

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089869.D
 Acq On : 24 Aug 2016 12:56
 Operator : UM/SJ
 Sample : H4551-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

Quant Time: Aug 25 12:15:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	412304	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	1665966	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	749050	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1470430	20.00	ng	0.00
75) Chrysene-d12	13.87	240	1167438	20.00	ng	0.00
86) Perylene-d12	15.39	264	1023726	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	3138816	130.55	ng	0.00
7) Phenol-d6	6.31	99	4420234	149.77	ng	-0.01
23) Nitrobenzene-d5	7.23	82	2616936	97.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	821803	115.44	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3761183	88.25	ng	-0.01
78) Terphenyl-d14	12.78	244	3566204	69.11	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.19	88	446384	37.52	ng	97
3) Pyridine	2.82	79	1322864	42.39	ng	92
4) n-Nitrosodimethylamine	2.79	42	509052	43.81	ng	# 77
6) Aniline	6.33	93	1051589	26.56	ng	# 43
8) 2-Chlorophenol	6.46	128	1189294	41.37	ng	# 77
9) Benzaldehyde	6.20	77	286030	14.88	ng	89
10) Phenol	6.33	94	1446562	41.82	ng	93
11) bis(2-Chloroethyl)ether	6.41	93	1136010	42.35	ng	99
12) 1,3-Dichlorobenzene	6.60	146	1238883	41.22	ng	99
13) 1,4-Dichlorobenzene	6.68	146	1260429	40.79	ng	98
14) 1,2-Dichlorobenzene	6.84	146	1221778	42.36	ng	99
15) Benzyl Alcohol	6.82	79	953884	48.74	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	6.96	45	1301285	37.91	ng	94
17) 2-Methylphenol	6.94	107	1022030	45.38	ng	96
18) Hexachloroethane	7.19	117	472705	42.90	ng	92
19) n-Nitroso-di-n-propylamine	7.10	70	764577	40.51	ng	89
20) 3+4-Methylphenols	7.10	107	1296560	46.96	ng	# 48
22) Acetophenone	7.08	105	1439466	37.63	ng	# 88
24) Nitrobenzene	7.26	77	1272943	42.31	ng	95
25) Isophorone	7.50	82	2154654	39.84	ng	97
26) 2-Nitrophenol	7.58	139	615329	40.99	ng	98
27) 2,4-Dimethylphenol	7.62	122	1185519	43.82	ng	98
28) bis(2-Chloroethoxy)methane	7.71	93	1406775	42.04	ng	98
29) 2,4-Dichlorophenol	7.82	162	1022520	45.04	ng	97
30) 1,2,4-Trichlorobenzene	7.90	180	1007899	40.14	ng	98
31) Naphthalene	7.98	128	3196982	41.06	ng	98
32) Benzoic acid	7.62	122	1185519	56.23	ng	# 13
33) 4-Chloroaniline	8.03	127	694639	20.58	ng	98
34) Hexachlorobutadiene	8.10	225	511050	38.87	ng	99
35) Caprolactam	8.39	113	281659	40.74	ng	91
36) 4-Chloro-3-methylphenol	8.52	107	1071685	43.59	ng	94
37) 2-Methylnaphthalene	8.67	142	2195651	43.59	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	689479	28.43	ng	98
40) Hexachlorocyclopentadiene	8.83	237	836622	99.35	ng	98

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089869.D
 Acq On : 24 Aug 2016 12:56
 Operator : UM/SJ
 Sample : H4551-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

Quant Time: Aug 25 12:15:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

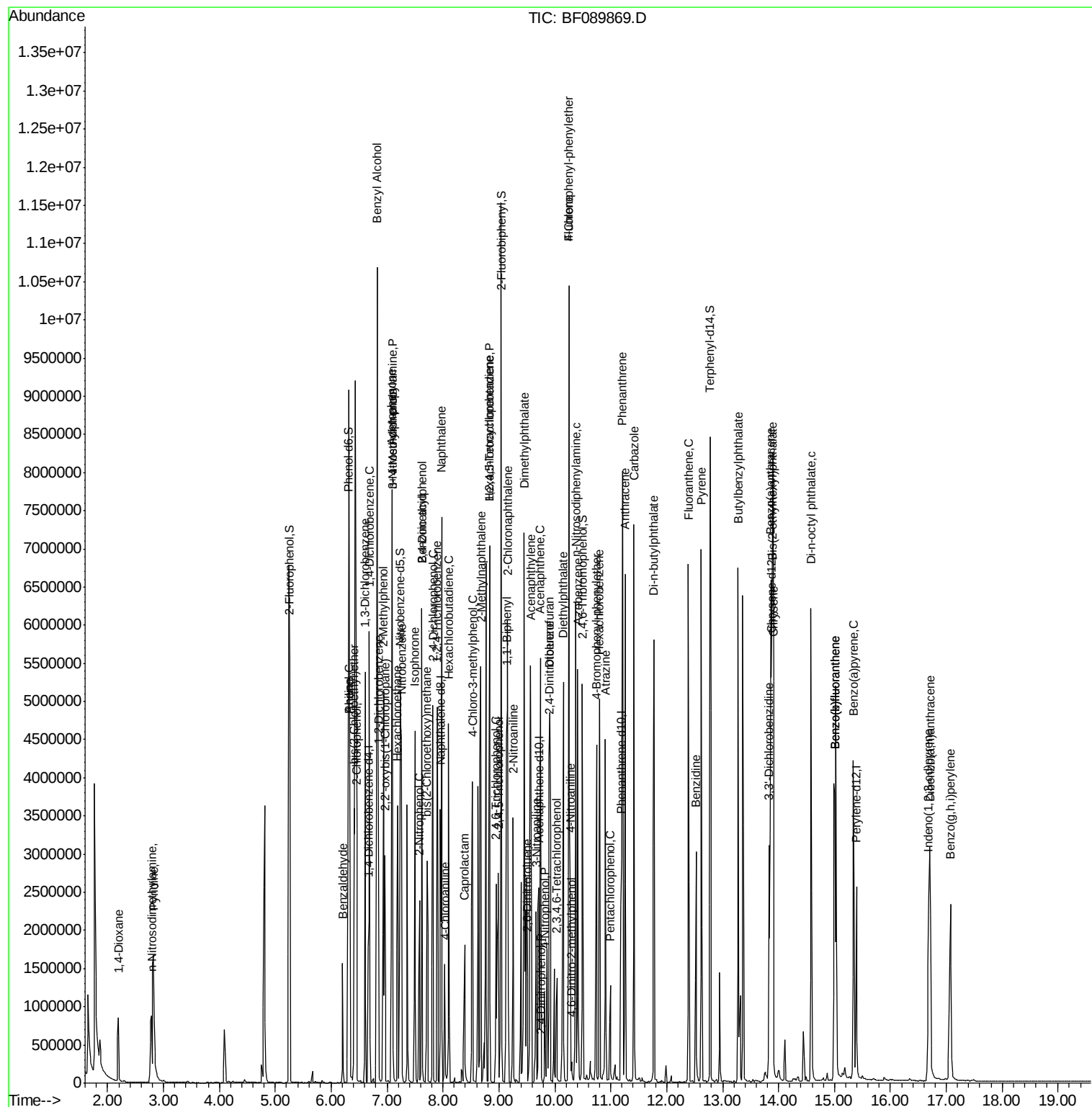
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.95	196	405849	26.60	ng	99
43) 2,4,5-Trichlorophenol	8.99	196	569762	37.54	ng #	93
45) 1,1'-Biphenyl	9.14	154	2245095	38.73	ng	92
46) 2-Chloronaphthalene	9.15	162	1867606	40.76	ng	98
47) 2-Nitroaniline	9.26	65	652551	49.93	ng #	75
48) Acenaphthylene	9.56	152	2983242	43.33	ng	100
49) Dimethylphthalate	9.45	163	3552208	67.35	ng #	99
50) 2,6-Dinitrotoluene	9.51	165	530187	43.54	ng #	58
51) Acenaphthene	9.74	154	1856260	40.73	ng	99
52) 3-Nitroaniline	9.67	138	570230	42.27	ng #	77
53) 2,4-Dinitrophenol	9.76	184	5207	3.35	ng #	62
54) Dibenzofuran	9.91	168	2759438	48.21	ng	97
55) 4-Nitrophenol	9.82	139	247384	22.47	ng #	87
56) 2,4-Dinitrotoluene	9.90	165	674582	42.70	ng #	76
57) Fluorene	10.25	166	1904604	41.76	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.03	232	235543	21.32	ng #	95
59) Diethylphthalate	10.15	149	2422834	45.22	ng	97
60) 4-Chlorophenyl-phenylether	10.25	204	858746	41.27	ng	97
61) 4-Nitroaniline	10.27	138	558067	44.12	ng	95
62) Azobenzene	10.41	77	2314876	45.96	ng	95
64) 4,6-Dinitro-2-methylphenol	10.30	198	34198	4.05	ng #	70
65) n-Nitrosodiphenylamine	10.38	169	2070936	44.79	ng	100
66) 4-Bromophenyl-phenylether	10.74	248	643129	41.72	ng #	86
67) Hexachlorobenzene	10.80	284	657996	37.41	ng #	85
68) Atrazine	10.90	200	569199	40.20	ng	97
69) Pentachlorophenol	10.99	266	190156	19.08	ng	97
70) Phenanthrene	11.21	178	3231427	43.51	ng	97
71) Anthracene	11.26	178	2997258	39.70	ng	99
72) Carbazole	11.42	167	2870715	42.40	ng	98
73) Di-n-butylphthalate	11.77	149	3751993	44.29	ng #	98
74) Fluoranthene	12.39	202	3082103	43.63	ng	93
76) Benzidine	12.53	184	1386296	36.69	ng	97
77) Pyrene	12.62	202	3010795	31.67	ng	97
79) Butylbenzylphthalate	13.28	149	1616521	37.65	ng	94
80) Benzo(a)anthracene	13.86	228	2798506	41.86	ng	99
81) 3,3'-Dichlorobenzidine	13.83	252	808610	36.89	ng	98
82) Chrysene	13.91	228	2449026	42.73	ng	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	2575355	43.54	ng #	99
84) Di-n-octyl phthalate	14.58	149	3831538	48.75	ng #	94
85) Indeno(1,2,3-cd)pyrene	16.69	276	2277243	31.14	ng	100
87) Benzo(b)fluoranthene	15.01	252	2808189	49.86	ng #	95
88) Benzo(k)fluoranthene	15.01	252	2808189	54.96	ng #	97
89) Benzo(a)pyrene	15.34	252	2282113	42.81	ng	98
90) Dibenzo(a,h)anthracene	16.71	278	1892870	32.72	ng	96
91) Benzo(g,h,i)perylene	17.07	276	1914315	31.42	ng	100

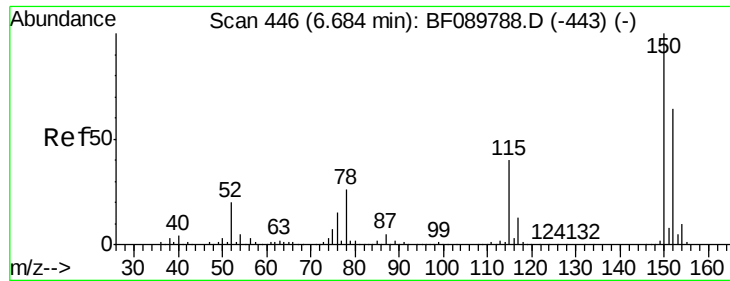
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
Data File : BF089869.D
Acq On : 24 Aug 2016 12:56
Operator : UM/SJ
Sample : H4551-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
AST-1MS

Quant Time: Aug 25 12:15:13 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration



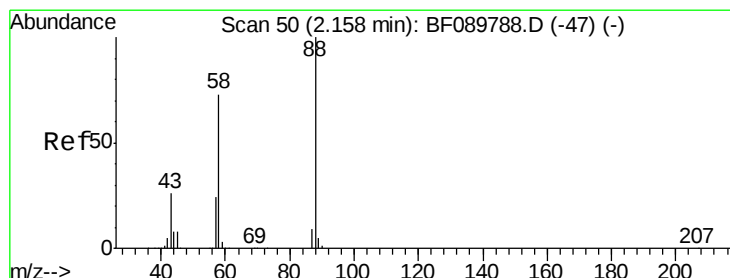
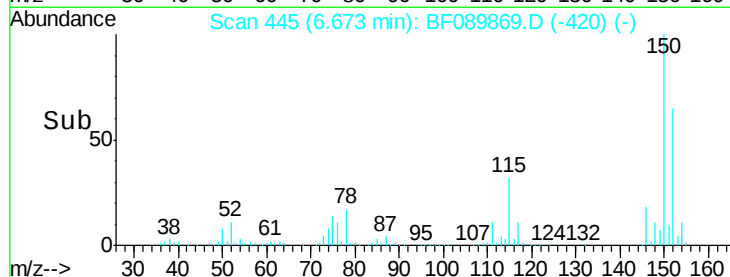
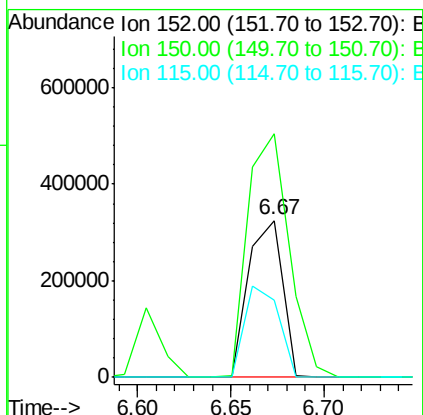
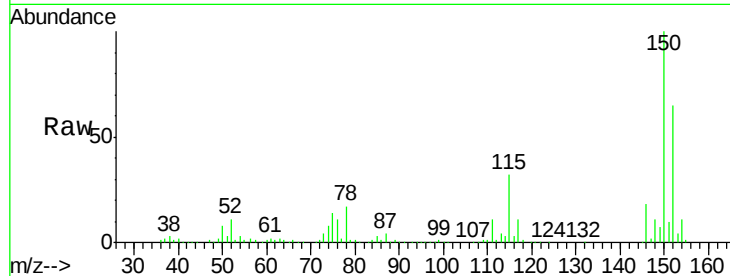


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Instrument :
BNA_F
ClientSampleId :
AST-1MS

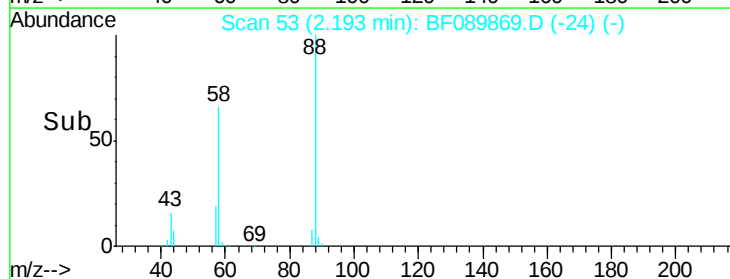
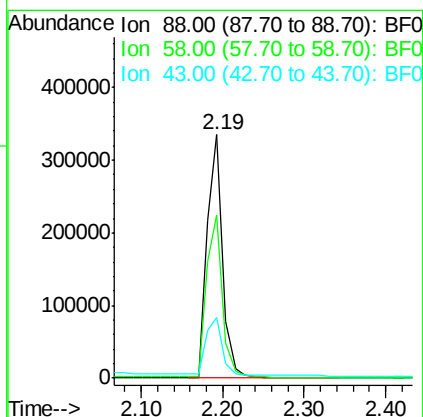
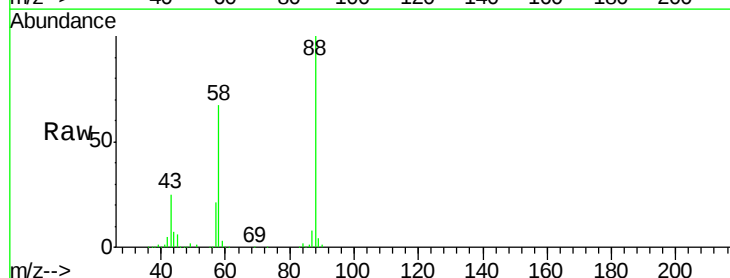
Tgt Ion:152 Resp: 412304
Ion Ratio Lower Upper
152 100
150 154.9 125.3 187.9
115 49.3 40.9 61.3

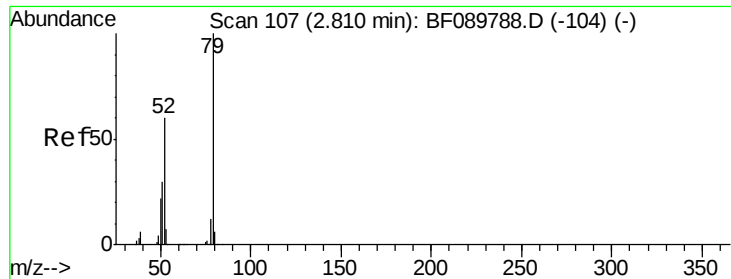


#2

1,4-Dioxane
Concen: 37.52 ng
RT: 2.19 min Scan# 53
Delta R.T. 0.03 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 88 Resp: 446384
Ion Ratio Lower Upper
88 100
58 68.7 57.0 85.4
43 25.9 21.8 32.8





#3

Pyridine

Concen: 42.39 ng

RT: 2.82 min Scan# 108

Delta R.T. 0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

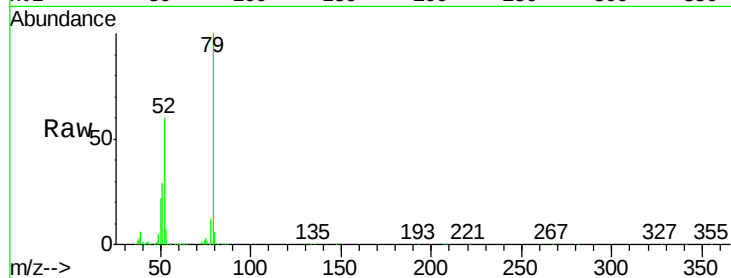
Tgt Ion: 79 Resp: 1322864

Ion Ratio Lower Upper

79 100

52 59.6 53.6 80.4

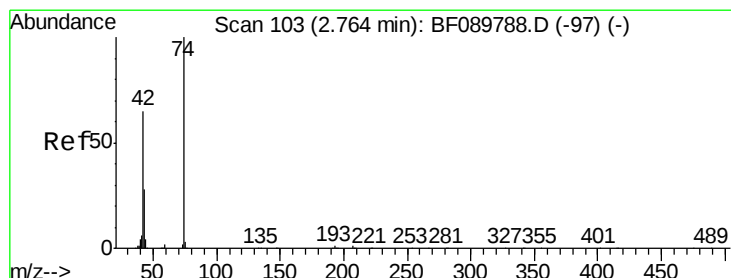
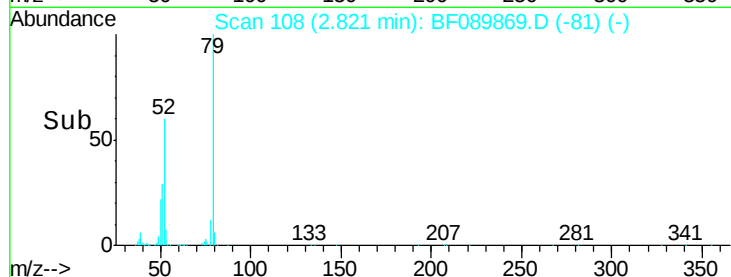
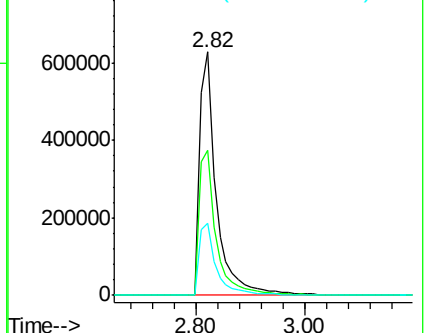
51 29.4 26.6 39.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 43.81 ng

RT: 2.79 min Scan# 105

Delta R.T. 0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

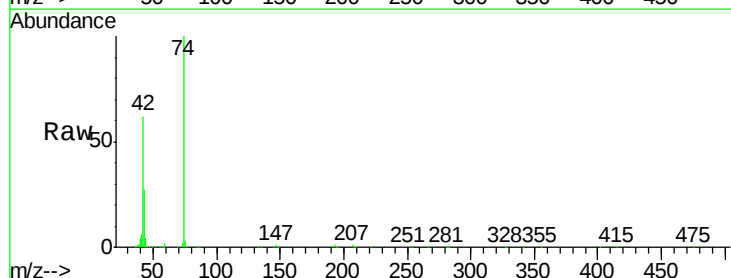
Tgt Ion: 42 Resp: 509052

Ion Ratio Lower Upper

42 100

74 161.7 106.2 159.2#

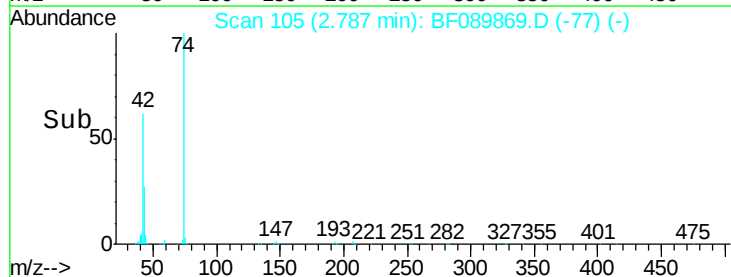
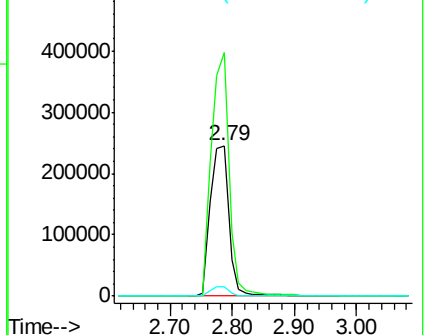
44 6.5 6.9 10.3#

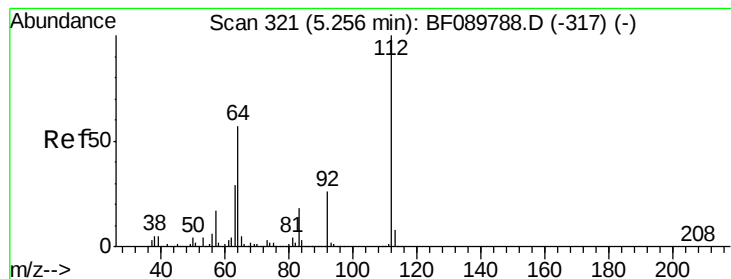


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 130.55 ng

RT: 5.26 min Scan# 321

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

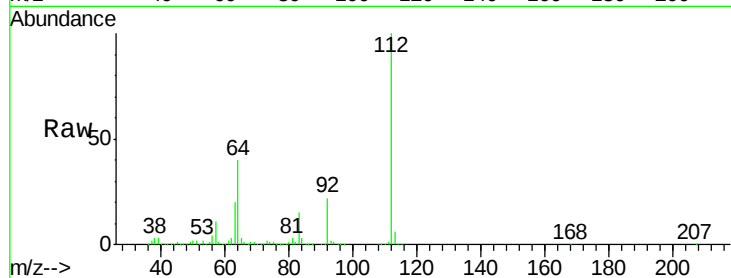
Tgt Ion:112 Resp: 3138816

Ion Ratio Lower Upper

112 100

64 40.4 45.0 67.4#

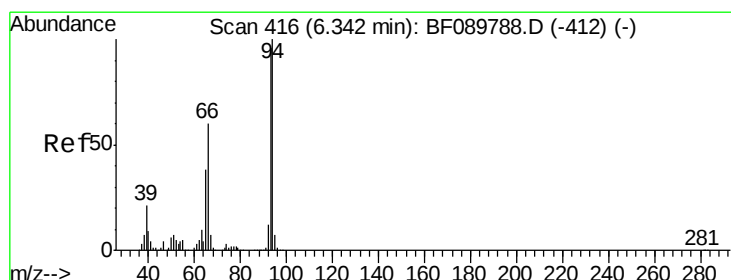
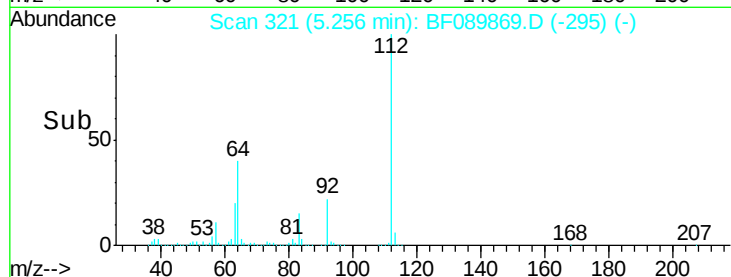
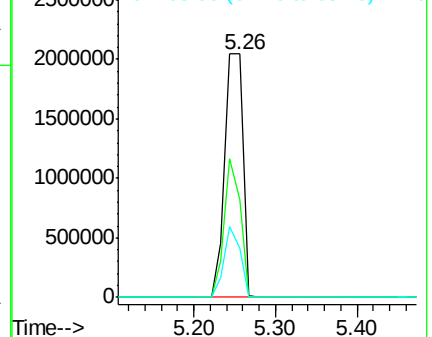
63 20.4 23.1 34.7#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 26.56 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

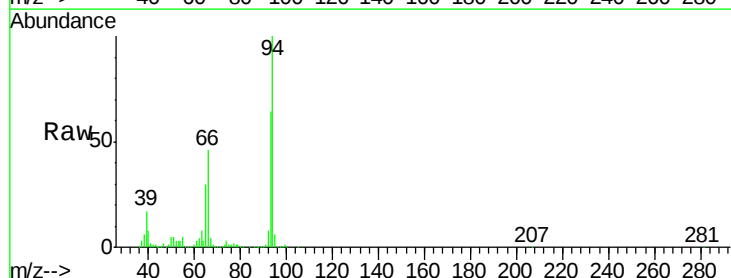
Tgt Ion: 93 Resp: 1051589

Ion Ratio Lower Upper

93 100

66 71.6 30.6 46.0#

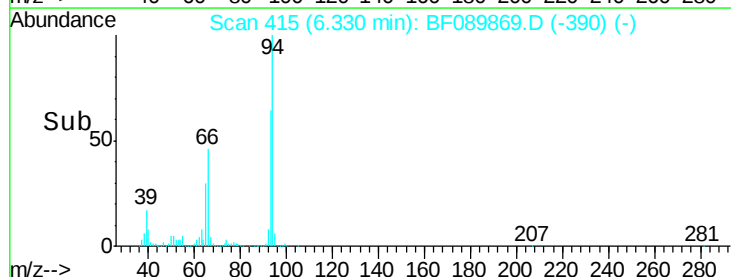
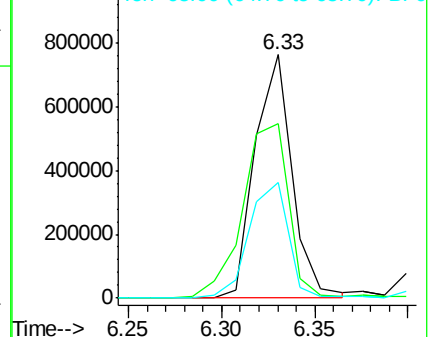
65 47.4 15.4 23.2#

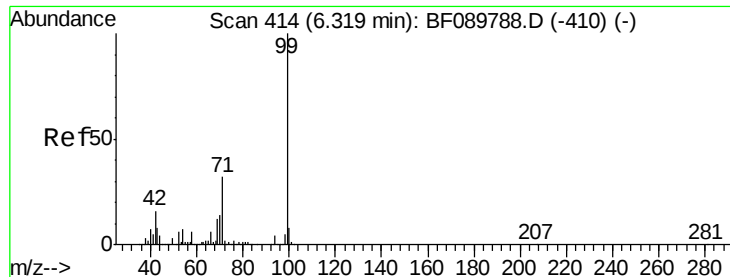


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 149.77 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

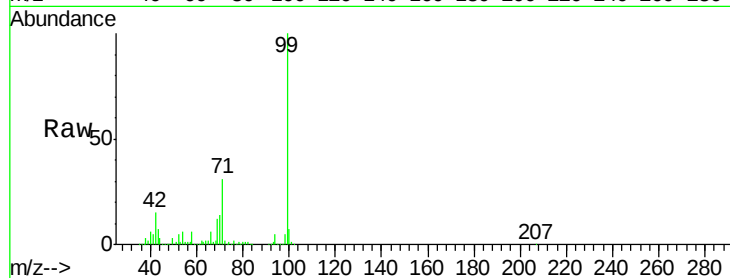
Tgt Ion: 99 Resp: 4420234

Ion Ratio Lower Upper

99 100

42 14.7 12.2 18.4

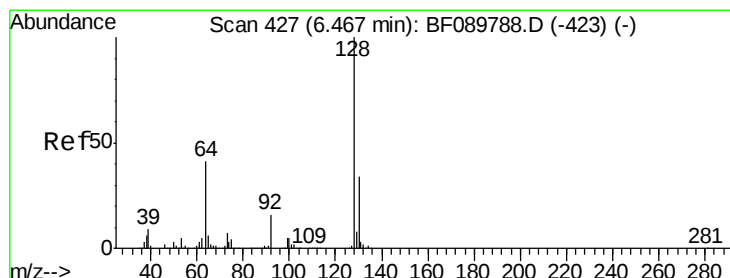
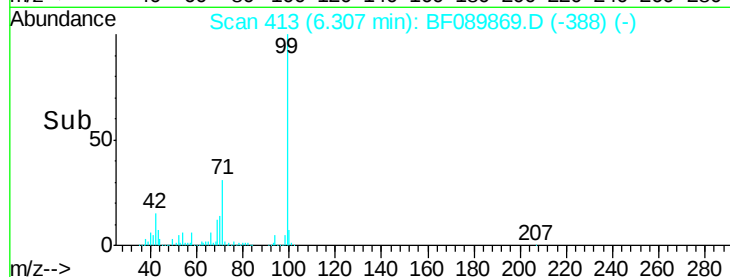
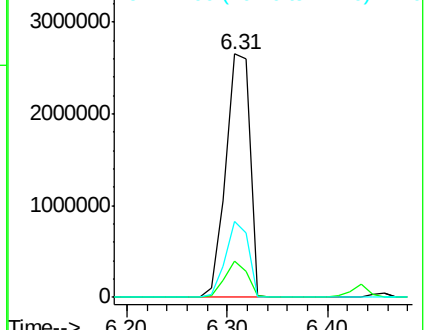
71 31.0 23.8 35.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.37 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

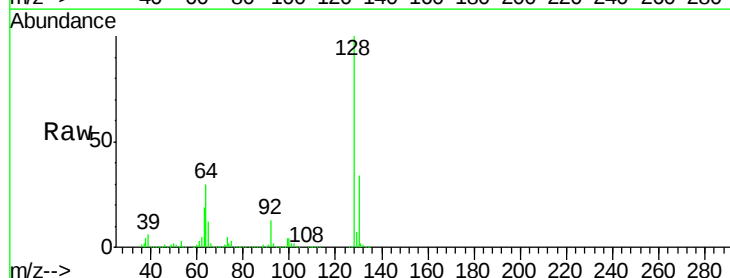
Tgt Ion: 128 Resp: 1189294

Ion Ratio Lower Upper

128 100

130 34.2 12.0 52.0

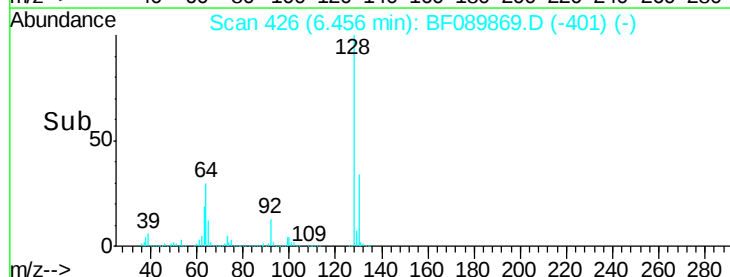
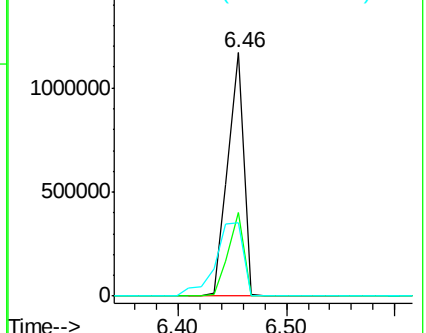
64 30.2 35.1 75.1#

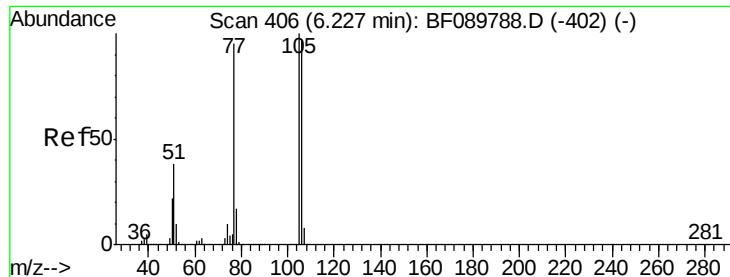


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 14.88 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

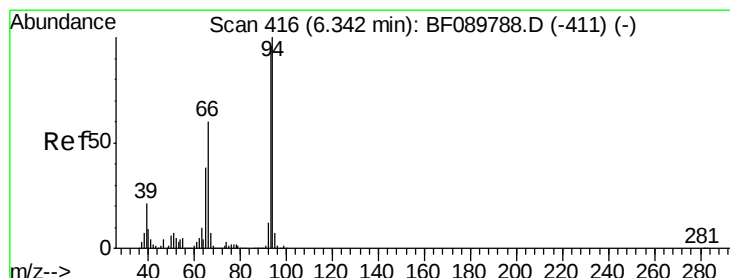
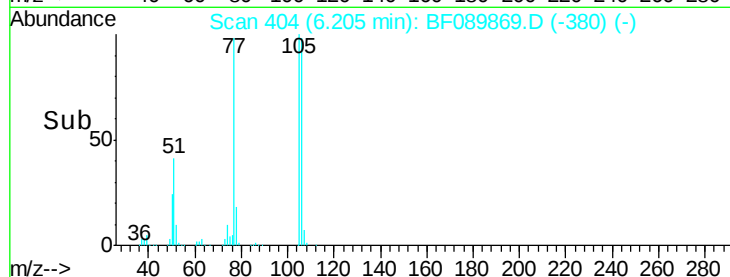
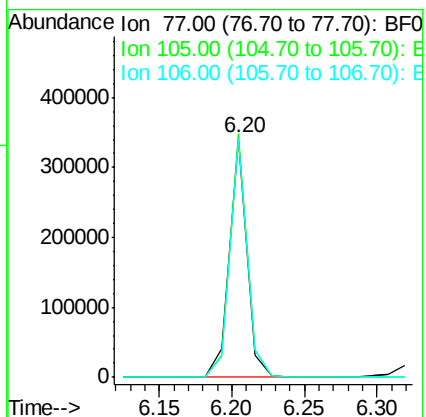
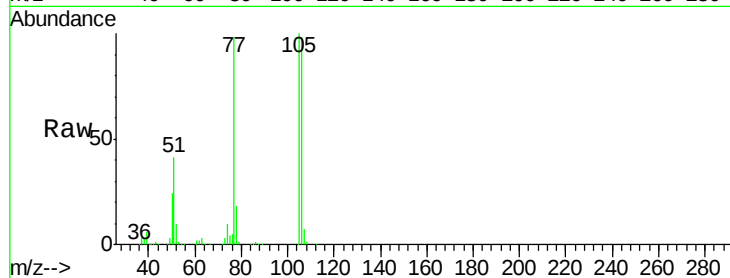
Tgt Ion: 77 Resp: 286030

Ion Ratio Lower Upper

77 100

105 102.0 73.3 113.3

106 100.0 68.6 108.6



#10

Phenol

Concen: 41.82 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

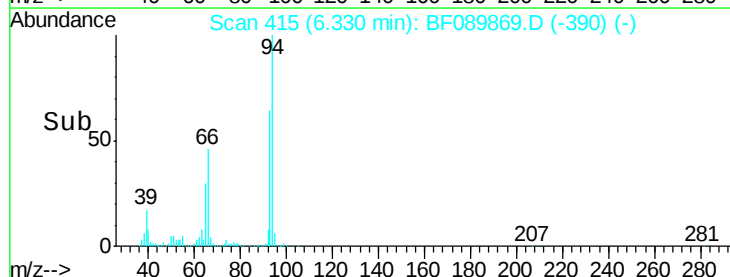
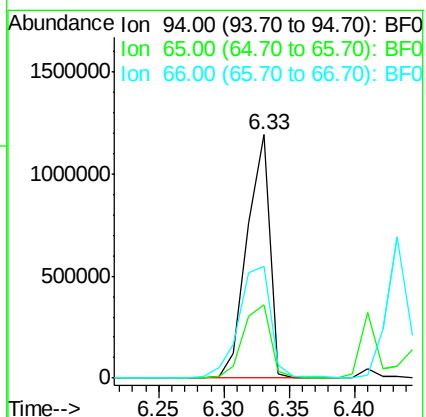
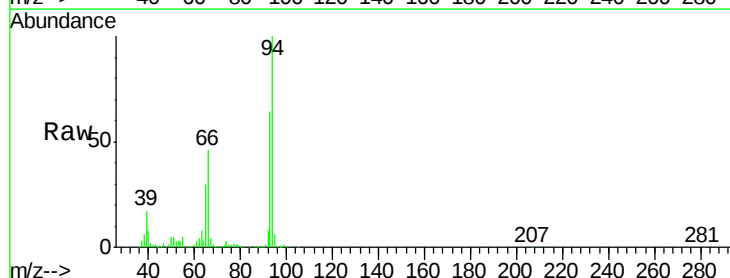
Tgt Ion: 94 Resp: 1446562

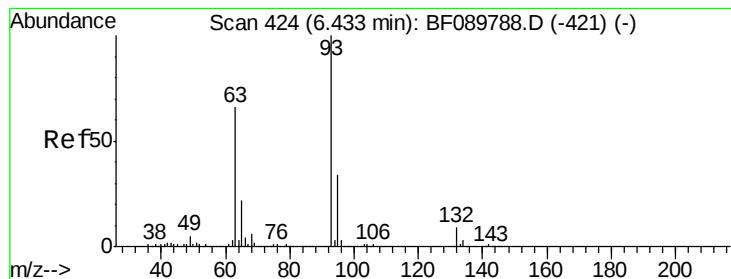
Ion Ratio Lower Upper

94 100

65 30.3 14.0 54.0

66 45.8 31.2 71.2





#11

bis(2-Chloroethyl)ether

Concen: 42.35 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

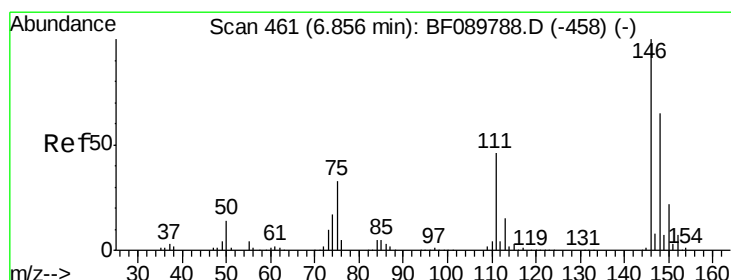
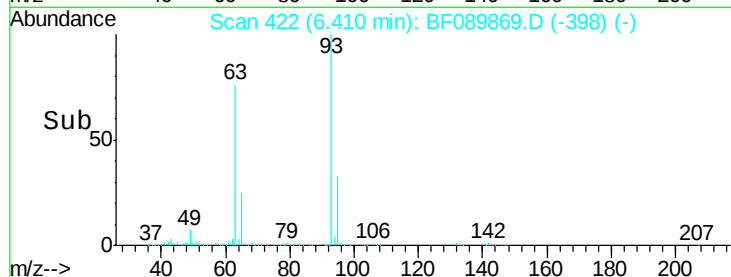
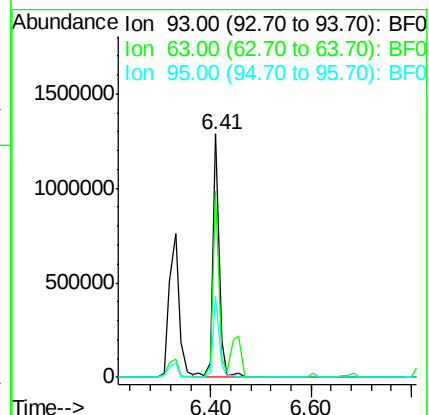
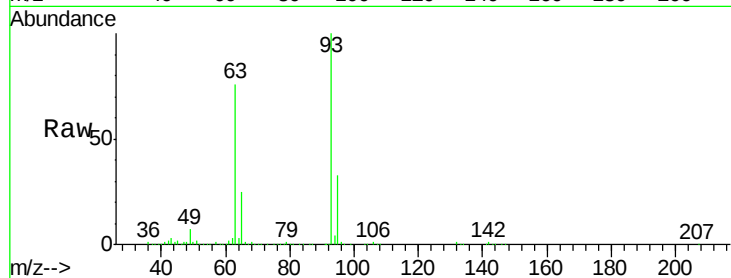
Tgt Ion: 93 Resp: 1136010

Ion Ratio Lower Upper

93 100

63 76.4 55.8 95.8

95 33.2 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 41.22 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

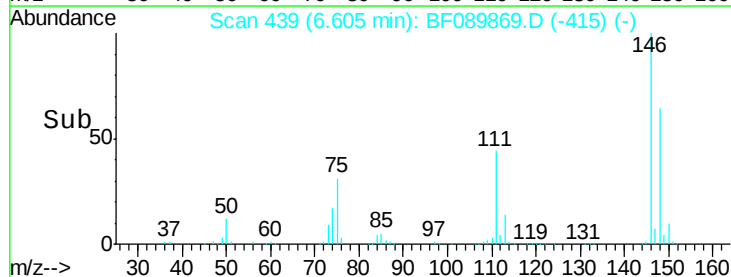
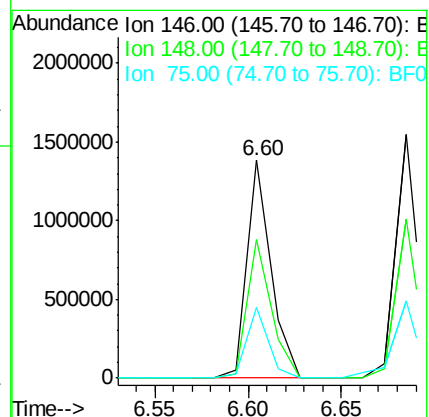
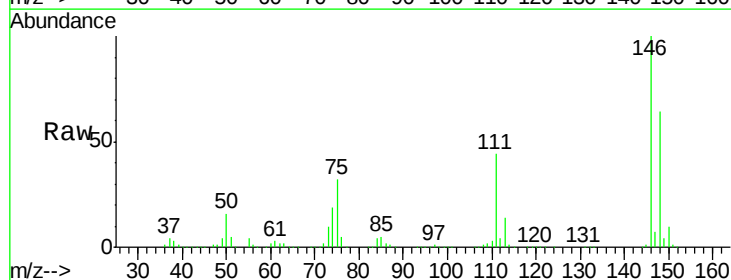
Tgt Ion: 146 Resp: 1238883

Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.4

75 32.3 27.0 40.6

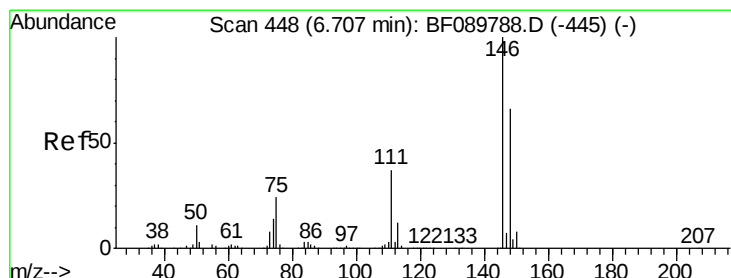
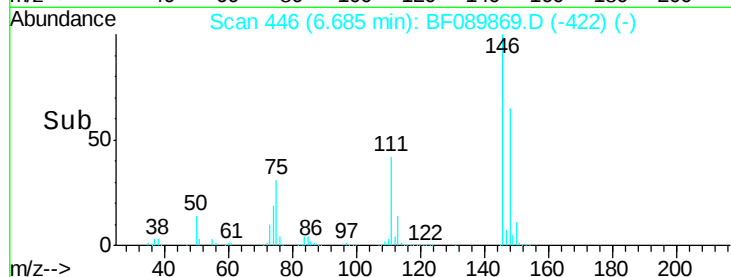
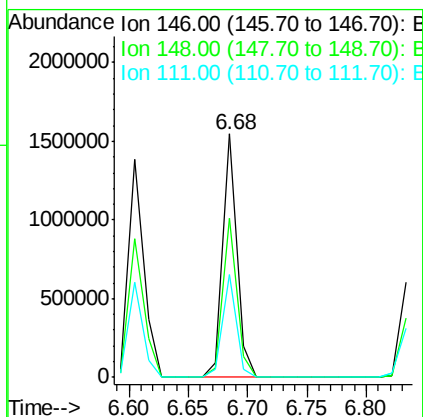
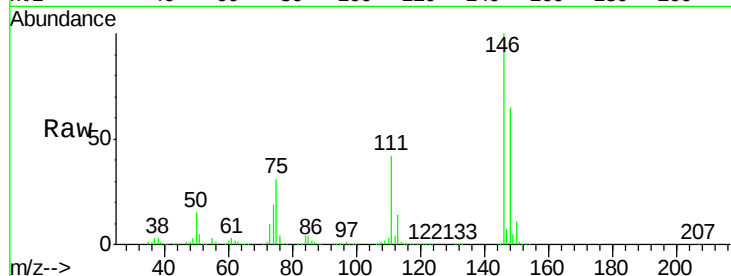




#13
 1,4-Dichlorobenzene
 Concen: 40.79 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

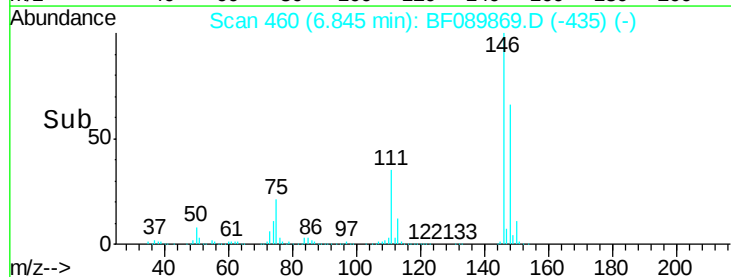
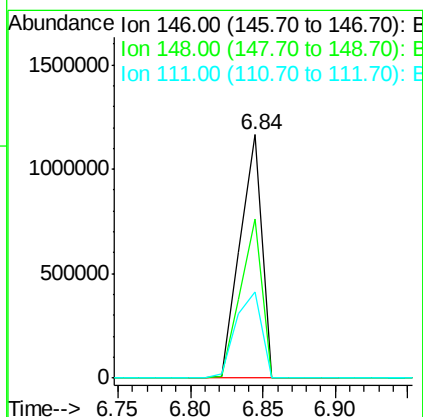
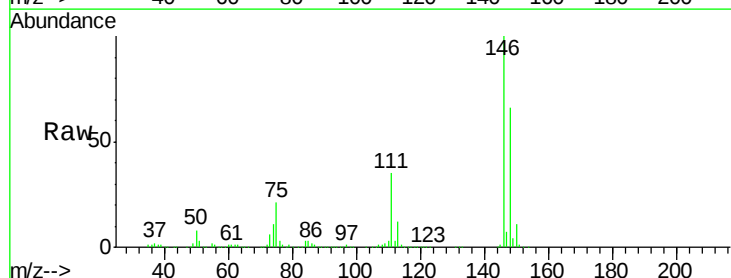
Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

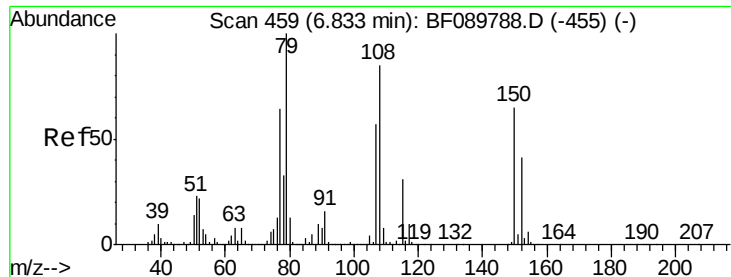
Tgt Ion:146 Resp: 1260429
 Ion Ratio Lower Upper
 146 100
 148 65.2 51.0 76.6
 111 42.1 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 42.36 ng
 RT: 6.84 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion:146 Resp: 1221778
 Ion Ratio Lower Upper
 146 100
 148 65.5 52.2 78.2
 111 35.4 29.8 44.6





#15

Benzyl Alcohol

Concen: 48.74 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

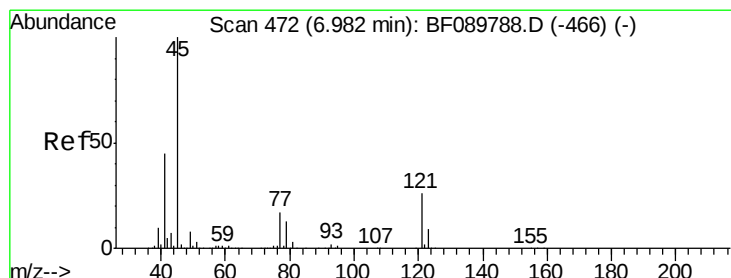
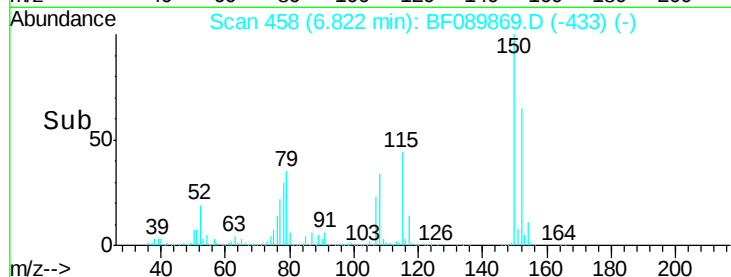
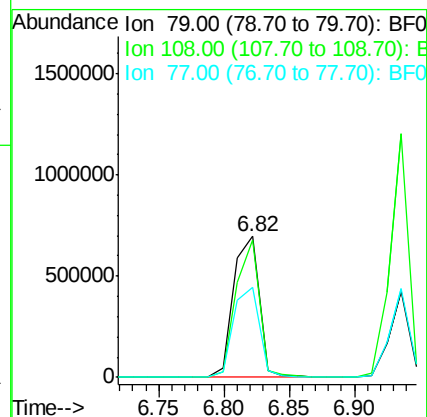
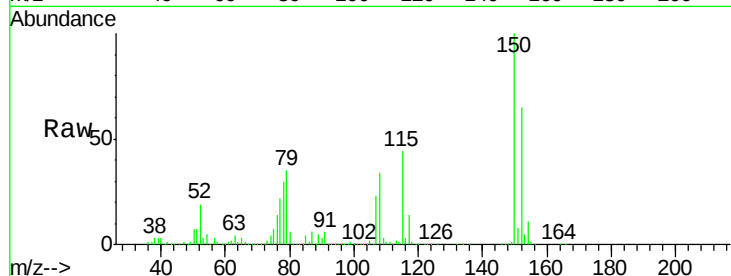
Tgt Ion: 79 Resp: 953884

Ion Ratio Lower Upper

79 100

108 97.5 62.5 93.7#

77 63.7 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.91 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

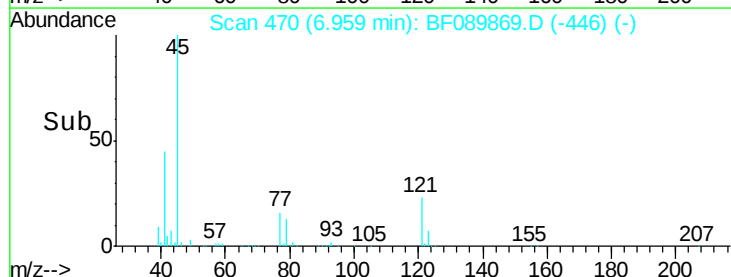
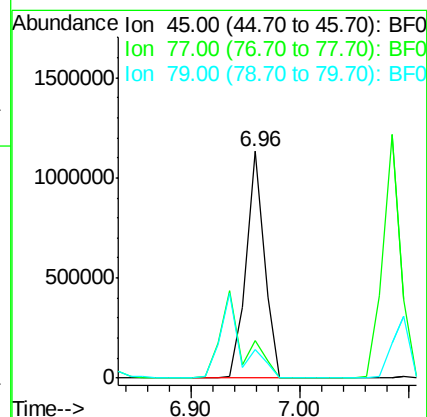
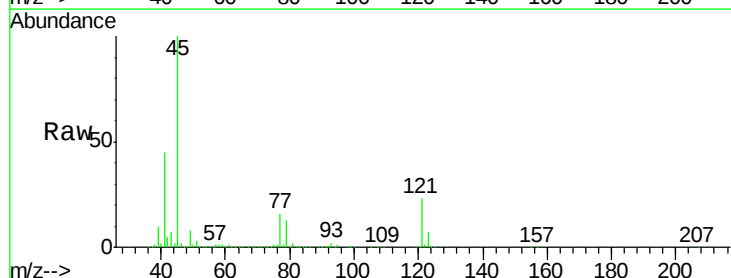
Tgt Ion: 45 Resp: 1301285

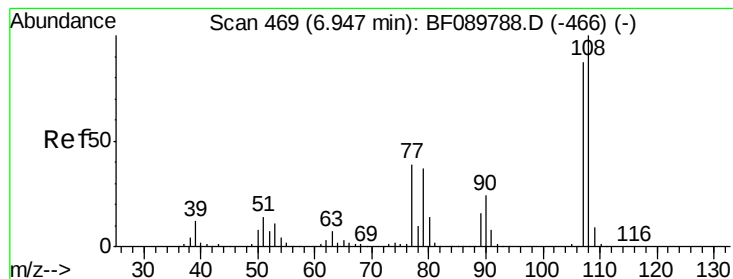
Ion Ratio Lower Upper

45 100

77 16.4 0.0 33.5

79 12.7 0.0 30.7





#17

2-Methylphenol

Concen: 45.38 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

Tgt Ion:107 Resp: 1022030

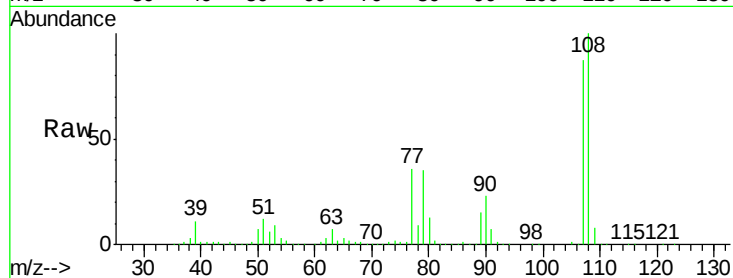
Ion Ratio Lower Upper

107 100

108 114.8 91.0 136.4

77 41.8 37.4 56.0

79 40.5 36.6 55.0

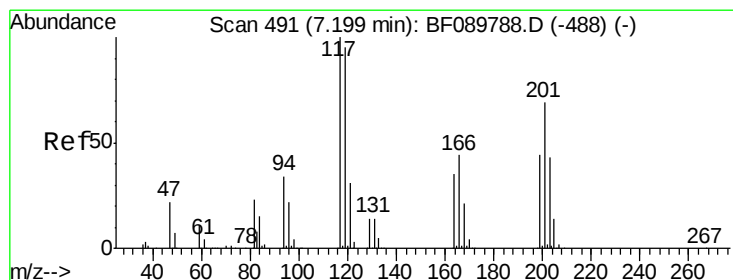
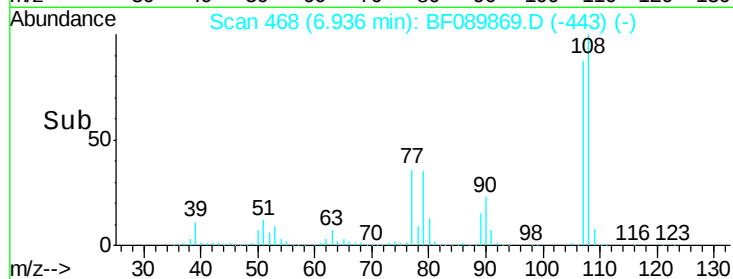
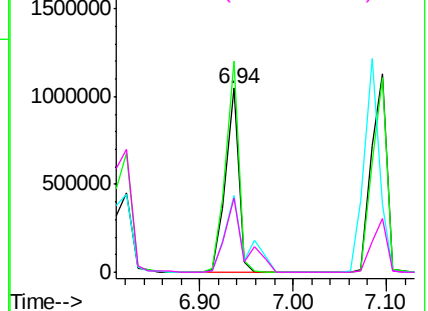


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 42.90 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

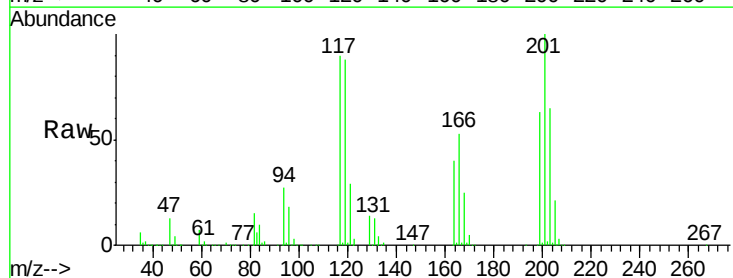
Tgt Ion:117 Resp: 472705

Ion Ratio Lower Upper

117 100

119 97.7 77.1 115.7

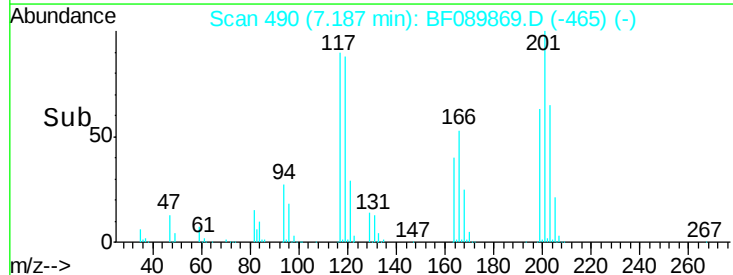
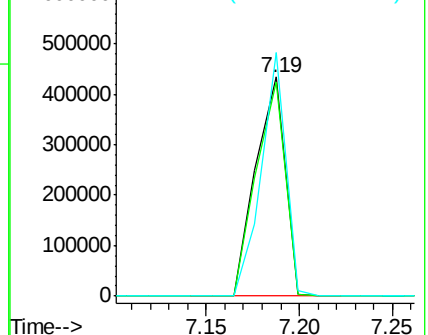
201 111.3 76.9 115.3

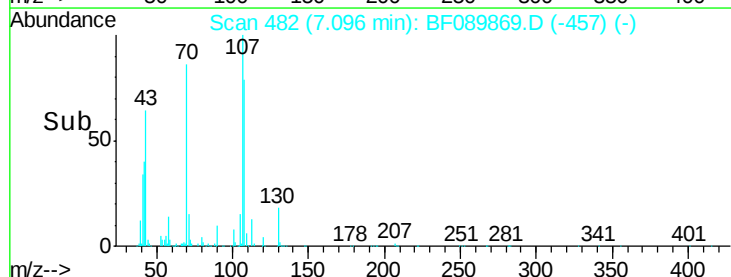
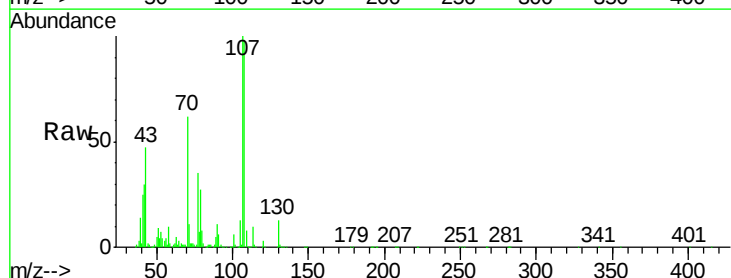
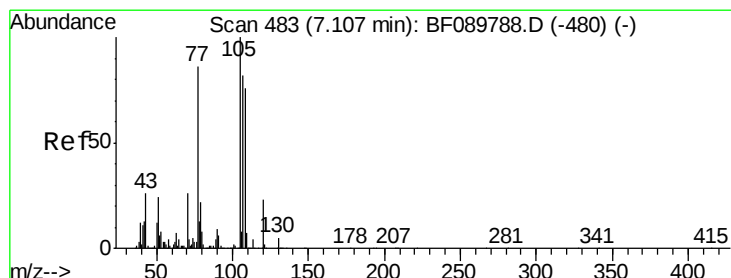
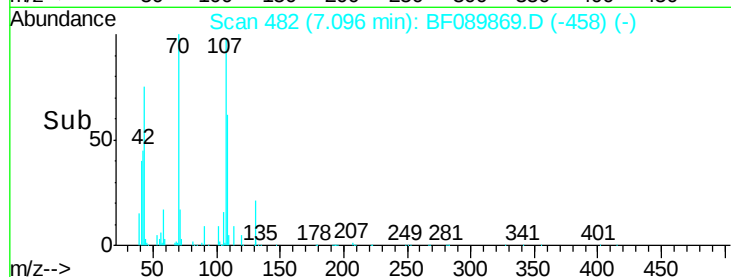
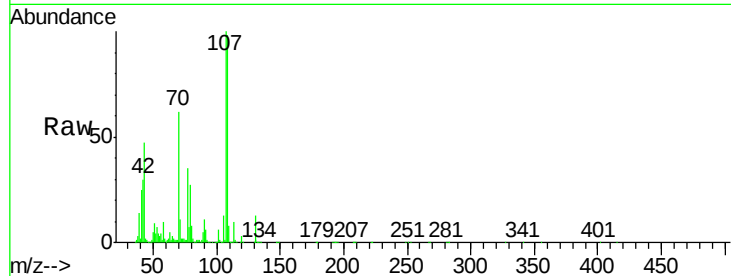
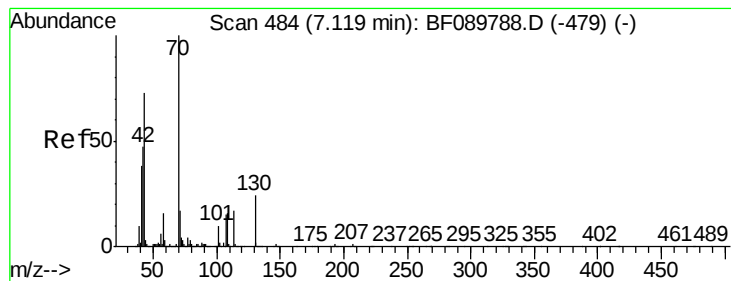


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 40.51 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

Tgt Ion: 70 Resp: 764577

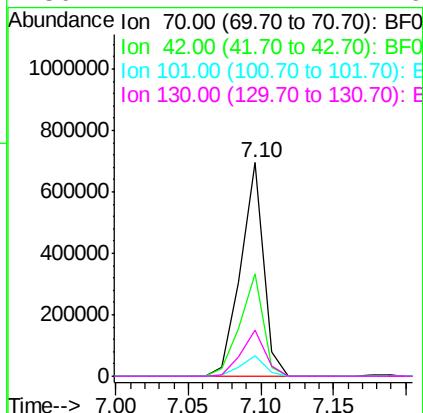
Ion Ratio Lower Upper

70 100

42 48.0 46.3 69.5

101 9.5 7.0 10.6

130 21.4 14.4 21.6



#20

3+4-Methylphenols

Concen: 46.96 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Tgt Ion:107 Resp: 1296560

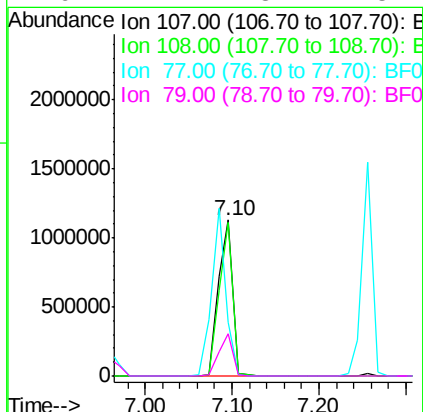
Ion Ratio Lower Upper

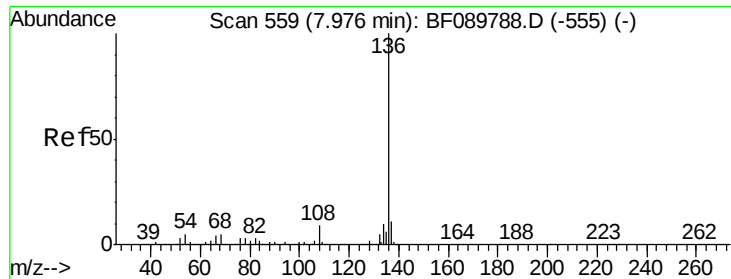
107 100

108 98.2 68.2 108.2

77 34.5 122.3 162.3#

79 27.4 8.2 48.2

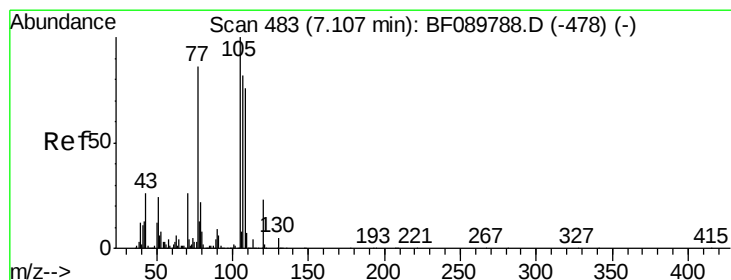
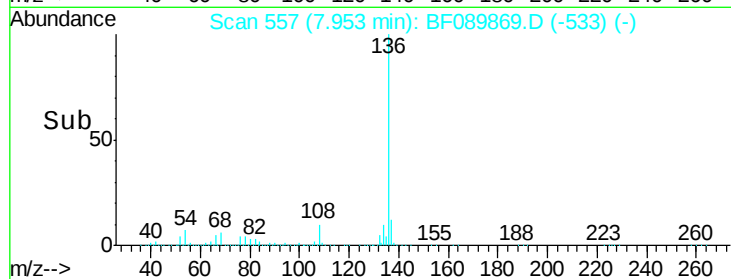
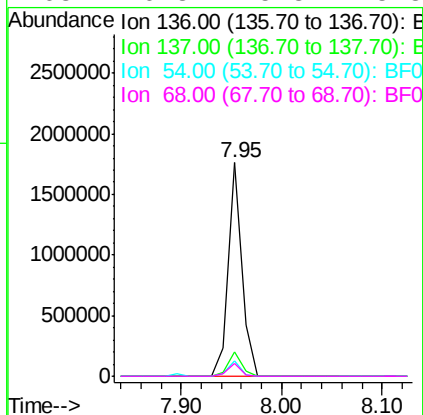
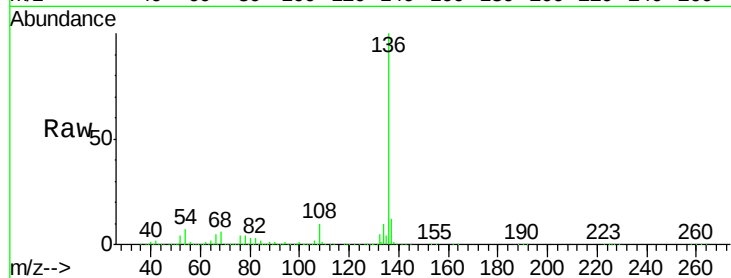




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

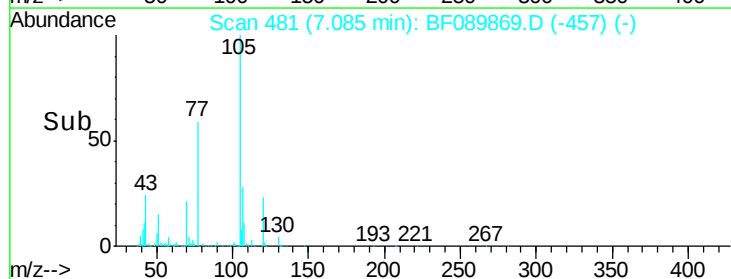
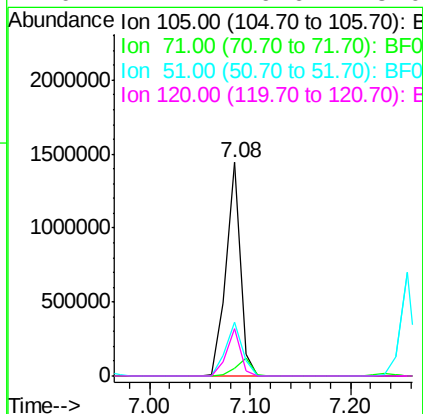
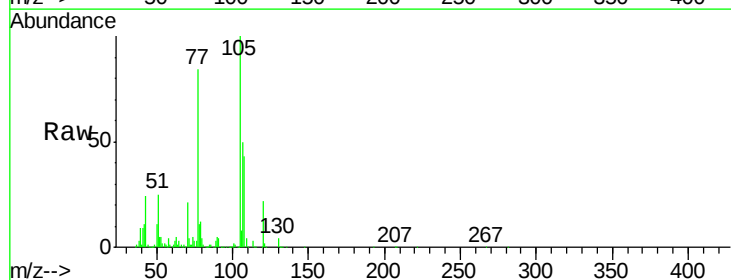
Instrument :
BNA_F
ClientSampleId :
AST-1MS

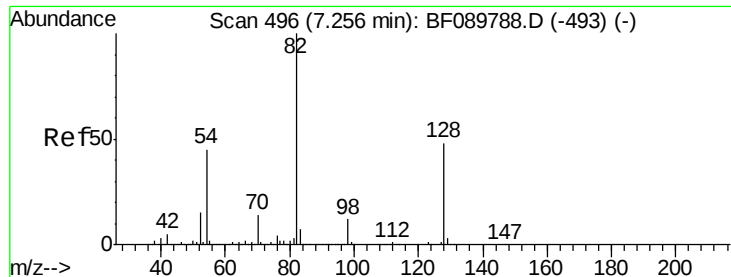
Tgt Ion:	136	Resp:	1665966
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.1	7.2	10.8#
68	6.3	5.8	8.8



#22
Acetophenone
Concen: 37.63 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:	105	Resp:	1439466
Ion	Ratio	Lower	Upper
105	100		
71	3.6	1.9	2.9#
51	25.3	28.5	42.7#
120	22.4	16.6	25.0

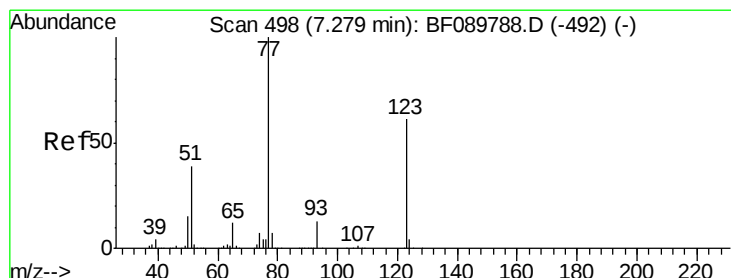
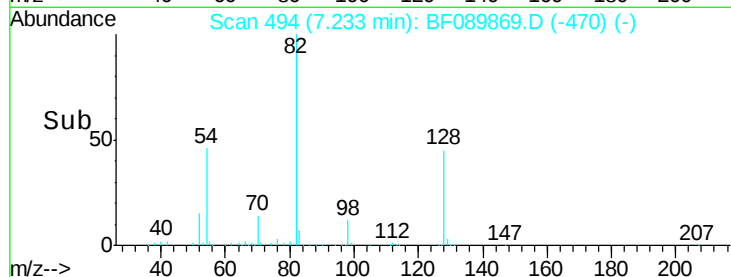
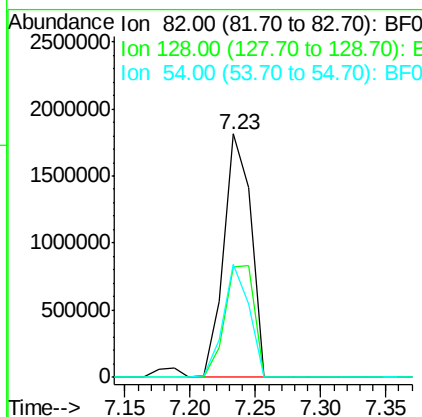
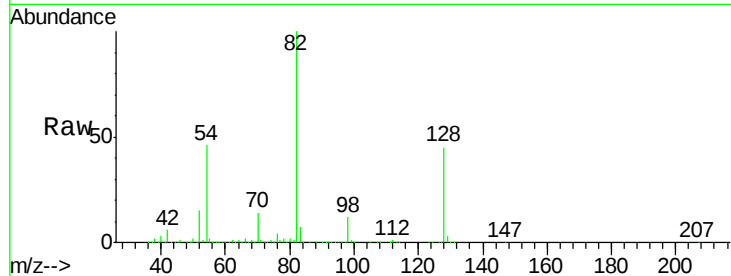




#23
 Nitrobenzene-d5
 Concen: 97.59 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

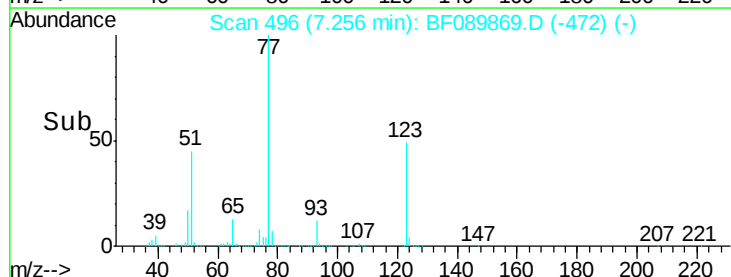
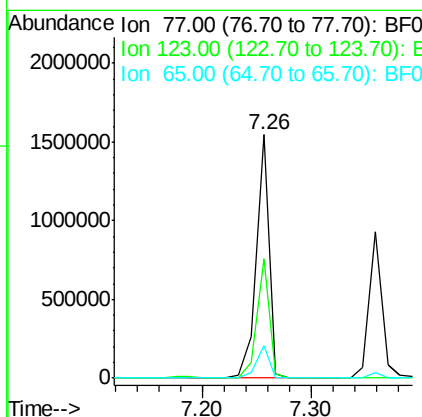
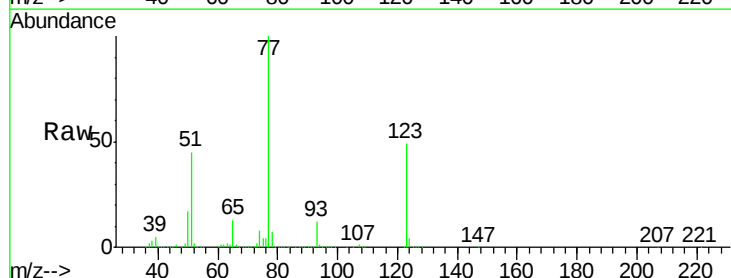
Instrument :
 BNA_F
 ClientSampled :
 AST-1MS

Tgt Ion: 82 Resp: 2616936
 Ion Ratio Lower Upper
 82 100
 128 45.3 34.4 51.6
 54 46.3 40.3 60.5



#24
 Nitrobenzene
 Concen: 42.31 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion: 77 Resp: 1272943
 Ion Ratio Lower Upper
 77 100
 123 49.0 36.2 54.2
 65 13.5 10.6 15.8





#25

Isophorone

Concen: 39.84 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

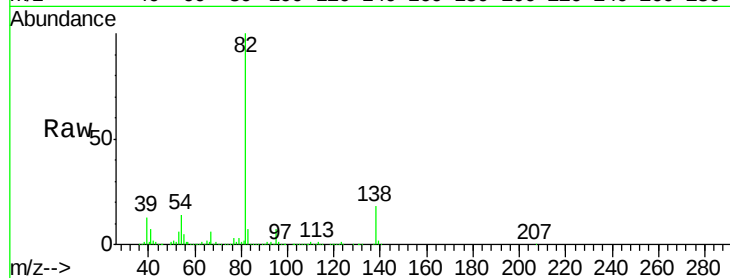
Tgt Ion: 82 Resp: 2154654

Ion Ratio Lower Upper

82 100

95 6.8 5.3 7.9

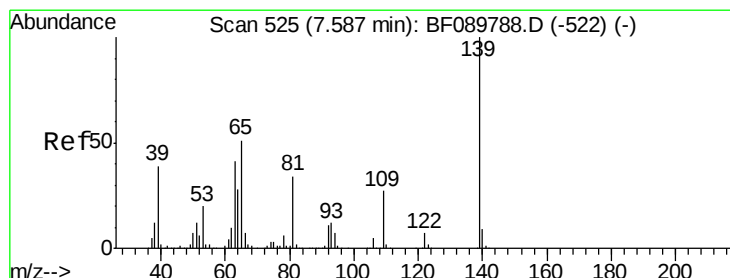
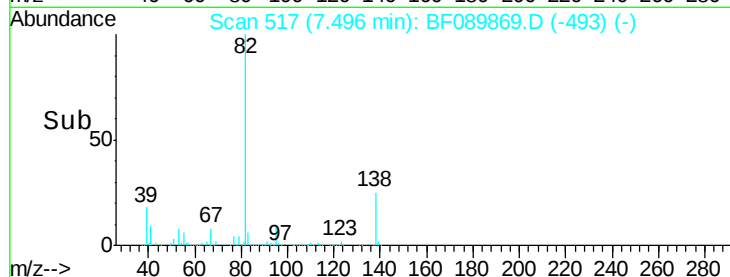
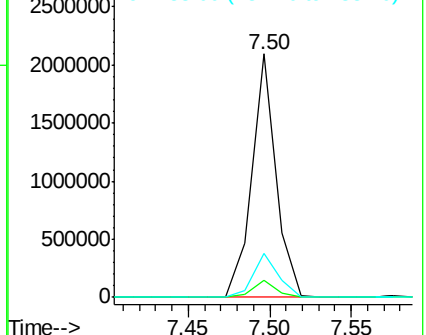
138 17.9 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 40.99 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

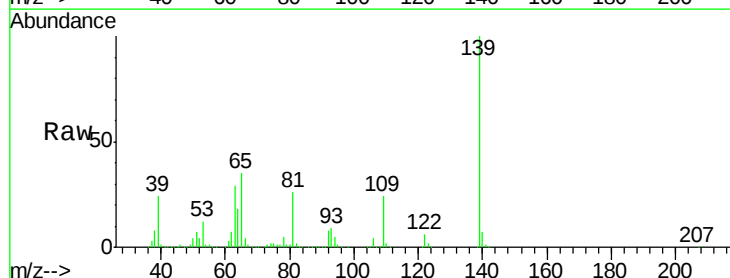
Tgt Ion: 139 Resp: 615329

Ion Ratio Lower Upper

139 100

109 24.0 19.5 29.3

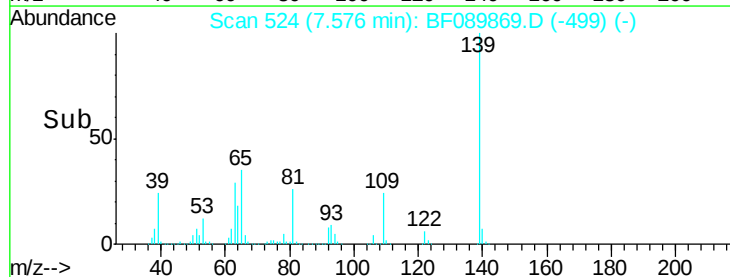
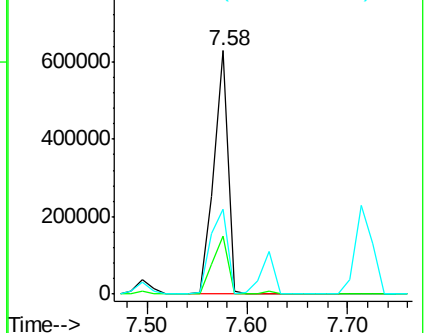
65 34.9 26.5 39.7

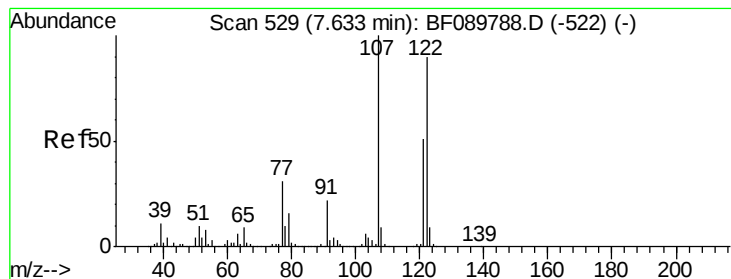


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 43.82 ng

RT: 7.62 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

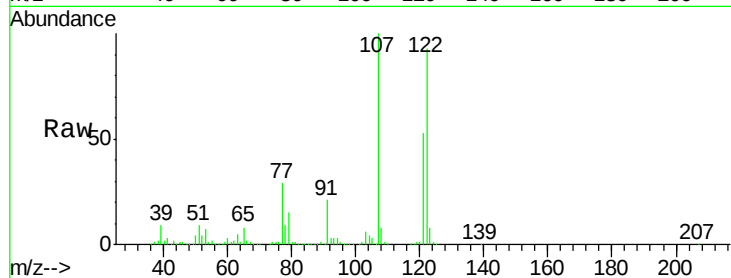
Tgt Ion:122 Resp: 1185519

Ion Ratio Lower Upper

122 100

107 107.7 84.8 127.2

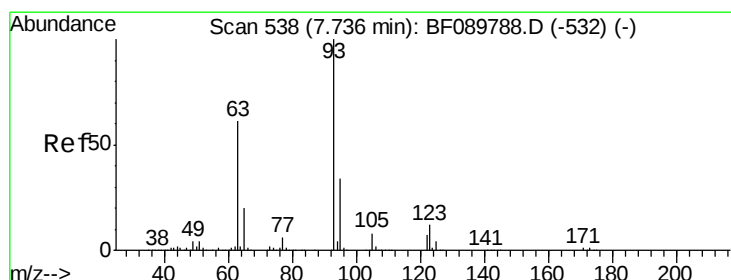
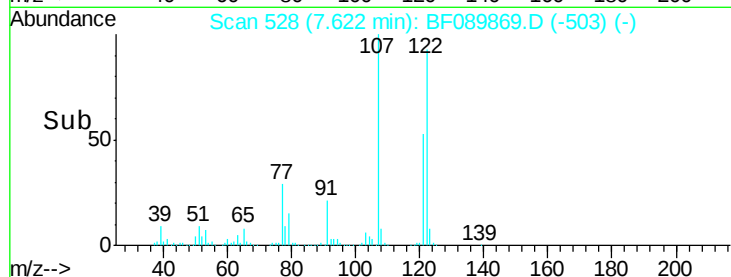
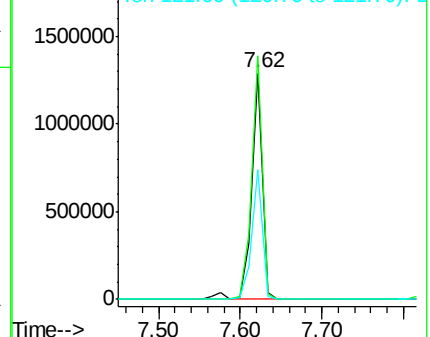
121 57.3 47.0 70.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 42.04 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

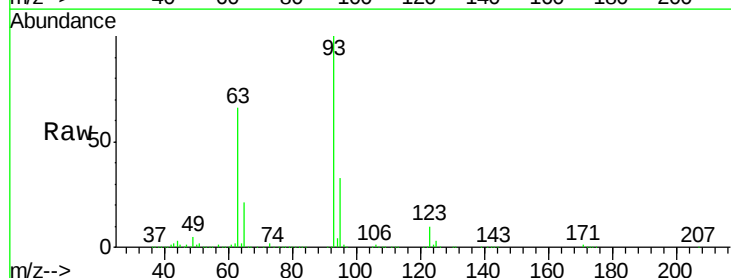
Tgt Ion: 93 Resp: 1406775

Ion Ratio Lower Upper

93 100

95 33.1 25.5 38.3

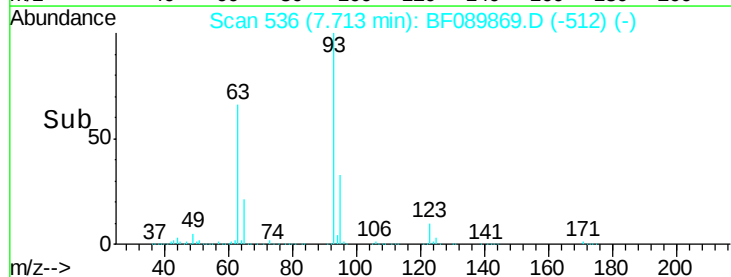
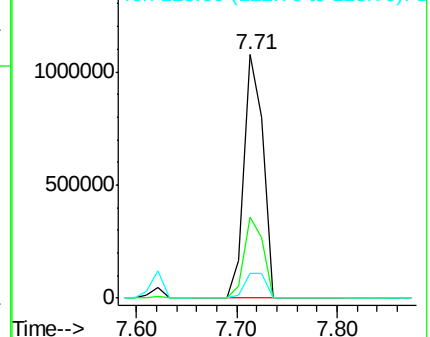
123 10.3 8.5 12.7

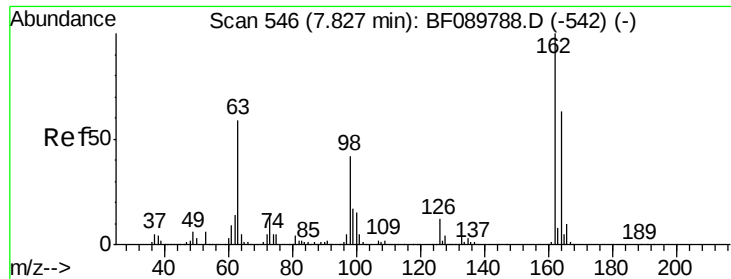


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

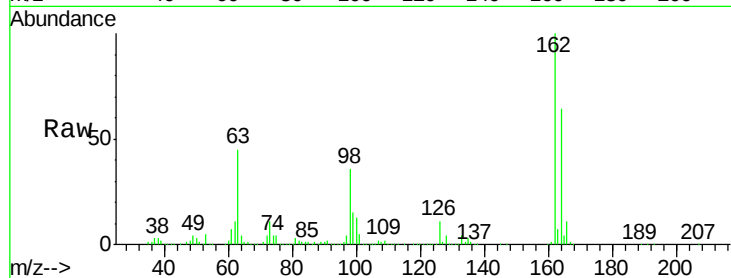




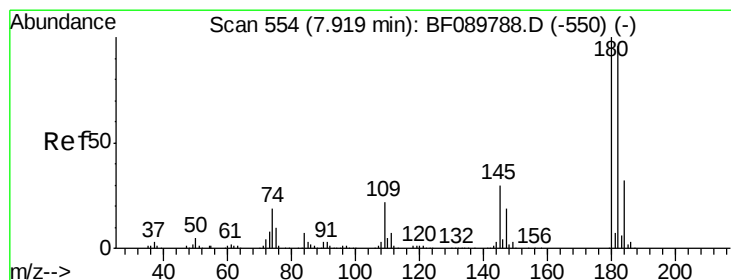
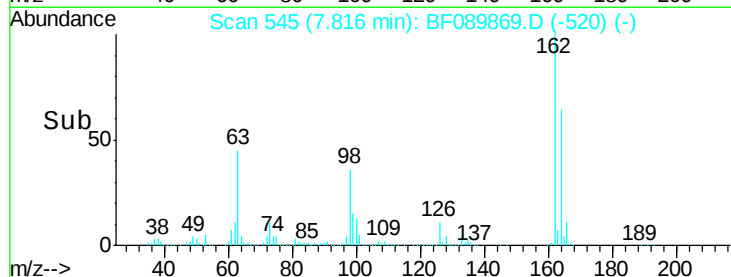
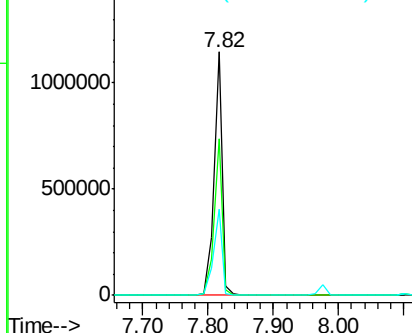
#29
 2,4-Dichlorophenol
 Concen: 45.04 ng
 RT: 7.82 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

Tgt Ion:162 Resp: 1022520
 Ion Ratio Lower Upper
 162 100
 164 64.5 45.5 85.5
 98 35.5 12.4 52.4

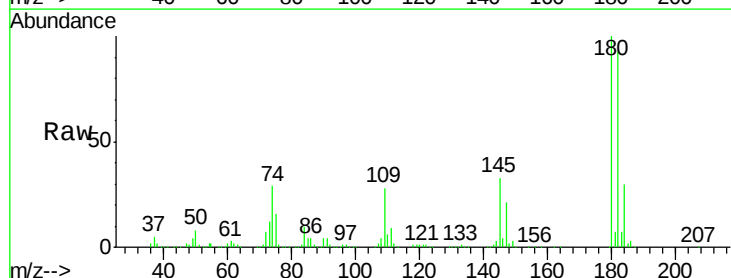


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

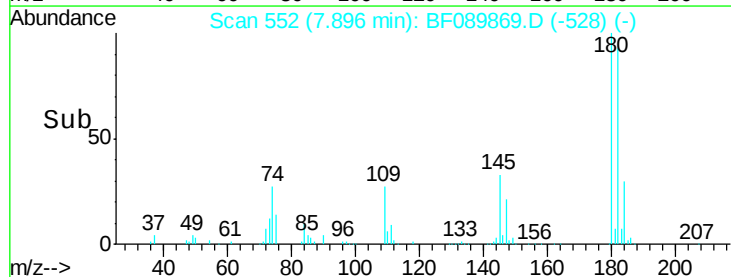
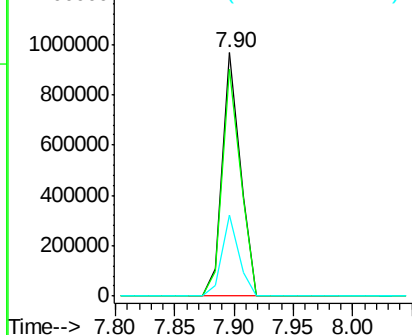


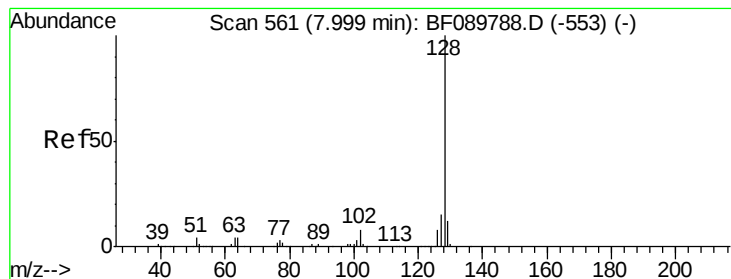
#30
 1,2,4-Trichlorobenzene
 Concen: 40.14 ng
 RT: 7.90 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion:180 Resp: 1007899
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.5 113.3
 145 33.4 28.7 43.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.06 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

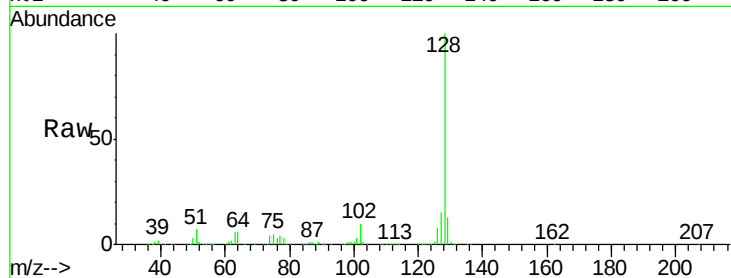
Tgt Ion:128 Resp: 3196982

Ion Ratio Lower Upper

128 100

129 12.7 9.5 14.3

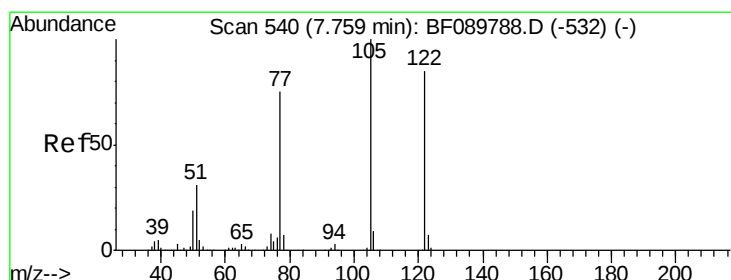
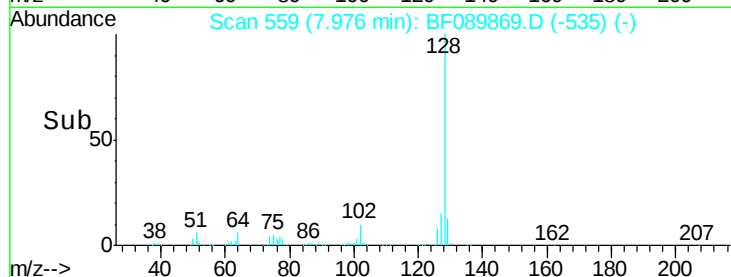
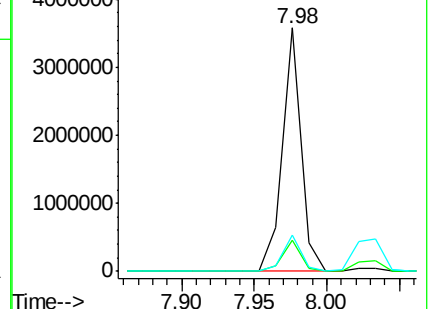
127 14.9 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 56.23 ng

RT: 7.62 min Scan# 528

Delta R.T. -0.14 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

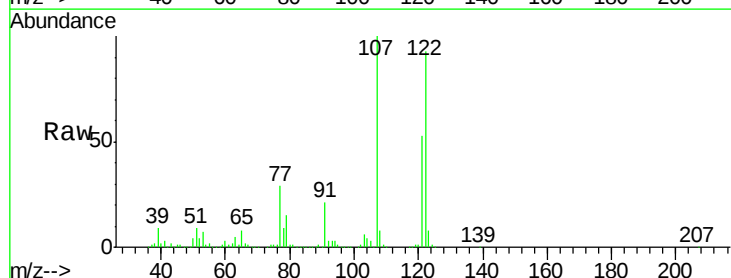
Tgt Ion:122 Resp: 1185519

Ion Ratio Lower Upper

122 100

105 3.6 100.8 140.8#

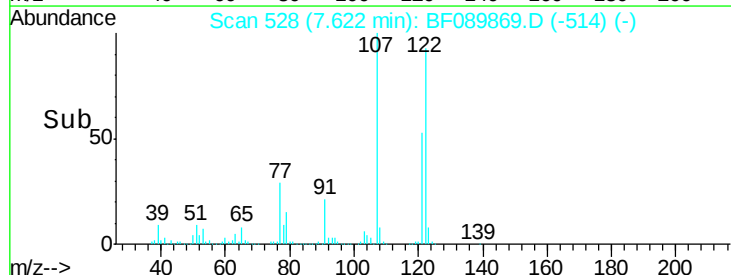
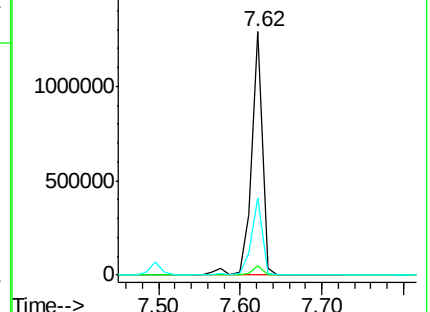
77 31.8 72.1 112.1#

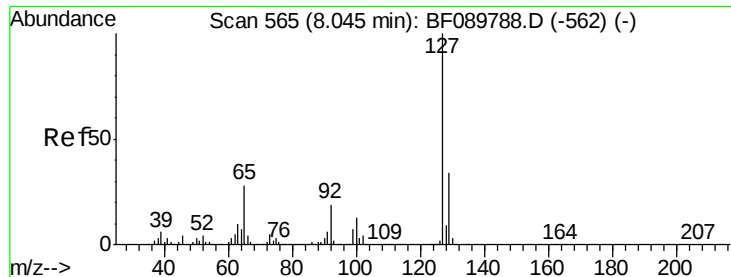


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

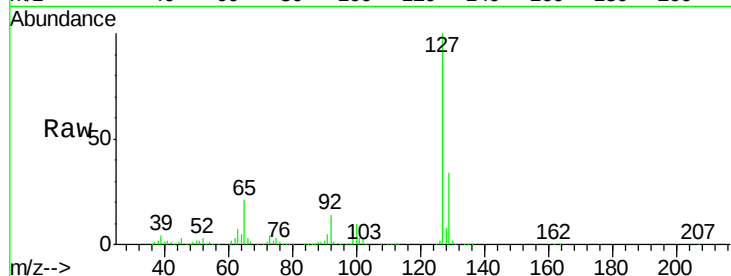




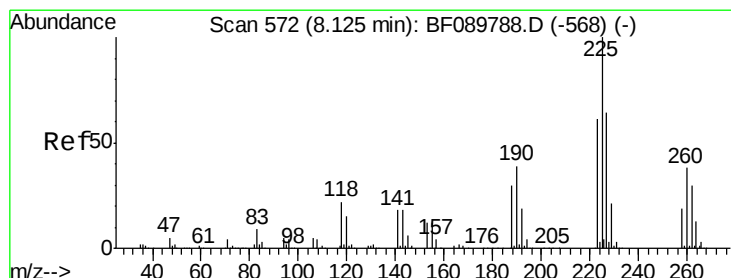
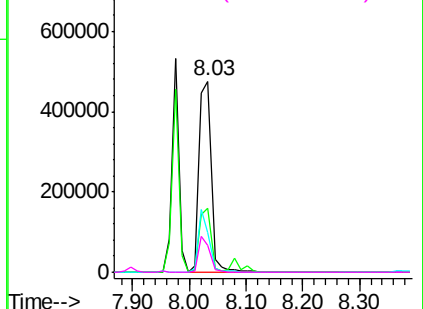
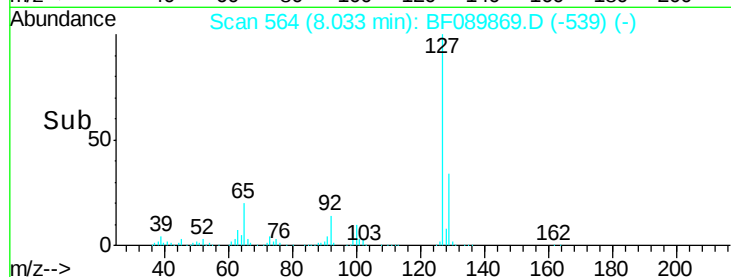
#33
4-Chloroaniline
Concen: 20.58 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Instrument :
BNA_F
ClientSampleId :
AST-1MS

Tgt Ion:	127	Resp:	694639
Ion	Ratio	Lower	Upper
127	100		
129	33.6	27.0	40.6
65	20.6	14.7	22.1
92	14.4	11.7	17.5

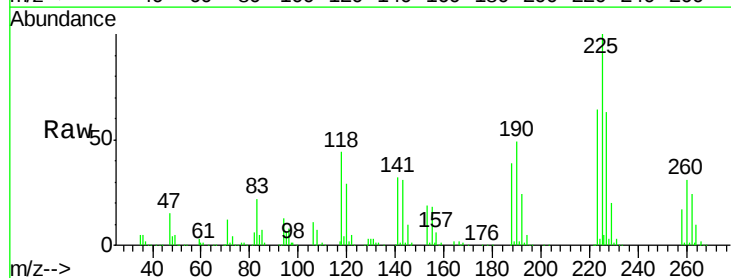


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

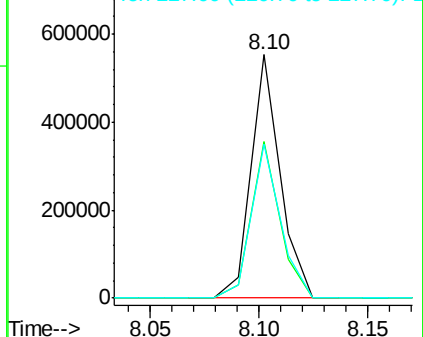
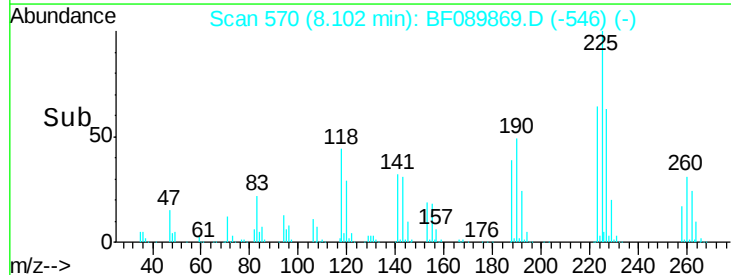


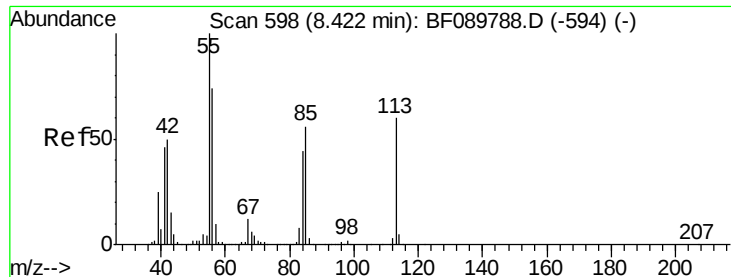
#34
Hexachlorobutadiene
Concen: 38.87 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:	225	Resp:	511050
Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.0	76.6
227	63.1	49.8	74.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

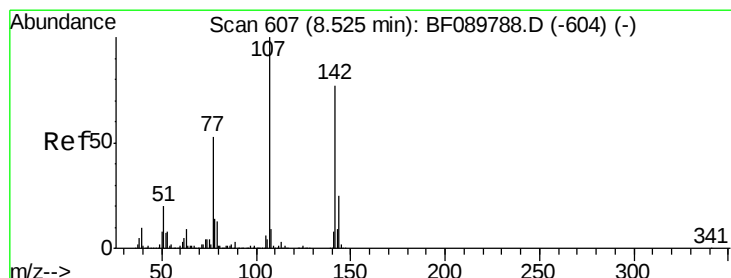
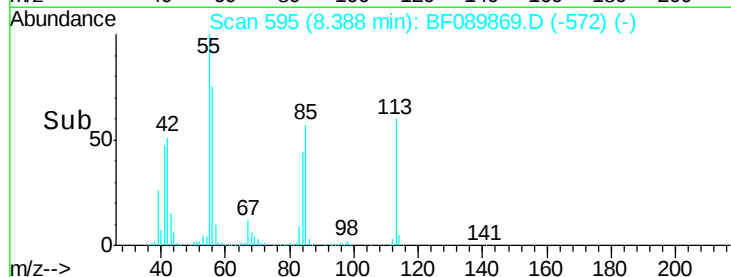
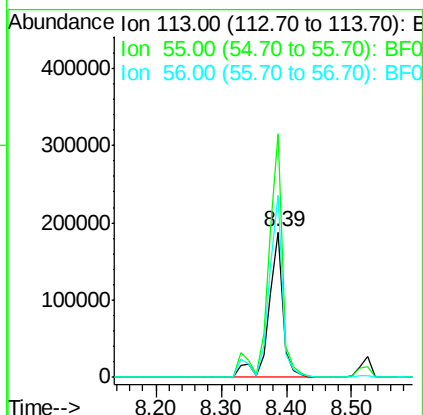
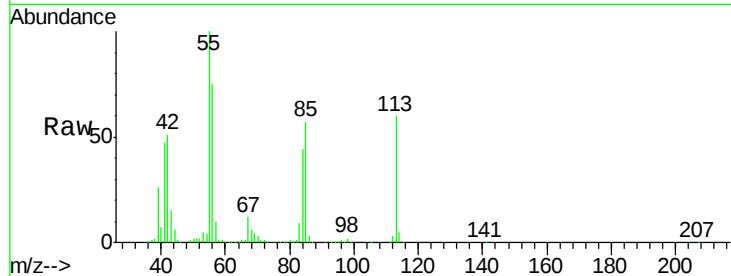




#35
 Caprolactam
 Concen: 40.74 ng
 RT: 8.39 min Scan# 595
 Delta R.T. -0.03 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

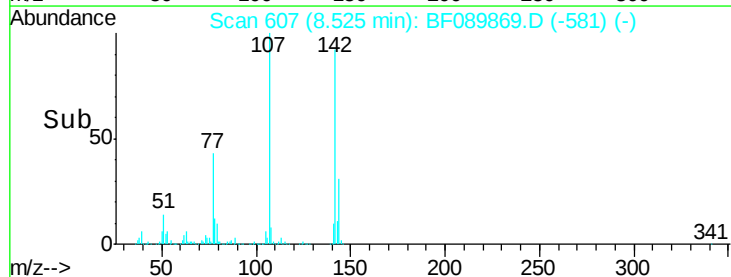
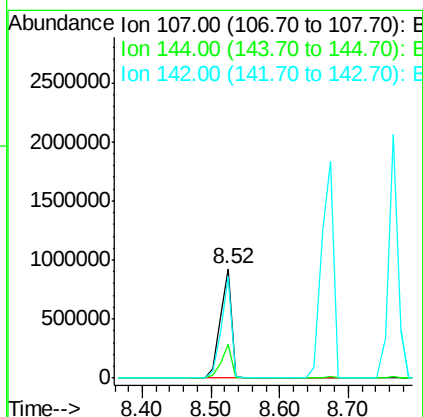
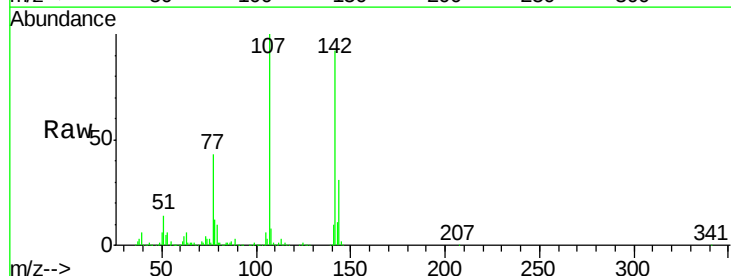
Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

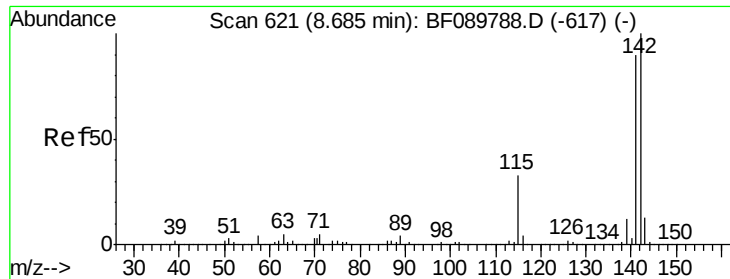
Tgt Ion:113 Resp: 281659
 Ion Ratio Lower Upper
 113 100
 55 167.1 135.9 175.9
 56 124.7 93.9 133.9



#36
 4-Chloro-3-methylphenol
 Concen: 43.59 ng
 RT: 8.52 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion:107 Resp: 1071685
 Ion Ratio Lower Upper
 107 100
 144 30.9 22.6 34.0
 142 92.5 69.3 103.9

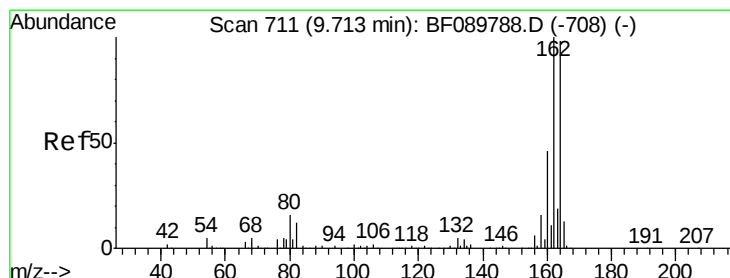
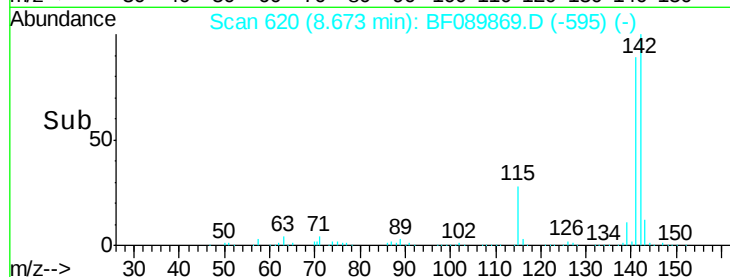
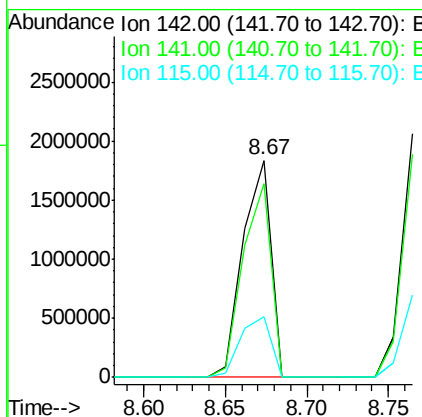
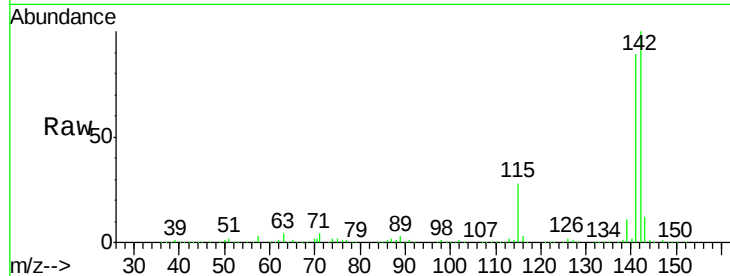




#37
 2-Methylnaphthalene
 Concen: 43.59 ng
 RT: 8.67 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

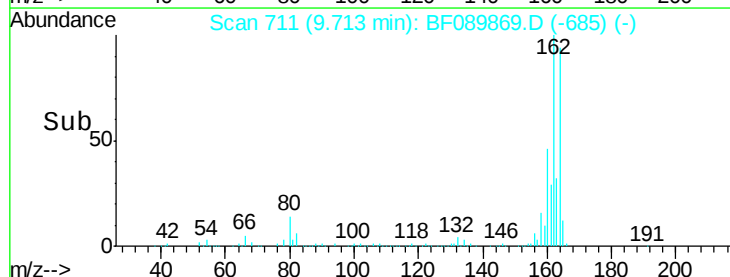
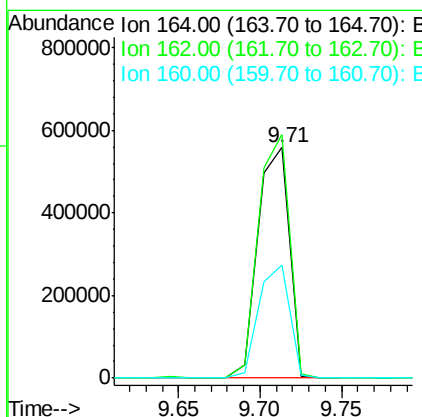
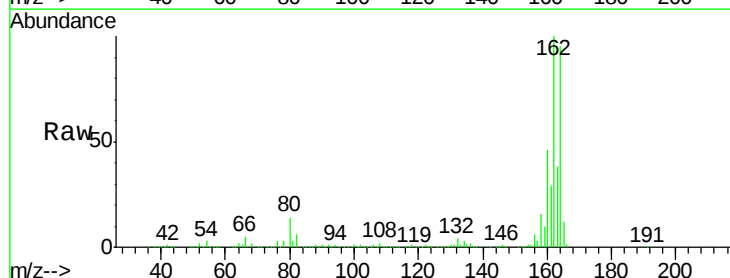
Instrument :
 BNA_F
 ClientSampled :
 AST-1MS

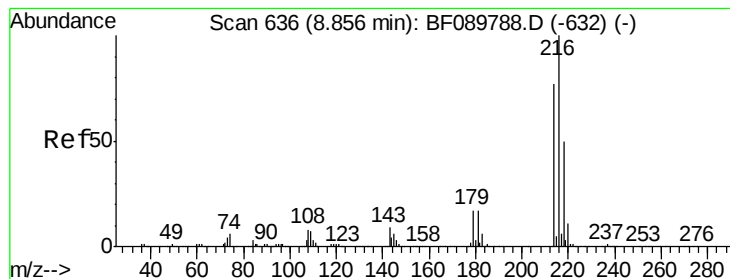
Tgt Ion:142 Resp: 2195651
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.4 107.2
 115 27.9 22.7 34.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion:164 Resp: 749050
 Ion Ratio Lower Upper
 164 100
 162 105.7 81.4 122.2
 160 49.1 37.8 56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 28.43 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

Tgt Ion:216 Resp: 689479

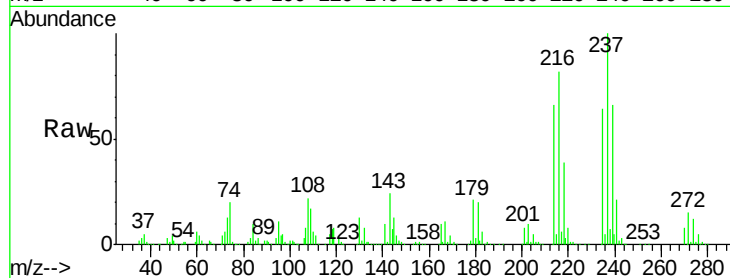
Ion Ratio Lower Upper

216 100

214 79.0 63.5 95.3

179 22.1 19.9 29.9

108 23.3 19.9 29.9

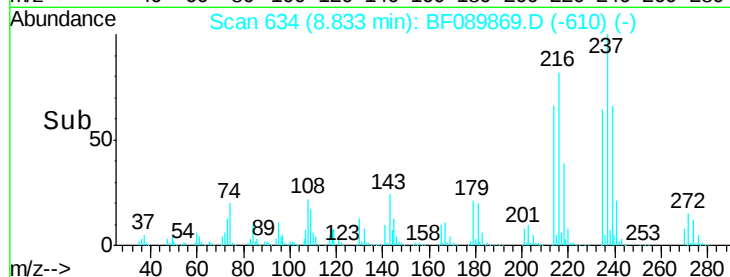


Abundance Ion 216.00 (215.70 to 216.70): E

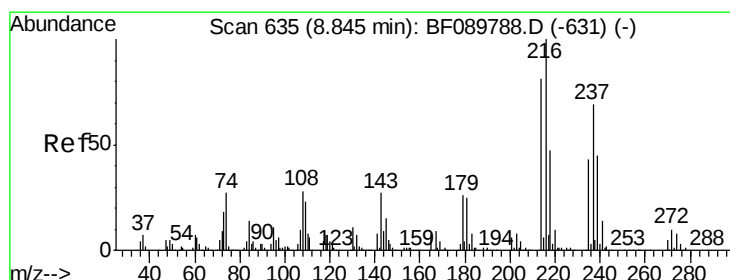
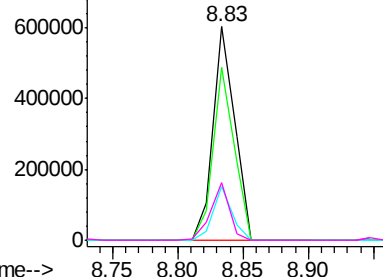
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 99.35 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

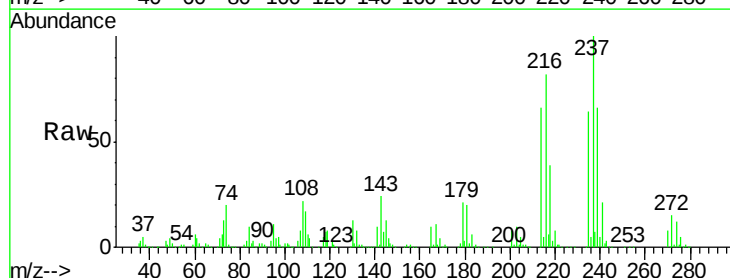
Tgt Ion:237 Resp: 836622

Ion Ratio Lower Upper

237 100

235 63.9 43.7 83.7

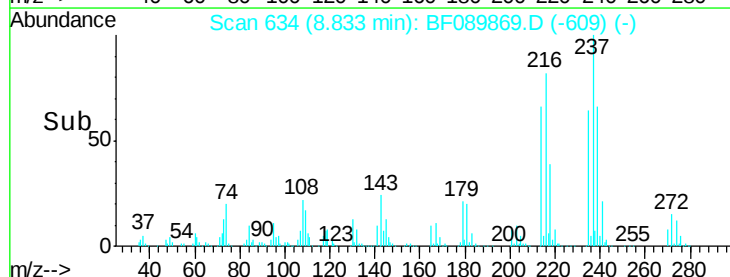
272 15.3 0.0 31.6



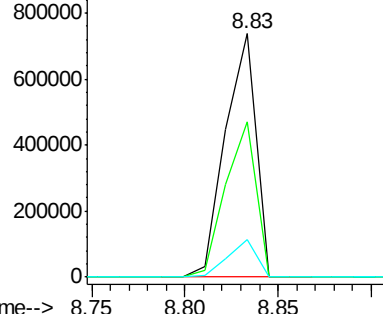
Abundance Ion 236.80 (236.50 to 237.50): E

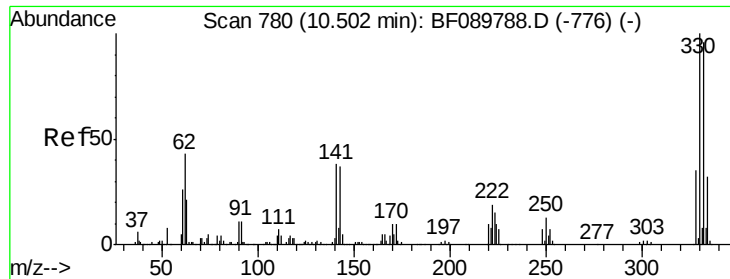
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

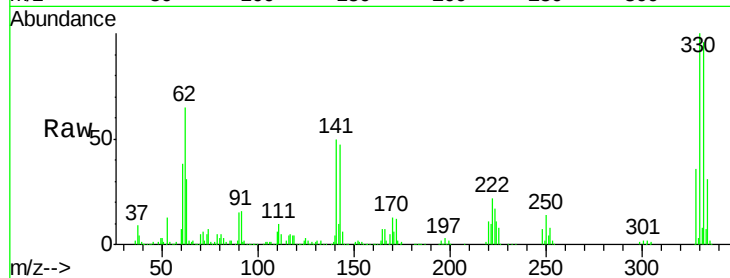




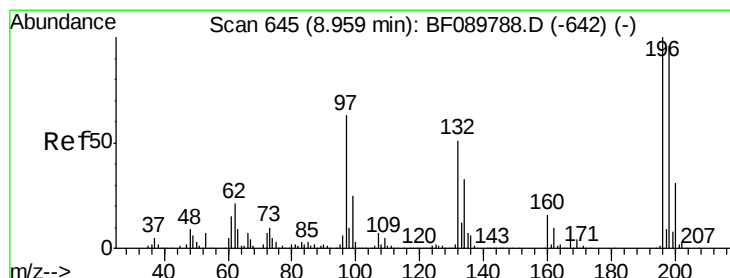
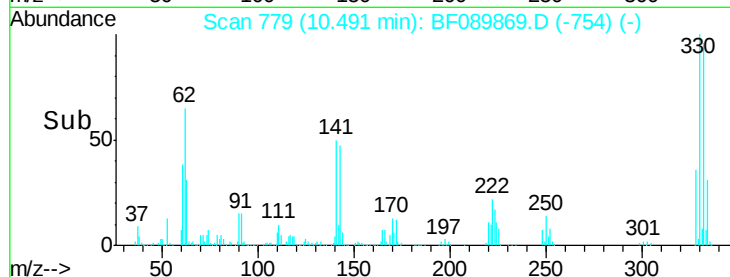
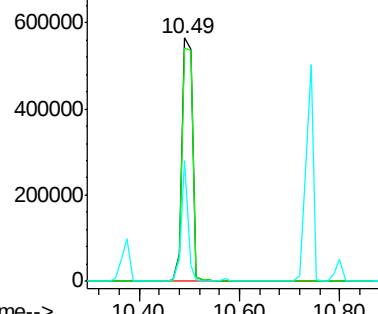
#41
 2,4,6-Tribromophenol
 Concen: 115.44 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

Tgt Ion:330 Resp: 821803
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.7 115.1
 141 31.8 30.2 45.2

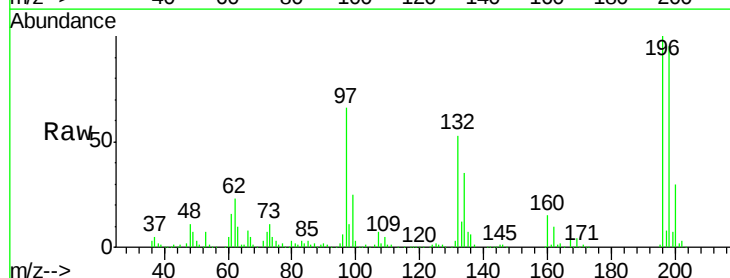


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

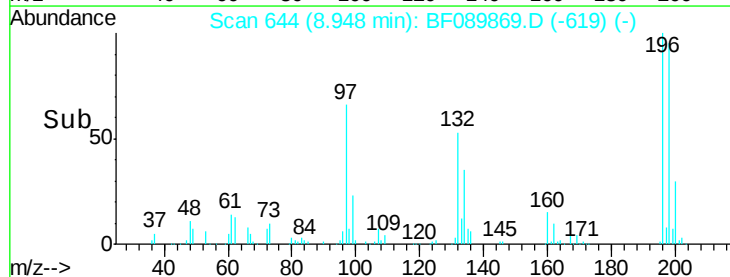
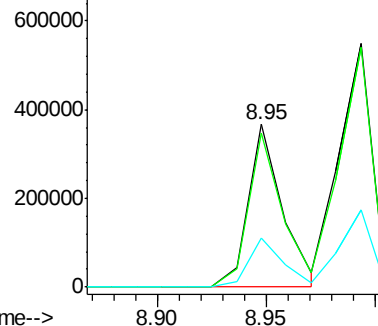


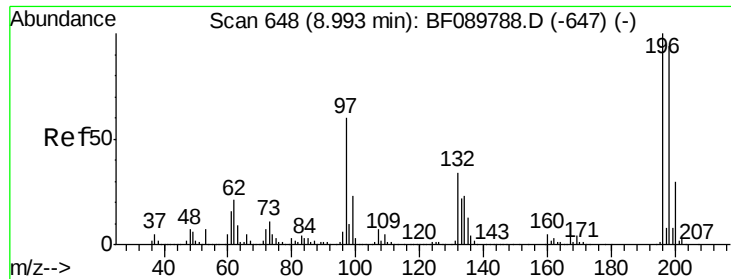
#42
 2,4,6-Trichlorophenol
 Concen: 26.60 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion:196 Resp: 405849
 Ion Ratio Lower Upper
 196 100
 198 94.9 76.3 114.5
 200 29.9 24.6 36.8



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

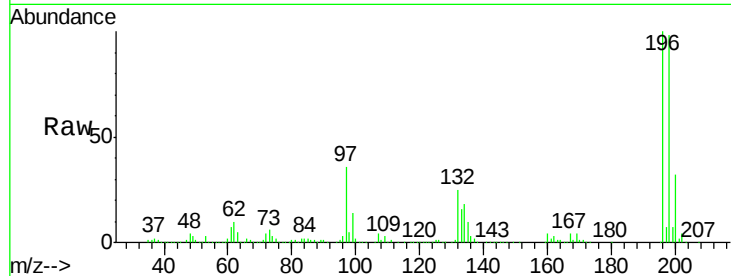




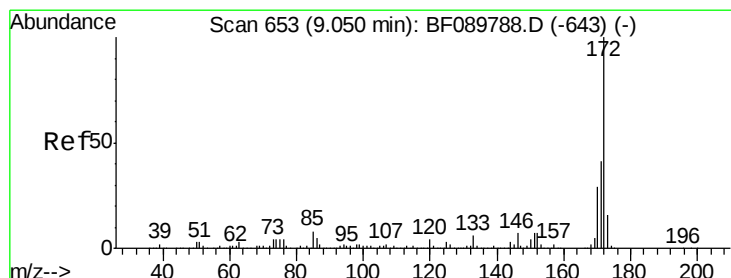
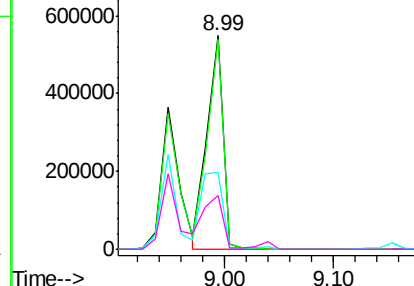
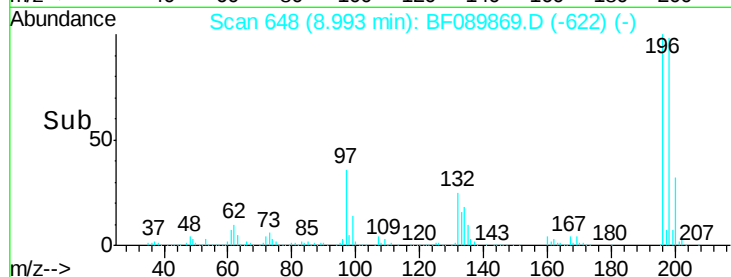
#43
 2,4,5-Trichlorophenol
 Concen: 37.54 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

Tgt Ion:196 Resp: 569762
 Ion Ratio Lower Upper
 196 100
 198 98.4 76.6 114.8
 97 35.8 35.8 53.8#
 132 25.1 23.5 35.3

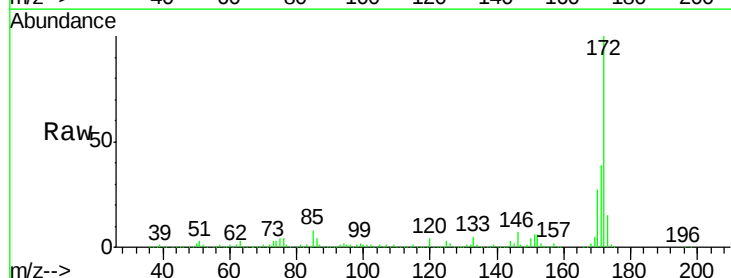


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

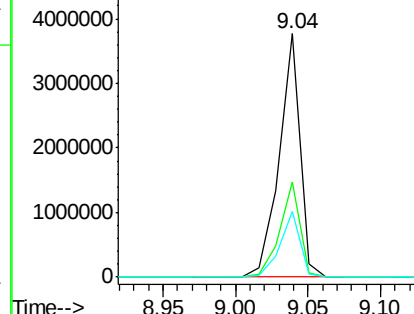
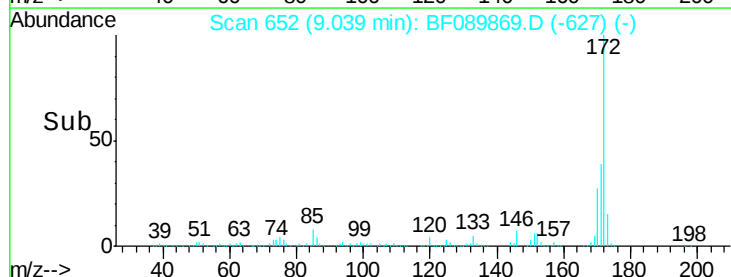


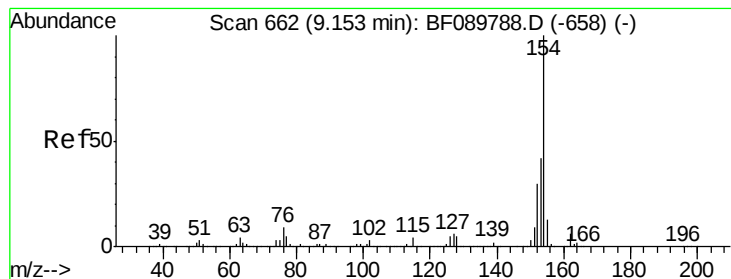
#44
 2-Fluorobiphenyl
 Concen: 88.25 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion:172 Resp: 3761183
 Ion Ratio Lower Upper
 172 100
 171 39.3 30.5 45.7
 170 27.0 20.6 31.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 38.73 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

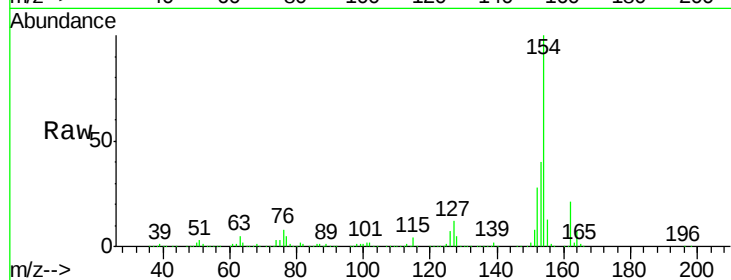
Tgt Ion:154 Resp: 2245095

Ion Ratio Lower Upper

154 100

153 39.8 21.5 61.5

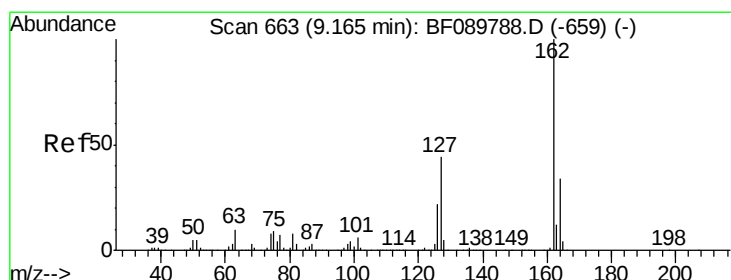
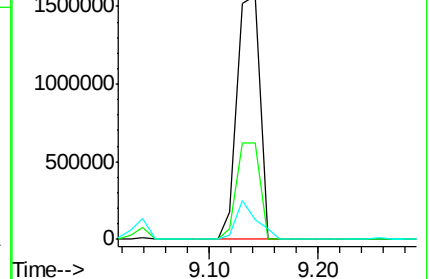
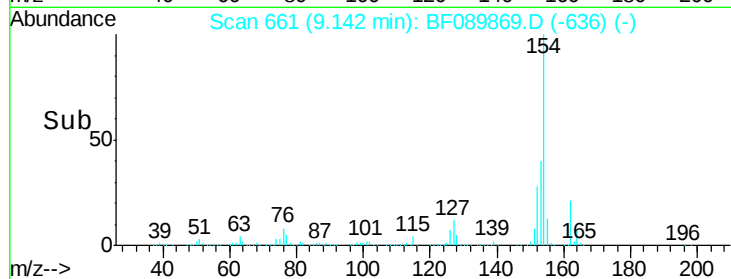
76 8.2 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 40.76 ng

RT: 9.15 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

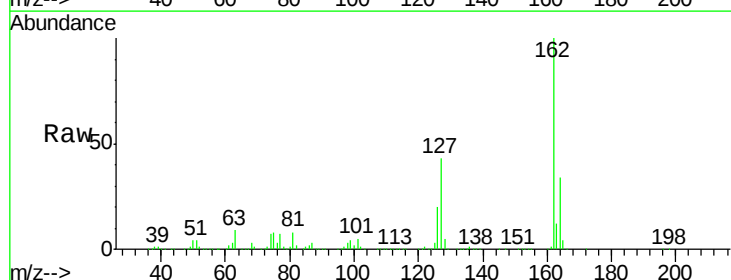
Tgt Ion:162 Resp: 1867606

Ion Ratio Lower Upper

162 100

127 43.2 35.5 53.3

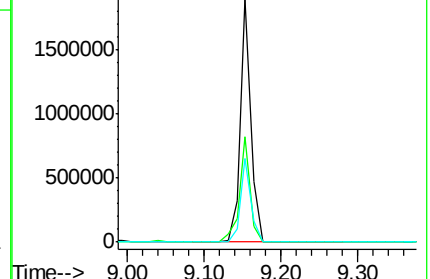
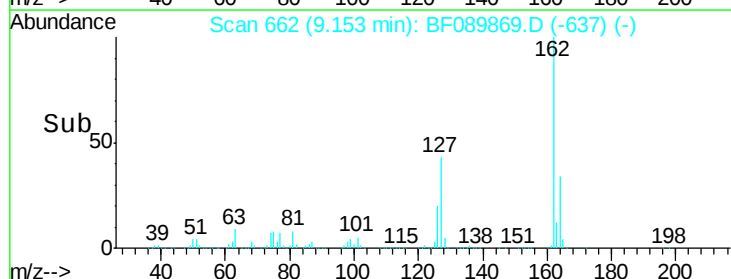
164 34.3 26.6 40.0

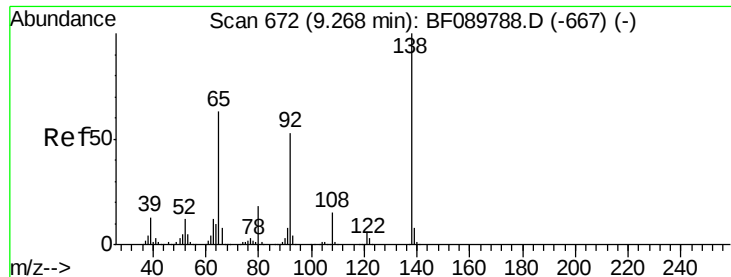


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

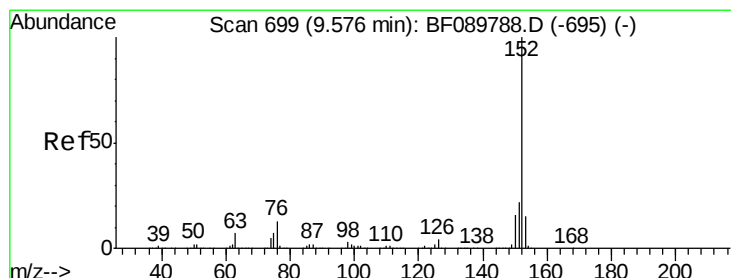
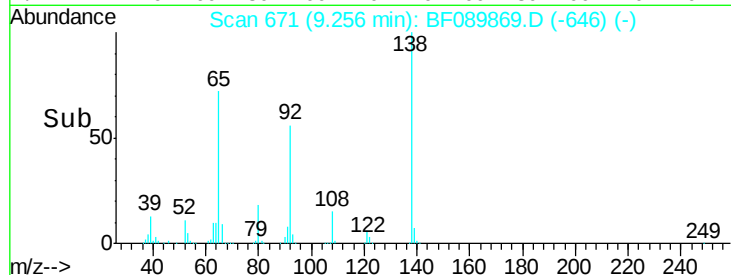
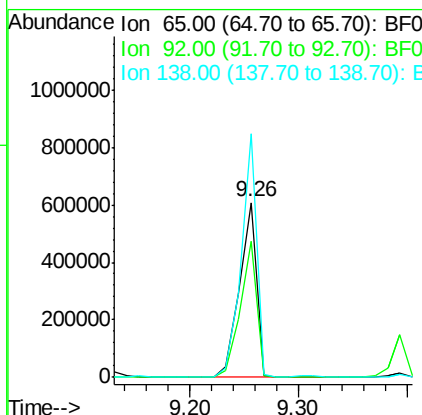
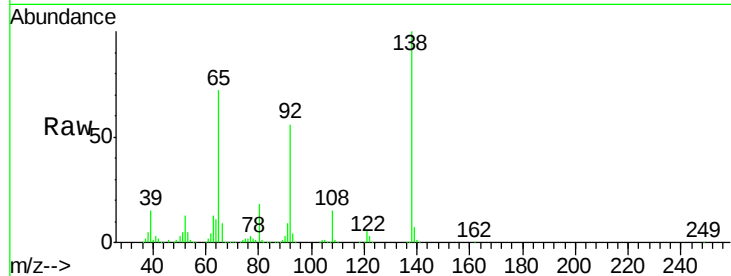




#47
2-Nitroaniline
Concen: 49.93 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

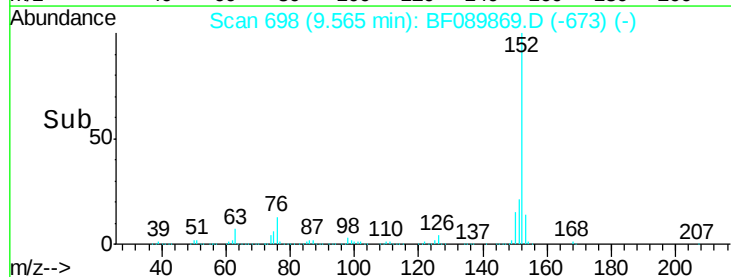
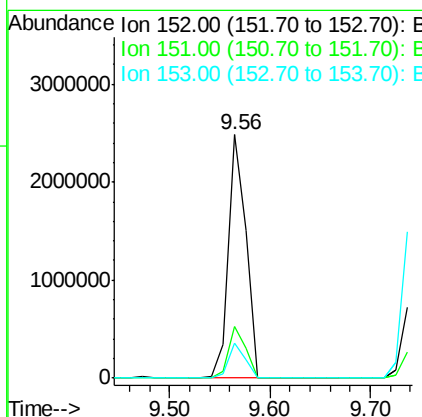
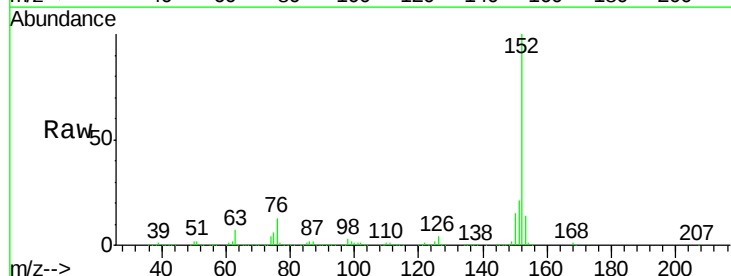
Instrument :
BNA_F
ClientSampleId :
AST-1MS

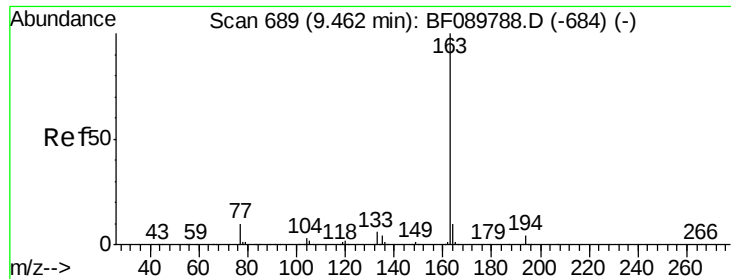
Tgt Ion: 65 Resp: 652551
Ion Ratio Lower Upper
65 100
92 77.8 56.3 84.5
138 139.1 81.8 122.8#



#48
Acenaphthylene
Concen: 43.33 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 152 Resp: 2983242
Ion Ratio Lower Upper
152 100
151 21.4 17.1 25.7
153 14.4 11.2 16.8





#49

Dimethylphthalate

Concen: 67.35 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

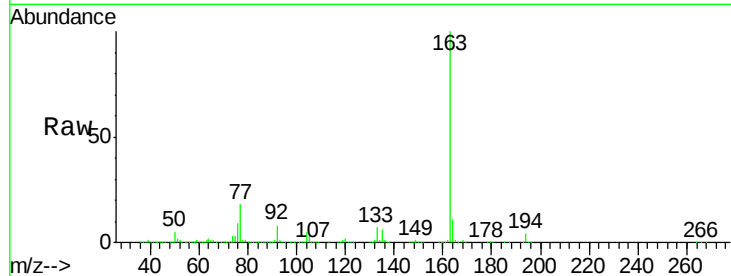
Tgt Ion:163 Resp: 3552208

Ion Ratio Lower Upper

163 100

194 3.9 2.6 3.8#

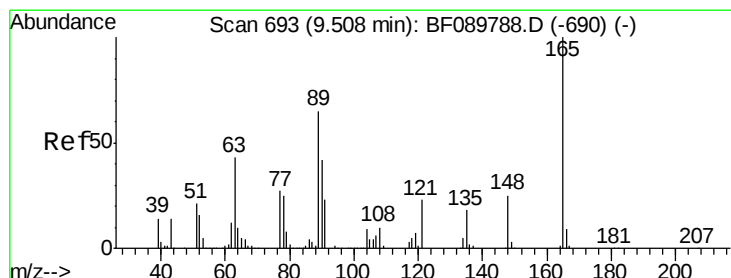
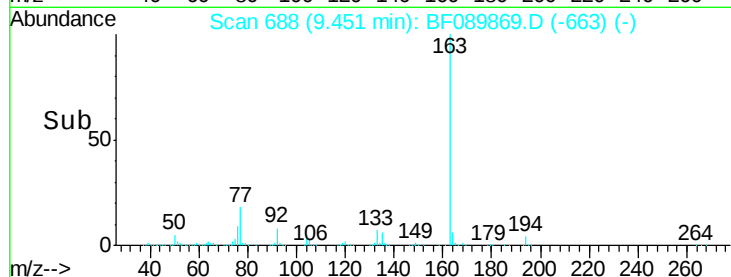
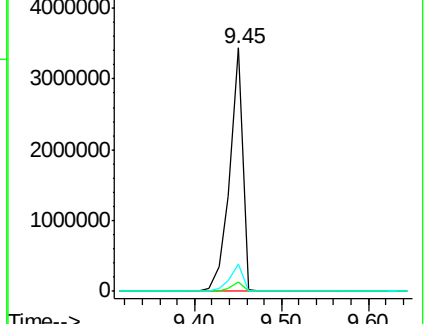
164 11.1 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 43.54 ng

RT: 9.51 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

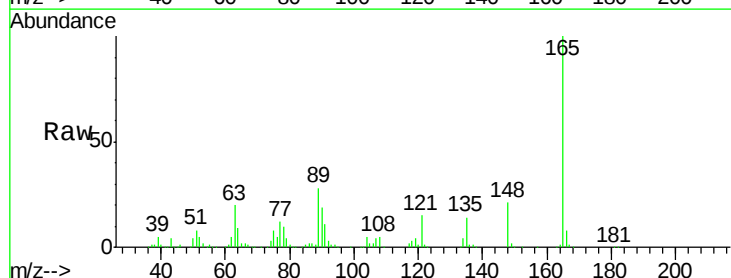
Tgt Ion:165 Resp: 530187

Ion Ratio Lower Upper

165 100

63 19.7 41.7 62.5#

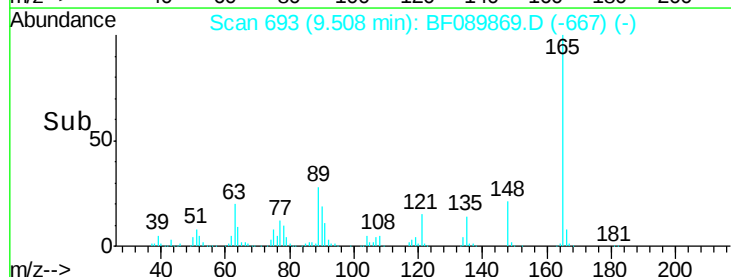
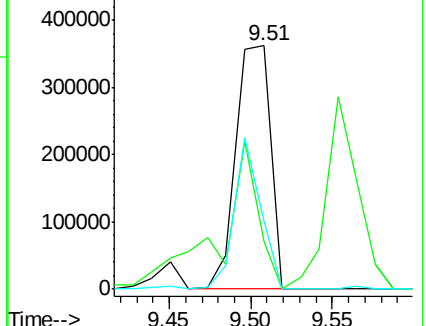
89 28.1 44.6 67.0#

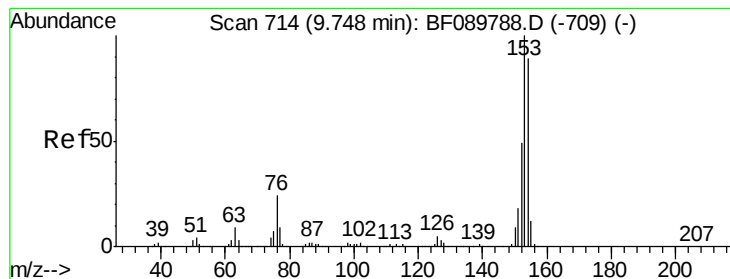


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.73 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

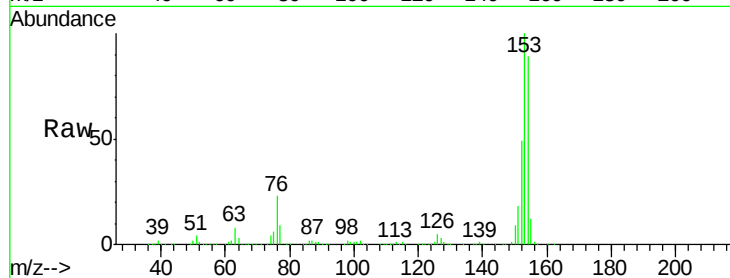
Tgt Ion:154 Resp: 1856260

Ion Ratio Lower Upper

154 100

153 112.0 90.5 135.7

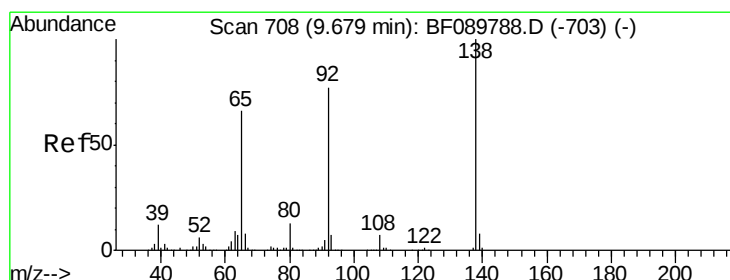
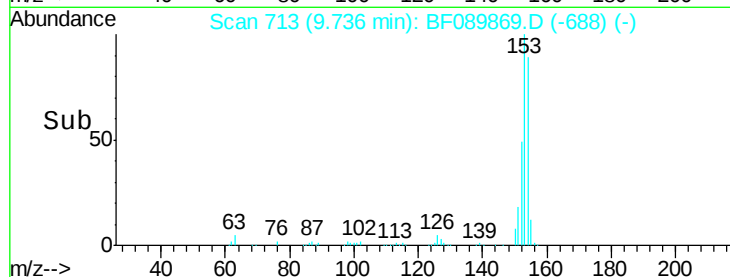
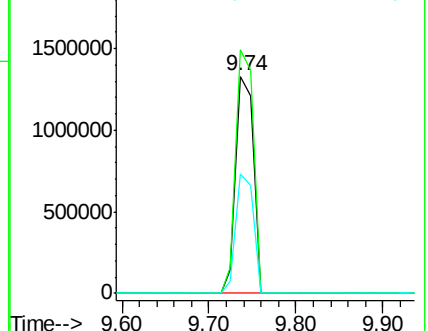
152 54.7 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 42.27 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

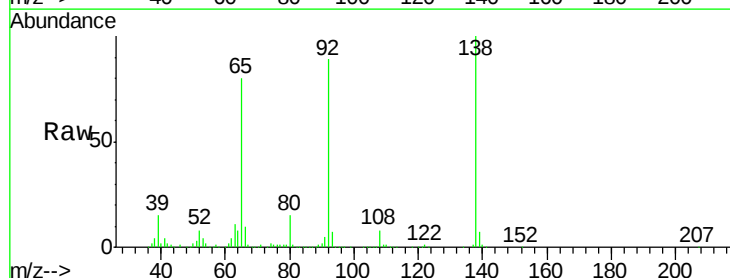
Tgt Ion:138 Resp: 570230

Ion Ratio Lower Upper

138 100

108 8.2 8.1 12.1

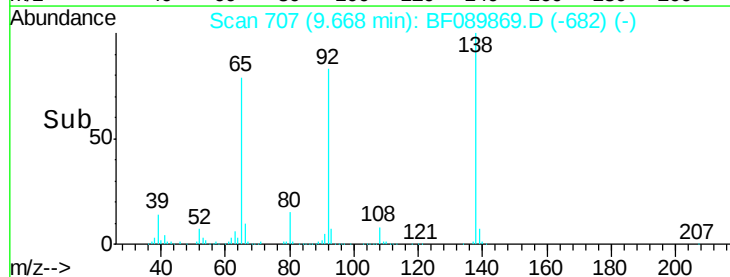
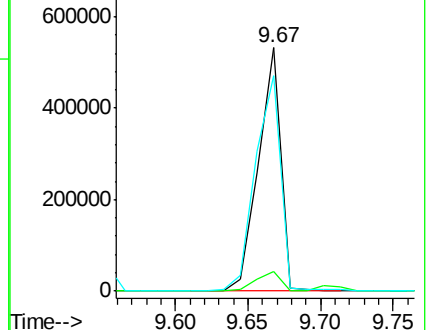
92 88.7 92.7 139.1#

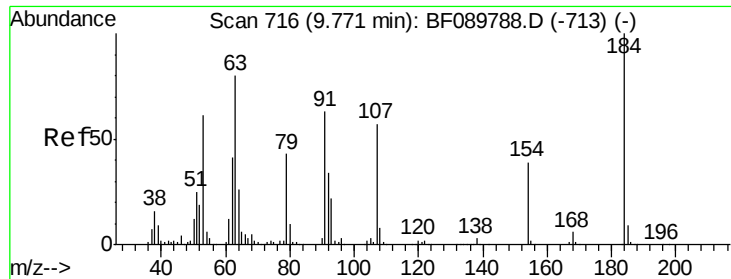


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

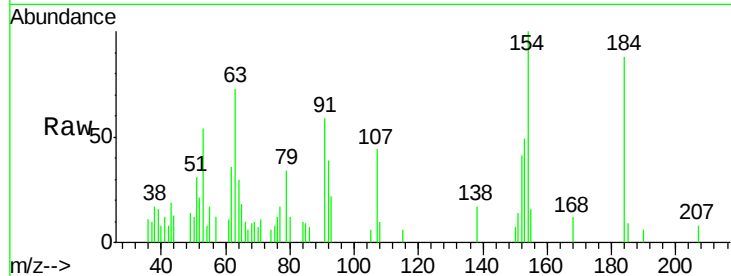




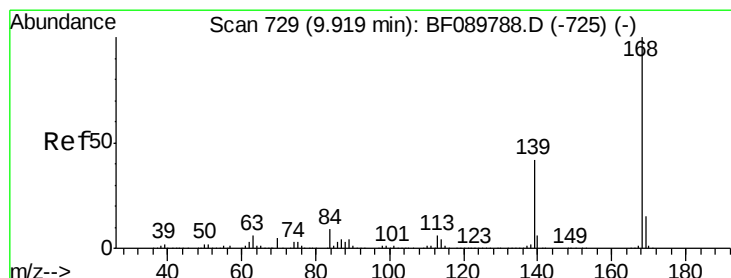
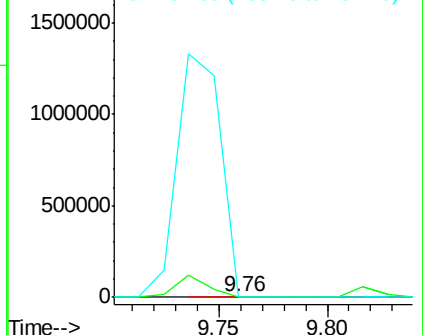
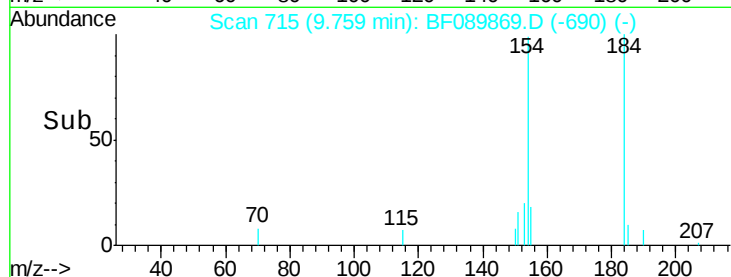
#53
2,4-Dinitrophenol
Concen: 3.35 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Instrument :
BNA_F
ClientSampleId :
AST-1MS

Tgt Ion:184 Resp: 5207
Ion Ratio Lower Upper
184 100
63 82.2 54.2 81.4#
154 113.2 52.7 79.1#

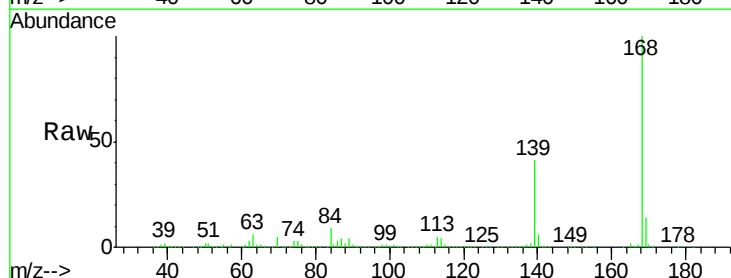


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

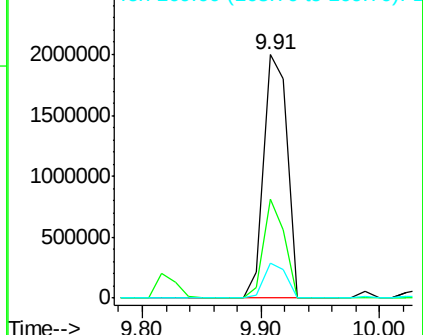
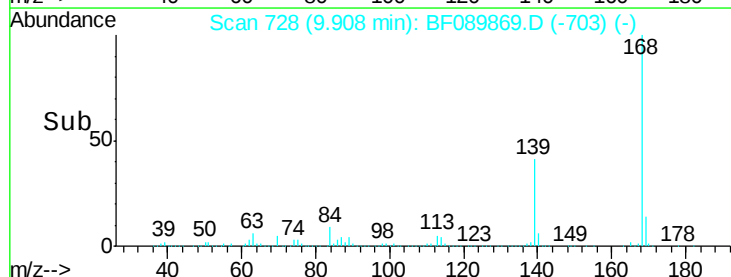


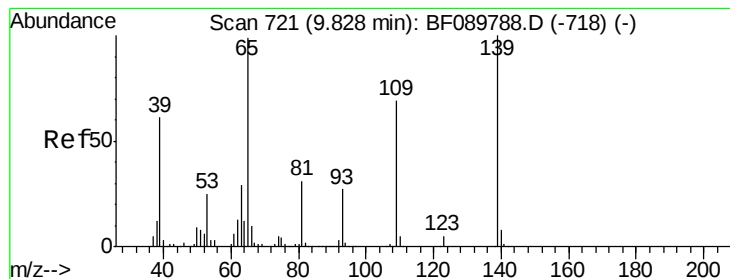
#54
Dibenzofuran
Concen: 48.21 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:168 Resp: 2759438
Ion Ratio Lower Upper
168 100
139 40.6 34.6 52.0
169 14.4 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 22.47 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

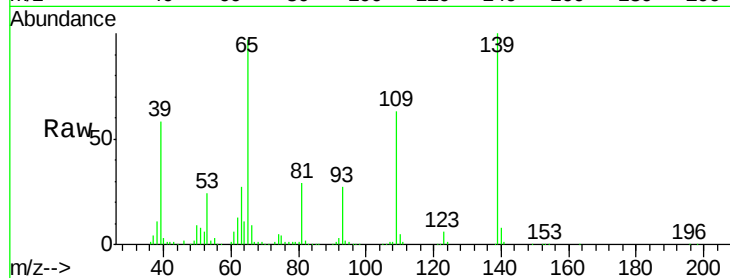
Tgt Ion:139 Resp: 247384

Ion Ratio Lower Upper

139 100

109 62.7 43.0 83.0

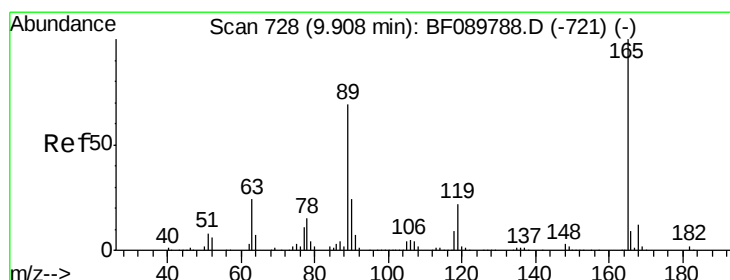
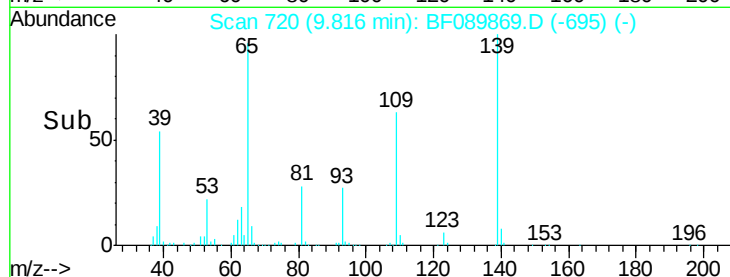
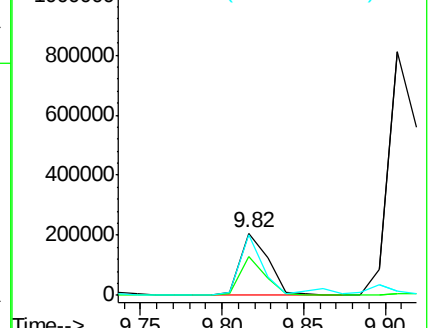
65 96.6 55.7 95.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 42.70 ng

RT: 9.90 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Tgt Ion:165 Resp: 674582

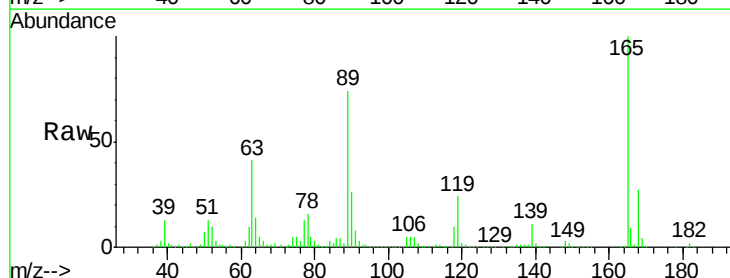
Ion Ratio Lower Upper

165 100

63 40.8 23.7 35.5#

89 74.0 44.0 66.0#

182 2.1 2.0 3.0

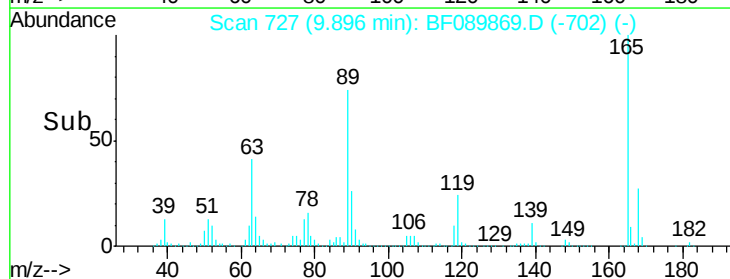
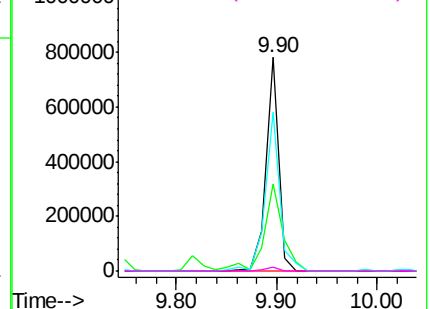


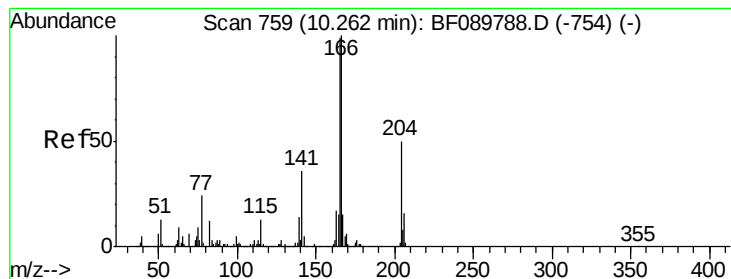
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 41.76 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

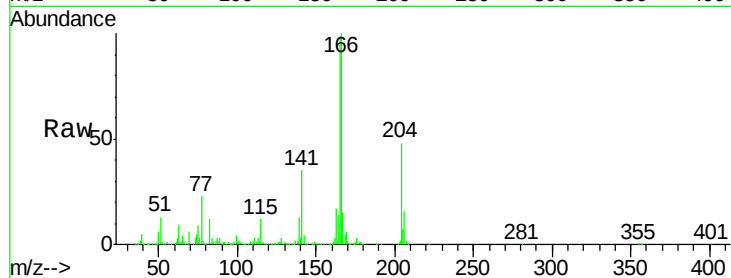
Tgt Ion:166 Resp: 1904604

Ion Ratio Lower Upper

166 100

165 98.2 80.2 120.4

167 14.6 11.3 16.9

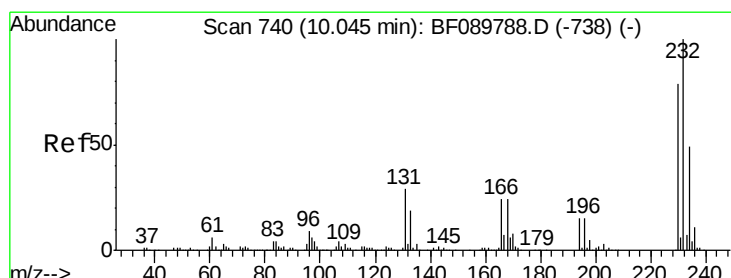
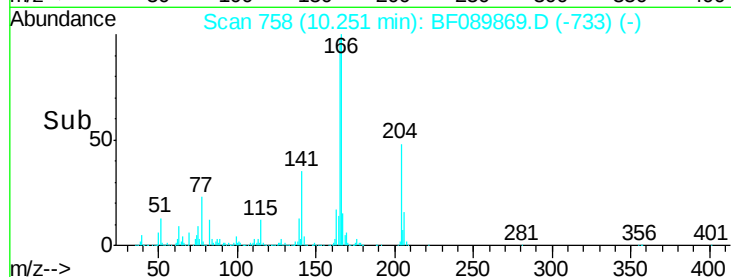
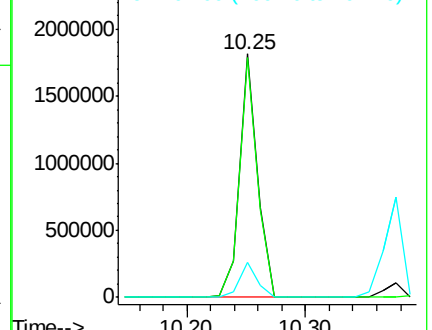


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 21.32 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Tgt Ion:232 Resp: 235543

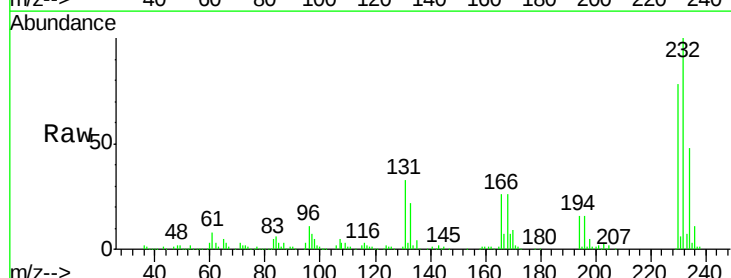
Ion Ratio Lower Upper

232 100

131 48.3 42.5 63.7

130 2.0 2.2 3.4#

166 32.0 27.3 40.9



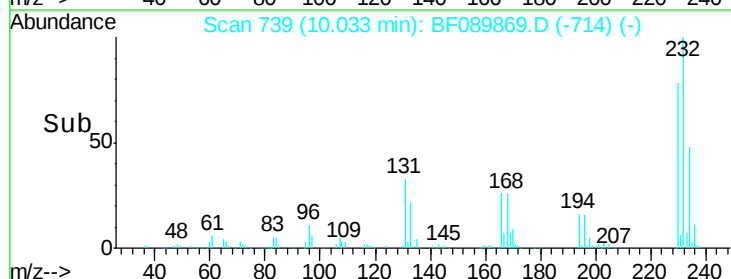
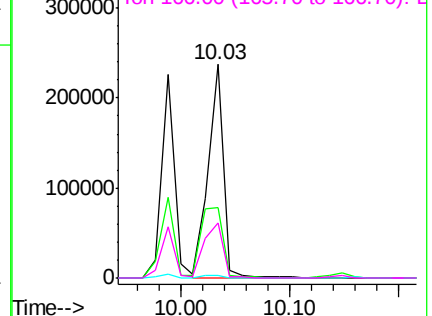
Abundance

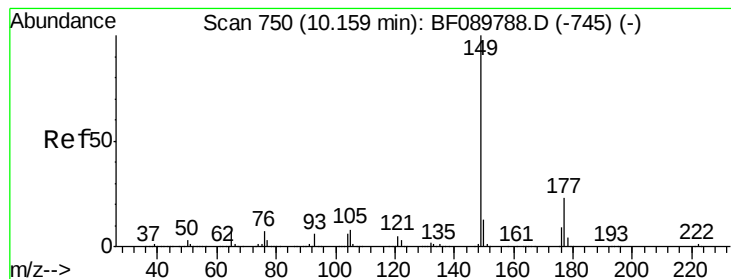
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 45.22 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

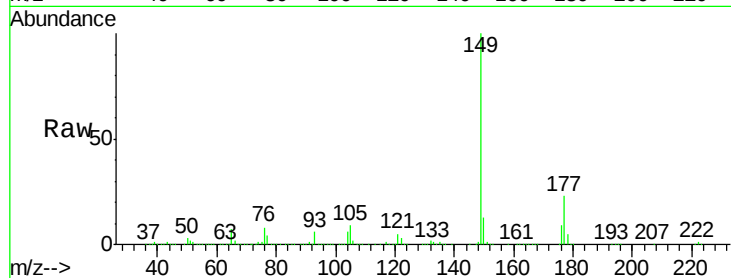
Tgt Ion:149 Resp: 2422834

Ion Ratio Lower Upper

149 100

177 22.9 16.6 25.0

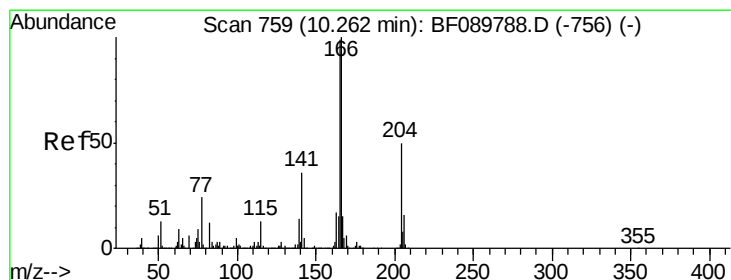
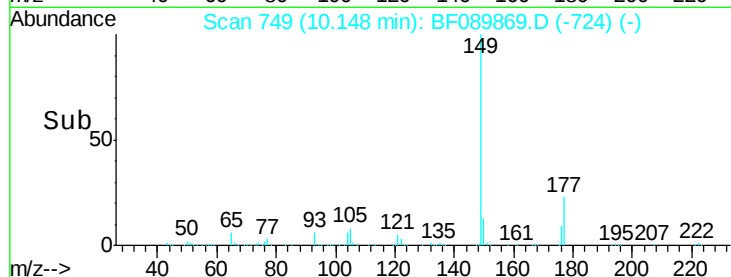
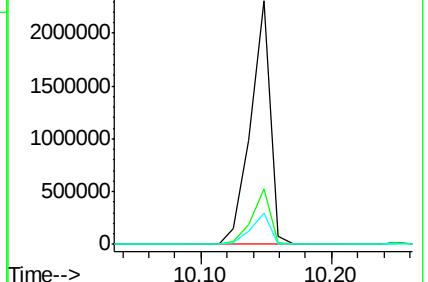
150 12.8 10.5 15.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 41.27 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

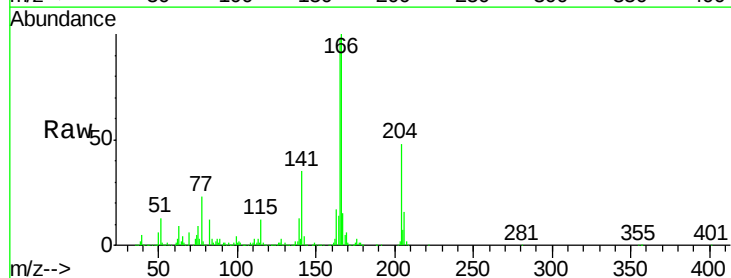
Tgt Ion:204 Resp: 858746

Ion Ratio Lower Upper

204 100

206 32.8 26.5 39.7

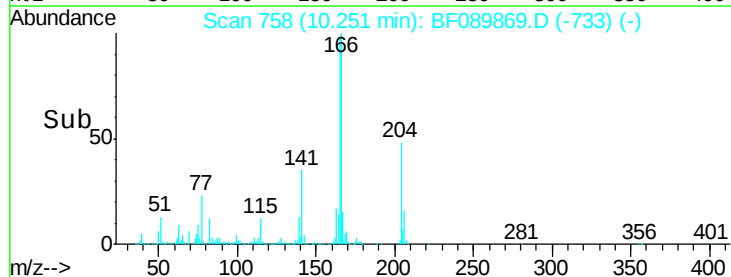
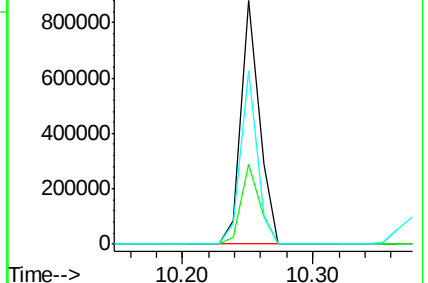
141 71.3 54.1 81.1

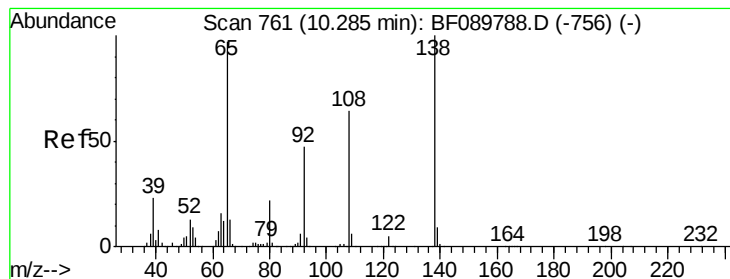


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

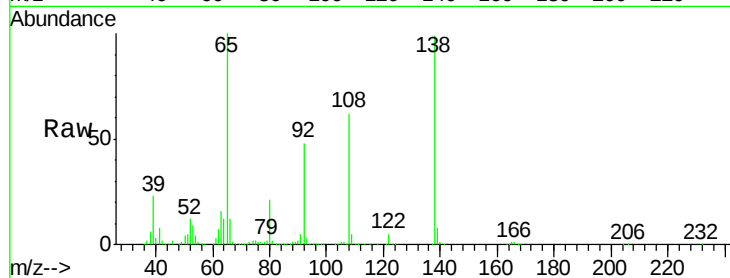




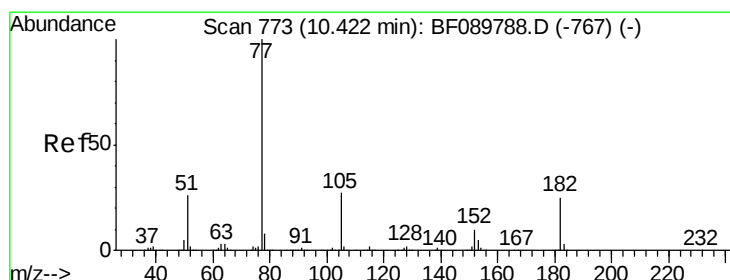
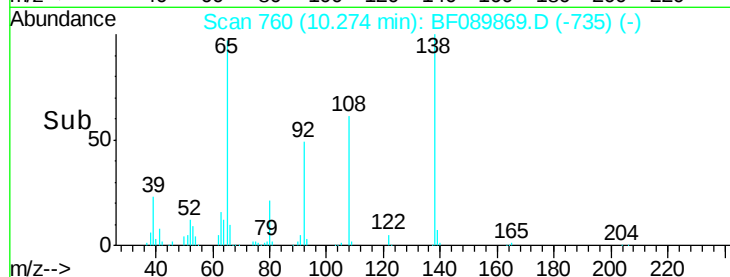
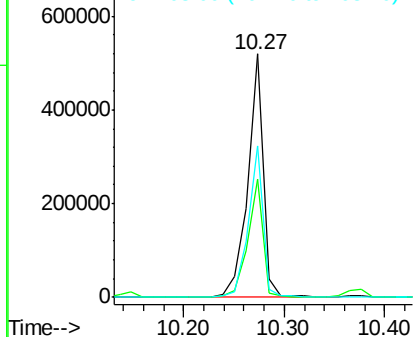
#61
4-Nitroaniline
Concen: 44.12 ng
RT: 10.27 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Instrument :
BNA_F
ClientSampleId :
AST-1MS

Tgt Ion: 138 Resp: 558067
Ion Ratio Lower Upper
138 100
92 48.7 26.4 66.4
108 62.3 47.0 87.0

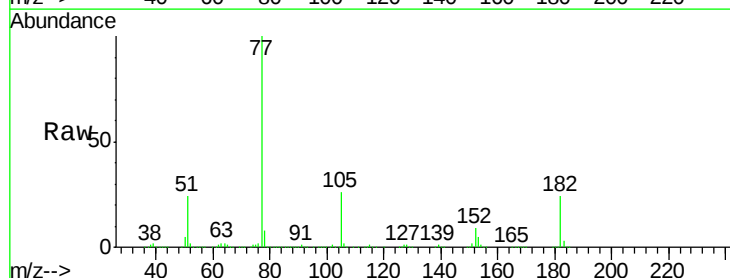


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

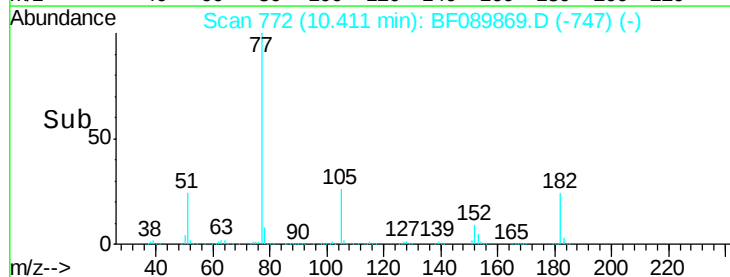
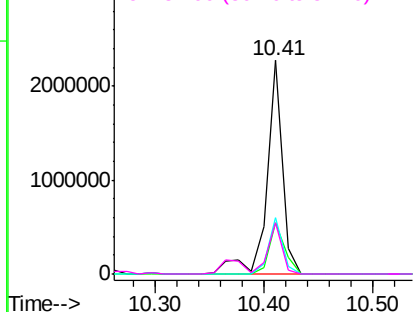


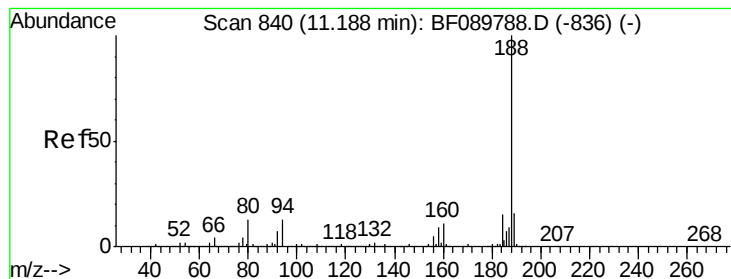
#62
Azobenzene
Concen: 45.96 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 77 Resp: 2314876
Ion Ratio Lower Upper
77 100
182 23.9 5.6 45.6
105 26.1 4.0 44.0
51 24.0 7.8 47.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

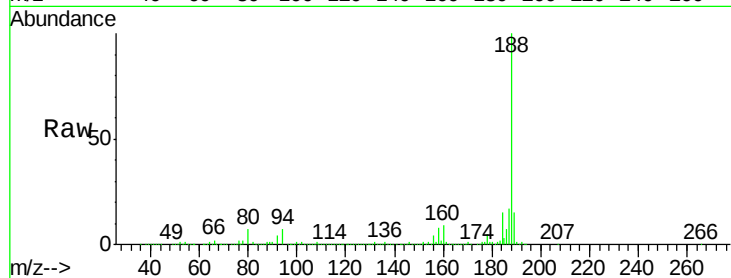
Tgt Ion:188 Resp: 1470430

Ion Ratio Lower Upper

188 100

94 7.4 10.2 15.2#

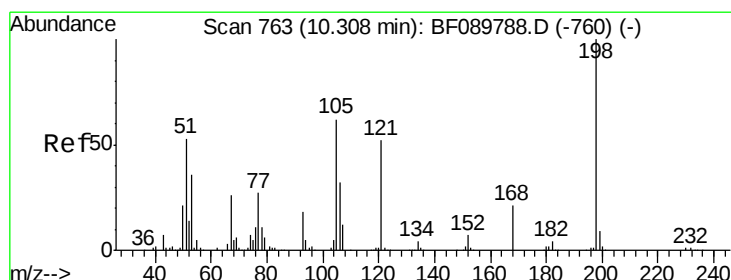
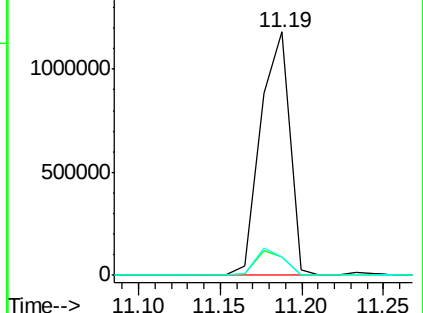
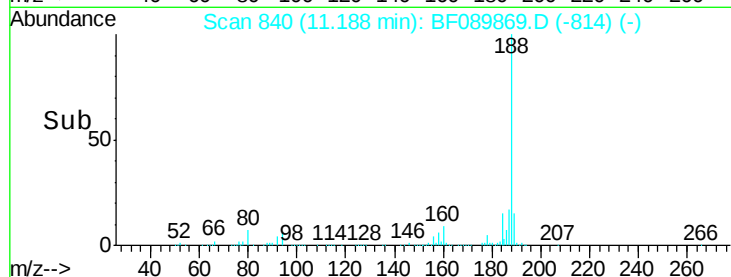
80 7.4 10.9 16.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 4.05 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

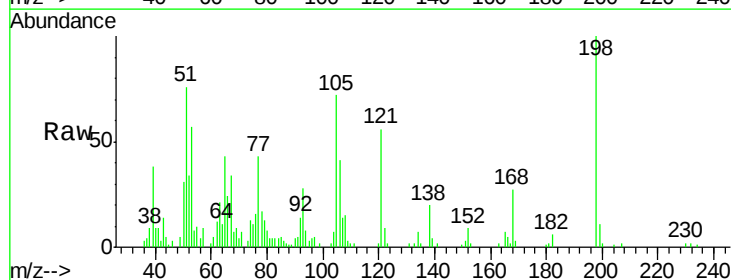
Tgt Ion:198 Resp: 34198

Ion Ratio Lower Upper

198 100

51 76.0 32.3 72.3#

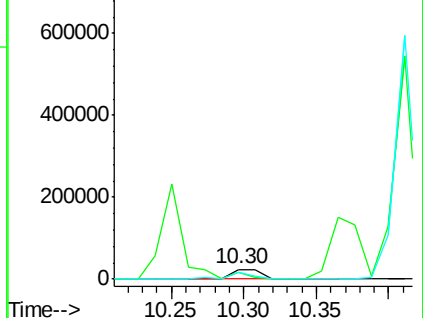
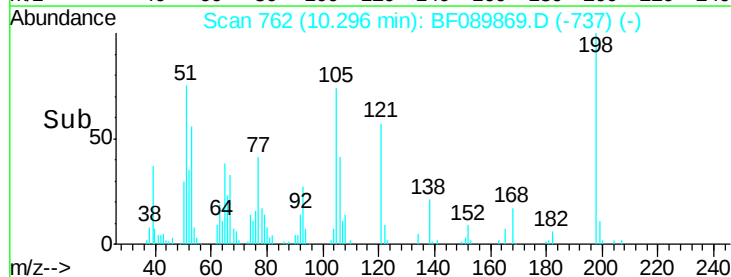
105 72.3 32.9 72.9

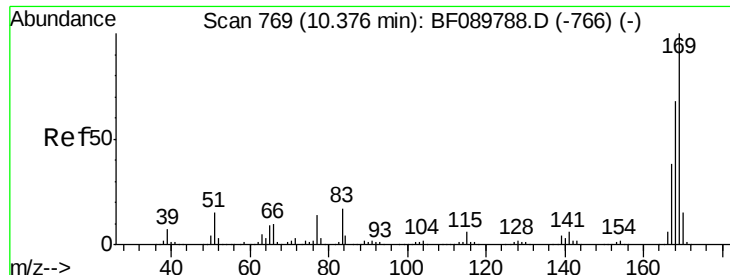


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

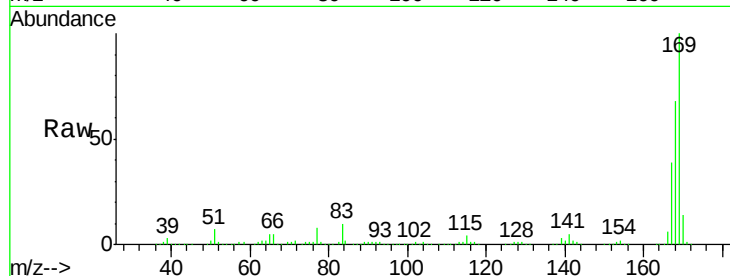




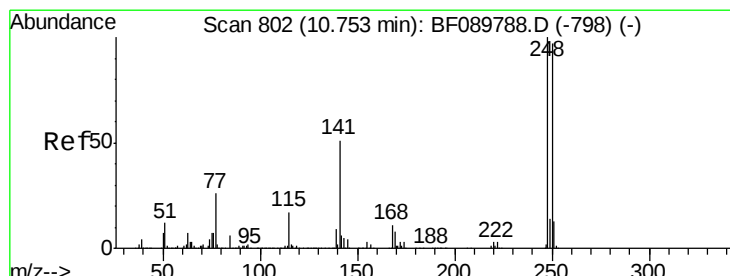
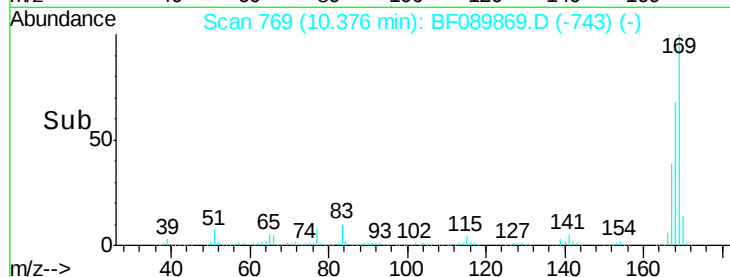
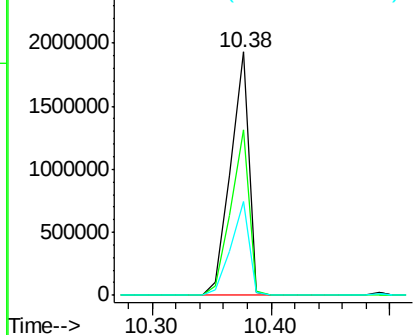
#65
 n-Nitrosodiphenylamine
 Concen: 44.79 ng
 RT: 10.38 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

Tgt Ion:169 Resp: 2070936
 Ion Ratio Lower Upper
 169 100
 168 68.0 54.6 82.0
 167 38.5 30.6 45.8

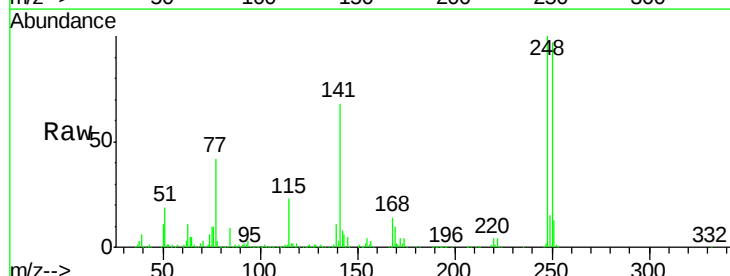


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

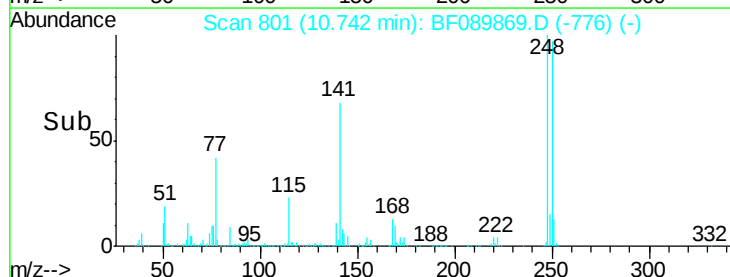
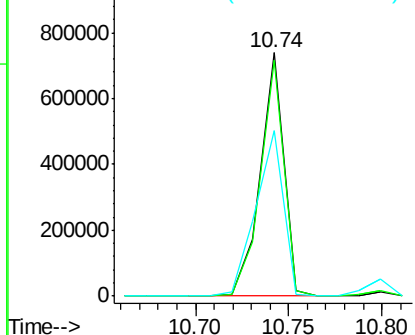


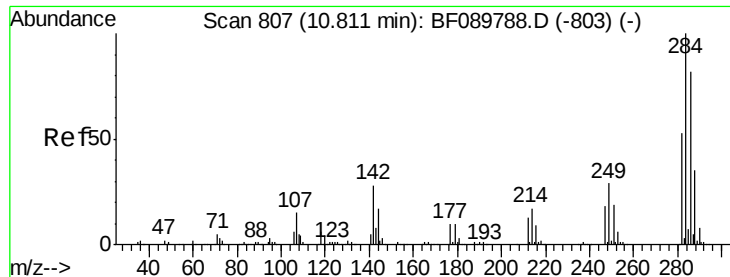
#66
 4-Bromophenyl-phenylether
 Concen: 41.72 ng
 RT: 10.74 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion:248 Resp: 643129
 Ion Ratio Lower Upper
 248 100
 250 97.0 78.6 117.8
 141 67.8 31.4 47.2#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 37.41 ng

RT: 10.80 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

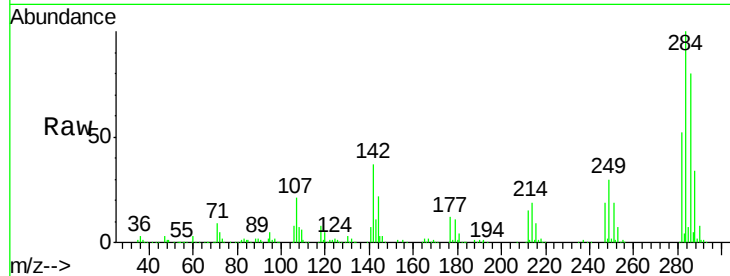
Tgt Ion:284 Resp: 657996

Ion Ratio Lower Upper

284 100

142 36.8 17.4 26.2#

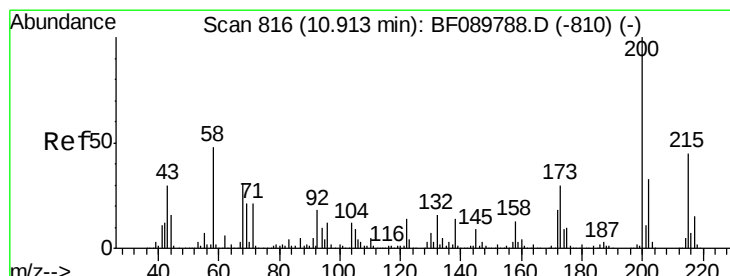
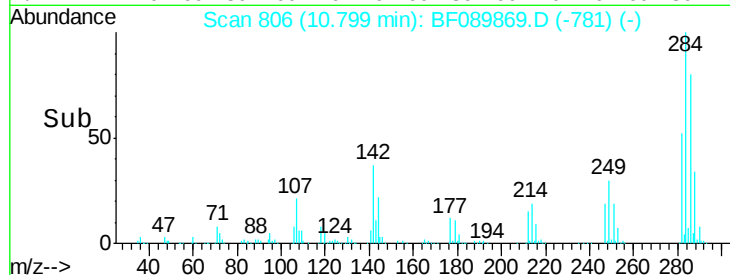
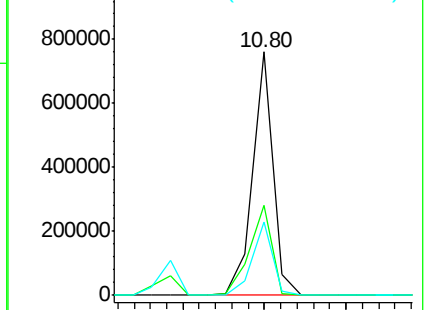
249 30.0 22.8 34.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 40.20 ng

RT: 10.90 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

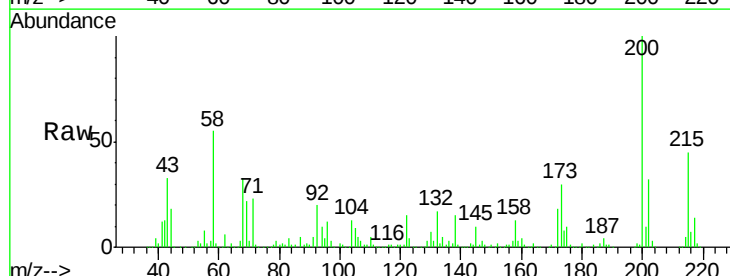
Tgt Ion:200 Resp: 569199

Ion Ratio Lower Upper

200 100

173 30.2 6.6 46.6

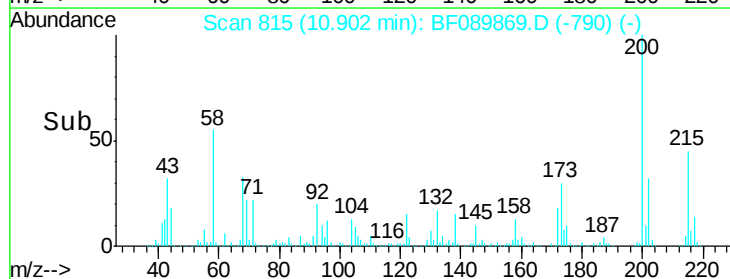
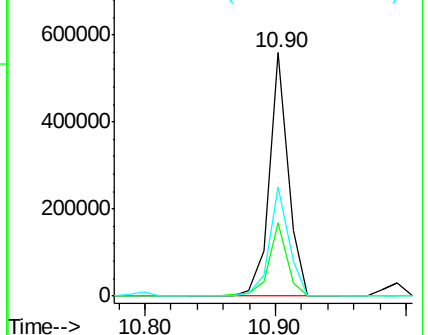
215 45.1 24.7 64.7

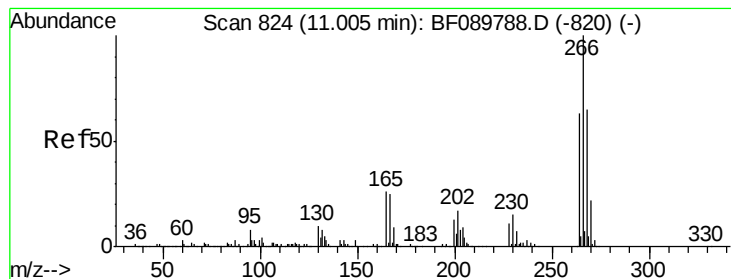


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 19.08 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

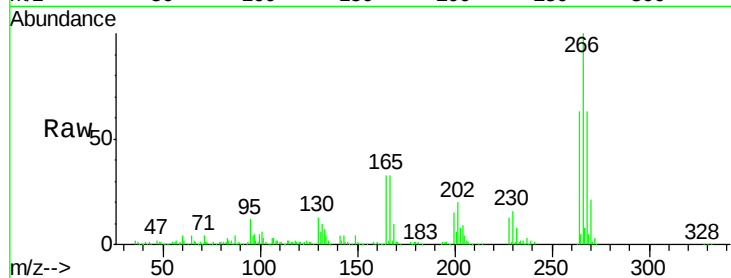
Tgt Ion:266 Resp: 190156

Ion Ratio Lower Upper

266 100

268 63.5 53.2 79.8

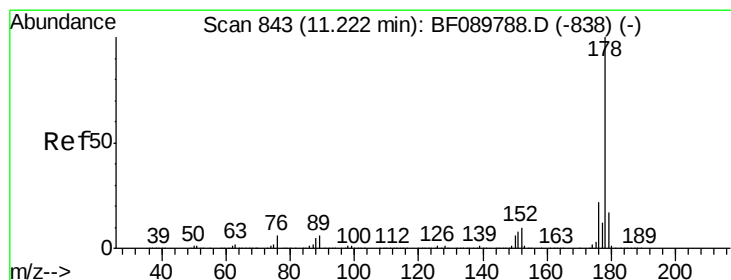
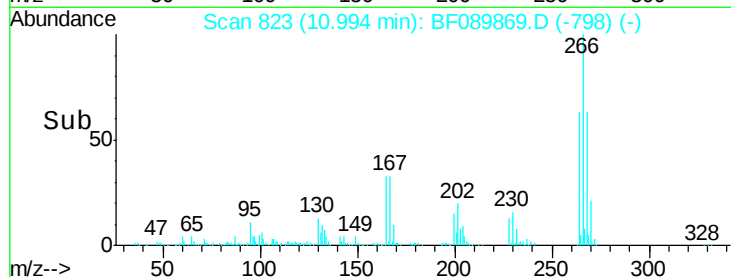
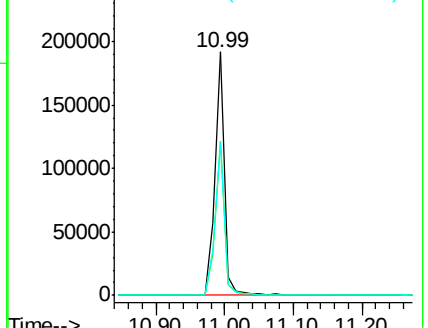
264 62.8 51.1 76.7



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 43.51 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

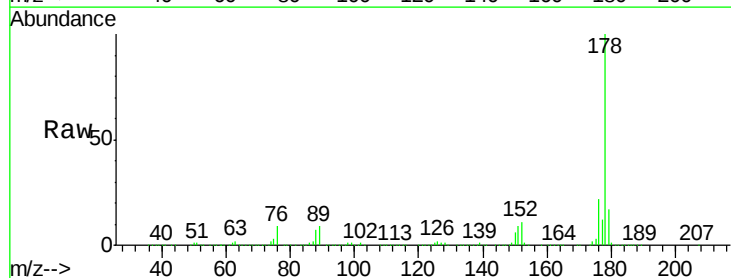
Tgt Ion:178 Resp: 3231427

Ion Ratio Lower Upper

178 100

176 21.8 16.4 24.6

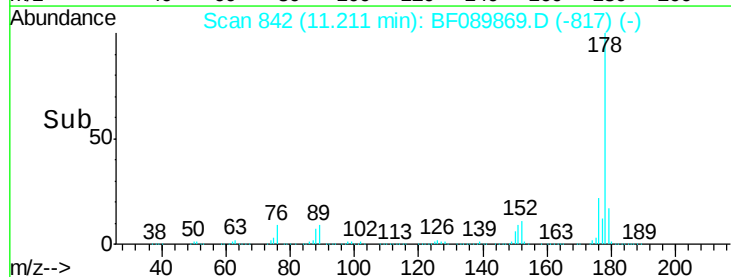
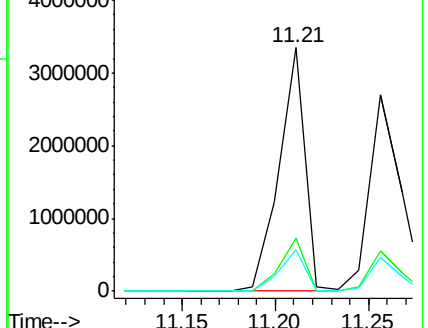
179 17.0 12.5 18.7

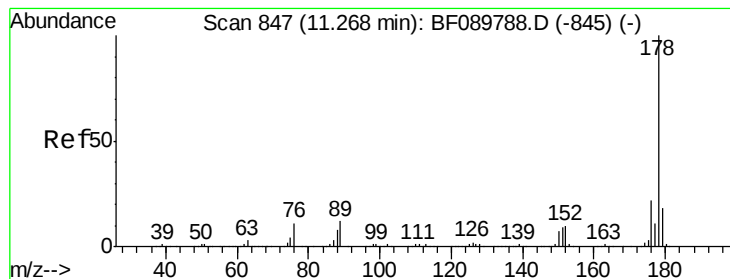


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 39.70 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

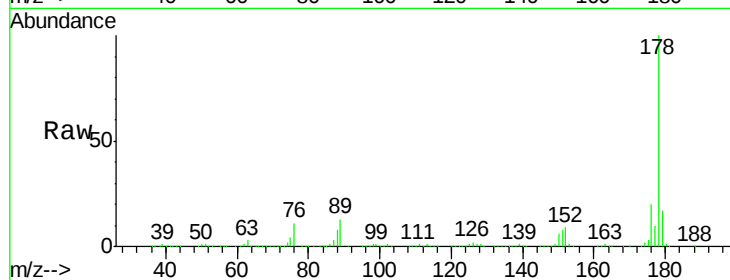
Tgt Ion:178 Resp: 2997258

Ion Ratio Lower Upper

178 100

176 20.3 16.4 24.6

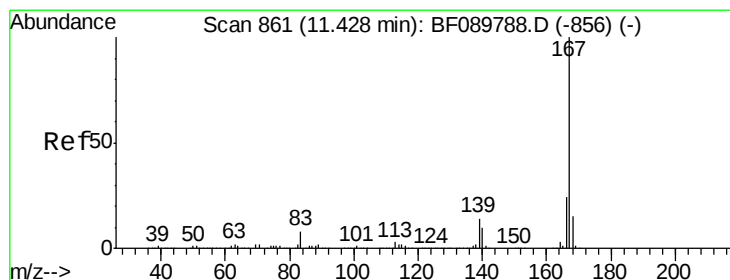
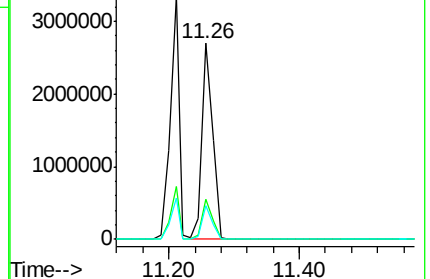
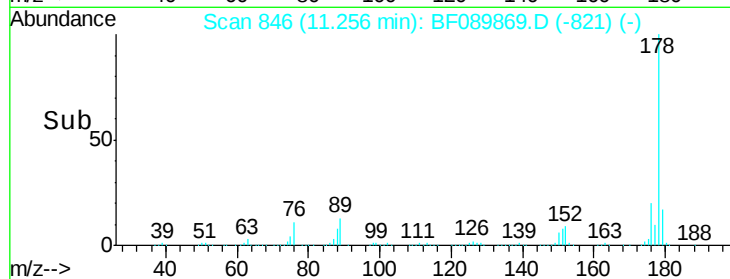
179 16.9 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 42.40 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

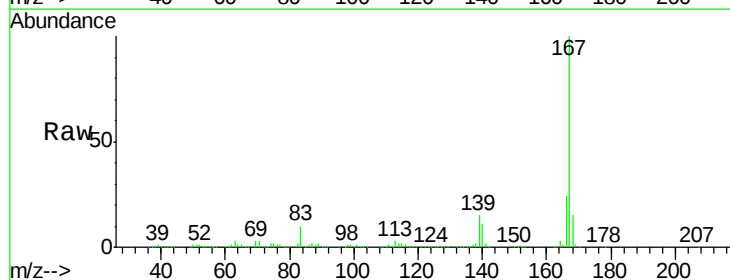
Tgt Ion:167 Resp: 2870715

Ion Ratio Lower Upper

167 100

166 23.6 17.9 26.9

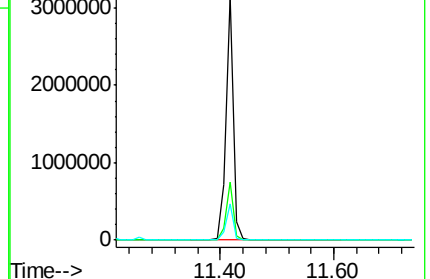
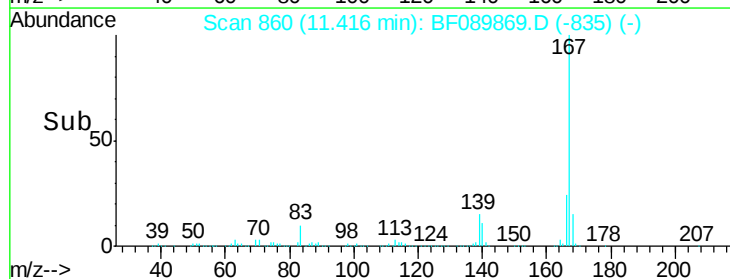
139 14.7 12.4 18.6

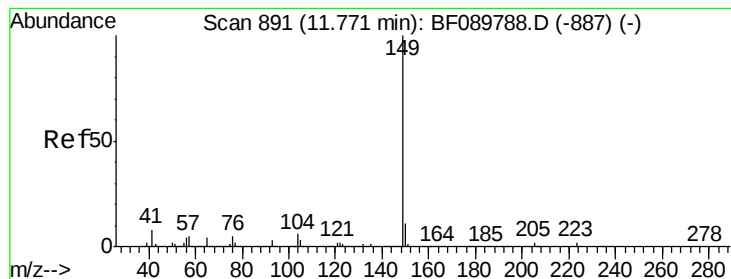


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 44.29 ng

RT: 11.77 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

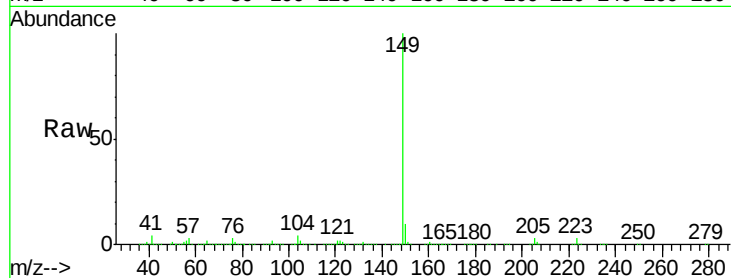
Tgt Ion:149 Resp: 3751993

Ion Ratio Lower Upper

149 100

150 10.3 7.9 11.9

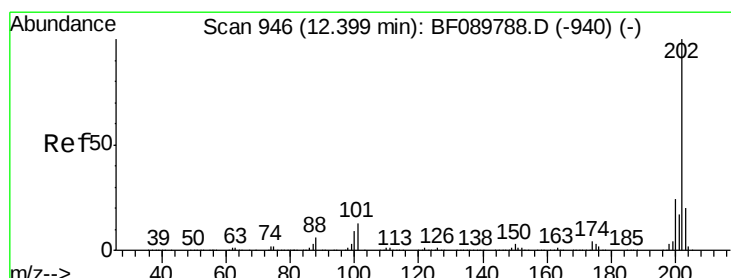
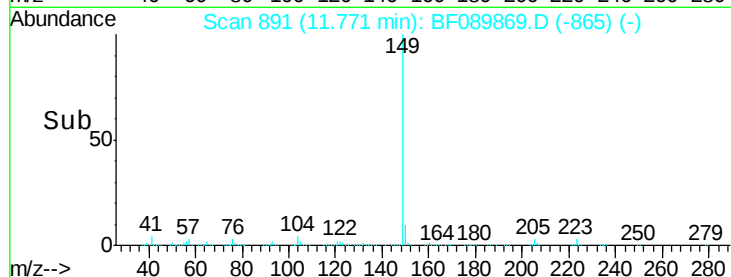
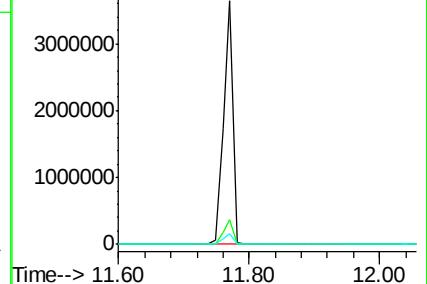
104 4.1 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 43.63 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

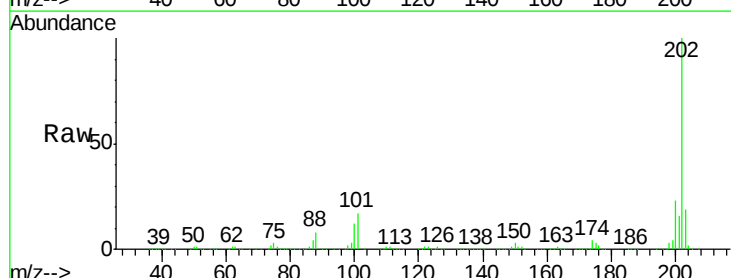
Tgt Ion:202 Resp: 3082103

Ion Ratio Lower Upper

202 100

101 16.7 0.0 31.2

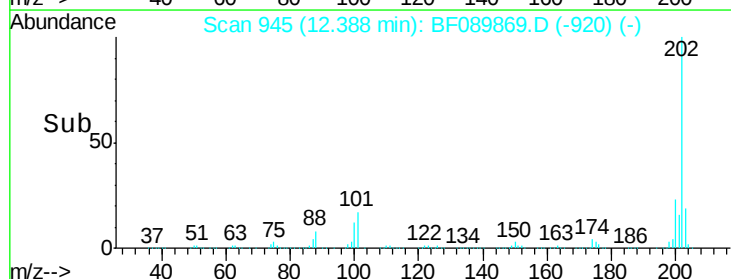
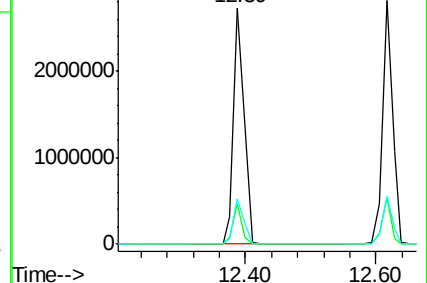
203 19.1 0.0 38.1

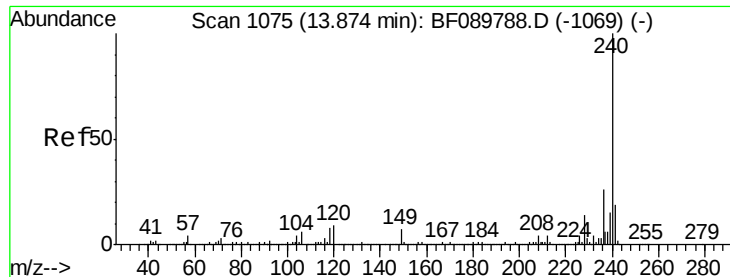


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

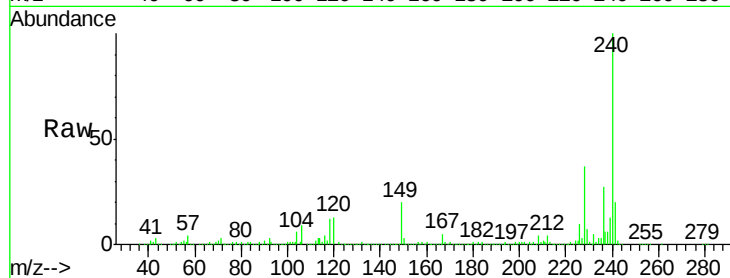
Tgt Ion:240 Resp: 1167438

Ion Ratio Lower Upper

240 100

120 13.3 8.3 12.5#

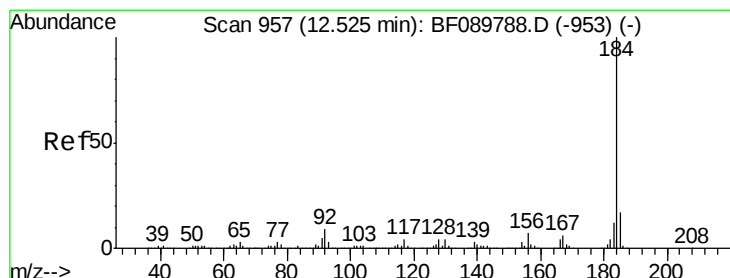
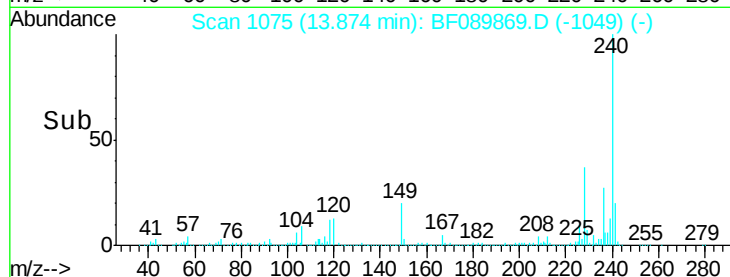
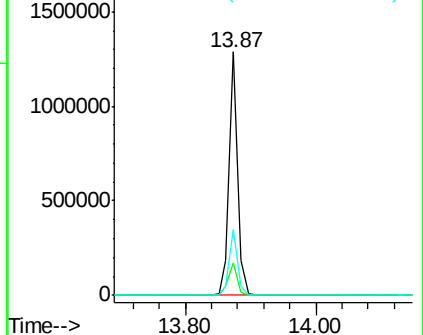
236 27.1 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 36.69 ng

RT: 12.53 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

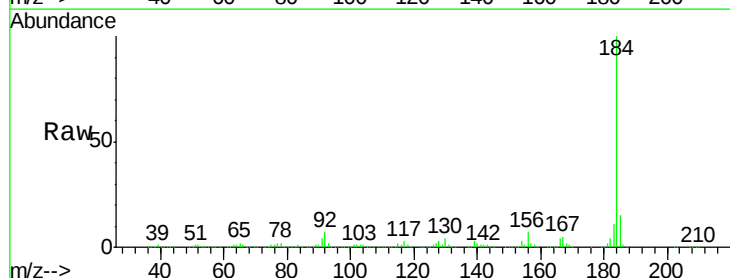
Tgt Ion:184 Resp: 1386296

Ion Ratio Lower Upper

184 100

185 15.3 13.8 20.8

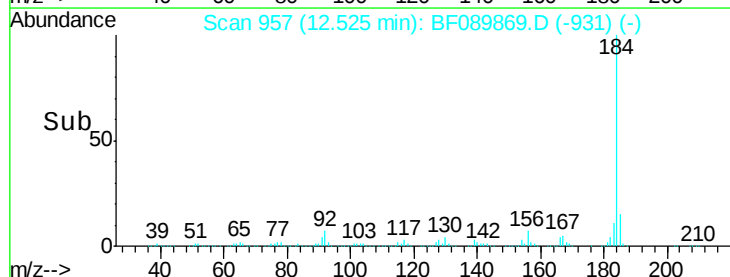
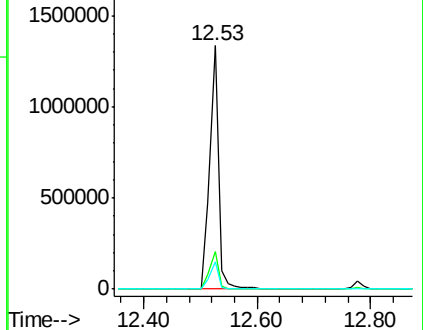
183 11.4 9.7 14.5

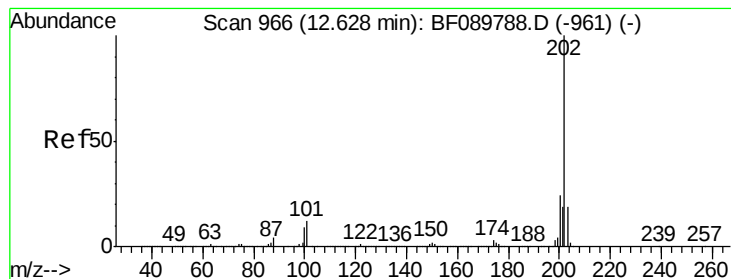


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 31.67 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

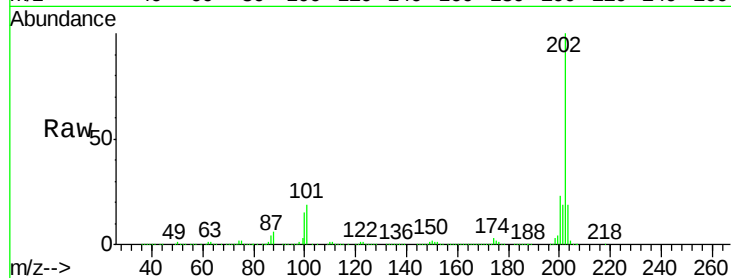
Tgt Ion:202 Resp: 3010795

Ion Ratio Lower Upper

202 100

200 23.2 17.8 26.6

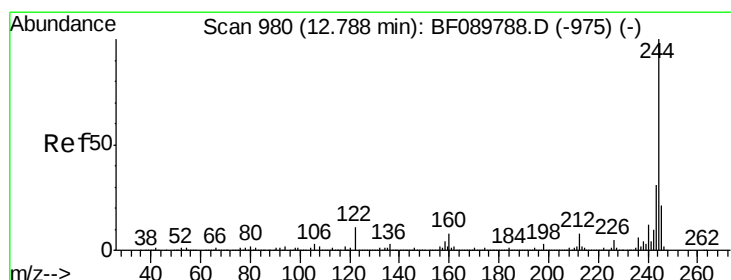
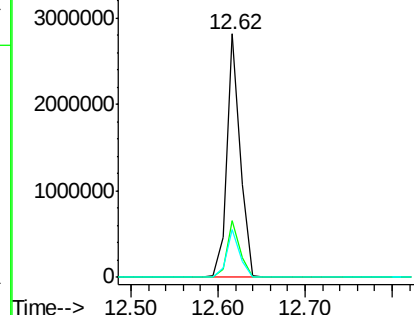
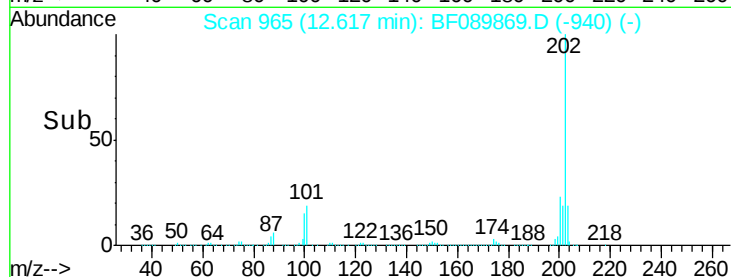
203 19.4 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 69.11 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

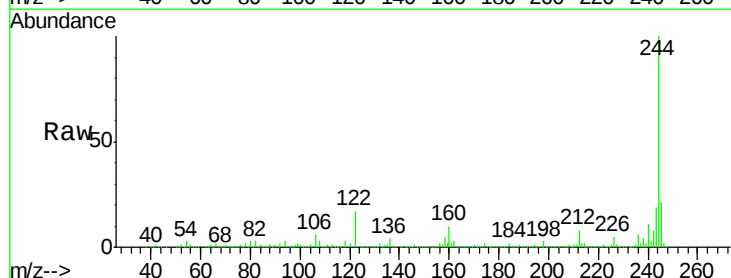
Tgt Ion:244 Resp: 3566204

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

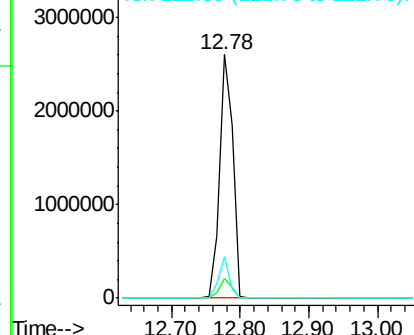
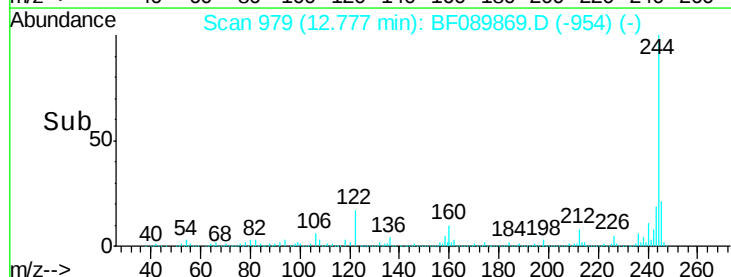
122 16.8 12.0 18.0

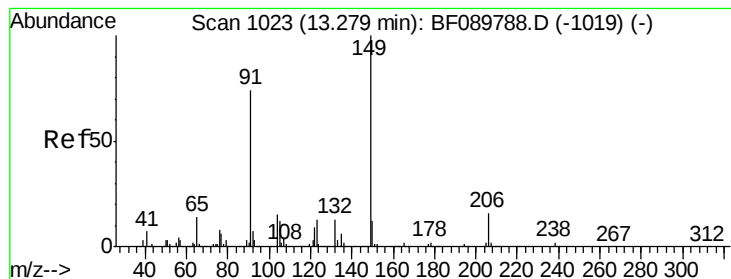


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 37.65 ng

RT: 13.28 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

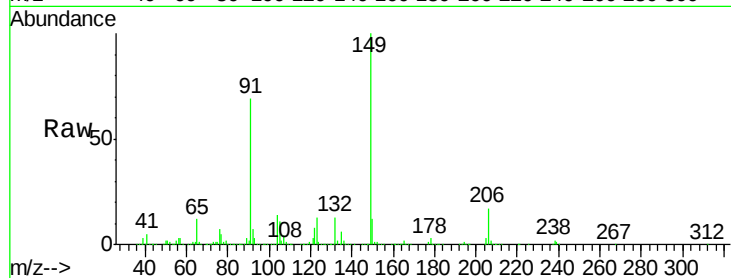
Tgt Ion:149 Resp: 1616521

Ion Ratio Lower Upper

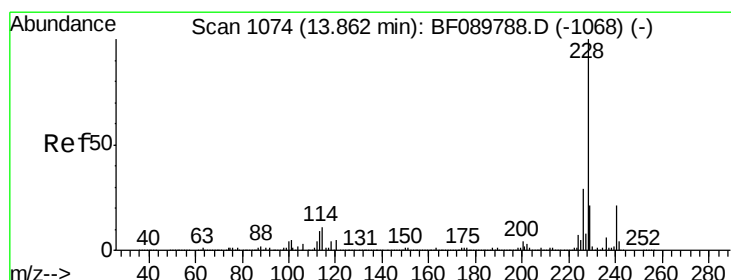
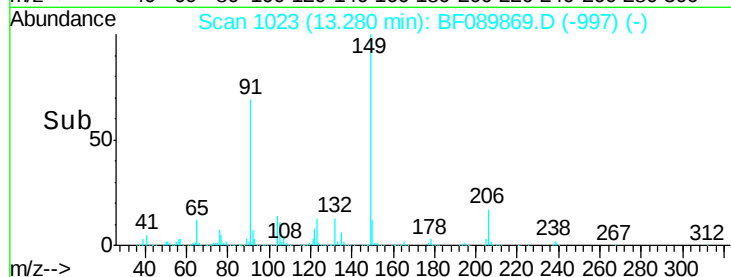
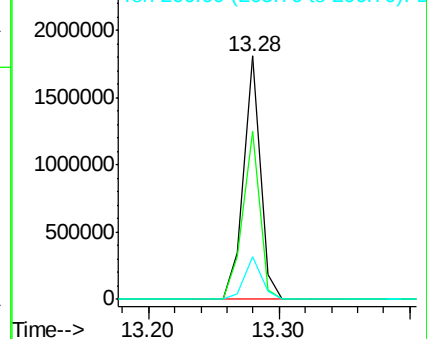
149 100

91 68.8 50.7 76.1

206 17.3 15.5 23.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 41.86 ng

RT: 13.86 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

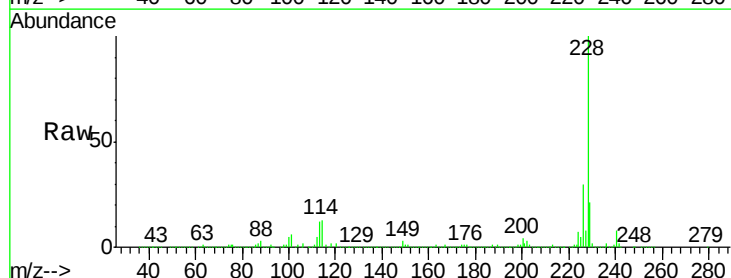
Tgt Ion:228 Resp: 2798506

Ion Ratio Lower Upper

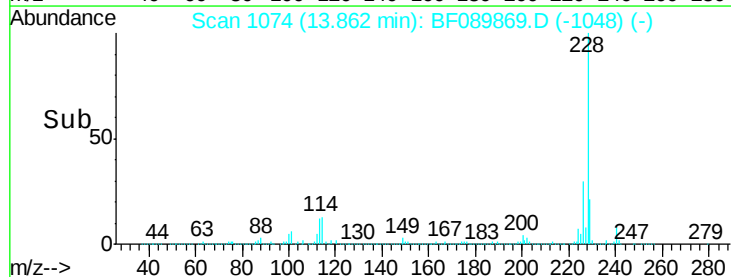
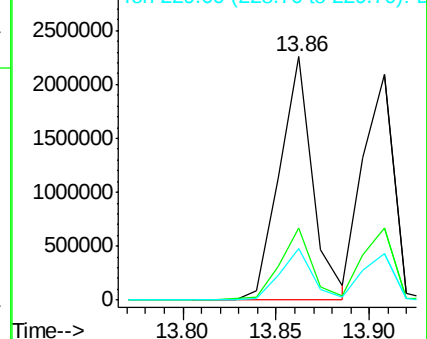
228 100

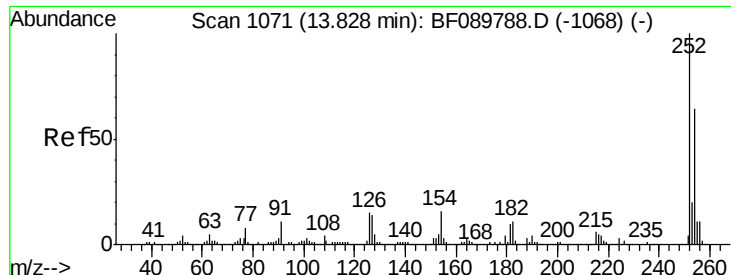
226 29.7 23.2 34.8

229 21.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

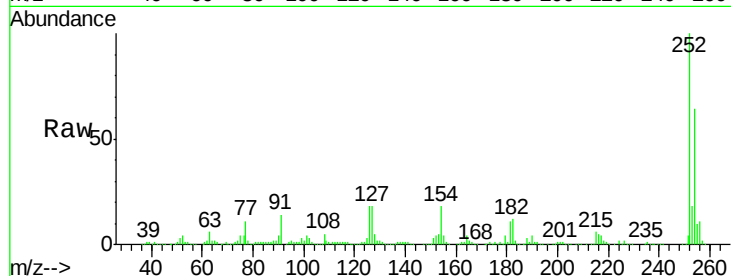




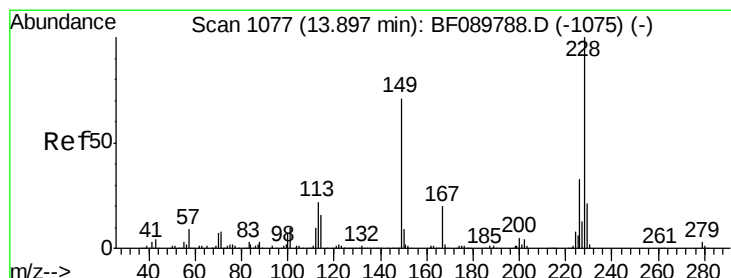
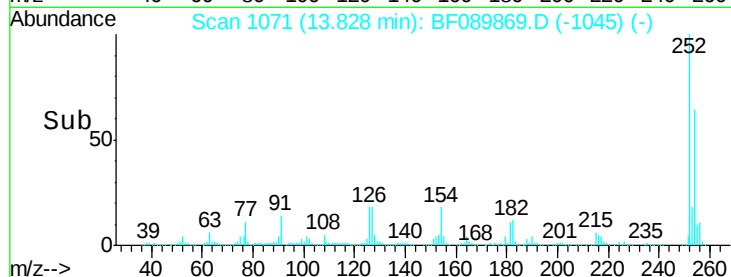
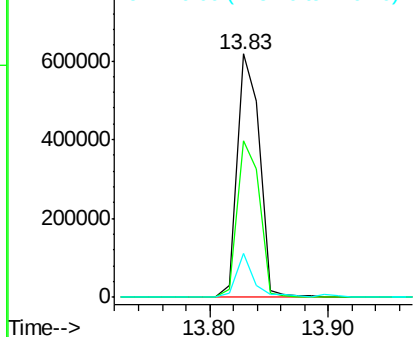
#81
 3,3'-Dichlorobenzidine
 Concen: 36.89 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. 0.00 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.5	50.6	75.8
126	17.9	12.6	18.8

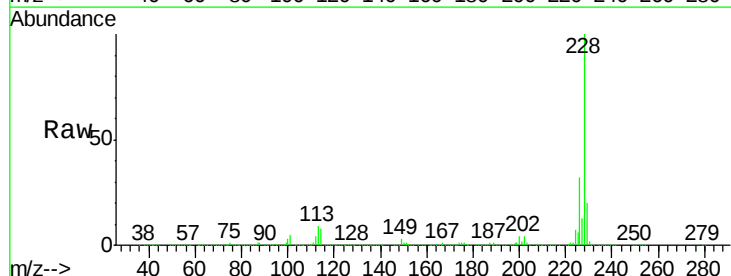


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

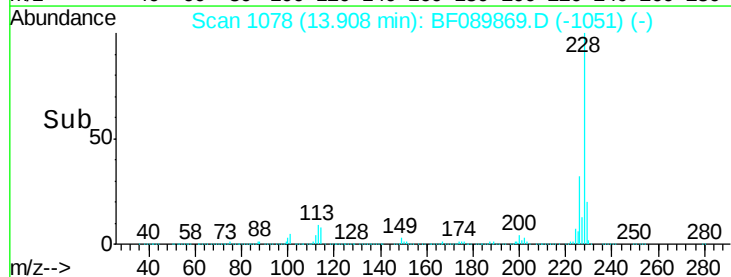
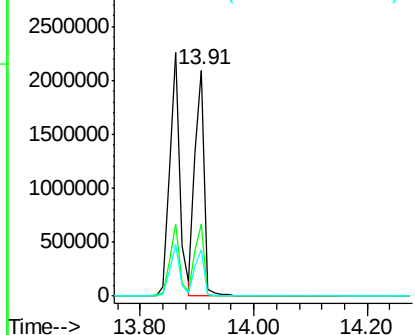


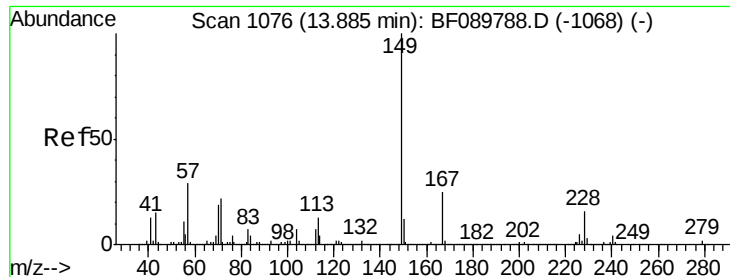
#82
 Chrysene
 Concen: 42.73 ng
 RT: 13.91 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.4	38.0
229	20.3	16.5	24.7



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

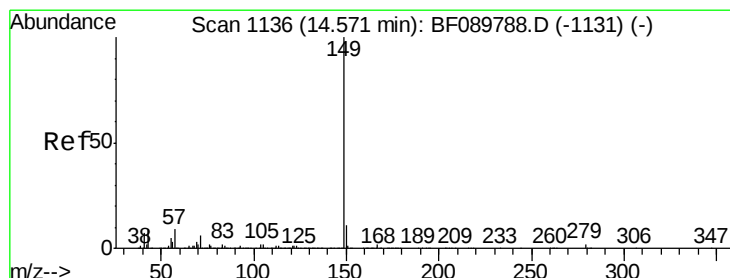
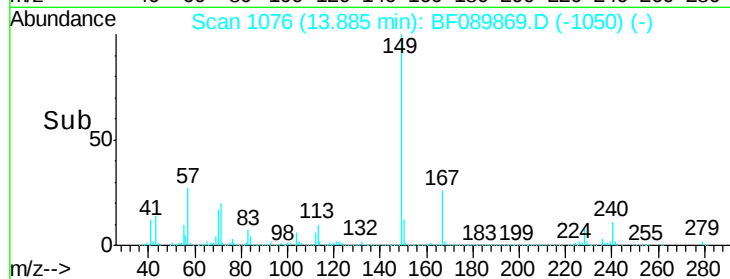
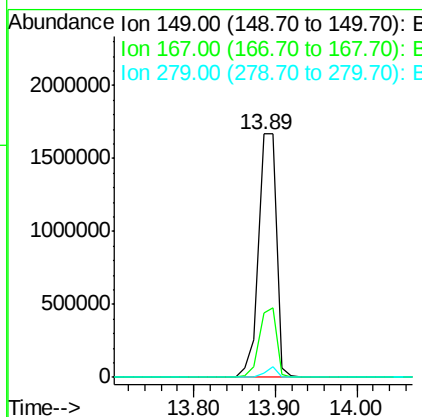
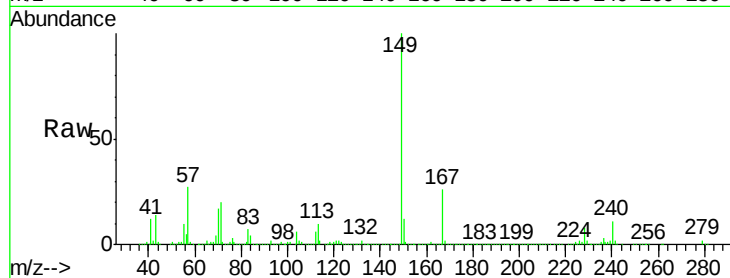




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.54 ng
 RT: 13.89 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

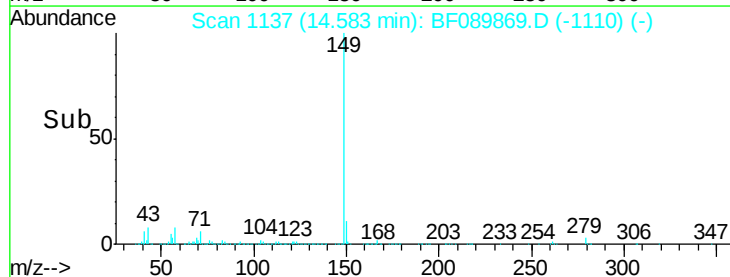
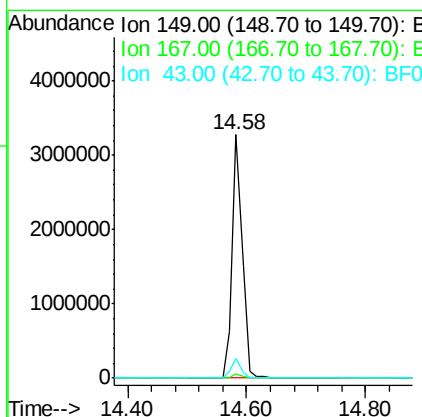
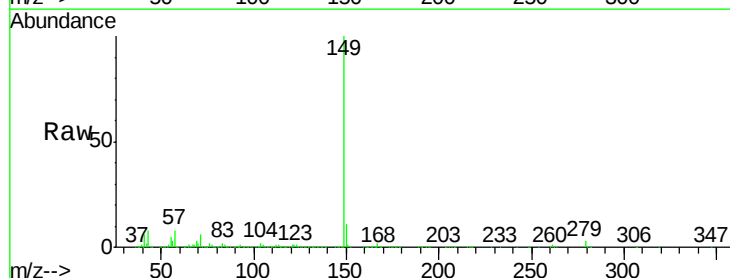
Instrument :
 BNA_F
 ClientSampleId :
 AST-1MS

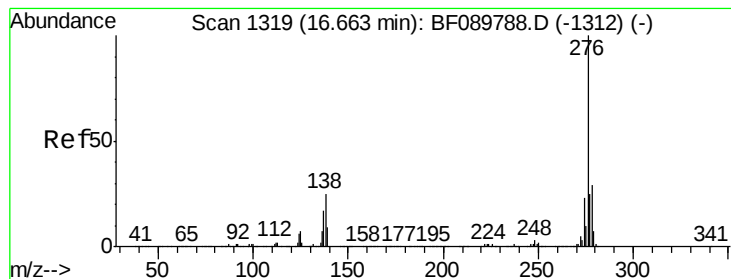
Tgt Ion:149 Resp: 2575355
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.2 31.8
 279 1.8 2.9 4.3#



#84
 Di-n-octyl phthalate
 Concen: 48.75 ng
 RT: 14.58 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: BF089869.D
 Acq: 24 Aug 2016 12:56

Tgt Ion:149 Resp: 3831538
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.2 1.8
 43 7.8 8.4 12.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 31.14 ng

RT: 16.69 min Scan# 1321

Delta R.T. 0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampled :

AST-1MS

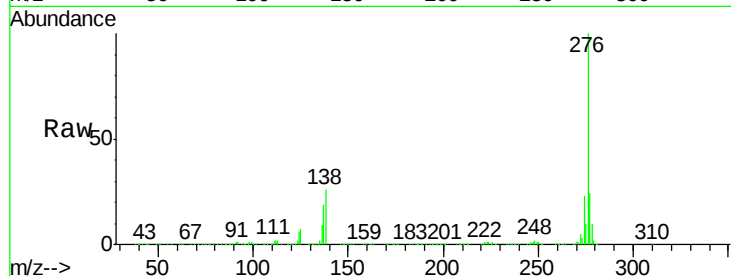
Tgt Ion:276 Resp: 2277243

Ion Ratio Lower Upper

276 100

138 30.8 24.6 36.8

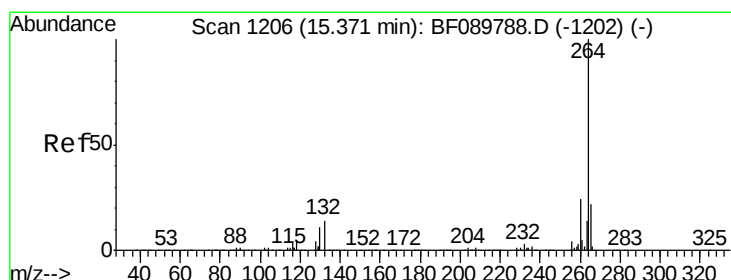
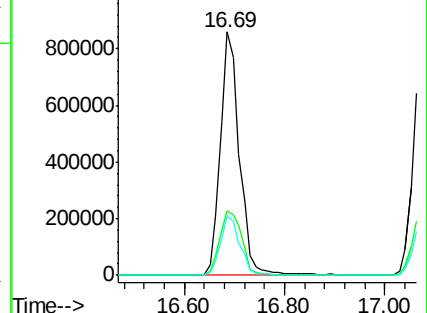
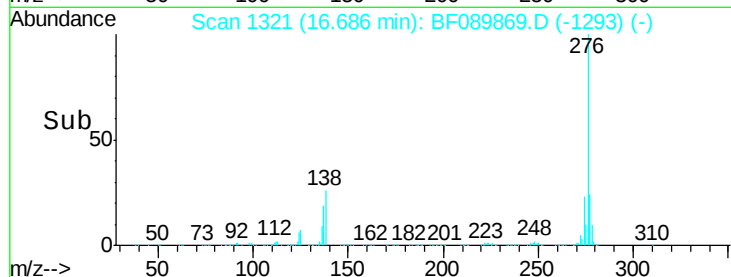
277 25.5 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1208

Delta R.T. 0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

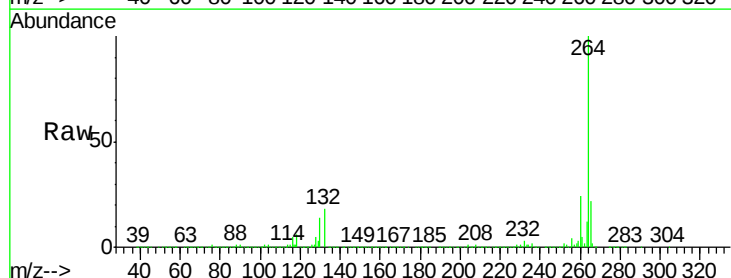
Tgt Ion:264 Resp: 1023726

Ion Ratio Lower Upper

264 100

260 24.0 20.2 30.2

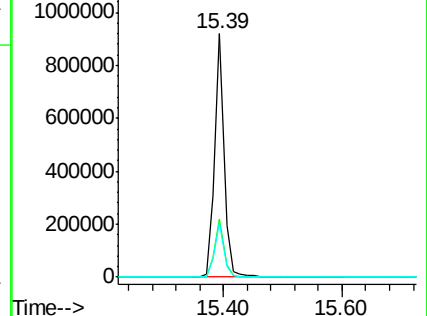
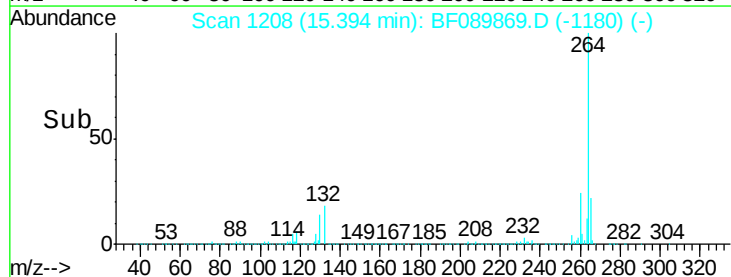
265 22.0 17.4 26.2

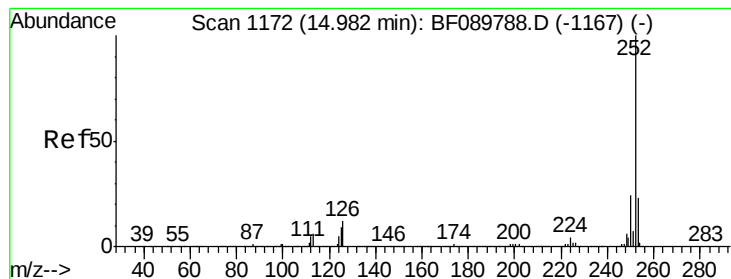


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 49.86 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

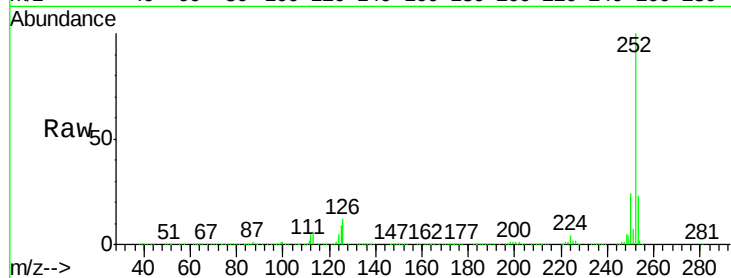
Tgt Ion:252 Resp: 2808189

Ion Ratio Lower Upper

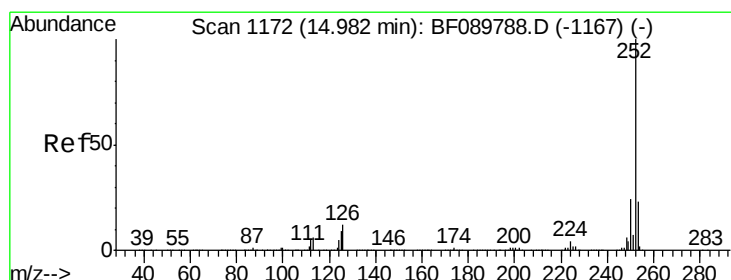
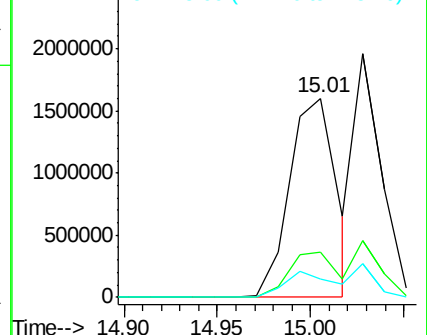
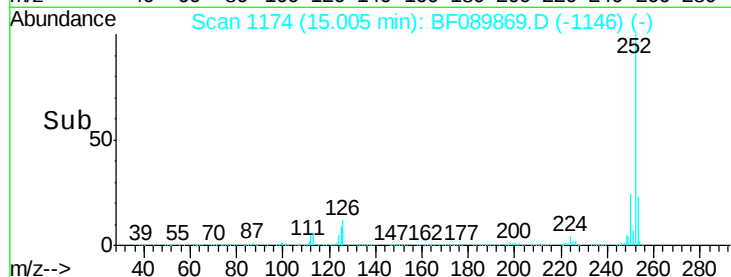
252 100

253 22.6 17.8 26.8

125 9.4 11.4 17.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 54.96 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

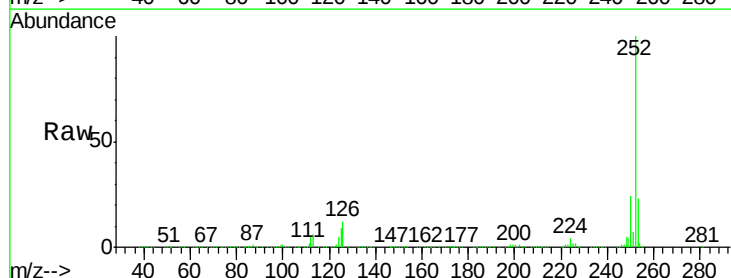
Tgt Ion:252 Resp: 2808189

Ion Ratio Lower Upper

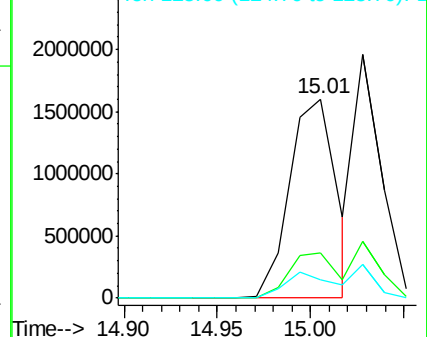
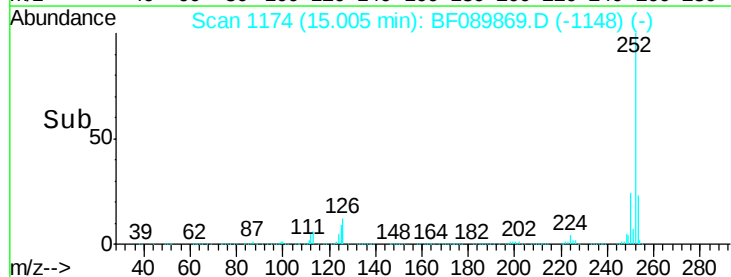
252 100

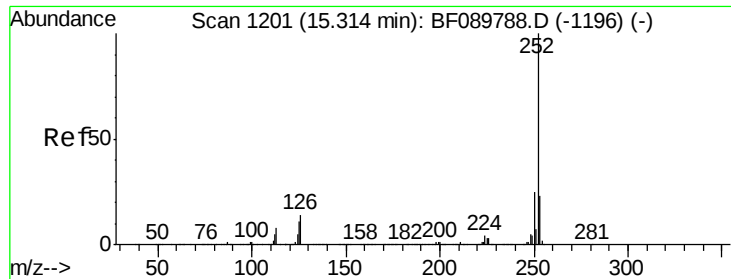
253 22.6 18.4 27.6

125 9.4 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

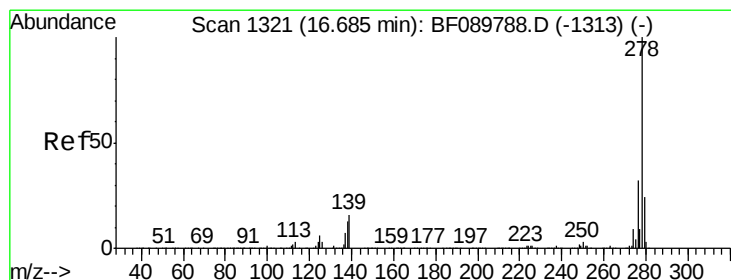
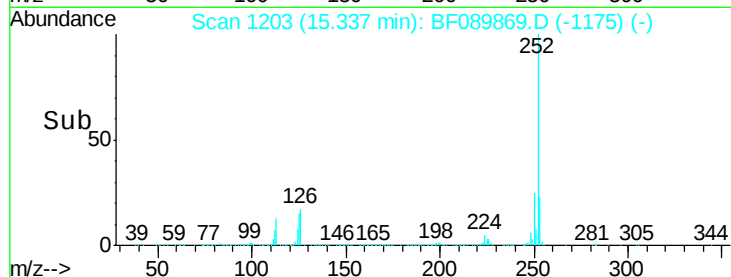
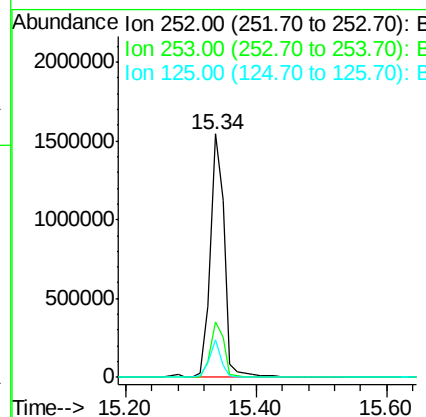
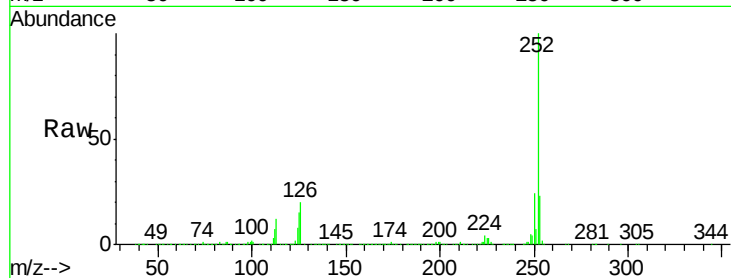




#89
Benzo(a)pyrene
Concen: 42.81 ng
RT: 15.34 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

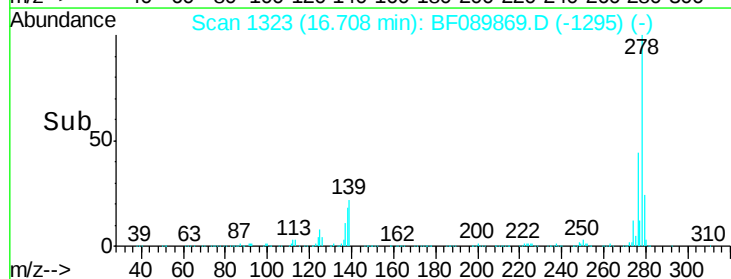
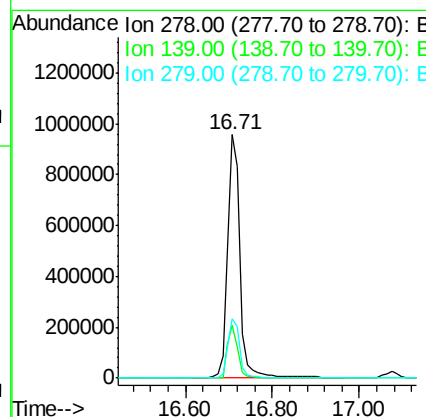
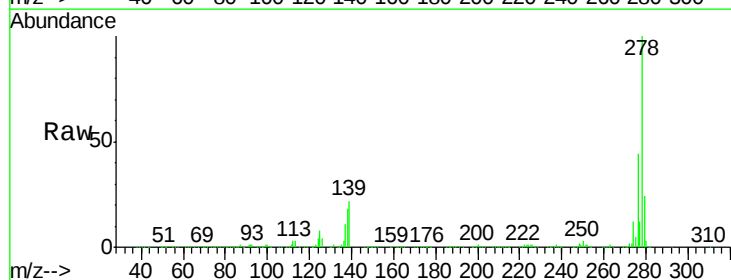
Instrument :
BNA_F
ClientSampleId :
AST-1MS

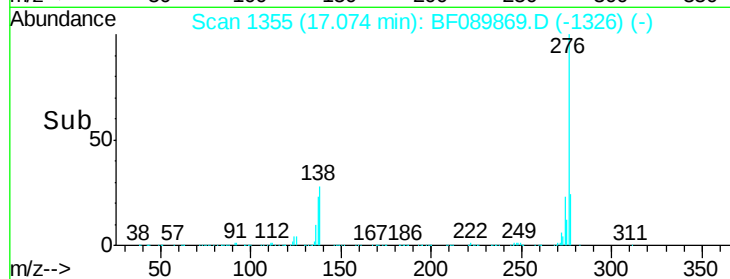
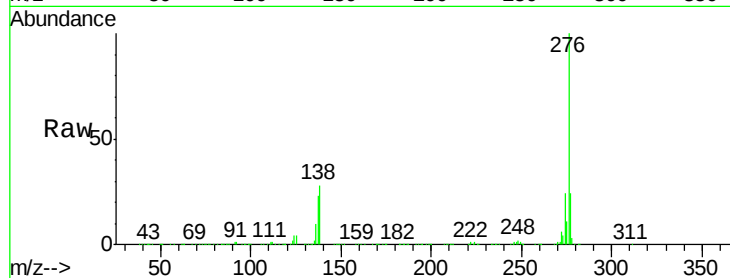
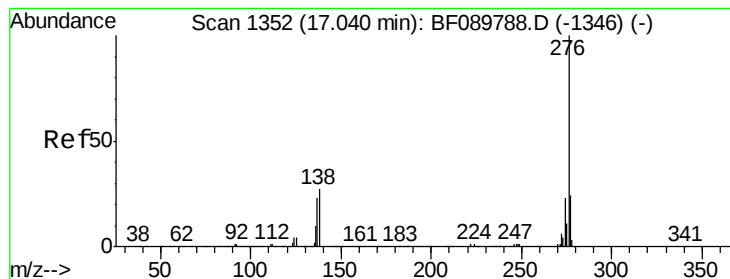
Tgt Ion:252 Resp: 2282113
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 15.4 11.7 17.5



#90
Dibenzo(a,h)anthracene
Concen: 32.72 ng
RT: 16.71 min Scan# 1323
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:278 Resp: 1892870
Ion Ratio Lower Upper
278 100
139 21.7 14.9 22.3
279 24.4 19.2 28.8





#91

Benzo(g,h,i)perylene

Concen: 31.42 ng

RT: 17.07 min Scan# 1355

Delta R.T. 0.03 min

Lab File: BF089869.D

Acq: 24 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

AST-1MS

Tgt Ion:276 Resp: 1914315

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 27.9 22.1 33.1

