

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089345.D
 Acq On : 28 Jul 2016 4:32
 Operator : UM/SJ
 Sample : H4205-13MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Quant Time: Jul 28 06:58:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	47479	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	208701	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	98396	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	188796	20.00	ng	0.00
75) Chrysene-d12	13.67	240	136972	20.00	ng	0.00
86) Perylene-d12	15.01	264	101141	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.12	112	297939	100.20	ng	0.01
7) Phenol-d6	6.20	99	389280	99.06	ng	0.00
23) Nitrobenzene-d5	7.12	82	252158	71.32	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	84473	103.66	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	463795	69.17	ng	0.00
78) Terphenyl-d14	12.63	244	403325	68.92	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.00	88	40079	28.76	ng	# 94
3) Pyridine	2.60	79	94791	32.58	ng	99
4) n-Nitrosodimethylamine	2.58	42	41145	36.55	ng	97
6) Aniline	6.20	93	169590	39.97	ng	98
8) 2-Chlorophenol	6.33	128	134518	39.99	ng	97
9) Benzaldehyde	6.09	77	66883	34.86	ng	99
10) Phenol	6.22	94	171387	39.52	ng	89
11) bis(2-Chloroethyl)ether	6.30	93	130128	35.32	ng	98
12) 1,3-Dichlorobenzene	6.48	146	126013	35.82	ng	100
13) 1,4-Dichlorobenzene	6.56	146	138150	35.58	ng	99
14) 1,2-Dichlorobenzene	6.72	146	128375	35.29	ng	98
15) Benzyl Alcohol	6.71	79	105300	43.18	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.84	45	143101	35.61	ng	82
17) 2-Methylphenol	6.83	107	98095	37.73	ng	94
18) Hexachloroethane	7.05	117	52147	35.03	ng	96
19) n-Nitroso-di-n-propylamine	6.98	70	93997	39.67	ng	100
20) 3+4-Methylphenols	6.98	107	130096	38.97	ng	98
22) Acetophenone	6.97	105	166975	33.61	ng	# 98
24) Nitrobenzene	7.14	77	131508	32.68	ng	99
25) Isophorone	7.38	82	273473	38.40	ng	100
26) 2-Nitrophenol	7.46	139	64675	35.95	ng	99
27) 2,4-Dimethylphenol	7.51	122	107096	37.37	ng	99
28) bis(2-Chloroethoxy)methane	7.60	93	159974	40.58	ng	99
29) 2,4-Dichlorophenol	7.70	162	109170	41.80	ng	99
30) 1,2,4-Trichlorobenzene	7.78	180	108785	36.51	ng	100
31) Naphthalene	7.85	128	399175	38.62	ng	99
32) Benzoic acid	7.51	122	107096	53.62	ng	# 16
33) 4-Chloroaniline	7.92	127	131521	33.43	ng	100
34) Hexachlorobutadiene	7.98	225	60958	35.72	ng	98
35) Caprolactam	8.28	113	16952	21.50	ng	95
36) 4-Chloro-3-methylphenol	8.41	107	123226	39.70	ng	96
37) 2-Methylnaphthalene	8.55	142	236920	38.05	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.71	216	92749	26.94	ng	99
40) Hexachlorocyclopentadiene	8.70	237	71093	73.27	ng	98

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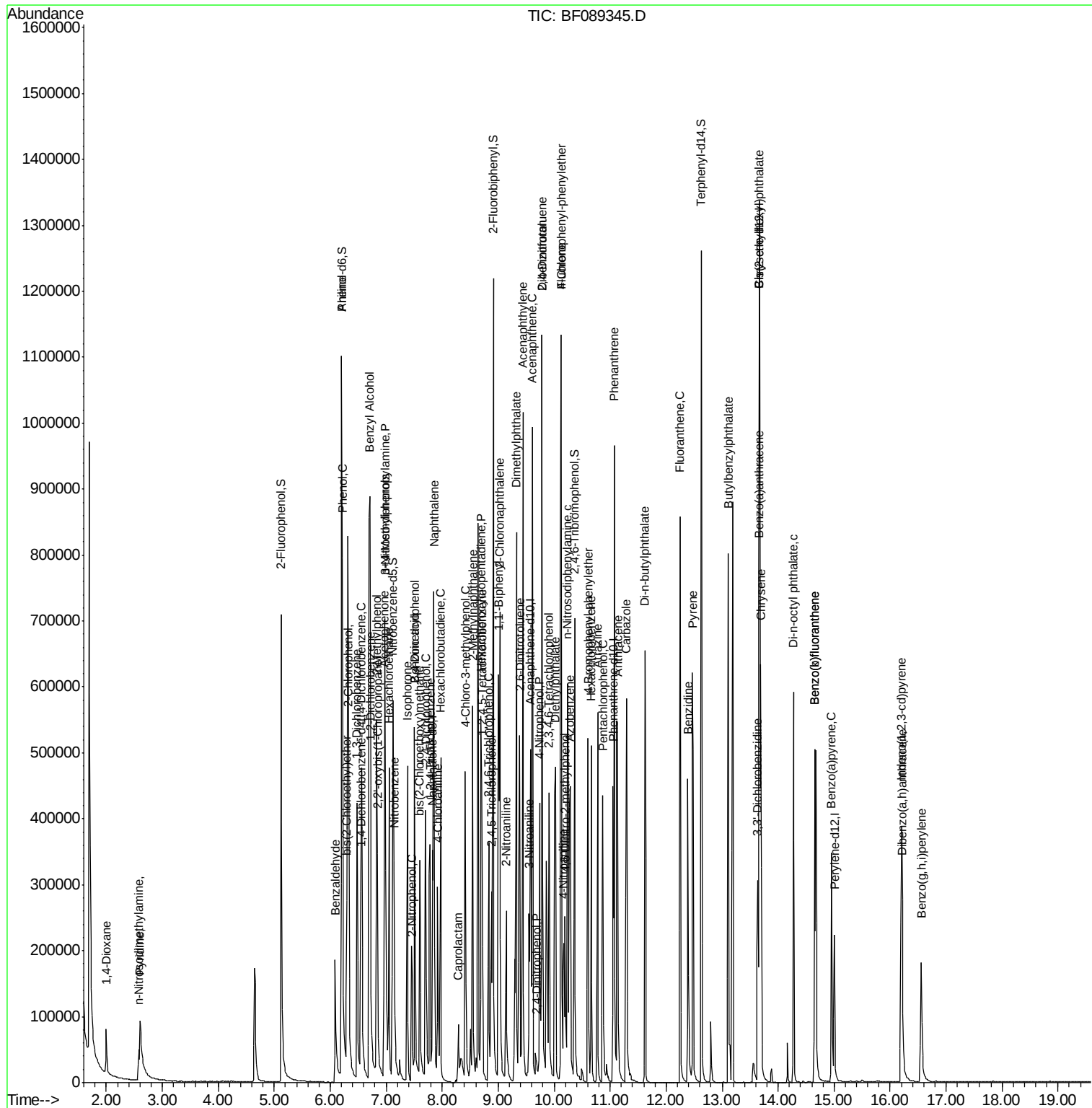
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.83	196	62284	38.05	ng	96
43) 2,4,5-Trichlorophenol	8.88	196	76479	36.88	ng	98
45) 1,1'-Biphenyl	9.00	154	253570	30.27	ng	99
46) 2-Chloronaphthalene	9.03	162	231351	36.77	ng	100
47) 2-Nitroaniline	9.14	65	73568	39.48	ng	97
48) Acenaphthylene	9.44	152	372339	37.57	ng	100
49) Dimethylphthalate	9.32	163	396819	52.99	ng	100
50) 2,6-Dinitrotoluene	9.38	165	61782	40.15	ng	# 84
51) Acenaphthene	9.61	154	222758	38.49	ng	99
52) 3-Nitroaniline	9.55	138	59739	36.79	ng	97
53) 2,4-Dinitrophenol	9.68	184	9286	23.44	ng	91
54) Dibenzofuran	9.78	168	329425	41.77	ng	99
55) 4-Nitrophenol	9.74	139	59701	75.84	ng	93
56) 2,4-Dinitrotoluene	9.78	165	77420	38.22	ng	# 79
57) Fluorene	10.12	166	266374	38.69	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.91	232	61945	44.74	ng	96
59) Diethylphthalate	10.02	149	282958	37.27	ng	# 94
60) 4-Chlorophenyl-phenylether	10.12	204	111766	35.40	ng	98
61) 4-Nitroaniline	10.17	138	66268	39.59	ng	88
62) Azobenzene	10.28	77	306017	39.14	ng	84
64) 4,6-Dinitro-2-methylphenol	10.19	198	34150	31.60	ng	84
65) n-Nitrosodiphenylamine	10.24	169	221362	37.58	ng	98
66) 4-Bromophenyl-phenylether	10.60	248	70225	38.96	ng	95
67) Hexachlorobenzene	10.66	284	62507	33.84	ng	94
68) Atrazine	10.78	200	71029	39.25	ng	98
69) Pentachlorophenol	10.87	266	59204	67.20	ng	99
70) Phenanthrene	11.07	178	374772	38.49	ng	99
71) Anthracene	11.13	178	383737	35.45	ng	99
72) Carbazole	11.29	167	348249	38.21	ng	99
73) Di-n-butylphthalate	11.62	149	419397	34.30	ng	100
74) Fluoranthene	12.25	202	386647	37.75	ng	99
76) Benzidine	12.39	184	246604	48.73	ng	96
77) Pyrene	12.47	202	370916	35.73	ng	99
79) Butylbenzylphthalate	13.11	149	183460	38.87	ng	99
80) Benzo(a)anthracene	13.66	228	270260	34.96	ng	99
81) 3,3'-Dichlorobenzidine	13.63	252	86948	31.26	ng	98
82) Chrysene	13.69	228	271023	32.94	ng	99
83) Bis(2-ethylhexyl)phthalate	13.67	149	234852	34.42	ng	99
84) Di-n-octyl phthalate	14.27	149	371791	34.92	ng	100
85) Indeno(1,2,3-cd)pyrene	16.21	276	197768	33.81	ng	99
87) Benzo(b)fluoranthene	14.65	252	448620	71.42	ng	99
88) Benzo(k)fluoranthene	14.65	252	449167	77.78	ng	98
89) Benzo(a)pyrene	14.95	252	204284	36.26	ng	97
90) Dibenzo(a,h)anthracene	16.22	278	165604	37.31	ng	95
91) Benzo(g,h,i)perylene	16.56	276	167144	38.31	ng	96

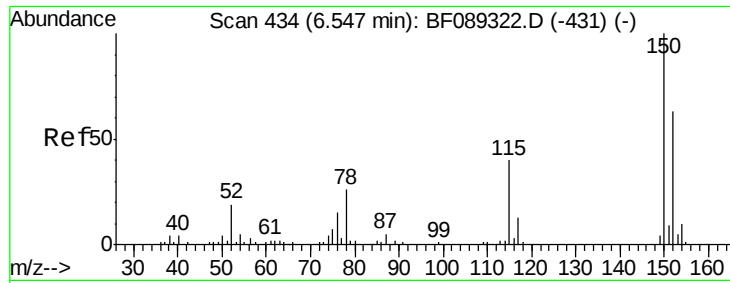
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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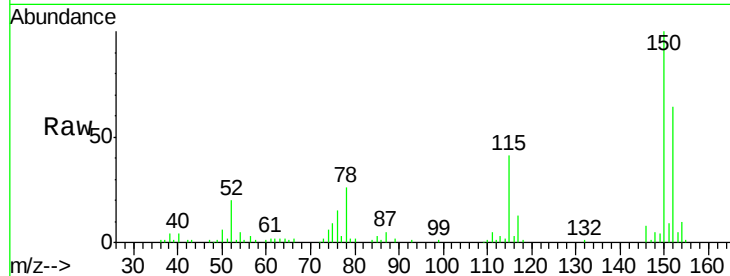




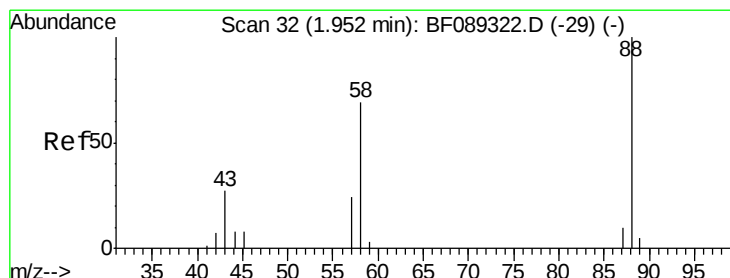
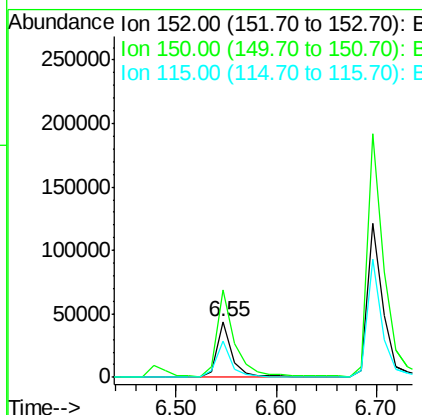
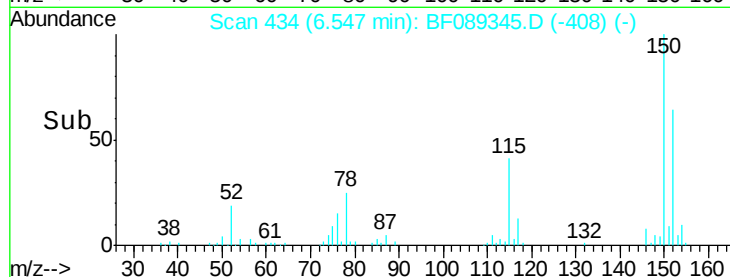
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion:152 Resp: 47479
 Ion Ratio Lower Upper
 152 100
 150 156.4 129.5 194.3
 115 64.6 51.4 77.2

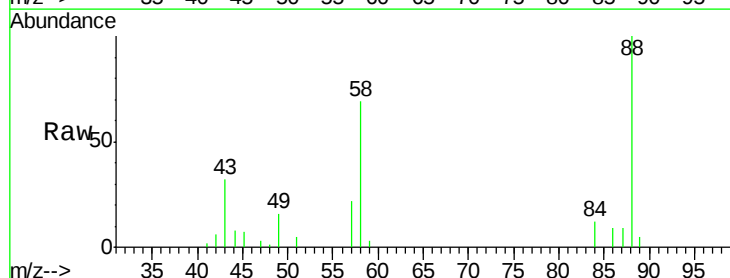


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

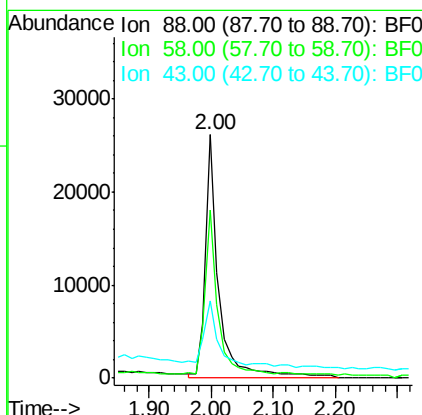
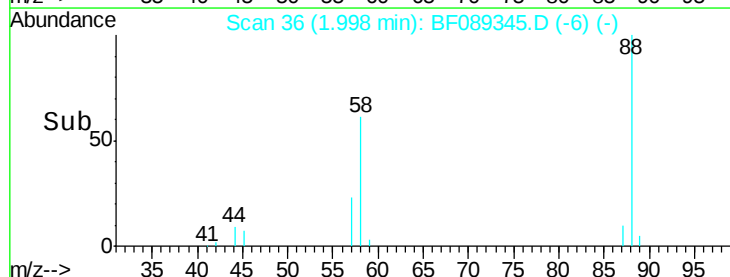


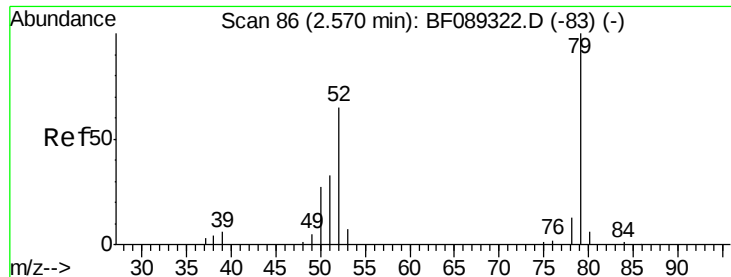
#2
 1,4-Dioxane
 Concen: 28.76 ng
 RT: 2.00 min Scan# 36
 Delta R.T. 0.05 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion: 88 Resp: 40079
 Ion Ratio Lower Upper
 88 100
 58 64.4 53.2 79.8
 43 32.9 20.6 31.0#



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: 32.58 ng

RT: 2.60 min Scan# 89

Delta R.T. 0.03 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

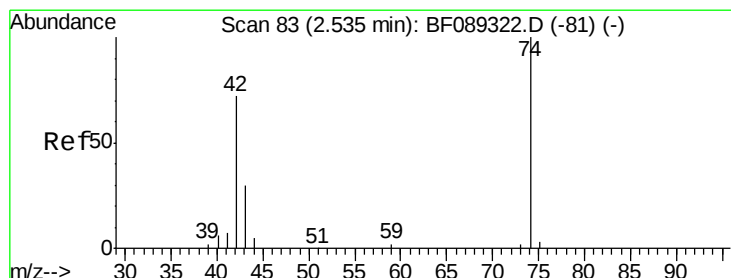
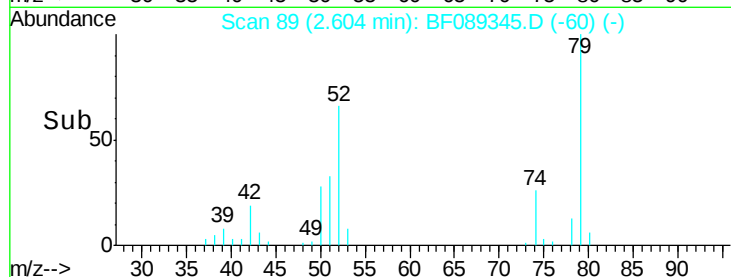
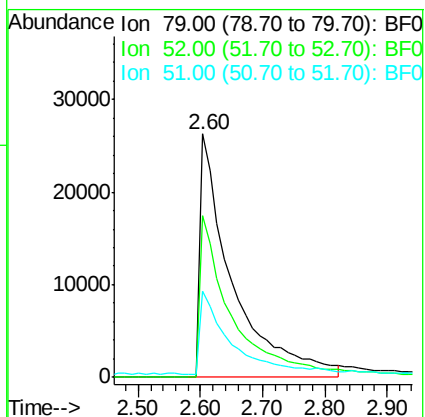
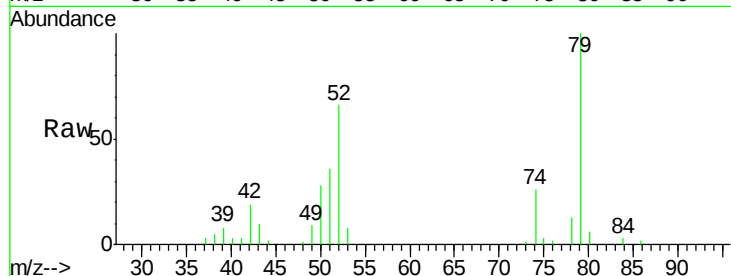
Tgt Ion: 79 Resp: 94791

Ion Ratio Lower Upper

79 100

52 66.2 51.9 77.9

51 35.5 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 36.55 ng

RT: 2.58 min Scan# 87

Delta R.T. 0.05 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

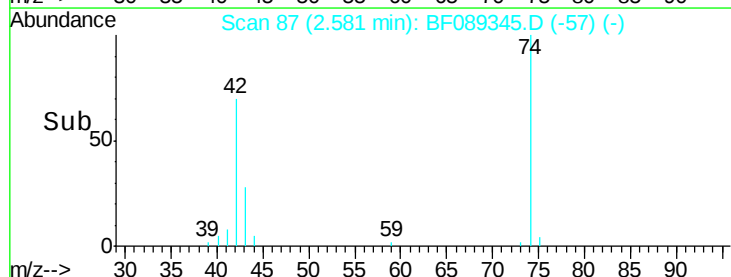
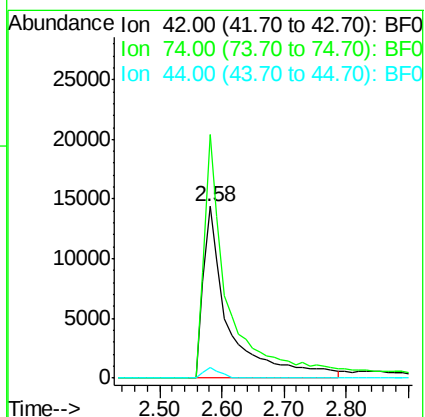
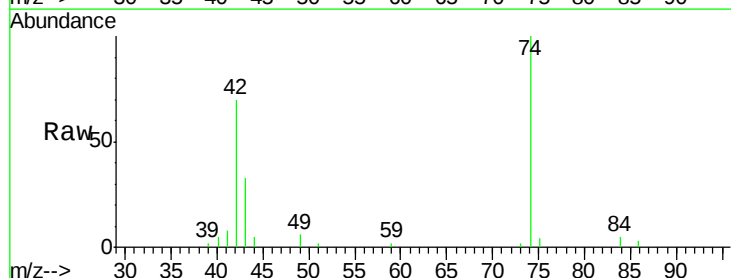
Tgt Ion: 42 Resp: 41145

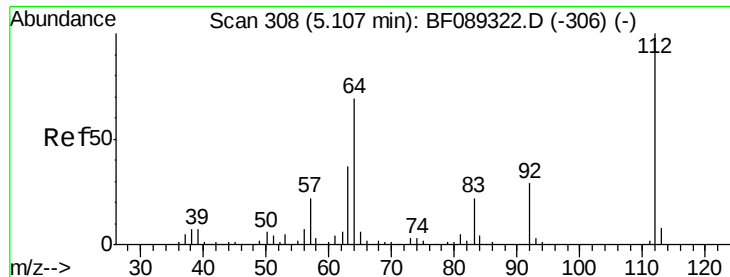
Ion Ratio Lower Upper

42 100

74 141.9 110.8 166.2

44 6.4 5.2 7.8





#5

2-Fluorophenol

Concen: 100.20 ng

RT: 5.12 min Scan# 309

Delta R.T. 0.01 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

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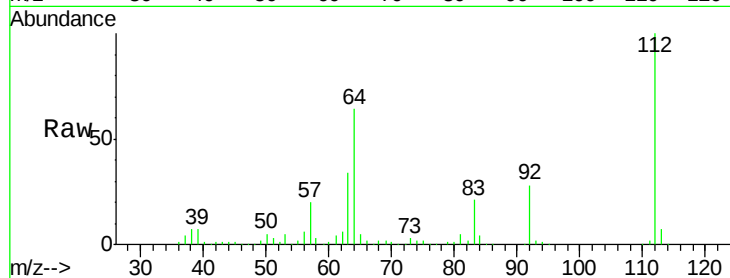
Tgt Ion: 112 Resp: 297939

Ion Ratio Lower Upper

112 100

64 64.4 55.0 82.6

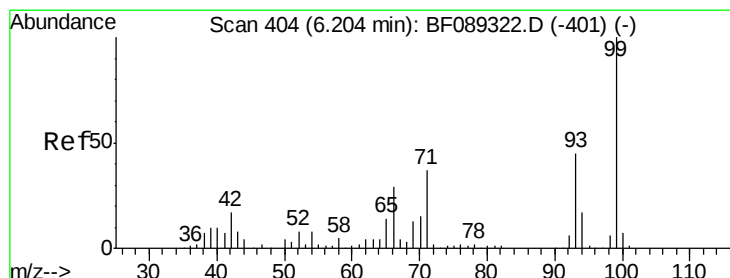
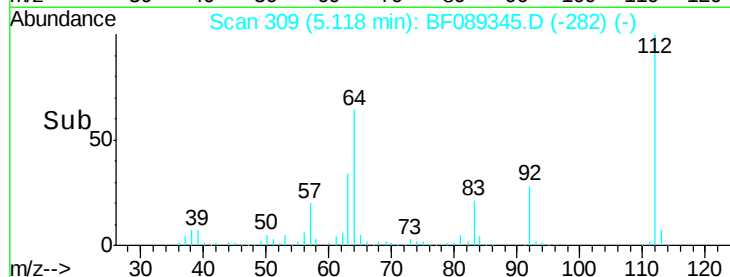
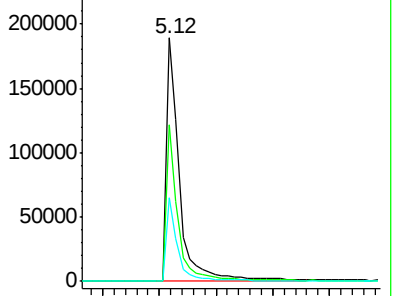
63 34.3 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 39.97 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

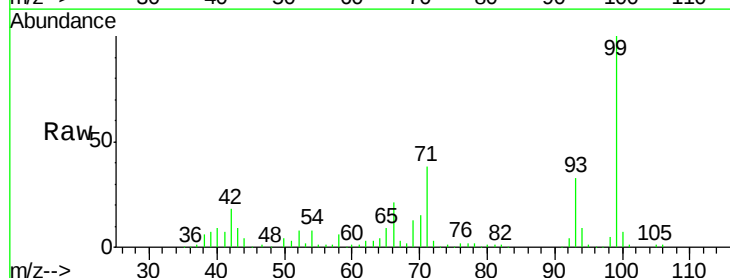
Tgt Ion: 93 Resp: 169590

Ion Ratio Lower Upper

93 100

66 65.1 51.6 77.4

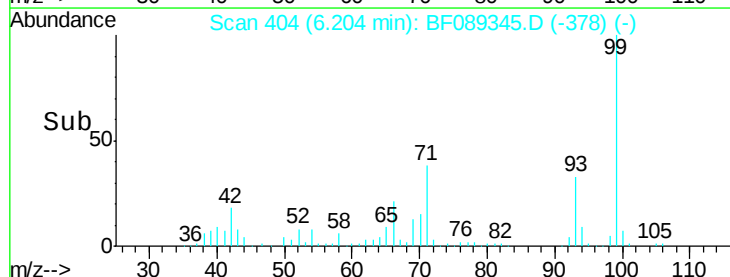
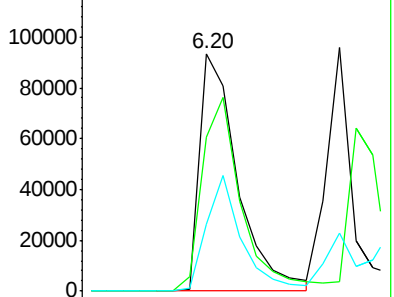
65 28.3 24.7 37.1

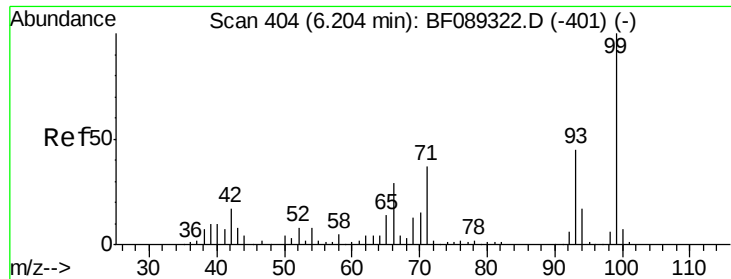


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 99.06 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF089345.D

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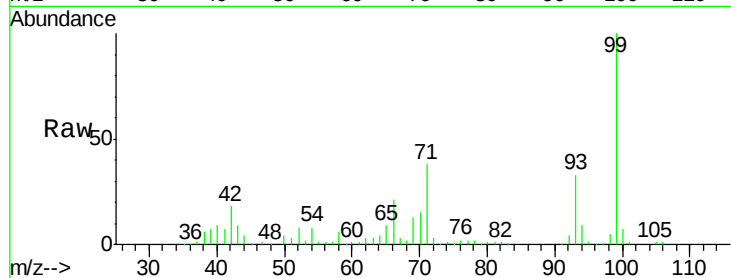
Tgt Ion: 99 Resp: 389280

Ion Ratio Lower Upper

99 100

42 18.4 13.6 20.4

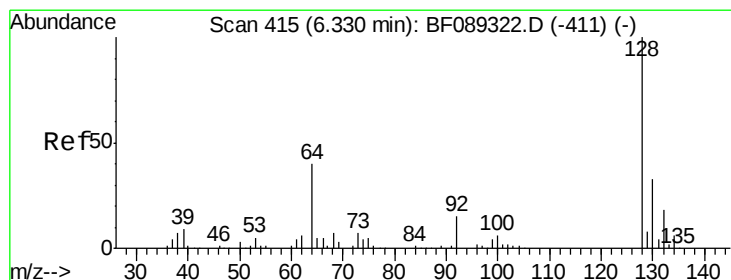
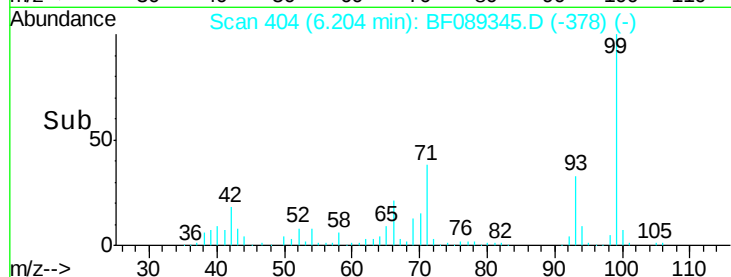
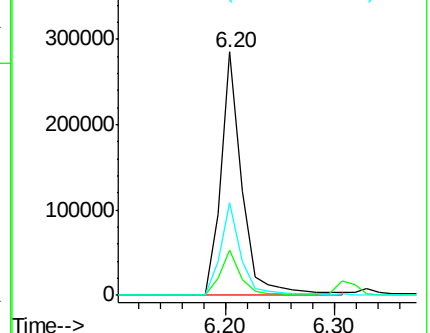
71 38.1 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.99 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

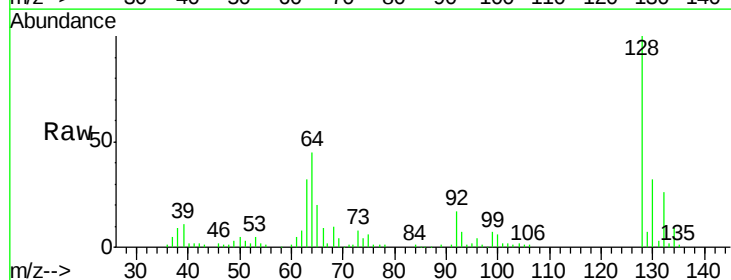
Tgt Ion: 128 Resp: 134518

Ion Ratio Lower Upper

128 100

130 32.3 12.6 52.6

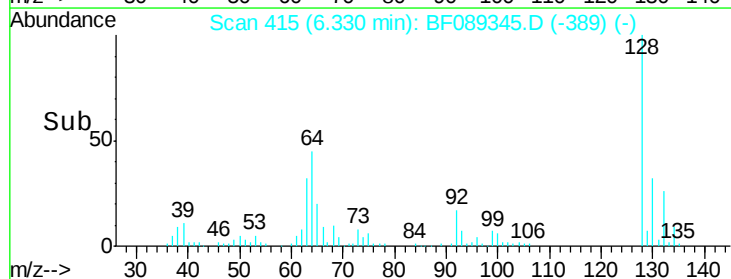
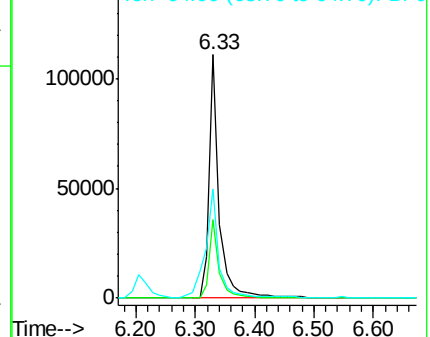
64 44.8 22.1 62.1

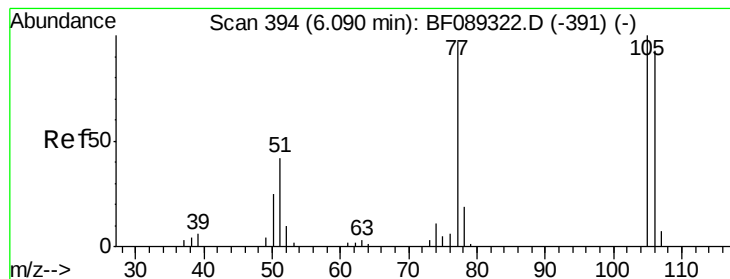


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 34.86 ng

RT: 6.09 min Scan# 394

Delta R.T. -0.00 min

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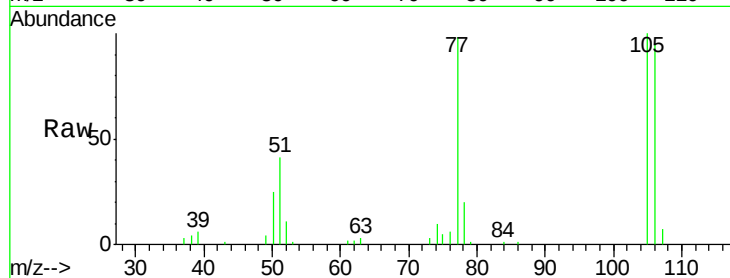
Tgt Ion: 77 Resp: 66883

Ion Ratio Lower Upper

77 100

105 102.1 82.9 122.9

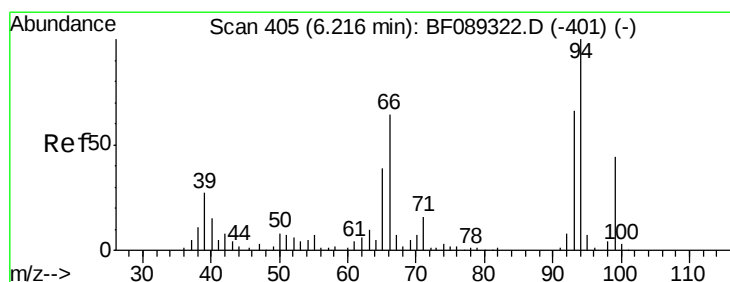
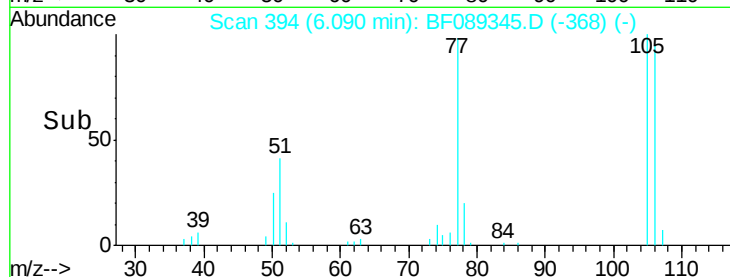
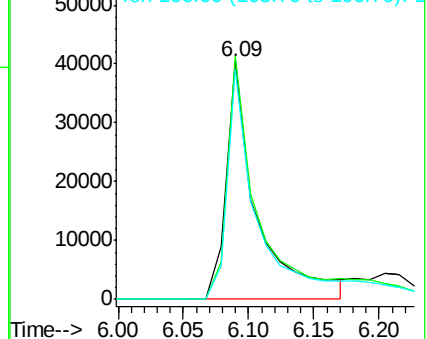
106 96.5 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 39.52 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

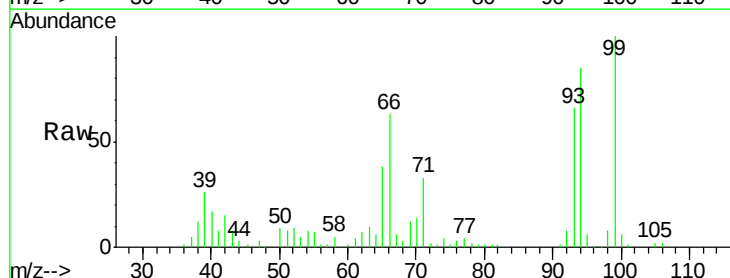
Tgt Ion: 94 Resp: 171387

Ion Ratio Lower Upper

94 100

65 44.3 19.1 59.1

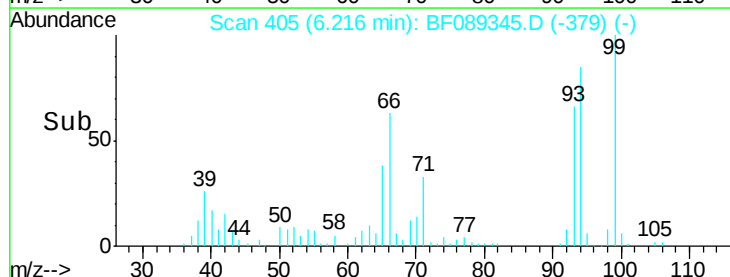
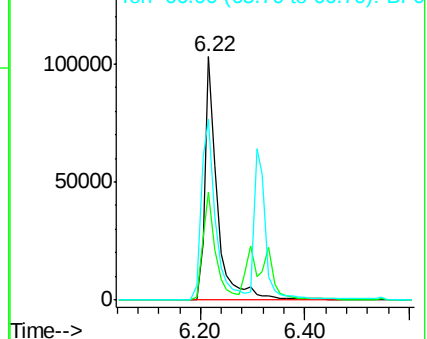
66 74.1 44.4 84.4

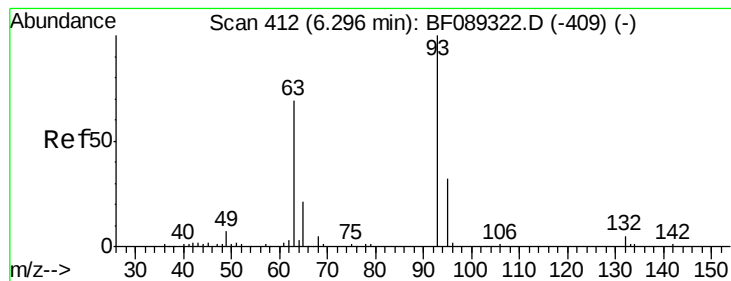


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 35.32 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

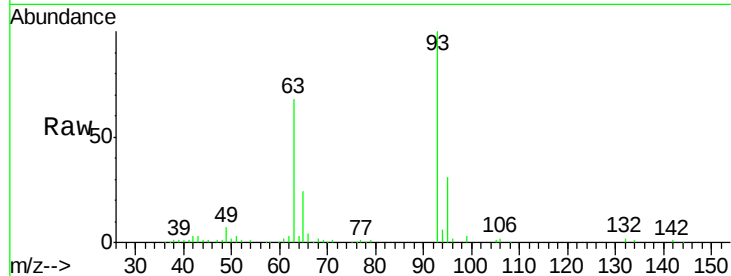
Tgt Ion: 93 Resp: 130128

Ion Ratio Lower Upper

93 100

63 67.9 45.6 85.6

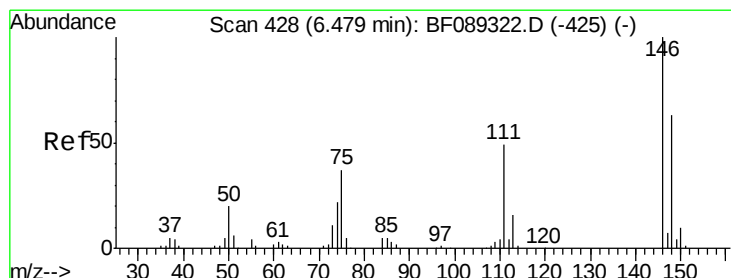
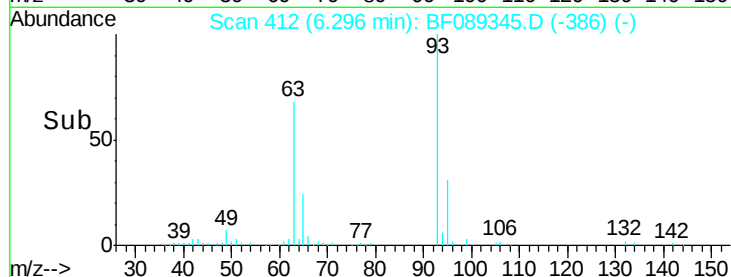
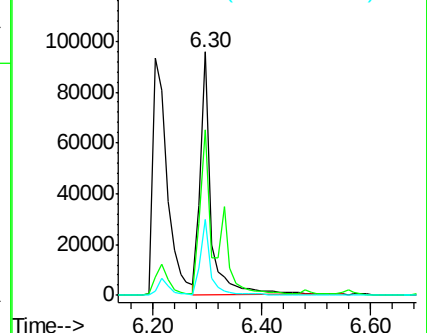
95 31.3 11.1 51.1



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: 35.82 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

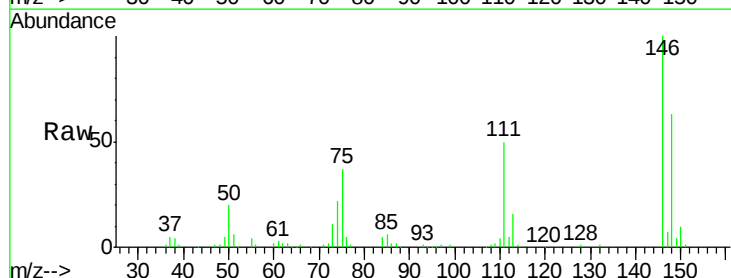
Tgt Ion: 146 Resp: 126013

Ion Ratio Lower Upper

146 100

148 62.9 50.5 75.7

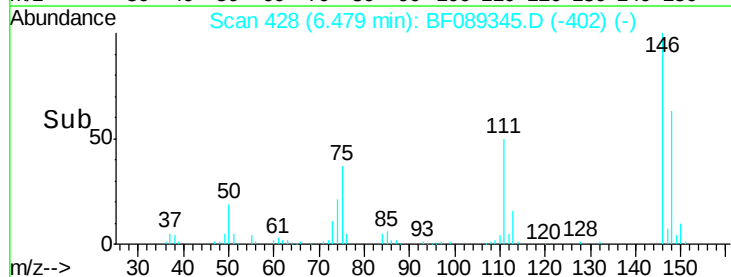
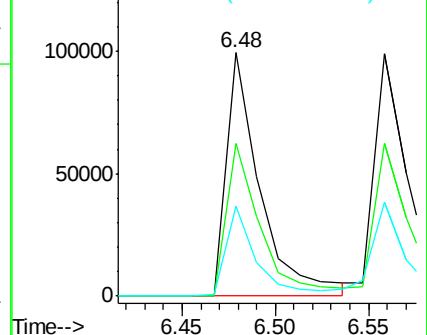
75 37.2 30.0 45.0

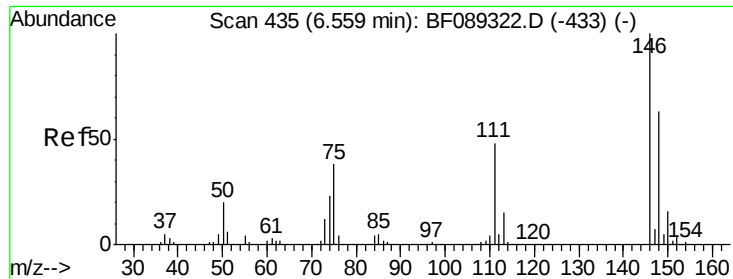


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

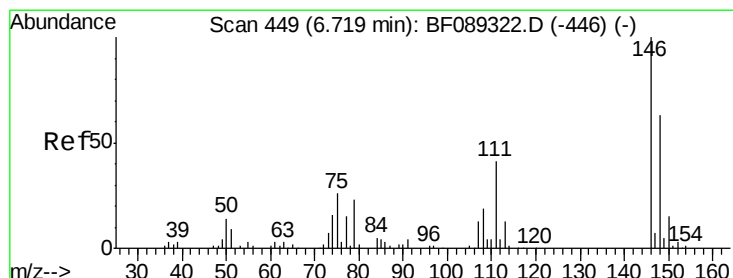
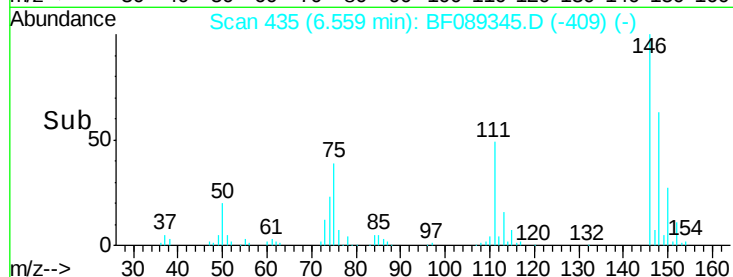
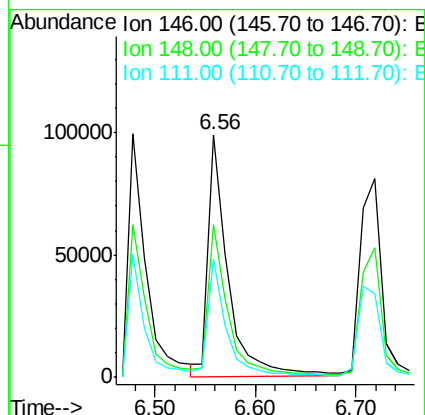
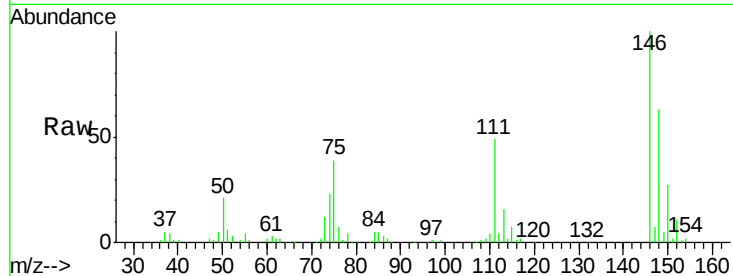




#13
 1,4-Dichlorobenzene
 Concen: 35.58 ng
 RT: 6.56 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

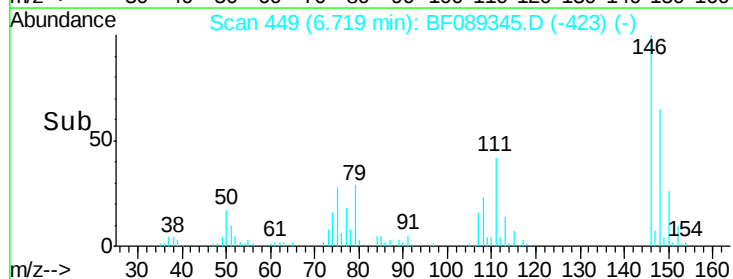
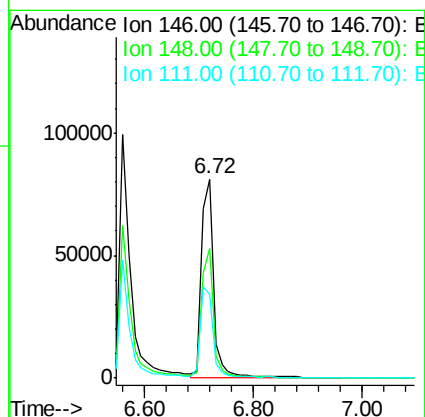
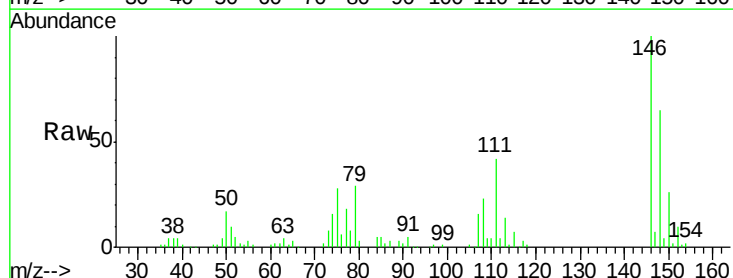
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

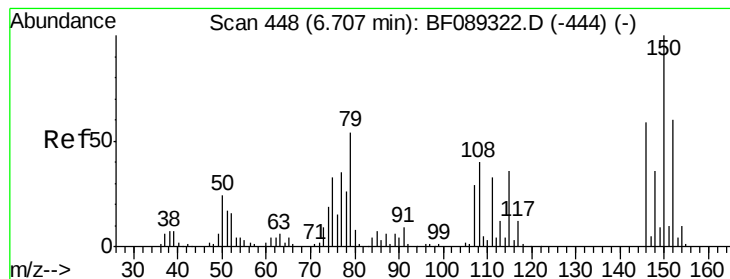
Tgt Ion:146 Resp: 138150
 Ion Ratio Lower Upper
 146 100
 148 63.0 50.8 76.2
 111 48.7 38.6 57.8



#14
 1,2-Dichlorobenzene
 Concen: 35.29 ng
 RT: 6.72 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion:146 Resp: 128375
 Ion Ratio Lower Upper
 146 100
 148 65.2 50.4 75.6
 111 42.2 33.0 49.4





#15

Benzyl Alcohol

Concen: 43.18 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

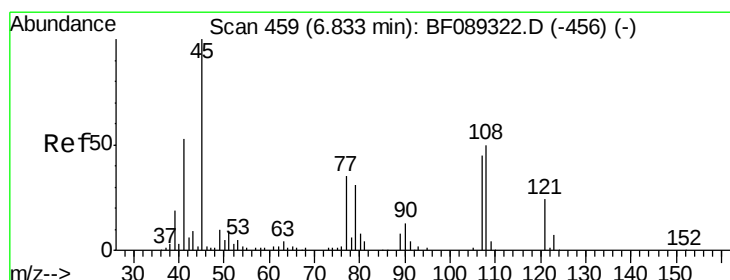
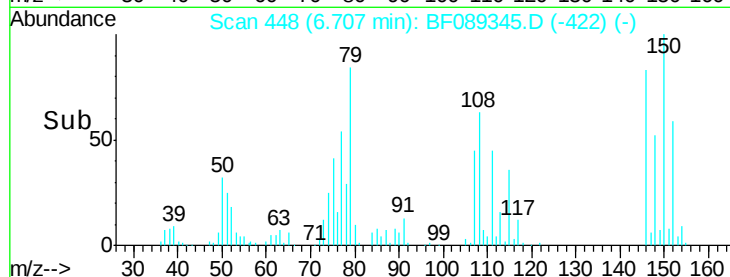
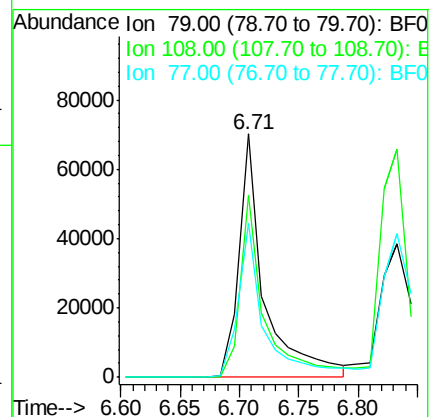
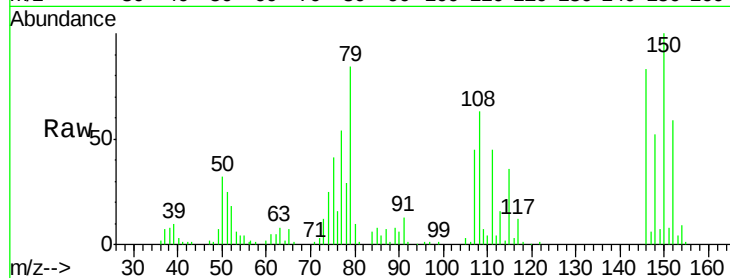
Tgt Ion: 79 Resp: 105300

Ion Ratio Lower Upper

79 100

108 75.0 59.8 89.6

77 63.5 51.7 77.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.61 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.01 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

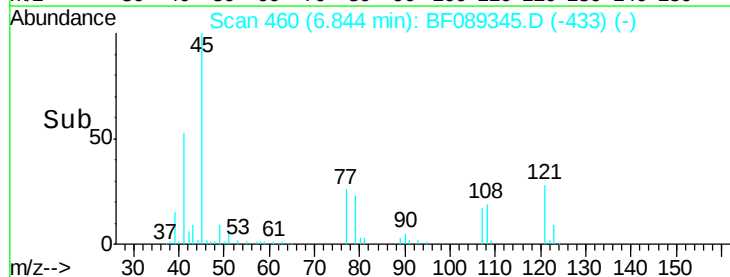
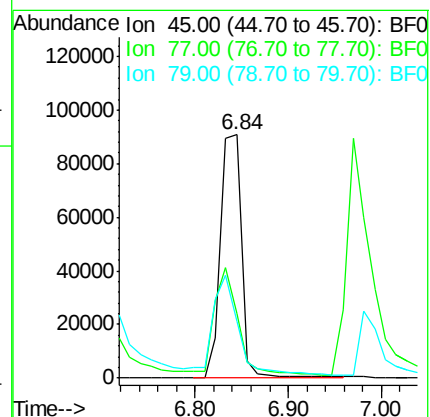
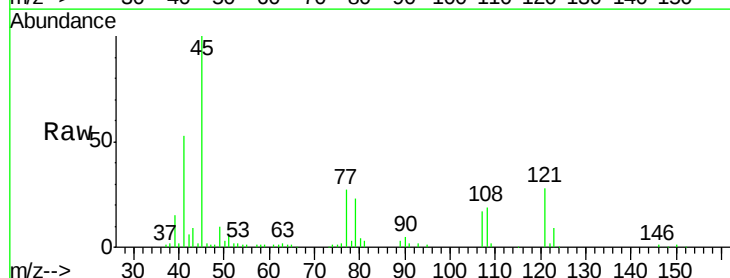
Tgt Ion: 45 Resp: 143101

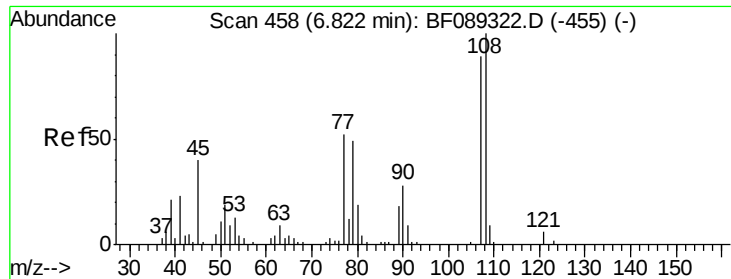
Ion Ratio Lower Upper

45 100

77 26.7 17.3 57.3

79 23.3 13.9 53.9

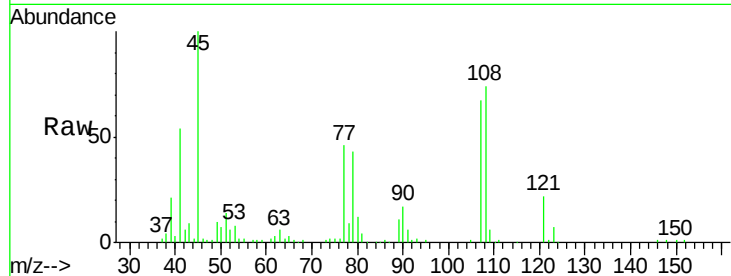




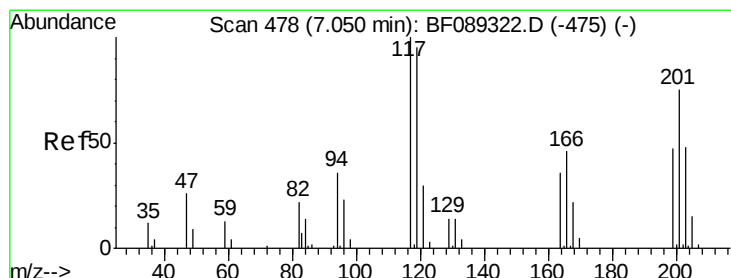
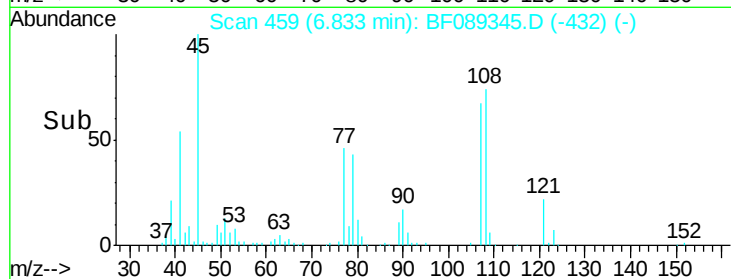
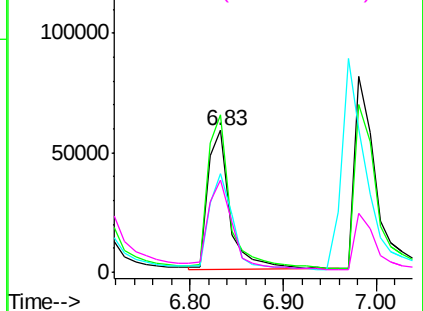
#17
2-Methylphenol
Concen: 37.73 ng
RT: 6.83 min Scan# 459
Delta R.T. 0.01 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

Tgt Ion:107 Resp: 98095
Ion Ratio Lower Upper
107 100
108 110.6 91.4 137.0
77 69.6 48.6 73.0
79 64.6 48.2 72.4

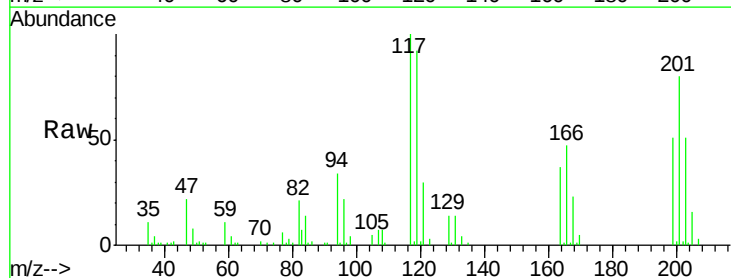


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

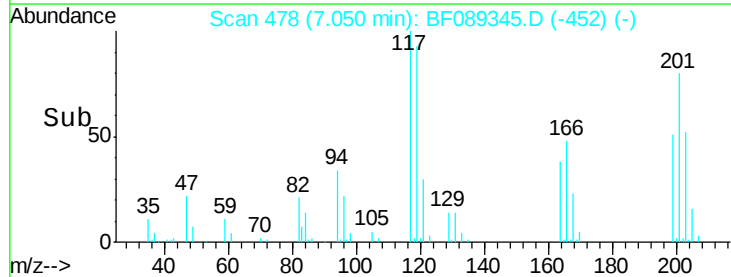
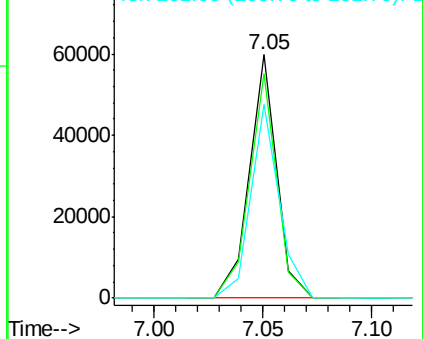


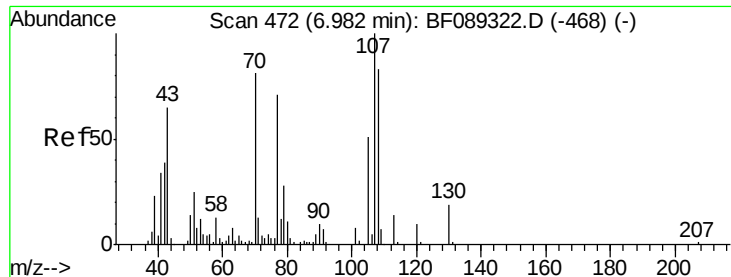
#18
Hexachloroethane
Concen: 35.03 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:117 Resp: 52147
Ion Ratio Lower Upper
117 100
119 92.4 76.0 114.0
201 79.8 60.0 90.0



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

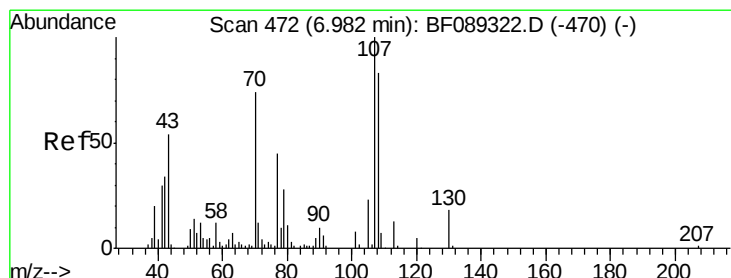
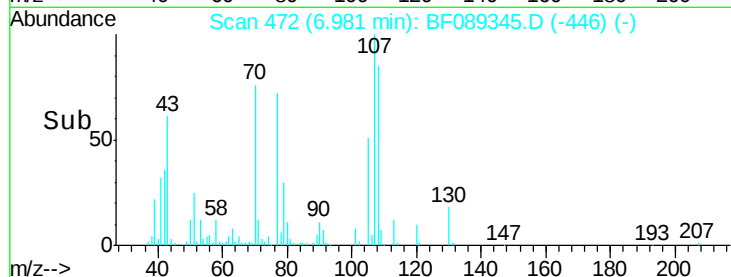
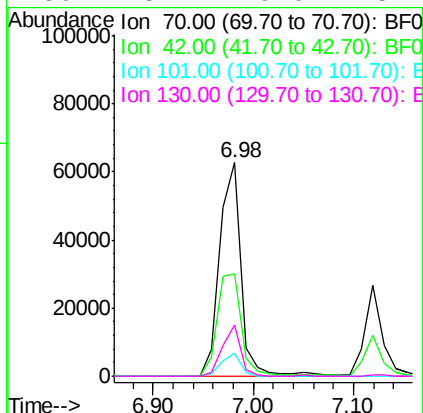
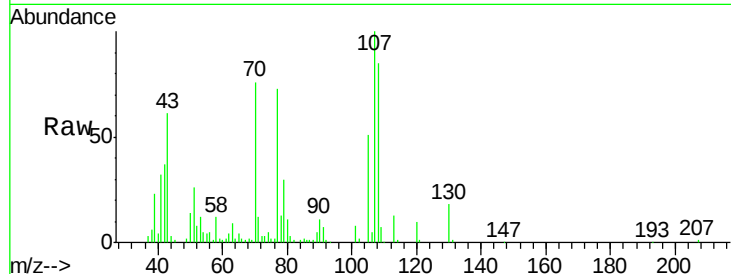




#19
n-Nitroso-di-n-propylamine
Concen: 39.67 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

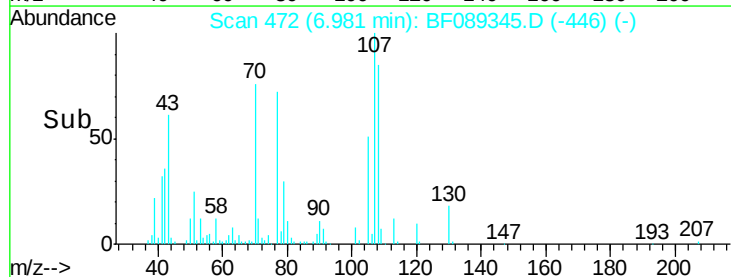
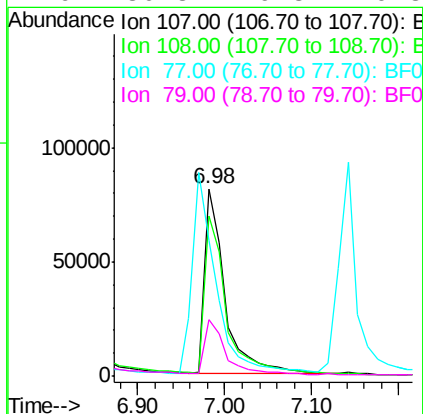
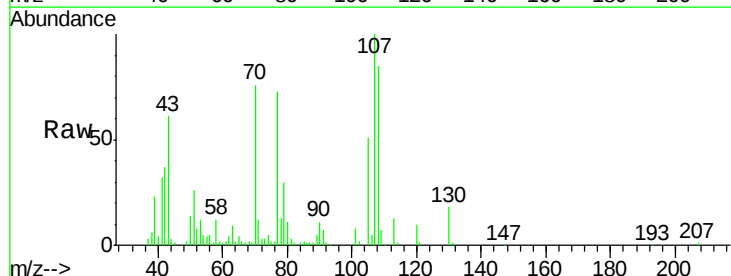
Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

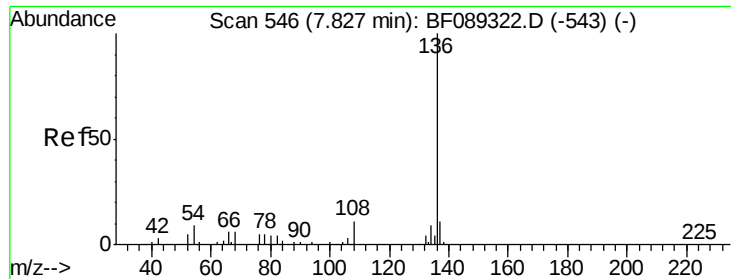
Tgt Ion:	70	Resp:	93997
Ion	Ratio	Lower	Upper
70	100		
42	48.0	38.6	57.8
101	11.0	8.3	12.5
130	23.7	19.0	28.4



#20
3+4-Methylphenols
Concen: 38.97 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:	107	Resp:	130096
Ion	Ratio	Lower	Upper
107	100		
108	85.4	63.3	103.3
77	72.7	51.1	91.1
79	30.3	9.3	49.3

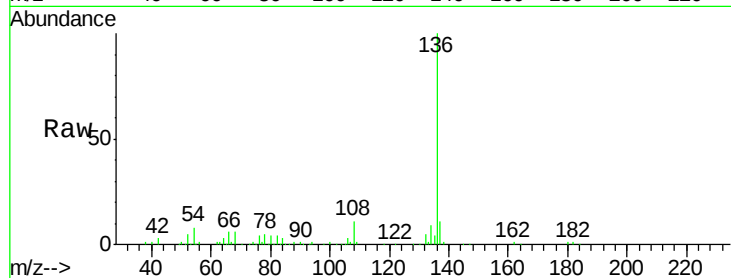




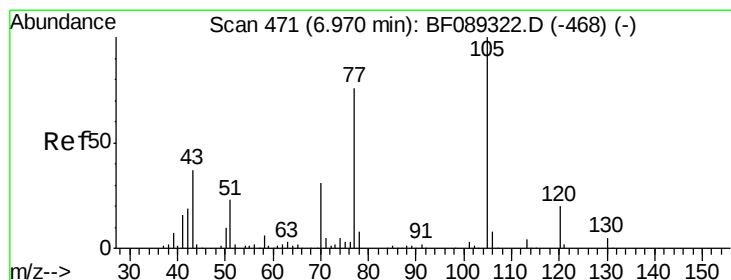
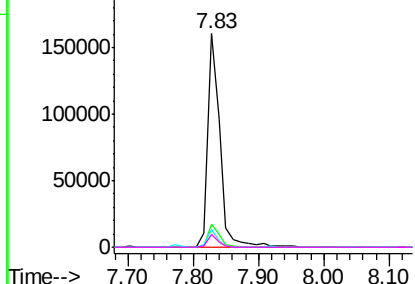
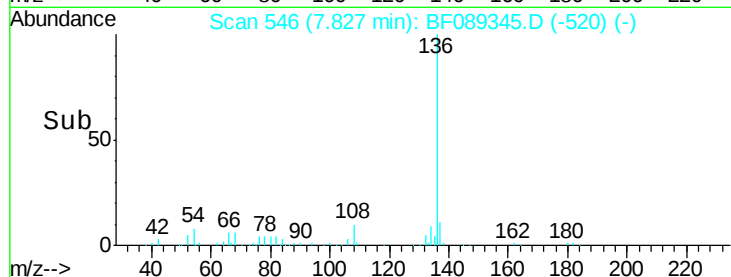
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

Tgt Ion:	136	Resp:	208701
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	7.0	10.4
68	6.2	4.9	7.3

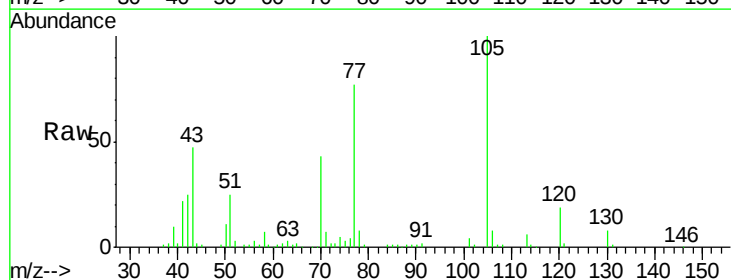


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

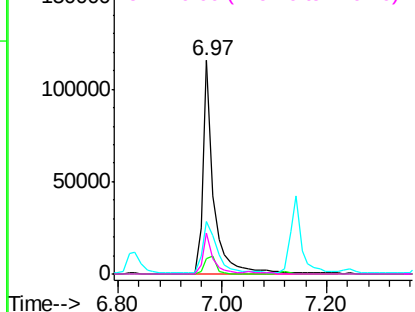
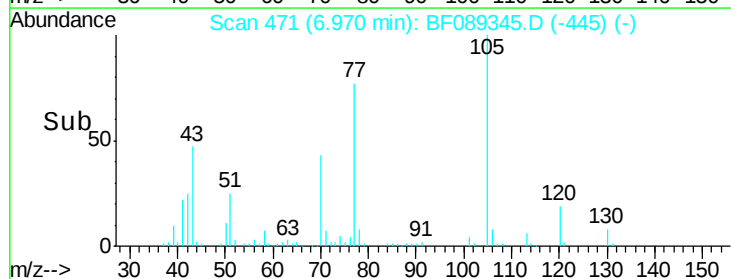


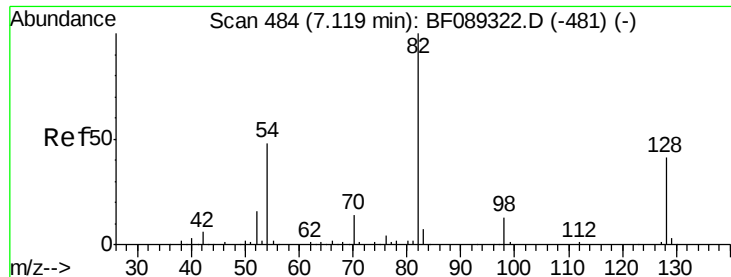
#22
Acetophenone
Concen: 33.61 ng
RT: 6.97 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:	105	Resp:	166975
Ion	Ratio	Lower	Upper
105	100		
71	7.2	4.2	6.2#
51	24.7	18.7	28.1
120	19.2	15.8	23.6



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

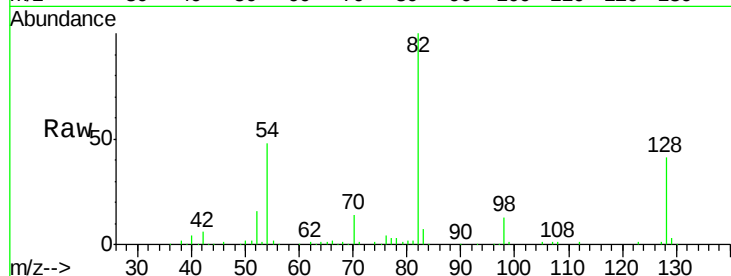




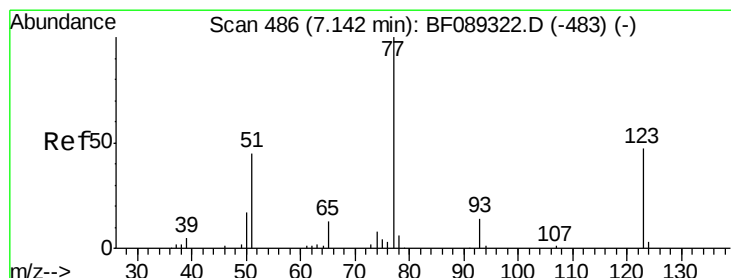
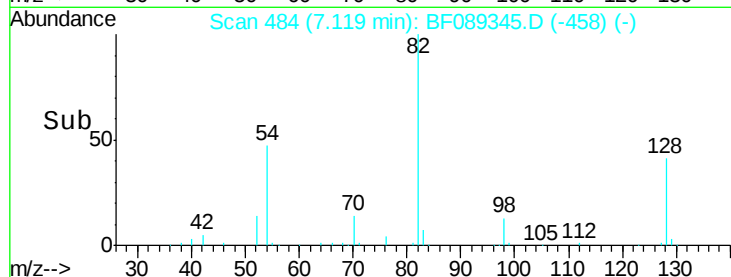
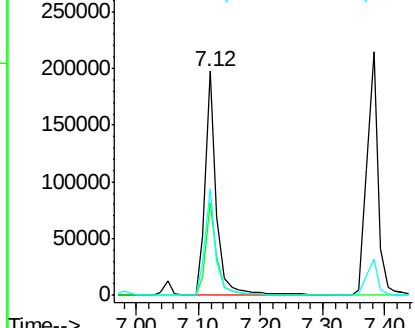
#23
Nitrobenzene-d5
Concen: 71.32 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.5	48.7
54	47.6	38.8	58.2

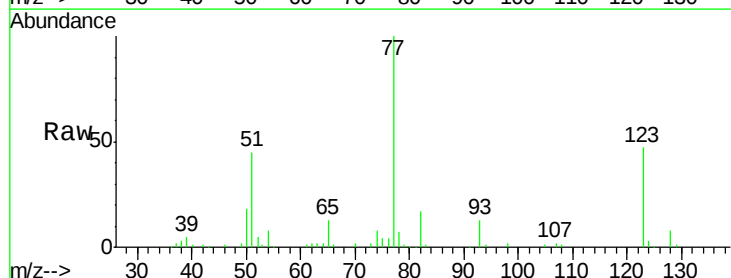


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

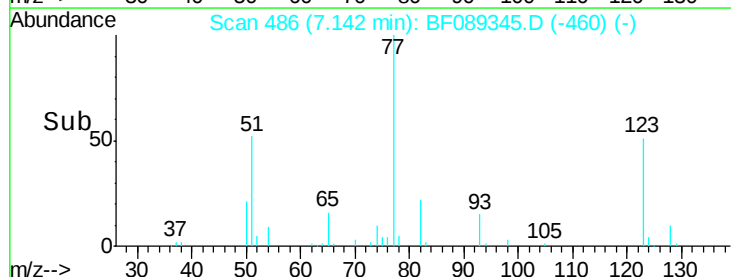
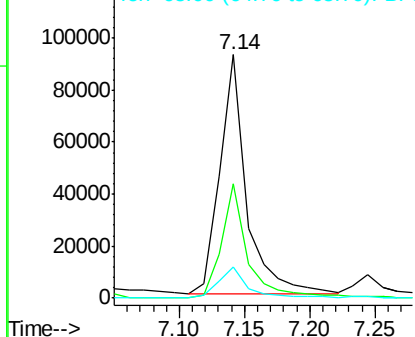


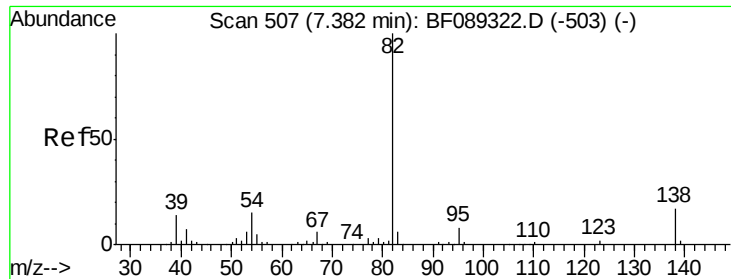
#24
Nitrobenzene
Concen: 32.68 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.0	37.2	55.8
65	12.8	10.2	15.4



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 38.40 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

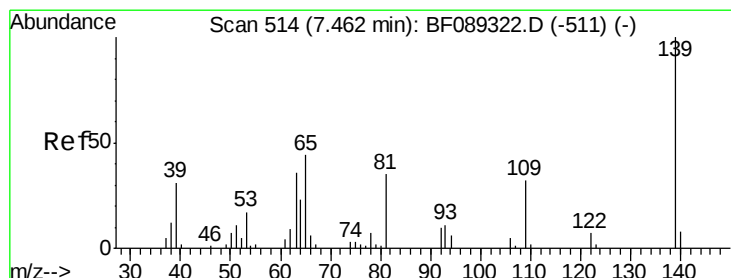
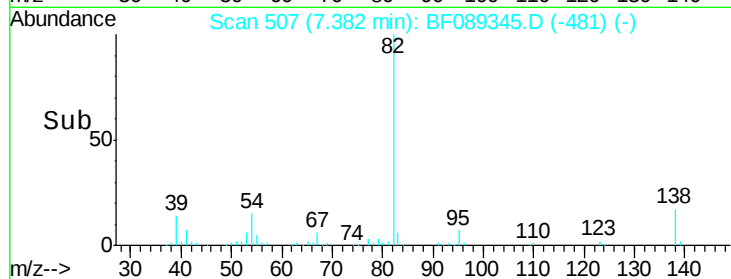
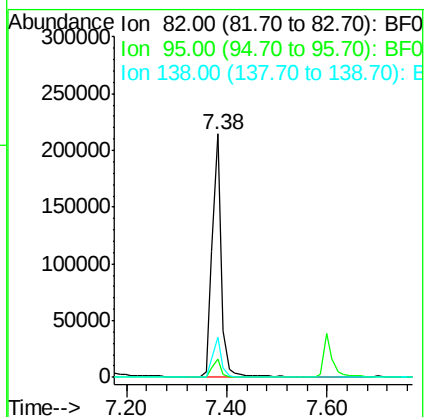
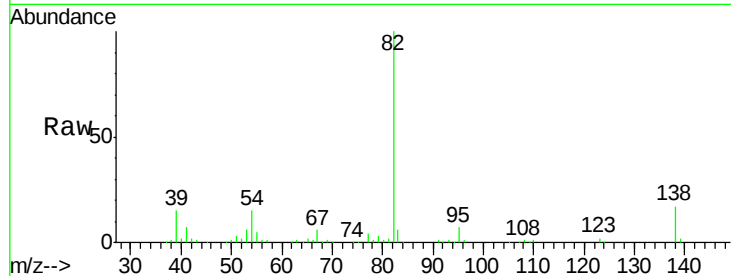
Tgt Ion: 82 Resp: 273473

Ion Ratio Lower Upper

82 100

95 7.4 6.0 9.0

138 16.5 13.3 19.9



#26

2-Nitrophenol

Concen: 35.95 ng

RT: 7.46 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

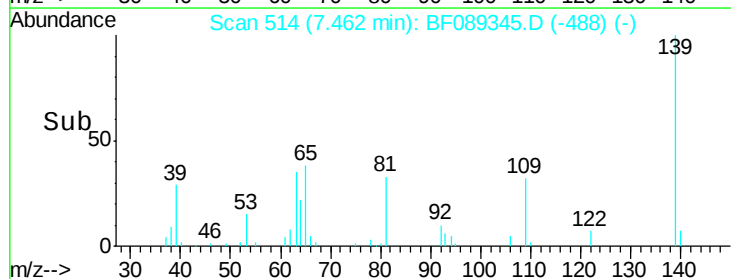
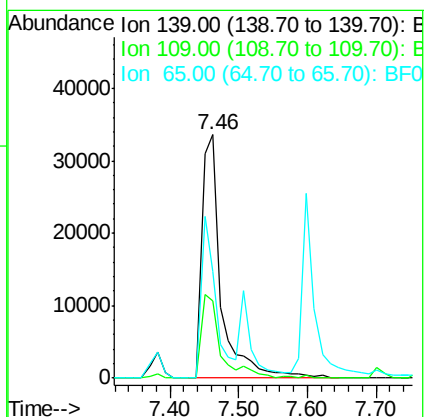
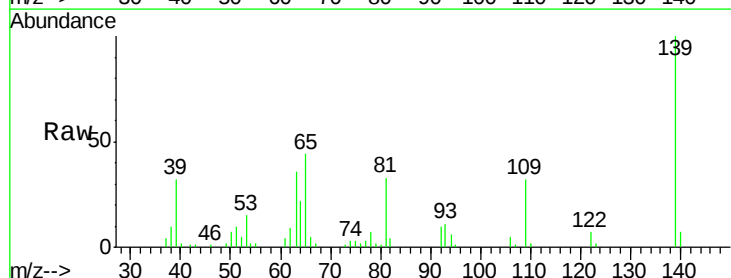
Tgt Ion: 139 Resp: 64675

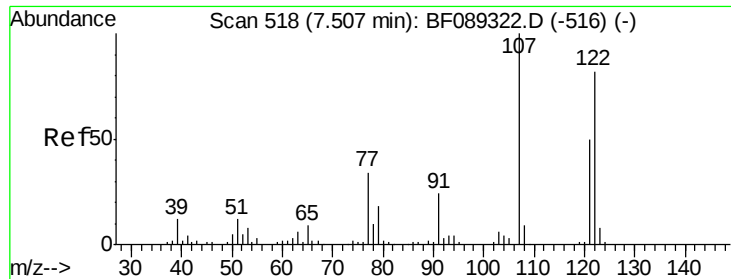
Ion Ratio Lower Upper

139 100

109 31.6 25.8 38.8

65 43.7 35.2 52.8

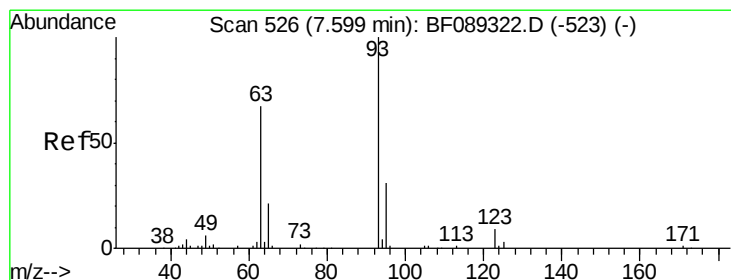
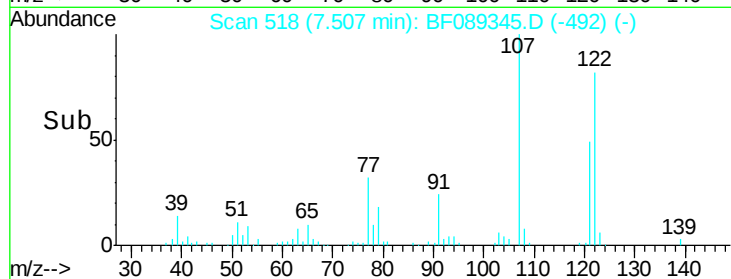
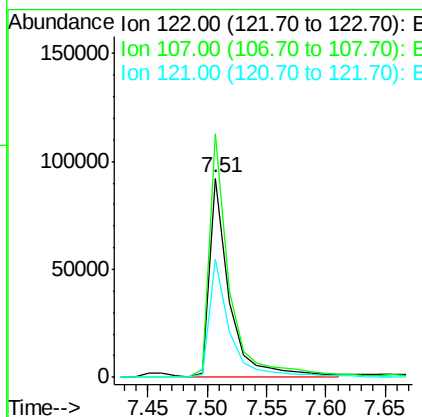
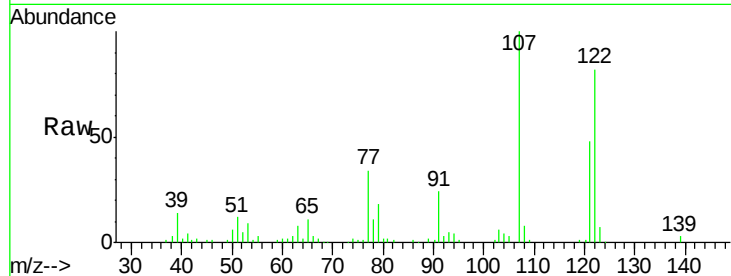




#27
 2,4-Dimethylphenol
 Concen: 37.37 ng
 RT: 7.51 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

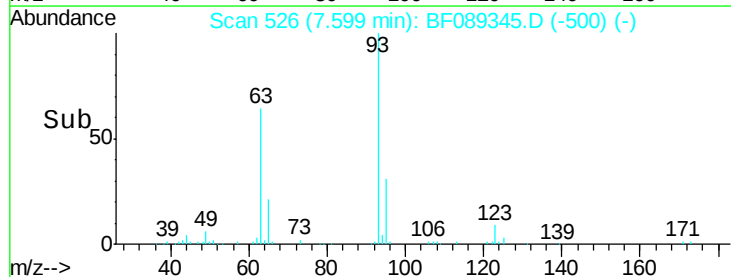
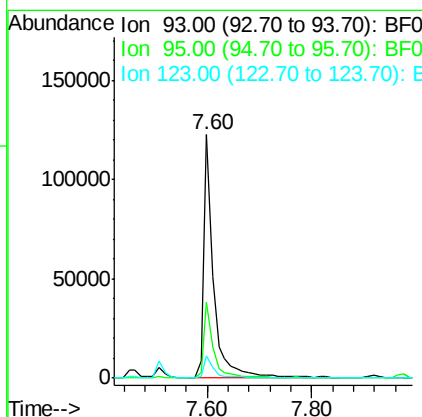
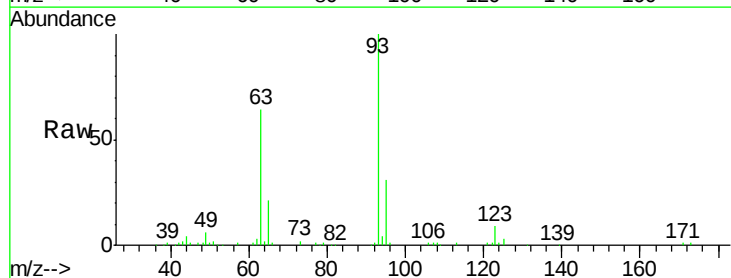
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

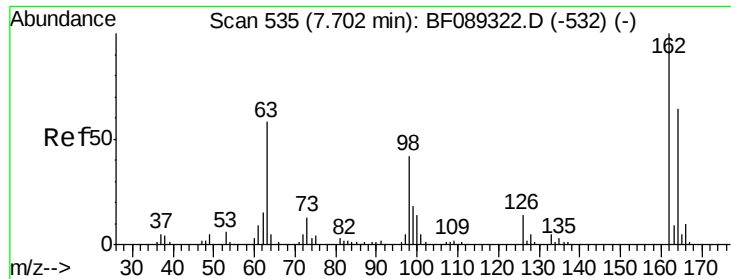
Tgt Ion: 122 Resp: 107096
 Ion Ratio Lower Upper
 122 100
 107 122.4 97.2 145.8
 121 59.1 48.8 73.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.58 ng
 RT: 7.60 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion: 93 Resp: 159974
 Ion Ratio Lower Upper
 93 100
 95 31.4 24.7 37.1
 123 9.2 7.5 11.3

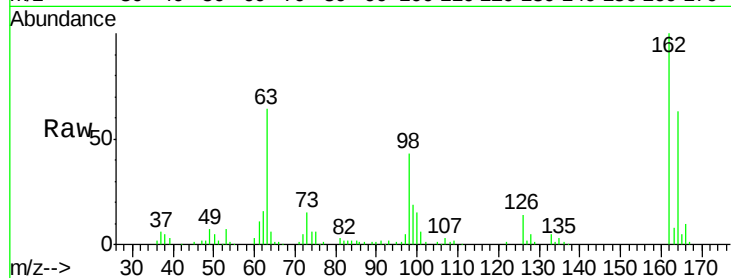




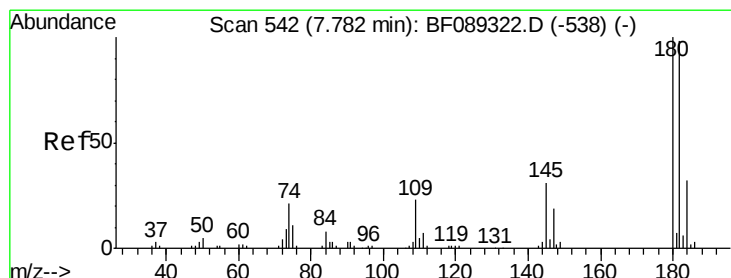
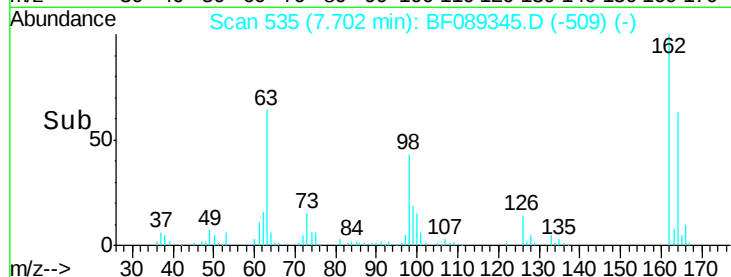
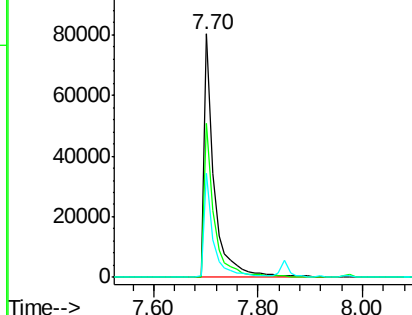
#29
 2,4-Dichlorophenol
 Concen: 41.80 ng
 RT: 7.70 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.0	84.0
98	42.8	21.8	61.8

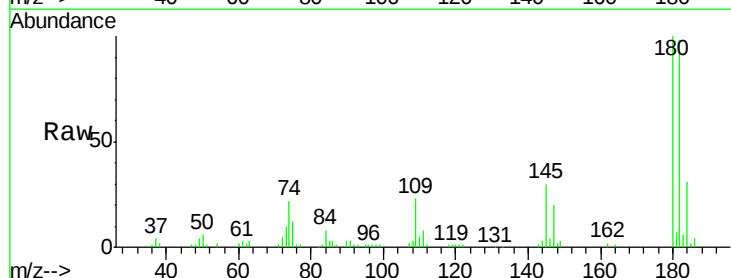


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

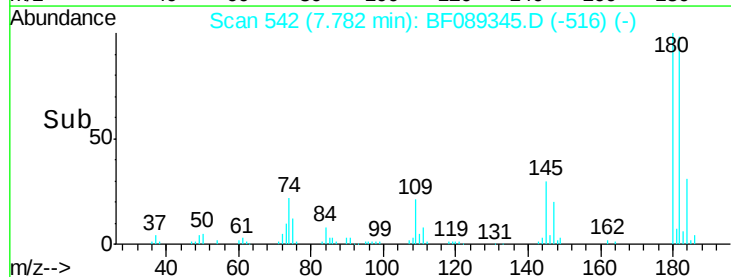
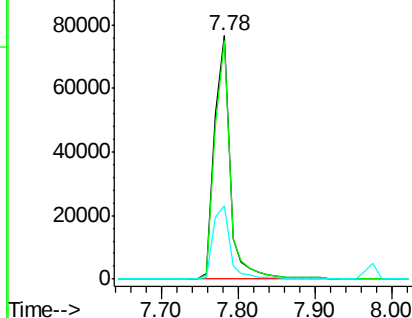


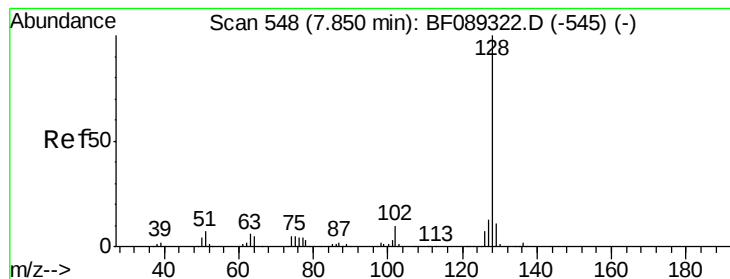
#30
 1,2,4-Trichlorobenzene
 Concen: 36.51 ng
 RT: 7.78 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	78.2	117.2
145	30.1	24.6	36.8



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: 38.62 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

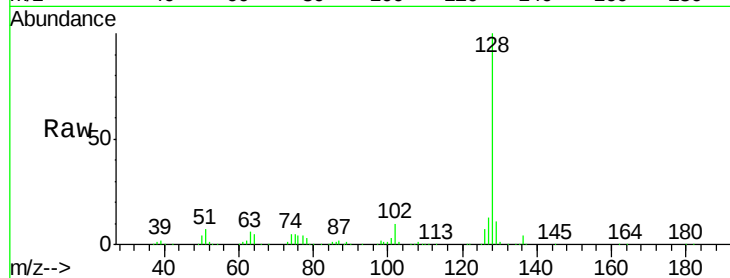
Tgt Ion:128 Resp: 399175

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

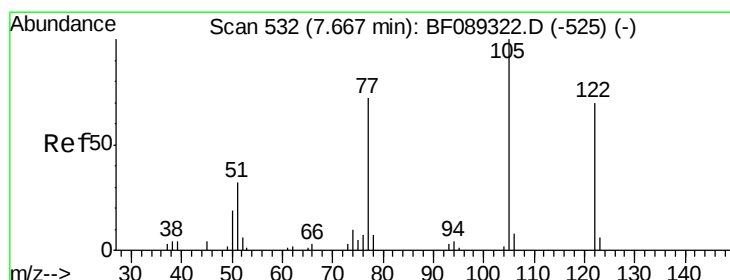
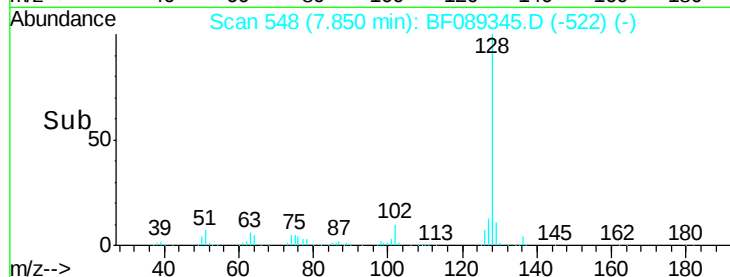
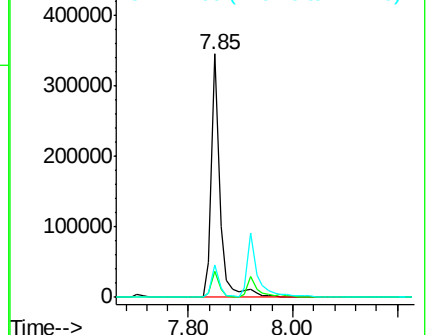
127 13.2 10.8 16.2



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: 53.62 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.16 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

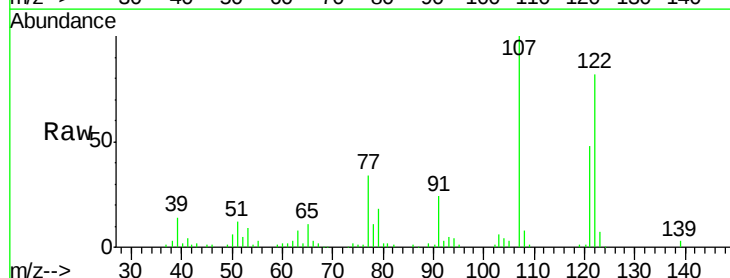
Tgt Ion:122 Resp: 107096

Ion Ratio Lower Upper

122 100

105 4.1 106.4 146.4#

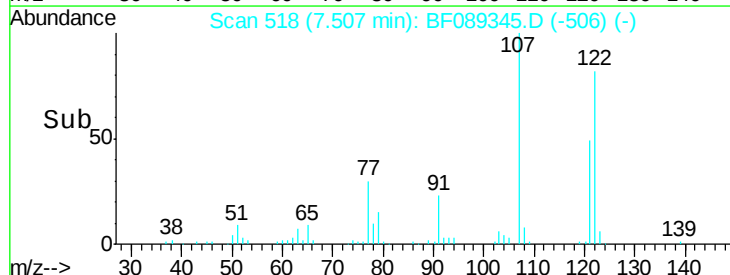
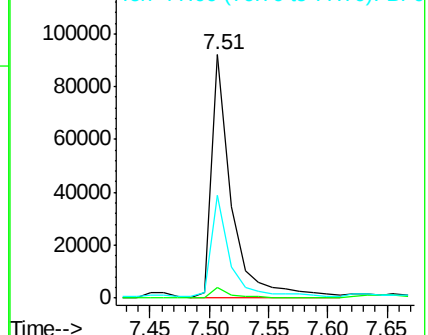
77 42.2 76.4 116.4#

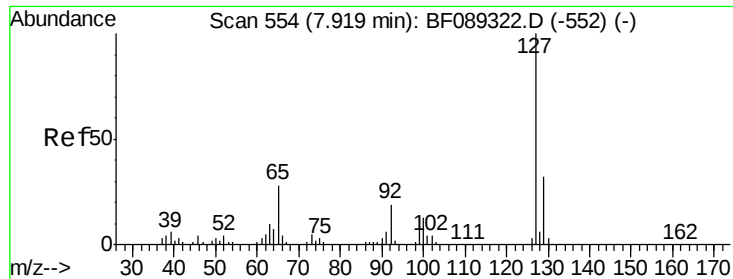


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

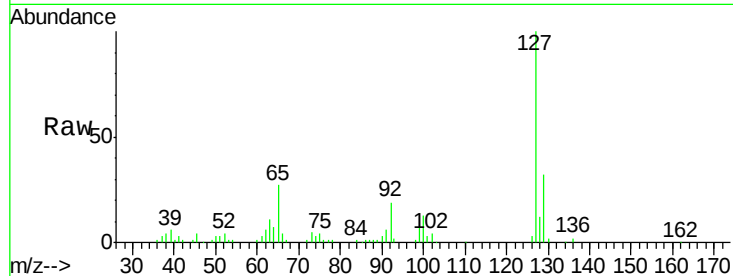




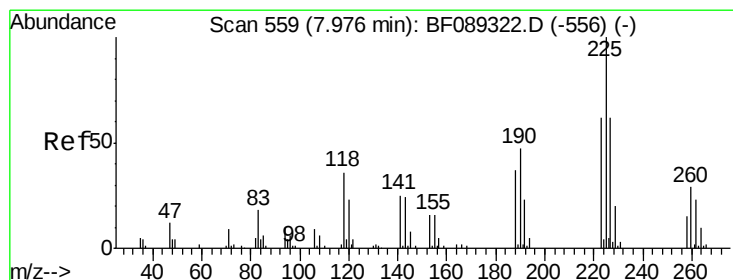
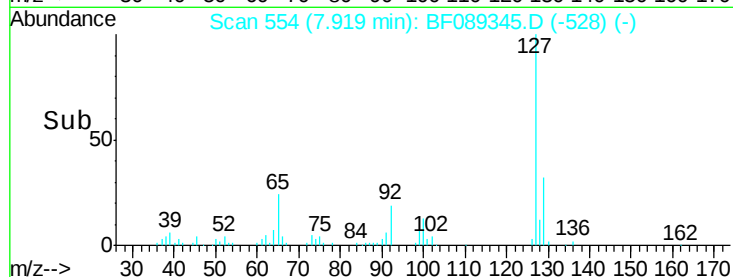
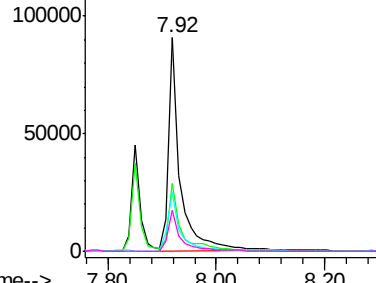
#33
4-Chloroaniline
Concen: 33.43 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

Tgt Ion:	127	Resp:	131521
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	27.5	22.0	33.0
92	19.1	15.2	22.8

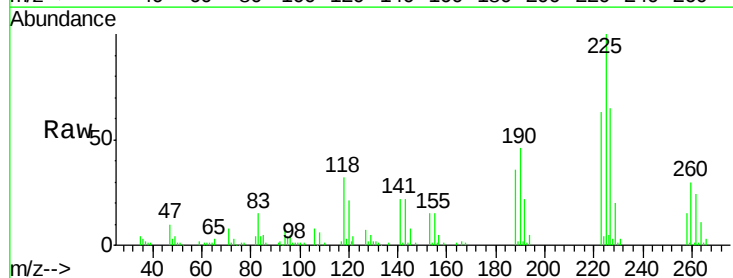


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

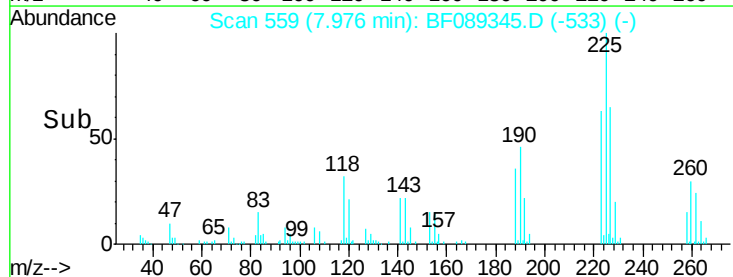
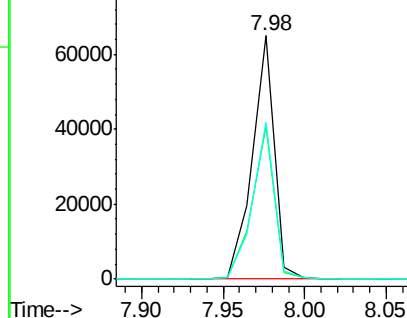


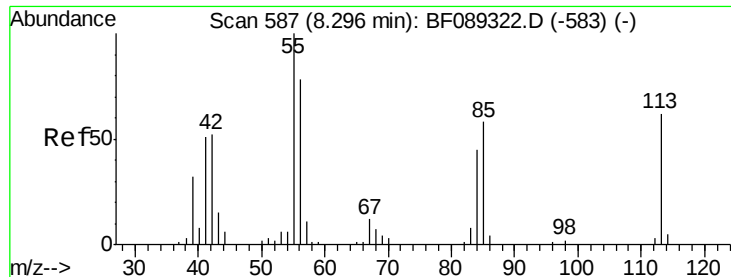
#34
Hexachlorobutadiene
Concen: 35.72 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:	225	Resp:	60958
Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.8	74.8
227	64.5	49.4	74.2



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: 21.50 ng

RT: 8.28 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

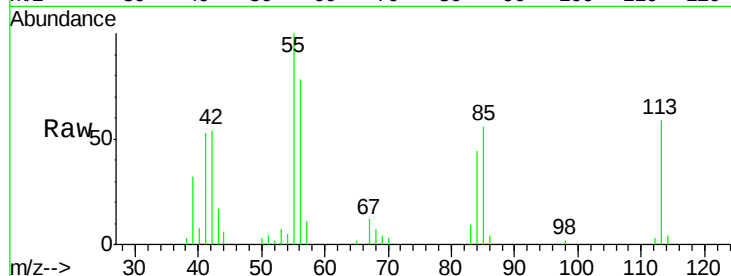
Tgt Ion:113 Resp: 16952

Ion Ratio Lower Upper

113 100

55 169.4 142.3 182.3

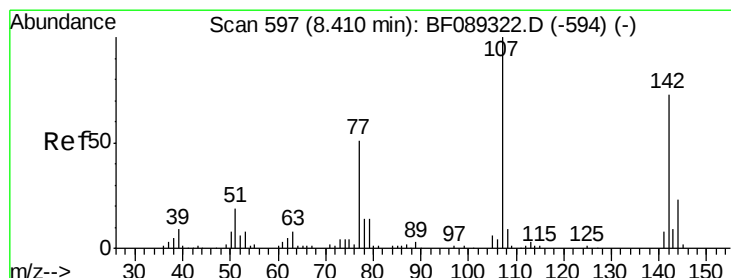
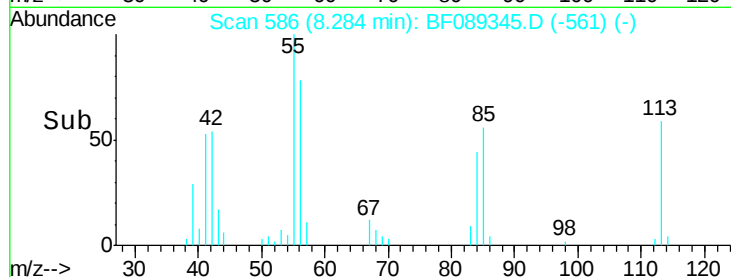
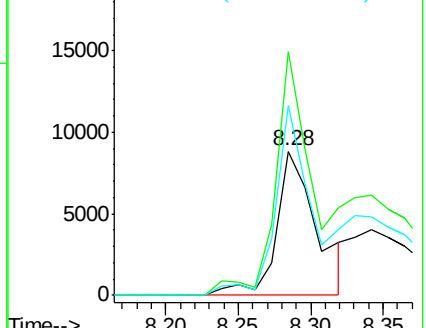
56 131.7 105.8 145.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 39.70 ng

RT: 8.41 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

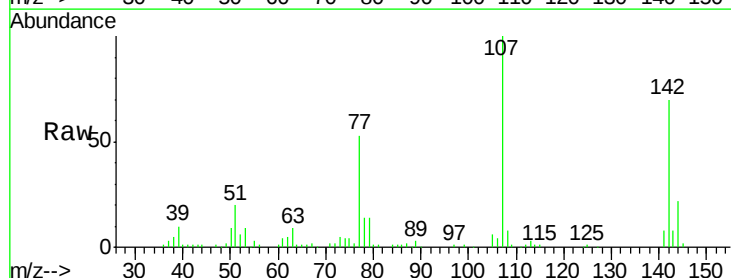
Tgt Ion:107 Resp: 123226

Ion Ratio Lower Upper

107 100

144 21.8 18.4 27.6

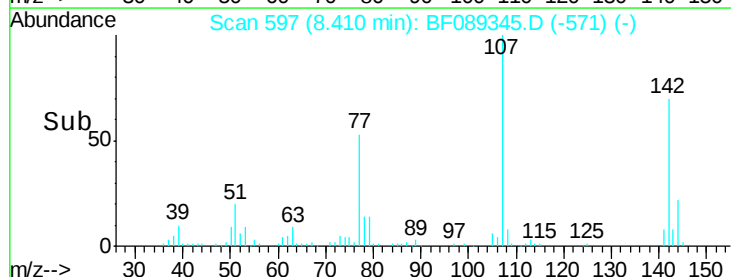
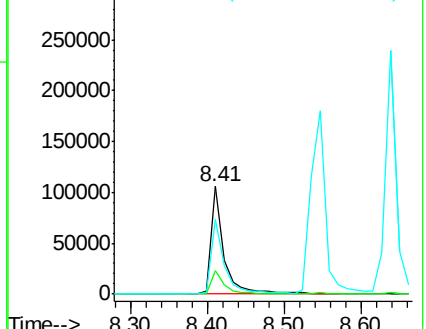
142 70.0 58.6 87.8

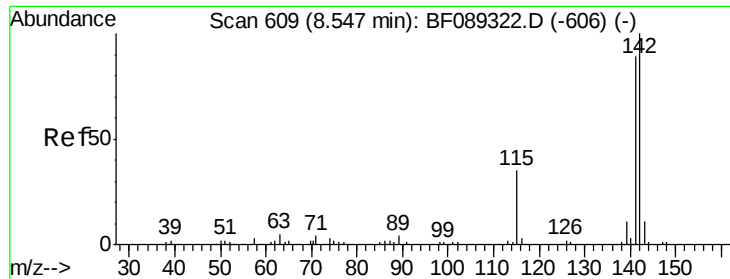


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

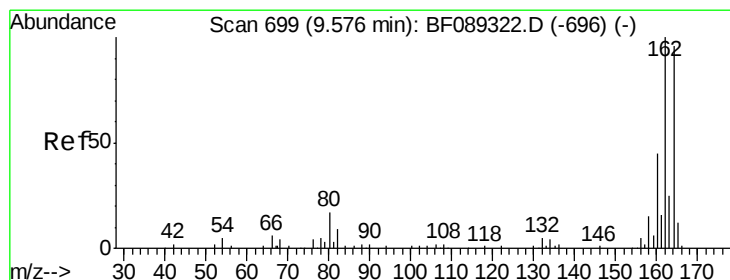
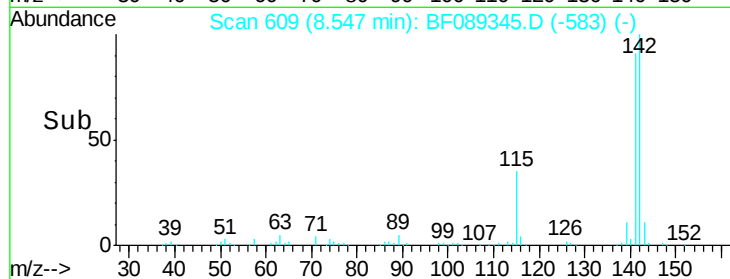
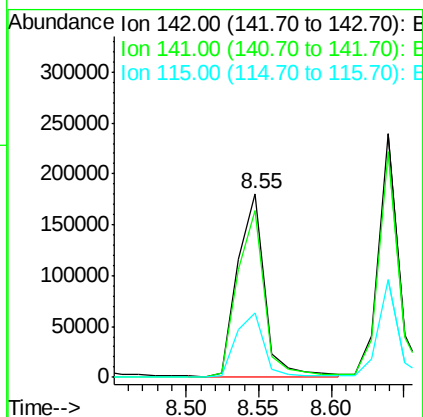
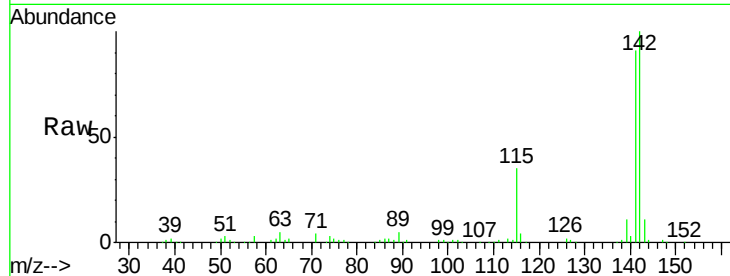




#37
 2-Methylnaphthalene
 Concen: 38.05 ng
 RT: 8.55 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

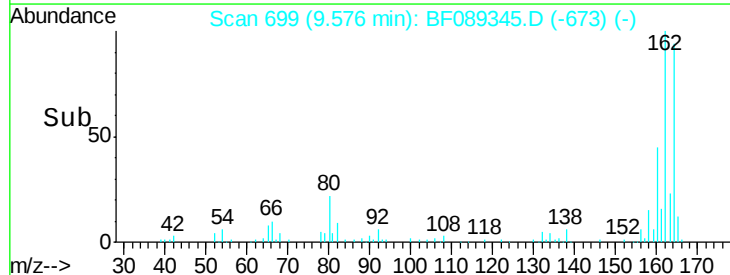
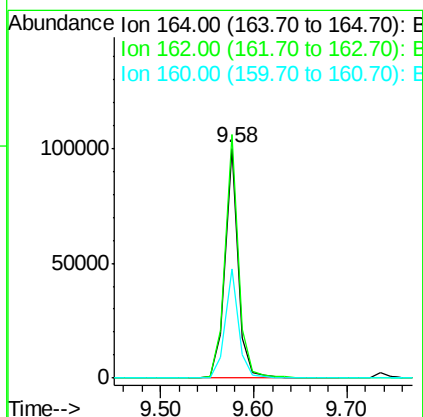
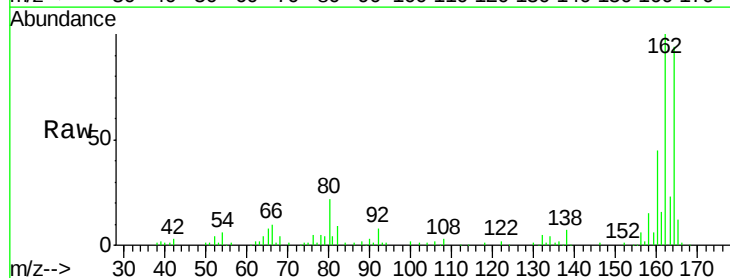
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

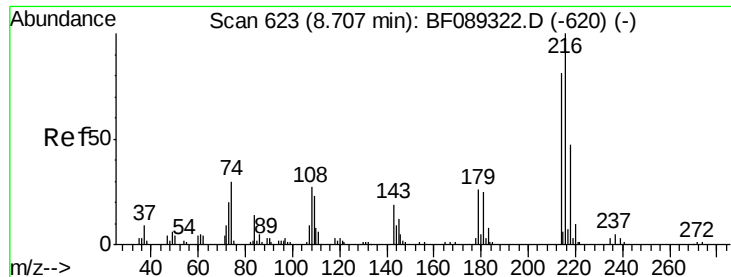
Tgt Ion:142 Resp: 236920
 Ion Ratio Lower Upper
 142 100
 141 90.6 70.9 106.3
 115 34.8 27.6 41.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion:164 Resp: 98396
 Ion Ratio Lower Upper
 164 100
 162 106.0 83.7 125.5
 160 47.8 37.8 56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 26.94 ng

RT: 8.71 min Scan# 623

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

Tgt Ion:216 Resp: 92749

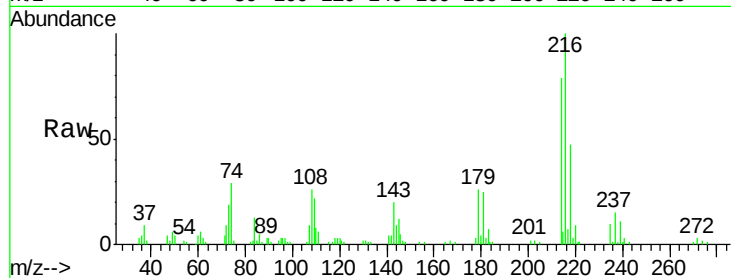
Ion Ratio Lower Upper

216 100

214 78.1 63.3 94.9

179 22.7 18.1 27.1

108 23.0 17.2 25.8

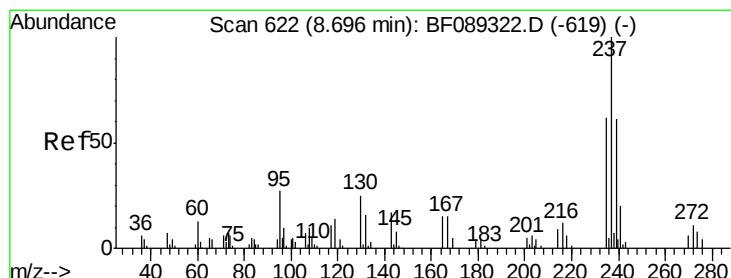
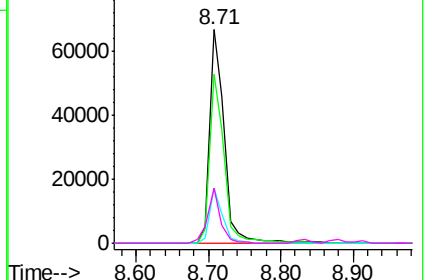
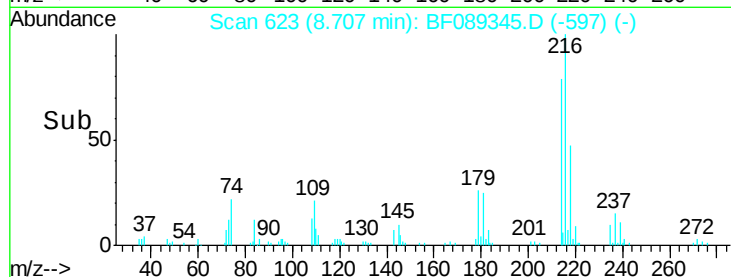


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 73.27 ng

RT: 8.70 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

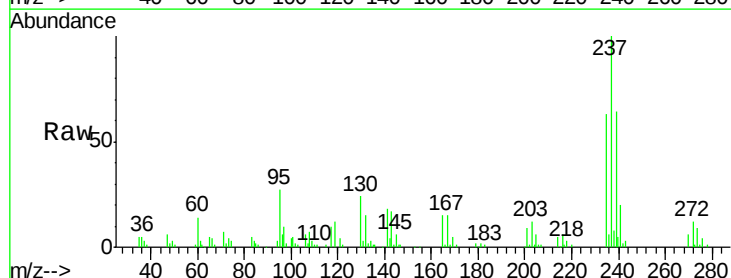
Tgt Ion:237 Resp: 71093

Ion Ratio Lower Upper

237 100

235 63.2 41.6 81.6

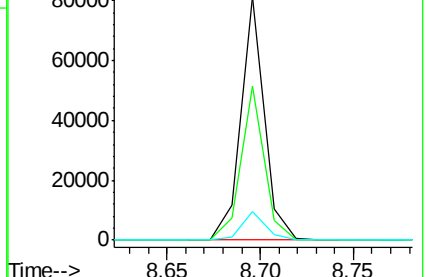
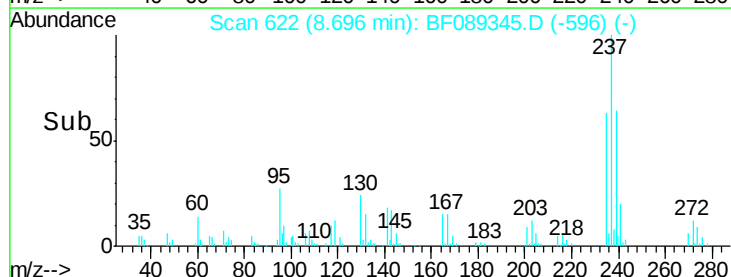
272 11.6 0.0 30.8

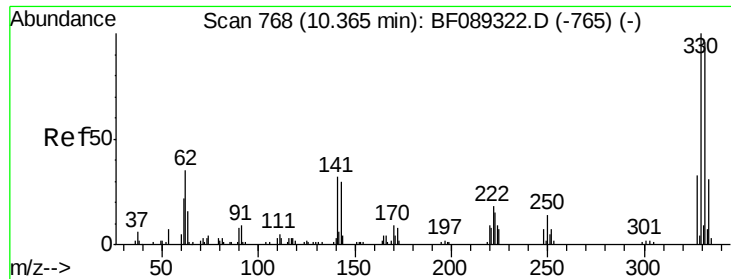


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

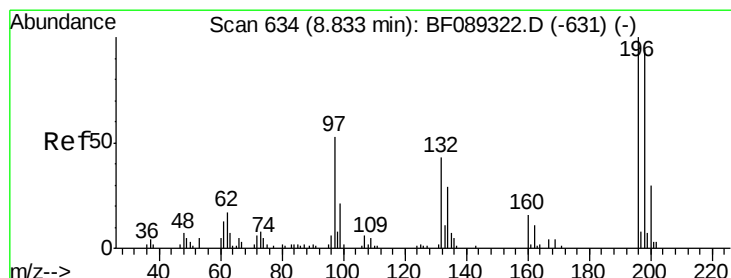
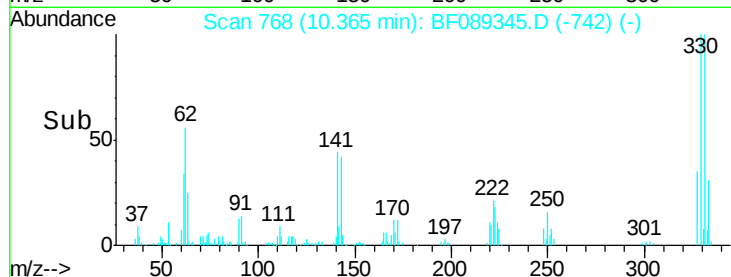
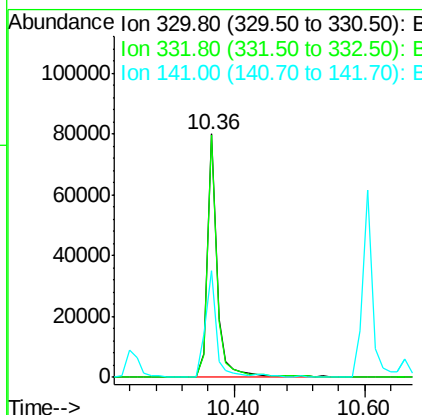
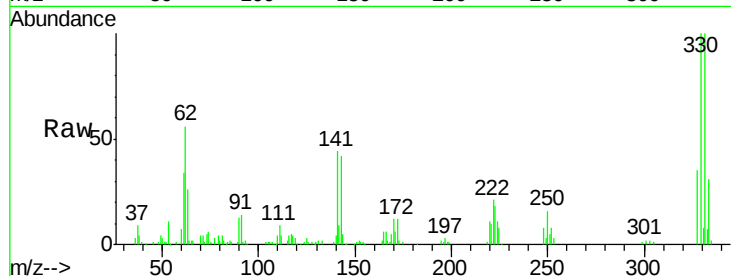




#41
 2,4,6-Tribromophenol
 Concen: 103.66 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

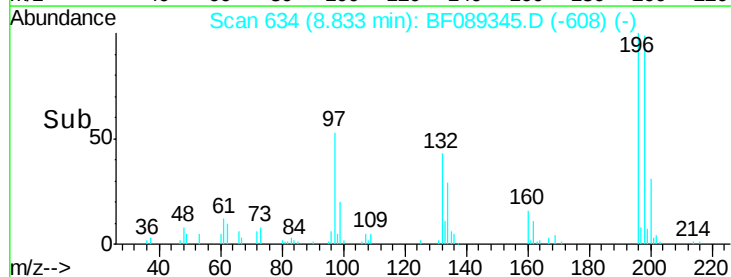
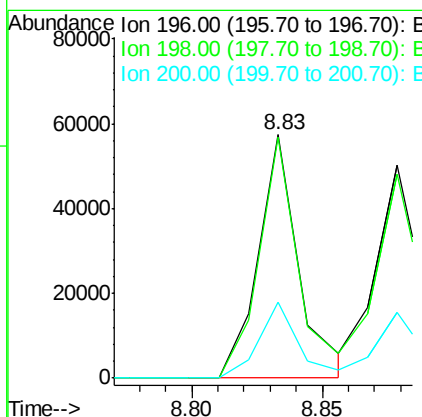
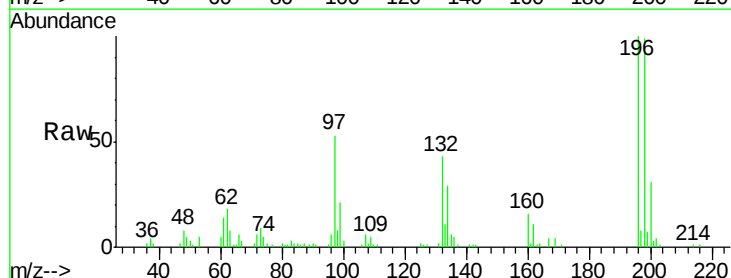
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

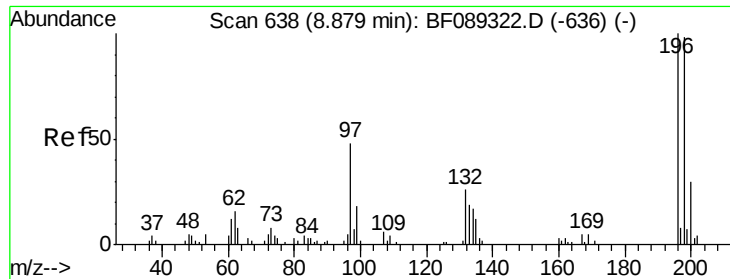
Tgt Ion:330 Resp: 84473
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.8 115.2
 141 51.3 37.3 55.9



#42
 2,4,6-Trichlorophenol
 Concen: 38.05 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion:196 Resp: 62284
 Ion Ratio Lower Upper
 196 100
 198 99.2 75.5 113.3
 200 31.3 23.9 35.9

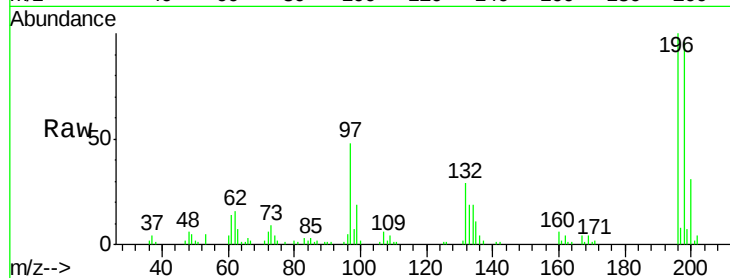




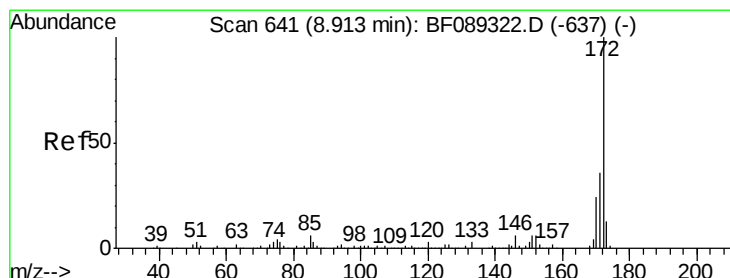
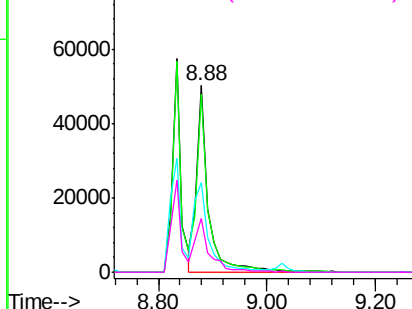
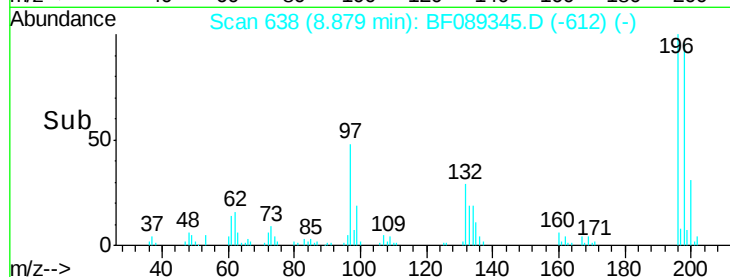
#43
 2,4,5-Trichlorophenol
 Concen: 36.88 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion:	196	Resp:	76479
Ion	Ratio	Lower	Upper
196	100		
198	95.7	78.7	118.1
97	48.3	39.7	59.5
132	28.7	22.8	34.2

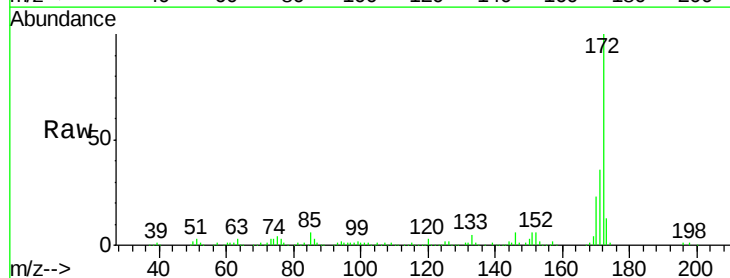


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

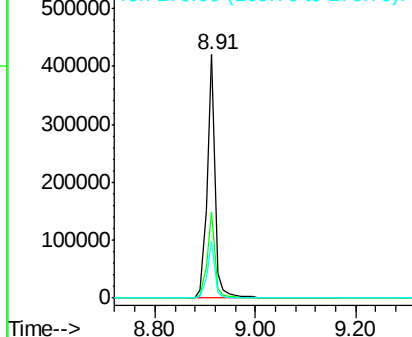
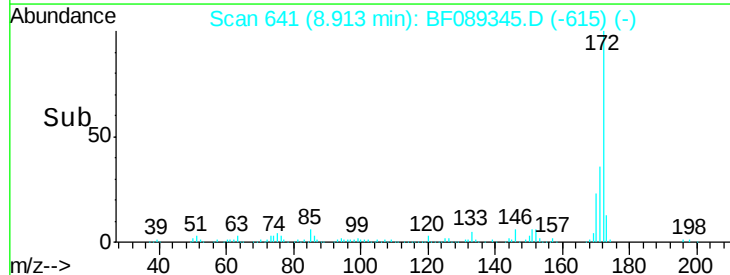


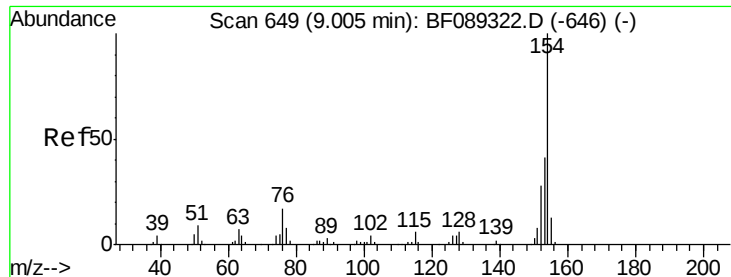
#44
 2-Fluorobiphenyl
 Concen: 69.17 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion:	172	Resp:	463795
Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.1	19.2	28.8



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

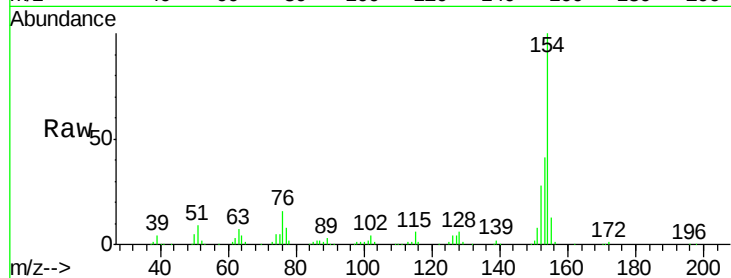




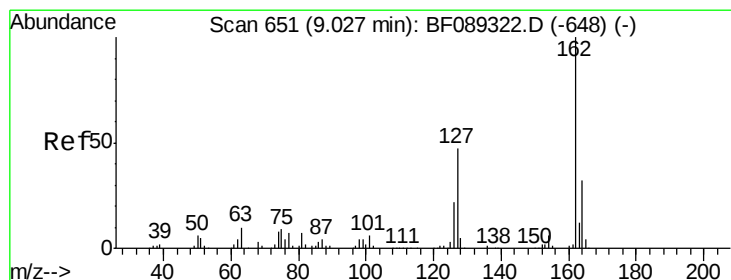
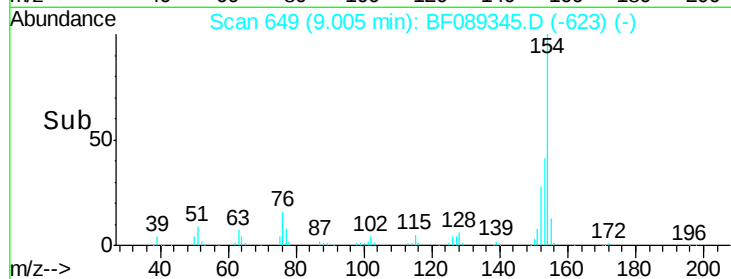
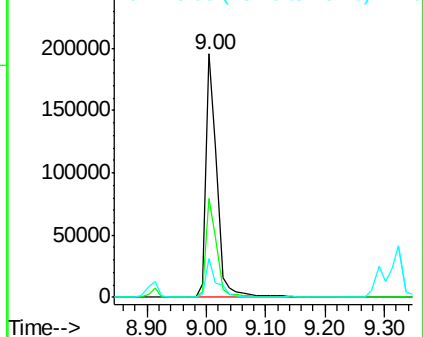
#45
 1,1'-Biphenyl
 Concen: 30.27 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion:154 Resp: 253570
 Ion Ratio Lower Upper
 154 100
 153 40.7 21.0 61.0
 76 16.1 0.0 36.6

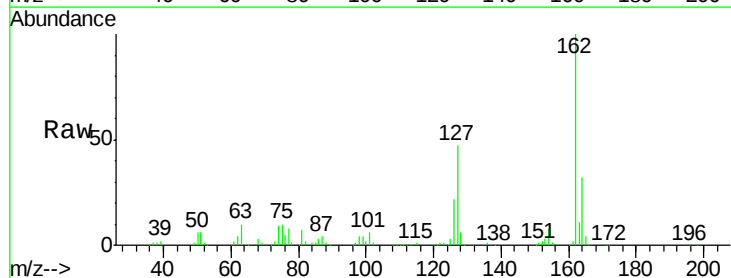


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

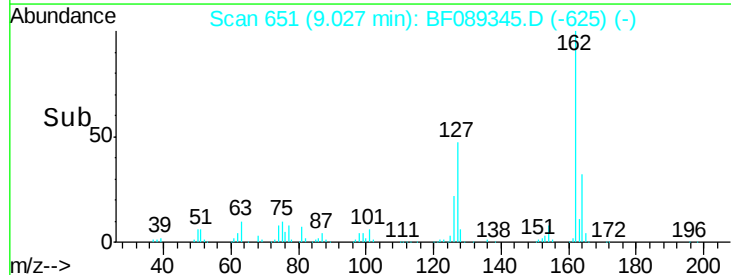
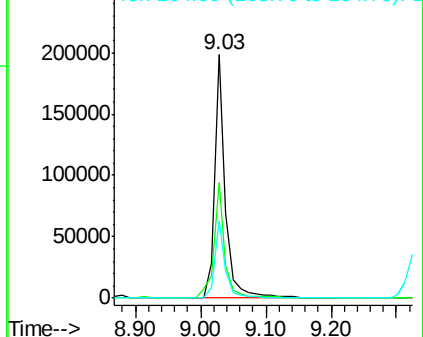


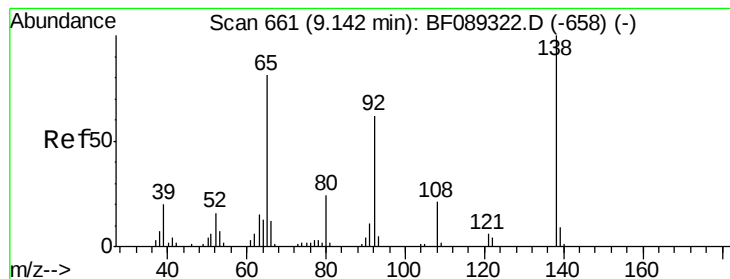
#46
 2-Chloronaphthalene
 Concen: 36.77 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion:162 Resp: 231351
 Ion Ratio Lower Upper
 162 100
 127 47.3 37.8 56.8
 164 32.0 25.8 38.8



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: 39.48 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

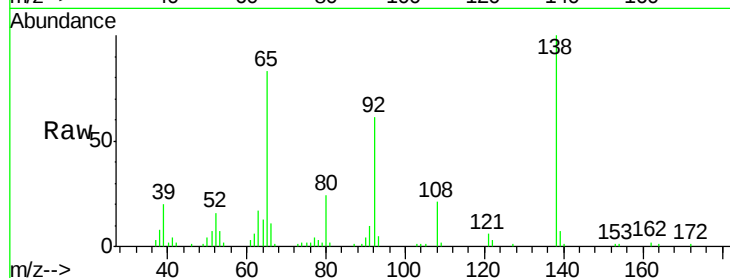
Tgt Ion: 65 Resp: 73568

Ion Ratio Lower Upper

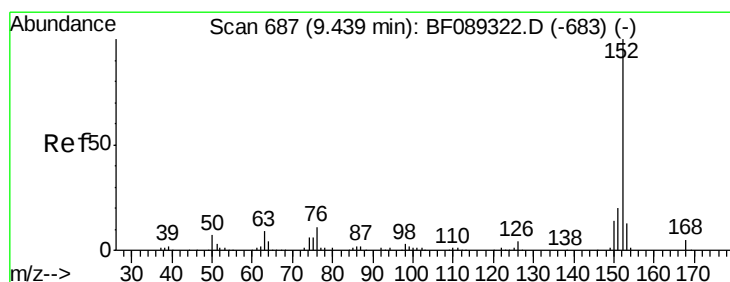
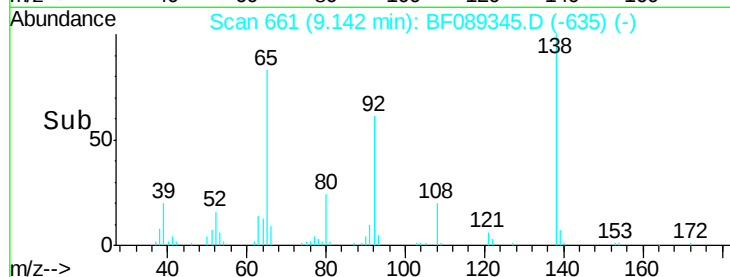
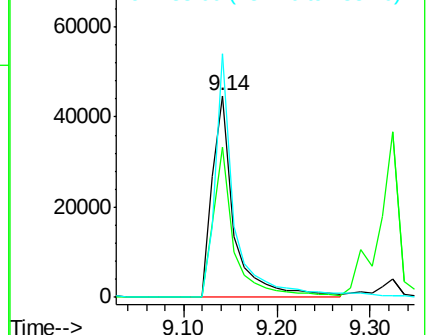
65 100

92 74.3 61.0 91.4

138 120.8 99.1 148.7



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 37.57 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

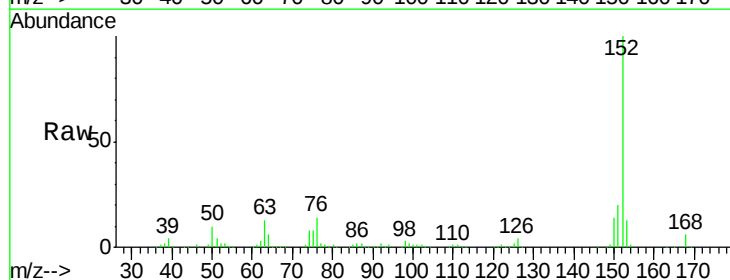
Tgt Ion: 152 Resp: 372339

Ion Ratio Lower Upper

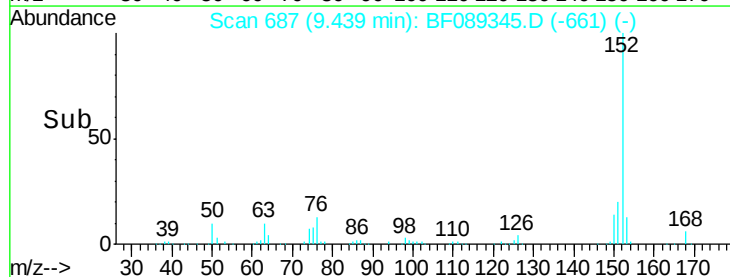
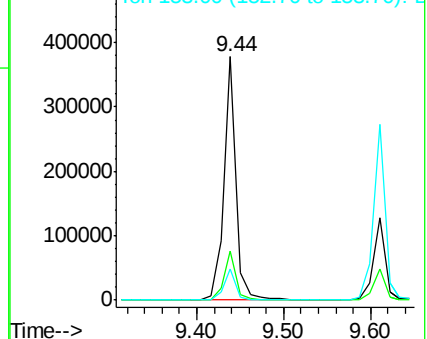
152 100

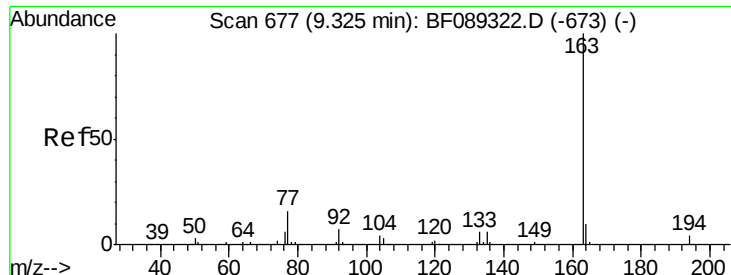
151 20.2 16.2 24.2

153 13.0 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

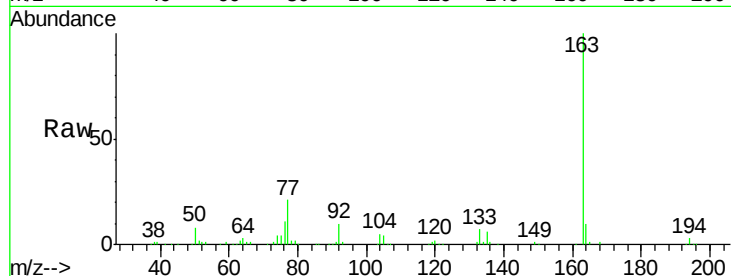




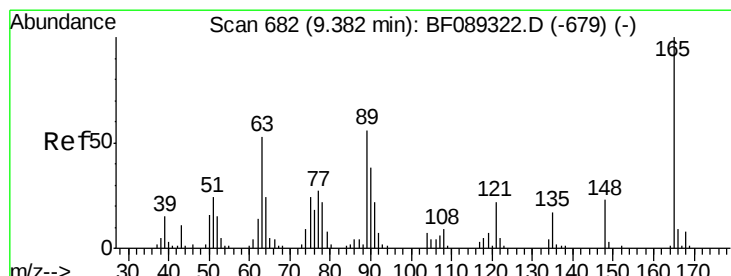
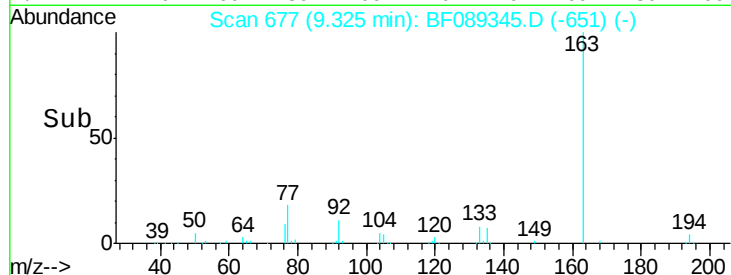
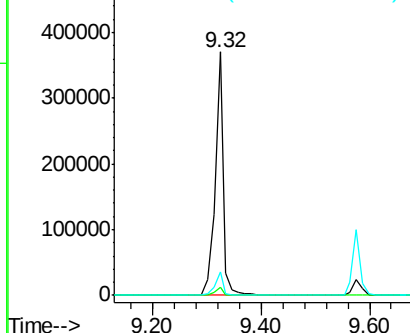
#49
Dimethylphthalate
Concen: 52.99 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

Tgt Ion:163 Resp: 396819
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 9.8 7.8 11.8

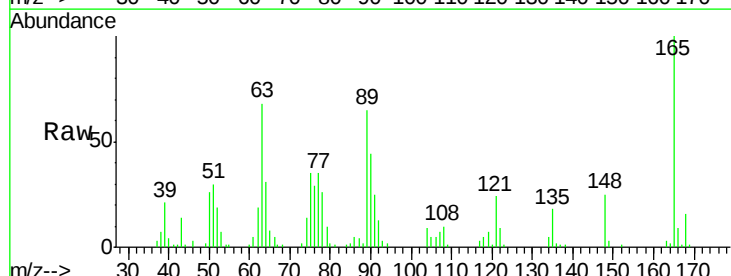


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

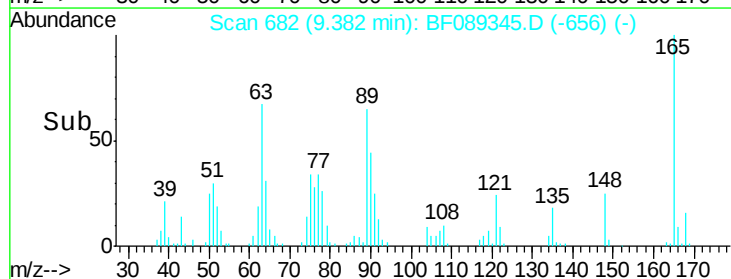
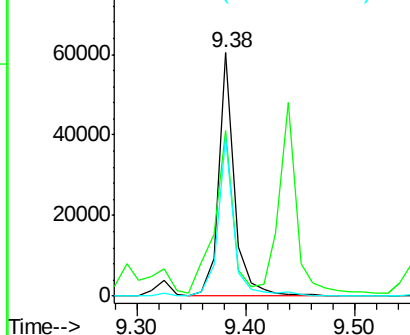


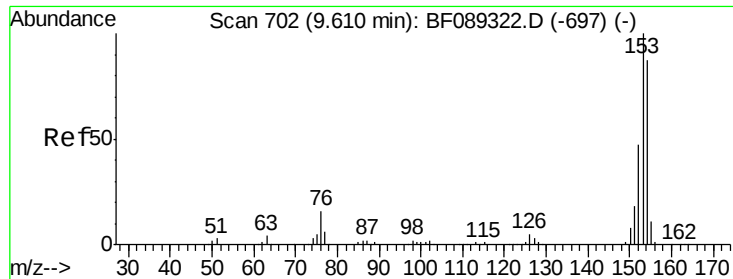
#50
2,6-Dinitrotoluene
Concen: 40.15 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:165 Resp: 61782
Ion Ratio Lower Upper
165 100
63 68.1 43.5 65.3#
89 65.2 45.0 67.4



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: 38.49 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

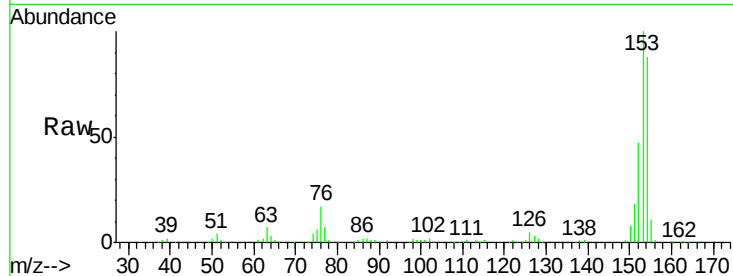
Tgt Ion:154 Resp: 222758

Ion Ratio Lower Upper

154 100

153 114.0 91.4 137.2

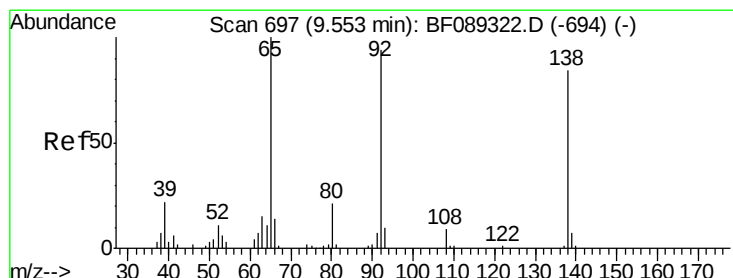
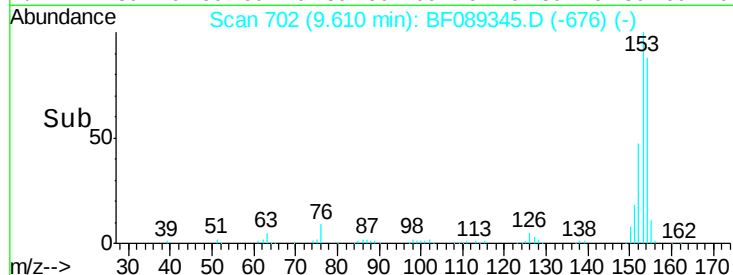
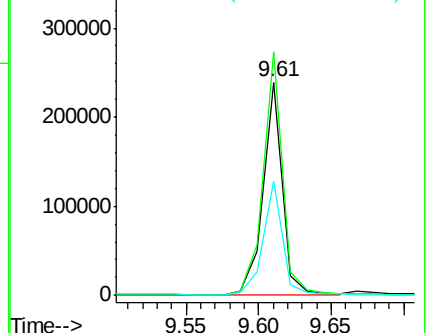
152 53.8 43.8 65.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 36.79 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

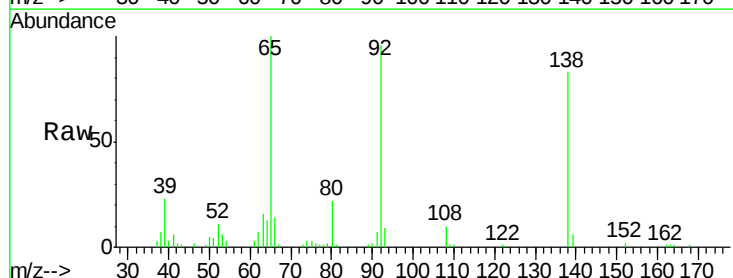
Tgt Ion:138 Resp: 59739

Ion Ratio Lower Upper

138 100

108 11.5 8.6 13.0

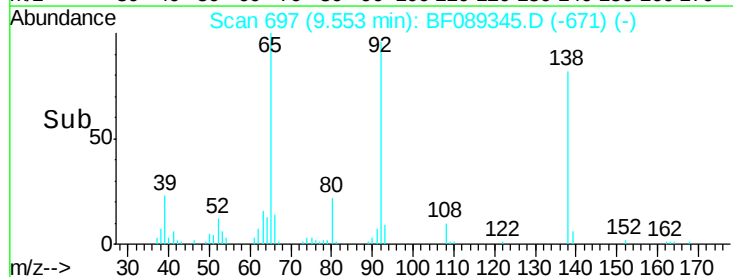
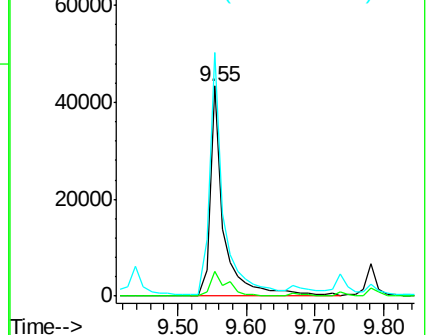
92 115.9 90.0 135.0

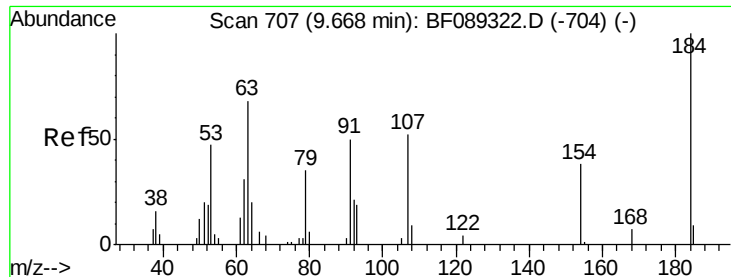


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

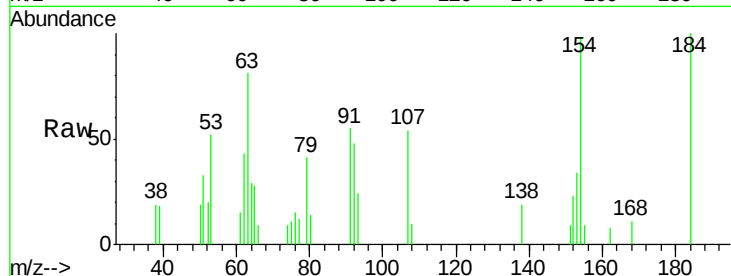




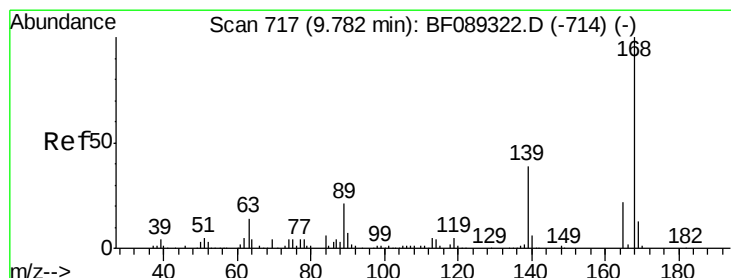
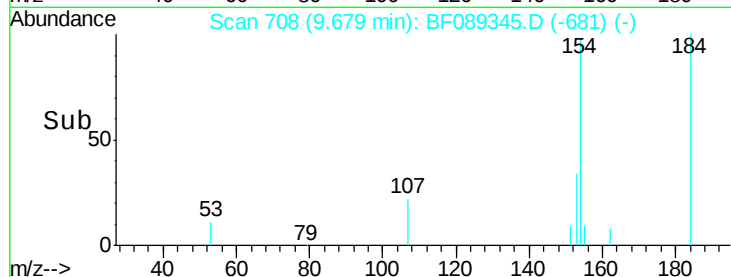
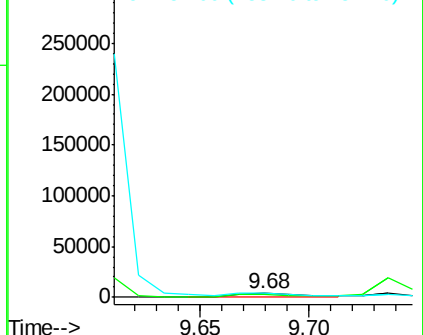
#53
 2,4-Dinitrophenol
 Concen: 23.44 ng
 RT: 9.68 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion:184 Resp: 9286
 Ion Ratio Lower Upper
 184 100
 63 81.3 60.6 90.8
 154 98.1 69.8 104.8

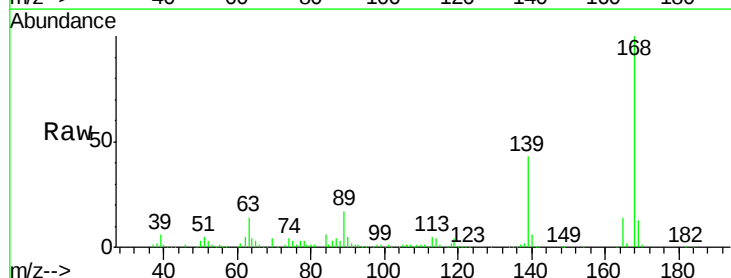


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

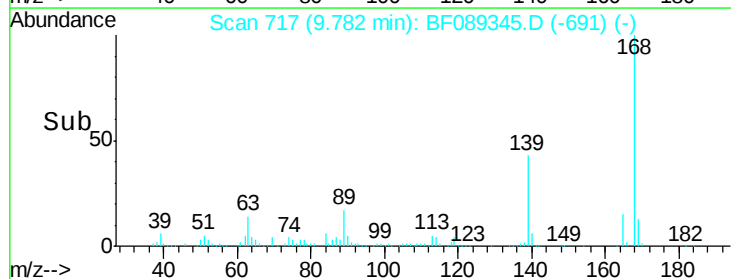
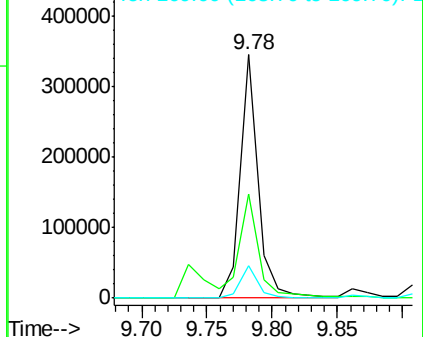


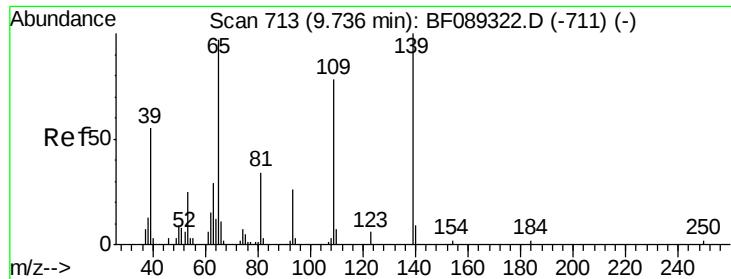
#54
 Dibenzofuran
 Concen: 41.77 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion:168 Resp: 329425
 Ion Ratio Lower Upper
 168 100
 139 42.8 33.7 50.5
 169 13.3 10.7 16.1



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

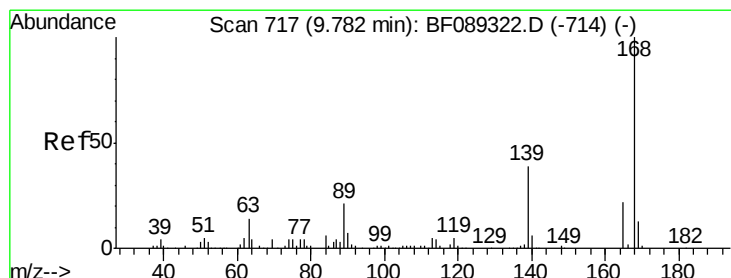
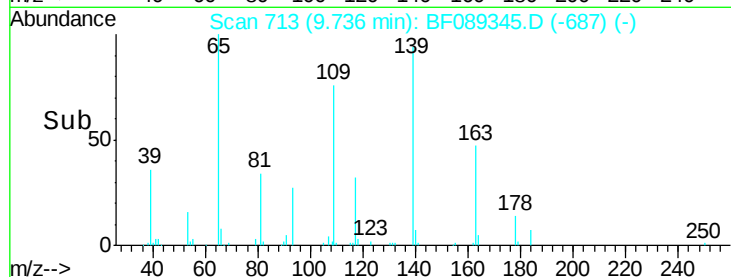
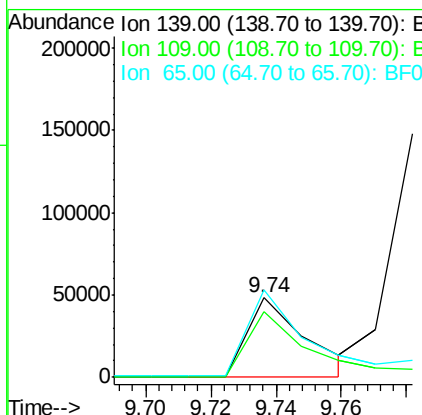
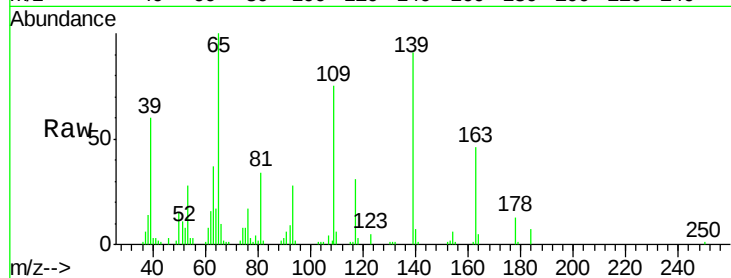




#55
4-Nitrophenol
Concen: 75.84 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

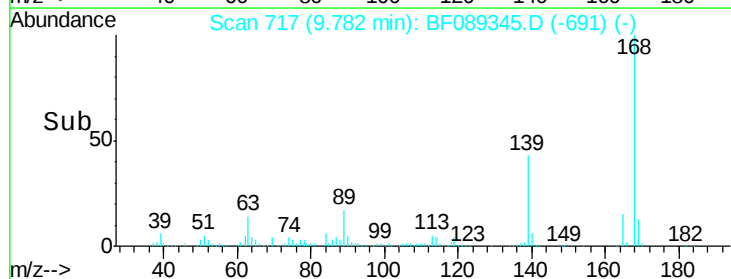
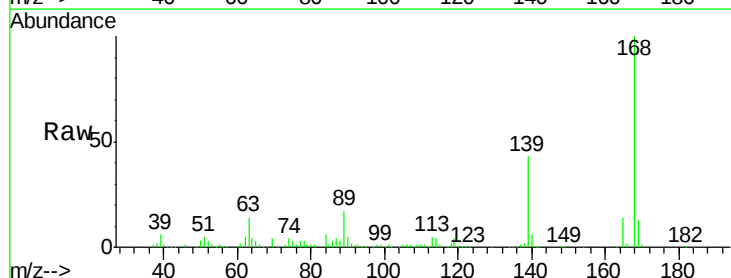
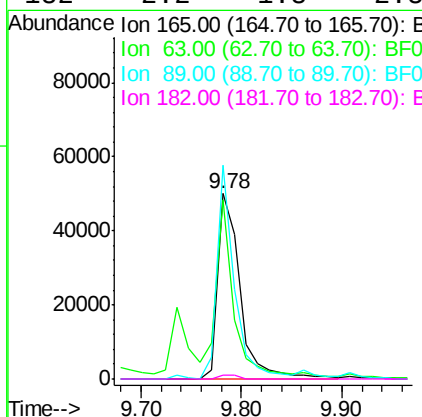
Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

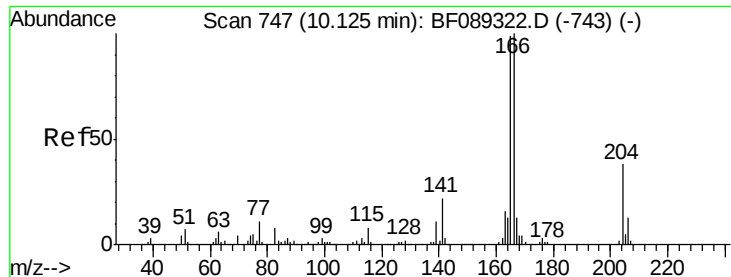
Tgt Ion:139 Resp: 59701
Ion Ratio Lower Upper
139 100
109 82.4 57.8 97.8
65 110.1 81.7 121.7



#56
2,4-Dinitrotoluene
Concen: 38.22 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:165 Resp: 77420
Ion Ratio Lower Upper
165 100
63 96.4 58.2 87.2#
89 115.3 79.1 118.7
182 2.2 1.8 2.8





#57

Fluorene

Concen: 38.69 ng

RT: 10.12 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

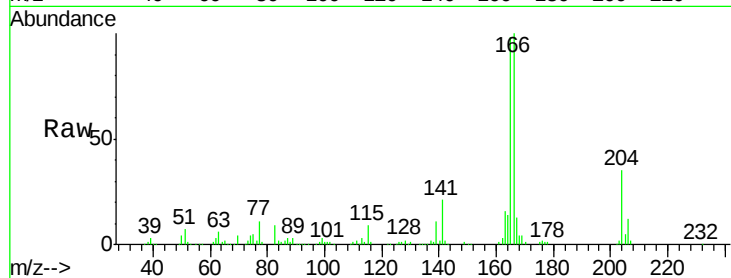
Tgt Ion:166 Resp: 266374

Ion Ratio Lower Upper

166 100

165 98.2 79.0 118.4

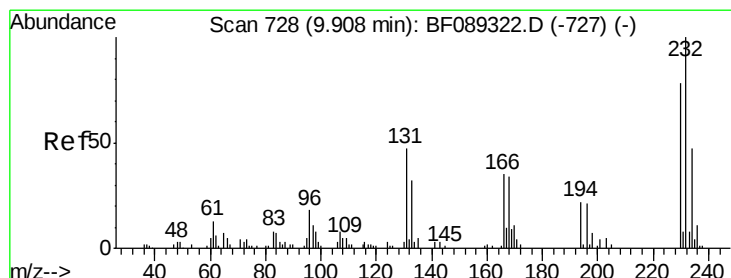
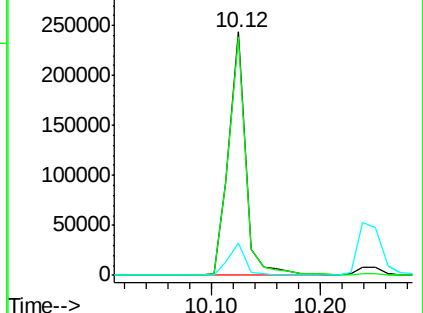
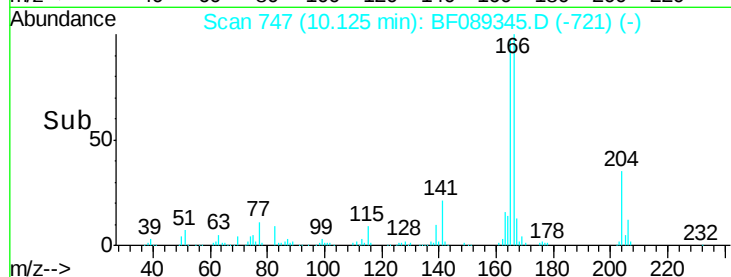
167 13.2 10.2 15.2



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: 44.74 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Tgt Ion:232 Resp: 61945

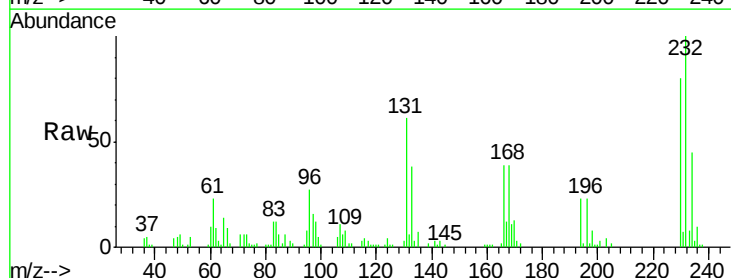
Ion Ratio Lower Upper

232 100

131 52.2 42.7 64.1

130 2.3 1.7 2.5

166 36.2 25.7 38.5

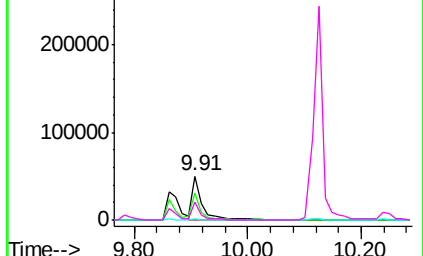
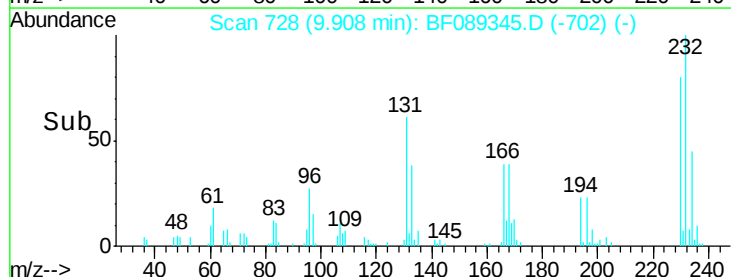


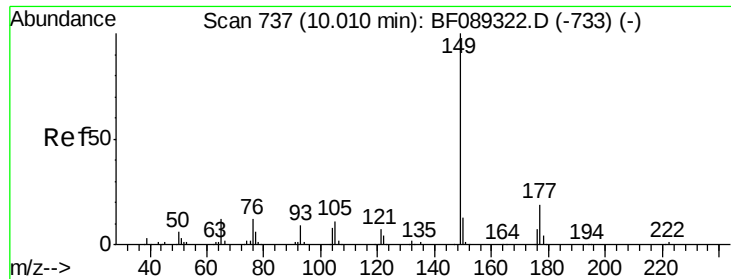
Abundance Ion 232.00 (231.70 to 232.70): E

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

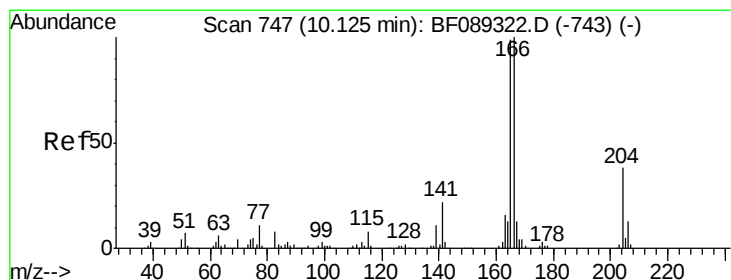
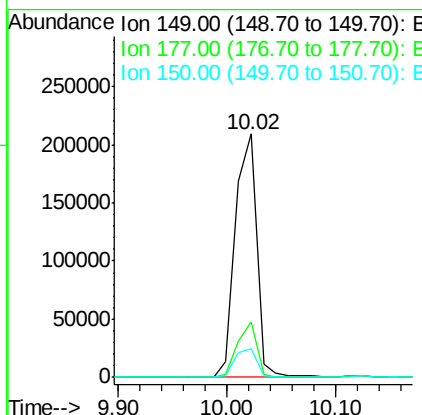
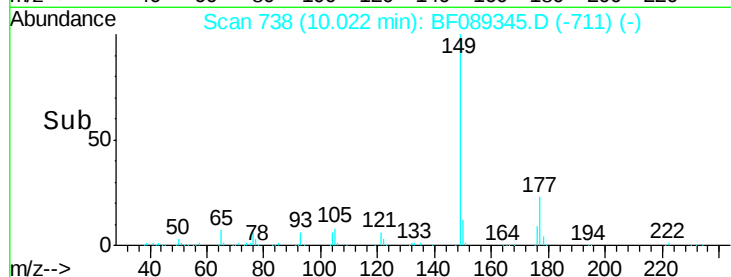
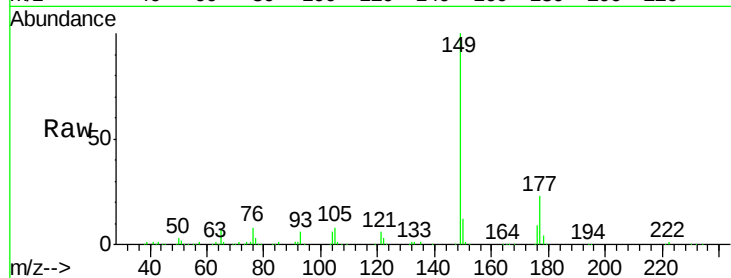




#59
Diethylphthalate
Concen: 37.27 ng
RT: 10.02 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

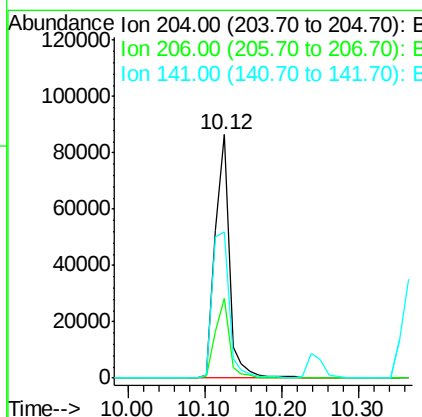
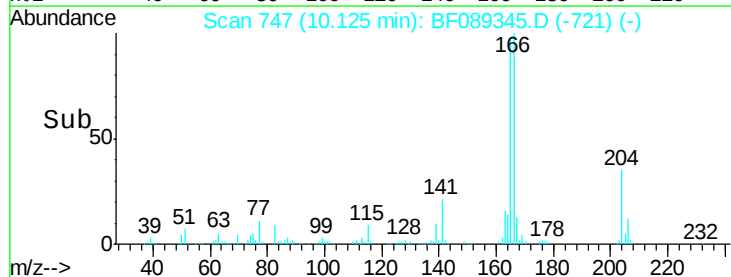
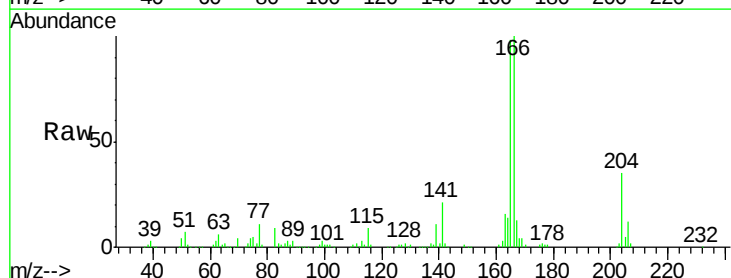
Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

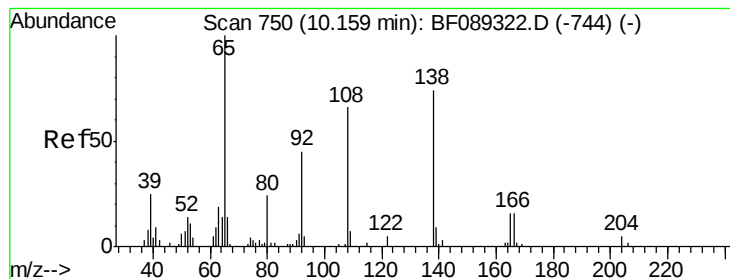
Tgt Ion:149 Resp: 282958
Ion Ratio Lower Upper
149 100
177 22.9 15.1 22.7#
150 11.9 10.2 15.4



#60
4-Chlorophenyl-phenylether
Concen: 35.40 ng
RT: 10.12 min Scan# 747
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:204 Resp: 111766
Ion Ratio Lower Upper
204 100
206 33.0 26.6 39.8
141 60.2 46.6 70.0





#61

4-Nitroaniline

Concen: 39.59 ng

RT: 10.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

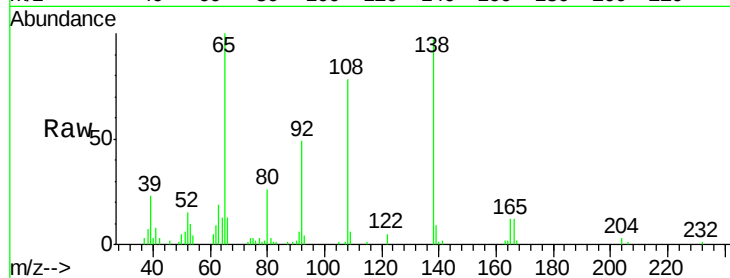
Tgt Ion:138 Resp: 66268

Ion Ratio Lower Upper

138 100

92 50.8 41.2 81.2

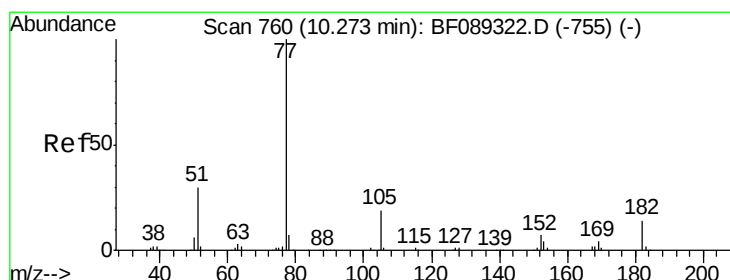
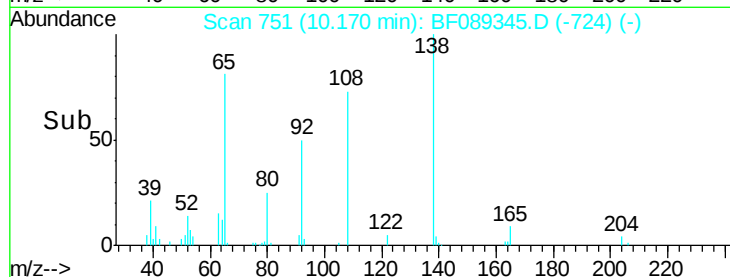
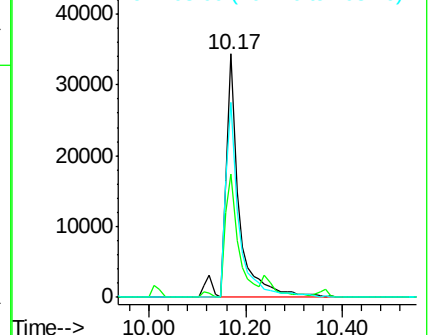
108 79.9 69.6 109.6



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: 39.14 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Tgt Ion: 77 Resp: 306017

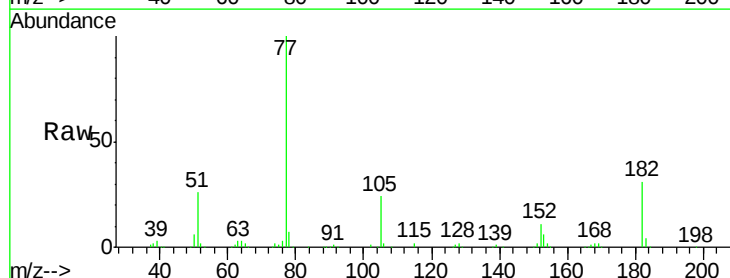
Ion Ratio Lower Upper

77 100

182 31.2 0.0 33.8

105 23.6 0.0 39.8

51 25.8 11.0 51.0

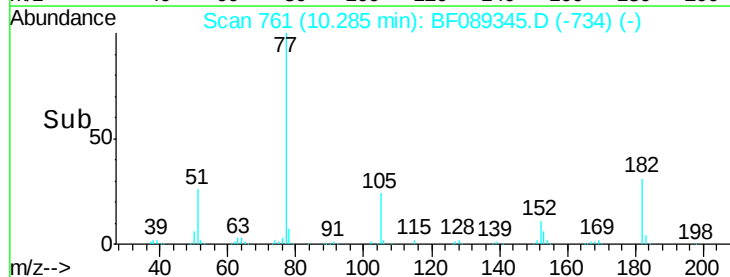
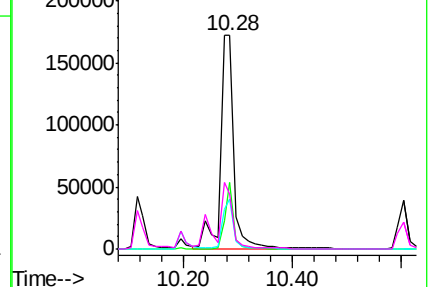


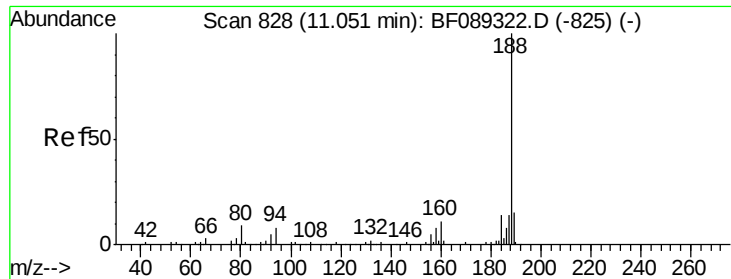
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

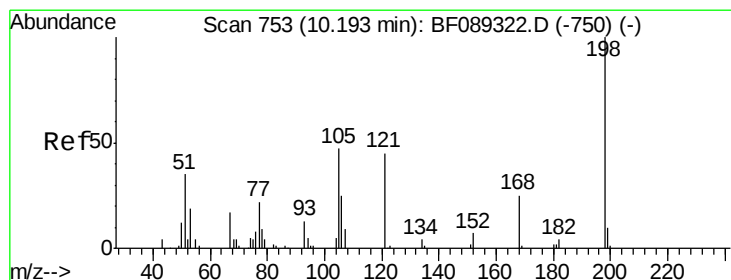
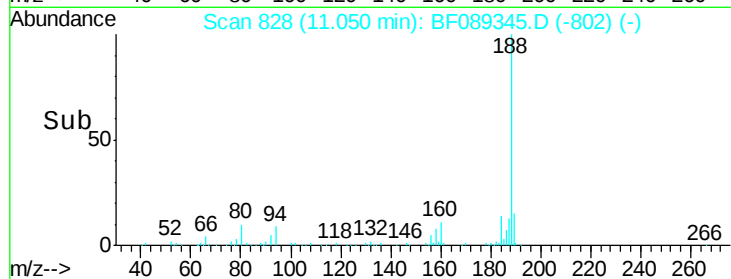
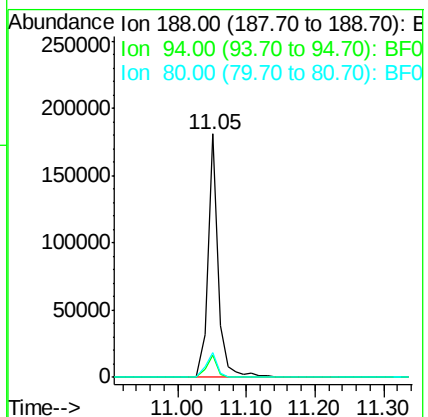
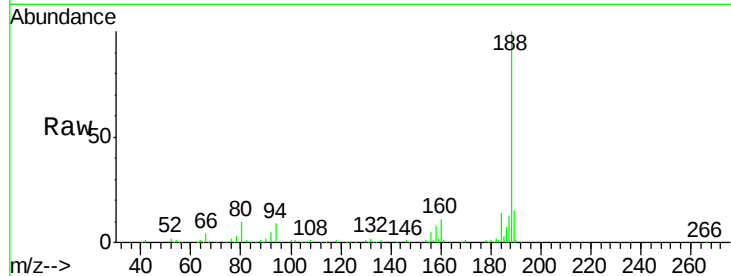




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

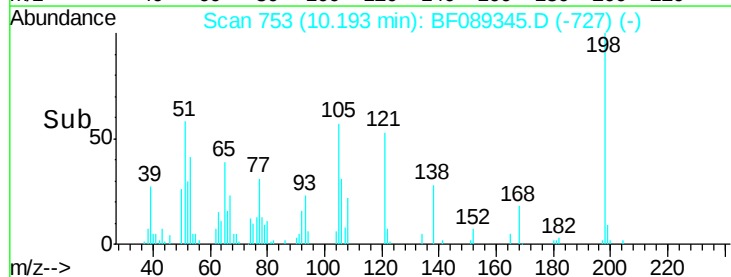
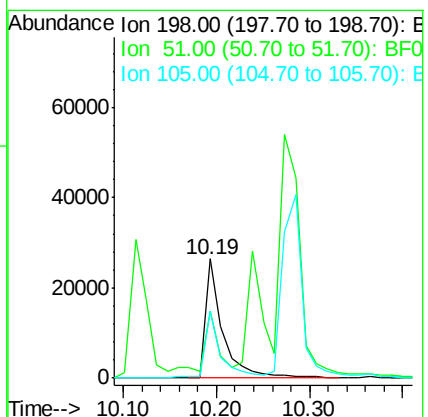
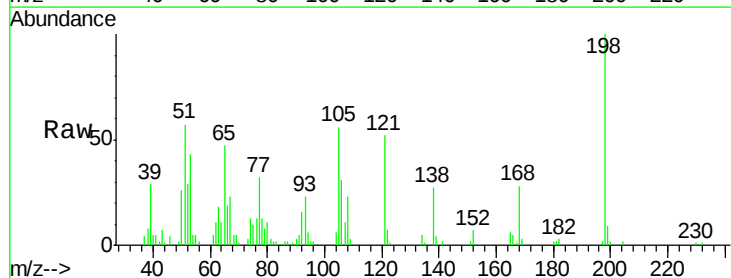
Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

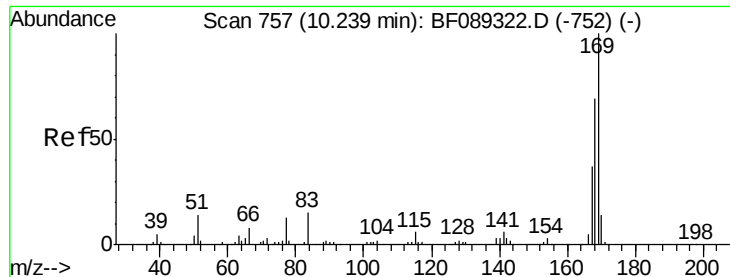
Tgt Ion:188 Resp: 188796
Ion Ratio Lower Upper
188 100
94 9.1 6.5 9.7
80 9.9 7.2 10.8



#64
4,6-Dinitro-2-methylphenol
Concen: 31.60 ng
RT: 10.19 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:198 Resp: 34150
Ion Ratio Lower Upper
198 100
51 56.8 23.0 63.0
105 56.0 28.3 68.3

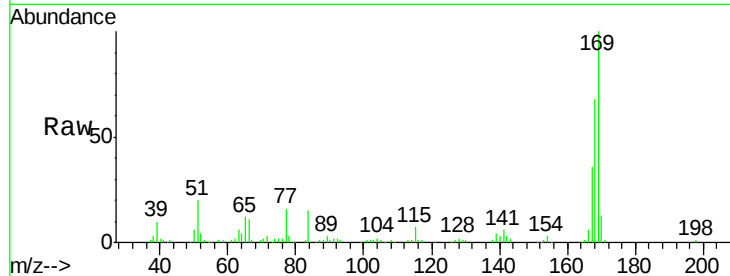




#65
 n-Nitrosodiphenylamine
 Concen: 37.58 ng
 RT: 10.24 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.7	55.4	83.0
167	36.4	29.7	44.5

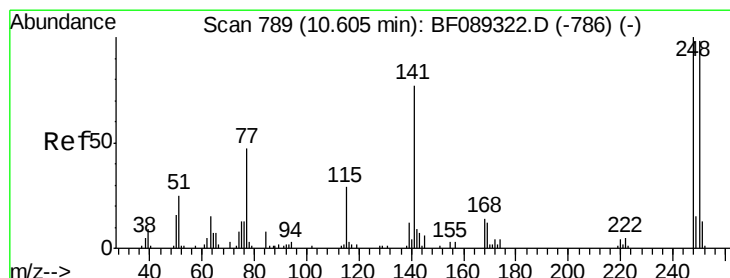
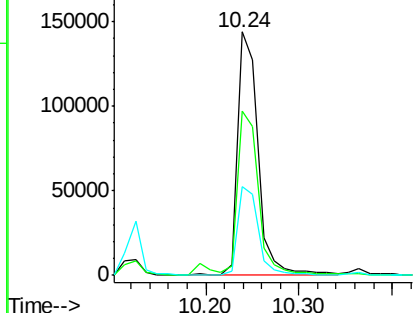
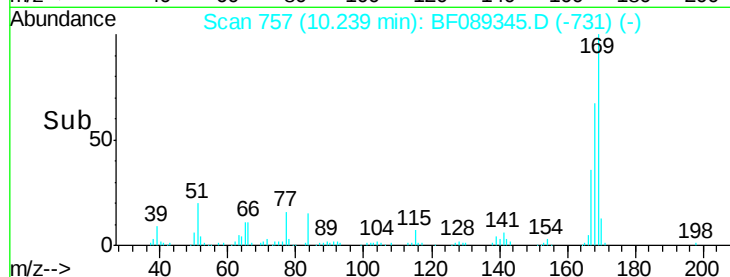


Abundance

Ion 169.00 (168.70 to 169.70): E

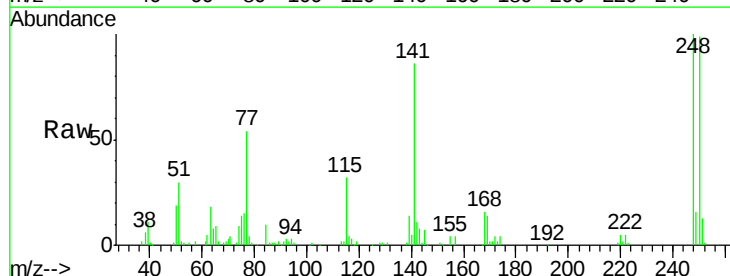
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66
 4-Bromophenyl-phenylether
 Concen: 38.96 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.7	78.2	117.2
141	85.9	62.0	93.0

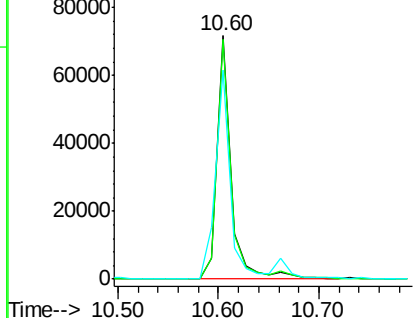
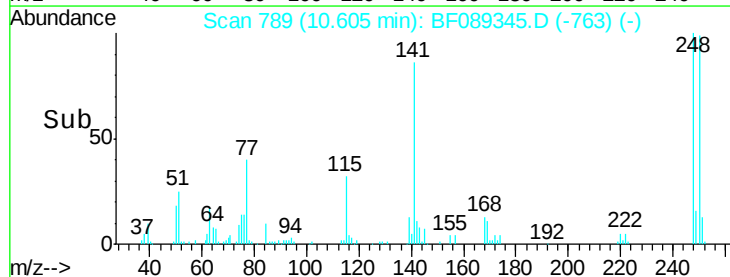


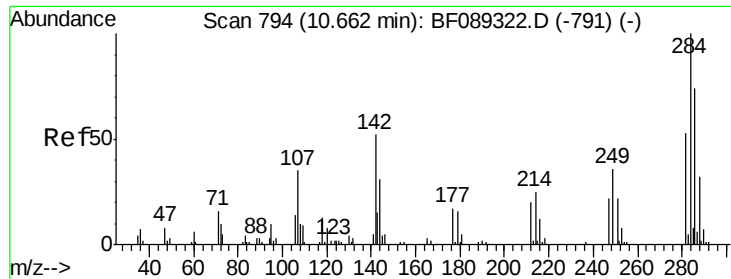
Abundance

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

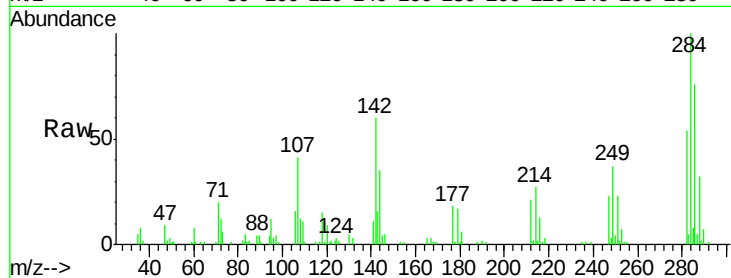




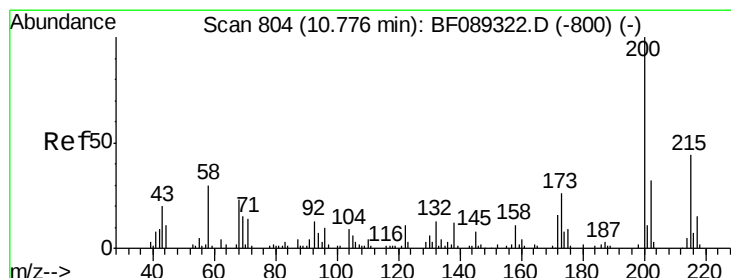
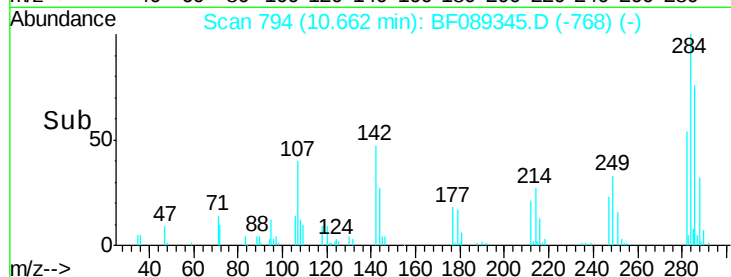
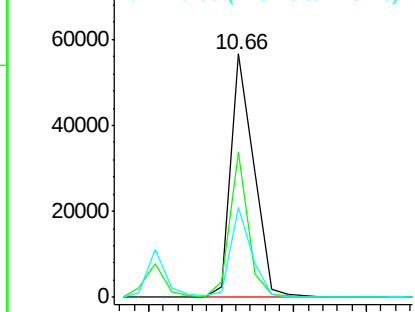
#67
Hexachlorobenzene
Concen: 33.84 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

Tgt Ion	Ratio	Lower	Upper
284	100		
142	59.6	42.2	63.4
249	37.2	29.4	44.0

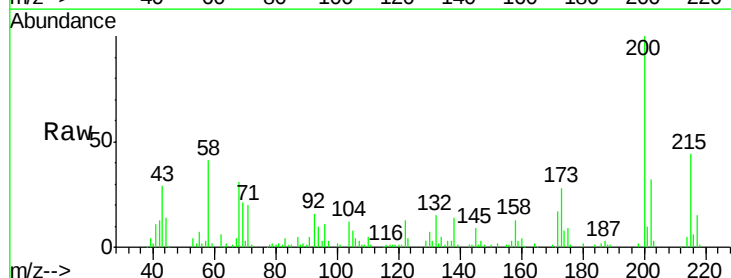


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

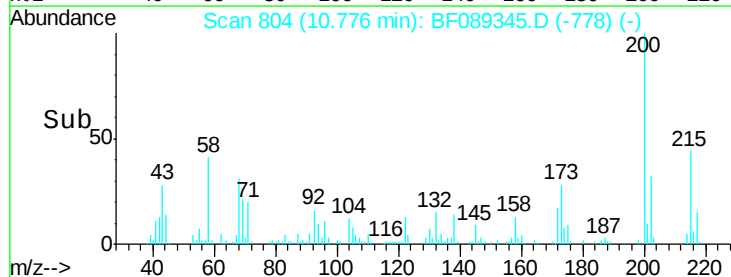
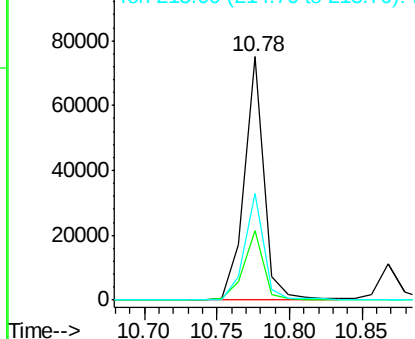


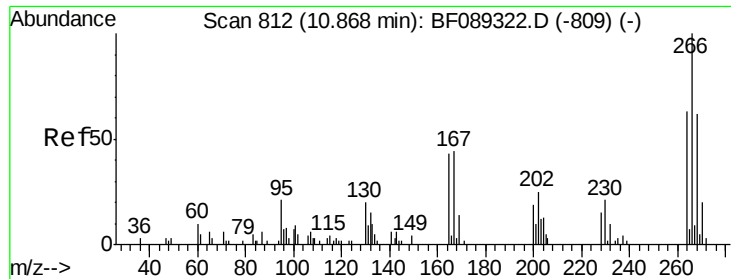
#68
Atrazine
Concen: 39.25 ng
RT: 10.78 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.4	6.0	46.0
215	43.6	24.3	64.3



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

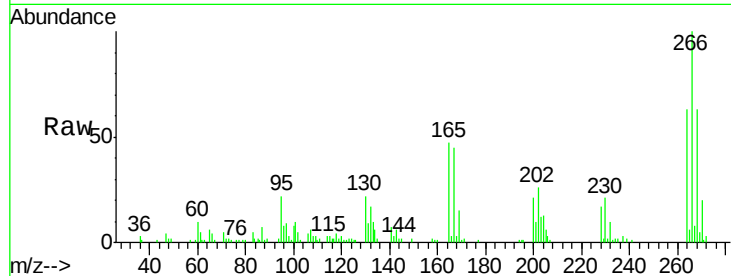




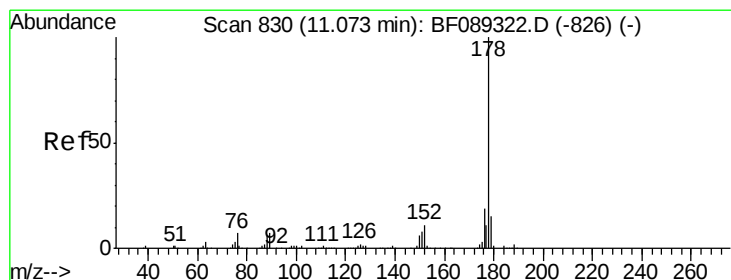
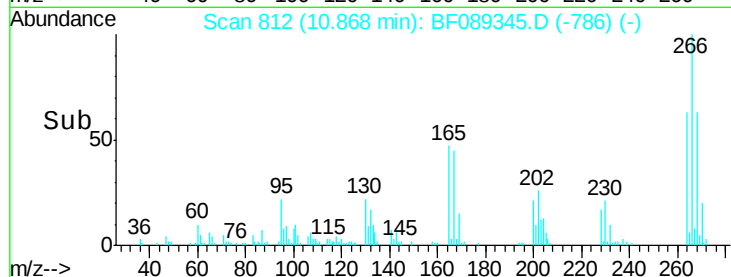
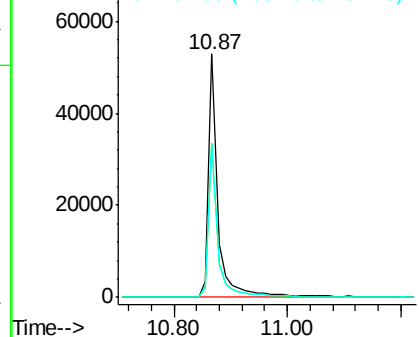
#69
 Pentachlorophenol
 Concen: 67.20 ng
 RT: 10.87 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion:266 Resp: 59204
 Ion Ratio Lower Upper
 266 100
 268 63.0 49.4 74.2
 264 63.0 50.2 75.2

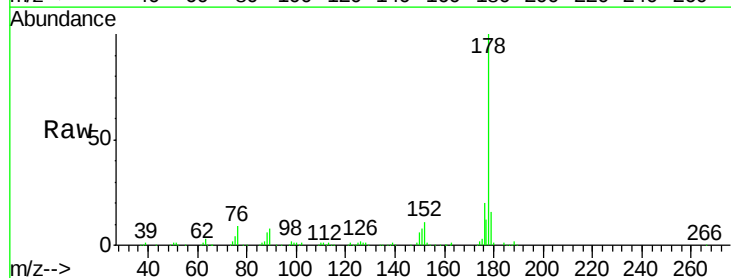


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

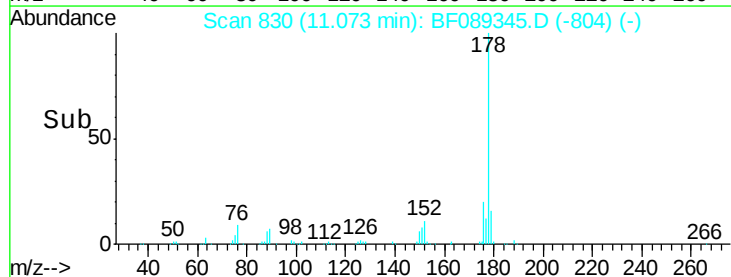
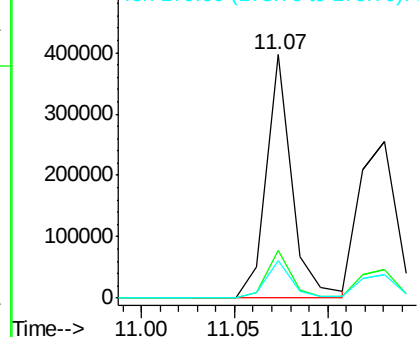


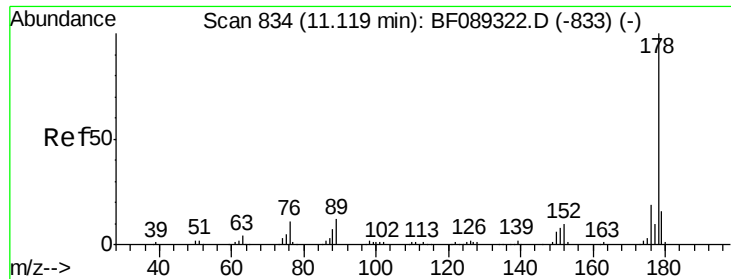
#70
 Phenanthrene
 Concen: 38.49 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion:178 Resp: 374772
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.5 23.3
 179 15.6 12.3 18.5



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

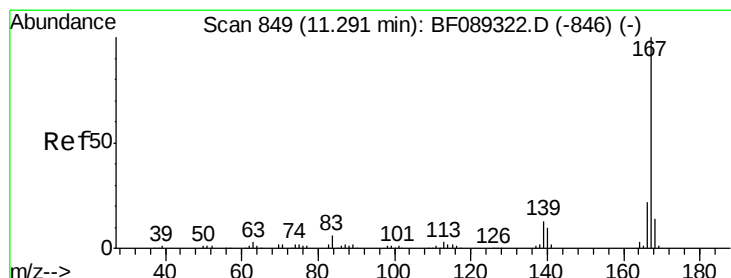
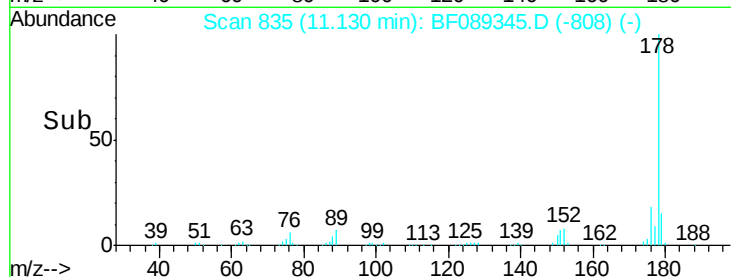
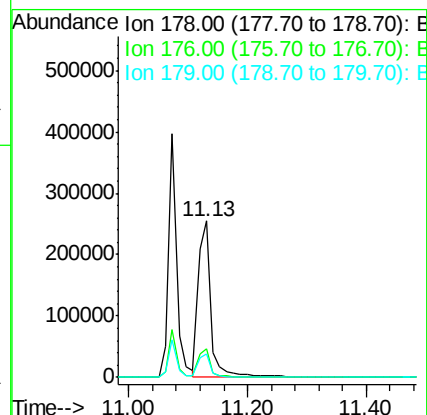
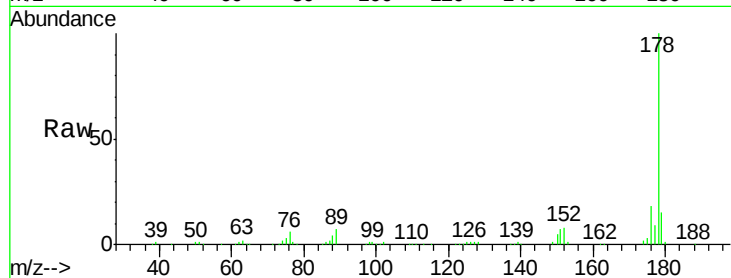




#71
 Anthracene
 Concen: 35.45 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

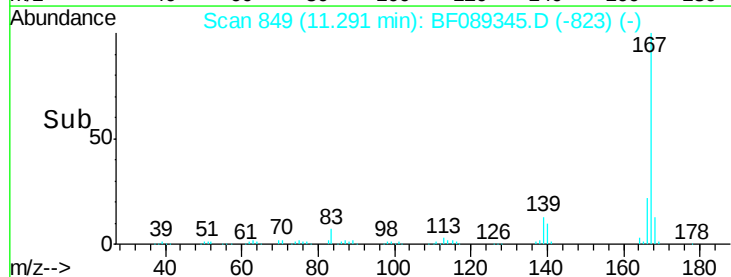
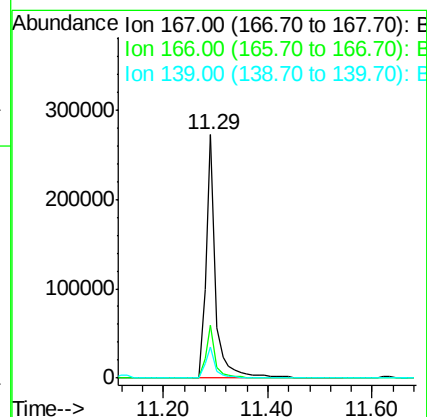
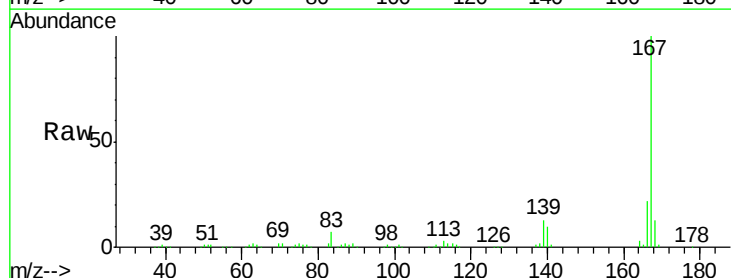
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

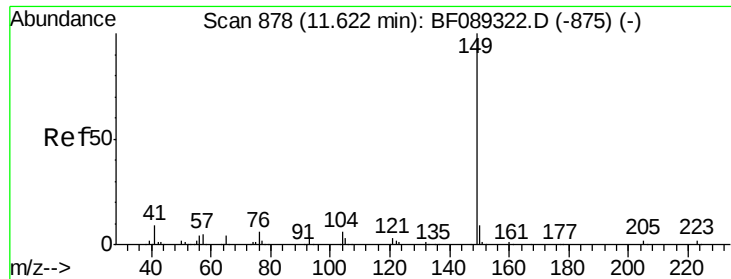
Tgt Ion:178 Resp: 383737
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 14.9 12.6 18.8



#72
 Carbazole
 Concen: 38.21 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion:167 Resp: 348249
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.6 26.4
 139 12.6 10.1 15.1





#73

Di-n-butylphthalate

Concen: 34.30 ng

RT: 11.62 min Scan# 878

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

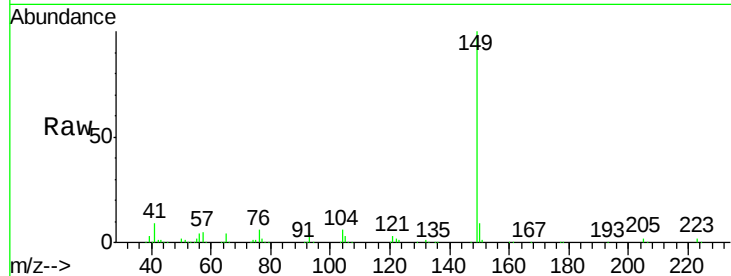
Tgt Ion:149 Resp: 419397

Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

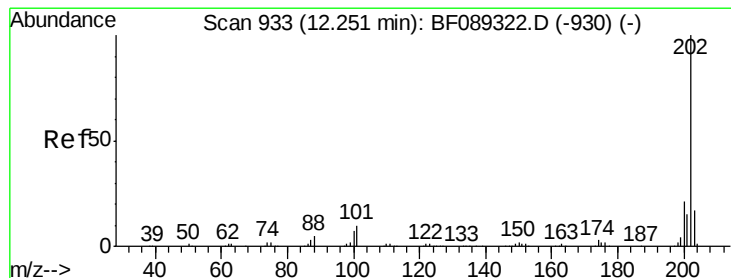
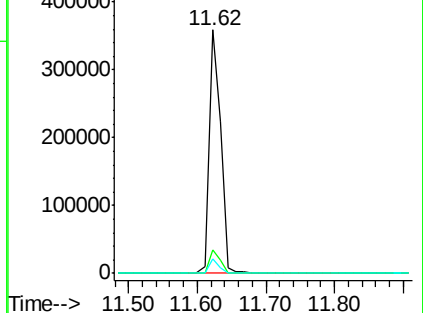
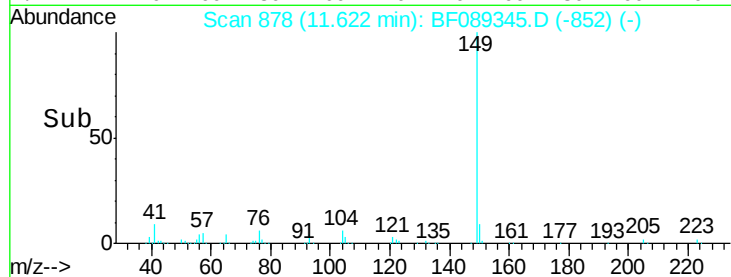
104 5.8 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 37.75 ng

RT: 12.25 min Scan# 933

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

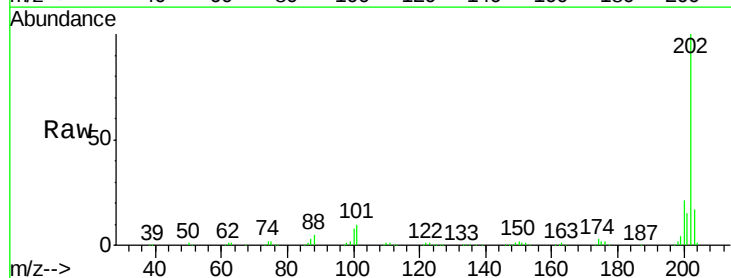
Tgt Ion:202 Resp: 386647

Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.9

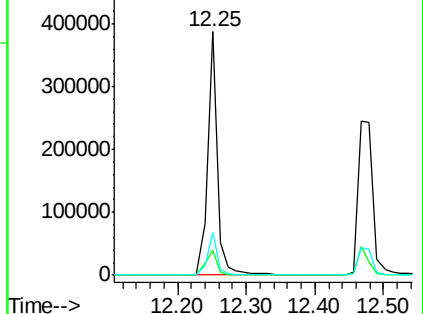
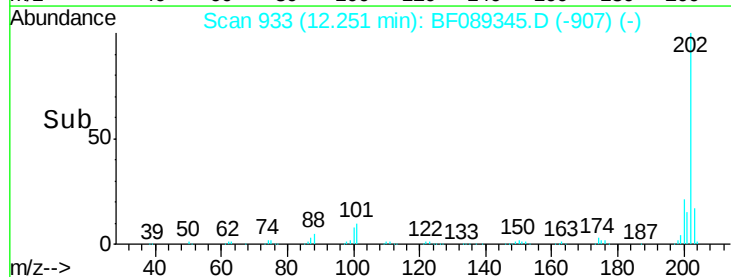
203 17.5 0.0 37.3

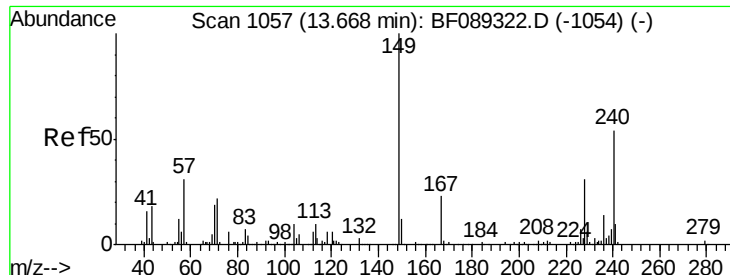


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

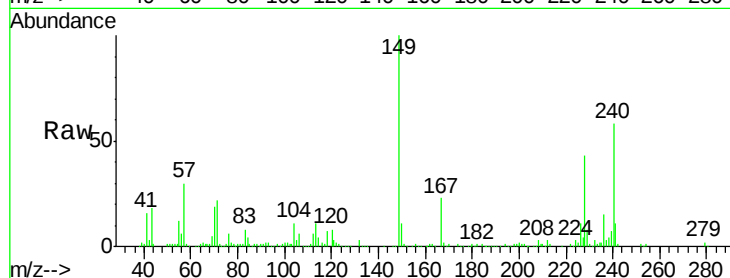
Tgt Ion:240 Resp: 136972

Ion Ratio Lower Upper

240 100

120 13.1 9.1 13.7

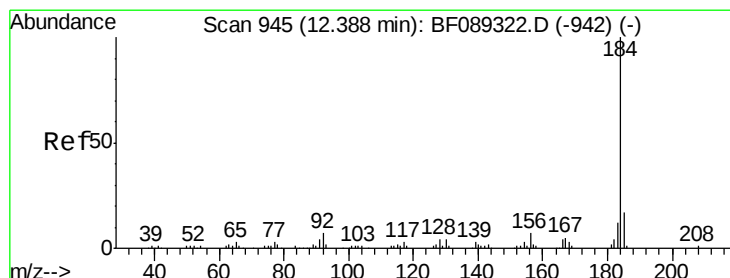
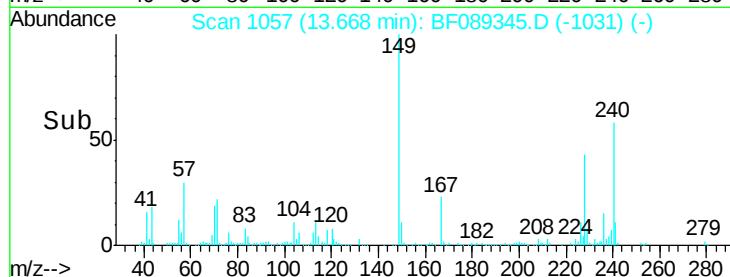
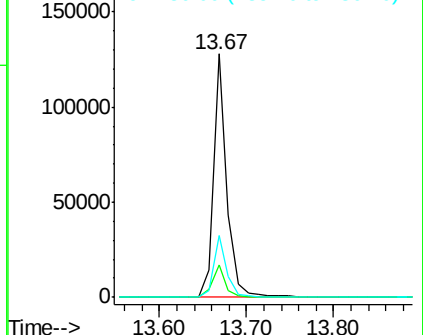
236 25.3 20.6 30.8



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: 48.73 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

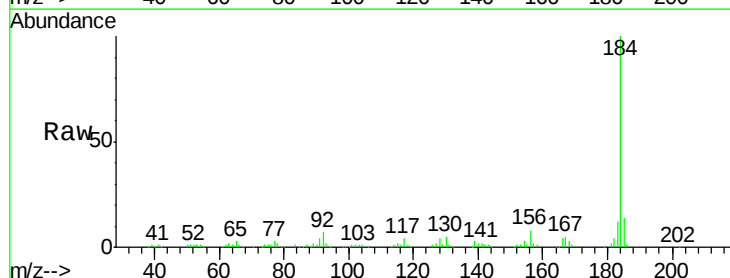
Tgt Ion:184 Resp: 246604

Ion Ratio Lower Upper

184 100

185 14.3 13.5 20.3

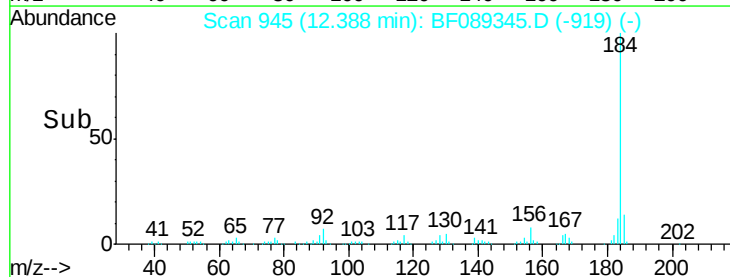
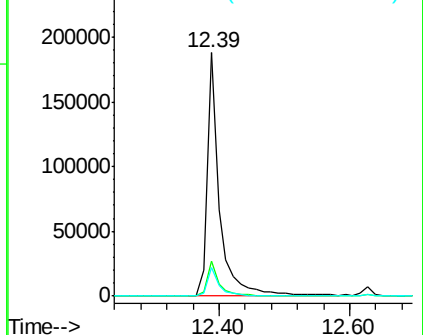
183 11.7 9.8 14.6

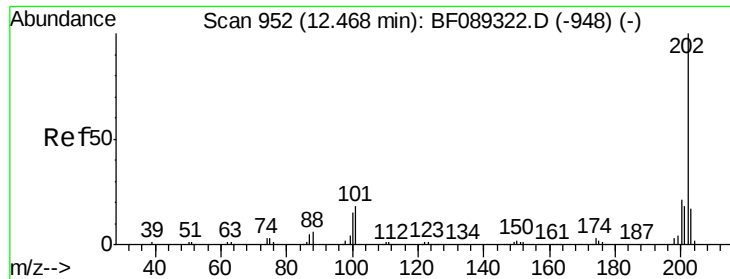


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

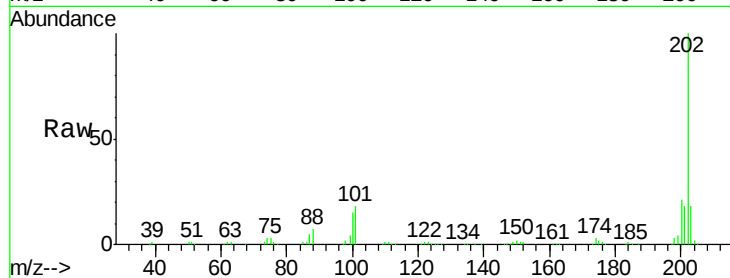




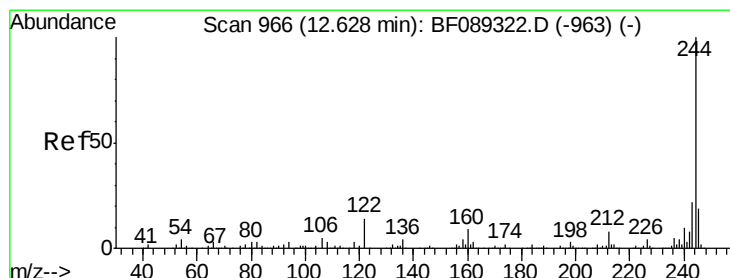
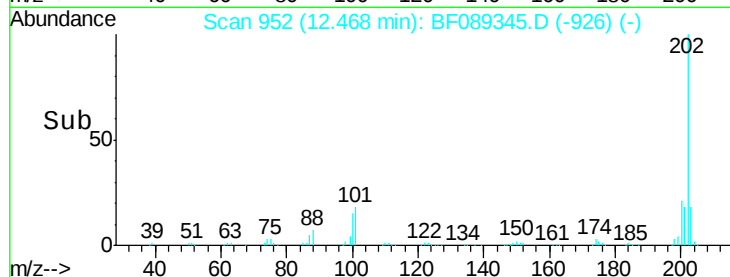
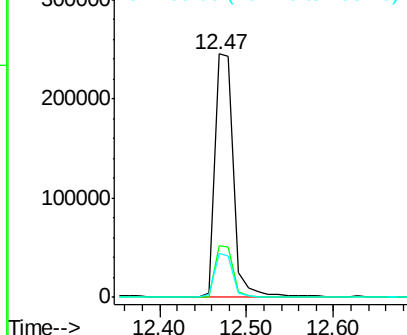
#77
 Pyrene
 Concen: 35.73 ng
 RT: 12.47 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	18.0	14.0	21.0

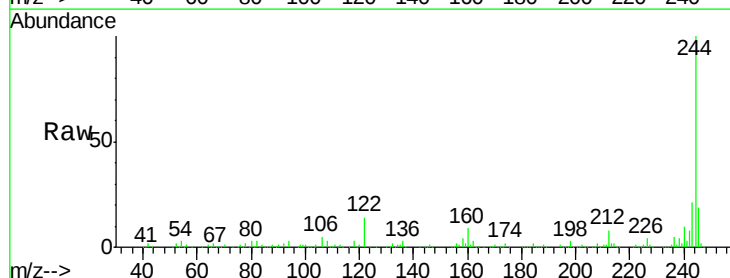


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

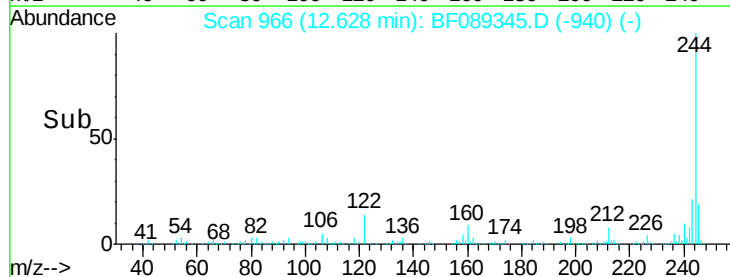
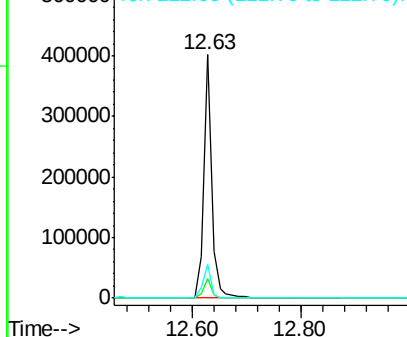


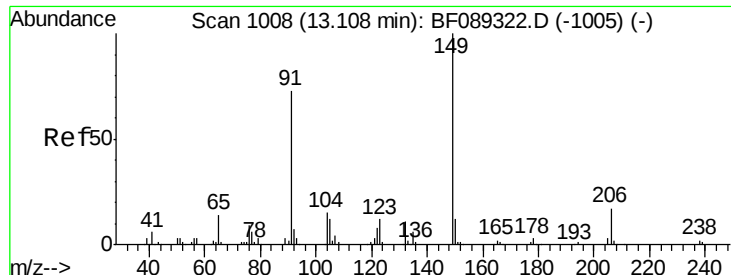
#78
 Terphenyl-d14
 Concen: 68.92 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	13.6	11.4	17.0



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

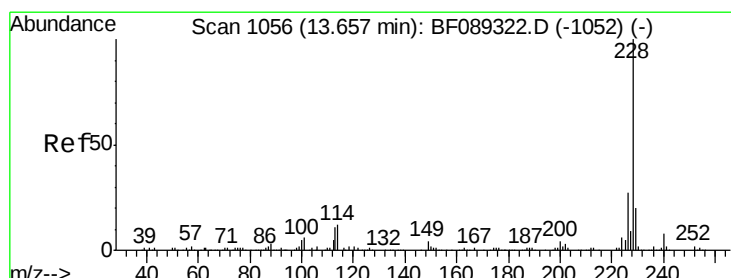
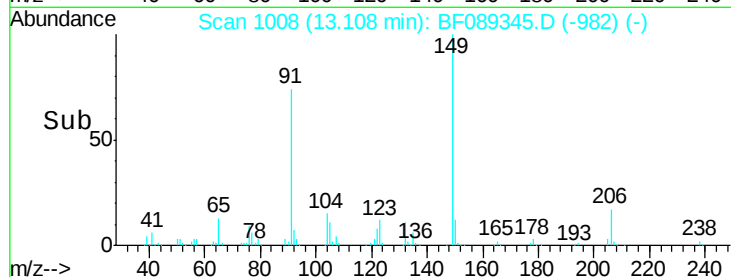
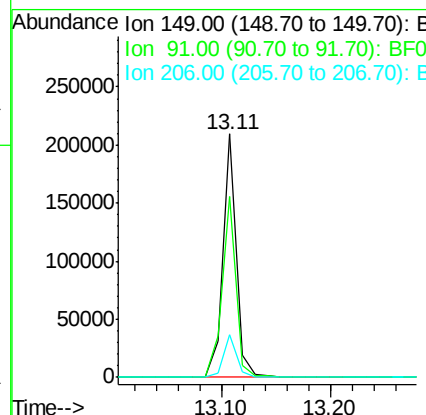
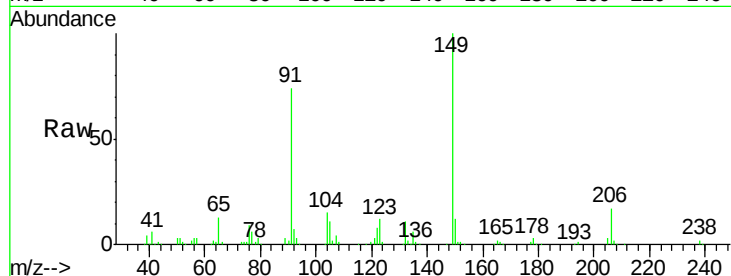




#79
Butylbenzylphthalate
Concen: 38.87 ng
RT: 13.11 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

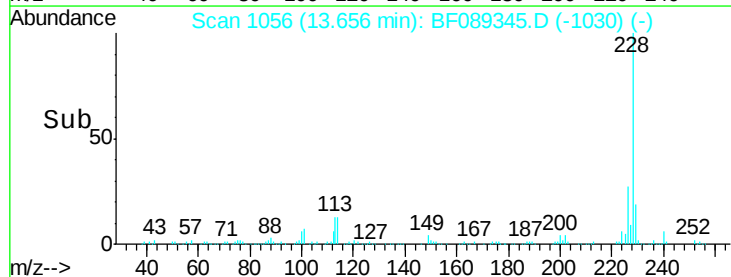
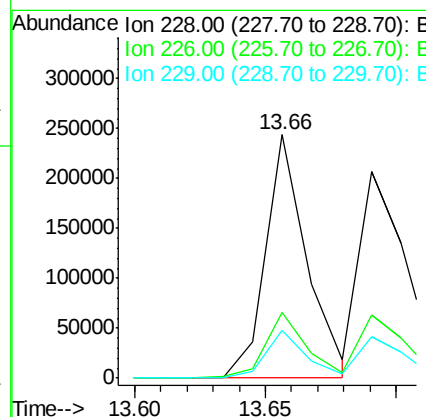
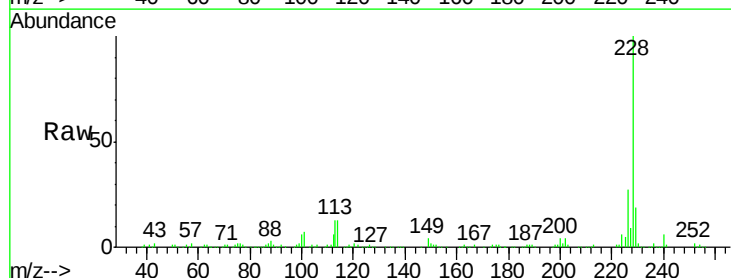
Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MSD

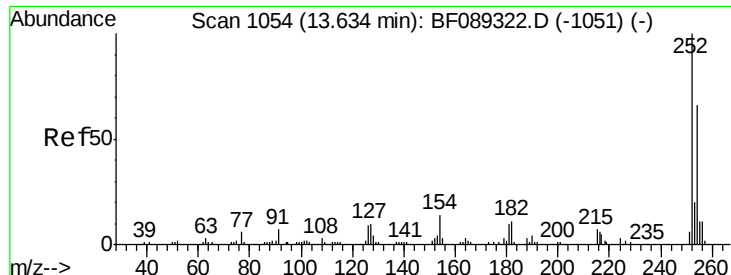
Tgt Ion:149 Resp: 183460
Ion Ratio Lower Upper
149 100
91 74.3 58.5 87.7
206 17.3 13.8 20.8



#80
Benzo(a)anthracene
Concen: 34.96 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF089345.D
Acq: 28 Jul 2016 4:32

Tgt Ion:228 Resp: 270260
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 19.4 15.9 23.9

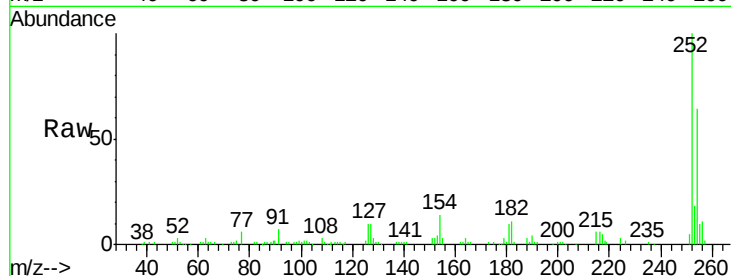




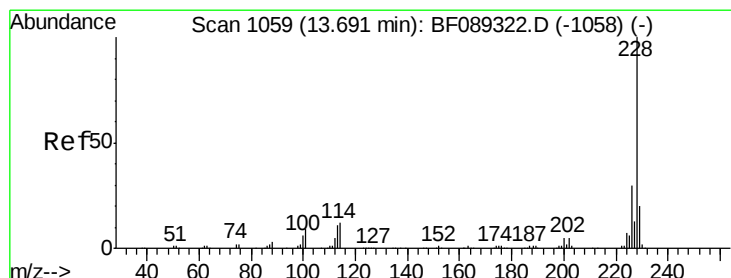
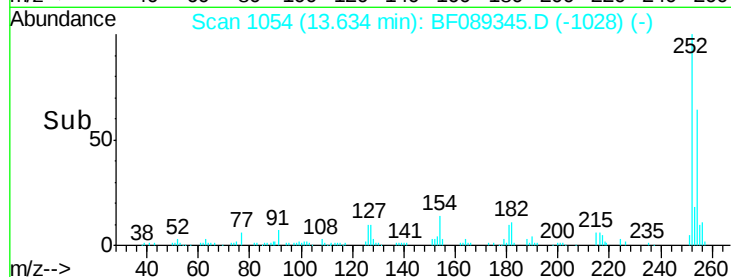
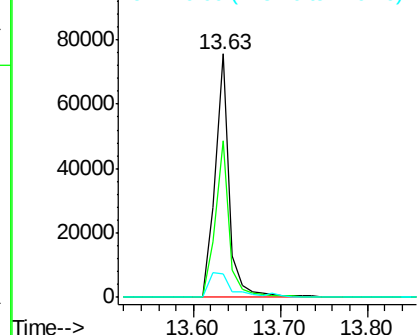
#81
 3,3'-Dichlorobenzidine
 Concen: 31.26 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

Tgt Ion: 252 Resp: 86948
 Ion Ratio Lower Upper
 252 100
 254 64.2 52.5 78.7
 126 9.7 7.4 11.2

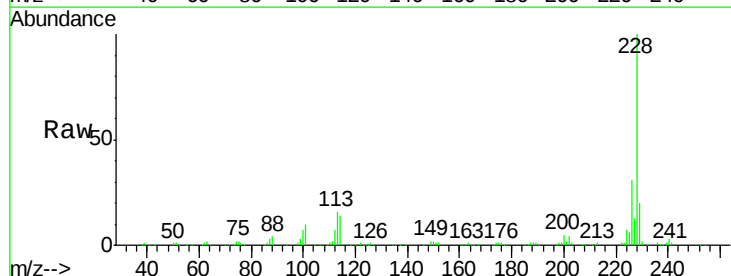


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

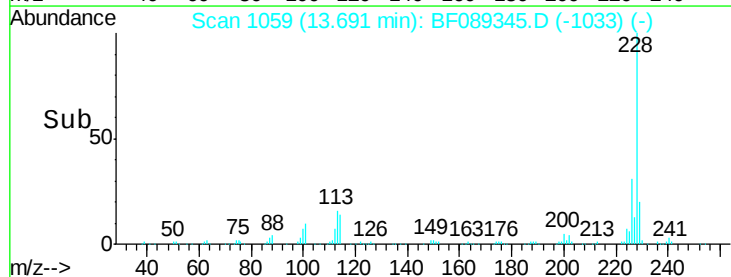
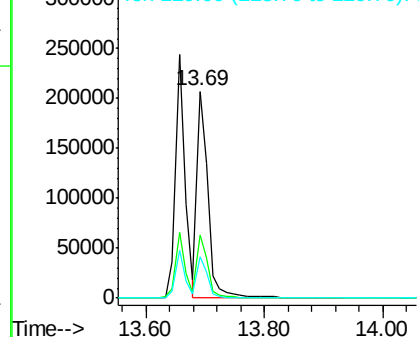


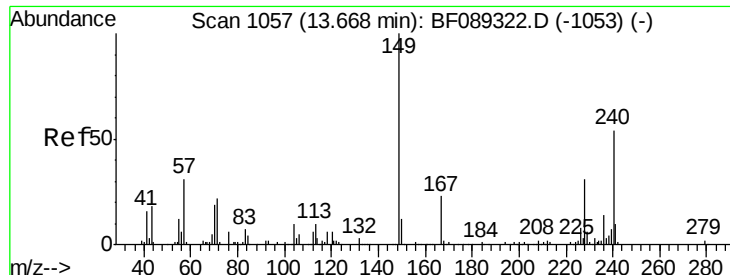
#82
 Chrysene
 Concen: 32.94 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion: 228 Resp: 271023
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.2 36.2
 229 20.0 15.9 23.9



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: 34.42 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

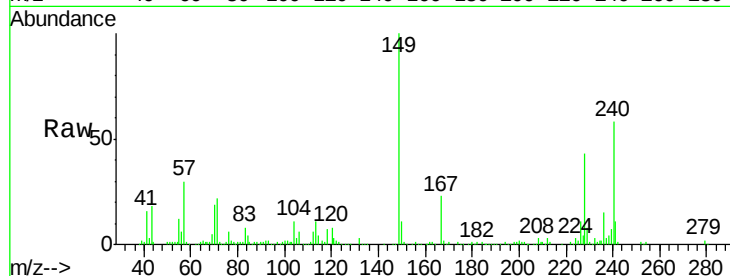
Tgt Ion:149 Resp: 234852

Ion Ratio Lower Upper

149 100

167 23.2 18.8 28.2

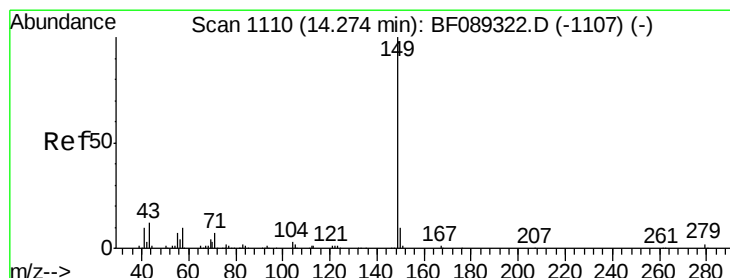
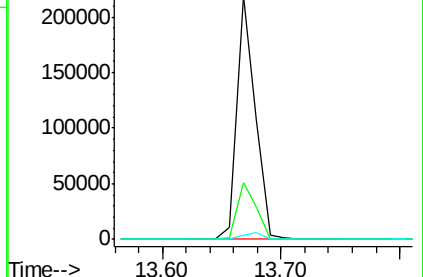
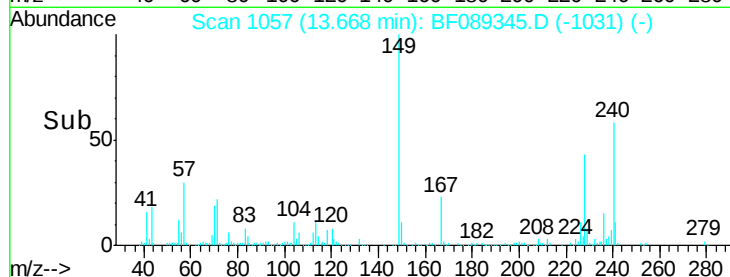
279 1.9 1.4 2.0



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: 34.92 ng

RT: 14.27 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

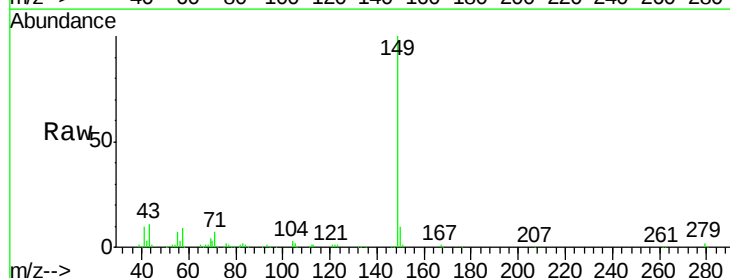
Tgt Ion:149 Resp: 371791

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

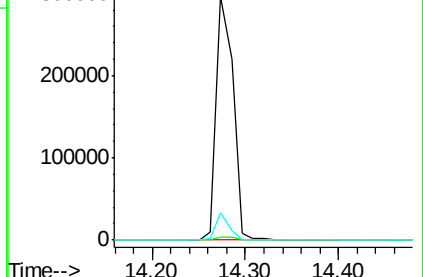
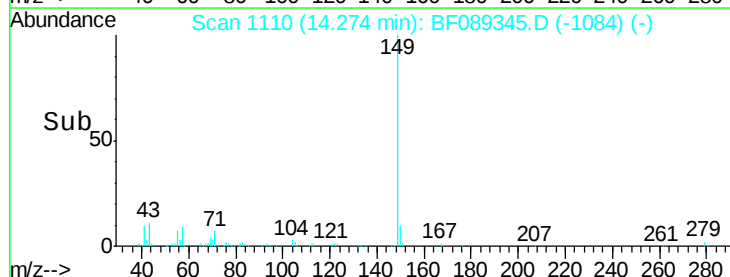
43 9.1 7.3 10.9

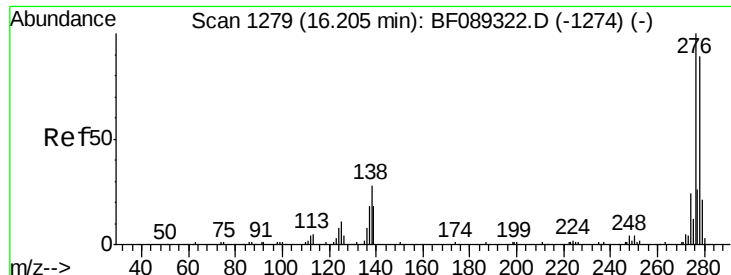


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

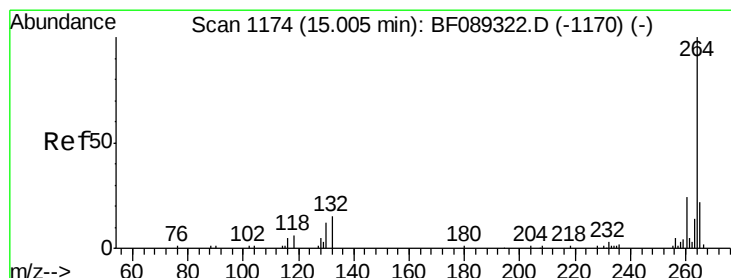
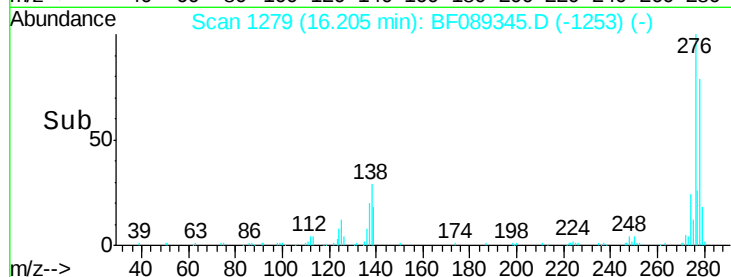
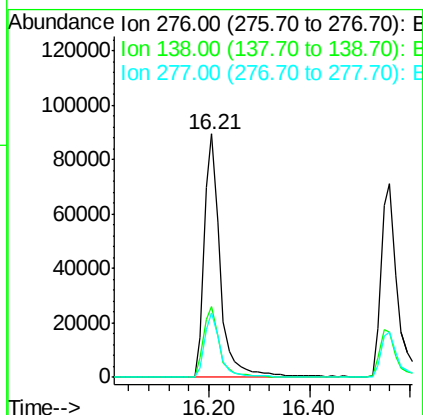
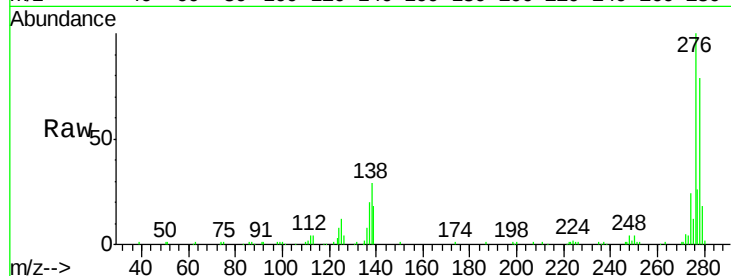




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 33.81 ng
 RT: 16.21 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

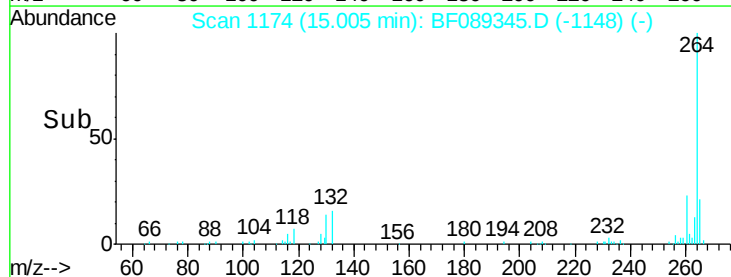
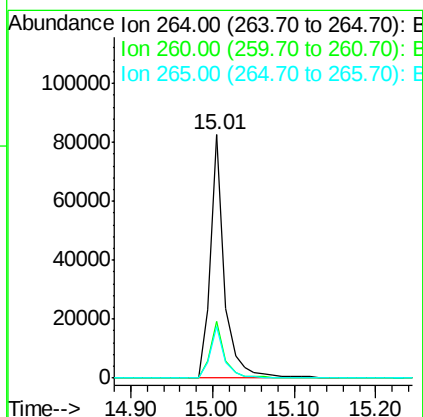
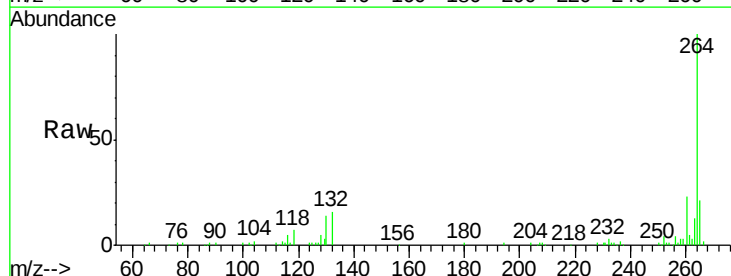
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MSD

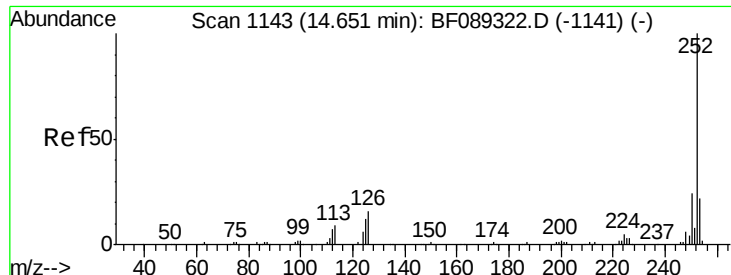
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	23.0	34.4
277	25.5	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: BF089345.D
 Acq: 28 Jul 2016 4:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 71.42 ng

RT: 14.65 min Scan# 1143

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

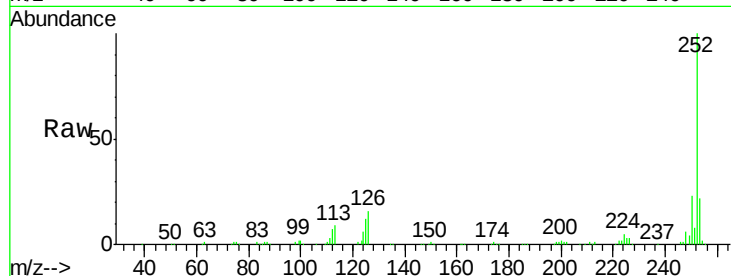
Tgt Ion:252 Resp: 448620

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

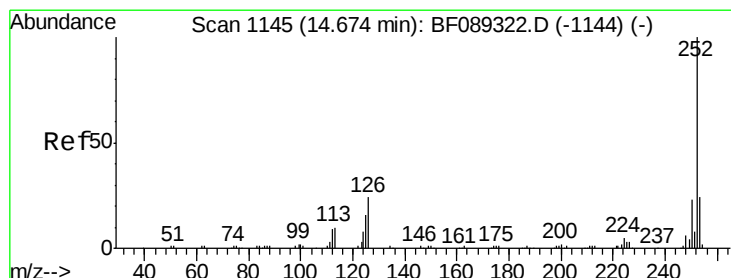
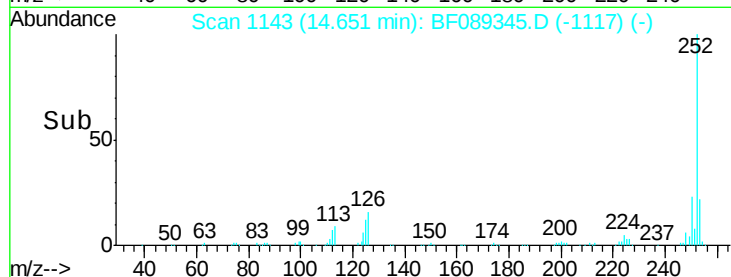
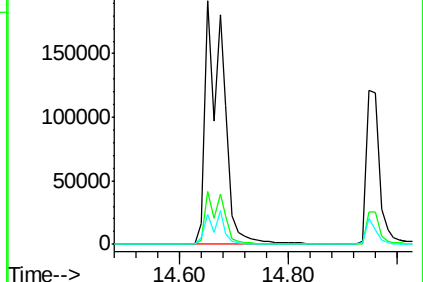
125 12.4 9.7 14.5



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



#88

Benzo(k)fluoranthene

Concen: 77.78 ng

RT: 14.65 min Scan# 1143

Delta R.T. -0.02 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

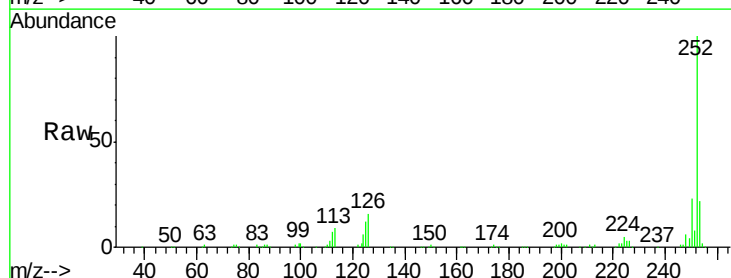
Tgt Ion:252 Resp: 449167

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

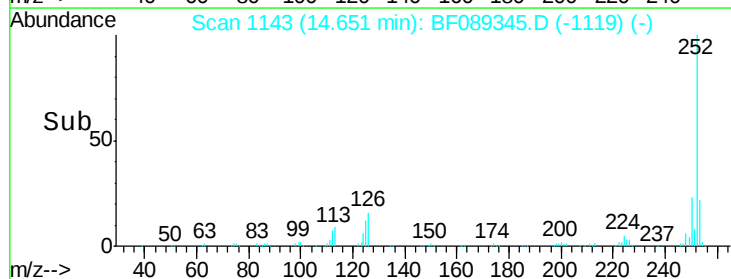
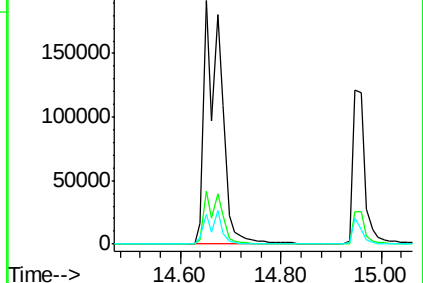
125 12.4 10.7 16.1

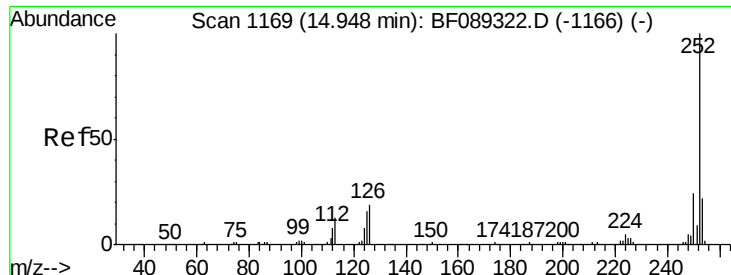


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 36.26 ng

RT: 14.95 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD

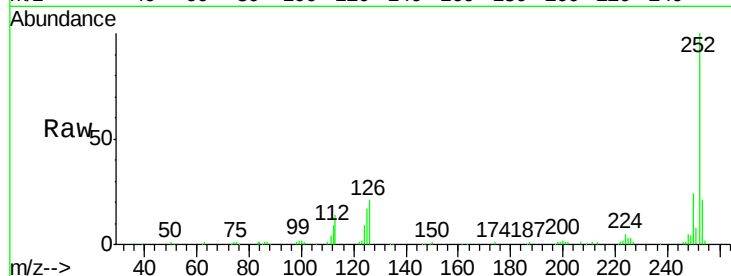
Tgt Ion: 252 Resp: 204284

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.2

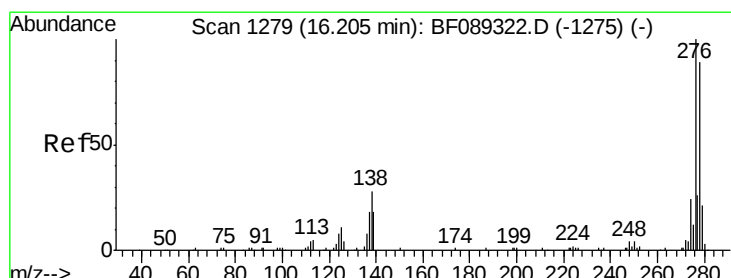
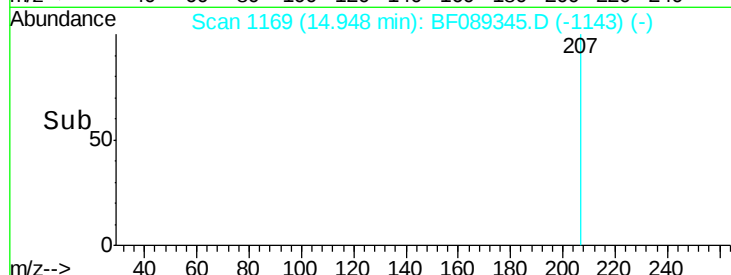
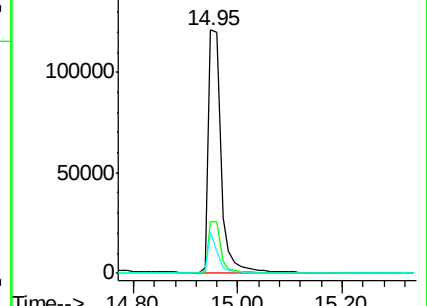
125 17.1 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 37.31 ng

RT: 16.22 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BF089345.D

Acq: 28 Jul 2016 4:32

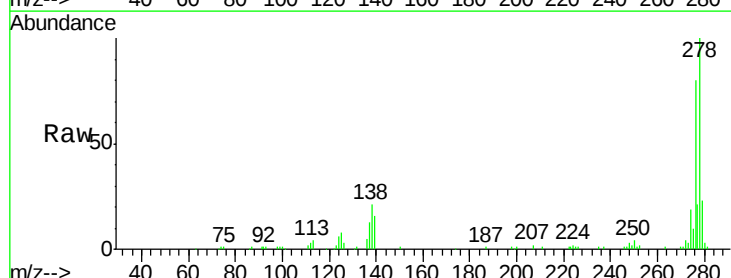
Tgt Ion: 278 Resp: 165604

Ion Ratio Lower Upper

278 100

139 16.5 16.3 24.5

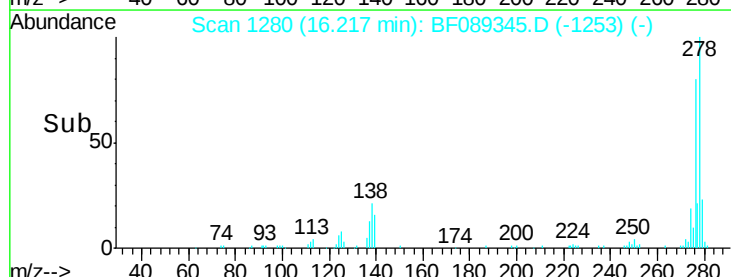
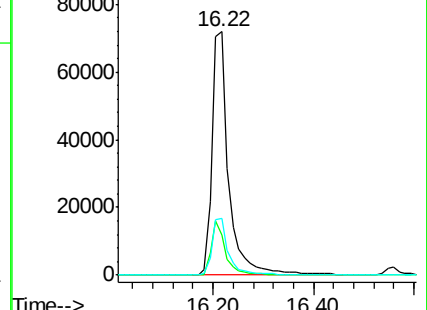
279 23.3 19.1 28.7

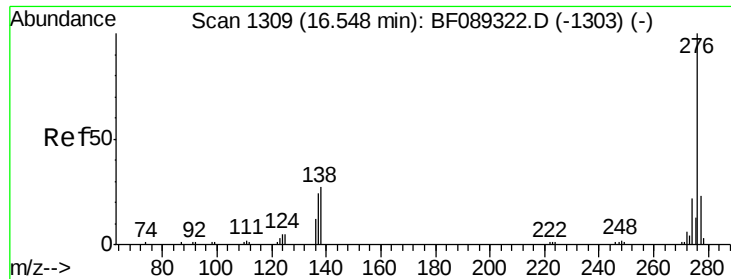


Abundance Ion 278.00 (277.70 to 278.70): E

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: 38.31 ng

RT: 16.56 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BF089345.D

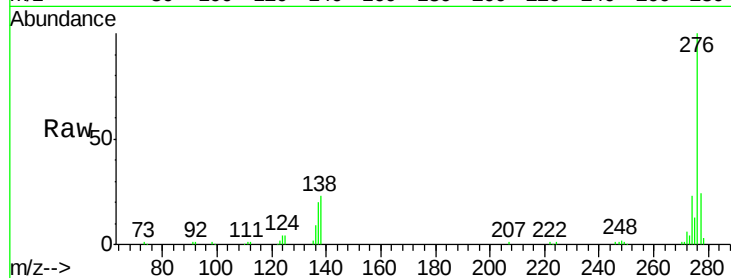
Acq: 28 Jul 2016 4:32

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MSD



Tgt Ion: 276 Resp: 167144

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 23.3 21.4 32.0

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

