

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089870.D
 Acq On : 24 Aug 2016 13:23
 Operator : UM/SJ
 Sample : H4551-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

Quant Time: Aug 25 12:15:56 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	6.66	152	389355	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1612727	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	719931	20.00	ng	-0.01
63) Phenanthrene-d10	11.19	188	1386337	20.00	ng	0.00
75) Chrysene-d12	13.86	240	1161495	20.00	ng	-0.01
86) Perylene-d12	15.37	264	1001746	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	2282882	100.55	ng	-0.01
7) Phenol-d6	6.31	99	2974028	106.71	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1700871	65.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	662318	96.80	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3333214	81.37	ng	-0.01
78) Terphenyl-d14	12.78	244	2777312	54.10	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.17	88	342840	30.51	ng	98
3) Pyridine	2.80	79	870678	29.54	ng	95
4) n-Nitrosodimethylamine	2.75	42	396409	36.13	ng	# 86
6) Aniline	6.32	93	1017586	27.22	ng	# 1
8) 2-Chlorophenol	6.44	128	890658	32.80	ng	98
9) Benzaldehyde	6.20	77	219603	12.10	ng	88
10) Phenol	6.32	94	1286053	39.37	ng	99
11) bis(2-Chloroethyl)ether	6.41	93	1010684	39.90	ng	97
12) 1,3-Dichlorobenzene	6.60	146	985969	34.74	ng	97
13) 1,4-Dichlorobenzene	6.68	146	1047230	35.89	ng	98
14) 1,2-Dichlorobenzene	6.68	146	1047230	38.45	ng	98
15) Benzyl Alcohol	6.81	79	675596	36.55	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.96	45	1029447	31.76	ng	94
17) 2-Methylphenol	6.94	107	819432	38.53	ng	95
18) Hexachloroethane	7.19	117	354396	34.06	ng	# 86
19) n-Nitroso-di-n-propylamine	7.10	70	684859	38.42	ng	# 85
20) 3+4-Methylphenols	7.08	107	929029	35.63	ng	# 89
22) Acetophenone	7.08	105	1214350	32.79	ng	# 89
24) Nitrobenzene	7.26	77	1031726	35.42	ng	# 86
25) Isophorone	7.50	82	1771051	33.83	ng	95
26) 2-Nitrophenol	7.58	139	508323	34.98	ng	97
27) 2,4-Dimethylphenol	7.62	122	928994	35.47	ng	99
28) bis(2-Chloroethoxy)methane	7.71	93	1054118	32.54	ng	99
29) 2,4-Dichlorophenol	7.82	162	836694	38.07	ng	99
30) 1,2,4-Trichlorobenzene	7.90	180	787964	32.42	ng	98
31) Naphthalene	7.98	128	2664320	35.35	ng	100
32) Benzoic acid	7.62	122	928994	45.52	ng	# 11
33) 4-Chloroaniline	8.02	127	674371	20.64	ng	# 85
34) Hexachlorobutadiene	8.10	225	408543	32.10	ng	99
35) Caprolactam	8.38	113	216485	32.35	ng	# 81
36) 4-Chloro-3-methylphenol	8.51	107	778742	32.72	ng	93
37) 2-Methylnaphthalene	8.67	142	1800503	36.92	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	619134	26.56	ng	99
40) Hexachlorocyclopentadiene	8.83	237	706184	87.25	ng	97

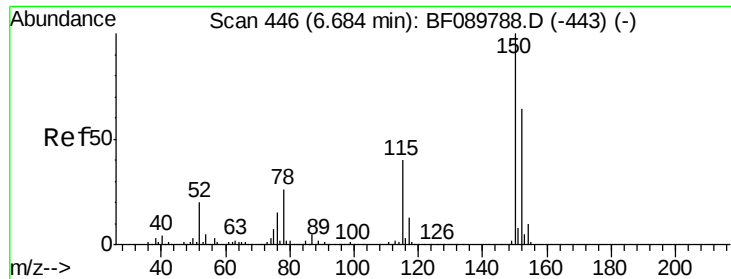
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089870.D
 Acq On : 24 Aug 2016 13:23
 Operator : UM/SJ
 Sample : H4551-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

Quant Time: Aug 25 12:15:56 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	556186	37.92	ng	99
43) 2,4,5-Trichlorophenol	8.98	196	504740	34.60	ng	# 88
45) 1,1'-Biphenyl	9.13	154	1723821	30.94	ng	99
46) 2-Chloronaphthalene	9.15	162	1551951	35.24	ng	97
47) 2-Nitroaniline	9.24	65	449967	35.82	ng	99
48) Acenaphthylene	9.56	152	2391833	36.14	ng	99
49) Dimethylphthalate	9.45	163	2899222	57.19	ng	# 98
50) 2,6-Dinitrotoluene	9.50	165	384160	32.82	ng	93
51) Acenaphthene	9.74	154	1417801	32.37	ng	99
52) 3-Nitroaniline	9.66	138	376193	29.01	ng	98
53) 2,4-Dinitrophenol	9.76	184	17832	6.25	ng	96
54) Dibenzofuran	9.91	168	2150674	39.09	ng	96
55) 4-Nitrophenol	9.83	139	684527	64.68	ng	96
56) 2,4-Dinitrotoluene	9.90	165	549007	36.15	ng	# 76
57) Fluorene	10.25	166	1554230	35.45	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	404357	38.09	ng	90
59) Diethylphthalate	10.15	149	1944237	37.76	ng	96
60) 4-Chlorophenyl-phenylether	10.25	204	694997	34.75	ng	97
61) 4-Nitroaniline	10.27	138	513818	42.27	ng	93
62) Azobenzene	10.41	77	1934357	39.96	ng	94
64) 4,6-Dinitro-2-methylphenol	10.30	198	126539	15.88	ng	88
65) n-Nitrosodiphenylamine	10.36	169	1537055	35.26	ng	99
66) 4-Bromophenyl-phenylether	10.74	248	515236	35.45	ng	# 93
67) Hexachlorobenzene	10.80	284	560797	33.82	ng	# 93
68) Atrazine	10.90	200	454250	34.03	ng	98
69) Pentachlorophenol	10.99	266	521044	55.44	ng	98
70) Phenanthrene	11.21	178	2796793	39.94	ng	99
71) Anthracene	11.26	178	2469533	34.70	ng	99
72) Carbazole	11.42	167	2577696	40.38	ng	97
73) Di-n-butylphthalate	11.77	149	2977314	37.28	ng	# 97
74) Fluoranthene	12.39	202	2582656	38.78	ng	96
76) Benzidine	12.51	184	1036215	27.57	ng	98
77) Pyrene	12.62	202	2683973	28.38	ng	98
79) Butylbenzylphthalate	13.27	149	1299462	30.42	ng	# 85
80) Benzo(a)anthracene	13.85	228	2334389	35.09	ng	100
81) 3,3'-Dichlorobenzidine	13.82	252	700935	32.14	ng	99
82) Chrysene	13.90	228	2049374	35.94	ng	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	2091764	35.55	ng	98
84) Di-n-octyl phthalate	14.57	149	3197968	40.90	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.66	276	1885890	25.92	ng	99
87) Benzo(b)fluoranthene	14.98	252	2200220	39.93	ng	# 96
88) Benzo(k)fluoranthene	14.98	252	2200220	44.00	ng	98
89) Benzo(a)pyrene	15.31	252	1909494	36.61	ng	98
90) Dibenzo(a,h)anthracene	16.69	278	1555839	27.48	ng	98
91) Benzo(g,h,i)perylene	17.05	276	1558984	26.15	ng	95

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

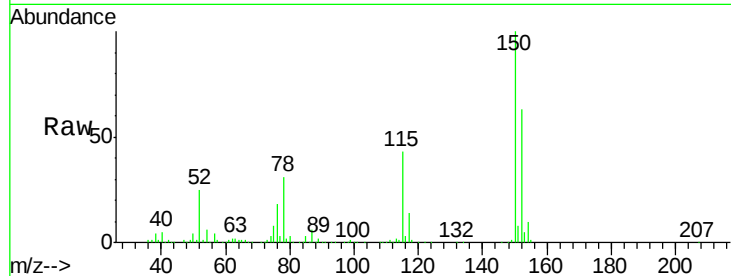


#1

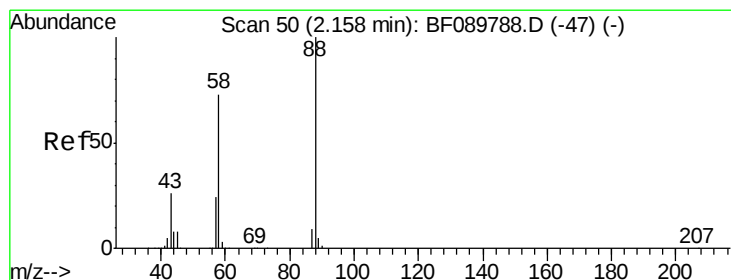
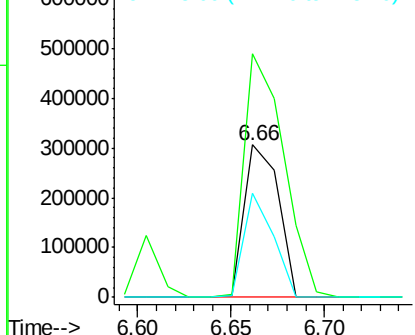
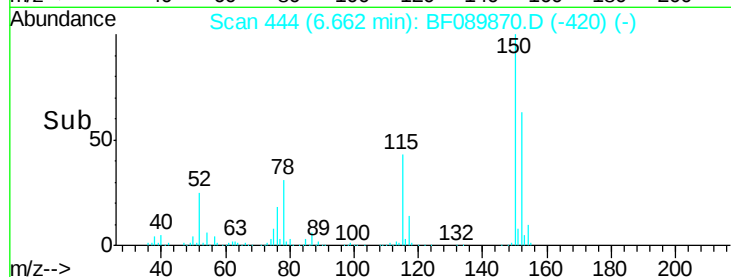
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.02 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Instrument :
BNA_F
ClientSampleId :
AST-1MSD

Tgt Ion:152 Resp: 389355
Ion Ratio Lower Upper
152 100
150 159.7 125.3 187.9
115 67.9 40.9 61.3#



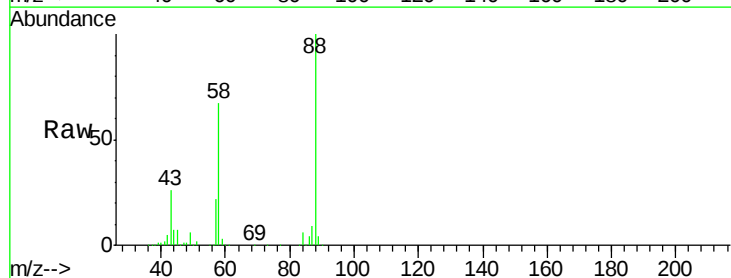
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



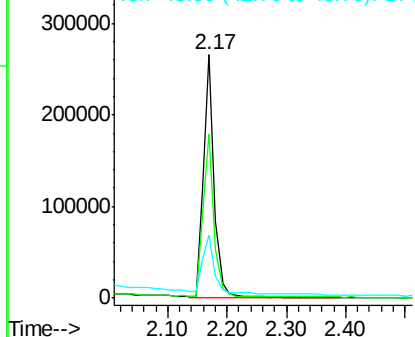
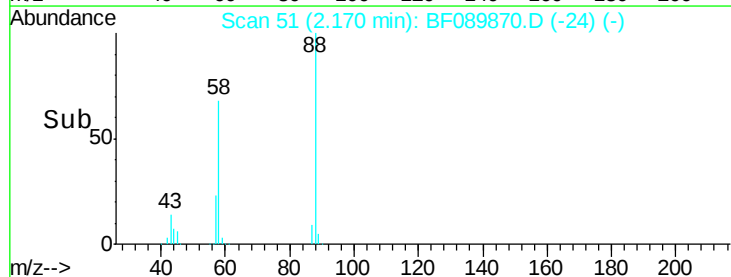
#2

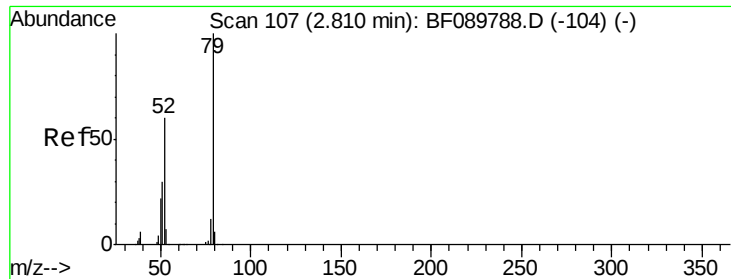
1,4-Dioxane
Concen: 30.51 ng
RT: 2.17 min Scan# 51
Delta R.T. 0.01 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Tgt Ion: 88 Resp: 342840
Ion Ratio Lower Upper
88 100
58 69.6 57.0 85.4
43 29.2 21.8 32.8



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 29.54 ng

RT: 2.80 min Scan# 106

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

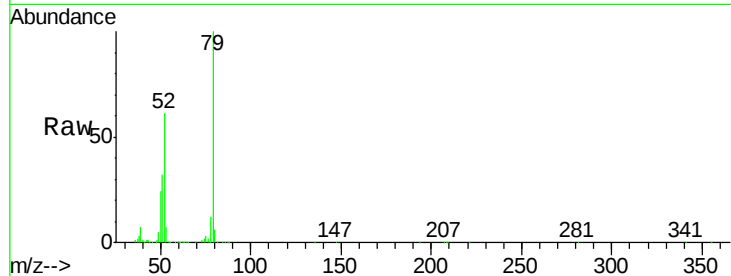
Tgt Ion: 79 Resp: 870678

Ion Ratio Lower Upper

79 100

52 61.4 53.6 80.4

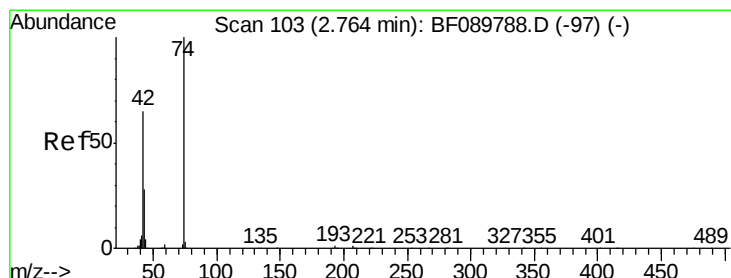
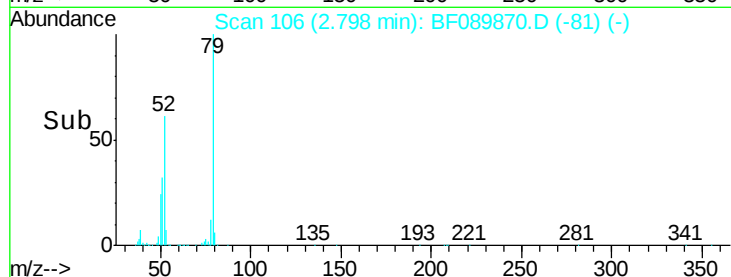
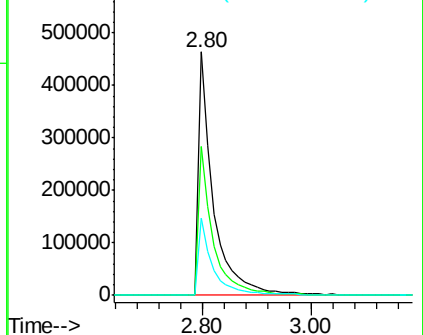
51 31.9 26.6 39.8



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: 36.13 ng

RT: 2.75 min Scan# 102

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

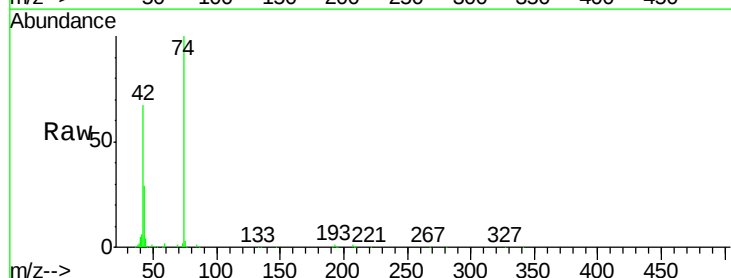
Tgt Ion: 42 Resp: 396409

Ion Ratio Lower Upper

42 100

74 149.9 106.2 159.2

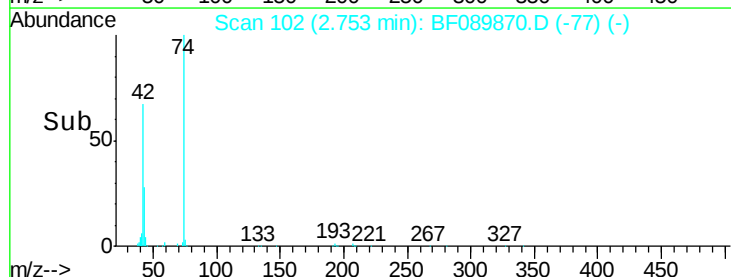
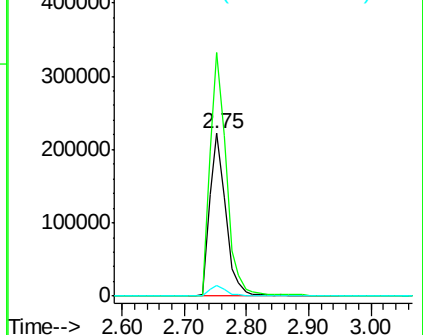
44 6.5 6.9 10.3#

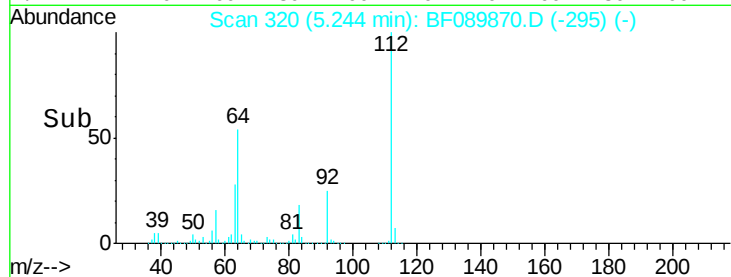
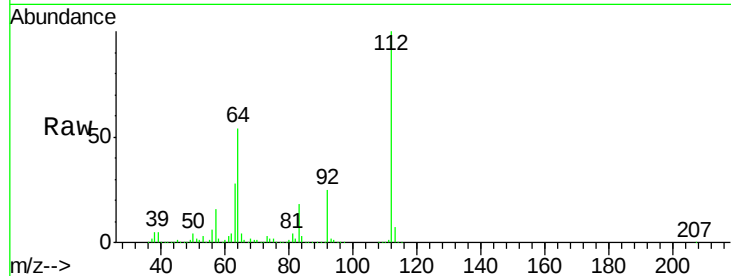
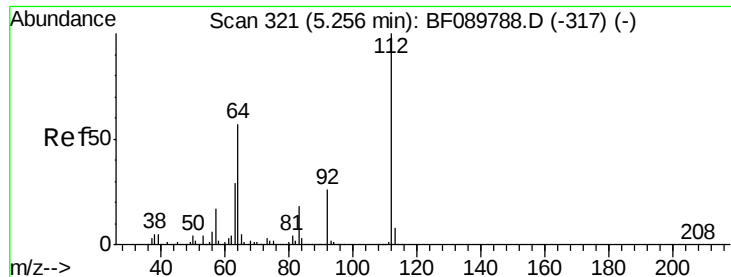


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 100.55 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

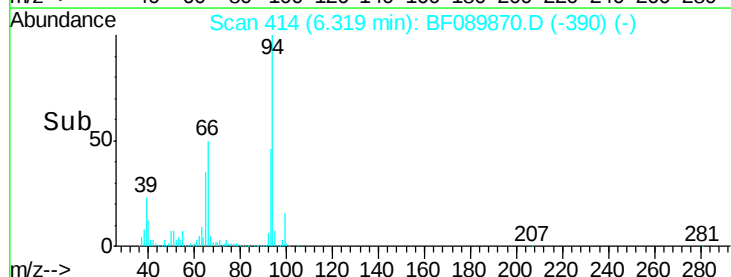
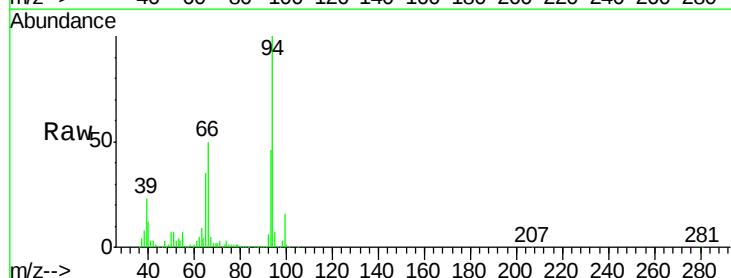
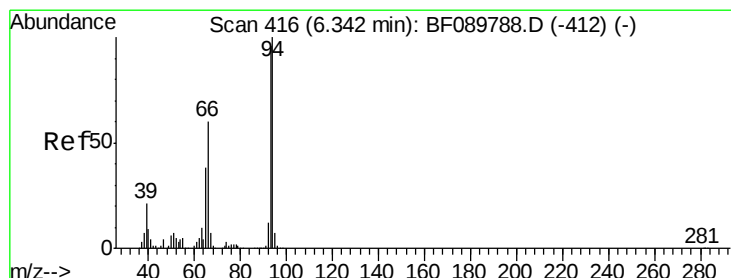
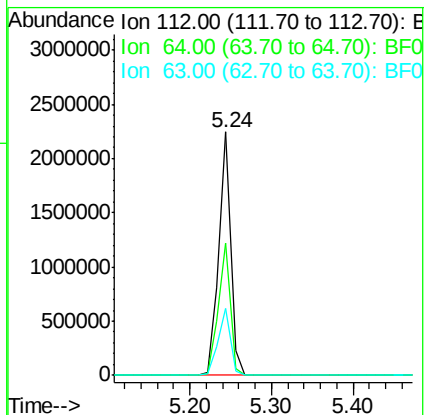
Tgt Ion:112 Resp: 2282882

Ion Ratio Lower Upper

112 100

64 54.1 45.0 67.4

63 27.5 23.1 34.7



#6

Aniline

Concen: 27.22 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

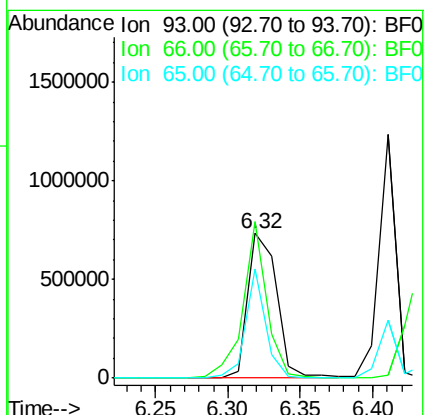
Tgt Ion: 93 Resp: 1017586

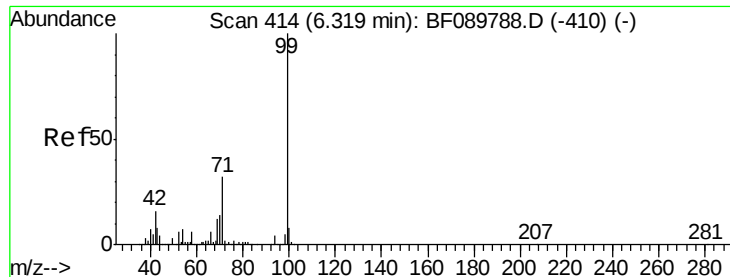
Ion Ratio Lower Upper

93 100

66 108.4 30.6 46.0#

65 75.0 15.4 23.2#





#7

Phenol-d6

Concen: 106.71 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

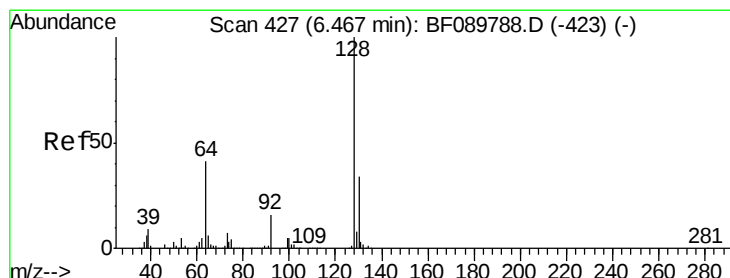
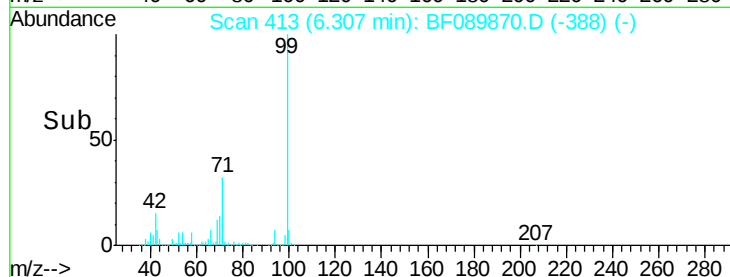
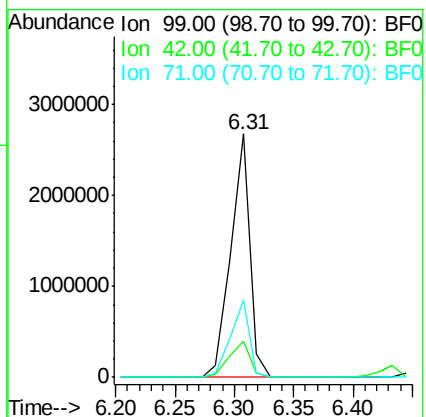
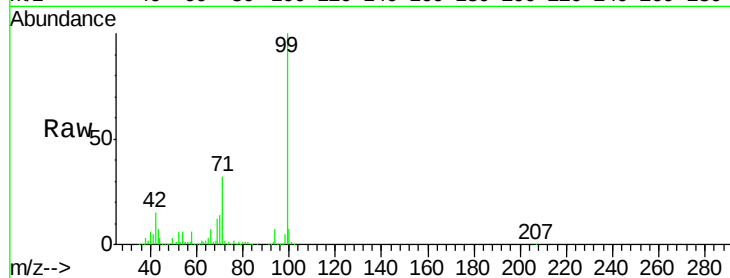
Tgt Ion: 99 Resp: 2974028

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.4

71 31.6 23.8 35.8



#8

2-Chlorophenol

Concen: 32.80 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

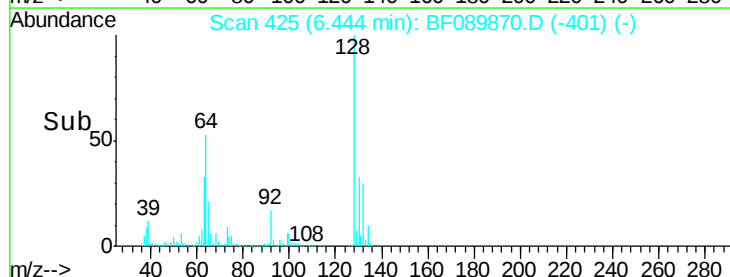
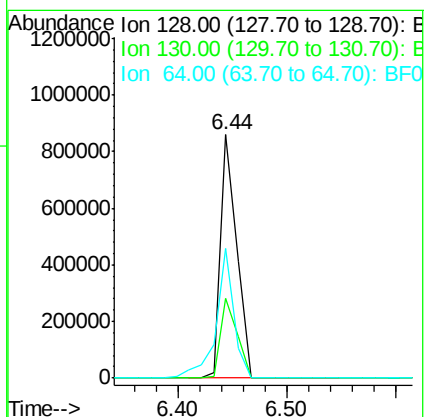
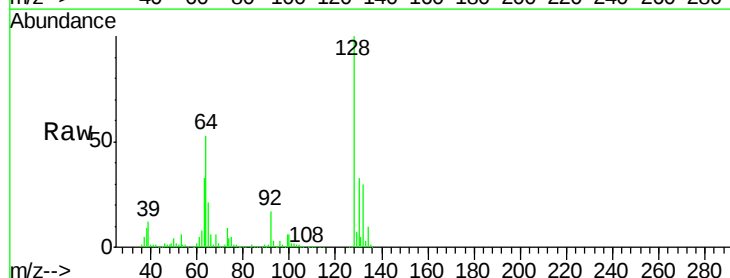
Tgt Ion: 128 Resp: 890658

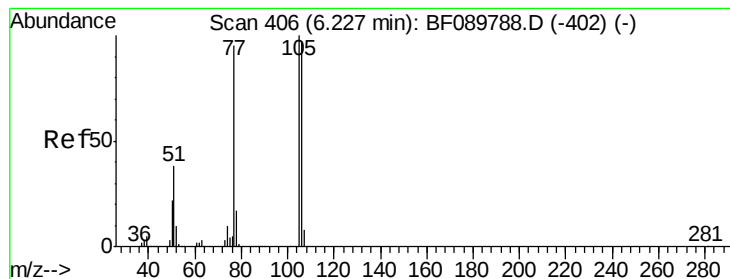
Ion Ratio Lower Upper

128 100

130 32.6 12.0 52.0

64 53.4 35.1 75.1





#9

Benzaldehyde

Concen: 12.10 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

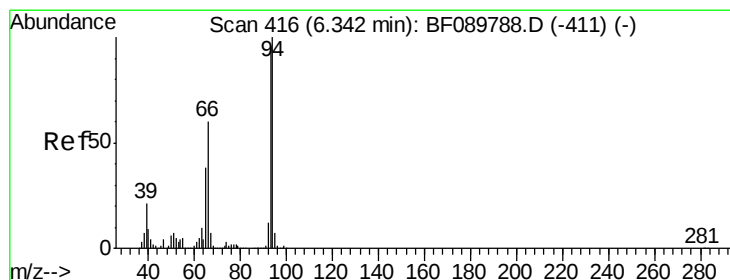
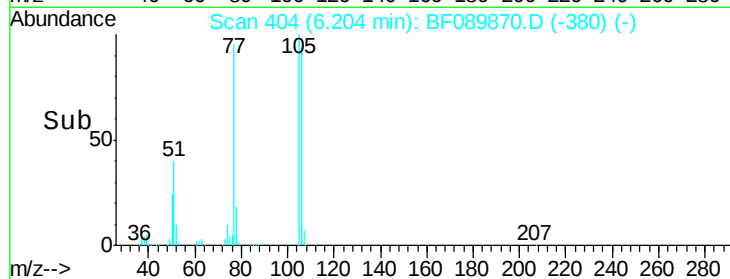
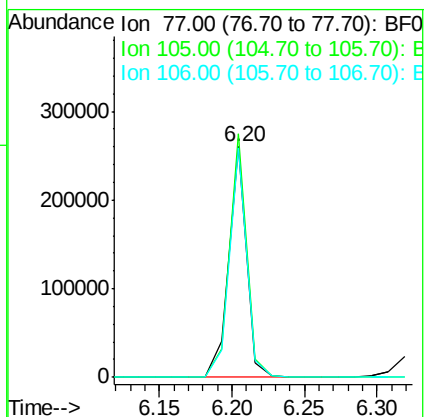
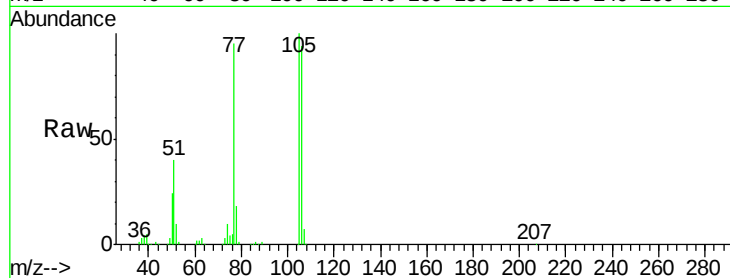
Tgt Ion: 77 Resp: 219603

Ion Ratio Lower Upper

77 100

105 105.7 73.3 113.3

106 99.6 68.6 108.6



#10

Phenol

Concen: 39.37 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

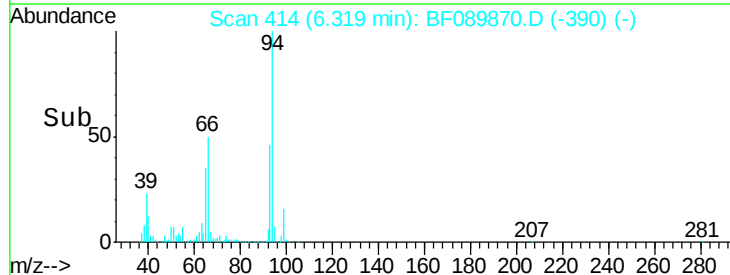
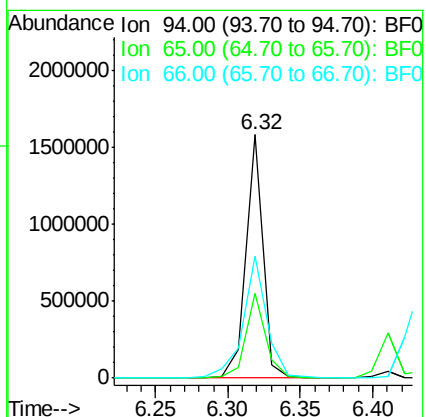
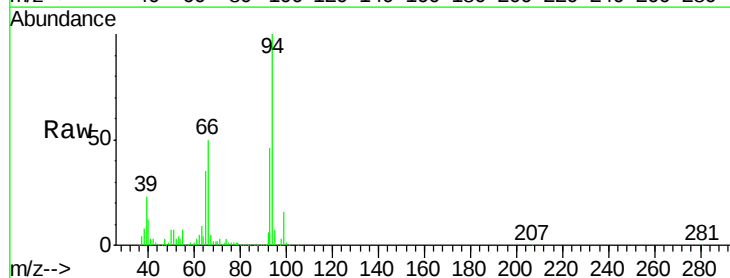
Tgt Ion: 94 Resp: 1286053

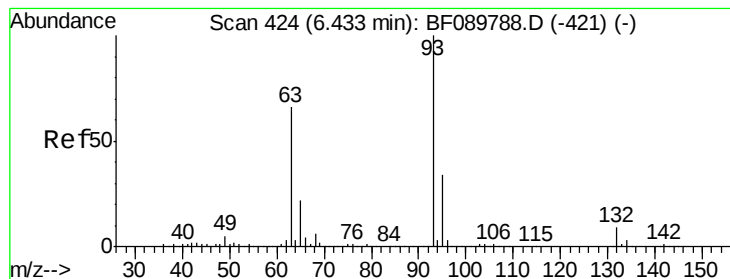
Ion Ratio Lower Upper

94 100

65 34.8 14.0 54.0

66 50.3 31.2 71.2





#11

bis(2-Chloroethyl)ether

Concen: 39.90 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

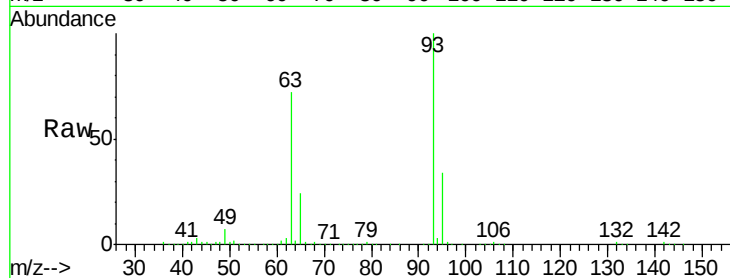
Tgt Ion: 93 Resp: 1010684

Ion Ratio Lower Upper

93 100

63 72.1 55.8 95.8

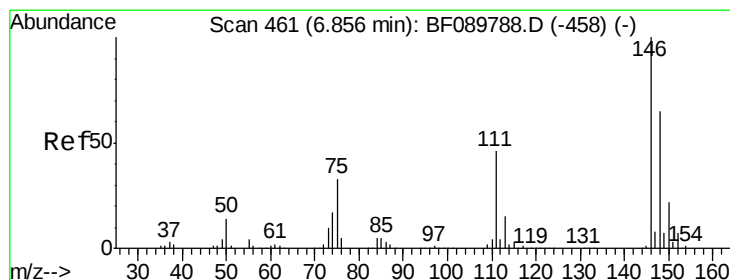
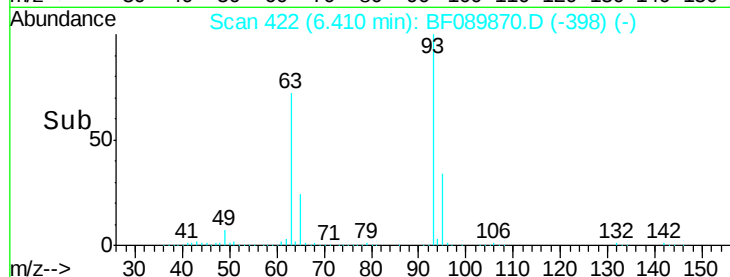
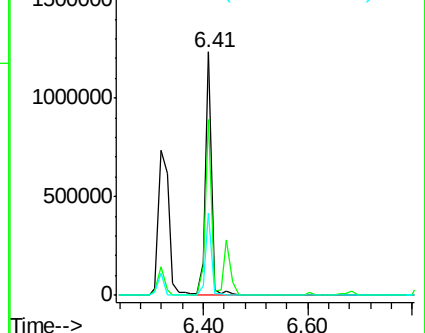
95 33.7 13.0 53.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 34.74 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

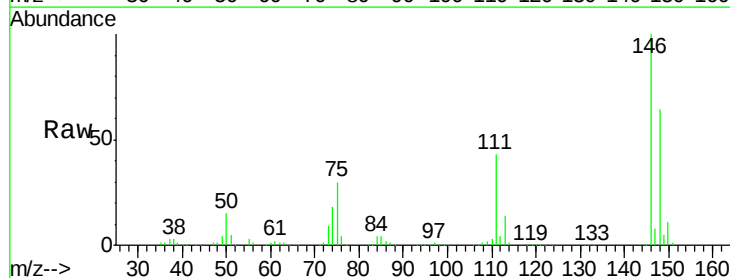
Tgt Ion: 146 Resp: 985969

Ion Ratio Lower Upper

146 100

148 64.5 51.0 76.4

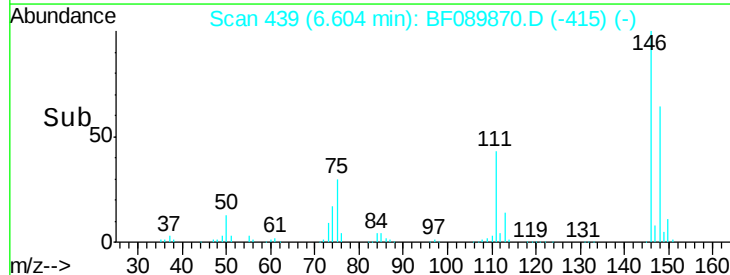
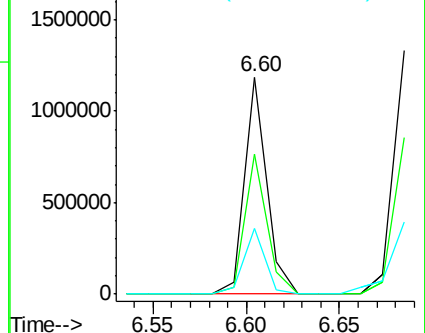
75 30.2 27.0 40.6

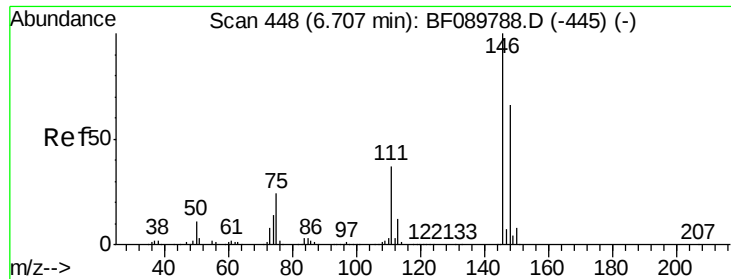


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

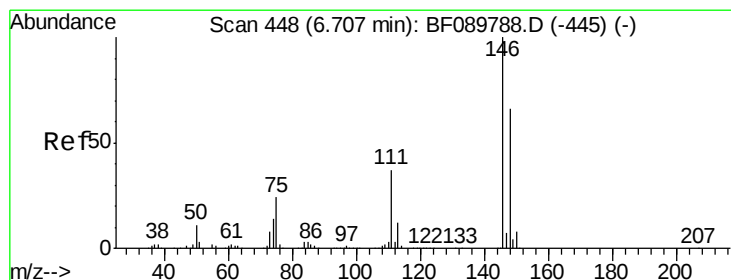
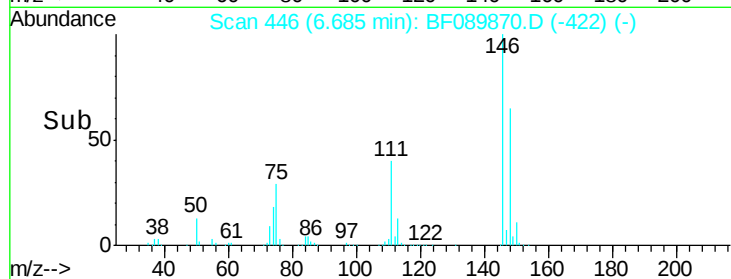
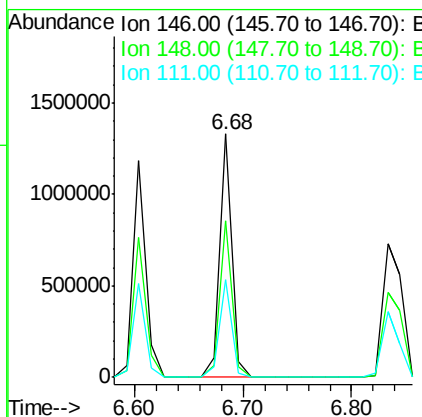
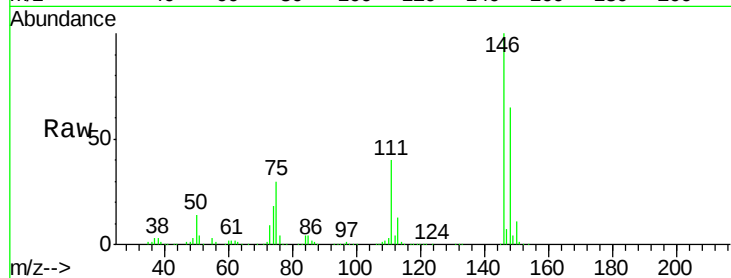




#13
 1,4-Dichlorobenzene
 Concen: 35.89 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

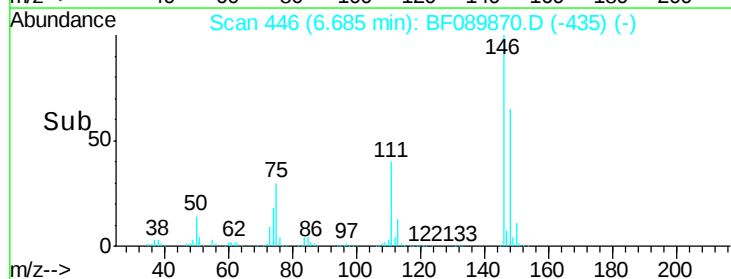
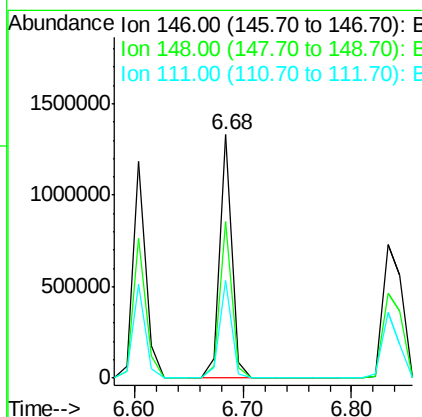
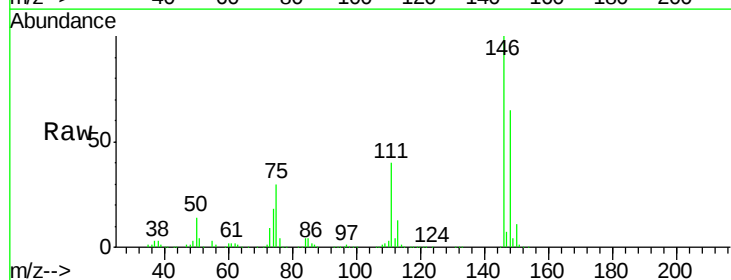
Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

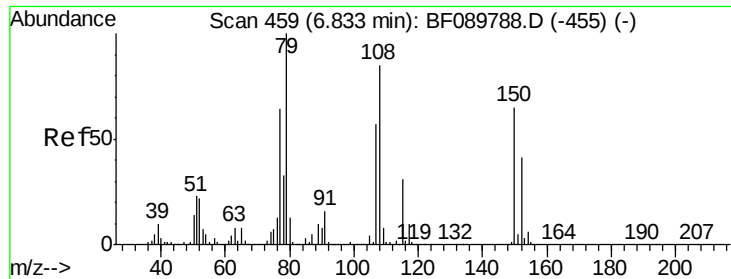
Tgt Ion:146 Resp: 1047230
 Ion Ratio Lower Upper
 146 100
 148 64.5 51.0 76.6
 111 40.4 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 38.45 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.17 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion:146 Resp: 1047230
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.2 78.2
 111 40.4 29.8 44.6





#15

Benzyl Alcohol

Concen: 36.55 ng

RT: 6.81 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

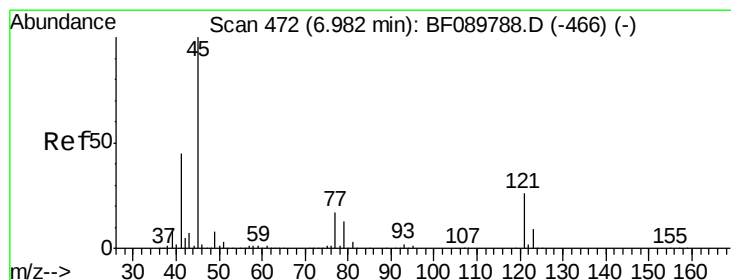
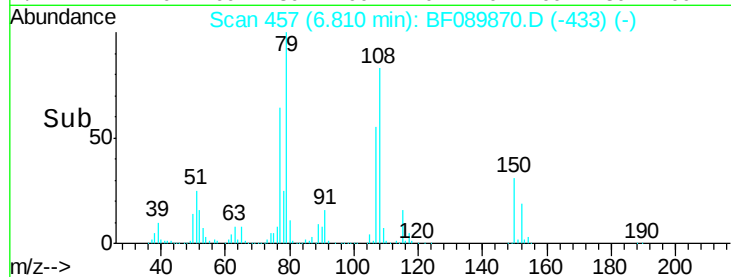
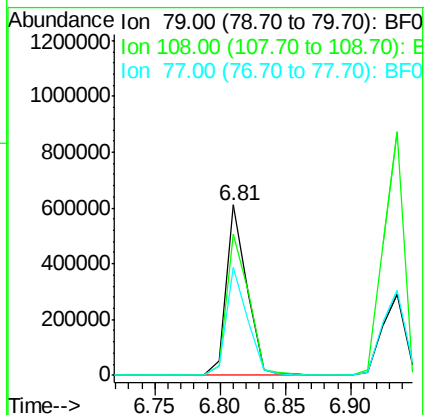
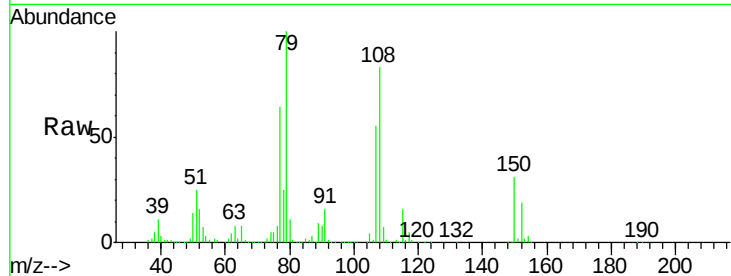
Tgt Ion: 79 Resp: 675596

Ion Ratio Lower Upper

79 100

108 83.0 62.5 93.7

77 63.7 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.76 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

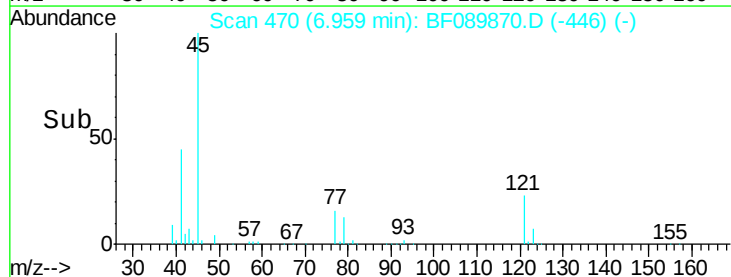
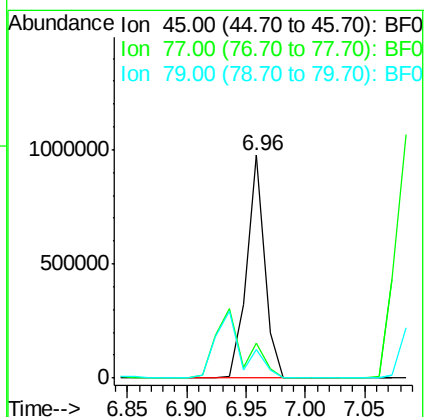
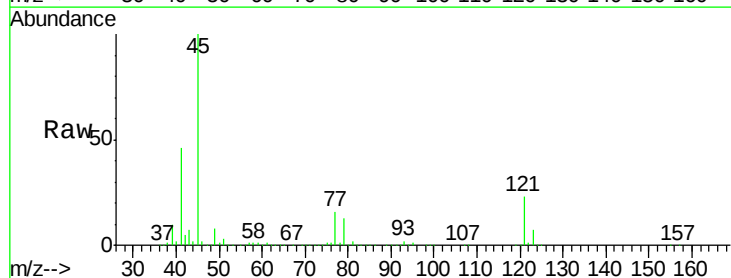
Tgt Ion: 45 Resp: 1029447

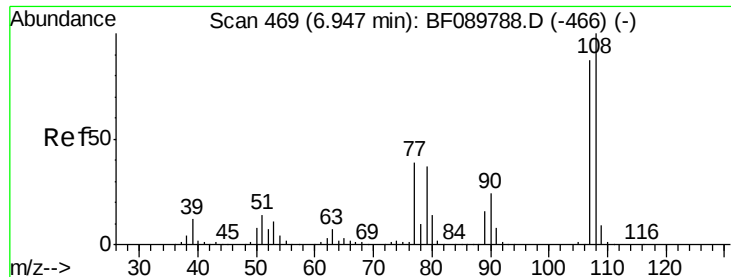
Ion Ratio Lower Upper

45 100

77 15.9 0.0 33.5

79 12.6 0.0 30.7

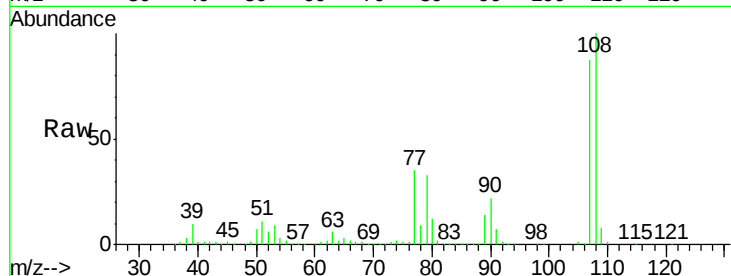




#17
2-Methylphenol
Concen: 38.53 ng
RT: 6.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Instrument :
BNA_F
ClientSampleId :
AST-1MSD

Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.0	136.4
77	40.0	37.4	56.0
79	38.4	36.6	55.0



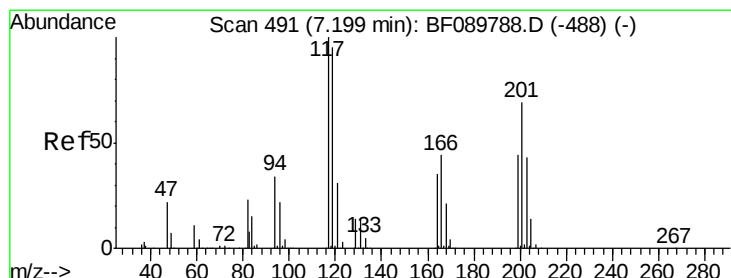
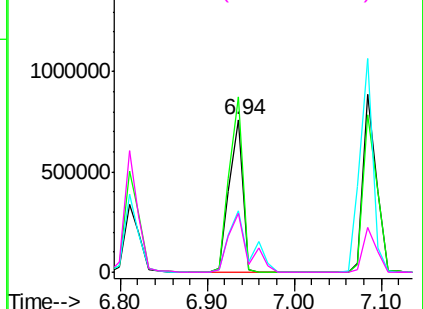
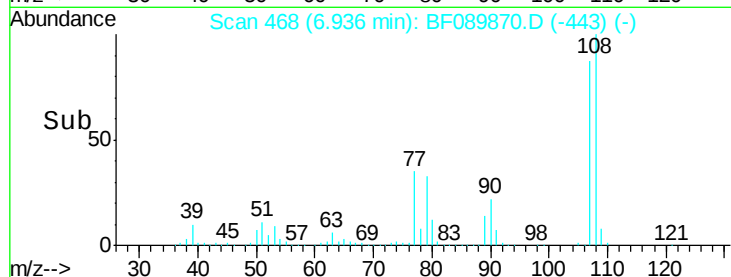
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

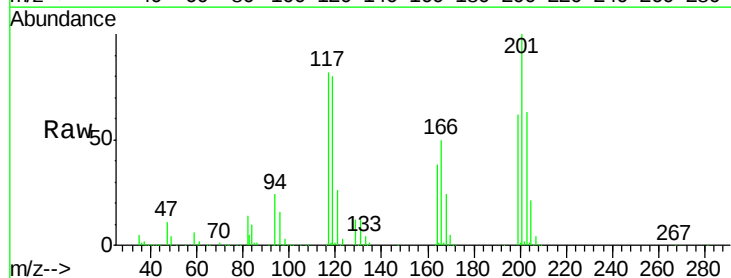
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 34.06 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.1	115.7
201	121.9	76.9	115.3#

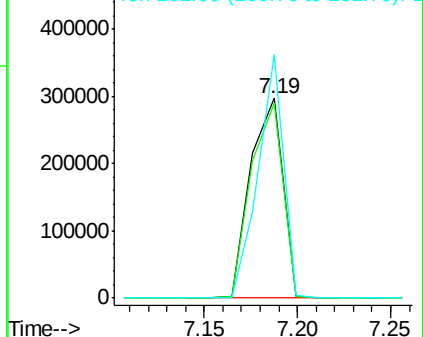
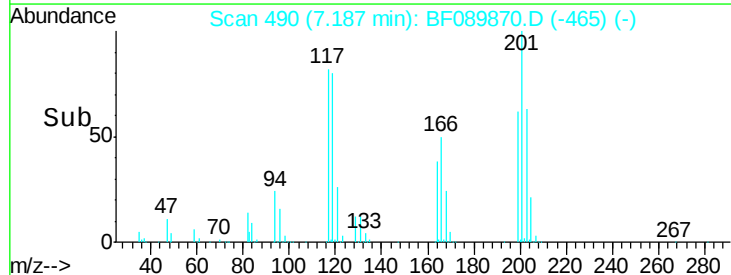


Abundance

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

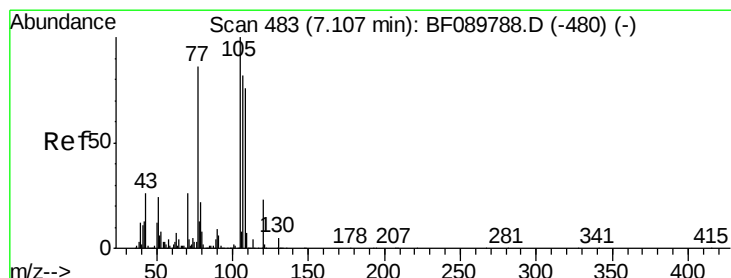
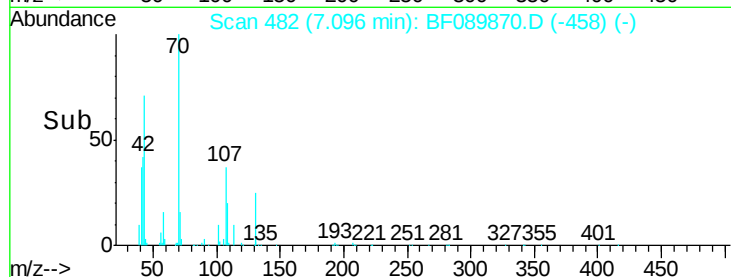
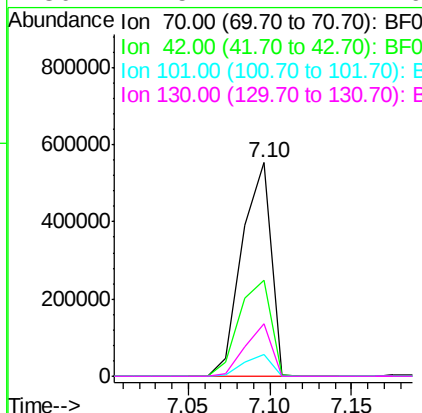
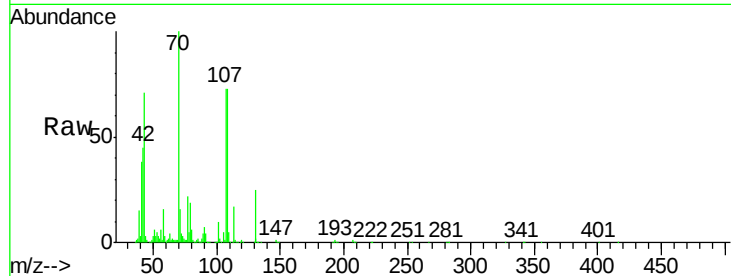




#19
n-Nitroso-di-n-propylamine
Concen: 38.42 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

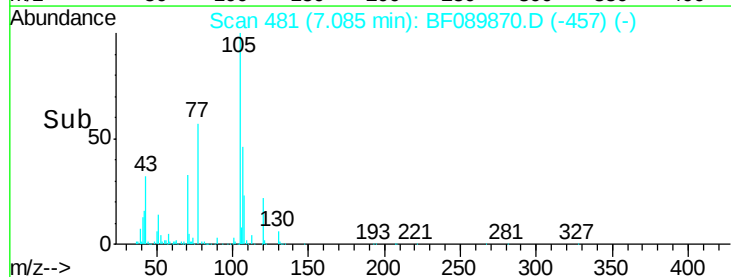
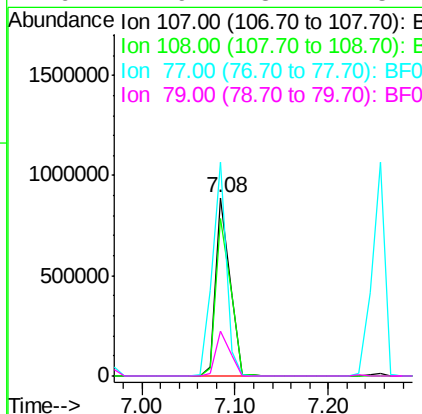
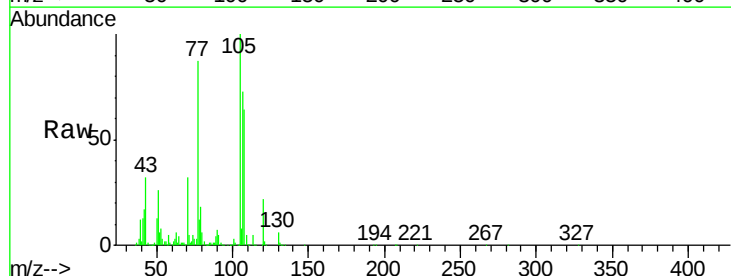
Instrument :
BNA_F
ClientSampleId :
AST-1MSD

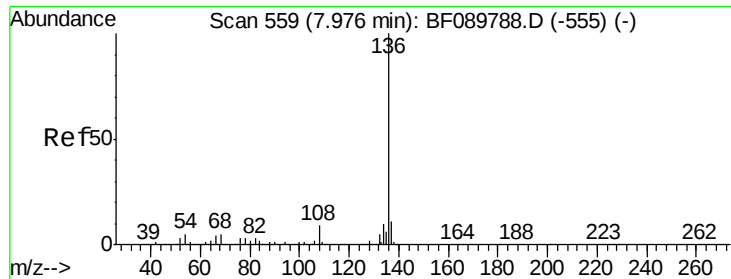
Tgt Ion: 70 Resp: 684859
Ion Ratio Lower Upper
70 100
42 45.0 46.3 69.5#
101 10.5 7.0 10.6
130 24.5 14.4 21.6#



#20
3+4-Methylphenols
Concen: 35.63 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Tgt Ion: 107 Resp: 929029
Ion Ratio Lower Upper
107 100
108 88.2 68.2 108.2
77 119.7 122.3 162.3#
79 24.9 8.2 48.2

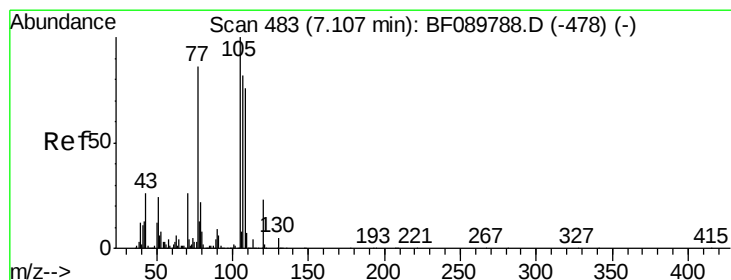
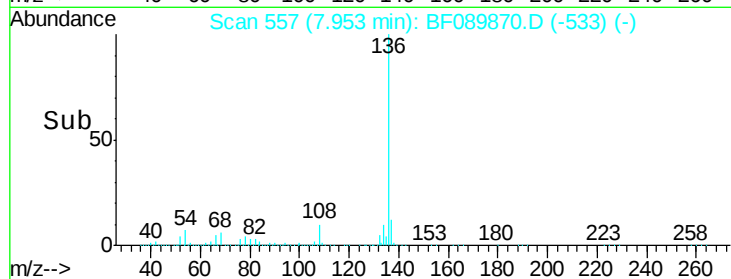
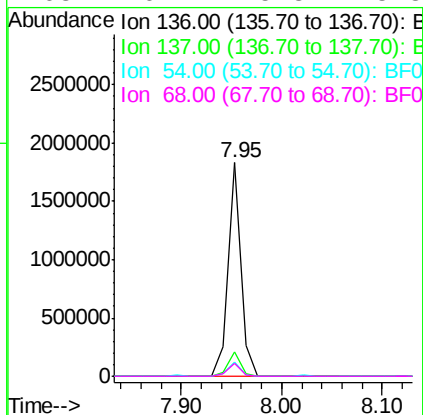
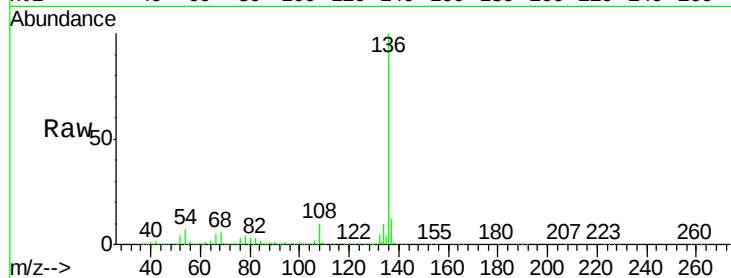




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

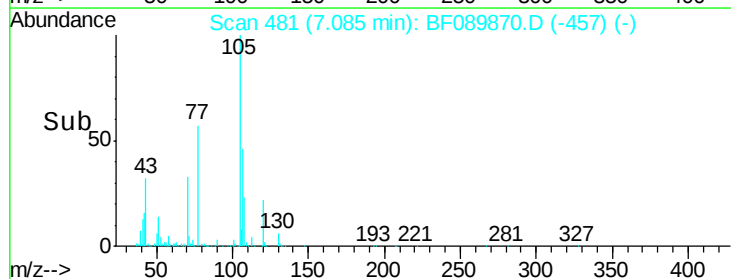
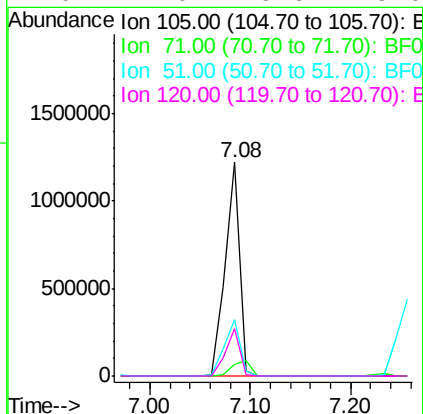
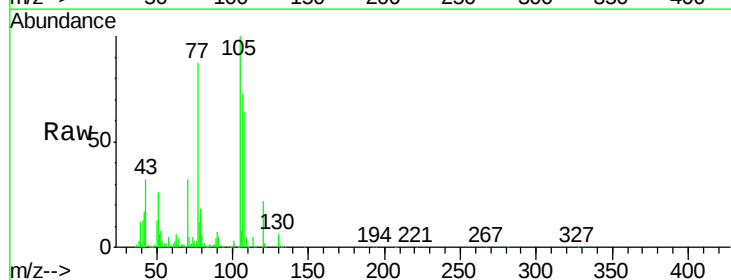
Instrument :
BNA_F
ClientSampleId :
AST-1MSD

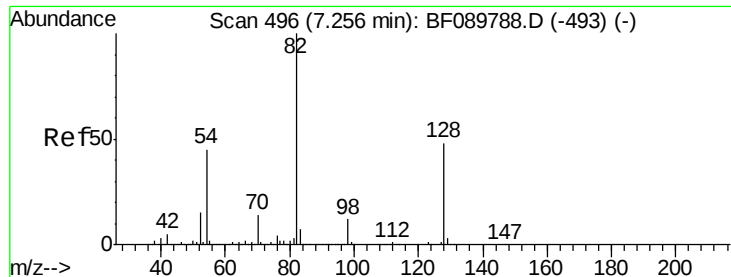
Tgt Ion:	136	Resp:	1612727
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	6.9	7.2	10.8#
68	6.1	5.8	8.8



#22
Acetophenone
Concen: 32.79 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Tgt Ion:	105	Resp:	1214350
Ion	Ratio	Lower	Upper
105	100		
71	5.3	1.9	2.9#
51	26.2	28.5	42.7#
120	22.0	16.6	25.0

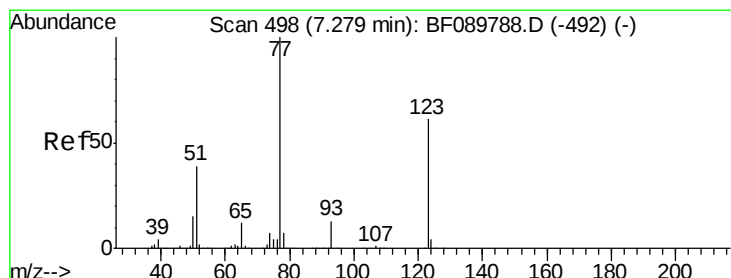
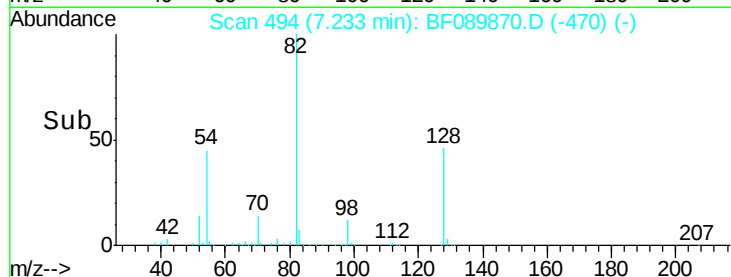
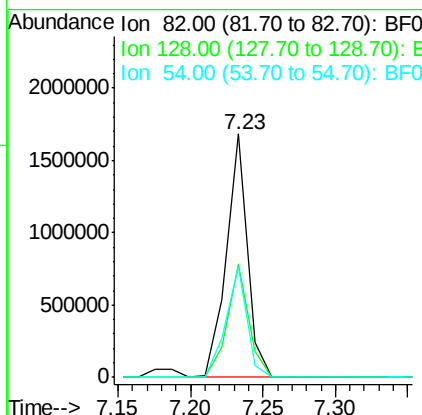
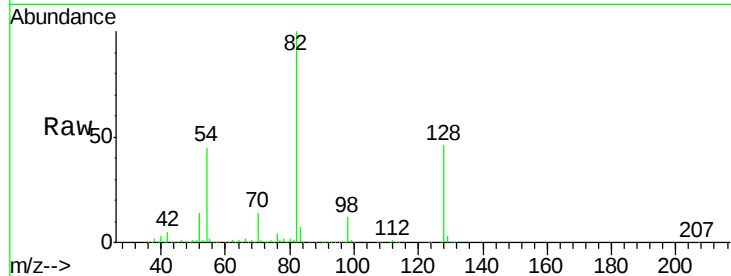




#23
 Nitrobenzene-d5
 Concen: 65.52 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

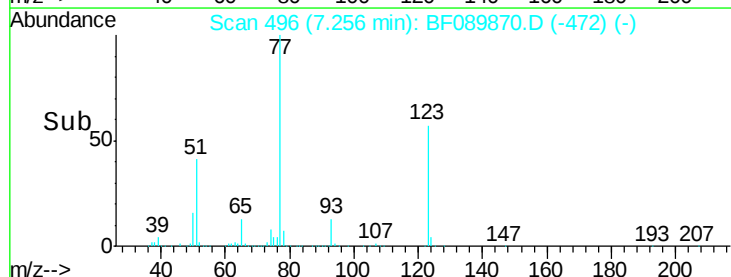
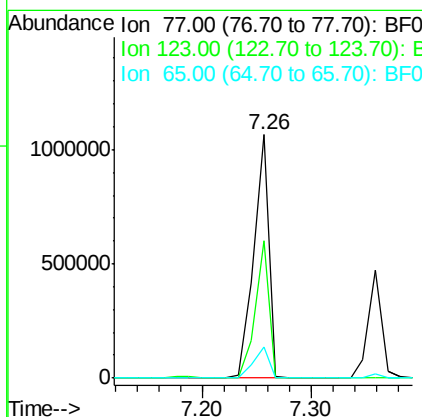
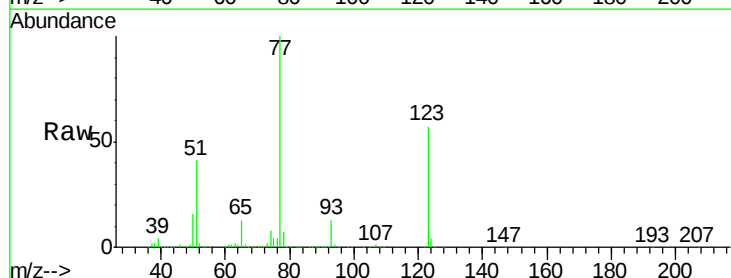
Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

Tgt Ion: 82 Resp: 1700871
 Ion Ratio Lower Upper
 82 100
 128 46.3 34.4 51.6
 54 45.4 40.3 60.5



#24
 Nitrobenzene
 Concen: 35.42 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion: 77 Resp: 1031726
 Ion Ratio Lower Upper
 77 100
 123 56.7 36.2 54.2#
 65 12.7 10.6 15.8





#25

Isophorone

Concen: 33.83 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

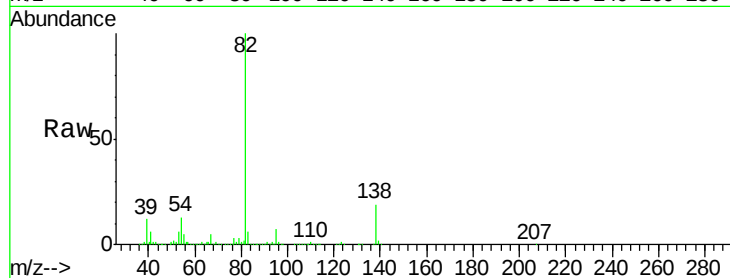
Tgt Ion: 82 Resp: 1771051

Ion Ratio Lower Upper

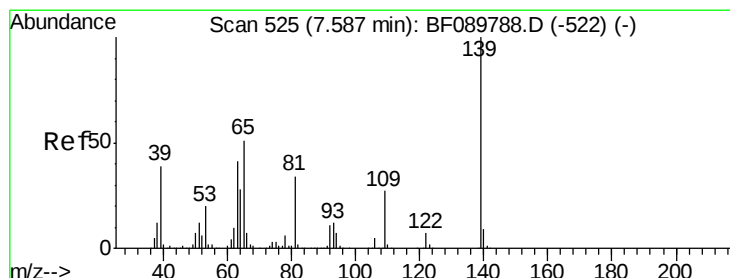
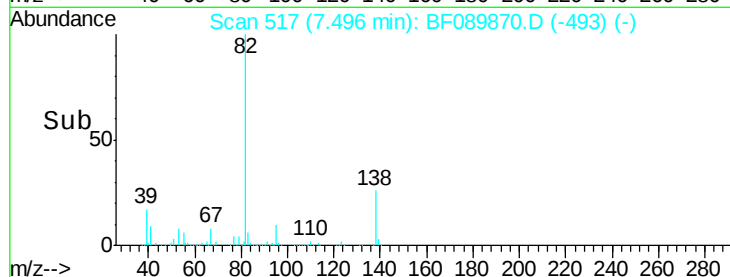
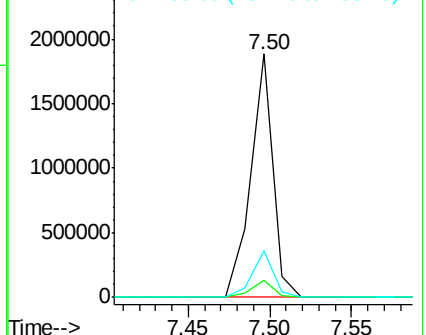
82 100

95 6.8 5.3 7.9

138 18.9 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: 34.98 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

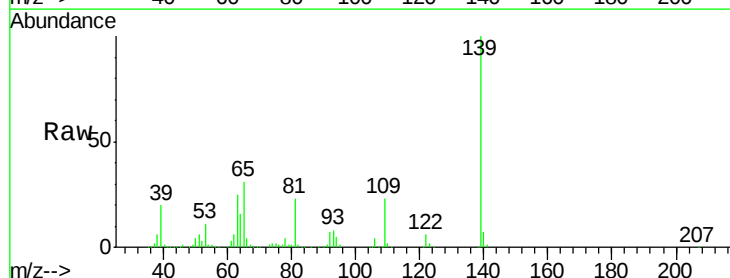
Tgt Ion: 139 Resp: 508323

Ion Ratio Lower Upper

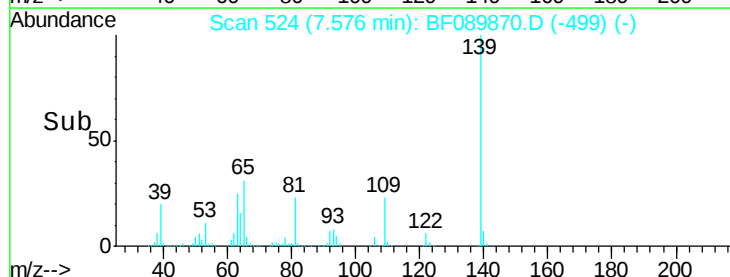
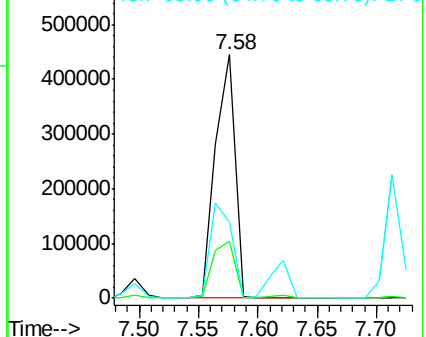
139 100

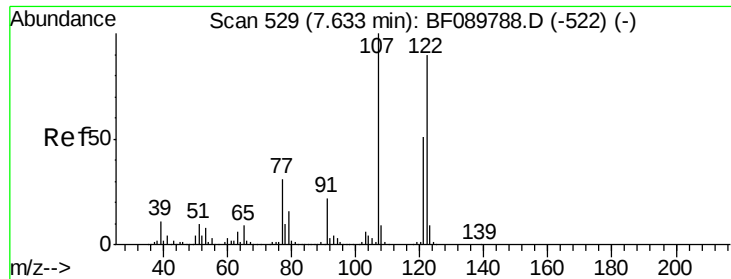
109 23.1 19.5 29.3

65 31.3 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

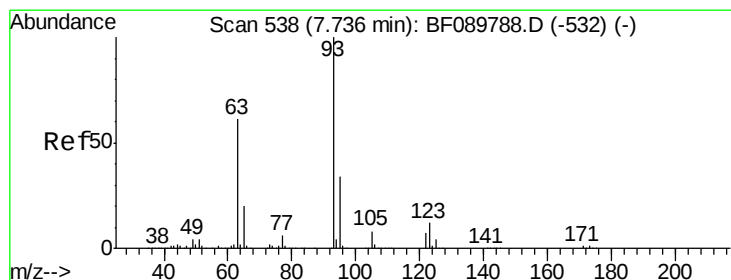
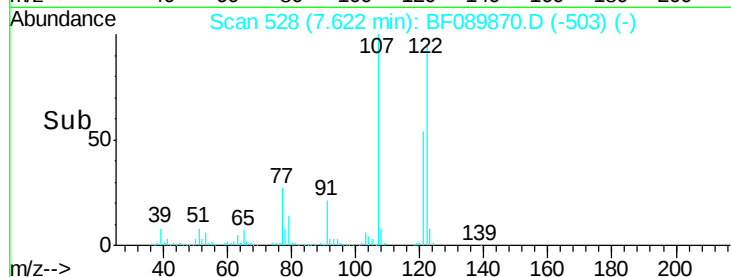
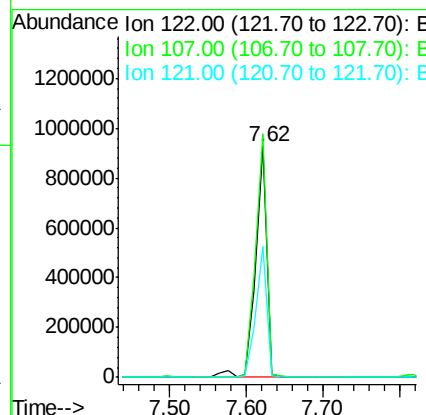
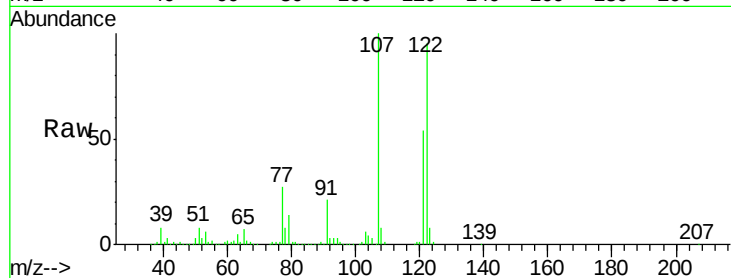




#27
 2,4-Dimethylphenol
 Concen: 35.47 ng
 RT: 7.62 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

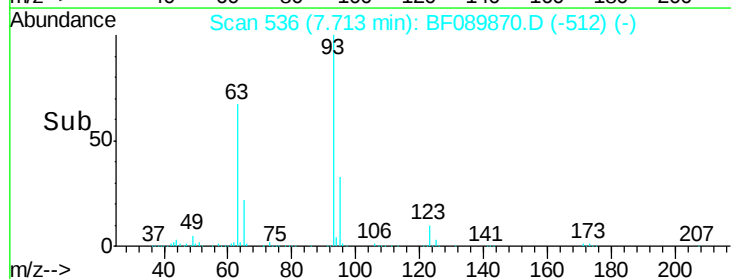
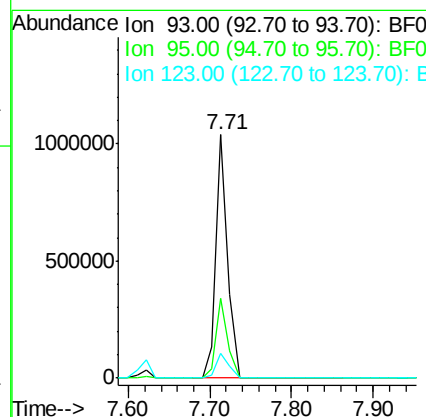
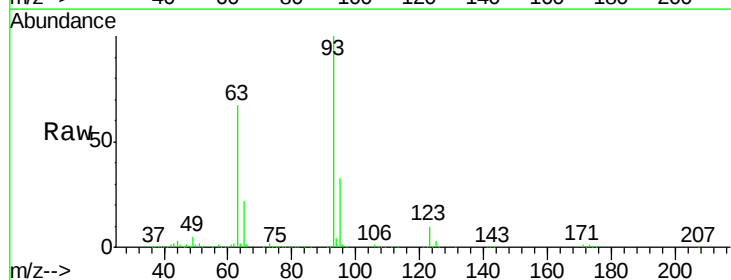
Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

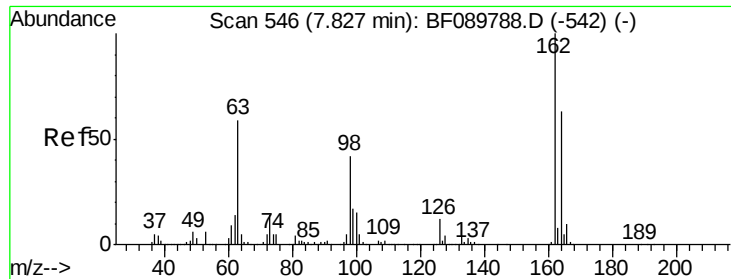
Tgt Ion:122 Resp: 928994
 Ion Ratio Lower Upper
 122 100
 107 105.8 84.8 127.2
 121 57.2 47.0 70.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 32.54 ng
 RT: 7.71 min Scan# 536
 Delta R.T. -0.02 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion: 93 Resp: 1054118
 Ion Ratio Lower Upper
 93 100
 95 32.7 25.5 38.3
 123 10.2 8.5 12.7

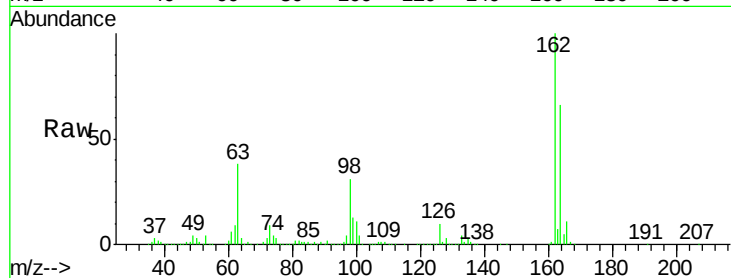




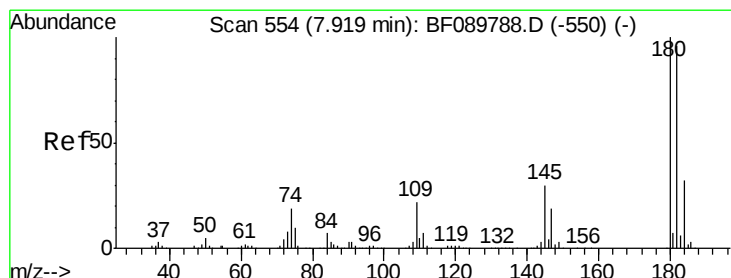
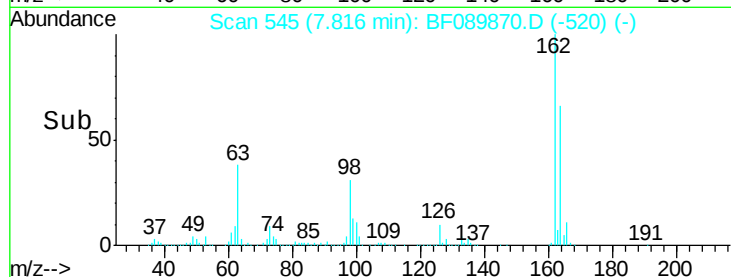
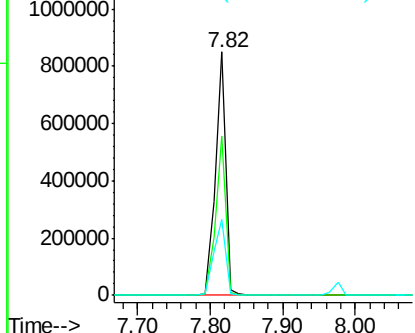
#29
 2,4-Dichlorophenol
 Concen: 38.07 ng
 RT: 7.82 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Instrument :
 BNA_F
 ClientSampled :
 AST-1MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.6	45.5	85.5
98	31.0	12.4	52.4

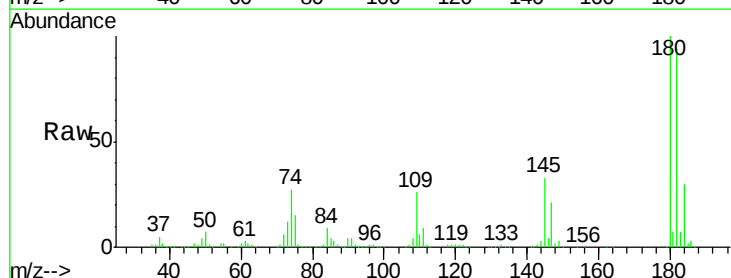


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

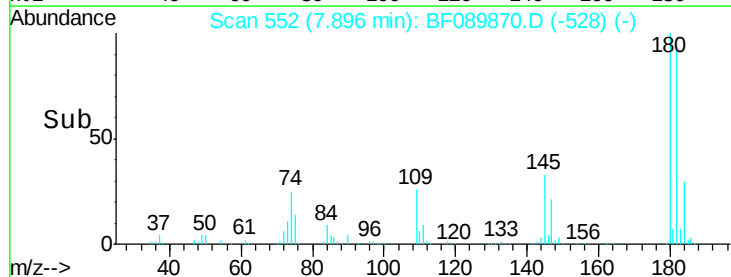
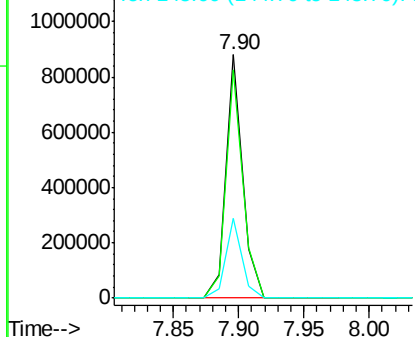


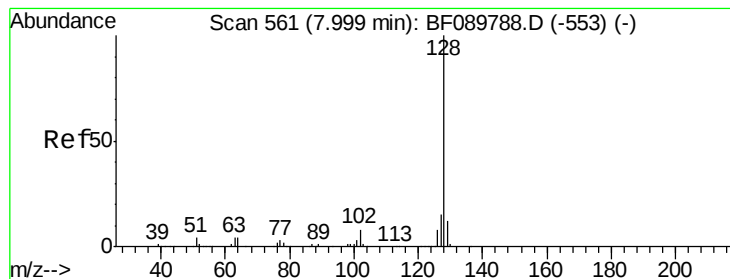
#30
 1,2,4-Trichlorobenzene
 Concen: 32.42 ng
 RT: 7.90 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.5	113.3
145	32.8	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: 35.35 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

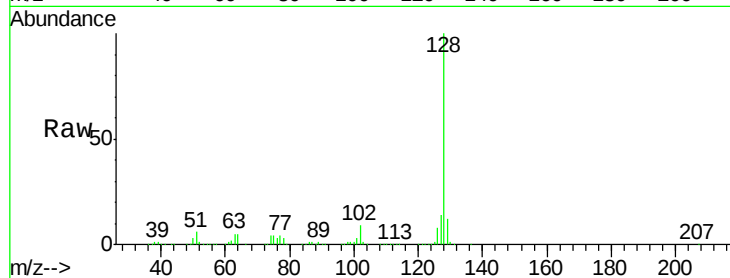
Tgt Ion:128 Resp: 2664320

Ion Ratio Lower Upper

128 100

129 12.1 9.5 14.3

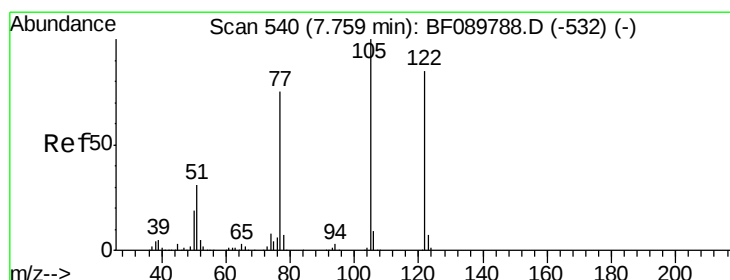
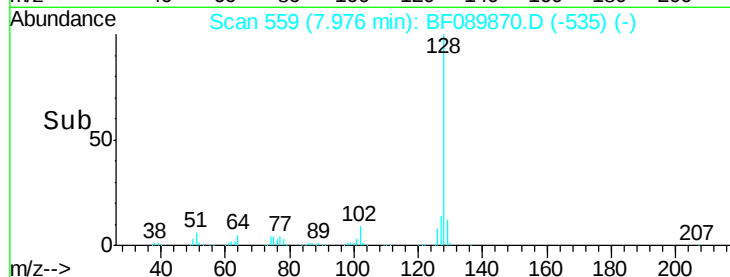
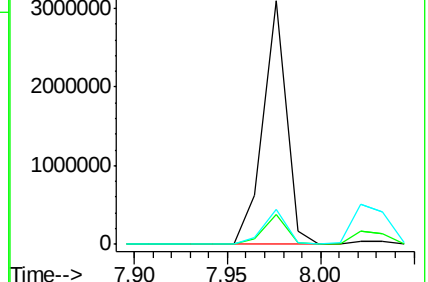
127 14.3 11.3 16.9



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: 45.52 ng

RT: 7.62 min Scan# 528

Delta R.T. -0.14 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

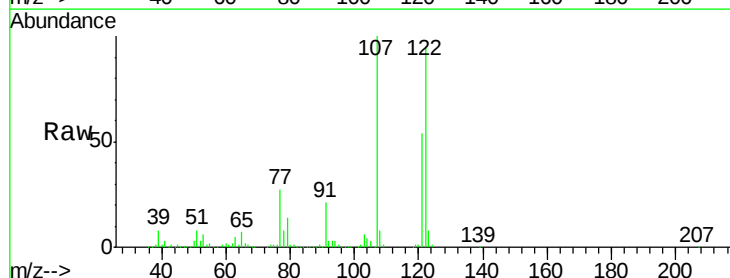
Tgt Ion:122 Resp: 928994

Ion Ratio Lower Upper

122 100

105 3.3 100.8 140.8#

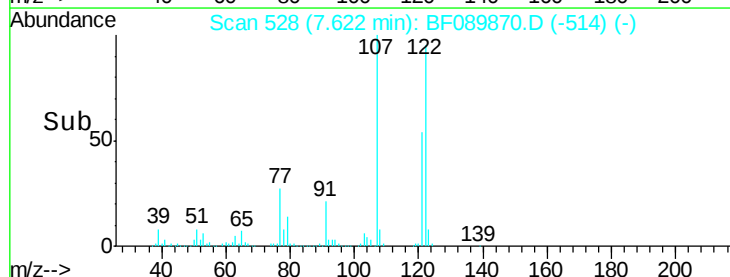
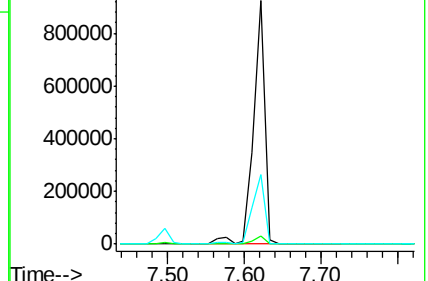
77 28.6 72.1 112.1#

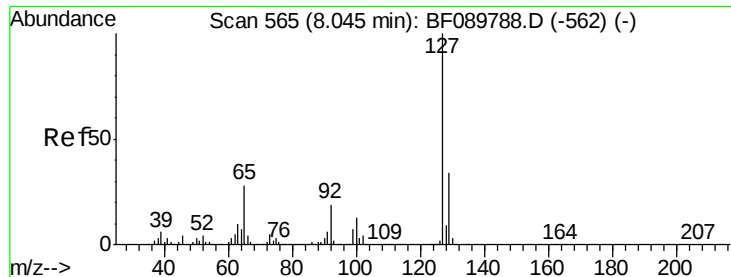


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

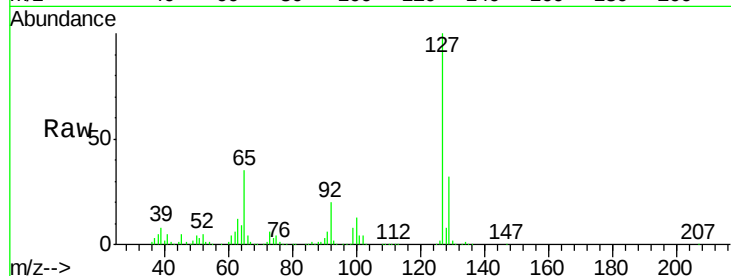




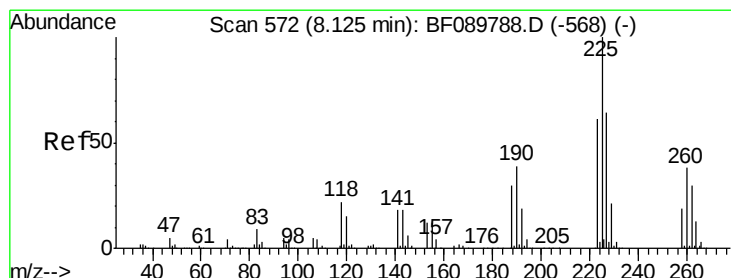
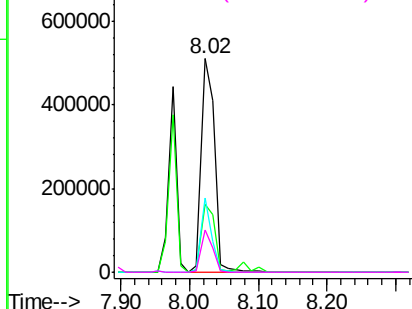
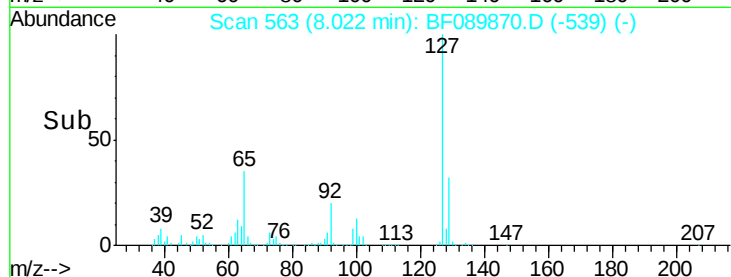
#33
4-Chloroaniline
Concen: 20.64 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.02 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Instrument :
BNA_F
ClientSampleId :
AST-1MSD

Tgt Ion:	127	Resp:	674371
Ion	Ratio	Lower	Upper
127	100		
129	31.7	27.0	40.6
65	34.8	14.7	22.1#
92	20.0	11.7	17.5#

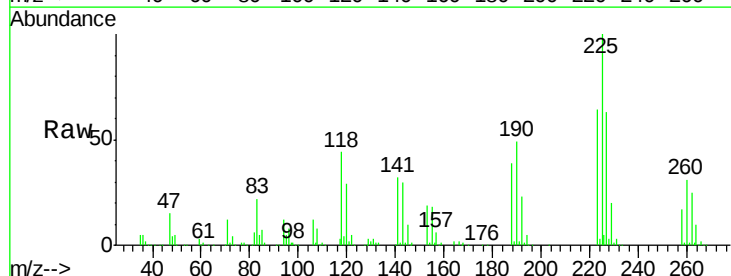


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

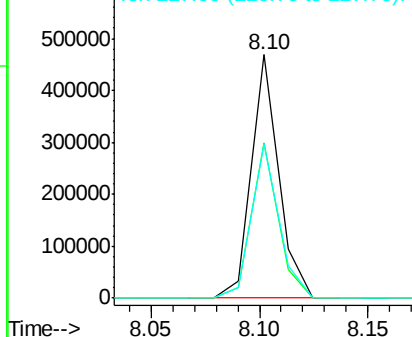
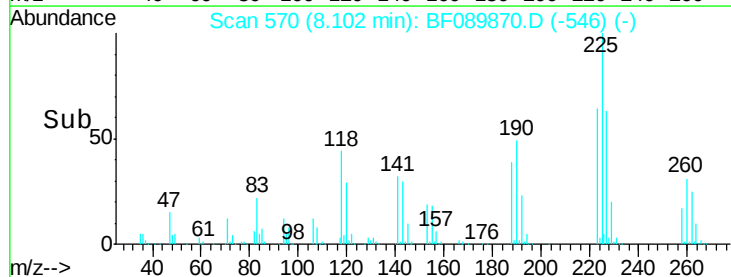


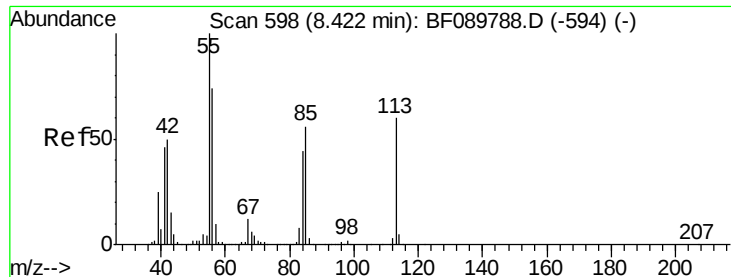
#34
Hexachlorobutadiene
Concen: 32.10 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Tgt Ion:	225	Resp:	408543
Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.6
227	63.4	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

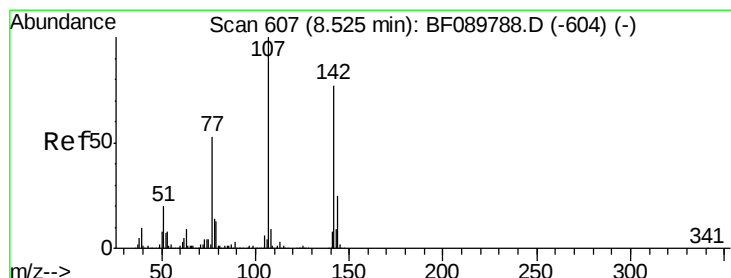
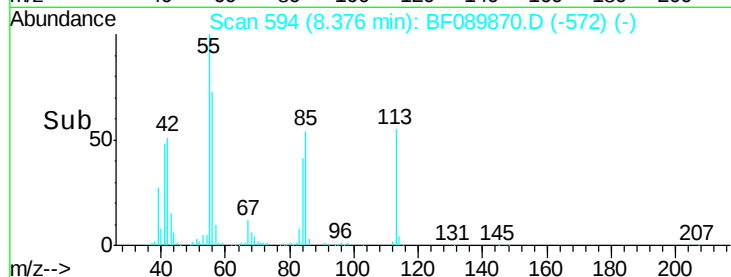
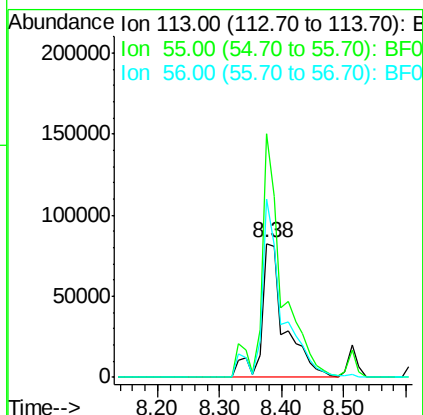
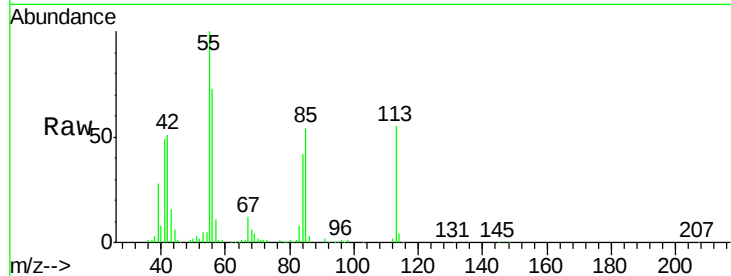




#35
 Caprolactam
 Concen: 32.35 ng
 RT: 8.38 min Scan# 594
 Delta R.T. -0.05 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

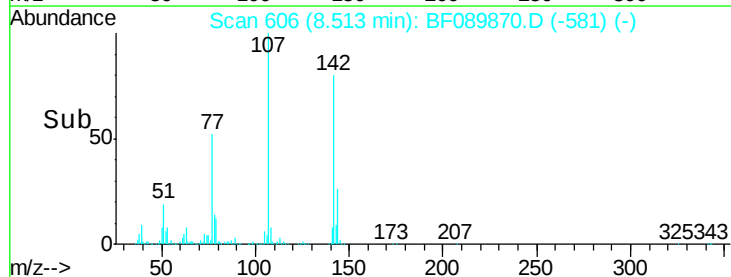
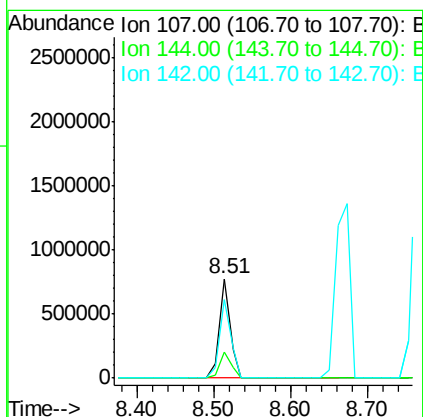
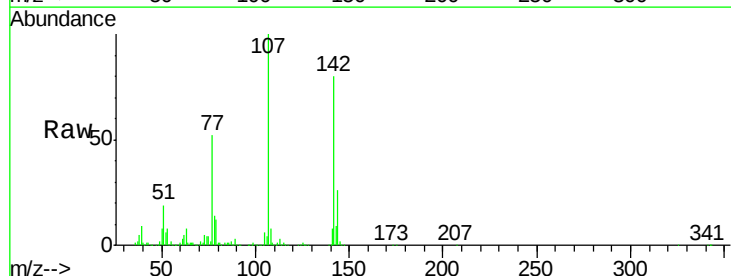
Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

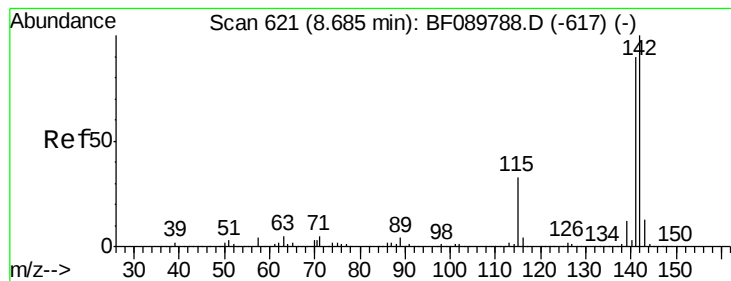
Tgt Ion:113 Resp: 216485
 Ion Ratio Lower Upper
 113 100
 55 182.0 135.9 175.9#
 56 133.2 93.9 133.9



#36
 4-Chloro-3-methylphenol
 Concen: 32.72 ng
 RT: 8.51 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion:107 Resp: 778742
 Ion Ratio Lower Upper
 107 100
 144 25.7 22.6 34.0
 142 79.6 69.3 103.9





#37

2-Methylnaphthalene

Concen: 36.92 ng

RT: 8.67 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

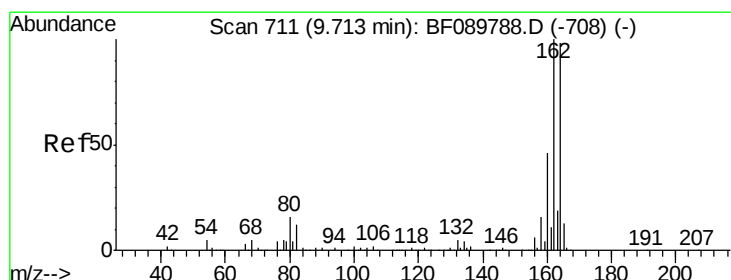
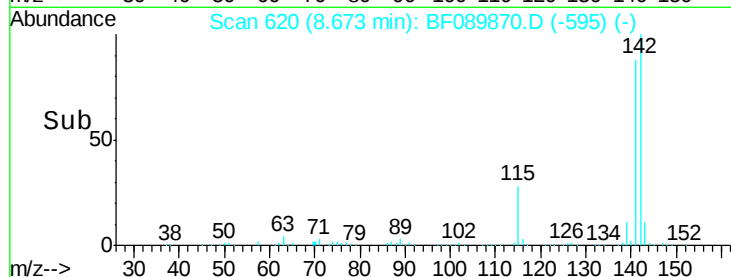
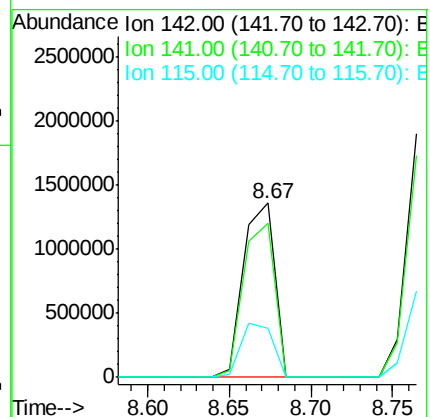
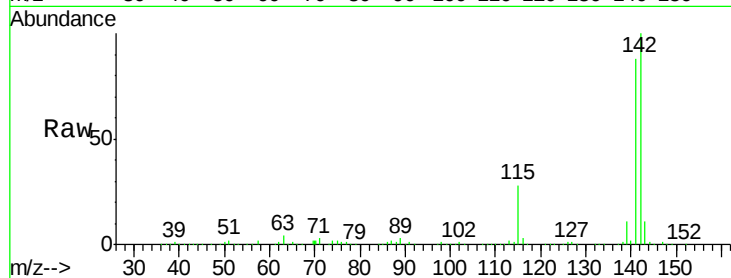
Tgt Ion:142 Resp: 1800503

Ion Ratio Lower Upper

142 100

141 88.4 71.4 107.2

115 28.0 22.7 34.1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

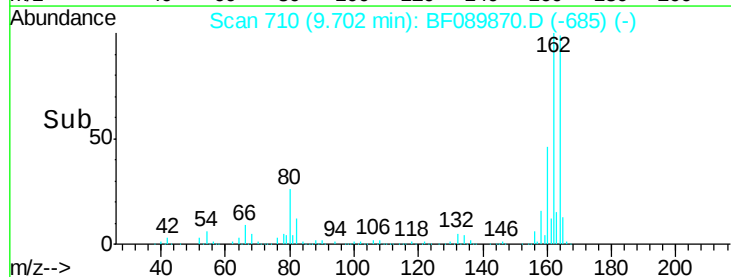
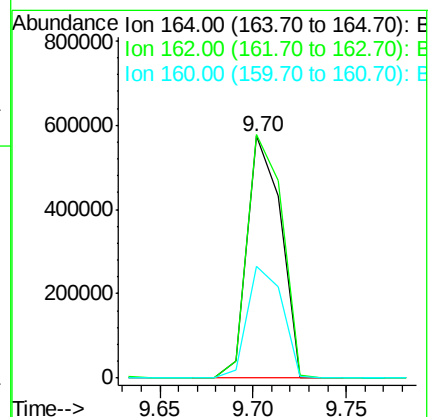
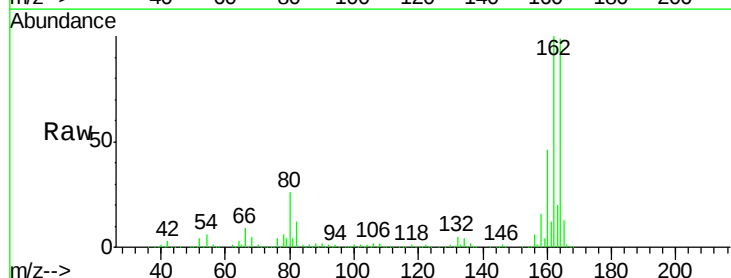
Tgt Ion:164 Resp: 719931

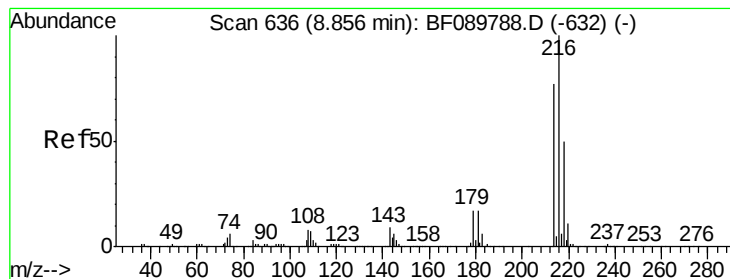
Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.2

160 46.1 37.8 56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 26.56 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampled :

AST-1MSD

Tgt Ion:216 Resp: 619134

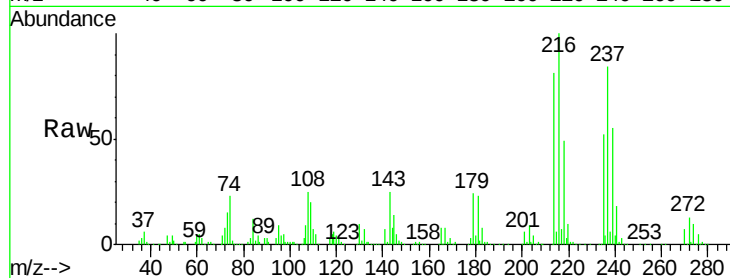
Ion Ratio Lower Upper

216 100

214 79.8 63.5 95.3

179 23.0 19.9 29.9

108 25.1 19.9 29.9

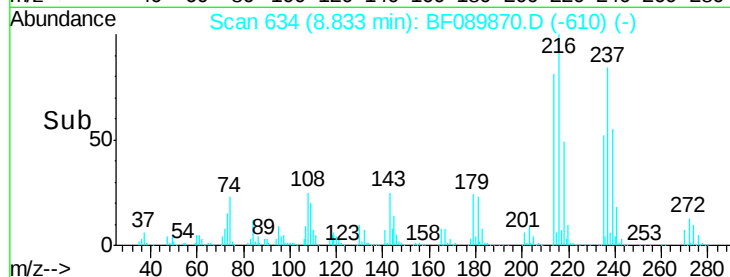


Abundance Ion 216.00 (215.70 to 216.70): E

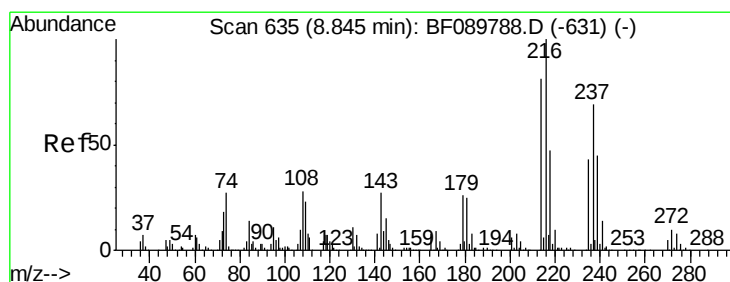
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 87.25 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

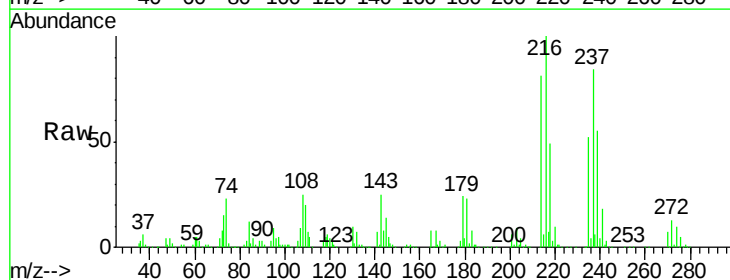
Tgt Ion:237 Resp: 706184

Ion Ratio Lower Upper

237 100

235 62.1 43.7 83.7

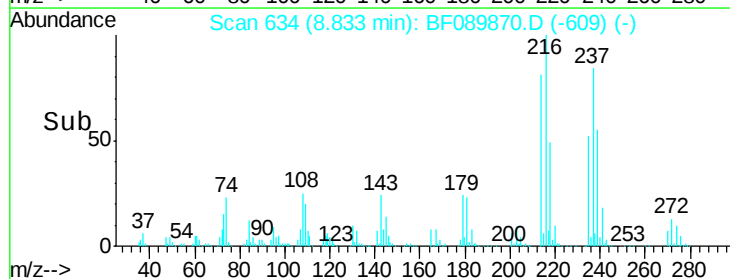
272 15.5 0.0 31.6



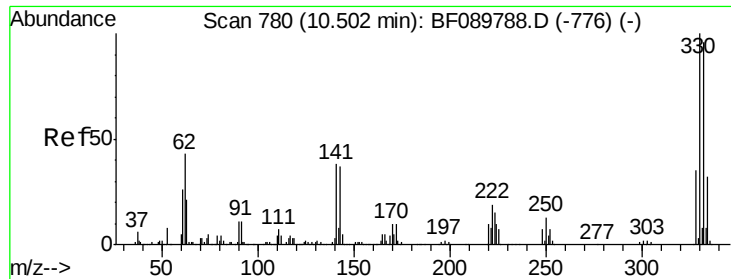
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



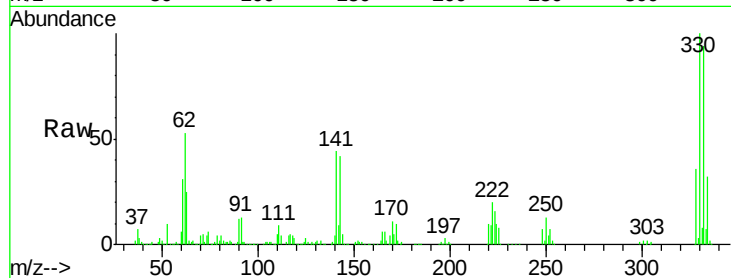
Time-->



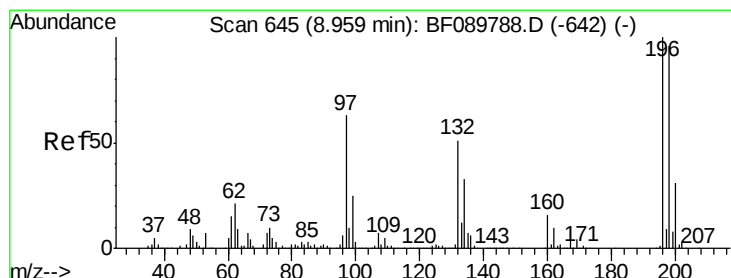
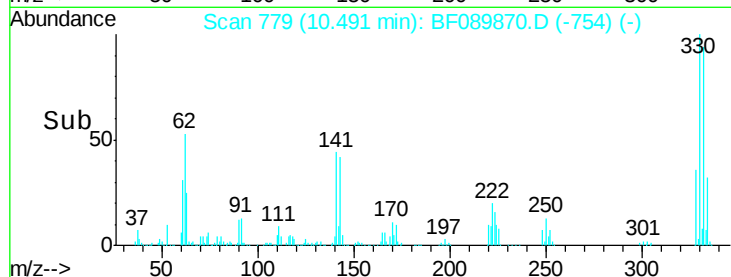
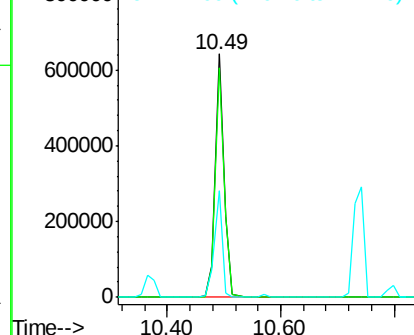
#41
 2,4,6-Tribromophenol
 Concen: 96.80 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

Tgt Ion:330 Resp: 662318
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.7 115.1
 141 38.8 30.2 45.2

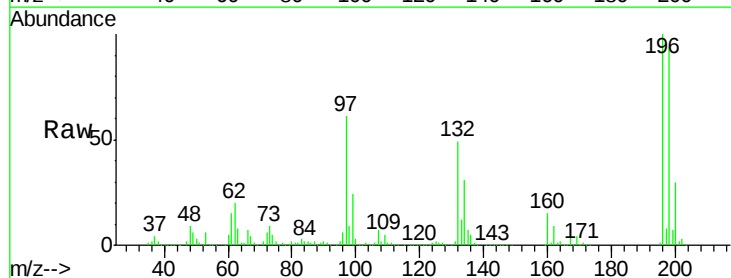


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

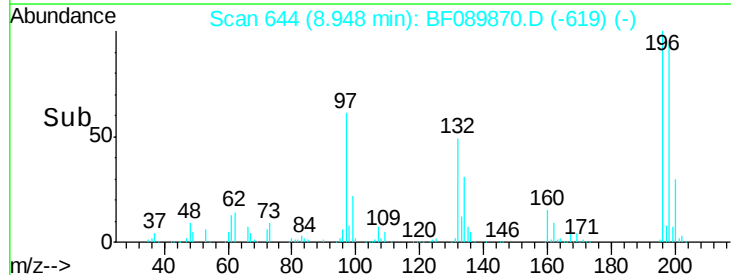
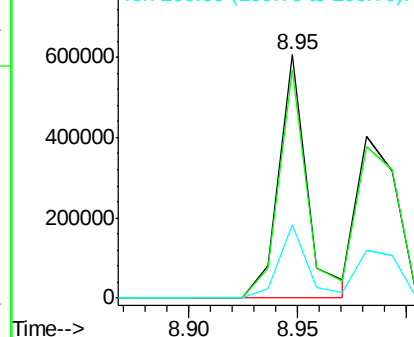


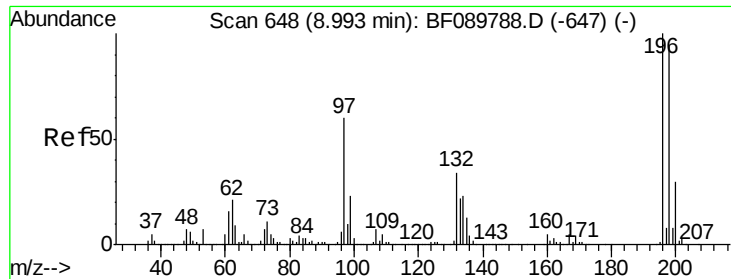
#42
 2,4,6-Trichlorophenol
 Concen: 37.92 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion:196 Resp: 556186
 Ion Ratio Lower Upper
 196 100
 198 93.9 76.3 114.5
 200 30.1 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

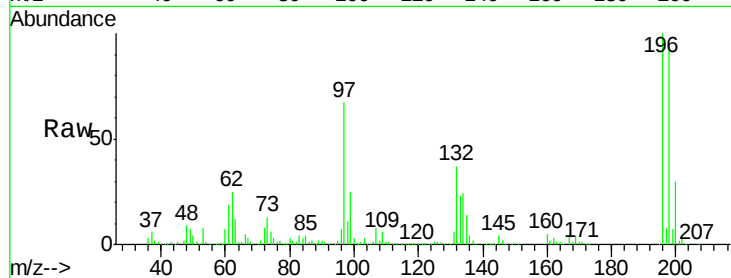




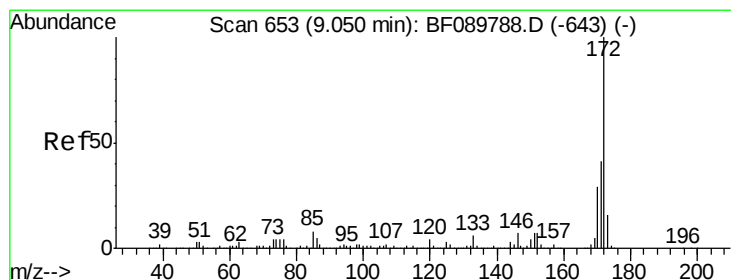
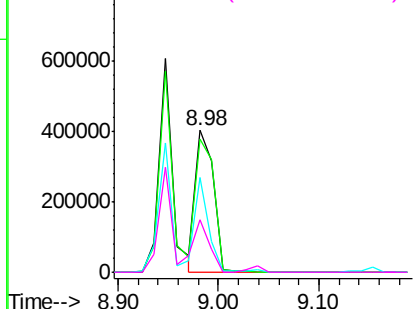
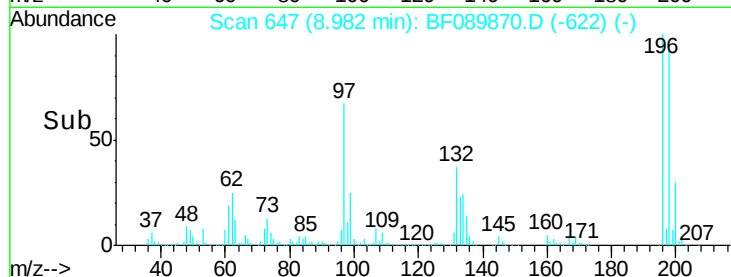
#43
 2,4,5-Trichlorophenol
 Concen: 34.60 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

Tgt Ion:196 Resp: 504740
 Ion Ratio Lower Upper
 196 100
 198 93.6 76.6 114.8
 97 66.6 35.8 53.8#
 132 36.7 23.5 35.3#

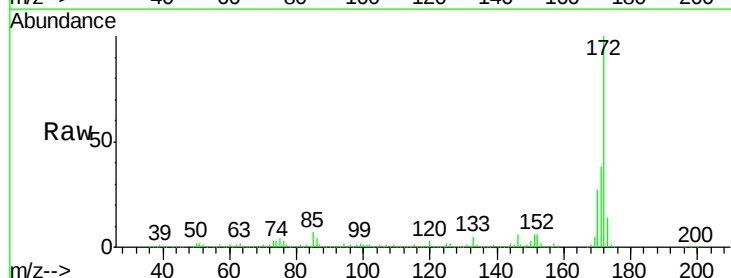


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

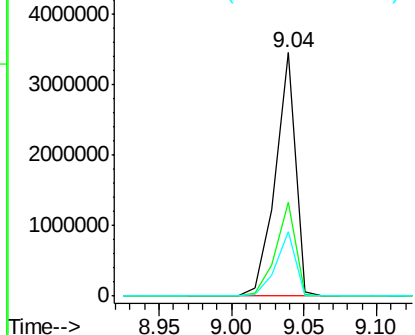
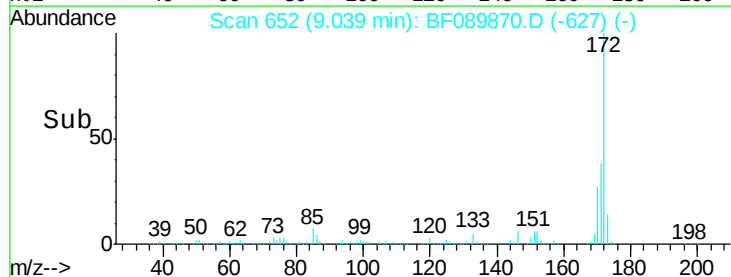


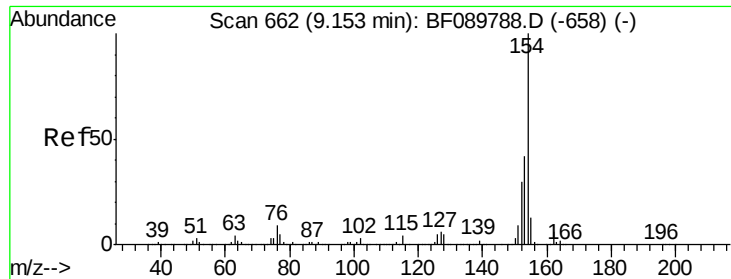
#44
 2-Fluorobiphenyl
 Concen: 81.37 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion:172 Resp: 3333214
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.5 45.7
 170 26.6 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

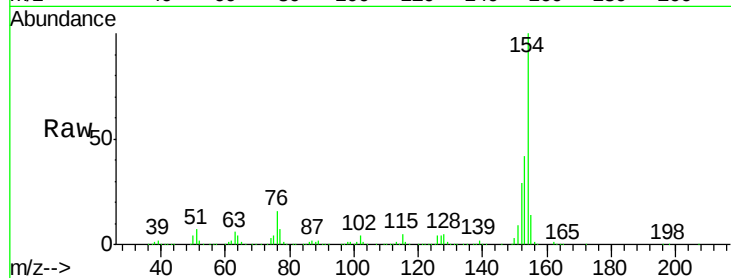




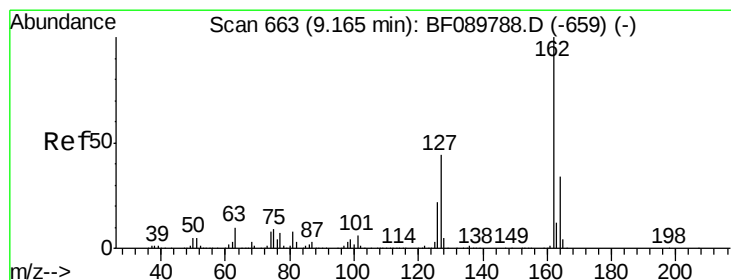
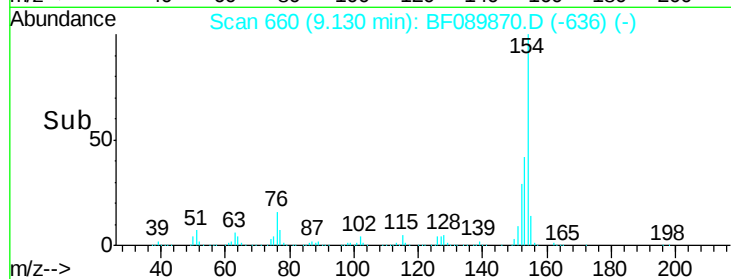
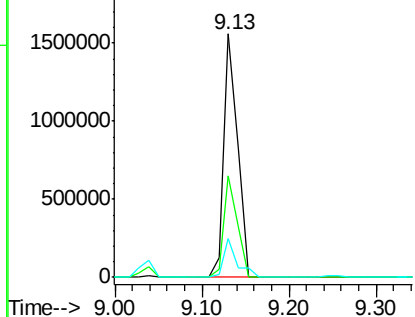
#45
 1,1'-Biphenyl
 Concen: 30.94 ng
 RT: 9.13 min Scan# 660
 Delta R.T. -0.02 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

Tgt Ion:154 Resp: 1723821
 Ion Ratio Lower Upper
 154 100
 153 41.6 21.5 61.5
 76 16.2 0.0 36.7

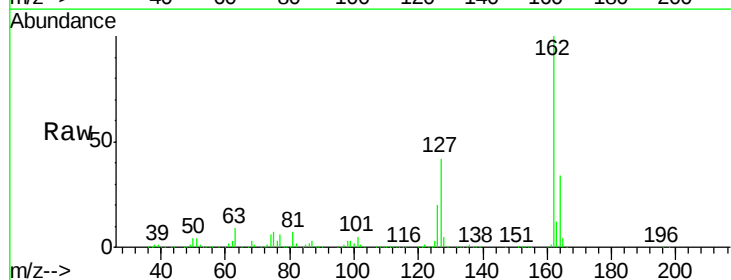


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

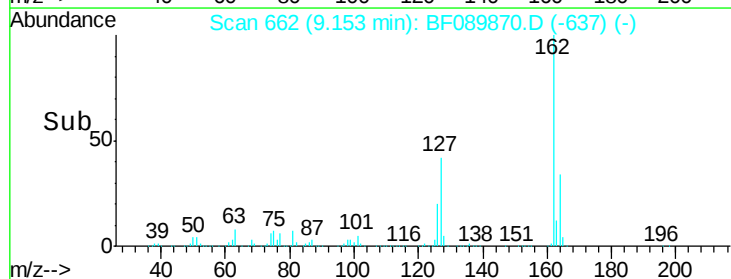
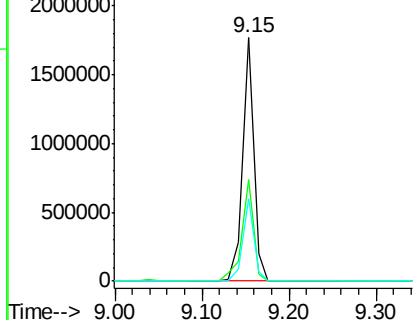


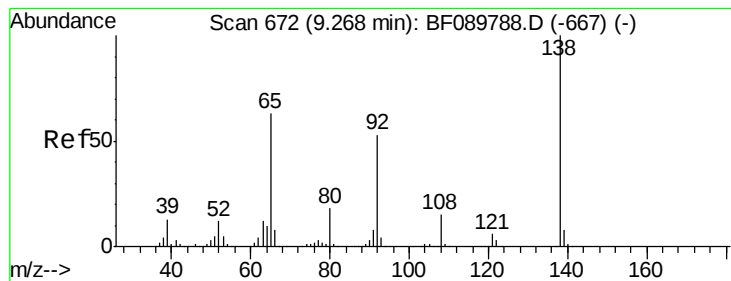
#46
 2-Chloronaphthalene
 Concen: 35.24 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion:162 Resp: 1551951
 Ion Ratio Lower Upper
 162 100
 127 41.8 35.5 53.3
 164 34.0 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: 35.82 ng

RT: 9.24 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

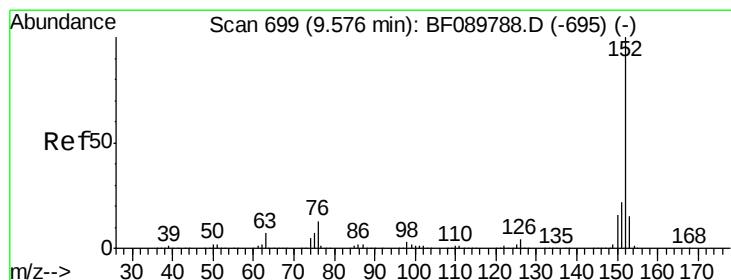
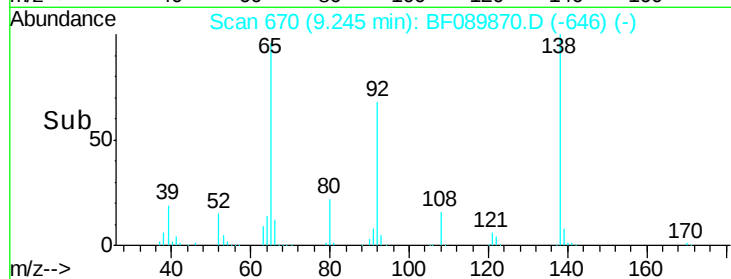
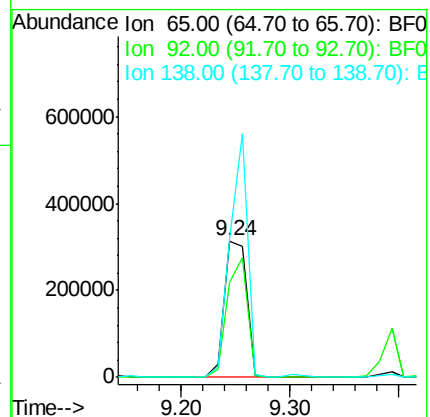
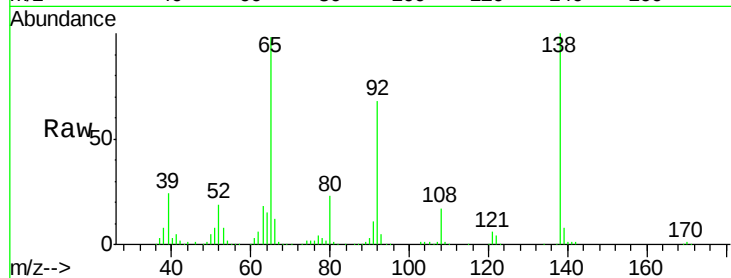
Tgt Ion: 65 Resp: 449967

Ion Ratio Lower Upper

65 100

92 69.4 56.3 84.5

138 101.6 81.8 122.8



#48

Acenaphthylene

Concen: 36.14 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

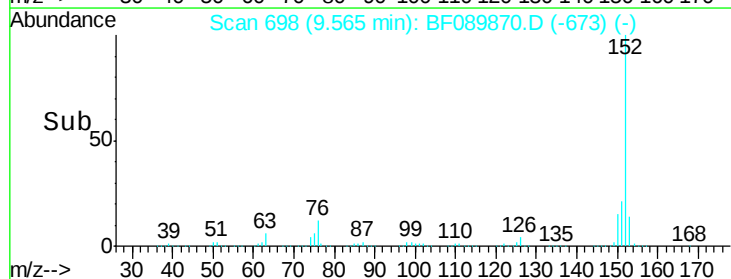
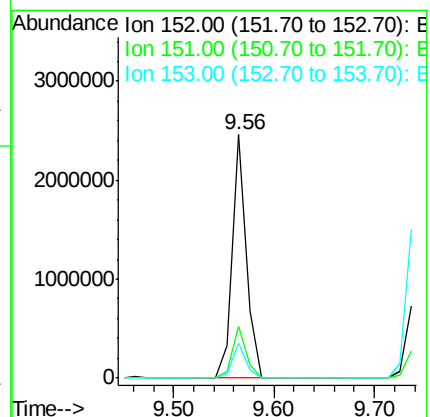
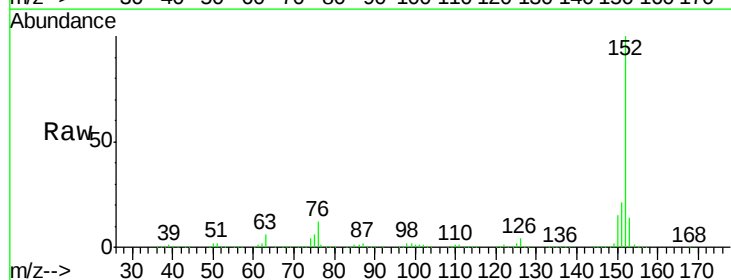
Tgt Ion: 152 Resp: 2391833

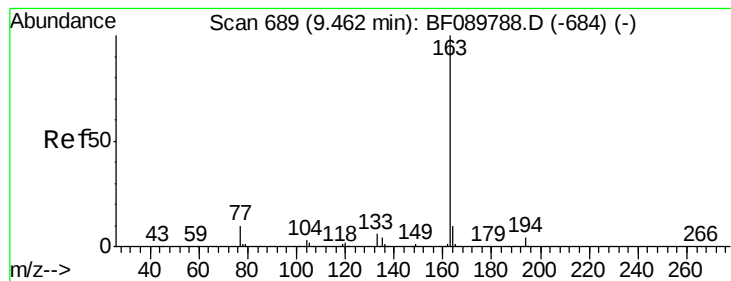
Ion Ratio Lower Upper

152 100

151 21.0 17.1 25.7

153 14.3 11.2 16.8





#49

Dimethylphthalate

Concen: 57.19 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampled :

AST-1MSD

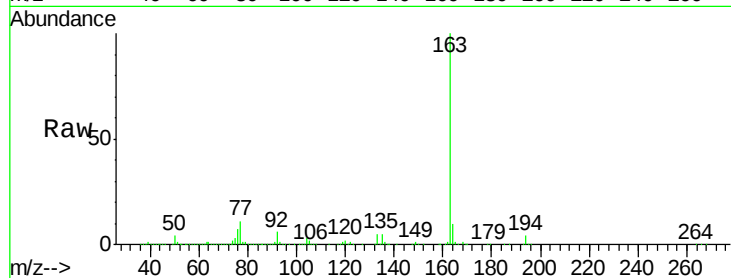
Tgt Ion:163 Resp: 2899222

Ion Ratio Lower Upper

163 100

194 4.1 2.6 3.8#

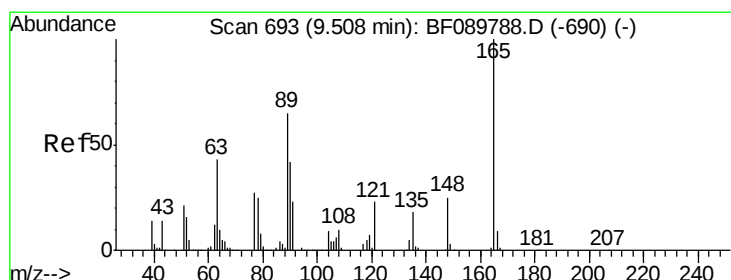
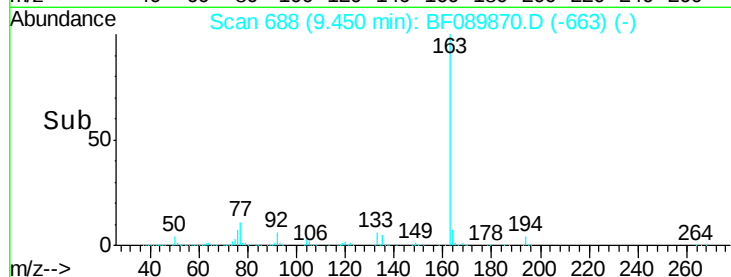
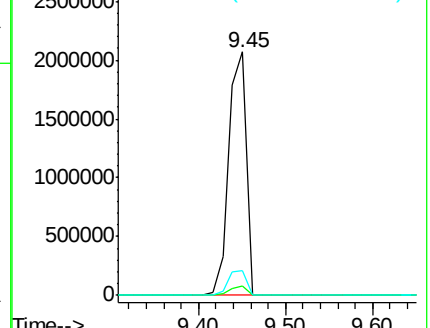
164 10.0 8.6 12.8



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: 32.82 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

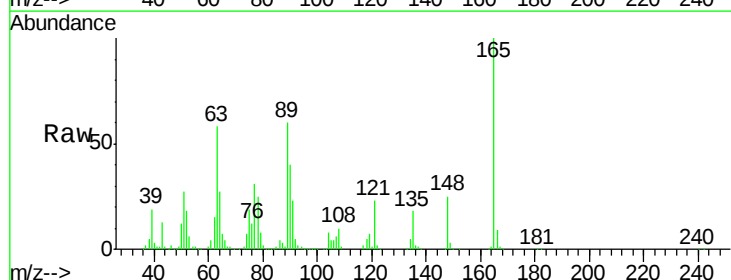
Tgt Ion:165 Resp: 384160

Ion Ratio Lower Upper

165 100

63 57.7 41.7 62.5

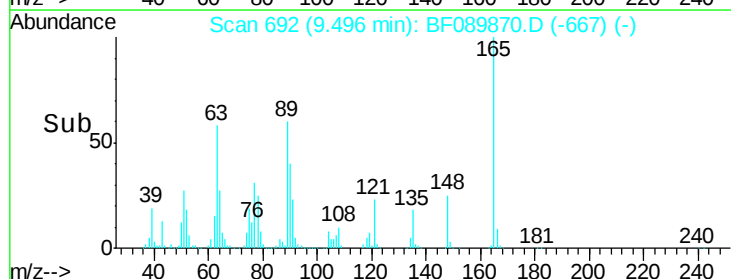
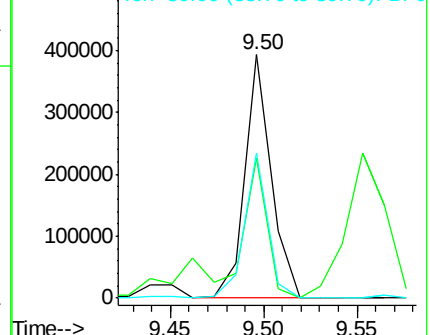
89 59.7 44.6 67.0

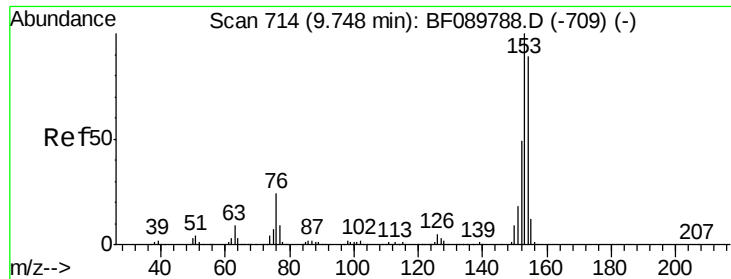


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 32.37 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

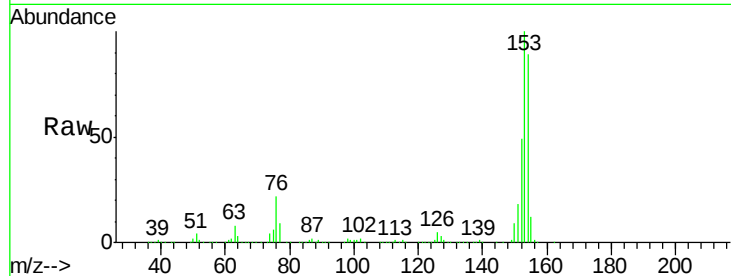
Tgt Ion:154 Resp: 1417801

Ion Ratio Lower Upper

154 100

153 112.0 90.5 135.7

152 54.4 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

9.74

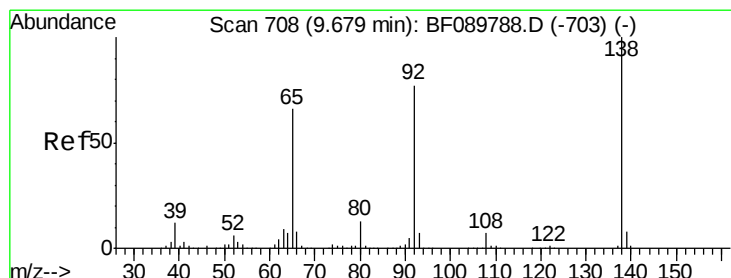
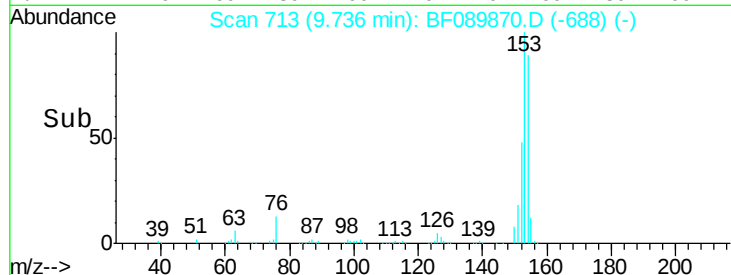
1500000

1000000

500000

0

Time-->



#52

3-Nitroaniline

Concen: 29.01 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

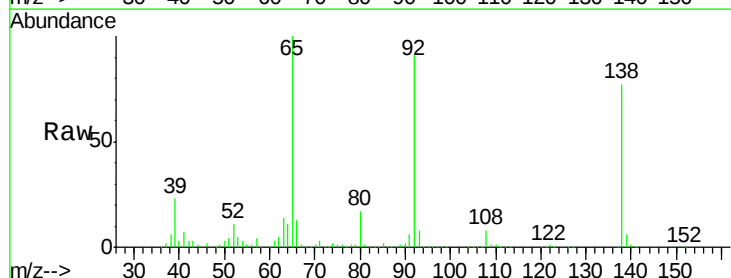
Tgt Ion:138 Resp: 376193

Ion Ratio Lower Upper

138 100

108 9.9 8.1 12.1

92 118.4 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

9.66

500000

400000

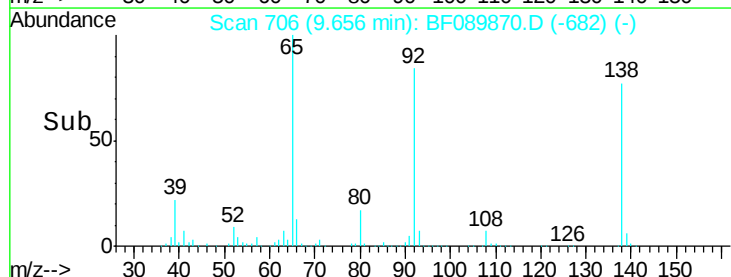
300000

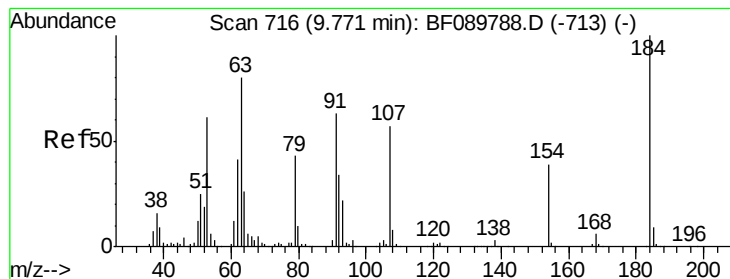
200000

100000

0

Time-->

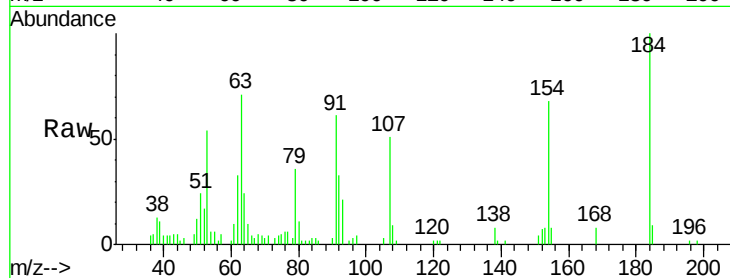




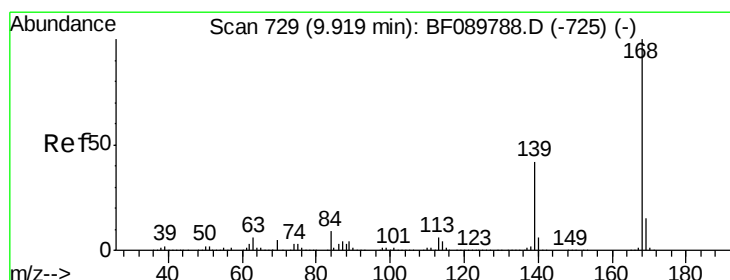
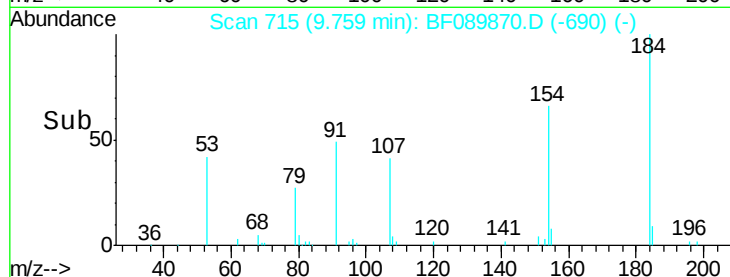
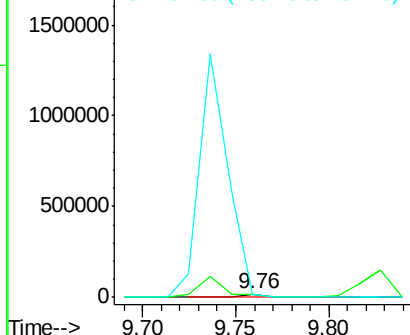
#53
2,4-Dinitrophenol
Concen: 6.25 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Instrument :
BNA_F
ClientSampleId :
AST-1MSD

Tgt Ion:184 Resp: 17832
Ion Ratio Lower Upper
184 100
63 71.2 54.2 81.4
154 68.3 52.7 79.1

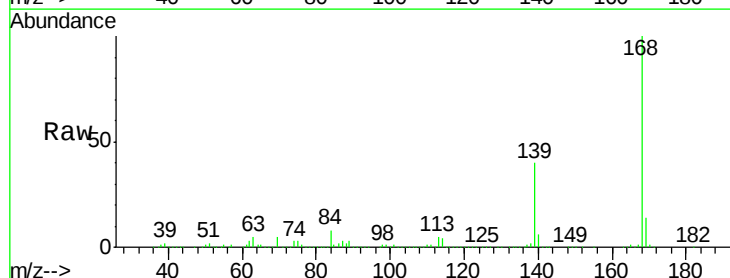


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

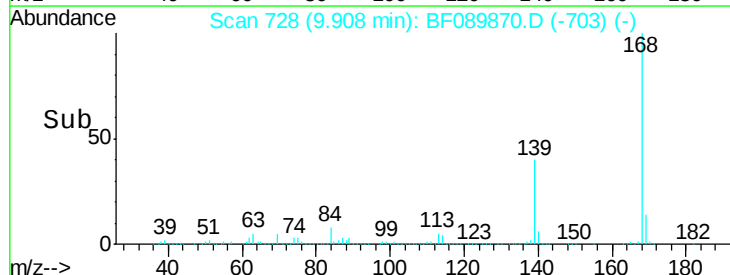
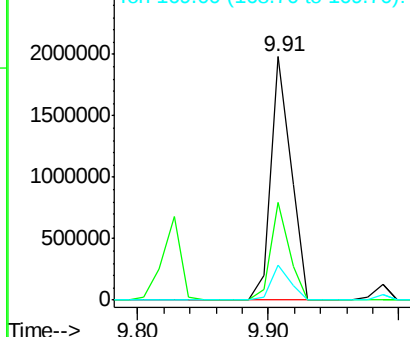


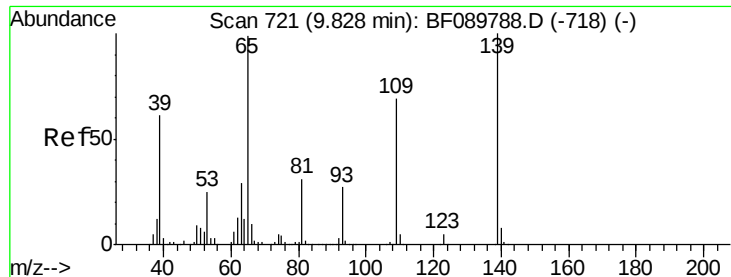
#54
Dibenzofuran
Concen: 39.09 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Tgt Ion:168 Resp: 2150674
Ion Ratio Lower Upper
168 100
139 40.1 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

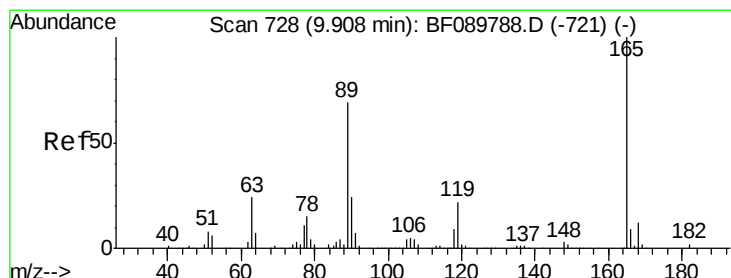
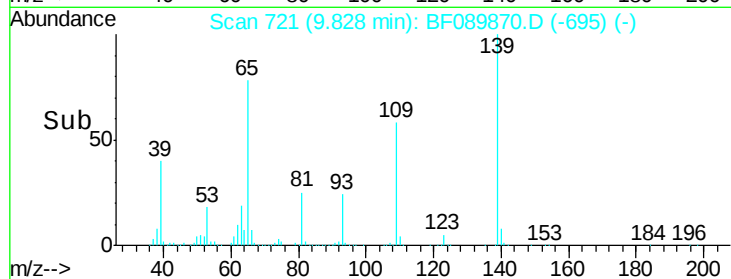
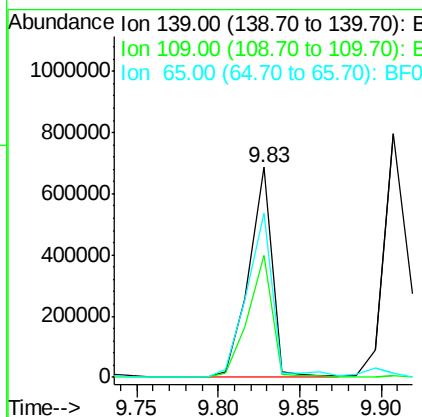
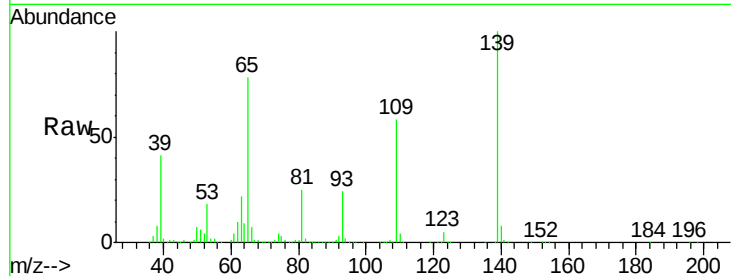




#55
4-Nitrophenol
Concen: 64.68 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

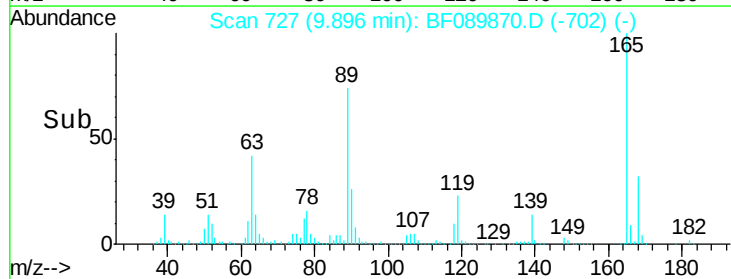
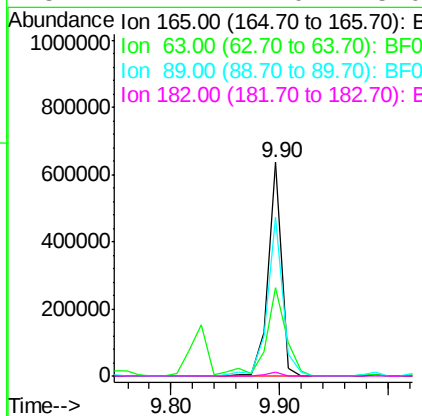
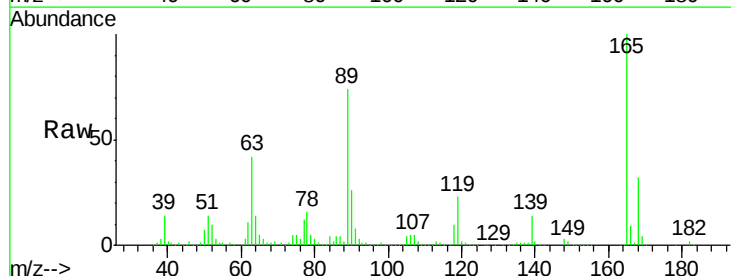
Instrument :
BNA_F
ClientSampleId :
AST-1MSD

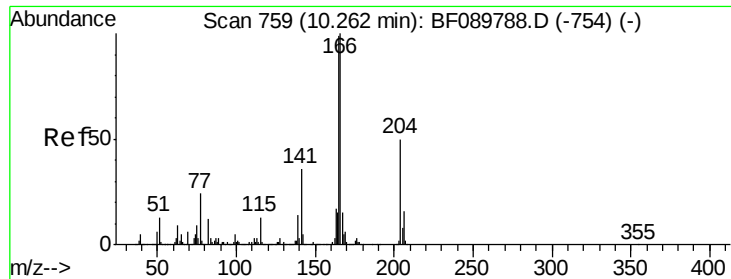
Tgt Ion:139 Resp: 684527
Ion Ratio Lower Upper
139 100
109 58.4 43.0 83.0
65 78.0 55.7 95.7



#56
2,4-Dinitrotoluene
Concen: 36.15 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Tgt Ion:165 Resp: 549007
Ion Ratio Lower Upper
165 100
63 41.6 23.7 35.5#
89 74.1 44.0 66.0#
182 2.1 2.0 3.0





#57

Fluorene

Concen: 35.45 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

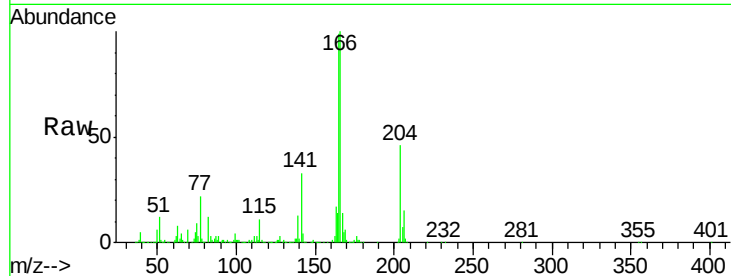
Tgt Ion:166 Resp: 1554230

Ion Ratio Lower Upper

166 100

165 98.9 80.2 120.4

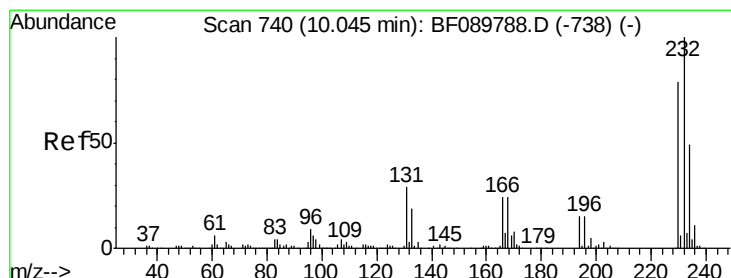
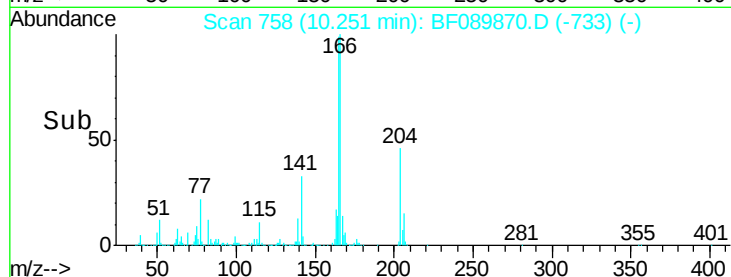
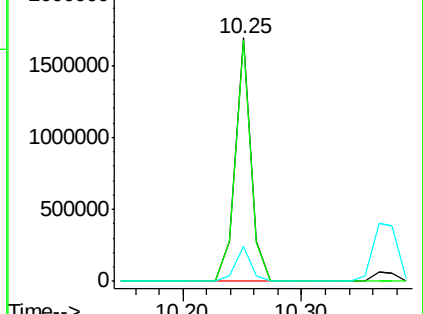
167 14.3 11.3 16.9



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: 38.09 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Tgt Ion:232 Resp: 404357

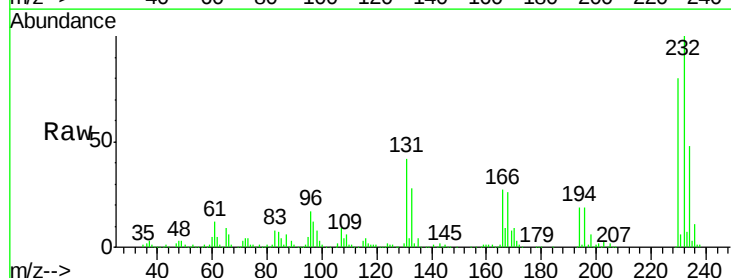
Ion Ratio Lower Upper

232 100

131 46.0 42.5 63.7

130 2.3 2.2 3.4

166 27.8 27.3 40.9

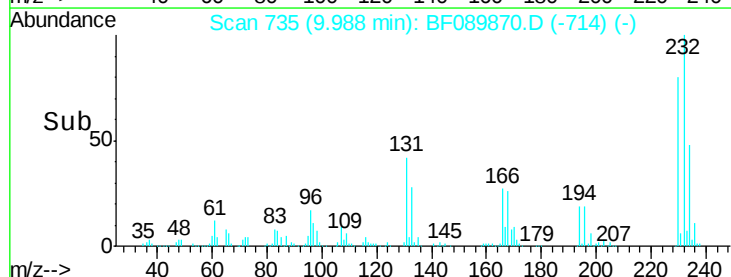
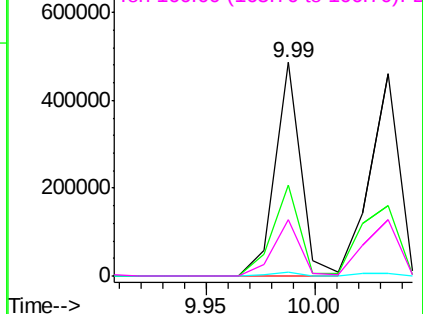


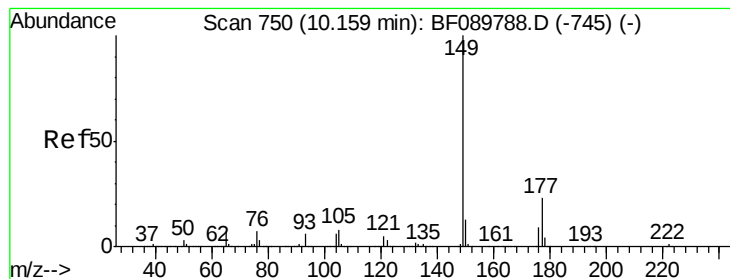
Abundance Ion 232.00 (231.70 to 232.70): E

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: 37.76 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

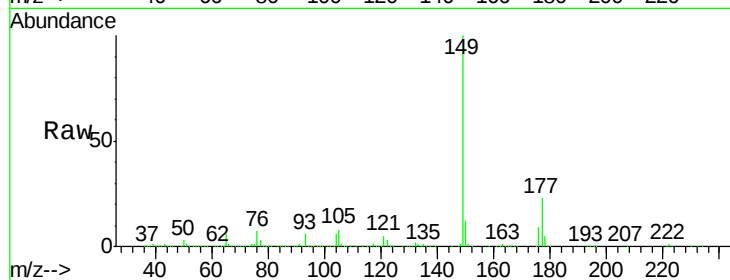
Tgt Ion:149 Resp: 1944237

Ion Ratio Lower Upper

149 100

177 23.2 16.6 25.0

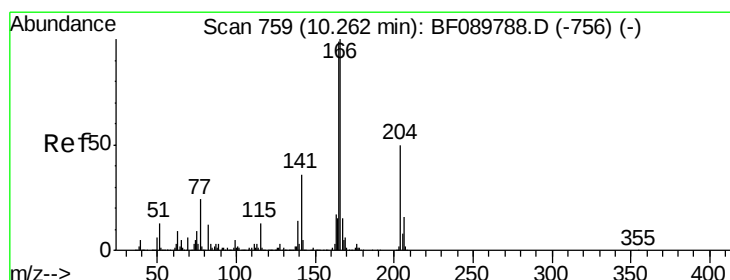
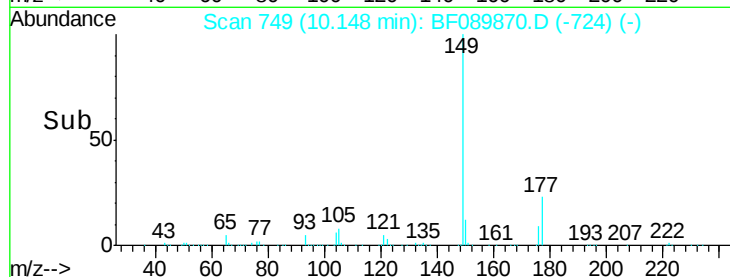
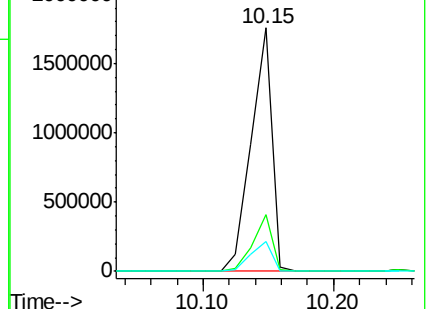
150 12.4 10.5 15.7



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: 34.75 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

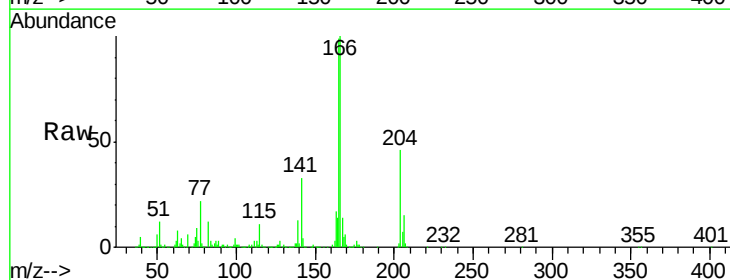
Tgt Ion:204 Resp: 694997

Ion Ratio Lower Upper

204 100

206 33.0 26.5 39.7

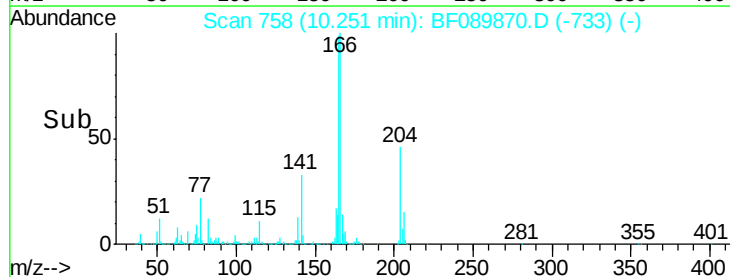
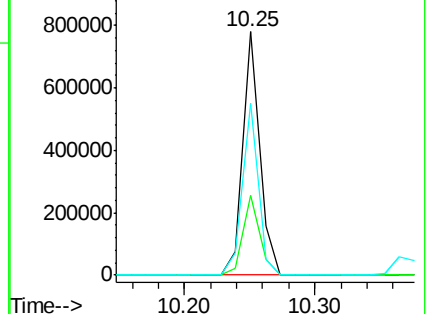
141 70.7 54.1 81.1

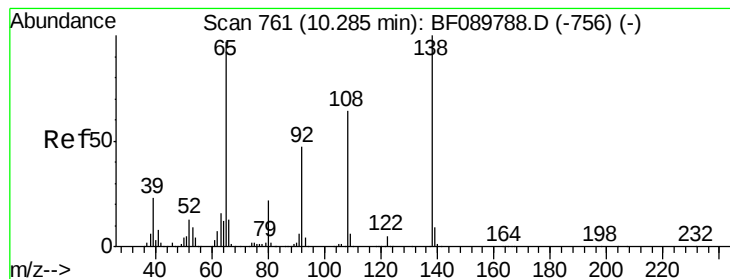


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 42.27 ng

RT: 10.27 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

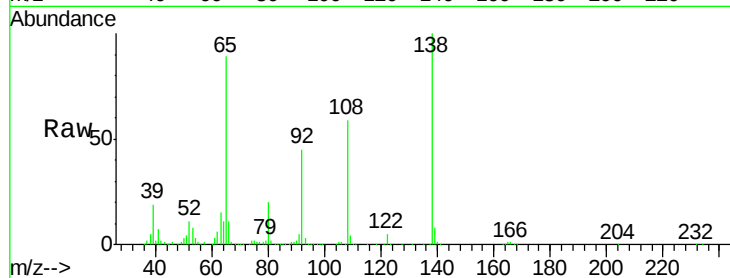
Tgt Ion:138 Resp: 513818

Ion Ratio Lower Upper

138 100

92 44.7 26.4 66.4

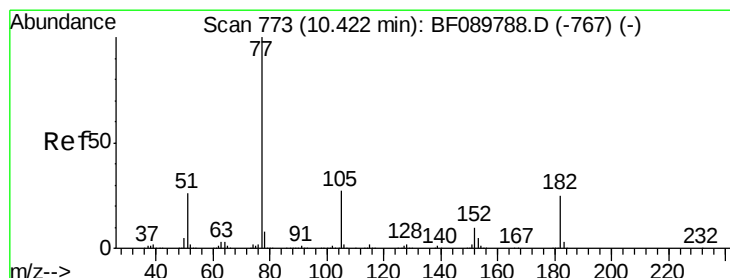
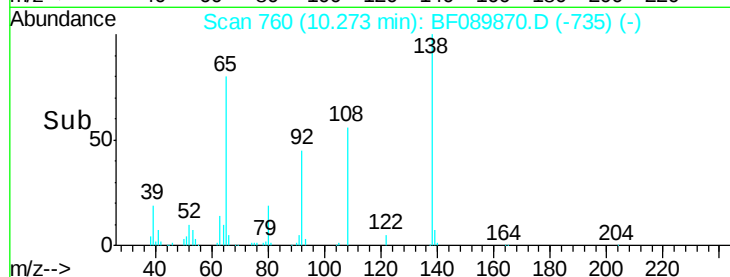
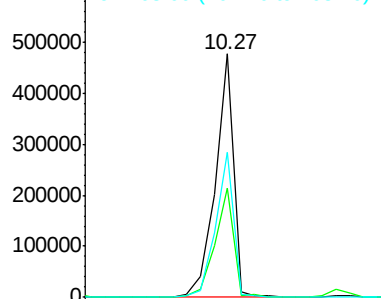
108 59.4 47.0 87.0



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: 39.96 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Tgt Ion: 77 Resp: 1934357

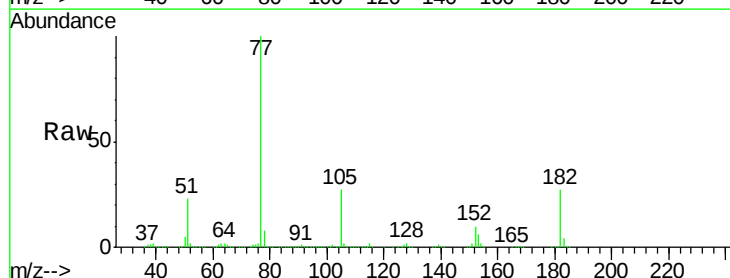
Ion Ratio Lower Upper

77 100

182 26.6 5.6 45.6

105 27.0 4.0 44.0

51 23.2 7.8 47.8

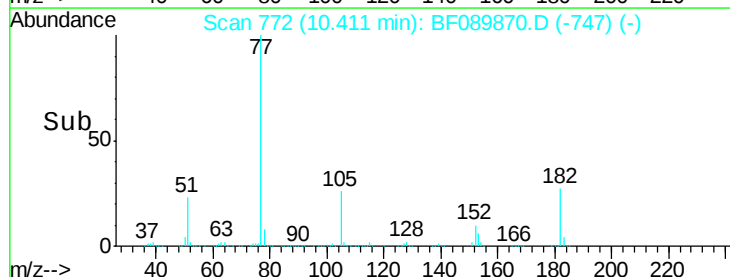
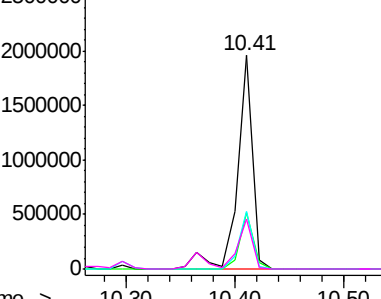


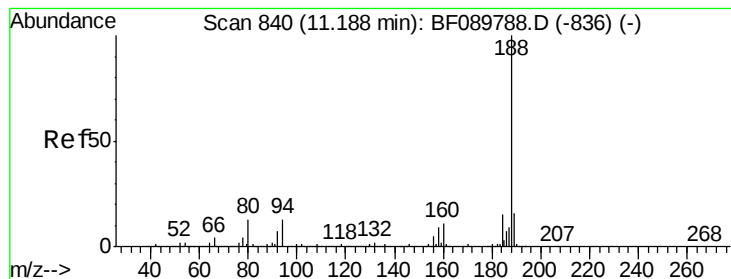
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

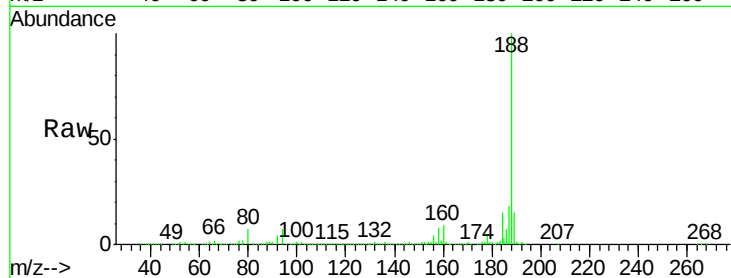
Tgt Ion:188 Resp: 1386337

Ion Ratio Lower Upper

188 100

94 7.0 10.2 15.2#

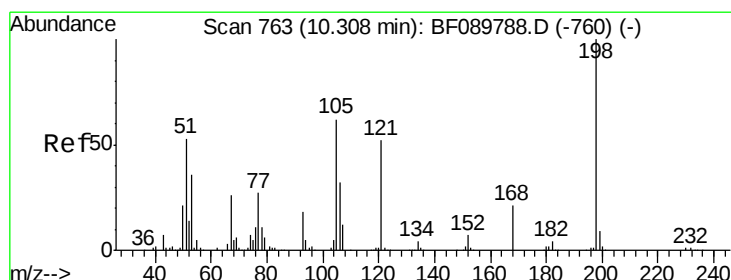
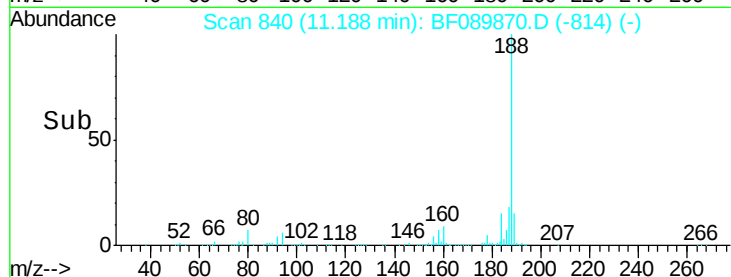
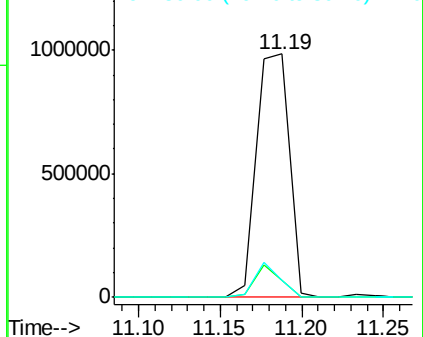
80 6.8 10.9 16.3#



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: 15.88 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

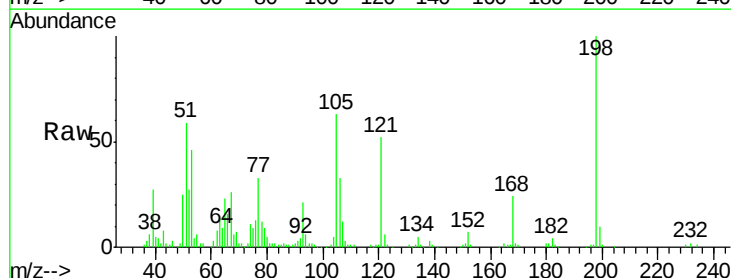
Tgt Ion:198 Resp: 126539

Ion Ratio Lower Upper

198 100

51 58.9 32.3 72.3

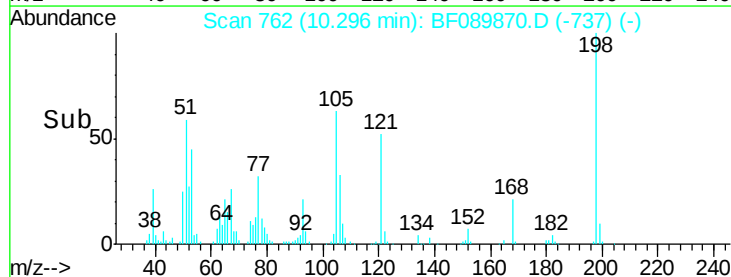
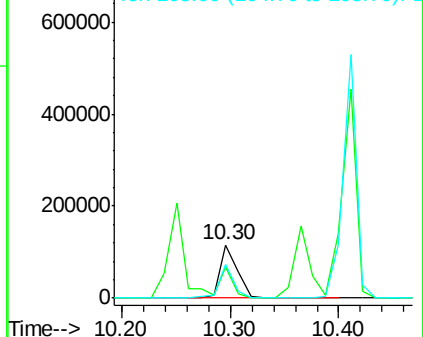
105 62.8 32.9 72.9

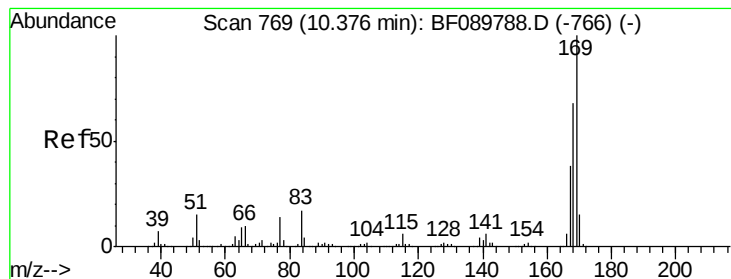


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 35.26 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

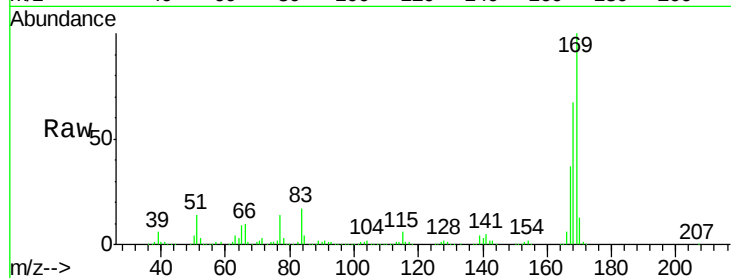
Tgt Ion:169 Resp: 1537055

Ion Ratio Lower Upper

169 100

168 67.3 54.6 82.0

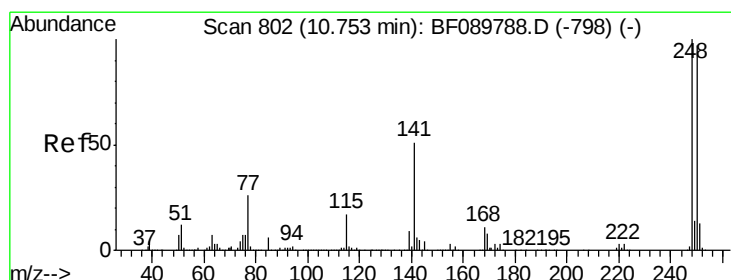
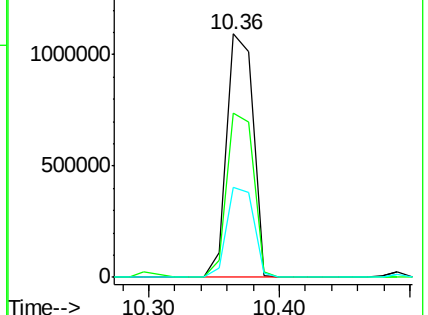
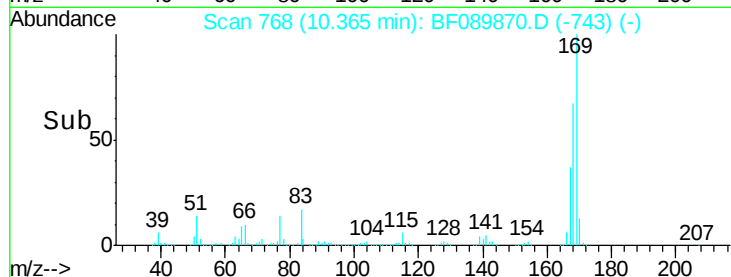
167 37.1 30.6 45.8



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: 35.45 ng

RT: 10.74 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

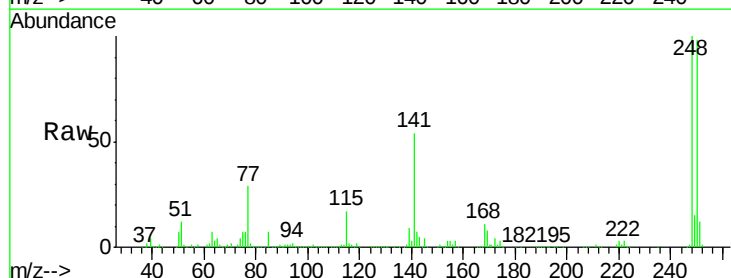
Tgt Ion:248 Resp: 515236

Ion Ratio Lower Upper

248 100

250 98.3 78.6 117.8

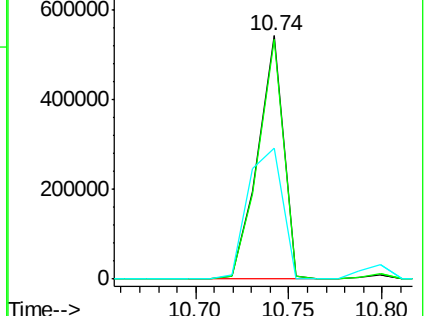
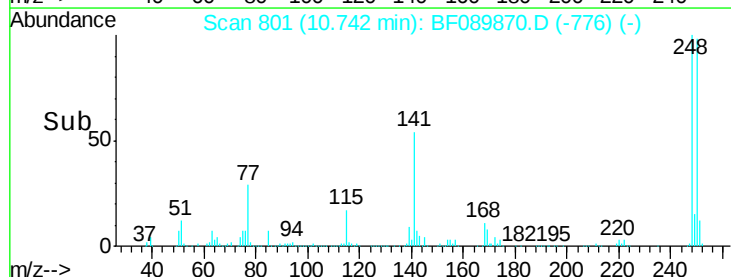
141 53.9 31.4 47.2#

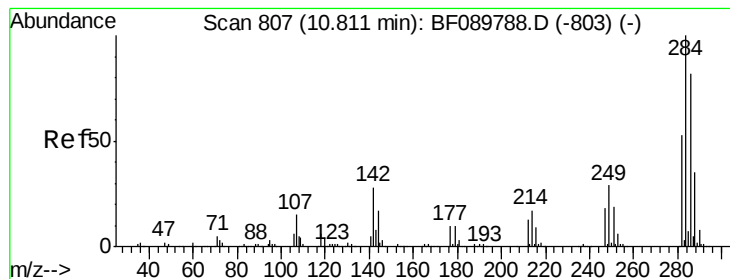


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 33.82 ng

RT: 10.80 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

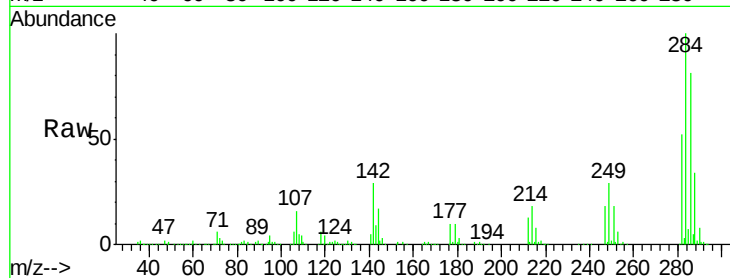
Tgt Ion:284 Resp: 560797

Ion Ratio Lower Upper

284 100

142 29.4 17.4 26.2#

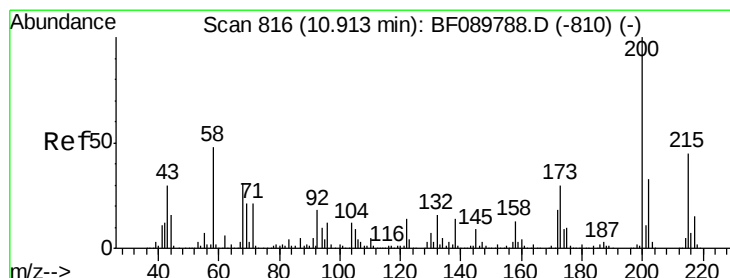
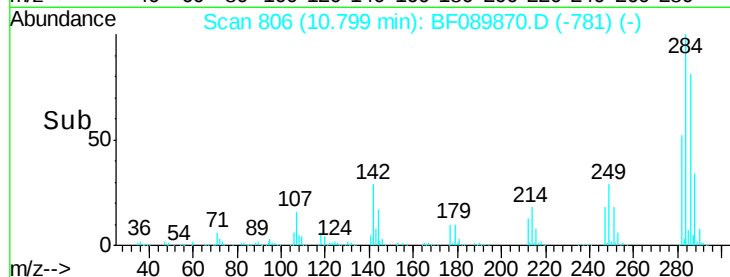
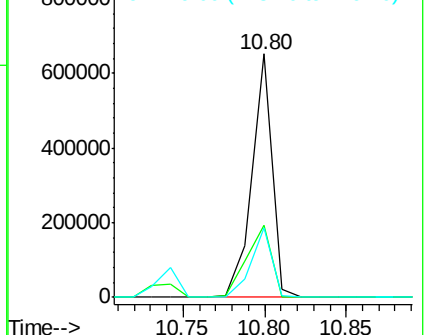
249 28.8 22.8 34.2



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: 34.03 ng

RT: 10.90 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

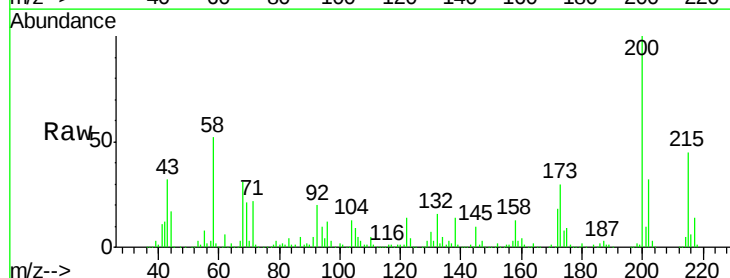
Tgt Ion:200 Resp: 454250

Ion Ratio Lower Upper

200 100

173 29.6 6.6 46.6

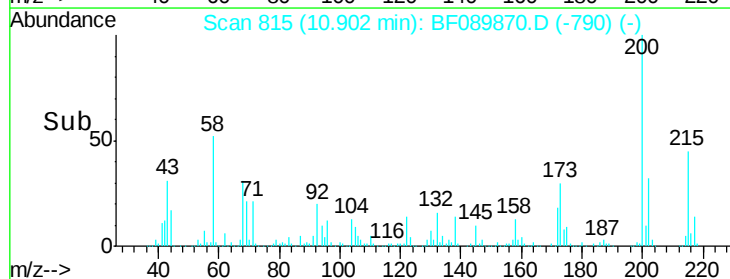
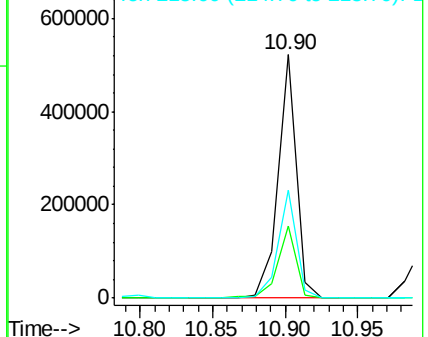
215 44.6 24.7 64.7

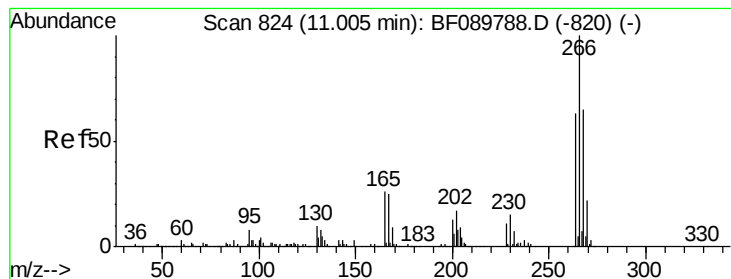


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 55.44 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

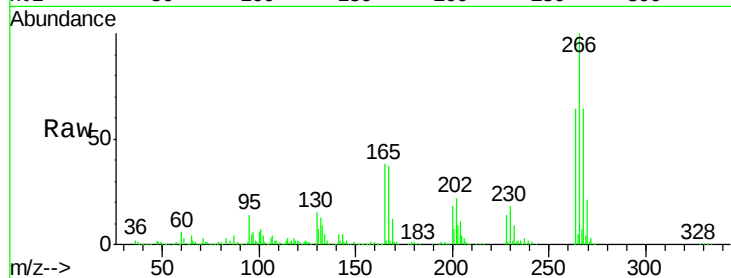
Tgt Ion:266 Resp: 521044

Ion Ratio Lower Upper

266 100

268 64.3 53.2 79.8

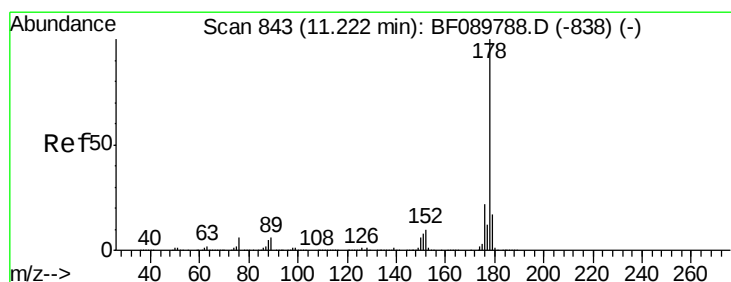
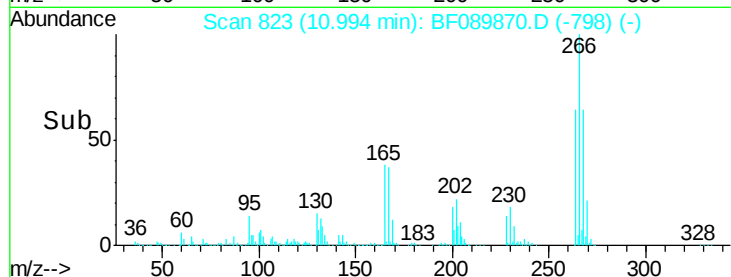
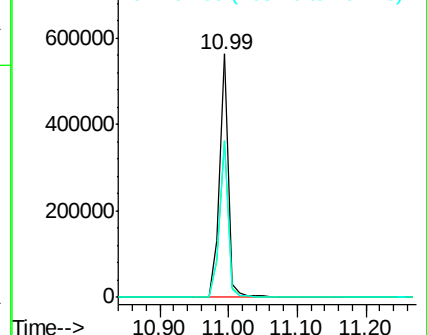
264 64.2 51.1 76.7



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: 39.94 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

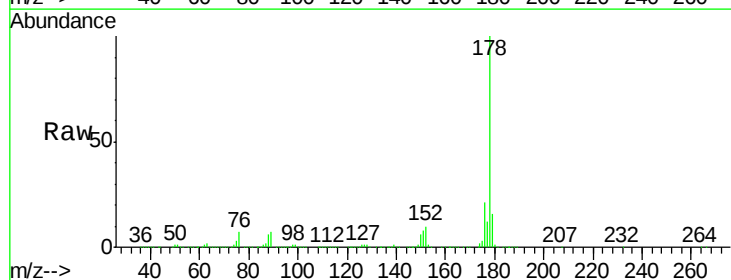
Tgt Ion:178 Resp: 2796793

Ion Ratio Lower Upper

178 100

176 20.9 16.4 24.6

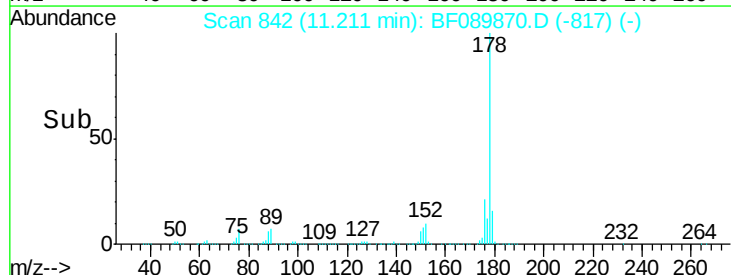
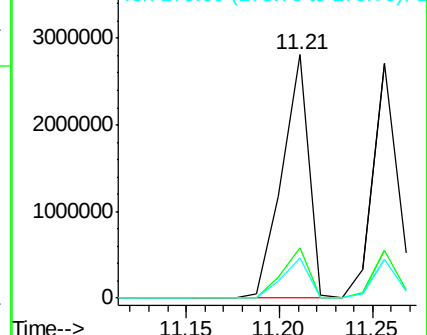
179 16.3 12.5 18.7

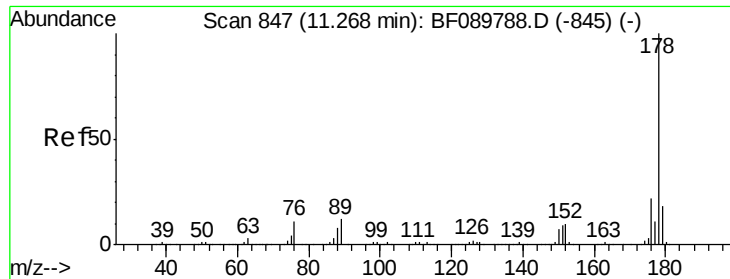


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

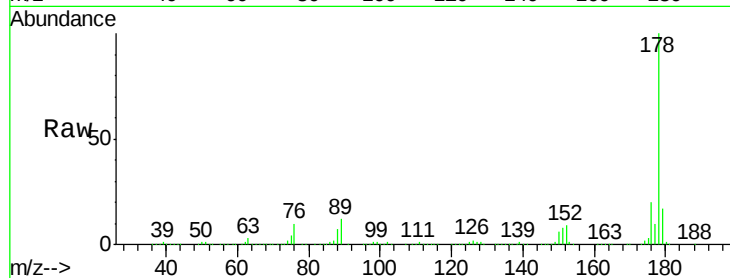




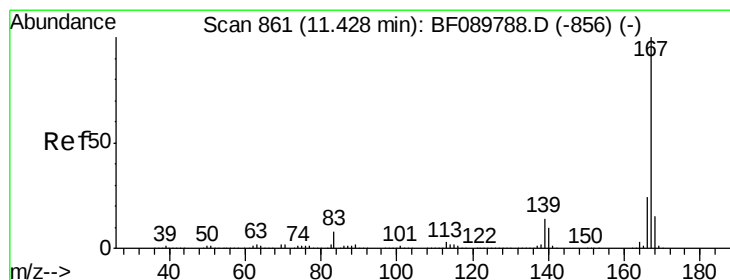
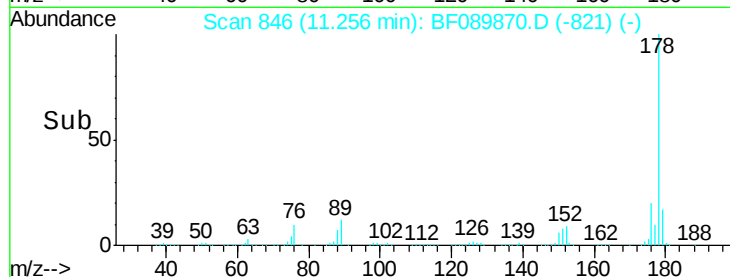
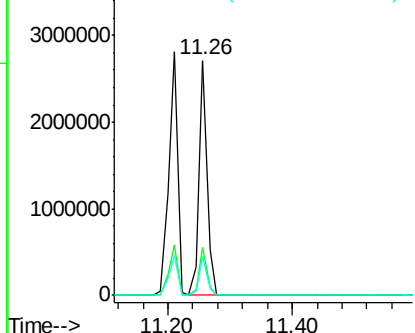
#71
 Anthracene
 Concen: 34.70 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

Tgt Ion:178 Resp: 2469533
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.4 24.6
 179 16.8 13.1 19.7

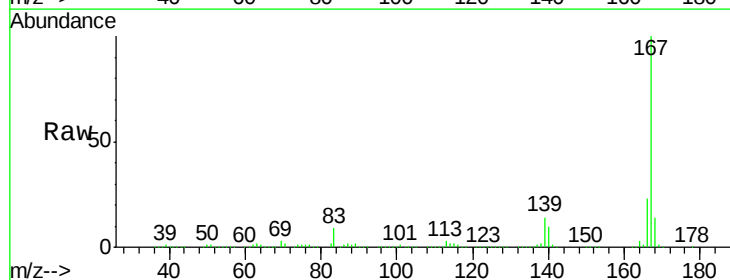


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

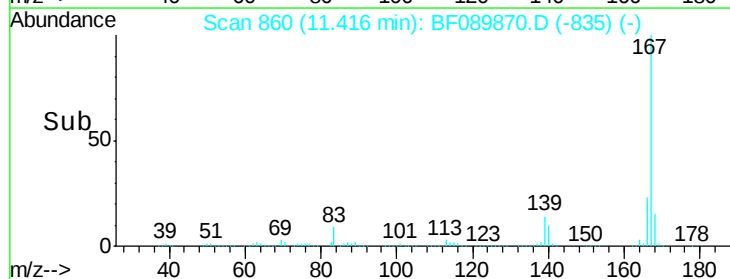
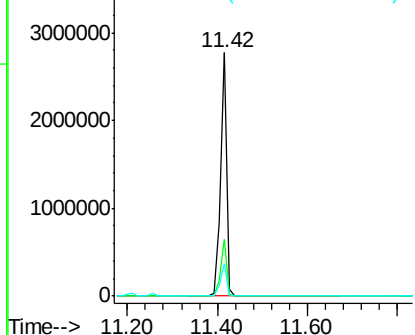


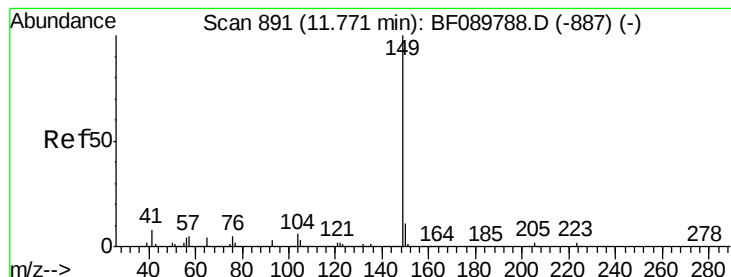
#72
 Carbazole
 Concen: 40.38 ng
 RT: 11.42 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion:167 Resp: 2577696
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.9 26.9
 139 13.5 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: 37.28 ng

RT: 11.77 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

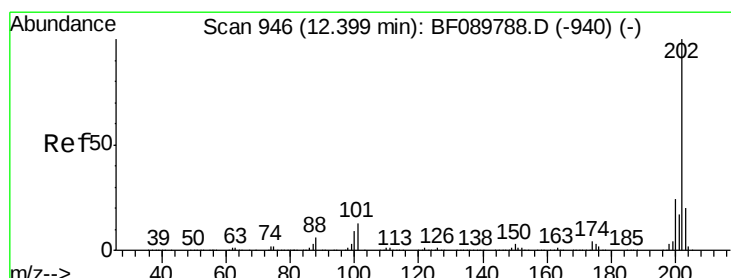
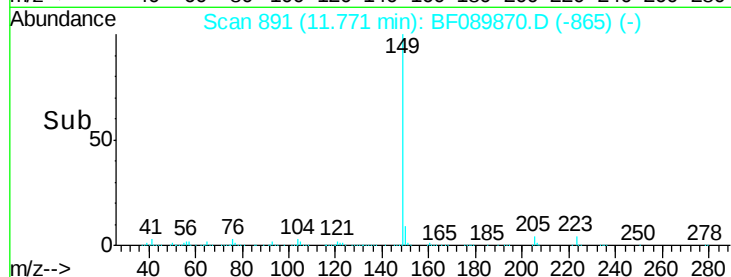
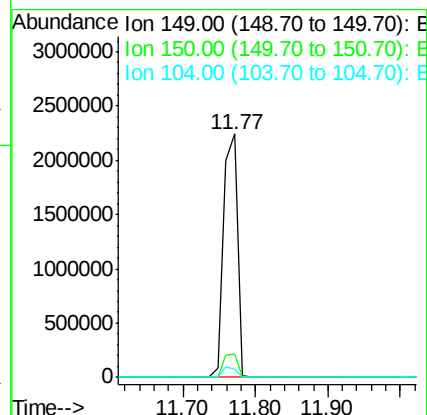
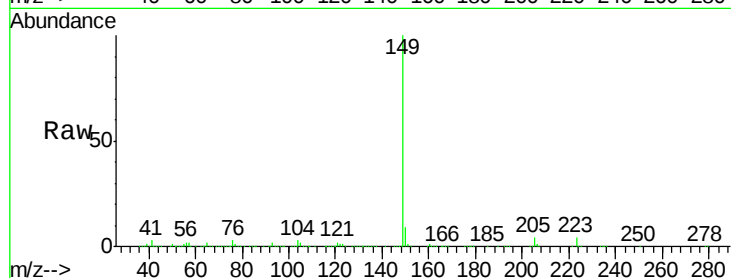
Tgt Ion:149 Resp: 2977314

Ion Ratio Lower Upper

149 100

150 9.5 7.9 11.9

104 3.4 4.3 6.5#



#74

Fluoranthene

Concen: 38.78 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

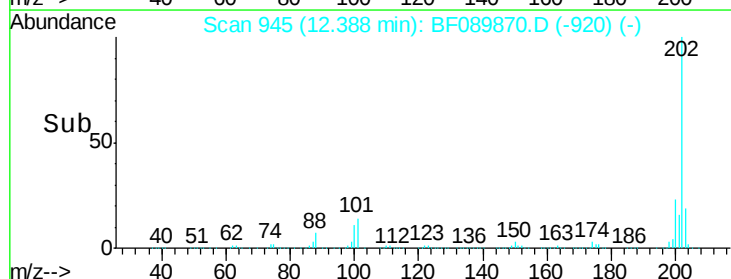
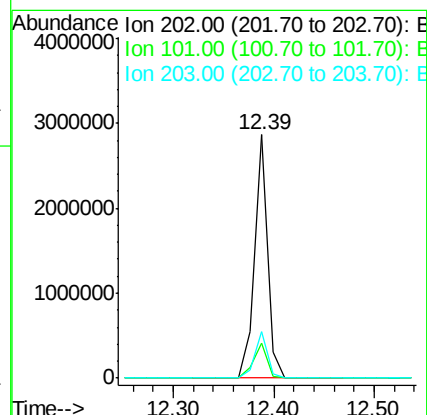
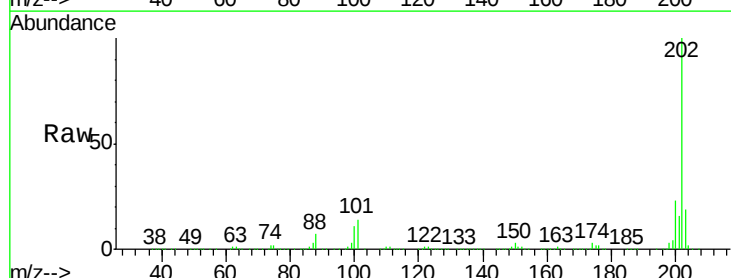
Tgt Ion:202 Resp: 2582656

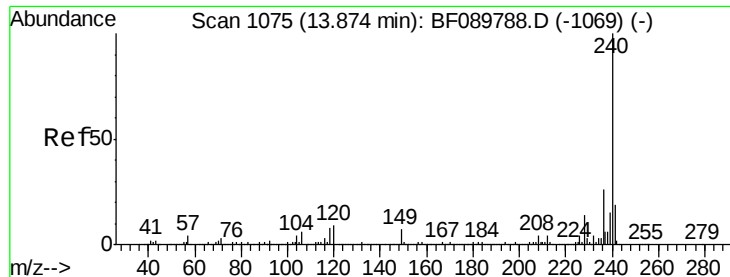
Ion Ratio Lower Upper

202 100

101 14.3 0.0 31.2

203 19.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

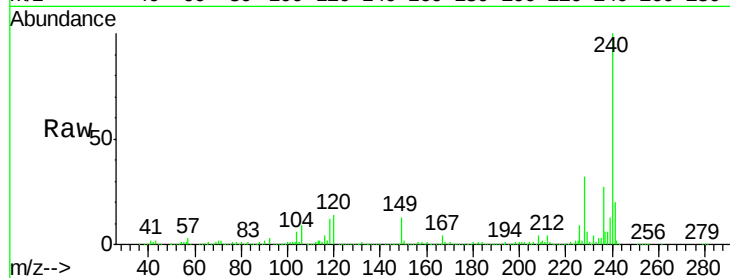
Tgt Ion:240 Resp: 1161495

Ion Ratio Lower Upper

240 100

120 14.1 8.3 12.5#

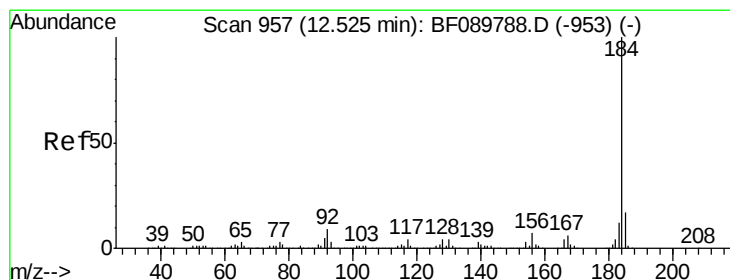
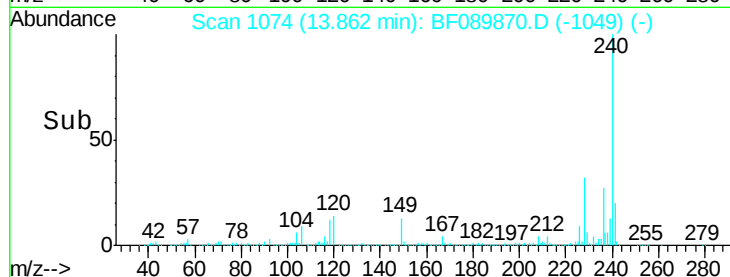
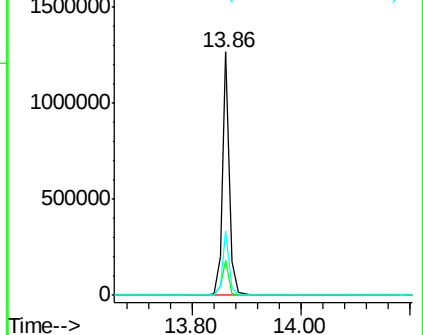
236 26.6 21.3 31.9



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: 27.57 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

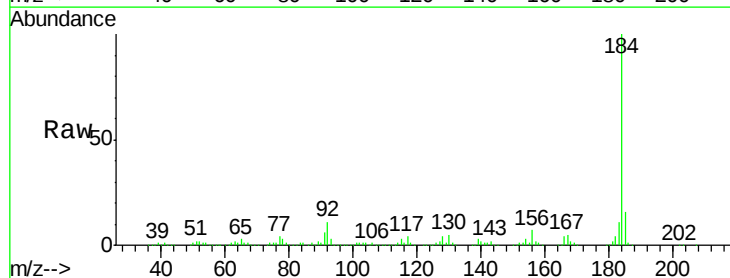
Tgt Ion:184 Resp: 1036215

Ion Ratio Lower Upper

184 100

185 16.5 13.8 20.8

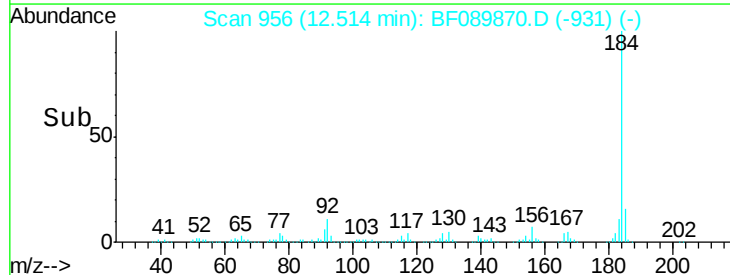
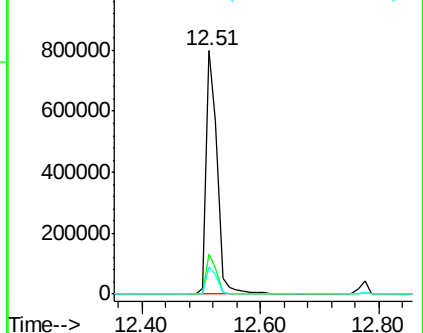
183 11.3 9.7 14.5

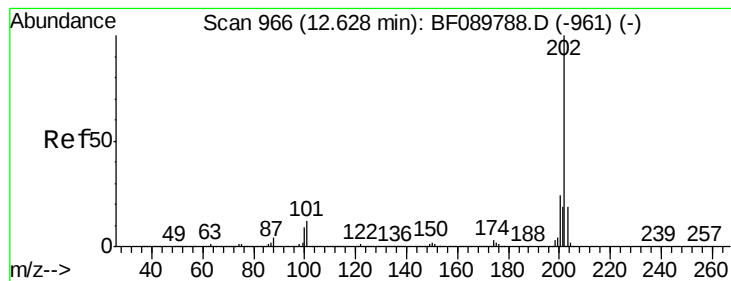


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 28.38 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

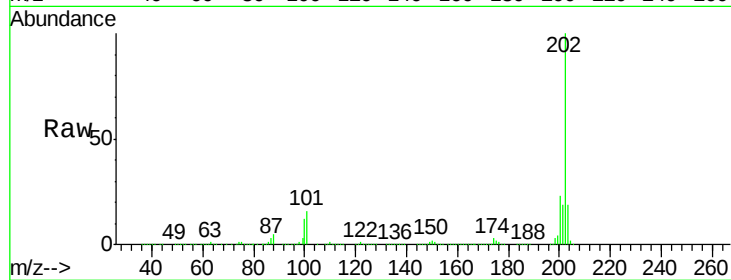
Tgt Ion:202 Resp: 2683973

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.6

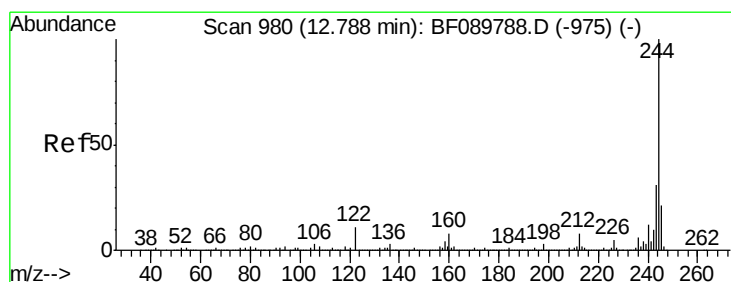
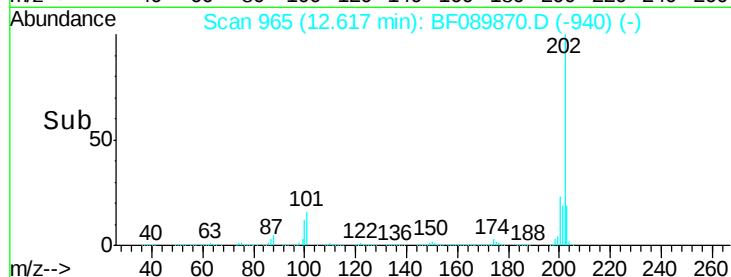
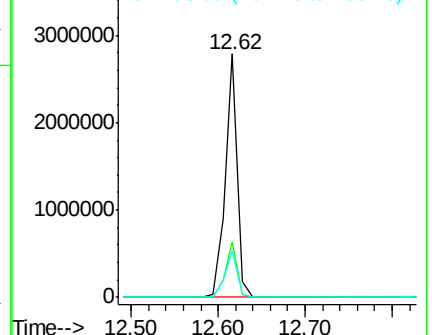
203 19.1 14.2 21.4



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: 54.10 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

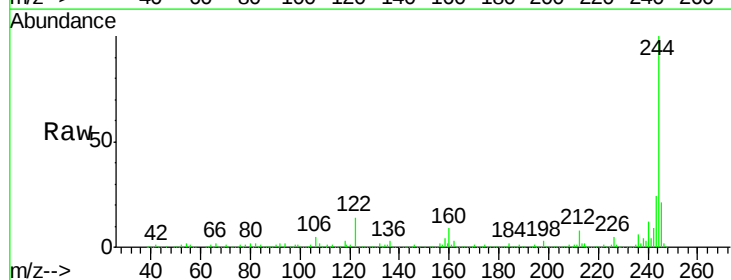
Tgt Ion:244 Resp: 2777312

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

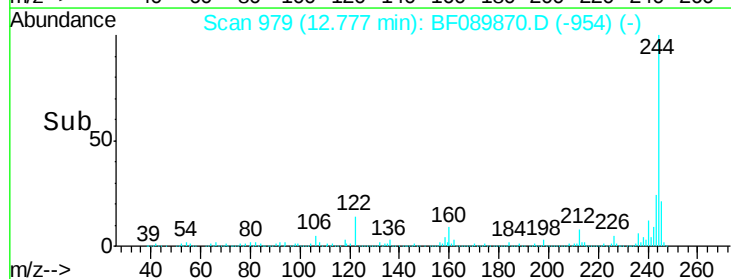
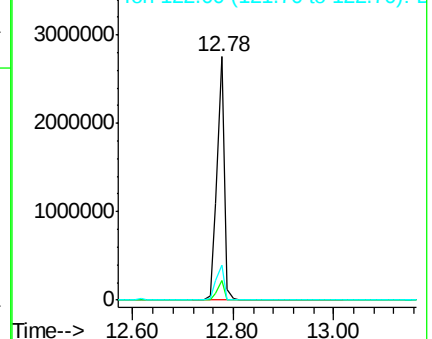
122 14.2 12.0 18.0

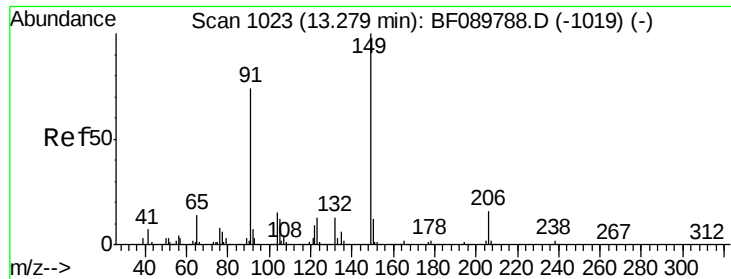


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 30.42 ng

RT: 13.27 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

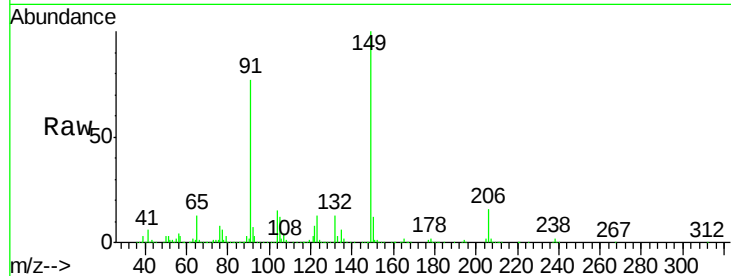
Tgt Ion:149 Resp: 1299462

Ion Ratio Lower Upper

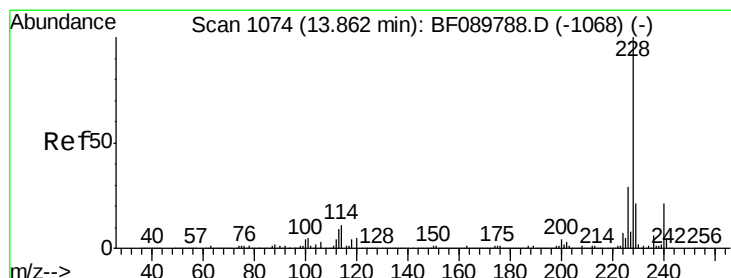
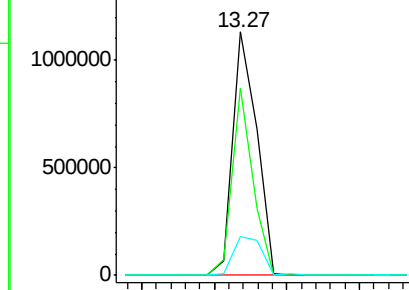
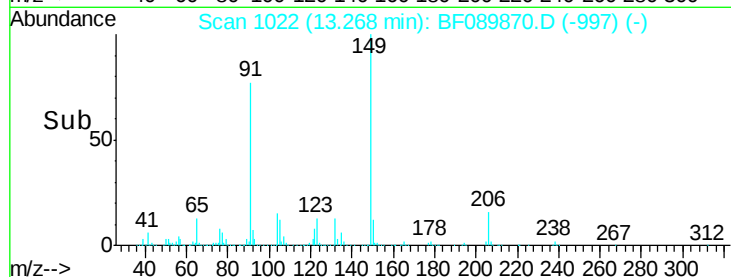
149 100

91 76.7 50.7 76.1#

206 15.9 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: 35.09 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

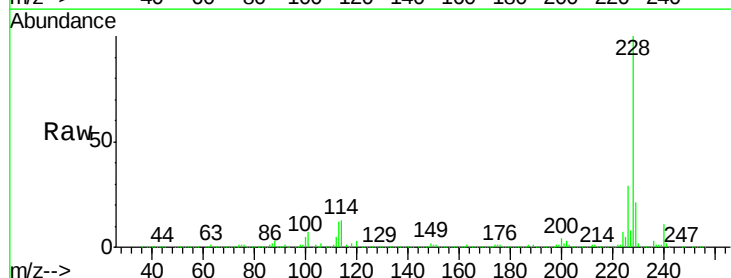
Tgt Ion:228 Resp: 2334389

Ion Ratio Lower Upper

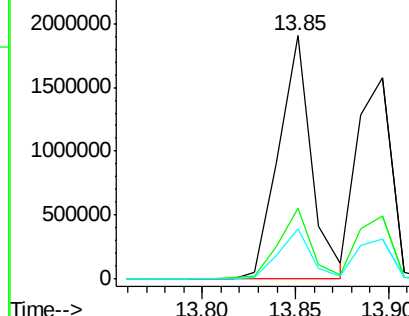
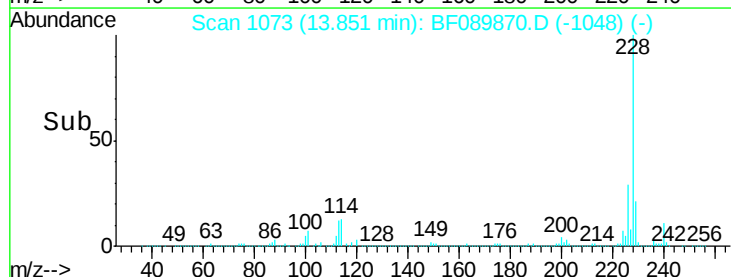
228 100

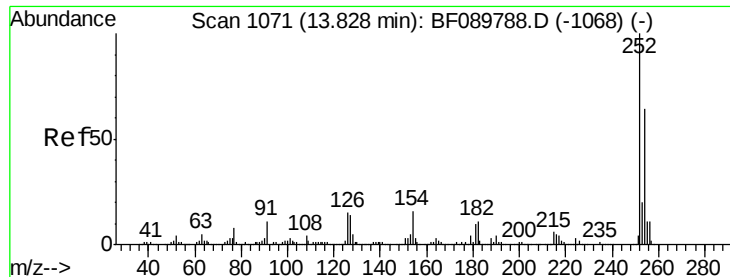
226 29.0 23.2 34.8

229 20.7 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

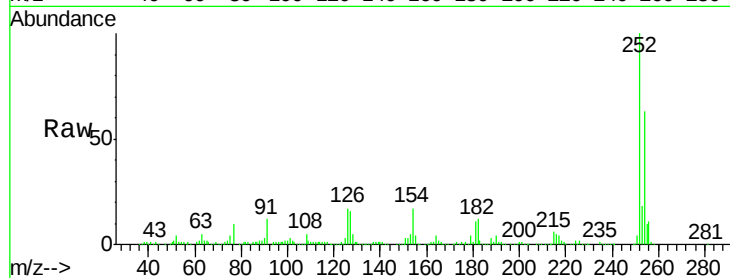




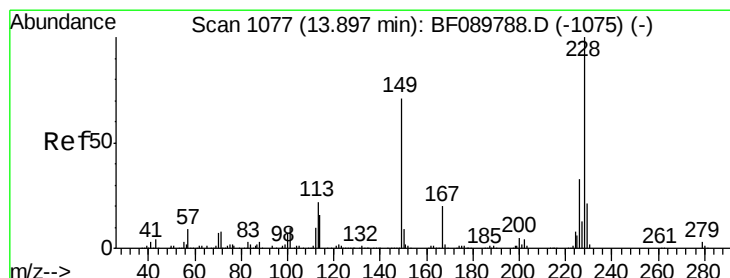
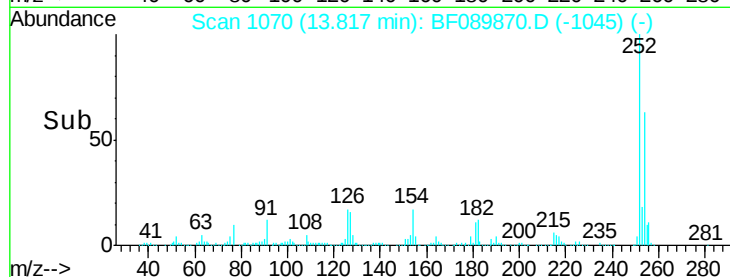
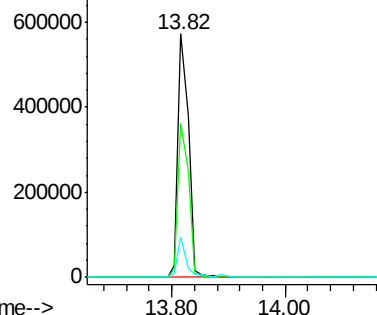
#81
 3,3'-Dichlorobenzidine
 Concen: 32.14 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.3	50.6	75.8
126	16.6	12.6	18.8

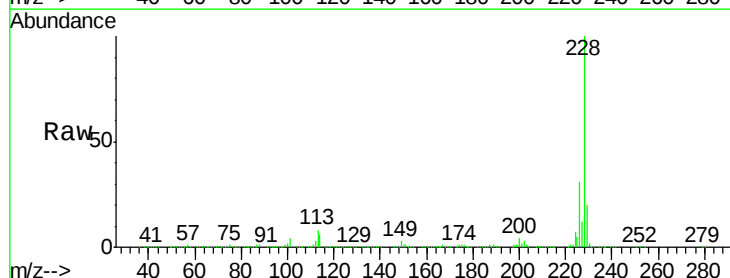


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

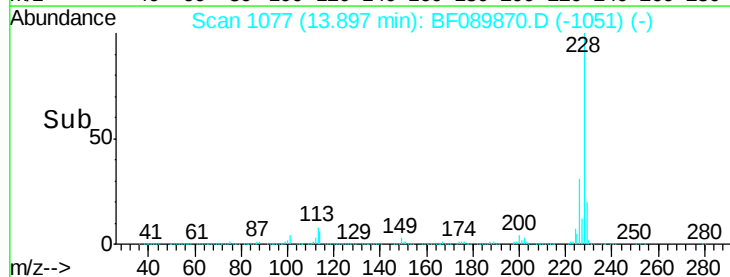
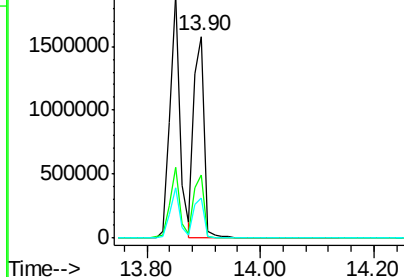


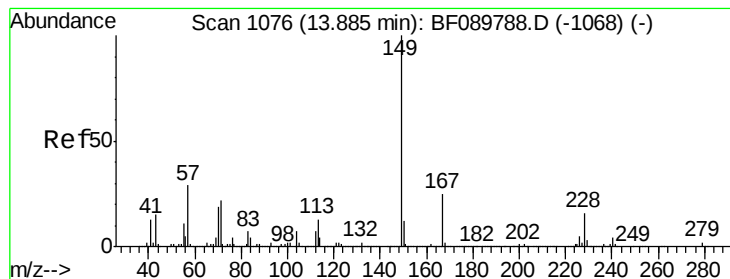
#82
 Chrysene
 Concen: 35.94 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.0
229	20.1	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: 35.55 ng

RT: 13.89 min Scan# 1076

Delta R.T. 0.00 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

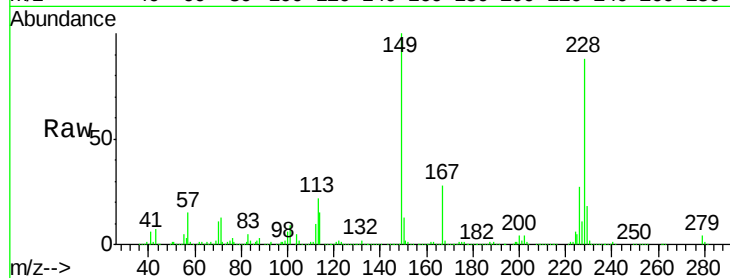
Tgt Ion:149 Resp: 2091764

Ion Ratio Lower Upper

149 100

167 27.9 21.2 31.8

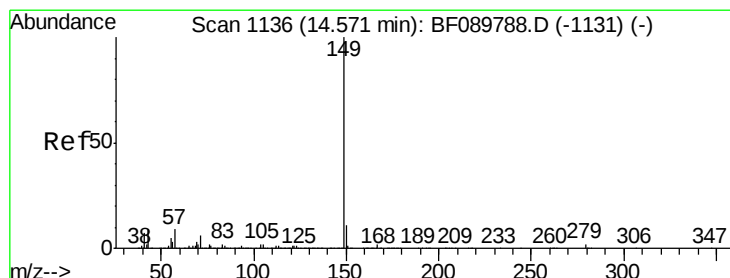
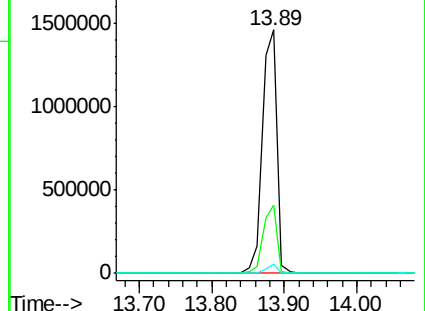
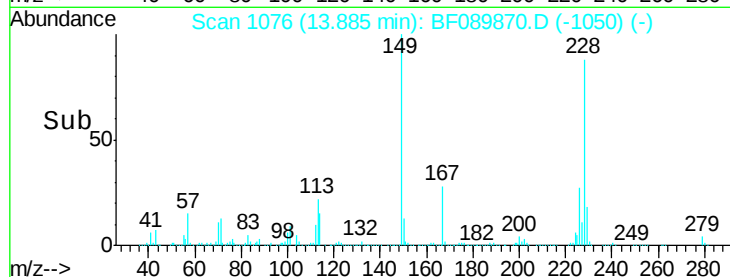
279 3.9 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 40.90 ng

RT: 14.57 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

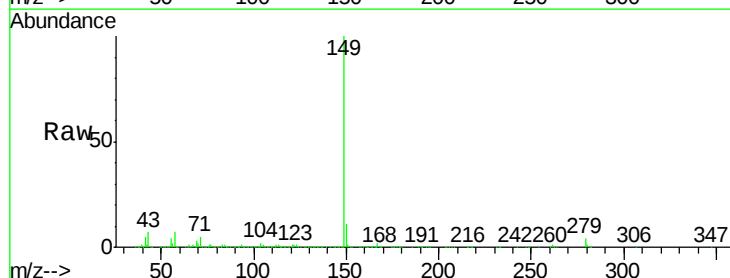
Tgt Ion:149 Resp: 3197968

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

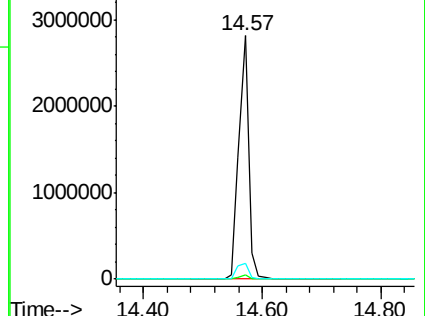
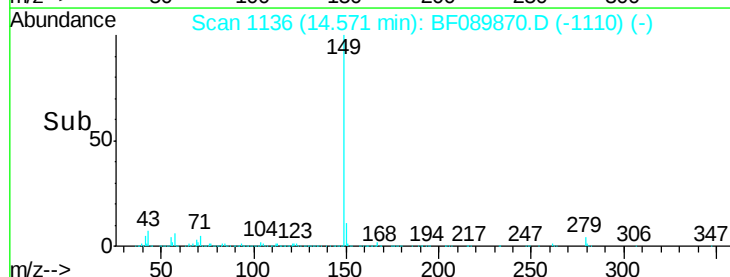
43 8.0 8.4 12.6#

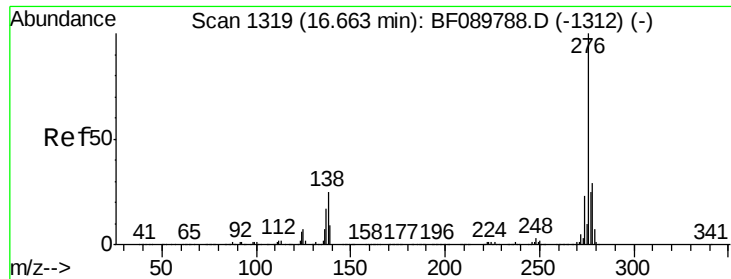


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

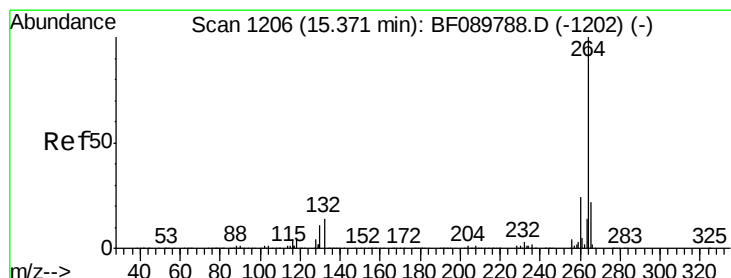
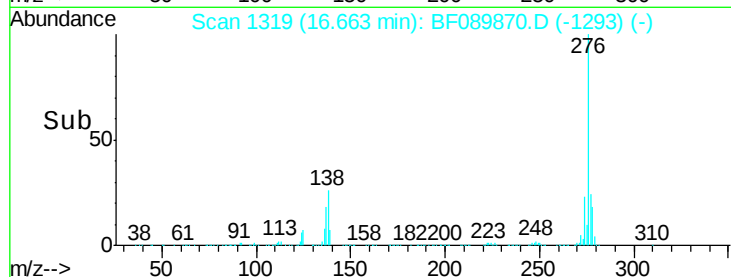
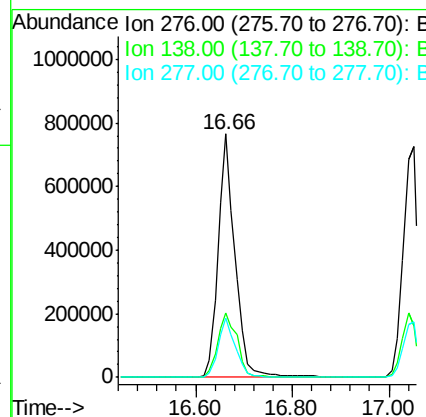
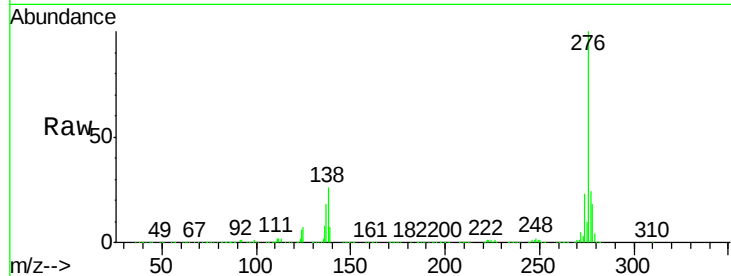




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 25.92 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

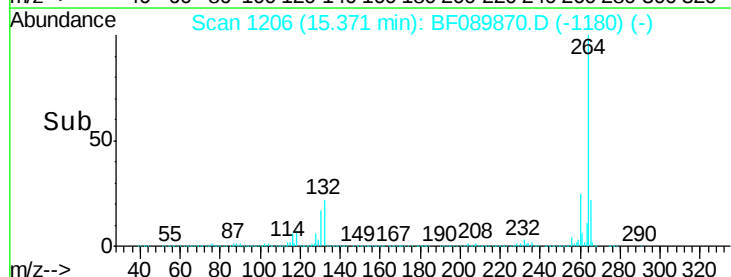
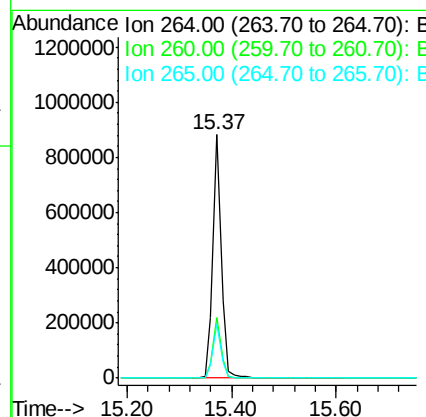
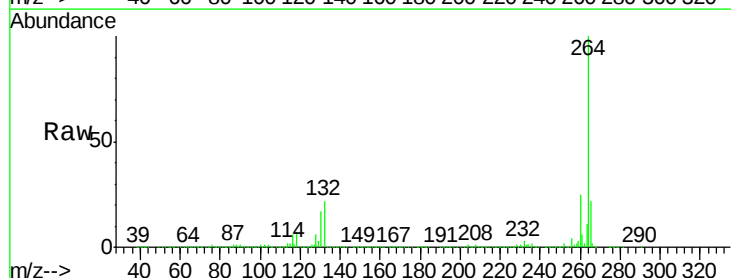
Instrument :
 BNA_F
 ClientSampleId :
 AST-1MSD

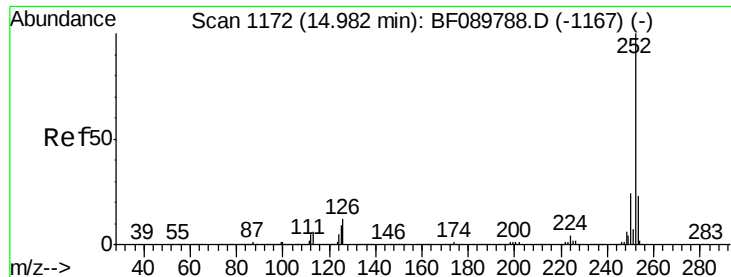
Tgt Ion:276 Resp: 1885890
 Ion Ratio Lower Upper
 276 100
 138 30.9 24.6 36.8
 277 25.0 20.4 30.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BF089870.D
 Acq: 24 Aug 2016 13:23

Tgt Ion:264 Resp: 1001746
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.2 30.2
 265 22.5 17.4 26.2

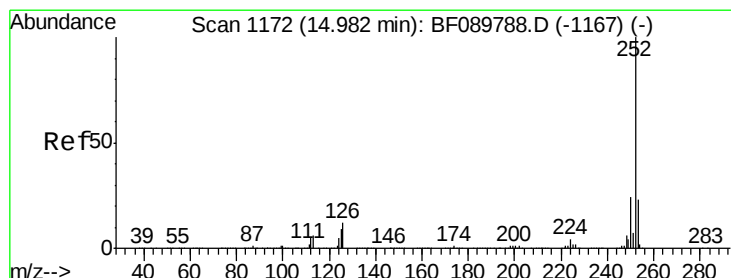
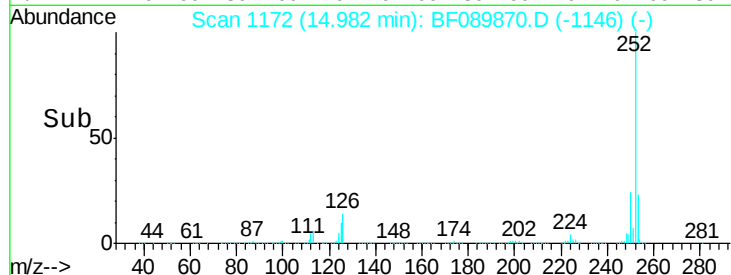
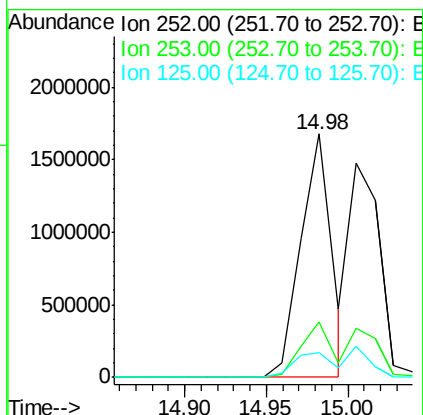
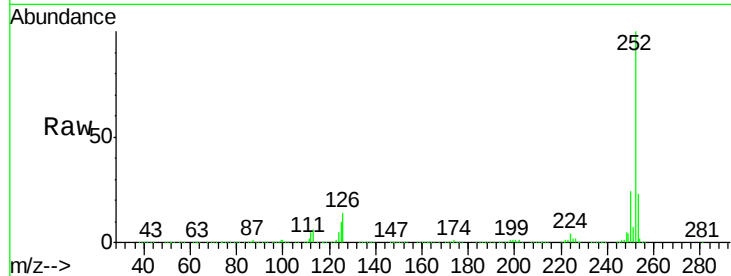




#87
Benzo(b)fluoranthene
Concen: 39.93 ng
RT: 14.98 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

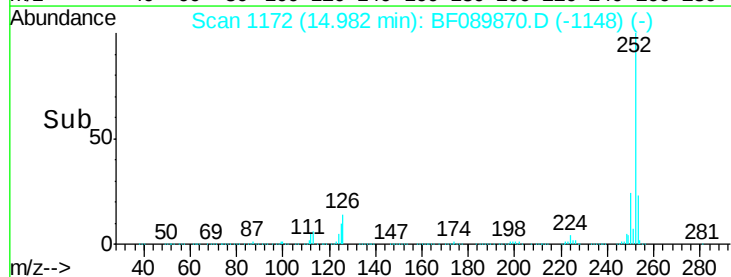
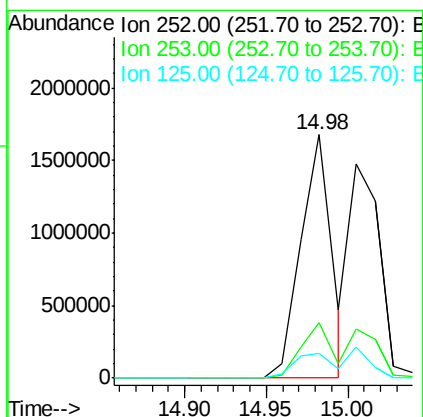
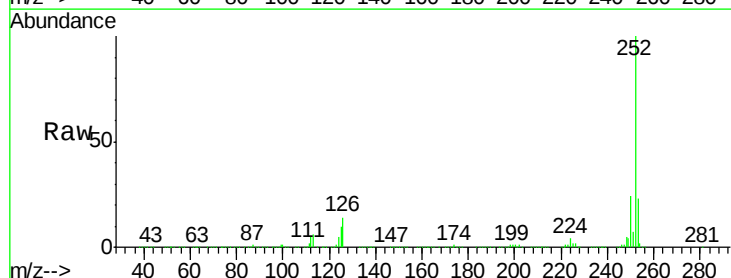
Instrument :
BNA_F
ClientSampleId :
AST-1MSD

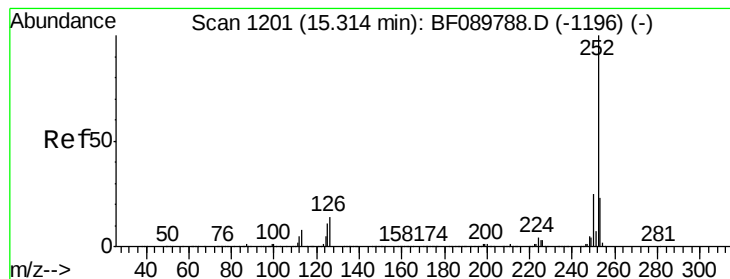
Tgt Ion:252 Resp: 2200220
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.2 11.4 17.2#



#88
Benzo(k)fluoranthene
Concen: 44.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089870.D
Acq: 24 Aug 2016 13:23

Tgt Ion:252 Resp: 2200220
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 10.2 9.8 14.6





#89

Benzo(a)pyrene

Concen: 36.61 ng

RT: 15.31 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

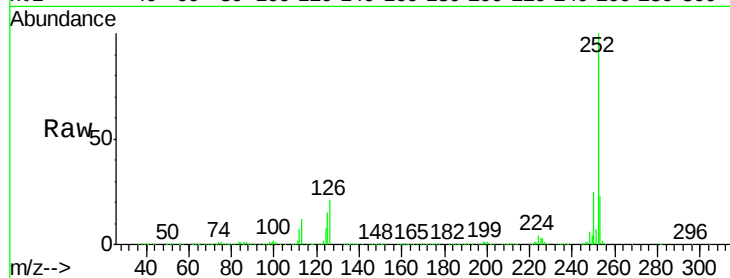
Tgt Ion:252 Resp: 1909494

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

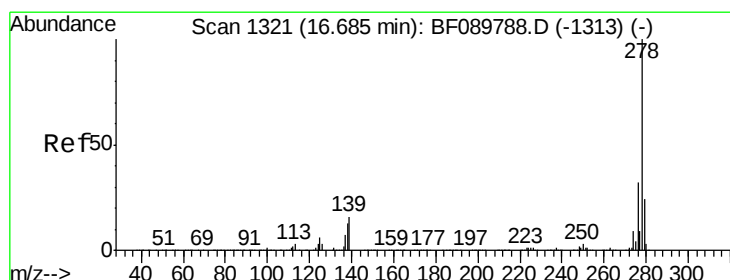
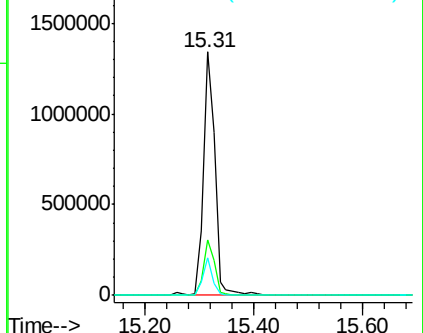
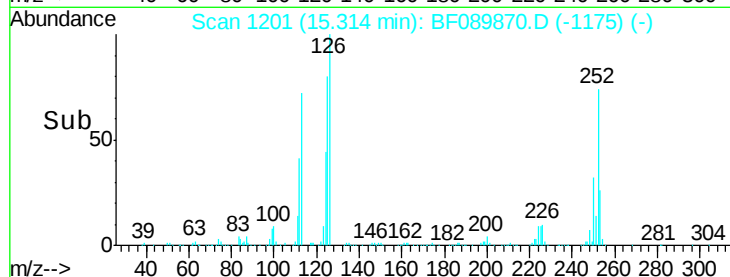
125 15.4 11.7 17.5



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



#90

Dibenzo(a,h)anthracene

Concen: 27.48 ng

RT: 16.69 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

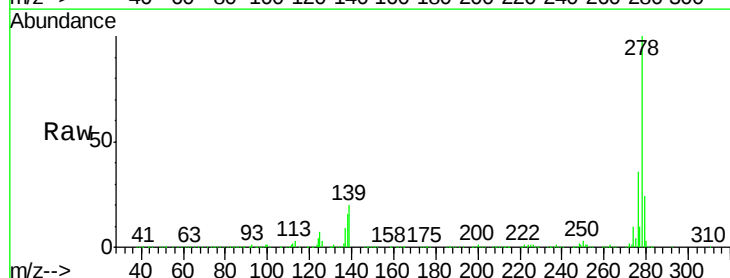
Tgt Ion:278 Resp: 1555839

Ion Ratio Lower Upper

278 100

139 20.1 14.9 22.3

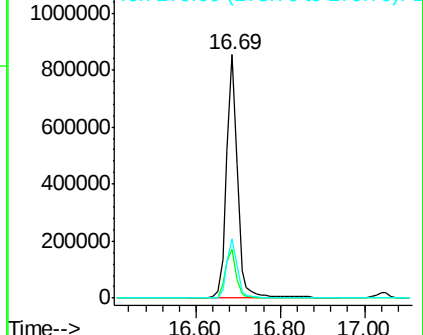
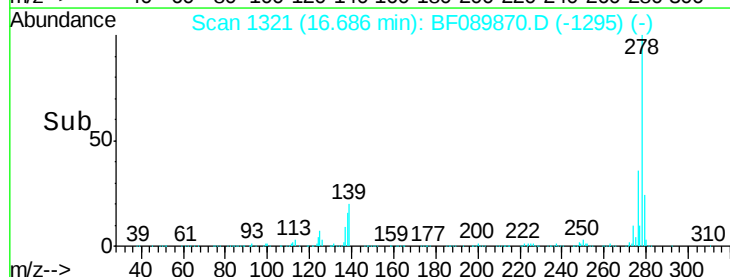
279 24.2 19.2 28.8

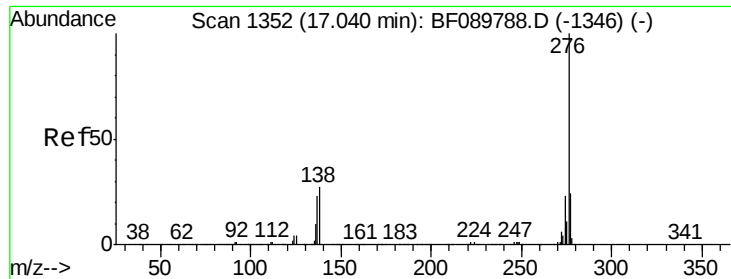


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 26.15 ng

RT: 17.05 min Scan# 1353

Delta R.T. 0.01 min

Lab File: BF089870.D

Acq: 24 Aug 2016 13:23

Instrument :

BNA_F

ClientSampleId :

AST-1MSD

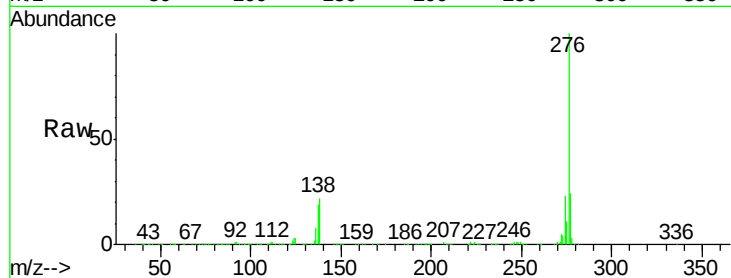
Tgt Ion:276 Resp: 1558984

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 22.4 22.1 33.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

