

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
 Data File : BF090515.D
 Acq On : 11 Oct 2016 21:19
 Operator : UM/SJ
 Sample : H5146-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

Quant Time: Oct 12 00:59:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 11 16:14:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	233537	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	962803	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	500240	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	888180	20.00	ng	0.01
75) Chrysene-d12	14.13	240	794885	20.00	ng	0.00
86) Perylene-d12	15.61	264	519006	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	770928	51.36	ng	0.00
7) Phenol-d6	6.58	99	607620	32.08	ng	-0.01
23) Nitrobenzene-d5	7.51	82	1477035	83.21	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	695757	140.31	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	2457849	82.57	ng	0.00
78) Terphenyl-d14	13.08	244	3054590	93.91	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	93590	12.71	ng	# 85
3) Pyridine	3.41	79	231106	11.36	ng	# 78
4) n-Nitrosodimethylamine	3.34	42	103217	15.48	ng	# 48
6) Aniline	6.61	93	525999	21.89	ng	96
8) 2-Chlorophenol	6.74	128	524398	32.84	ng	94
9) Benzaldehyde	6.50	77	237706	19.92	ng	96
10) Phenol	6.59	94	246274	11.53	ng	94
11) bis(2-Chloroethyl)ether	6.68	93	584549	36.55	ng	94
12) 1,3-Dichlorobenzene	6.90	146	589714	34.23	ng	98
13) 1,4-Dichlorobenzene	6.97	146	559725	31.84	ng	98
14) 1,2-Dichlorobenzene	7.13	146	610149	38.20	ng	97
15) Benzyl Alcohol	7.09	79	374596	25.75	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.23	45	847641	36.98	ng	88
17) 2-Methylphenol	7.21	107	339416	26.13	ng	98
18) Hexachloroethane	7.47	117	219124	33.78	ng	100
19) n-Nitroso-di-n-propylamine	7.37	70	483668	40.03	ng	# 80
20) 3+4-Methylphenols	7.35	107	371142	22.57	ng	# 45
22) Acetophenone	7.37	105	910269	42.94	ng	# 84
24) Nitrobenzene	7.54	77	777550	40.84	ng	91
25) Isophorone	7.78	82	1353082	41.88	ng	99
26) 2-Nitrophenol	7.86	139	356239	41.01	ng	98
27) 2,4-Dimethylphenol	7.89	122	508296	34.42	ng	98
28) bis(2-Chloroethoxy)methane	7.98	93	822661	41.23	ng	# 96
29) 2,4-Dichlorophenol	8.10	162	489552	39.64	ng	95
30) 1,2,4-Trichlorobenzene	8.18	180	505567	35.64	ng	100
31) Naphthalene	8.27	128	1752339	36.53	ng	98
32) Benzoic acid	7.96	122	79038	6.78	ng	97
33) 4-Chloroaniline	8.30	127	502424	24.74	ng	98
34) Hexachlorobutadiene	8.38	225	272539	34.36	ng	99
35) Caprolactam	8.67	113	22513	5.62	ng	# 84
36) 4-Chloro-3-methylphenol	8.78	107	473441	32.83	ng	97
37) 2-Methylnaphthalene	8.95	142	1164307	36.16	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.13	216	596565	42.60	ng	98
40) Hexachlorocyclopentadiene	9.11	237	617330	88.81	ng	97

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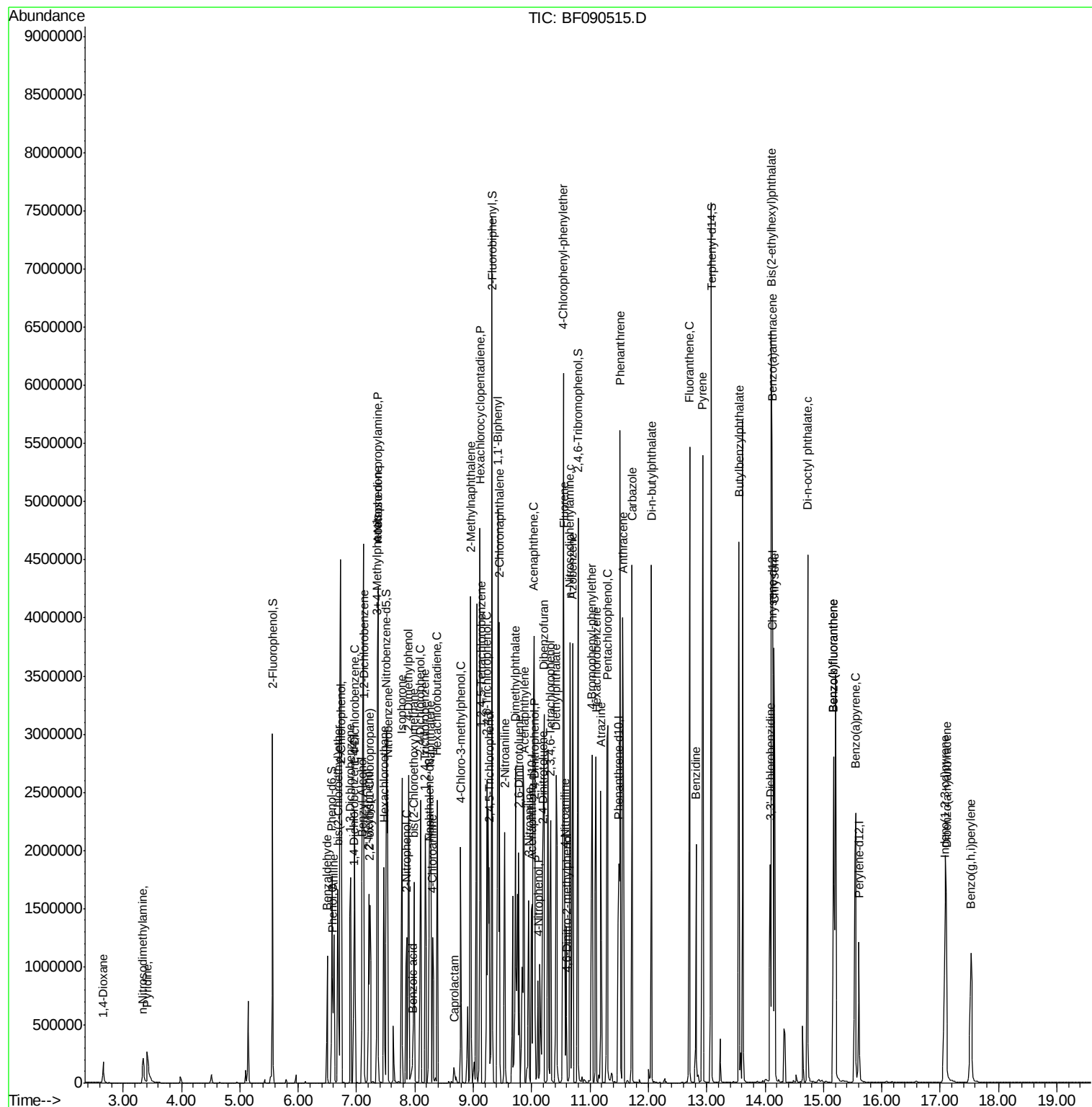
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.23	196	365769	38.74	ng	96
43) 2,4,5-Trichlorophenol	9.27	196	375919	40.23	ng	# 91
45) 1,1'-Biphenyl	9.42	154	1608307	42.10	ng	96
46) 2-Chloronaphthalene	9.45	162	1170122	41.16	ng	98
47) 2-Nitroaniline	9.54	65	407207	40.16	ng	97
48) Acenaphthylene	9.87	152	1832855	39.96	ng	97
49) Dimethylphthalate	9.72	163	1350842	40.15	ng	99
50) 2,6-Dinitrotoluene	9.78	165	304485	40.99	ng	96
51) Acenaphthene	10.04	154	1323622	43.06	ng	100
52) 3-Nitroaniline	9.95	138	246023	26.69	ng	97
53) 2,4-Dinitrophenol	10.05	184	346432	84.04	ng	# 82
54) Dibenzofuran	10.21	168	1788591	43.73	ng	98
55) 4-Nitrophenol	10.11	139	218193	30.46	ng	# 71
56) 2,4-Dinitrotoluene	10.19	165	502818	51.18	ng	# 89
57) Fluorene	10.55	166	1429246	42.80	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.33	232	367365	47.13	ng	98
59) Diethylphthalate	10.42	149	1490487	43.56	ng	# 92
60) 4-Chlorophenyl-phenylether	10.54	204	720400	46.76	ng	91
61) 4-Nitroaniline	10.57	138	340046	36.16	ng	94
62) Azobenzene	10.70	77	1660468	44.44	ng	88
64) 4,6-Dinitro-2-methylphenol	10.60	198	236377	39.85	ng	# 33
65) n-Nitrosodiphenylamine	10.66	169	1132430	39.21	ng	99
66) 4-Bromophenyl-phenylether	11.03	248	462789	47.02	ng	# 89
67) Hexachlorobenzene	11.10	284	492569	45.31	ng	# 90
68) Atrazine	11.18	200	390184	43.65	ng	98
69) Pentachlorophenol	11.30	266	591084	91.37	ng	98
70) Phenanthrene	11.51	178	2038586	41.65	ng	99
71) Anthracene	11.56	178	1996683	40.26	ng	99
72) Carbazole	11.72	167	2043343	43.63	ng	98
73) Di-n-butylphthalate	12.05	149	2530326	44.86	ng	# 98
74) Fluoranthene	12.70	202	2152461	43.08	ng	96
76) Benzidine	12.82	184	678840	27.17	ng	99
77) Pyrene	12.93	202	2073145	41.67	ng	100
79) Butylbenzylphthalate	13.55	149	1043556	44.80	ng	91
80) Benzo(a)anthracene	14.12	228	1900655	40.12	ng	99
81) 3,3'-Dichlorobenzidine	14.09	252	481810	28.26	ng	# 98
82) Chrysene	14.16	228	1725884	39.14	ng	99
83) Bis(2-ethylhexyl)phthalate	14.11	149	1404573	41.32	ng	99
84) Di-n-octyl phthalate	14.73	149	2283323	43.37	ng	# 87
85) Indeno(1,2,3-cd)pyrene	17.08	276	1163470	31.69	ng	97
87) Benzo(b)fluoranthene	15.17	252	1750851	51.13	ng	# 96
88) Benzo(k)fluoranthene	15.17	252	1750851	57.40	ng	99
89) Benzo(a)pyrene	15.55	252	1354934	45.06	ng	97
90) Dibenzo(a,h)anthracene	17.10	278	1000103	39.15	ng	98
91) Benzo(g,h,i)perylene	17.53	276	933423	39.51	ng	96

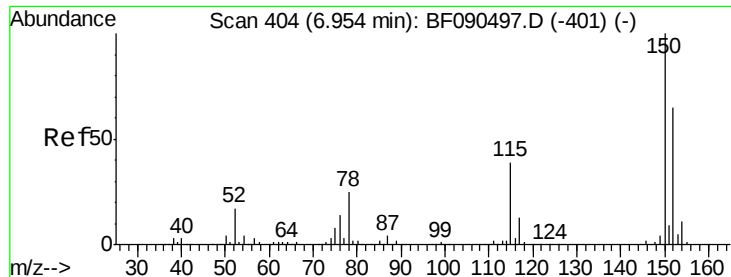
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

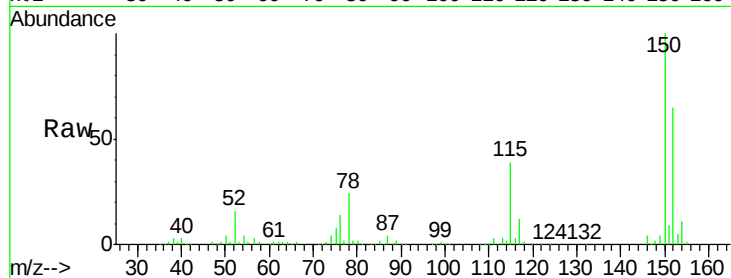
Tgt Ion:152 Resp: 233537

Ion Ratio Lower Upper

152 100

150 152.9 124.6 186.8

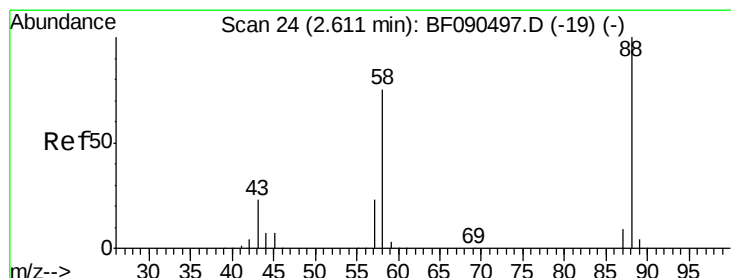
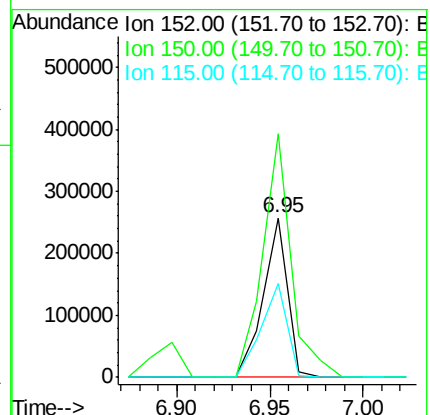
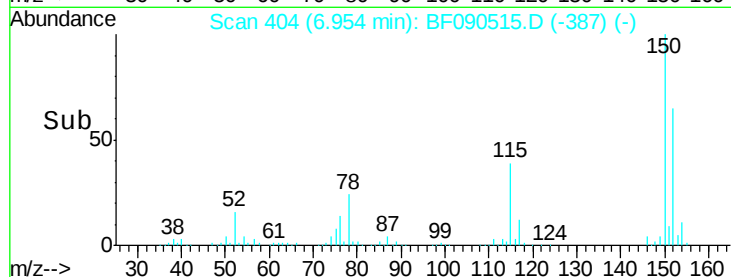
115 58.9 46.2 69.4



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: 12.71 ng

RT: 2.66 min Scan# 28

Delta R.T. 0.05 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

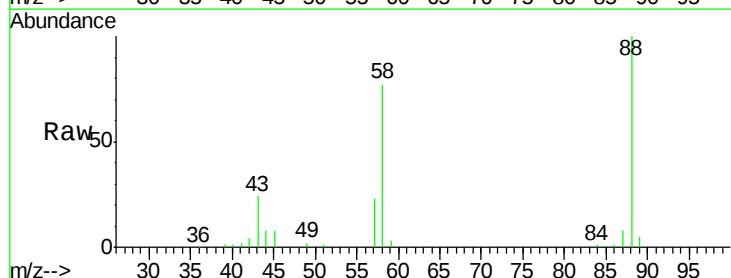
Tgt Ion: 88 Resp: 93590

Ion Ratio Lower Upper

88 100

58 77.8 71.2 106.8

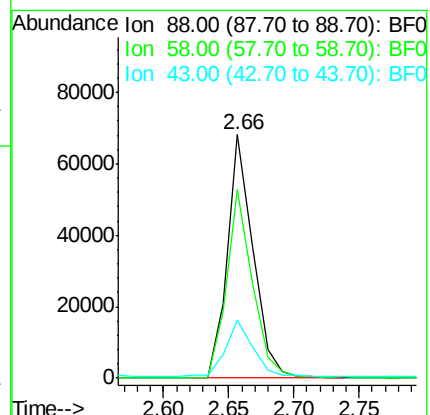
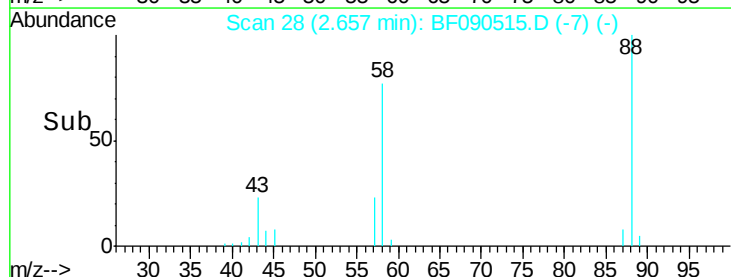
43 24.4 29.8 44.6#

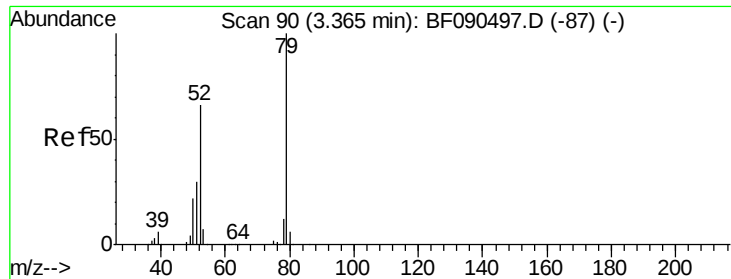


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 11.36 ng

RT: 3.41 min Scan# 94

Delta R.T. 0.05 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

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ClientSampleId :

S8-0617MSD

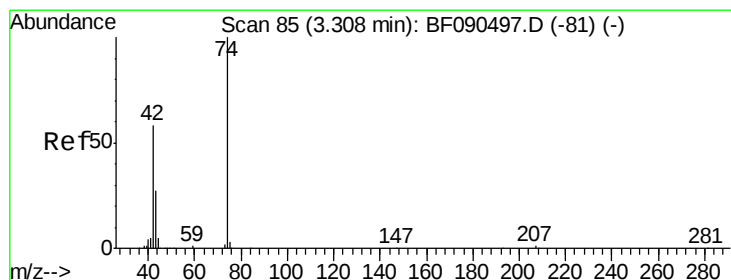
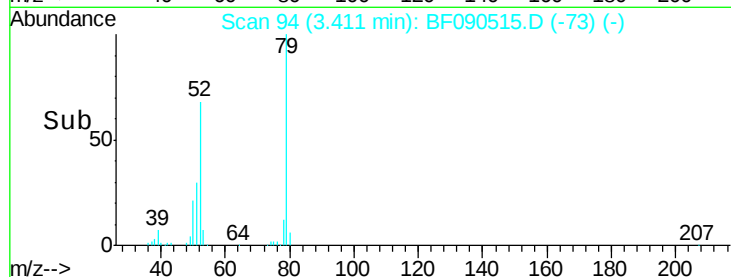
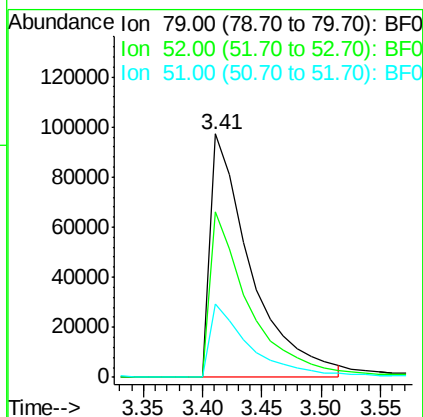
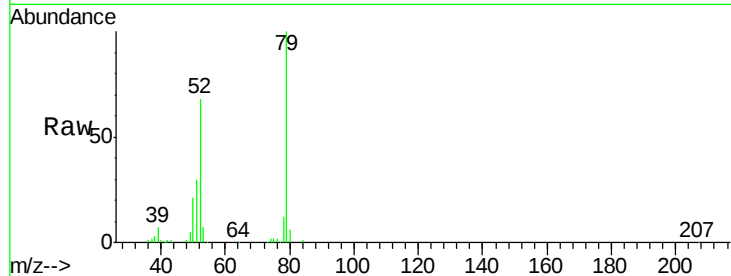
Tgt Ion: 79 Resp: 231106

Ion Ratio Lower Upper

79 100

52 67.9 71.3 106.9#

51 30.3 34.5 51.7#



#4

n-Nitrosodimethylamine

Concen: 15.48 ng

RT: 3.34 min Scan# 88

Delta R.T. 0.03 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

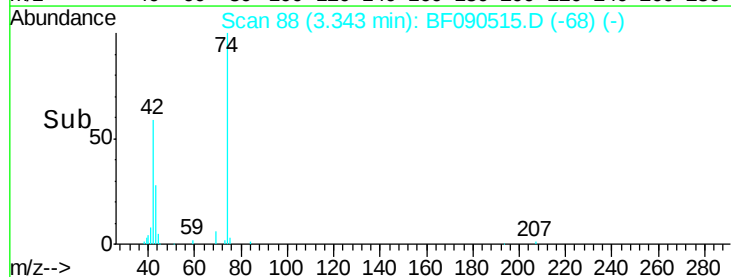
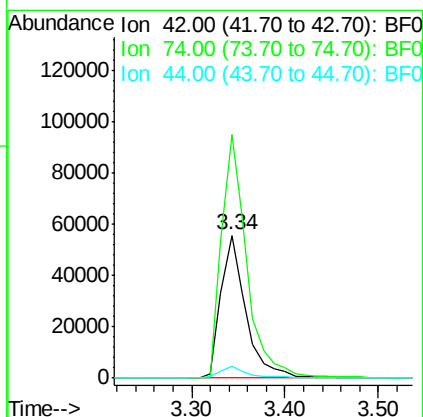
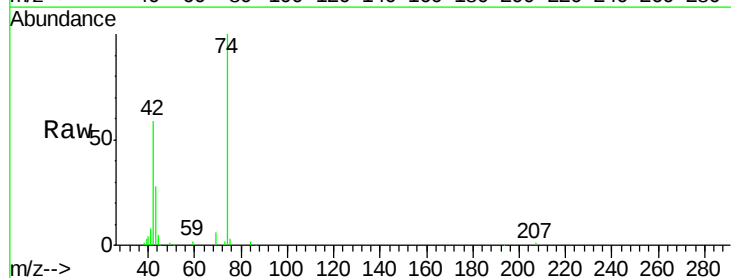
Tgt Ion: 42 Resp: 103217

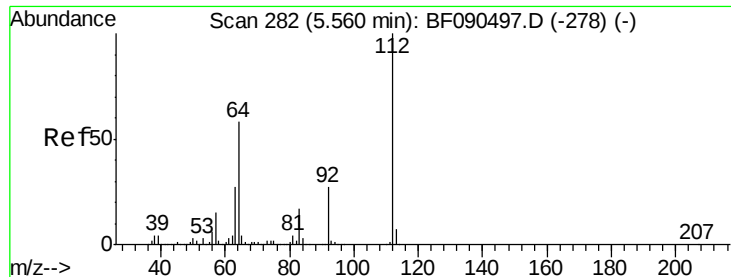
Ion Ratio Lower Upper

42 100

74 170.8 88.9 133.3#

44 8.1 6.5 9.7





#5

2-Fluorophenol

Concen: 51.36 ng

RT: 5.56 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

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ClientSampleId :

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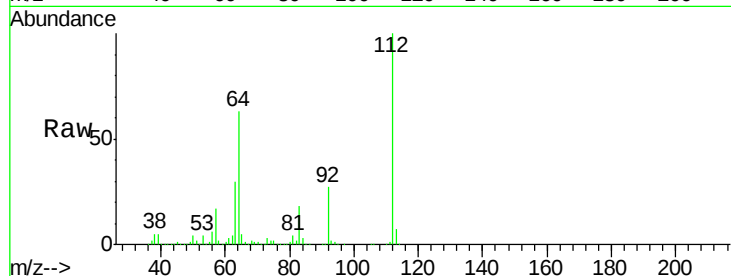
Tgt Ion: 112 Resp: 770928

Ion Ratio Lower Upper

112 100

64 62.8 57.9 86.9

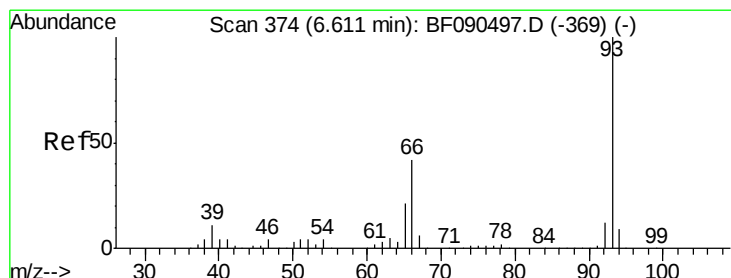
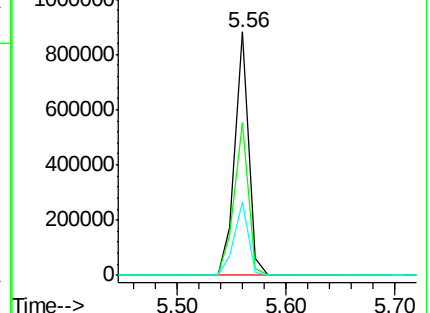
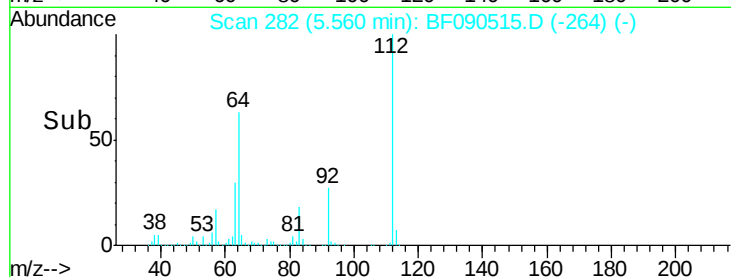
63 30.3 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.89 ng

RT: 6.61 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

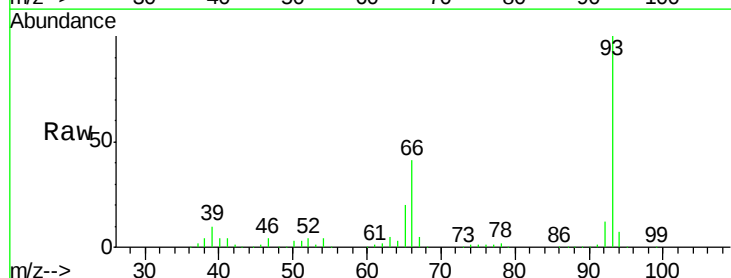
Tgt Ion: 93 Resp: 525999

Ion Ratio Lower Upper

93 100

66 40.6 34.5 51.7

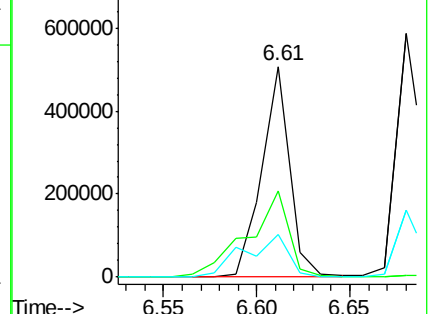
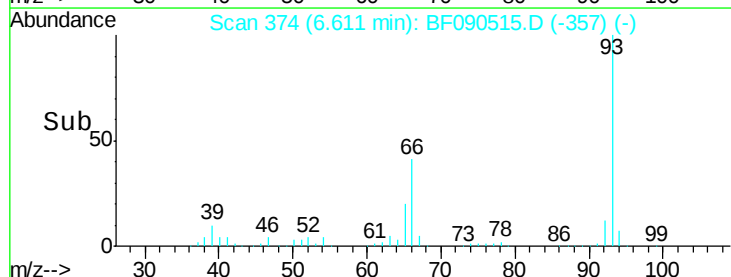
65 20.3 18.2 27.2

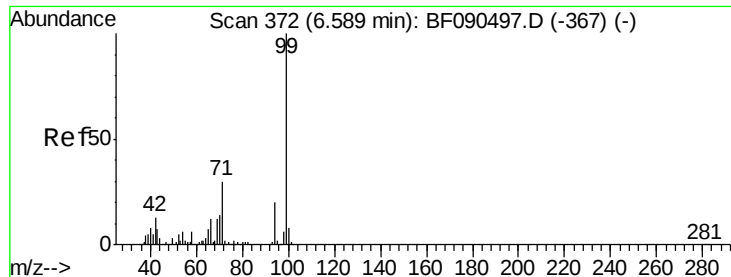


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 32.08 ng

RT: 6.58 min Scan# 371

Delta R.T. -0.01 min

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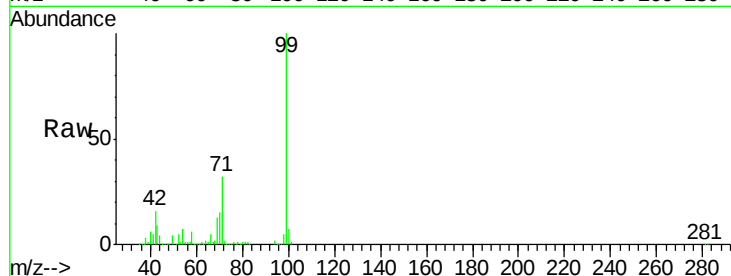
Tgt Ion: 99 Resp: 607620

Ion Ratio Lower Upper

99 100

42 15.8 20.0 30.0#

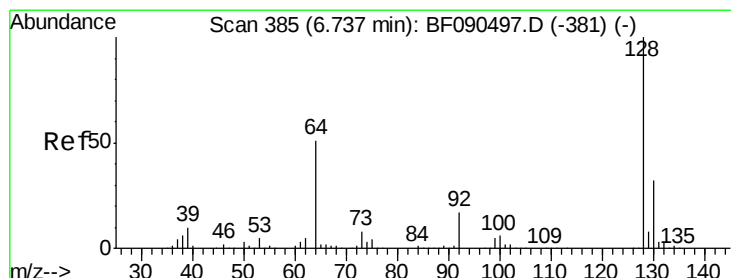
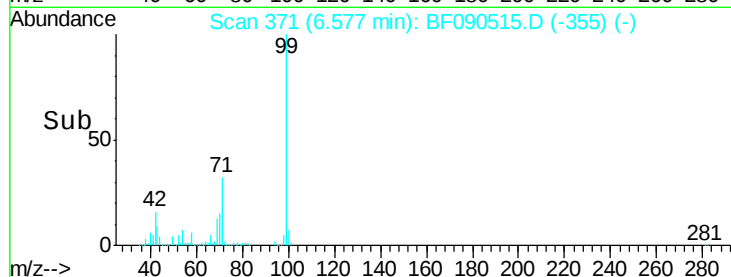
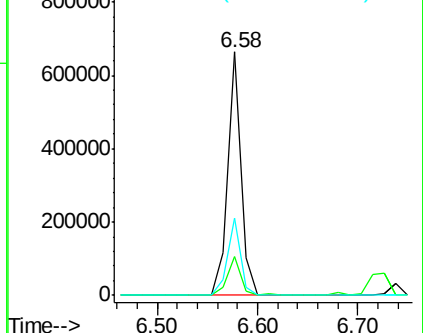
71 32.0 27.9 41.9



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: 32.84 ng

RT: 6.74 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

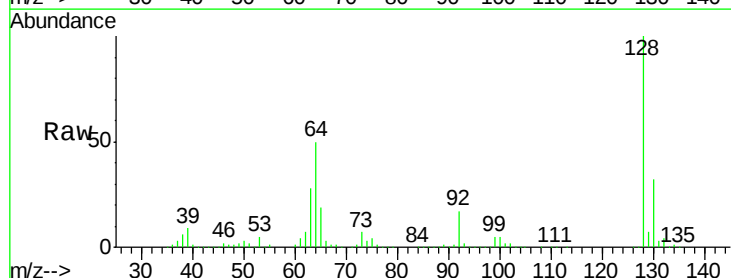
Tgt Ion: 128 Resp: 524398

Ion Ratio Lower Upper

128 100

130 32.3 13.3 53.3

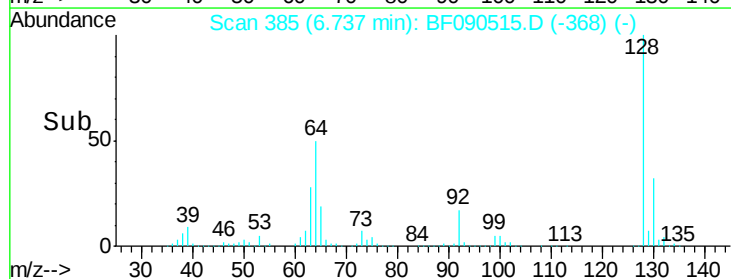
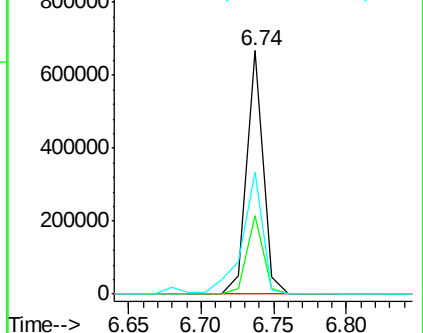
64 50.3 36.0 76.0

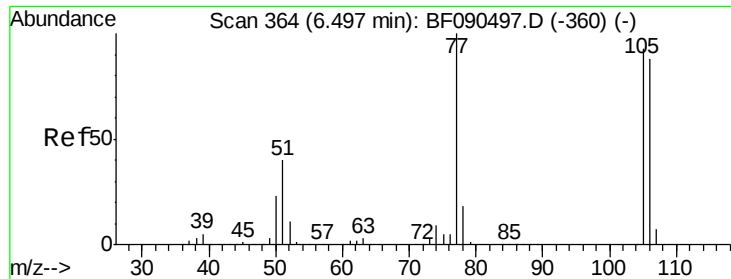


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 19.92 ng

RT: 6.50 min Scan# 364

Delta R.T. 0.00 min

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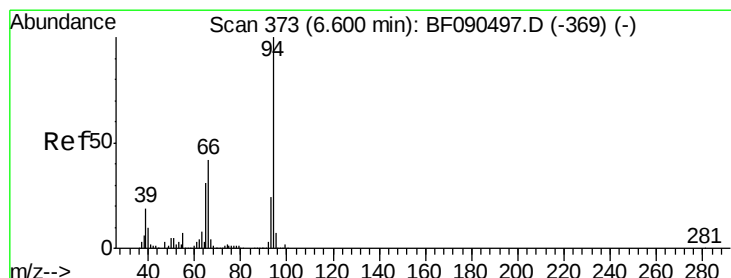
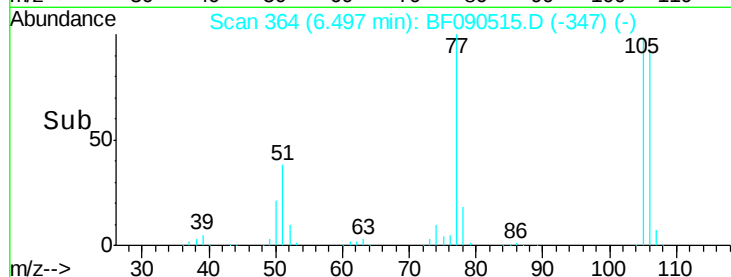
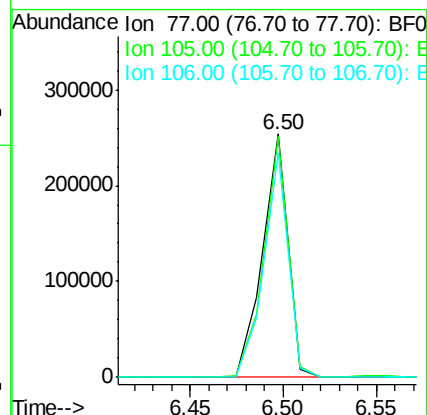
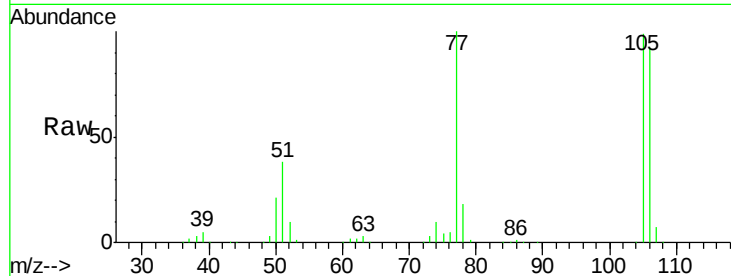
Tgt Ion: 77 Resp: 237706

Ion Ratio Lower Upper

77 100

105 99.0 73.1 113.1

106 92.4 70.2 110.2



#10

Phenol

Concen: 11.53 ng

RT: 6.59 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

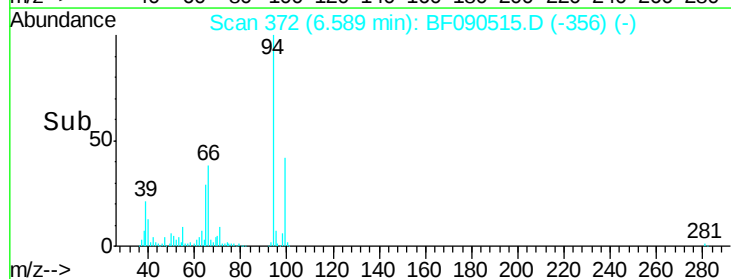
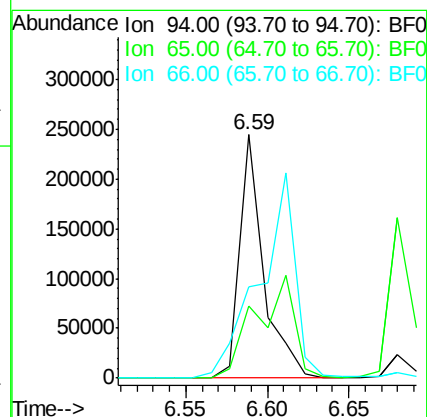
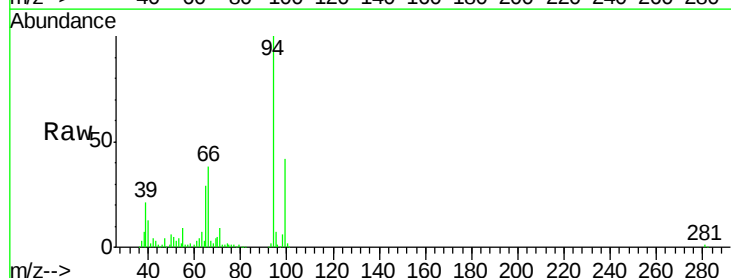
Tgt Ion: 94 Resp: 246274

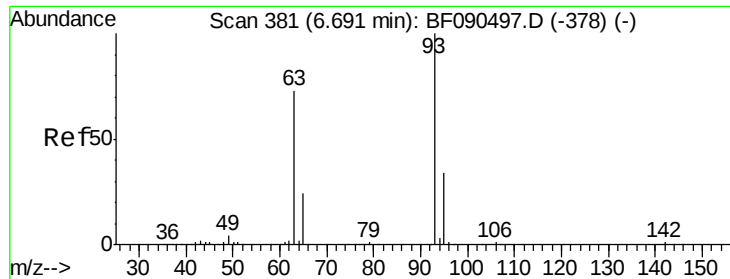
Ion Ratio Lower Upper

94 100

65 29.4 13.3 53.3

66 37.7 20.4 60.4





#11

bis(2-Chloroethyl)ether

Concen: 36.55 ng

RT: 6.68 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

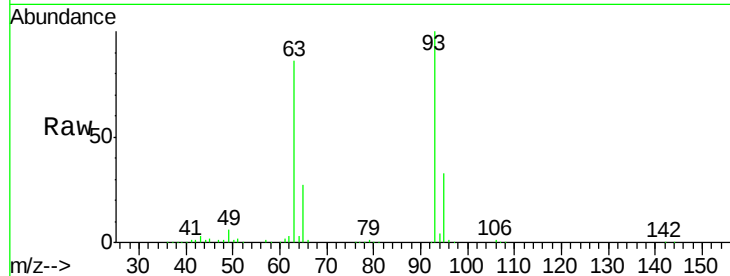
Tgt Ion: 93 Resp: 584549

Ion Ratio Lower Upper

93 100

63 86.0 59.7 99.7

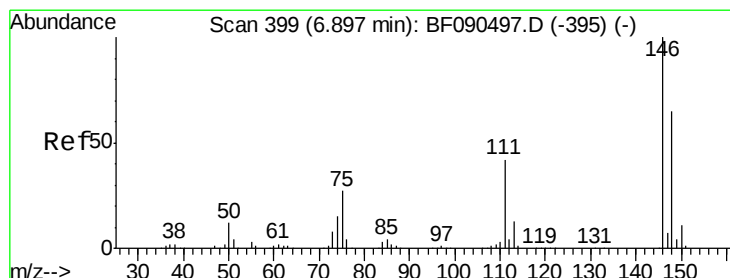
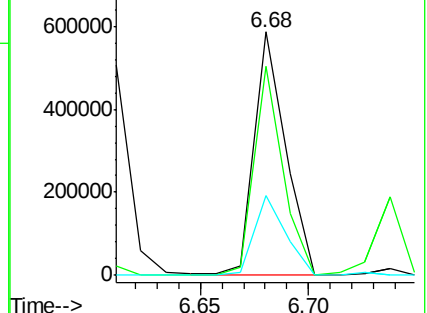
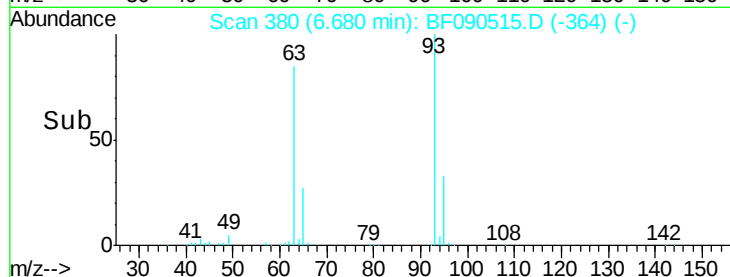
95 32.6 14.0 54.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 34.23 ng

RT: 6.90 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

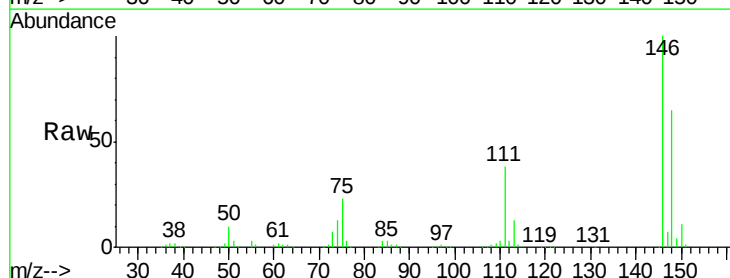
Tgt Ion: 146 Resp: 589714

Ion Ratio Lower Upper

146 100

148 65.1 52.2 78.4

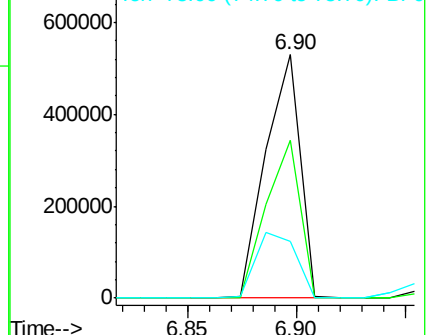
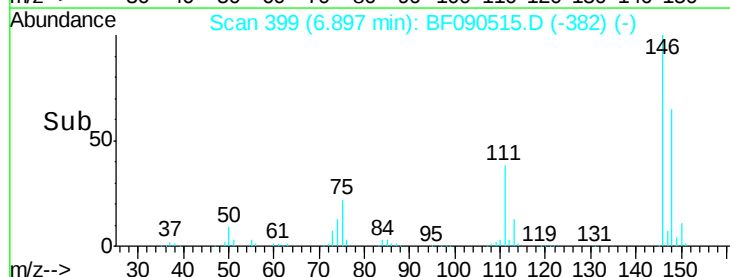
75 23.1 21.4 32.2

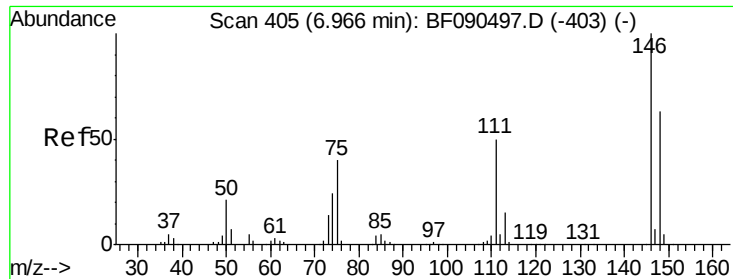


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

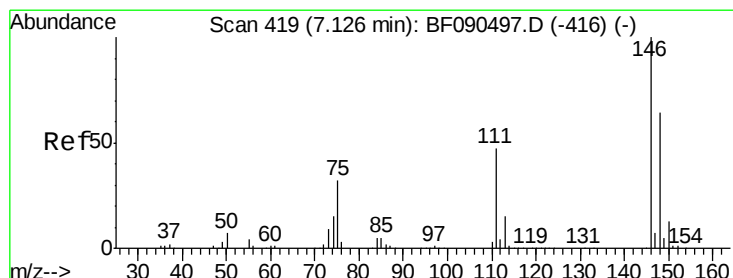
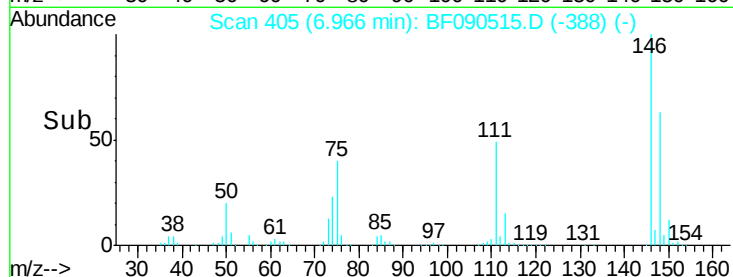
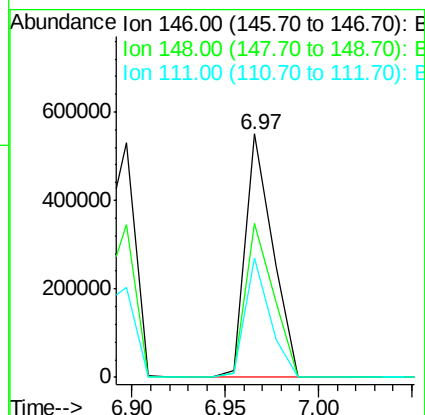
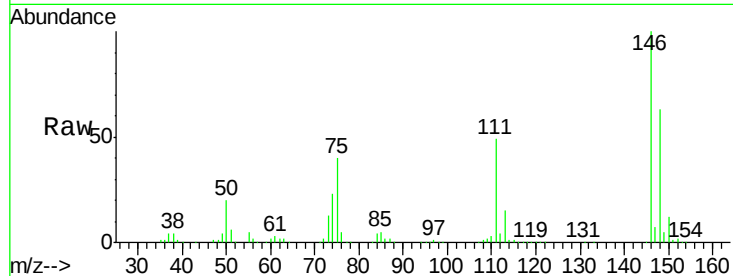




#13
 1,4-Dichlorobenzene
 Concen: 31.84 ng
 RT: 6.97 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

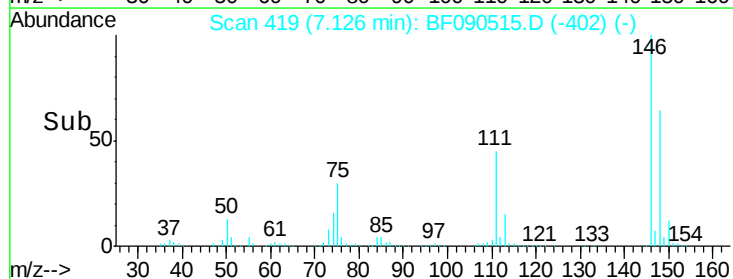
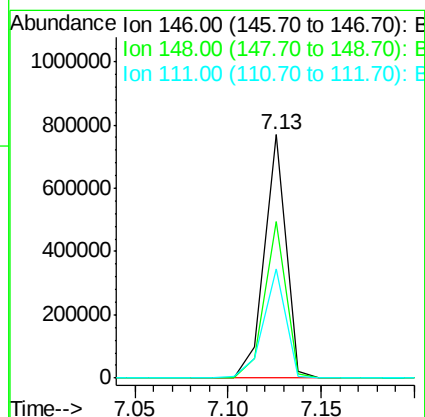
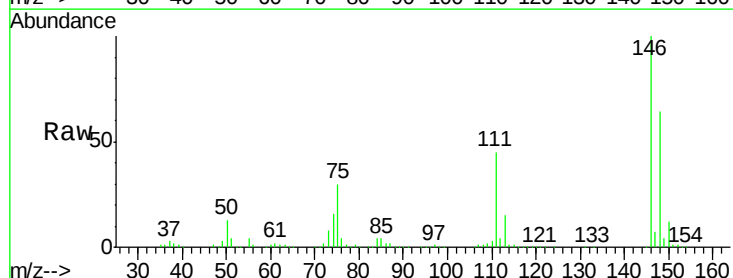
Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

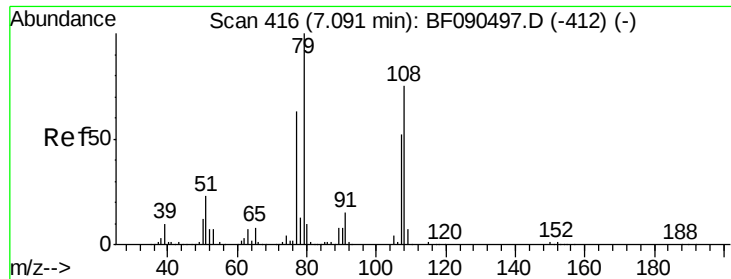
Tgt Ion:146 Resp: 559725
 Ion Ratio Lower Upper
 146 100
 148 63.3 51.1 76.7
 111 49.0 37.8 56.6



#14
 1,2-Dichlorobenzene
 Concen: 38.20 ng
 RT: 7.13 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion:146 Resp: 610149
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.3 78.5
 111 44.8 38.2 57.4





#15

Benzyl Alcohol

Concen: 25.75 ng

RT: 7.09 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

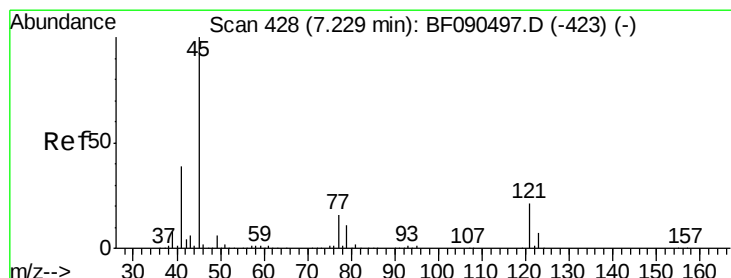
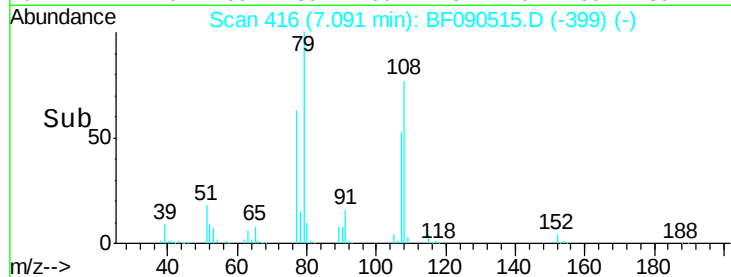
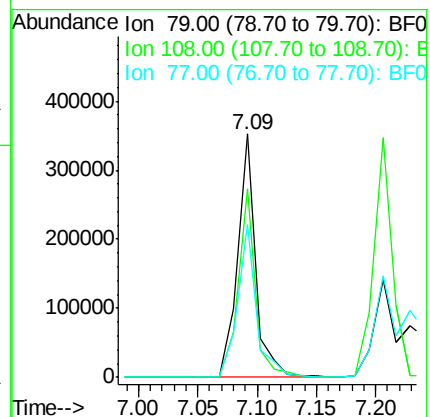
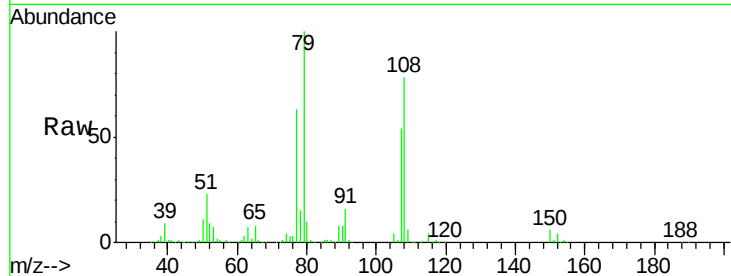
Tgt Ion: 79 Resp: 374596

Ion Ratio Lower Upper

79 100

108 77.6 60.9 91.3

77 62.9 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.98 ng

RT: 7.23 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

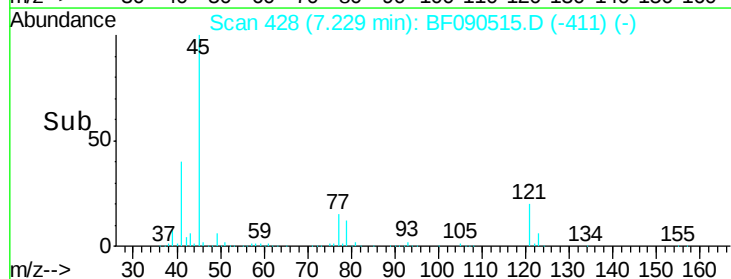
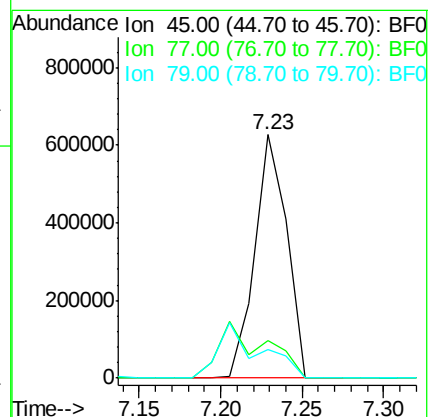
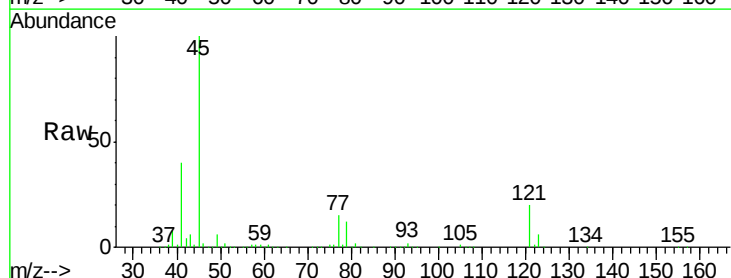
Tgt Ion: 45 Resp: 847641

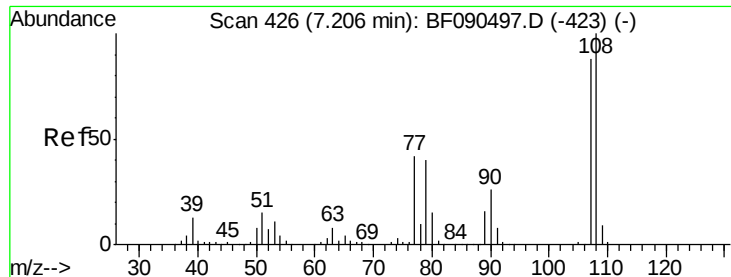
Ion Ratio Lower Upper

45 100

77 15.5 0.0 30.8

79 11.9 0.0 28.2





#17

2-Methylphenol

Concen: 26.13 ng

RT: 7.21 min Scan# 426

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

Tgt Ion:107 Resp: 339416

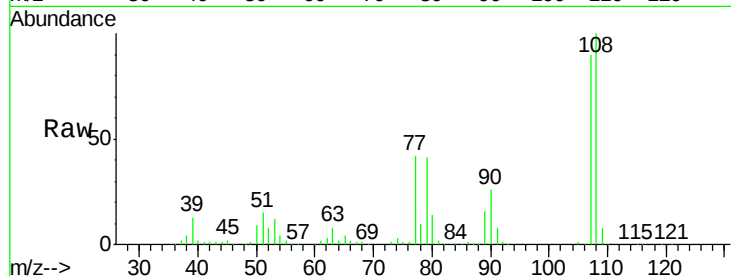
Ion Ratio Lower Upper

107 100

108 111.2 90.9 136.3

77 47.0 38.2 57.4

79 45.6 37.0 55.4

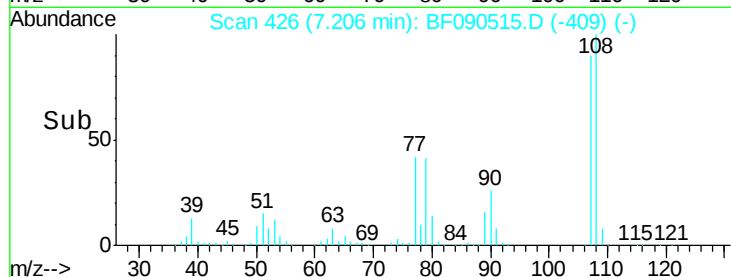


Abundance Ion 107.00 (106.70 to 107.70): E

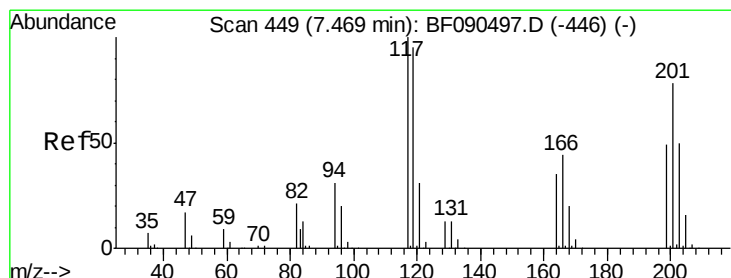
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time--> 7.10 7.20 7.30



#18

Hexachloroethane

Concen: 33.78 ng

RT: 7.47 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

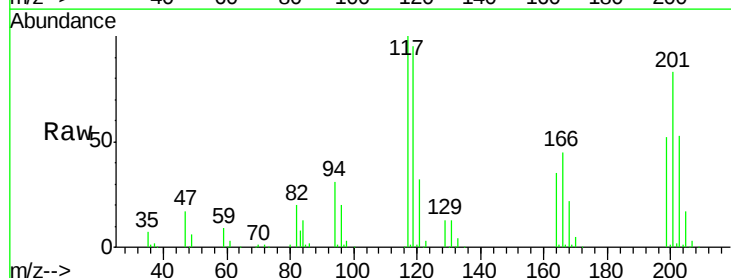
Tgt Ion:117 Resp: 219124

Ion Ratio Lower Upper

117 100

119 95.0 75.9 113.9

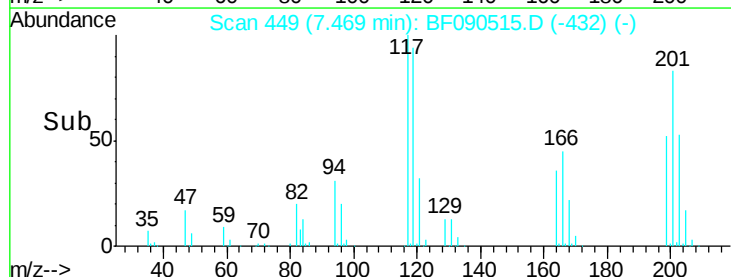
201 82.8 66.5 99.7



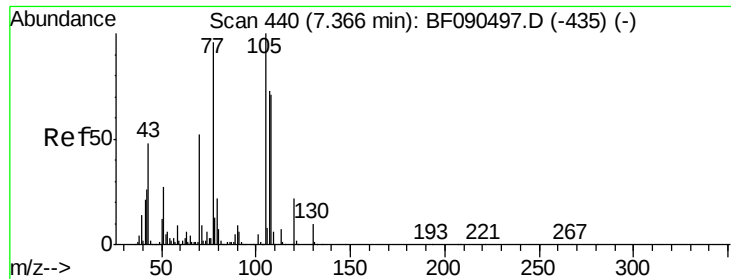
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



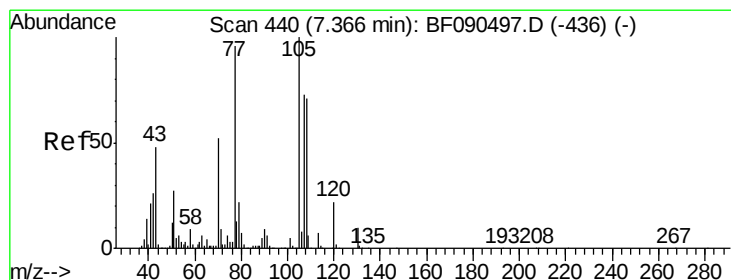
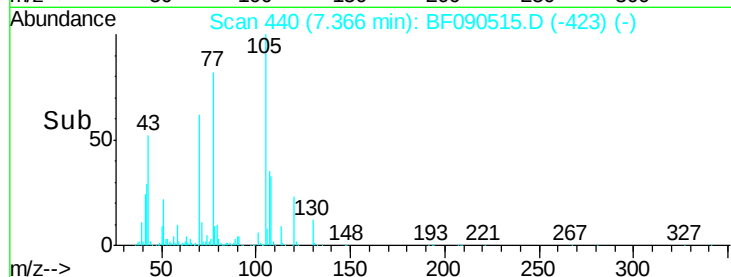
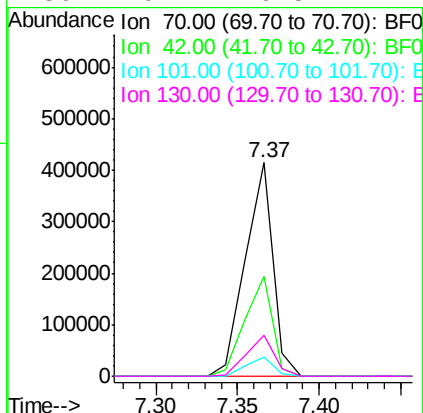
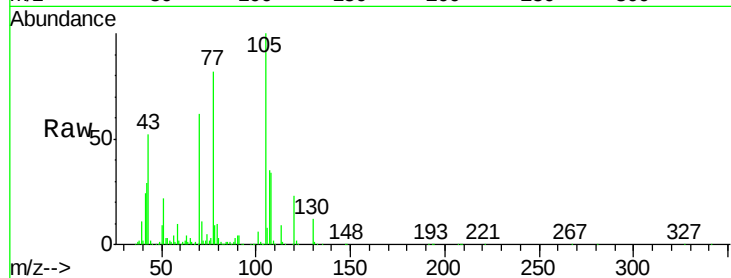
Time--> 7.40 7.45 7.50



#19
n-Nitroso-di-n-propylamine
Concen: 40.03 ng
RT: 7.37 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

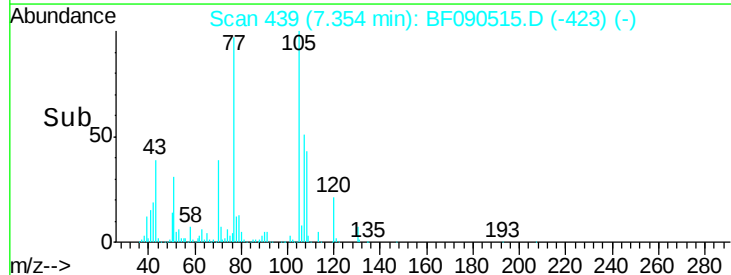
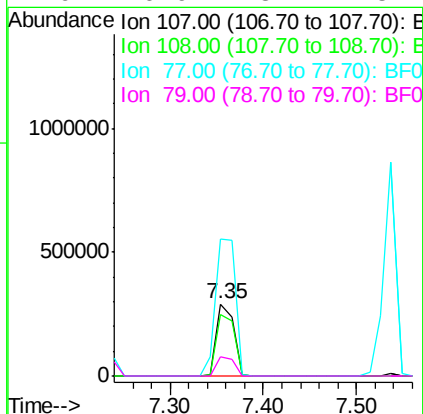
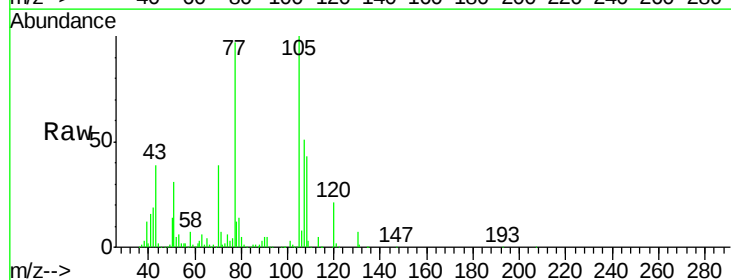
Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

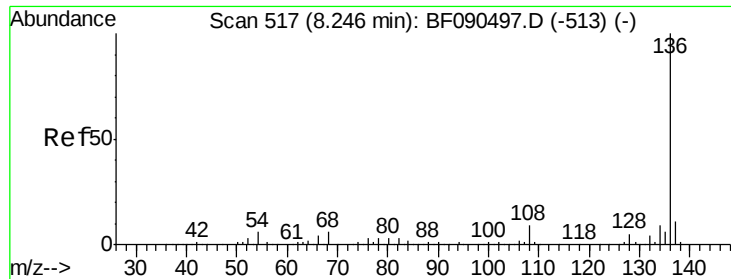
Tgt Ion: 70 Resp: 483668
Ion Ratio Lower Upper
70 100
42 46.7 55.4 83.2#
101 9.0 7.6 11.4
130 19.2 16.5 24.7



#20
3+4-Methylphenols
Concen: 22.57 ng
RT: 7.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion: 107 Resp: 371142
Ion Ratio Lower Upper
107 100
108 85.4 66.7 106.7
77 191.2 53.7 93.7#
79 26.9 8.4 48.4

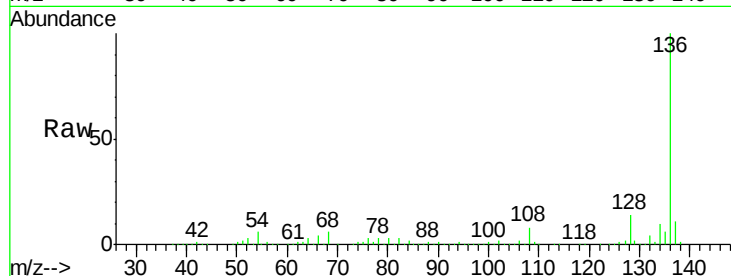




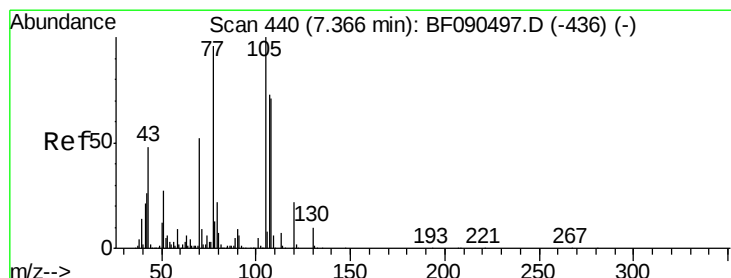
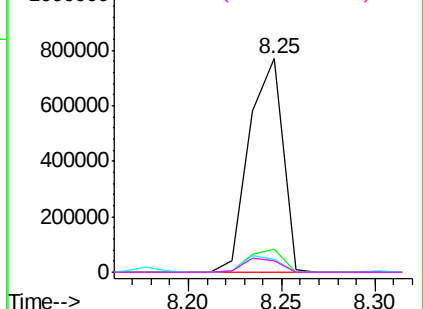
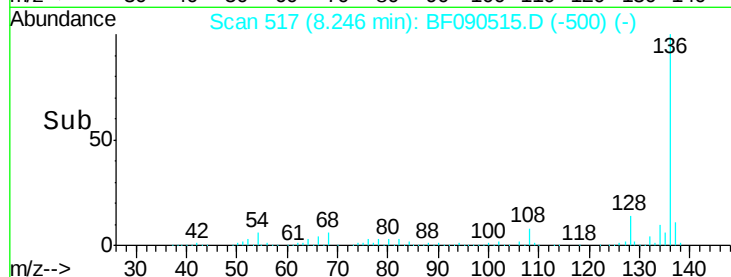
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

Tgt Ion:	136	Resp:	962803
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.6
54	5.9	6.6	10.0#
68	5.7	5.0	7.6

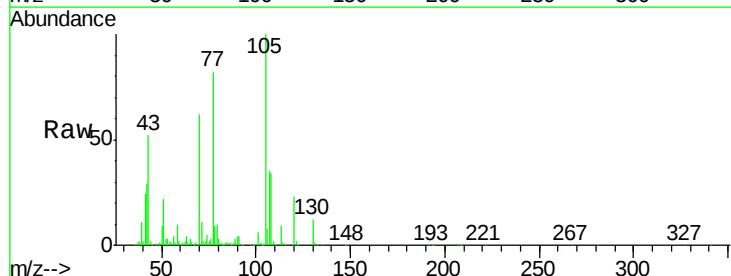


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

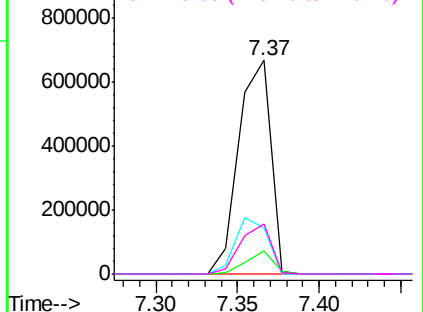
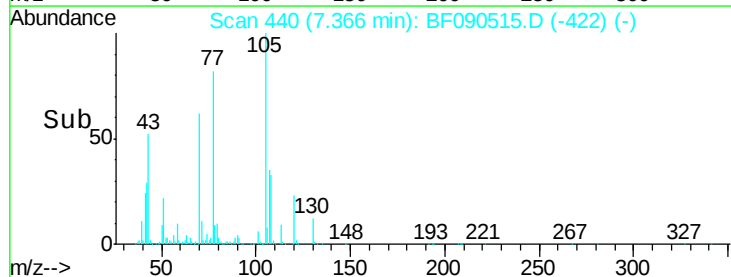


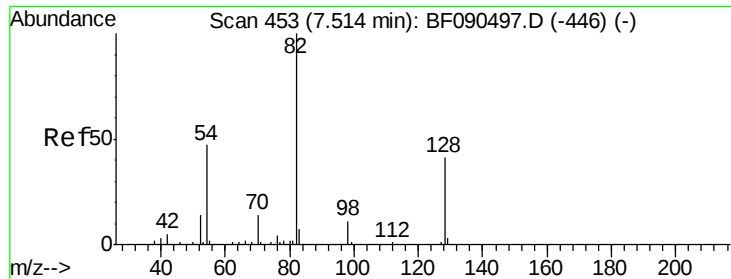
#22
Acetophenone
Concen: 42.94 ng
RT: 7.37 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:	105	Resp:	910269
Ion Ratio	Lower	Upper	
105	100		
71	10.6	3.8	5.6#
51	21.8	28.2	42.4#
120	23.3	17.4	26.2



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

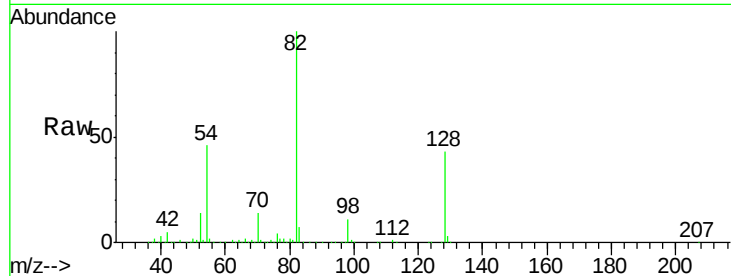




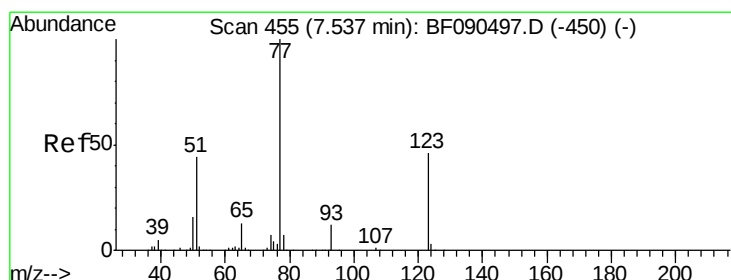
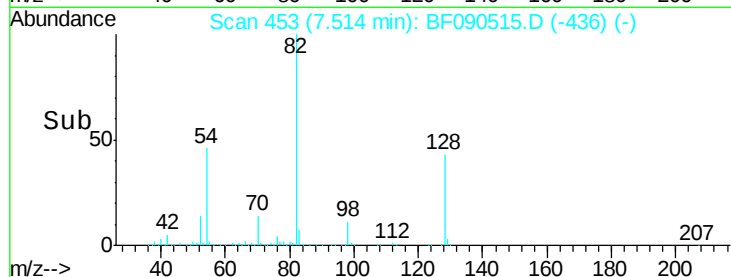
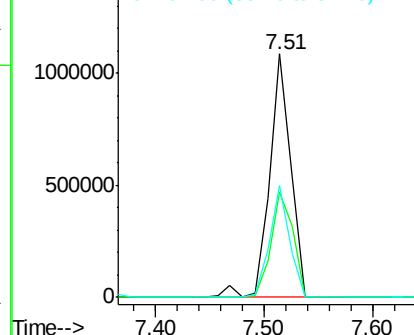
#23
Nitrobenzene-d5
Concen: 83.21 ng
RT: 7.51 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

Tgt Ion: 82 Resp: 1477035
Ion Ratio Lower Upper
82 100
128 43.3 40.0 60.0
54 46.0 42.6 64.0

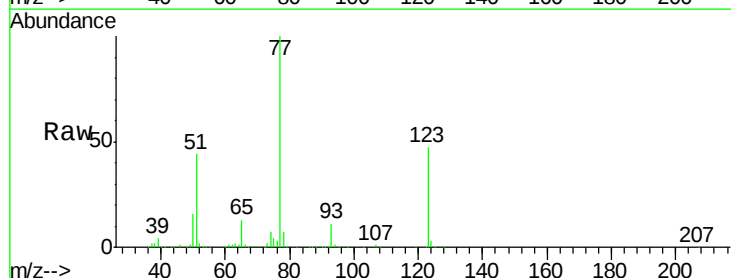


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

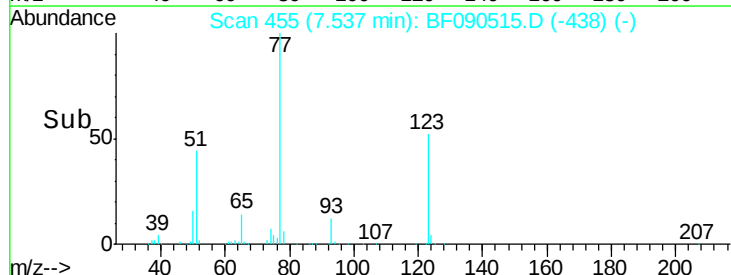
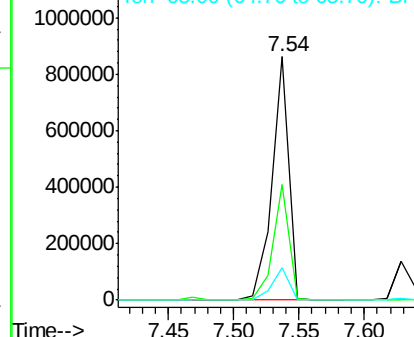


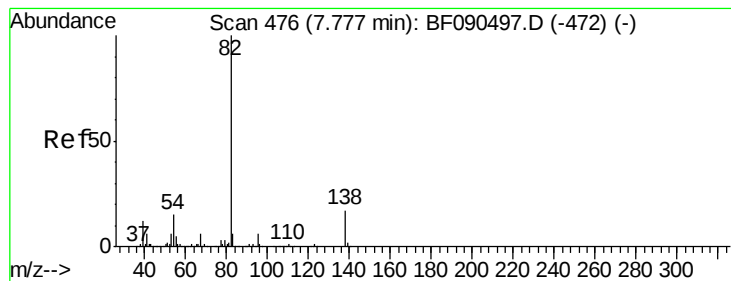
#24
Nitrobenzene
Concen: 40.84 ng
RT: 7.54 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion: 77 Resp: 777550
Ion Ratio Lower Upper
77 100
123 47.5 33.0 49.4
65 13.1 12.0 18.0



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: 41.88 ng

RT: 7.78 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

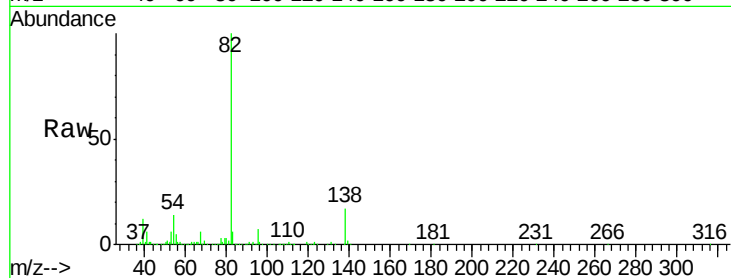
Tgt Ion: 82 Resp: 1353082

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

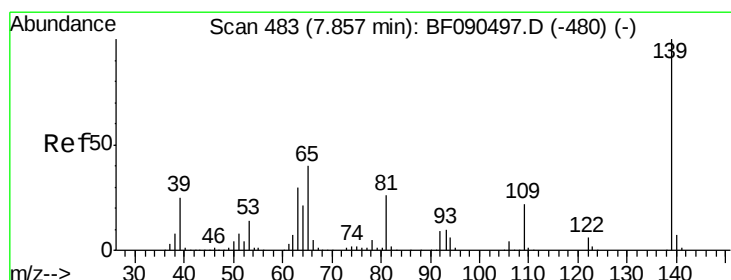
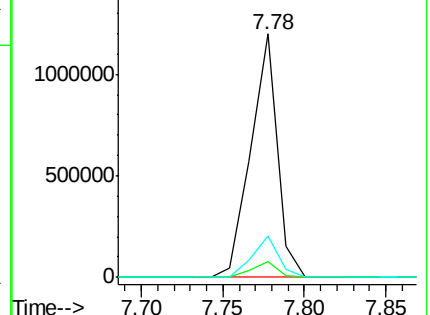
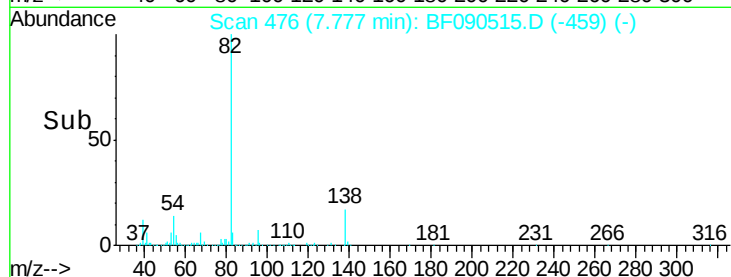
138 16.9 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 41.01 ng

RT: 7.86 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

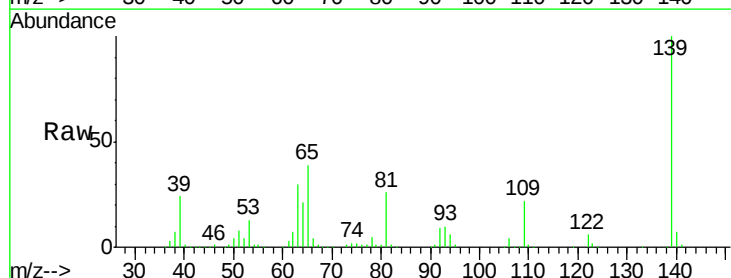
Tgt Ion: 139 Resp: 356239

Ion Ratio Lower Upper

139 100

109 21.7 18.9 28.3

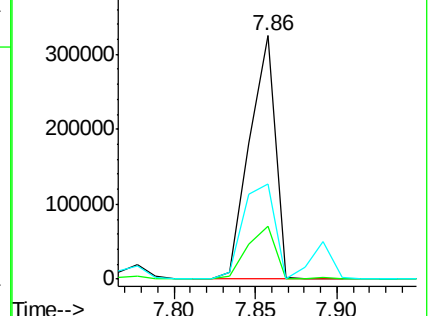
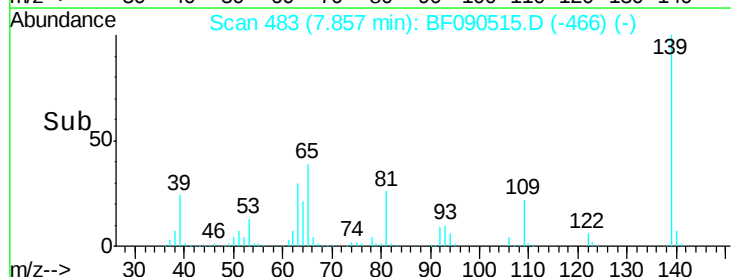
65 38.9 31.6 47.4

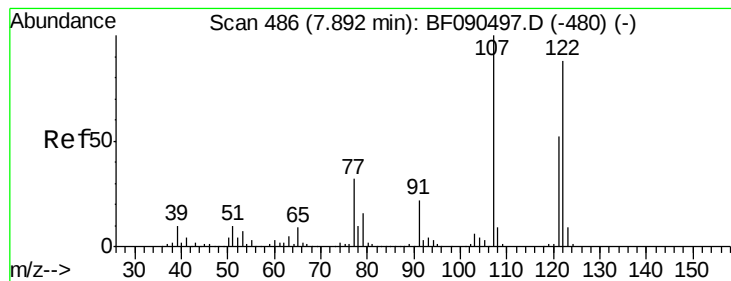


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 34.42 ng

RT: 7.89 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

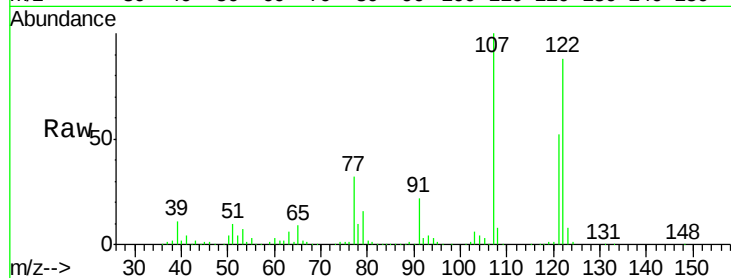
Tgt Ion: 122 Resp: 508296

Ion Ratio Lower Upper

122 100

107 113.7 88.6 132.8

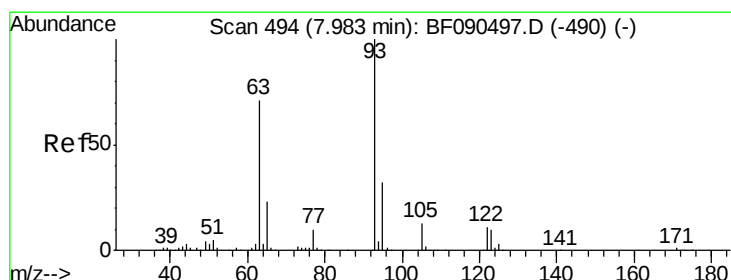
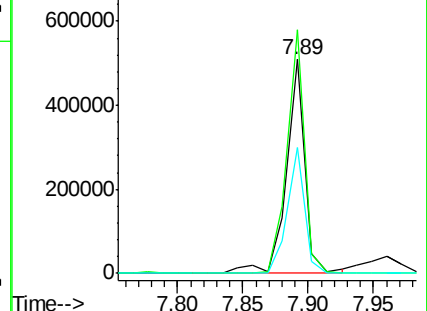
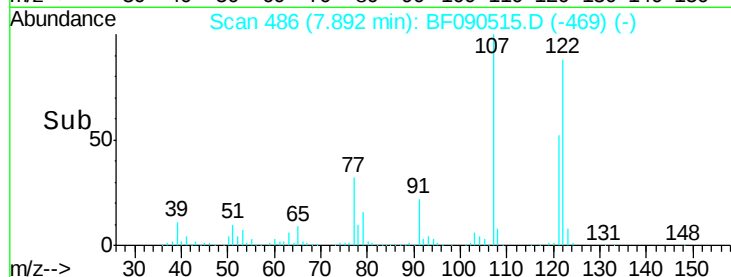
121 58.7 47.5 71.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 41.23 ng

RT: 7.98 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

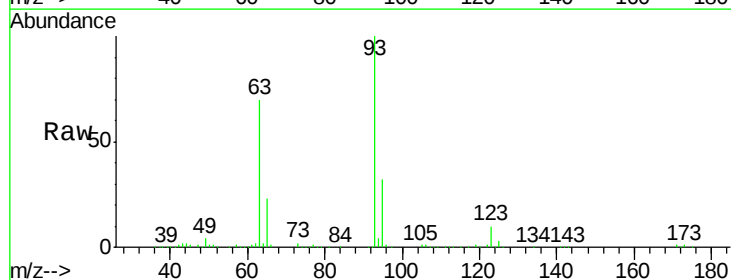
Tgt Ion: 93 Resp: 822661

Ion Ratio Lower Upper

93 100

95 32.3 27.0 40.4

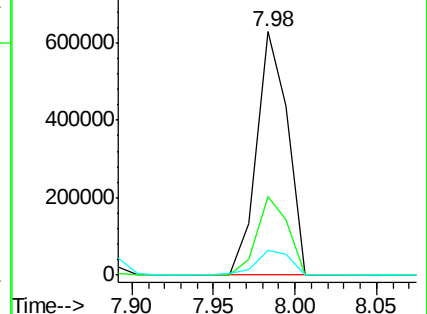
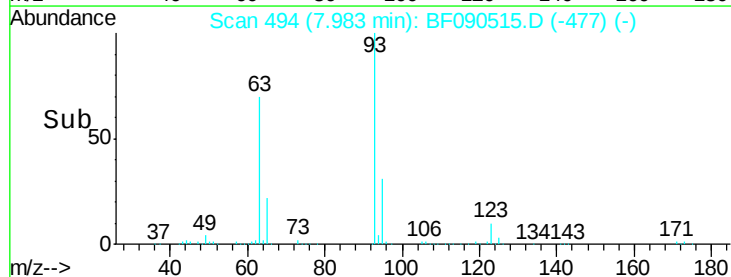
123 10.3 11.1 16.7#

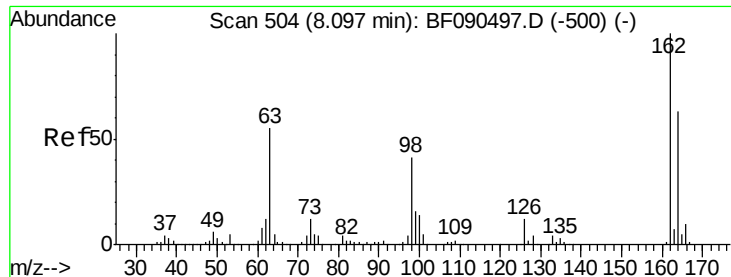


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

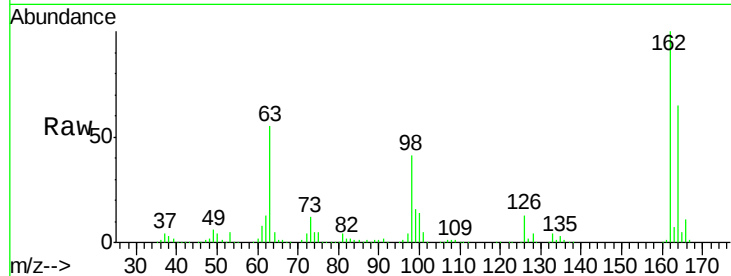




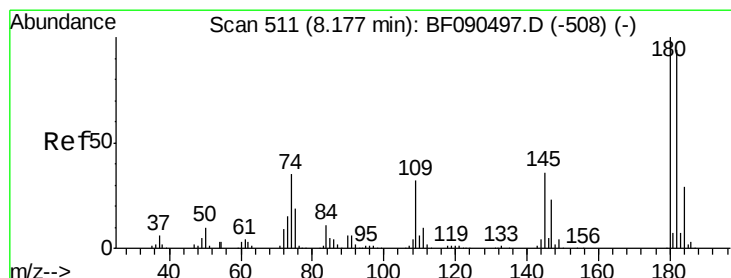
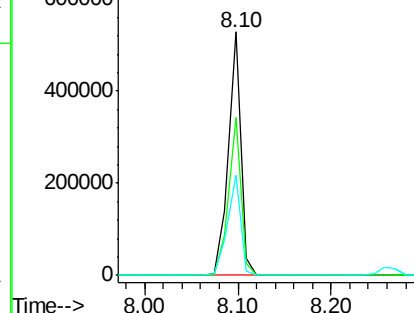
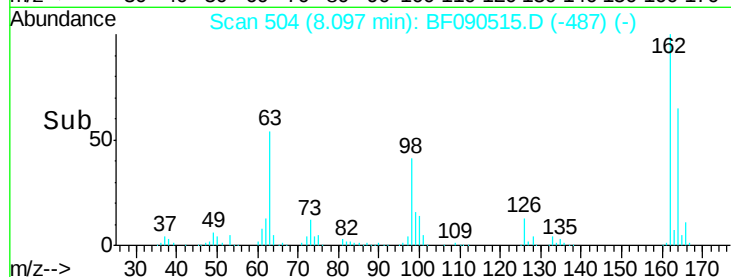
#29
 2,4-Dichlorophenol
 Concen: 39.64 ng
 RT: 8.10 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

Tgt Ion:162 Resp: 489552
 Ion Ratio Lower Upper
 162 100
 164 65.0 45.7 85.7
 98 41.2 13.3 53.3

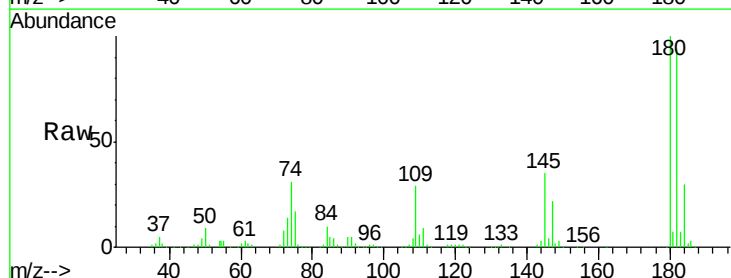


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

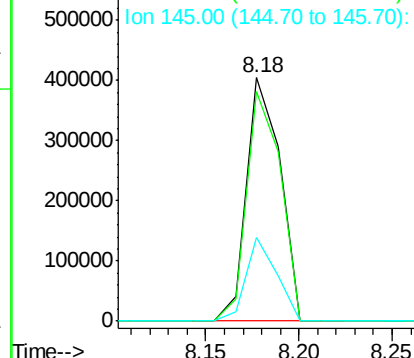
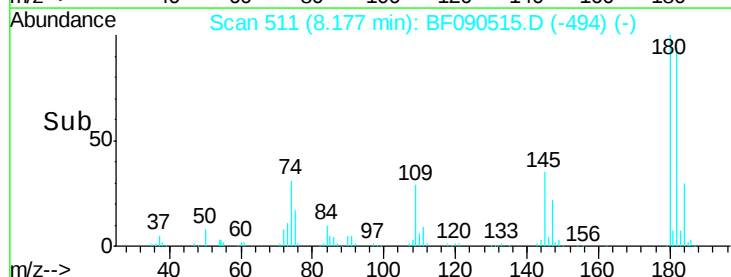


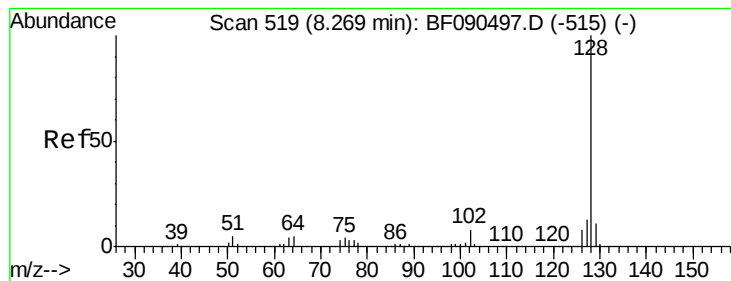
#30
 1,2,4-Trichlorobenzene
 Concen: 35.64 ng
 RT: 8.18 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion:180 Resp: 505567
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.3 112.9
 145 34.5 27.7 41.5



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: 36.53 ng

RT: 8.27 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

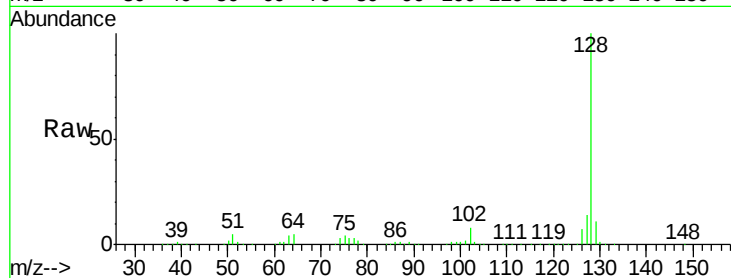
Tgt Ion:128 Resp: 1752339

Ion Ratio Lower Upper

128 100

129 11.1 9.7 14.5

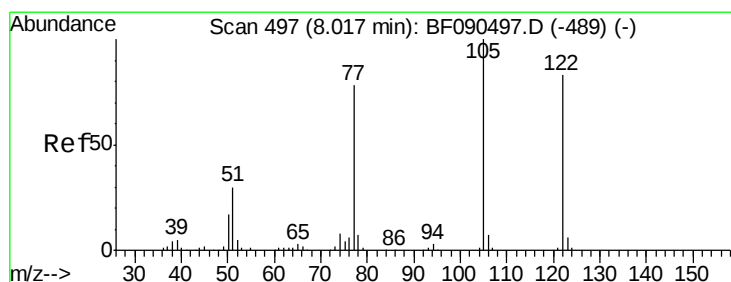
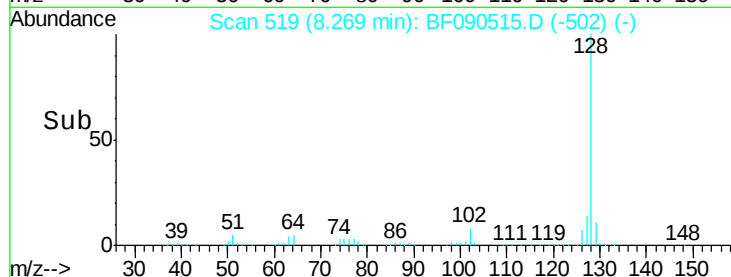
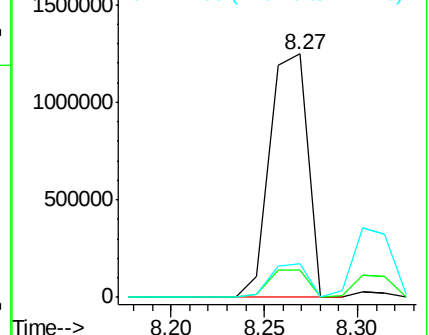
127 13.6 11.7 17.5



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: 6.78 ng

RT: 7.96 min Scan# 492

Delta R.T. -0.06 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

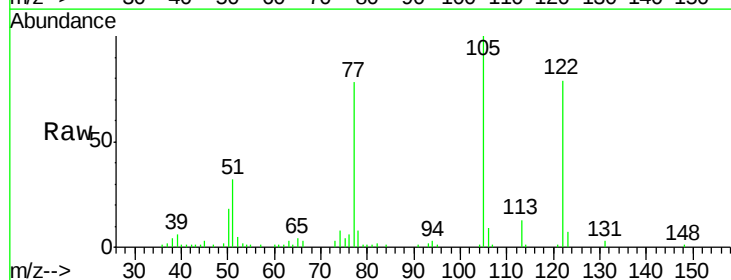
Tgt Ion:122 Resp: 79038

Ion Ratio Lower Upper

122 100

105 126.6 103.9 143.9

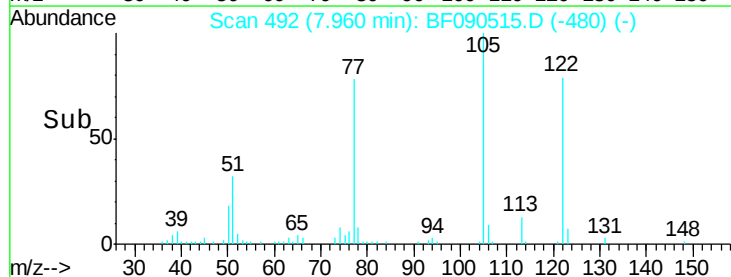
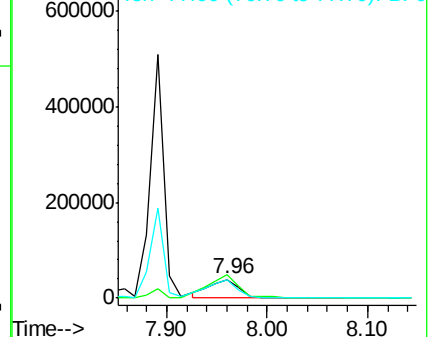
77 98.2 74.6 114.6



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

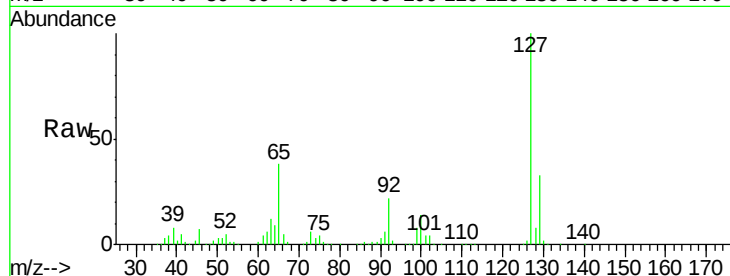




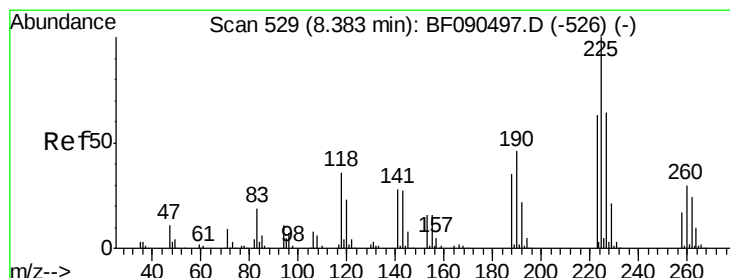
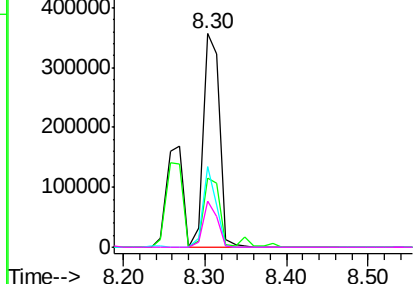
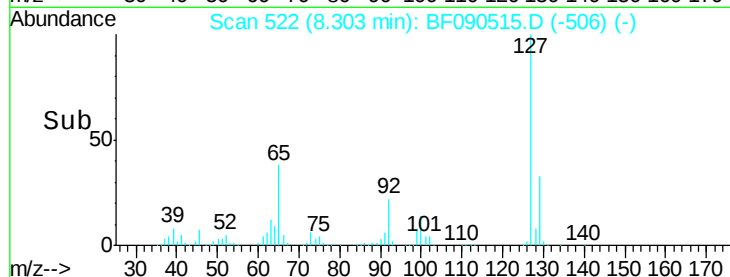
#33
4-Chloroaniline
Concen: 24.74 ng
RT: 8.30 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

Tgt Ion:	127	Resp:	502424
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	37.7	32.5	48.7
92	21.6	17.2	25.8

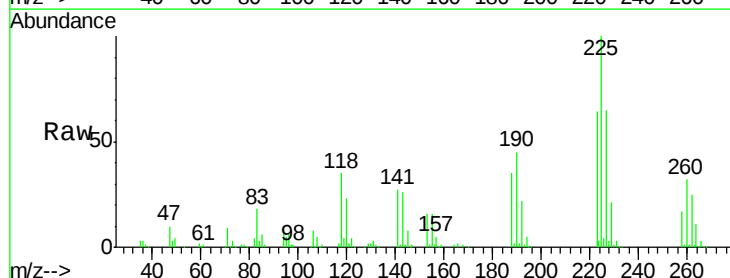


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

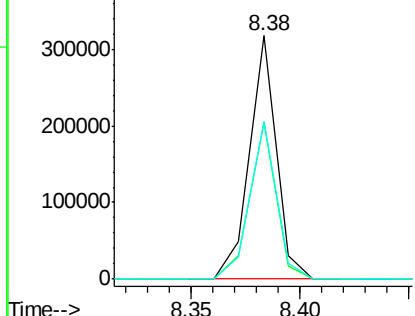
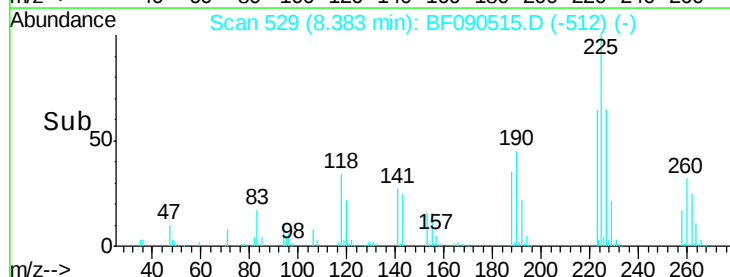


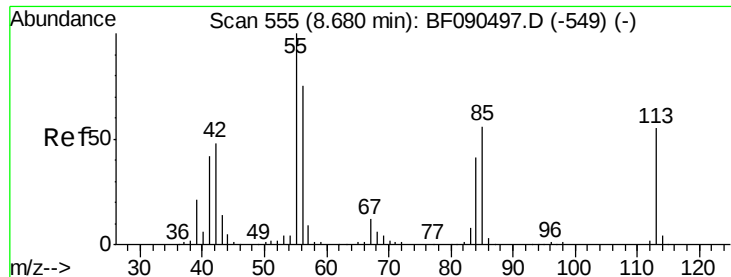
#34
Hexachlorobutadiene
Concen: 34.36 ng
RT: 8.38 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:	225	Resp:	272539
Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.0	76.4
227	64.9	50.8	76.2



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

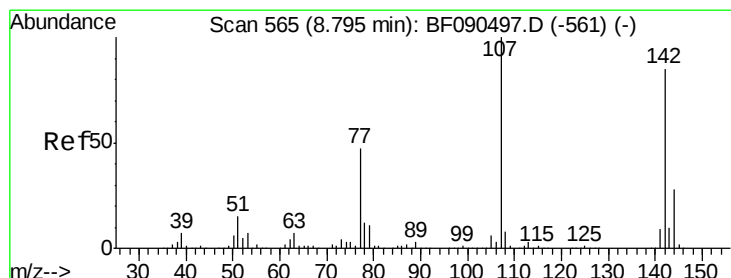
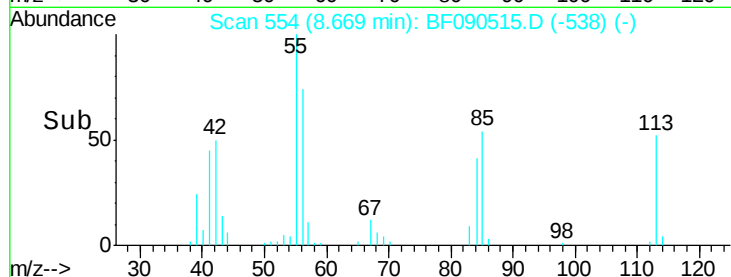
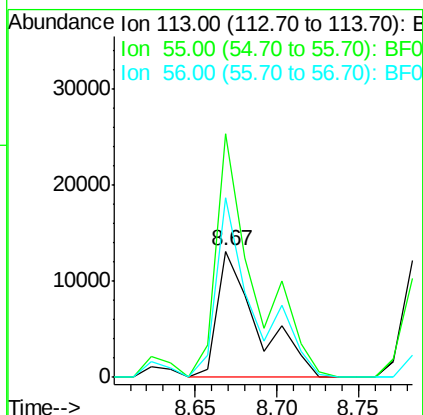
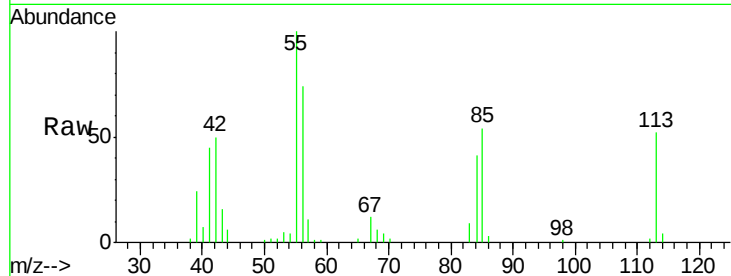




#35
 Caprolactam
 Concen: 5.62 ng
 RT: 8.67 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

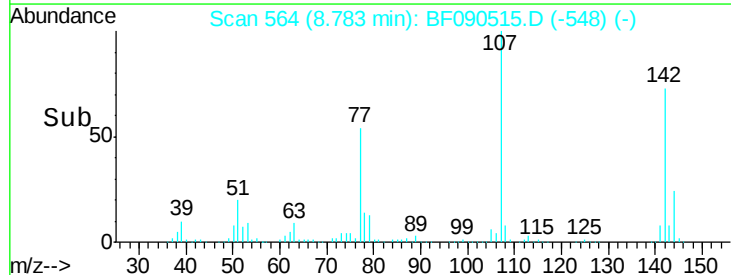
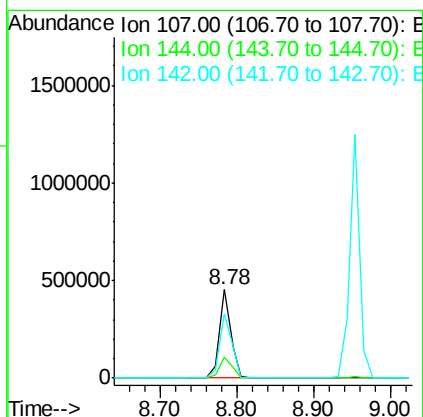
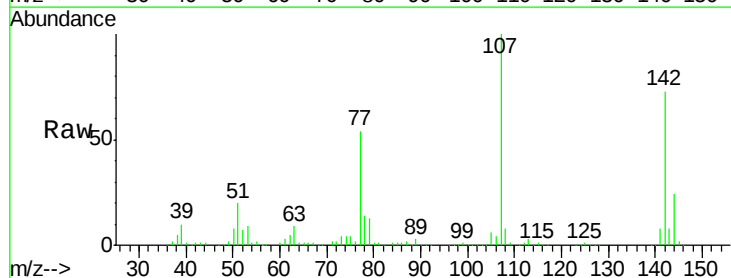
Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

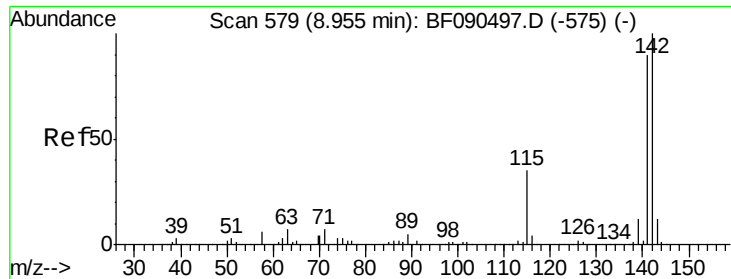
Tgt Ion:113 Resp: 22513
 Ion Ratio Lower Upper
 113 100
 55 193.3 203.3 243.3#
 56 142.7 140.5 180.5



#36
 4-Chloro-3-methylphenol
 Concen: 32.83 ng
 RT: 8.78 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion:107 Resp: 473441
 Ion Ratio Lower Upper
 107 100
 144 23.8 19.8 29.8
 142 72.7 60.7 91.1

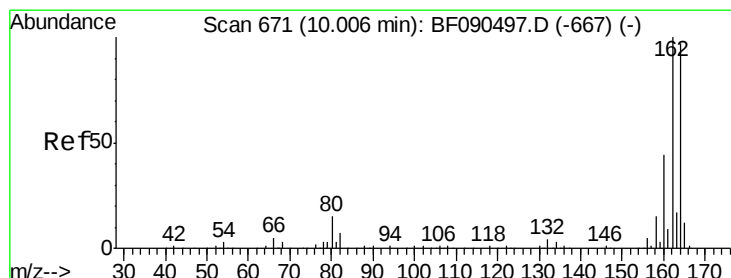
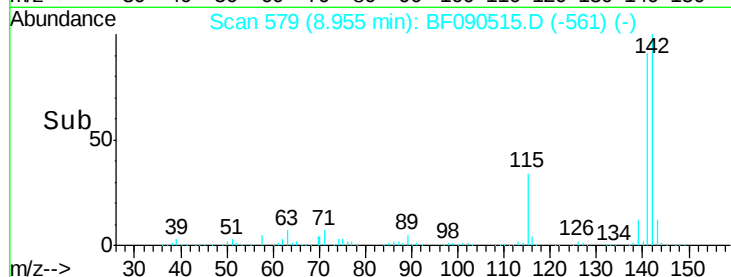
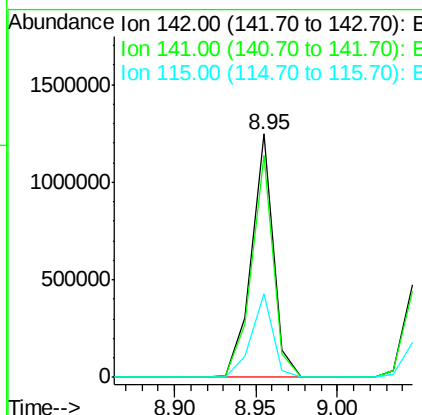
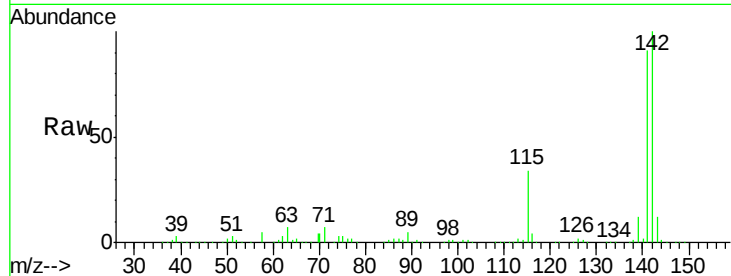




#37
2-Methylnaphthalene
Concen: 36.16 ng
RT: 8.95 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

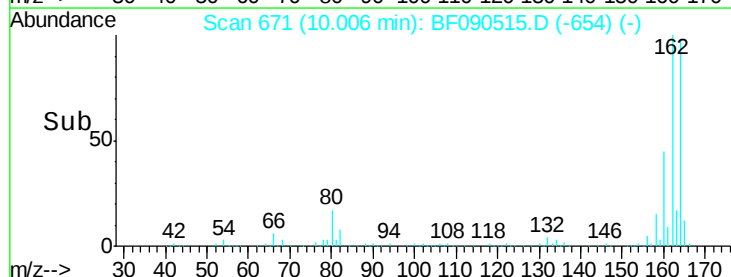
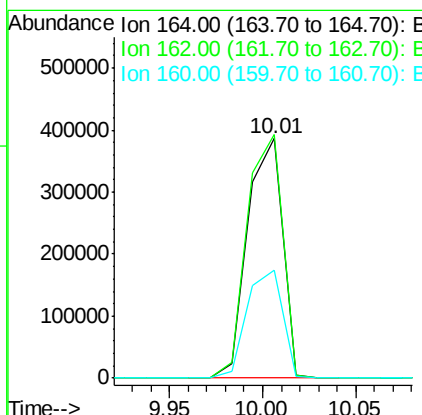
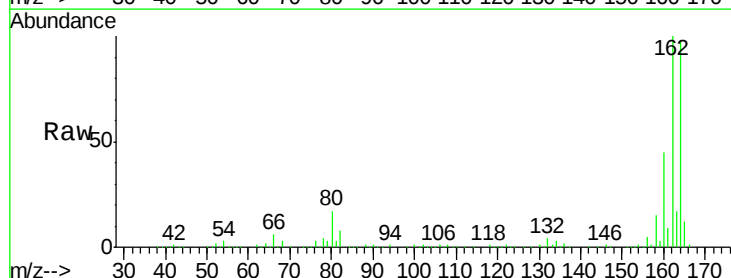
Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

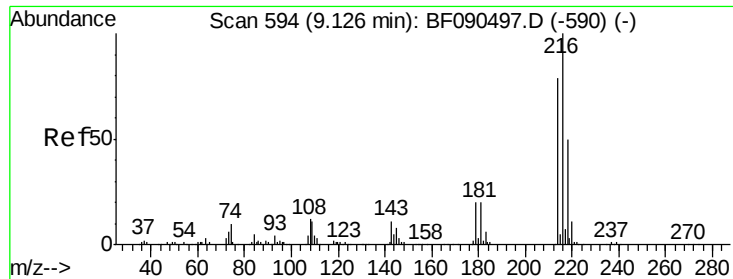
Tgt Ion:142 Resp: 1164307
Ion Ratio Lower Upper
142 100
141 90.9 71.8 107.8
115 34.3 28.8 43.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:164 Resp: 500240
Ion Ratio Lower Upper
164 100
162 101.7 80.1 120.1
160 45.3 36.3 54.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.60 ng

RT: 9.13 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

Tgt Ion:216 Resp: 596565

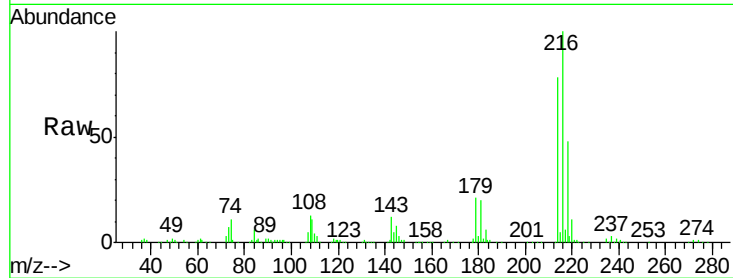
Ion Ratio Lower Upper

216 100

214 78.7 64.2 96.2

179 21.6 18.0 27.0

108 19.3 15.2 22.8

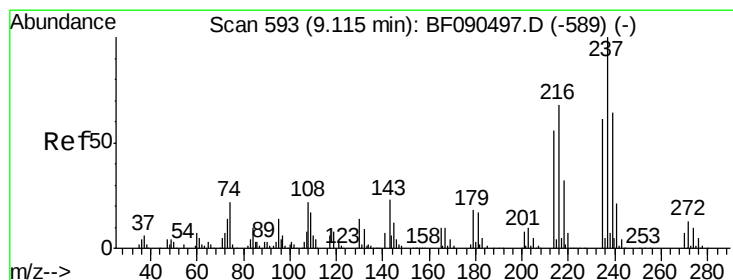
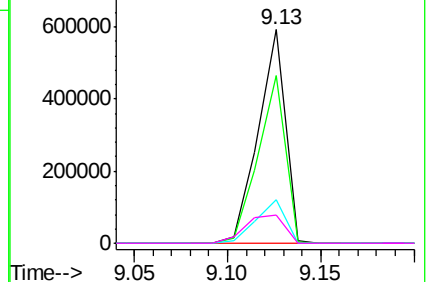
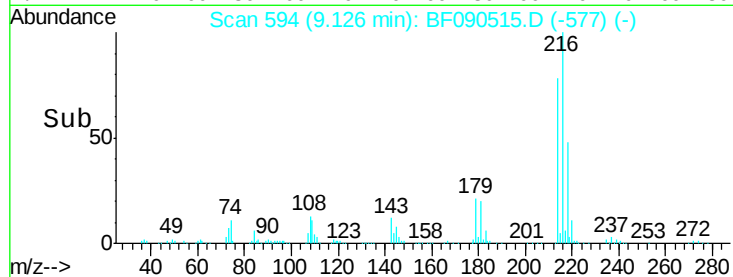


Abundance Ion 216.00 (215.70 to 216.70): E

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: 88.81 ng

RT: 9.11 min Scan# 593

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

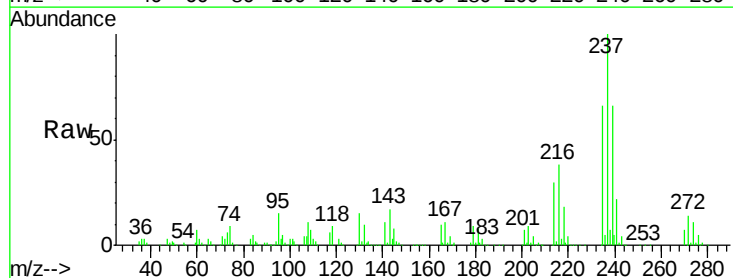
Tgt Ion:237 Resp: 617330

Ion Ratio Lower Upper

237 100

235 65.6 43.6 83.6

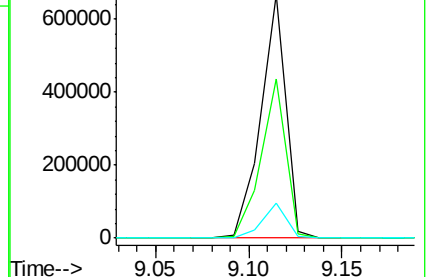
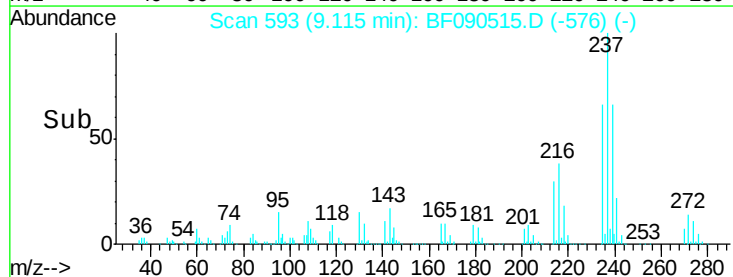
272 14.2 0.0 32.7

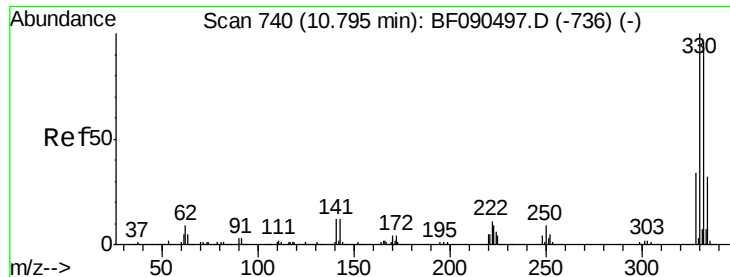


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

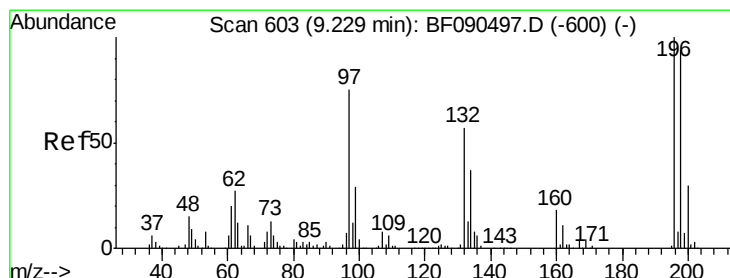
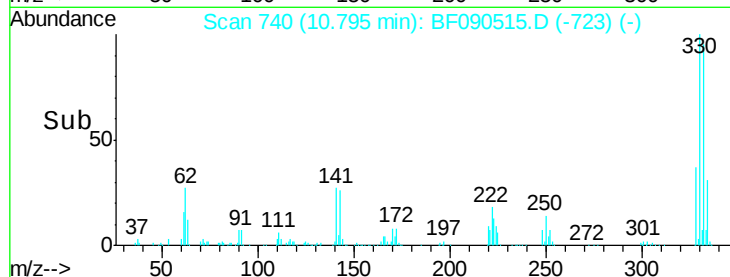
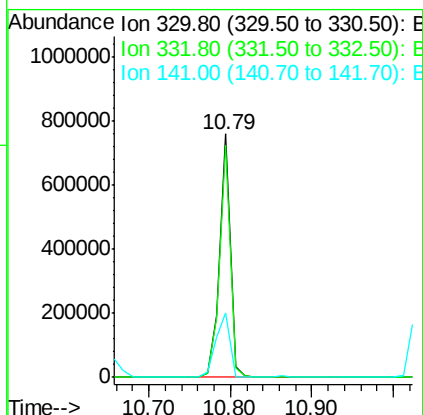
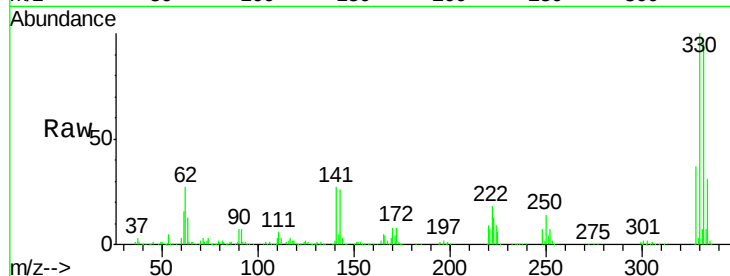




#41
 2,4,6-Tribromophenol
 Concen: 140.31 ng
 RT: 10.79 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

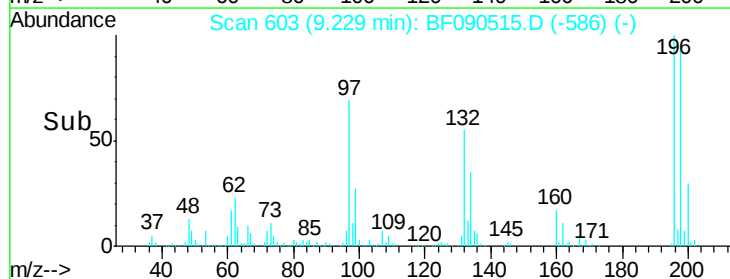
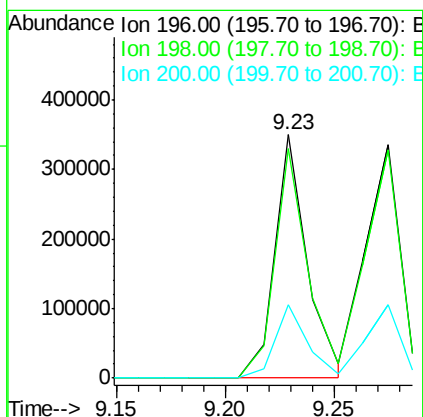
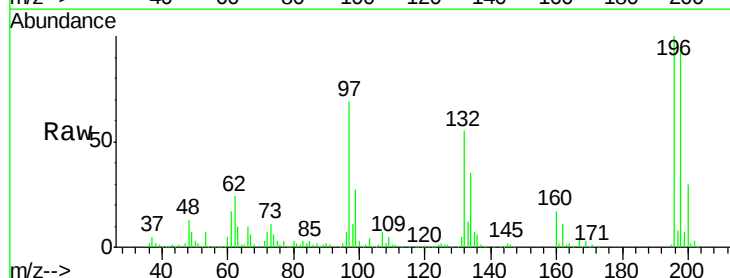
Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

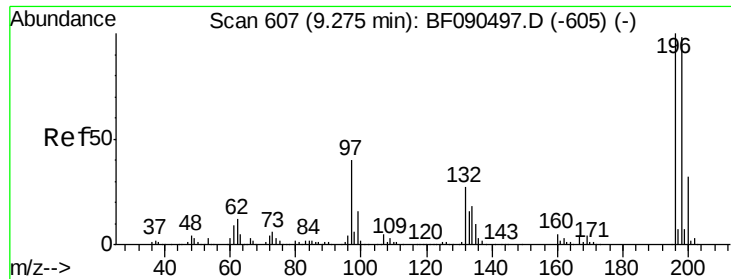
Tgt Ion:330 Resp: 695757
 Ion Ratio Lower Upper
 330 100
 332 95.1 75.4 113.0
 141 34.7 26.9 40.3



#42
 2,4,6-Trichlorophenol
 Concen: 38.74 ng
 RT: 9.23 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion:196 Resp: 365769
 Ion Ratio Lower Upper
 196 100
 198 94.1 78.9 118.3
 200 30.3 25.4 38.2

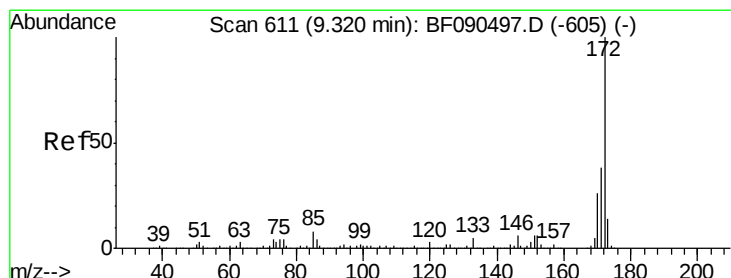
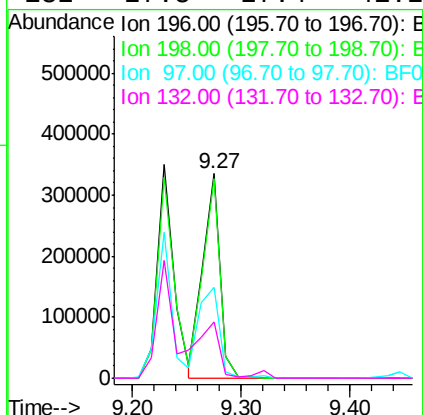
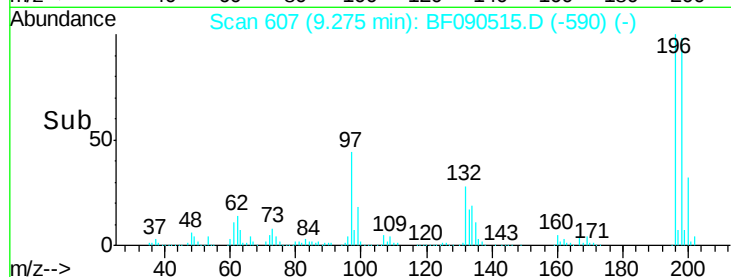
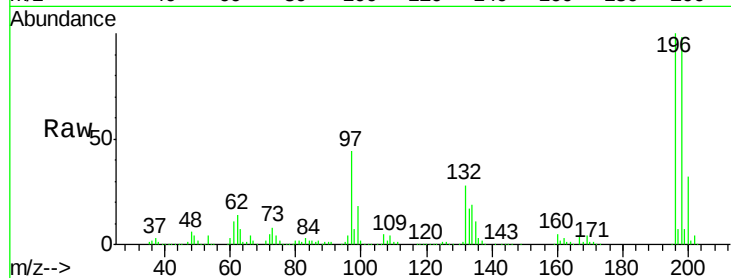




#43
 2,4,5-Trichlorophenol
 Concen: 40.23 ng
 RT: 9.27 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

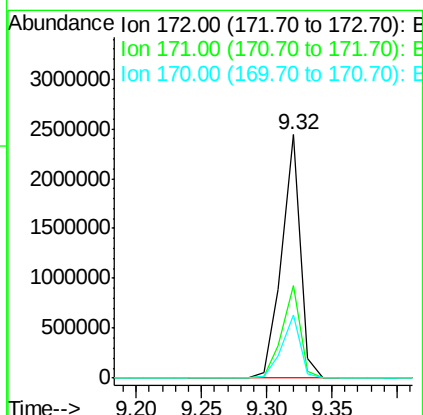
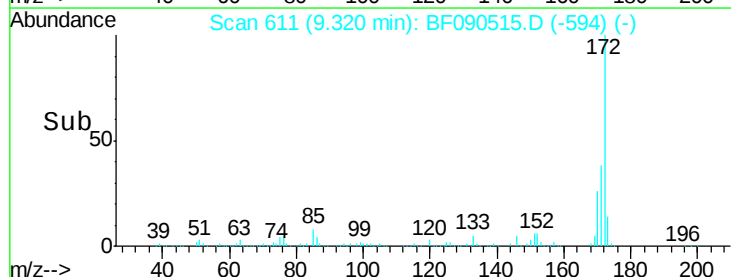
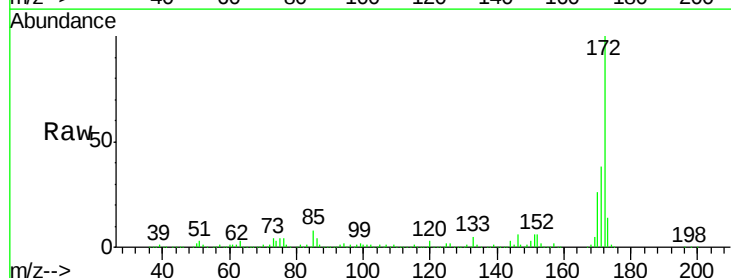
Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

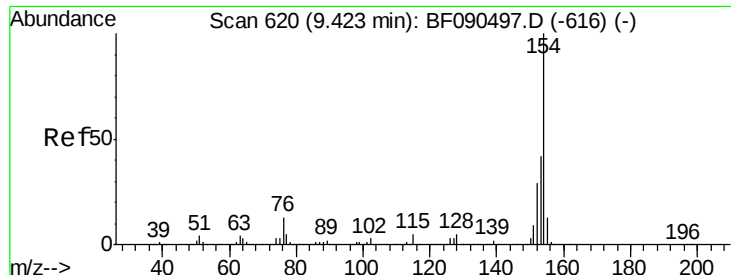
Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.8	78.1	117.1
97	44.4	48.1	72.1#
132	27.8	27.4	41.2



#44
 2-Fluorobiphenyl
 Concen: 82.57 ng
 RT: 9.32 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.8	47.8
170	25.7	21.7	32.5





#45

1,1'-Biphenyl

Concen: 42.10 ng

RT: 9.42 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

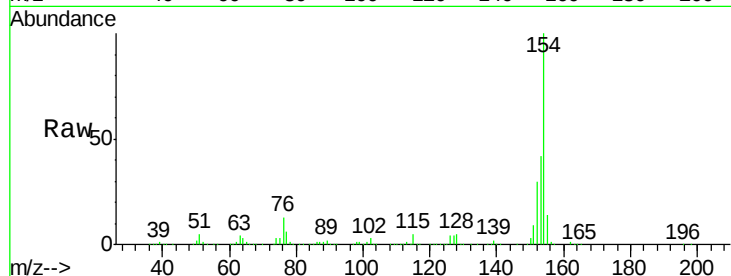
Tgt Ion:154 Resp: 1608307

Ion Ratio Lower Upper

154 100

153 41.9 23.8 63.8

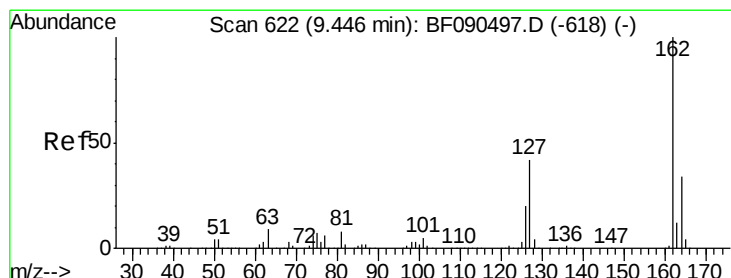
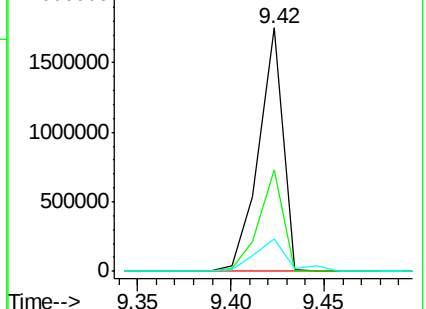
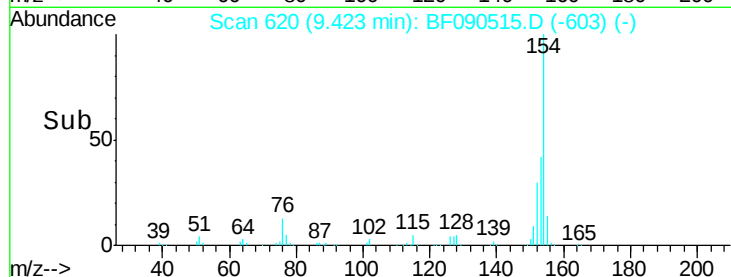
76 13.1 0.0 35.8



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: 41.16 ng

RT: 9.45 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

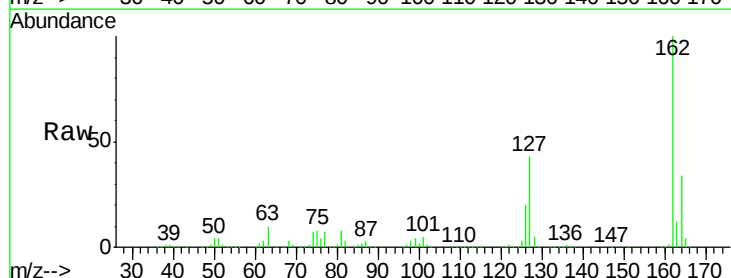
Tgt Ion:162 Resp: 1170122

Ion Ratio Lower Upper

162 100

127 42.8 35.6 53.4

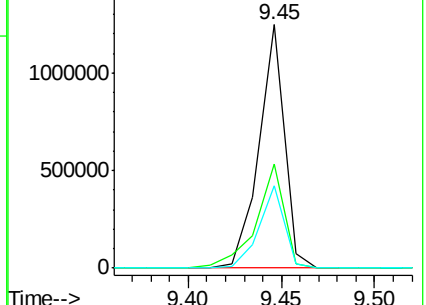
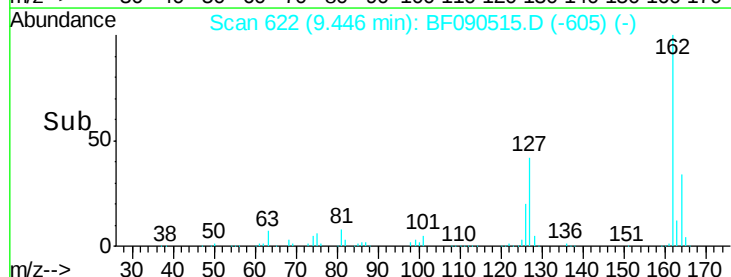
164 33.9 27.5 41.3

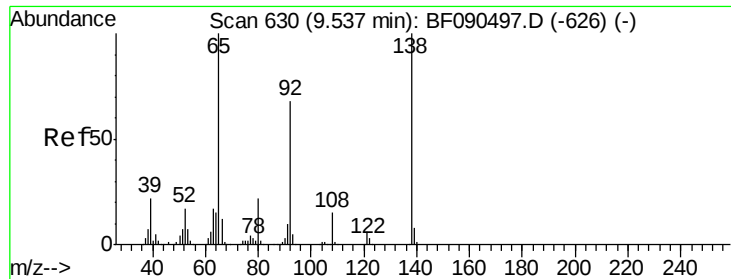


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

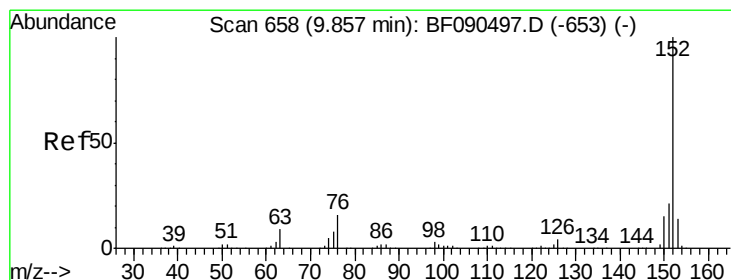
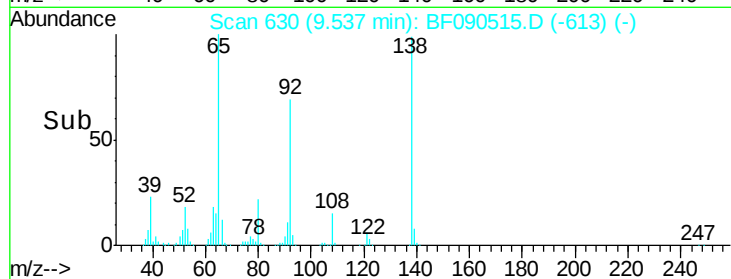
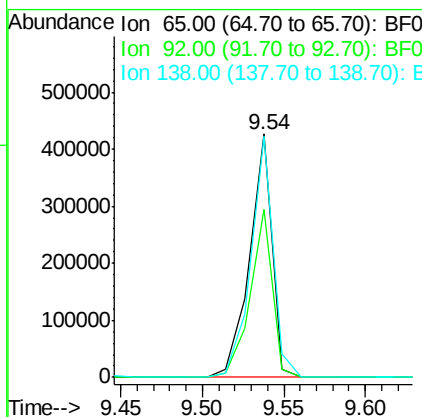
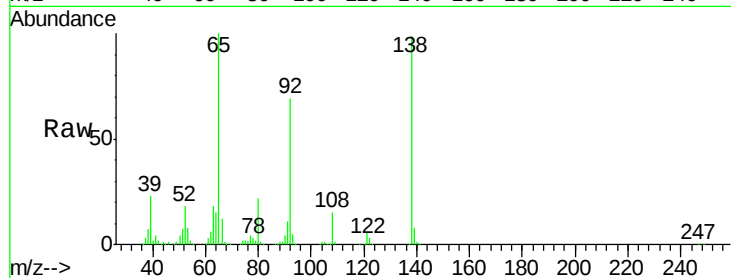




#47
2-Nitroaniline
Concen: 40.16 ng
RT: 9.54 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

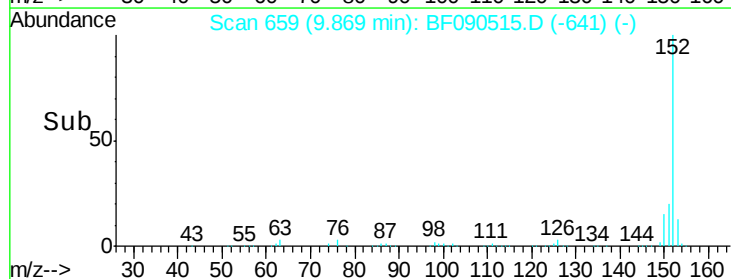
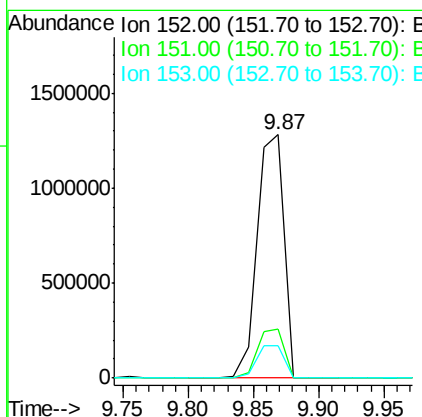
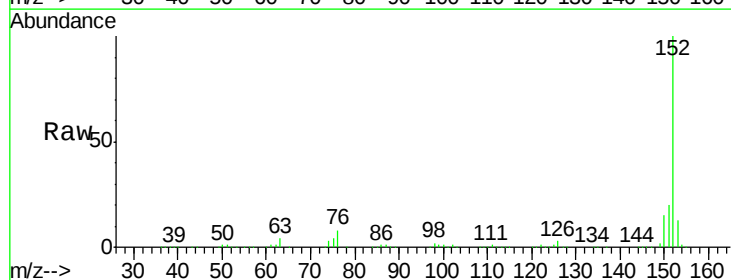
Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

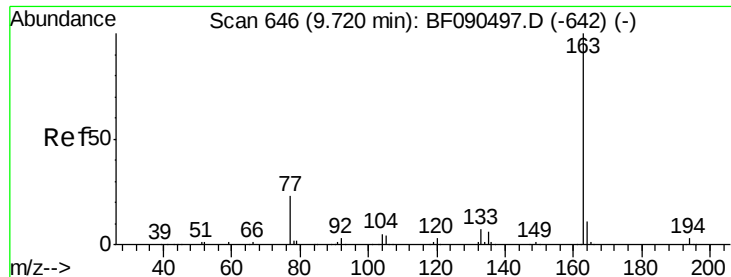
Tgt Ion: 65 Resp: 407207
Ion Ratio Lower Upper
65 100
92 69.1 51.7 77.5
138 99.2 79.0 118.4



#48
Acenaphthylene
Concen: 39.96 ng
RT: 9.87 min Scan# 659
Delta R.T. 0.01 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion: 152 Resp: 1832855
Ion Ratio Lower Upper
152 100
151 20.4 17.4 26.0
153 13.2 11.6 17.4

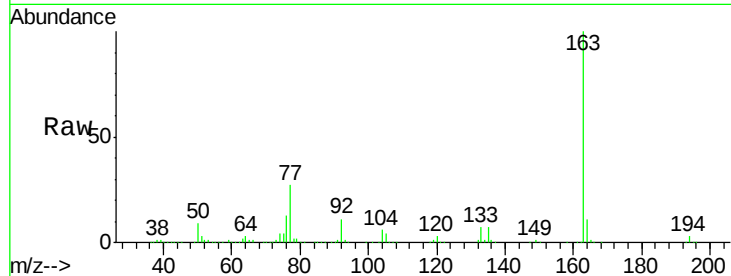




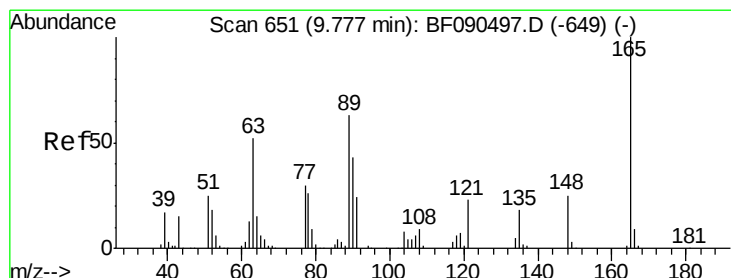
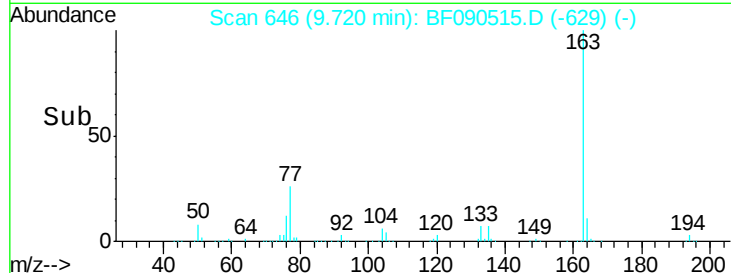
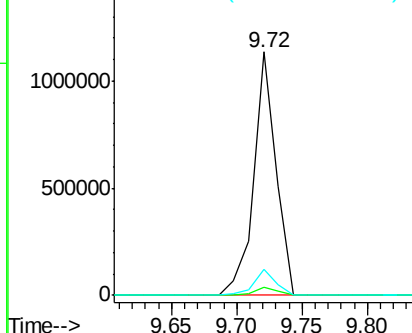
#49
Dimethylphthalate
Concen: 40.15 ng
RT: 9.72 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

Tgt Ion:163 Resp: 1350842
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.8 9.0 13.4

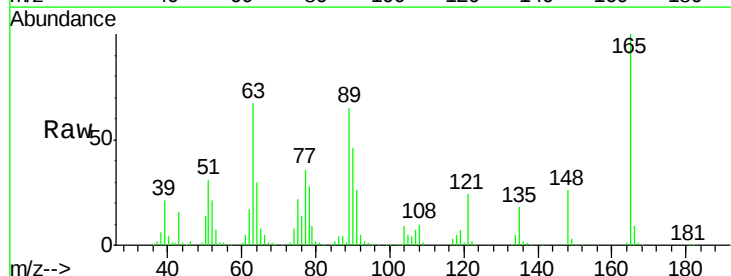


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

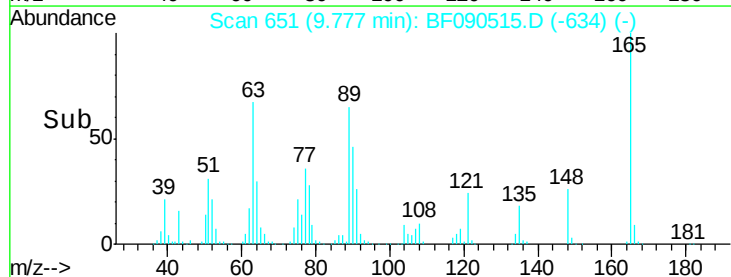
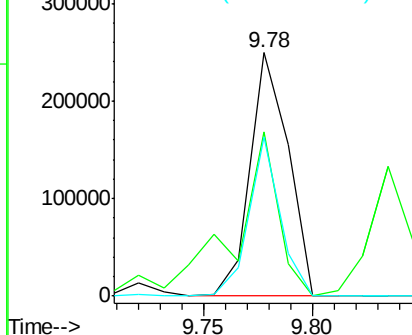


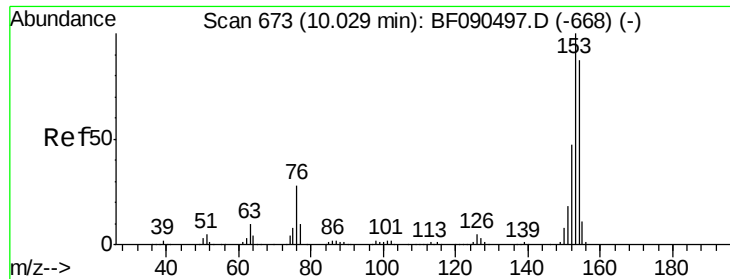
#50
2,6-Dinitrotoluene
Concen: 40.99 ng
RT: 9.78 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:165 Resp: 304485
Ion Ratio Lower Upper
165 100
63 67.4 58.0 87.0
89 65.3 51.2 76.8



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: 43.06 ng

RT: 10.04 min Scan# 674

Delta R.T. 0.01 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

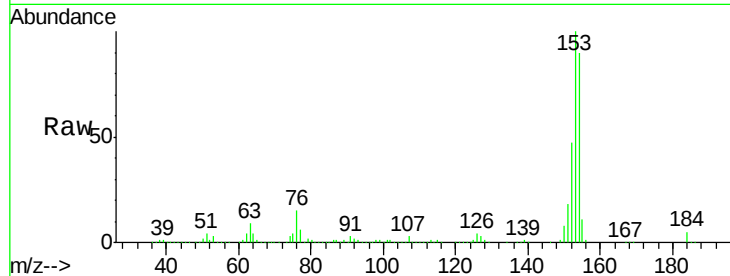
Tgt Ion:154 Resp: 1323622

Ion Ratio Lower Upper

154 100

153 110.9 88.6 133.0

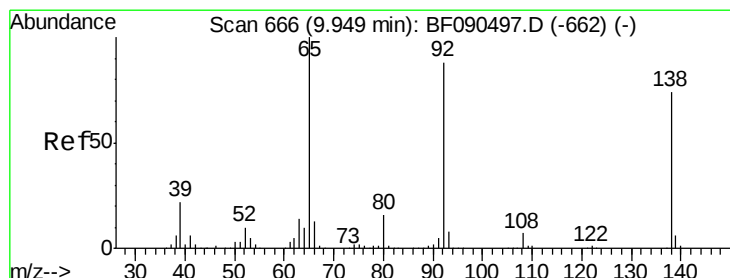
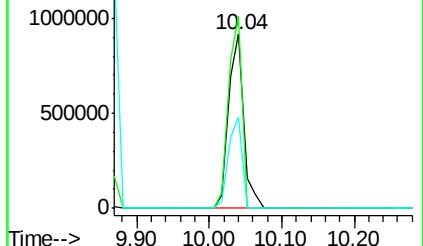
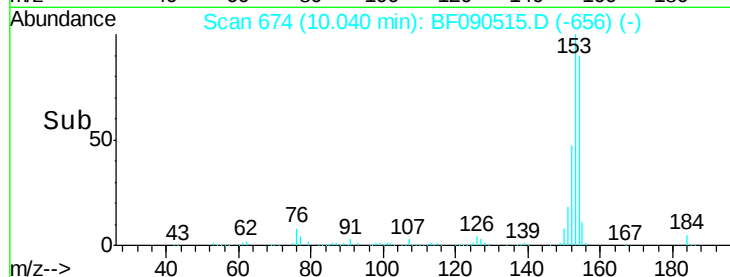
152 52.5 42.6 64.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.69 ng

RT: 9.95 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

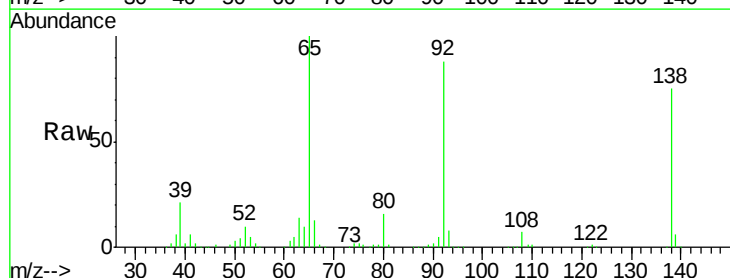
Tgt Ion:138 Resp: 246023

Ion Ratio Lower Upper

138 100

108 10.0 9.7 14.5

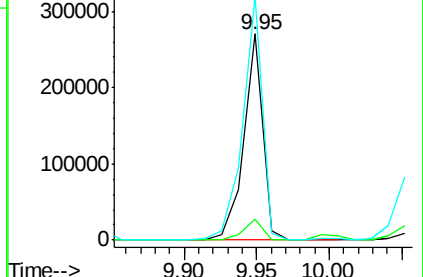
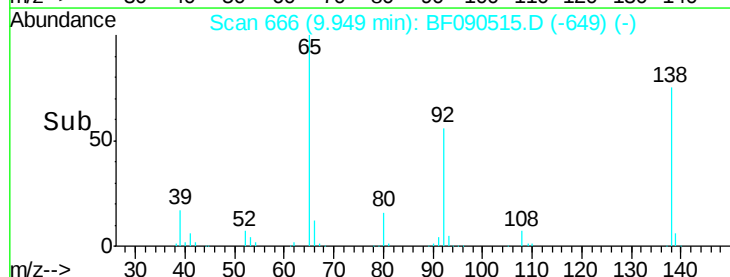
92 118.1 97.1 145.7

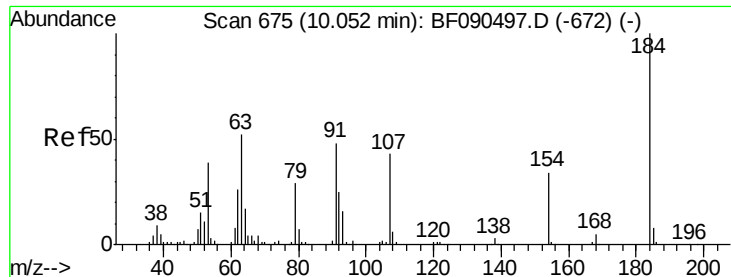


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

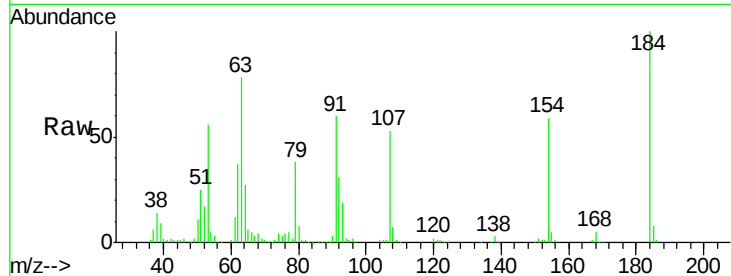




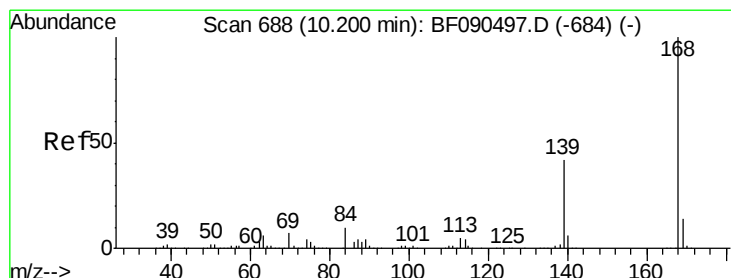
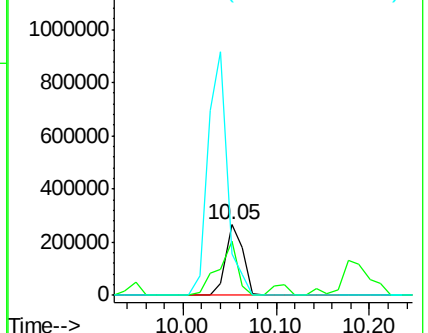
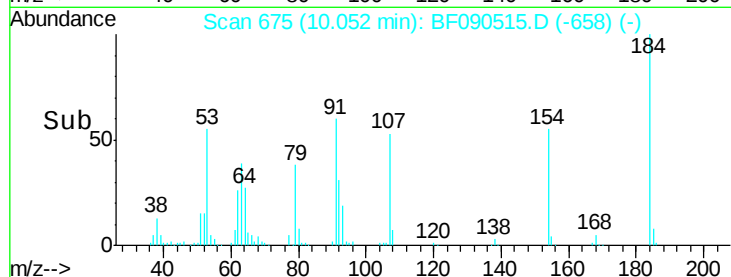
#53
2,4-Dinitrophenol
Concen: 84.04 ng
RT: 10.05 min Scan# 675
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

Tgt Ion:184 Resp: 346432
Ion Ratio Lower Upper
184 100
63 78.0 41.9 62.9#
154 58.8 48.9 73.3

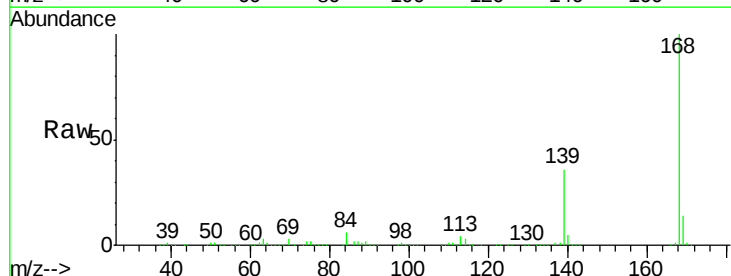


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

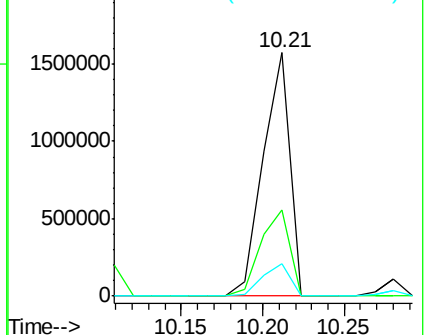
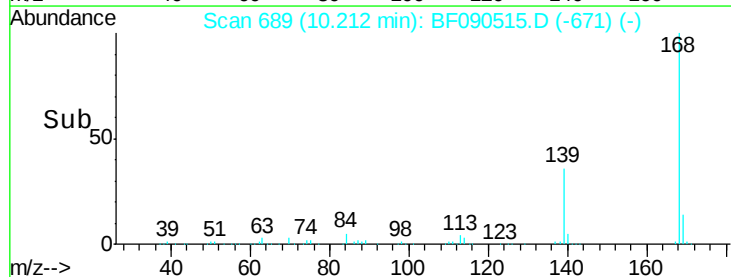


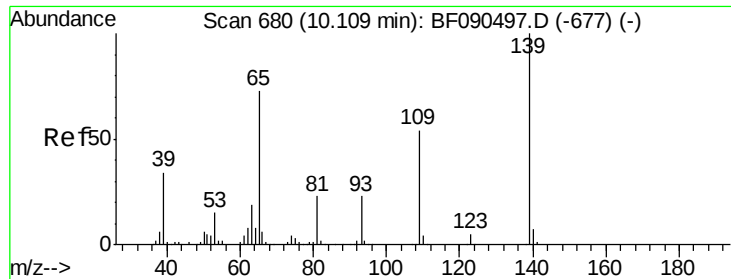
#54
Dibenzofuran
Concen: 43.73 ng
RT: 10.21 min Scan# 689
Delta R.T. 0.01 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:168 Resp: 1788591
Ion Ratio Lower Upper
168 100
139 35.6 29.6 44.4
169 13.5 11.3 16.9



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

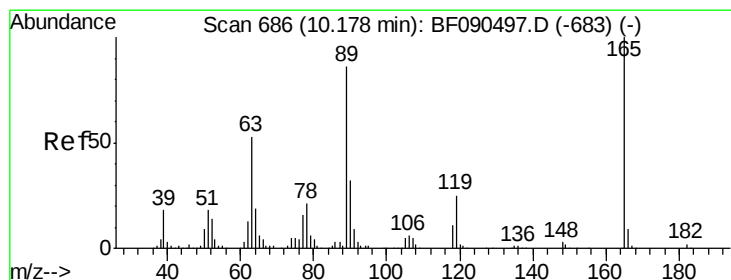
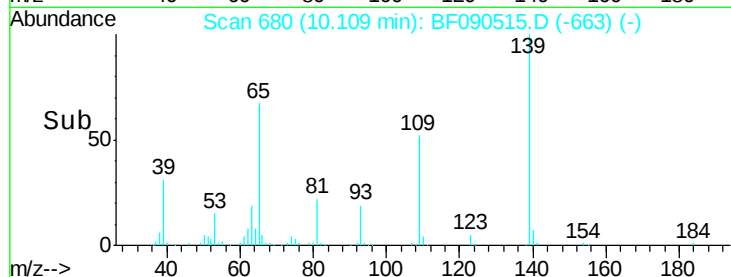
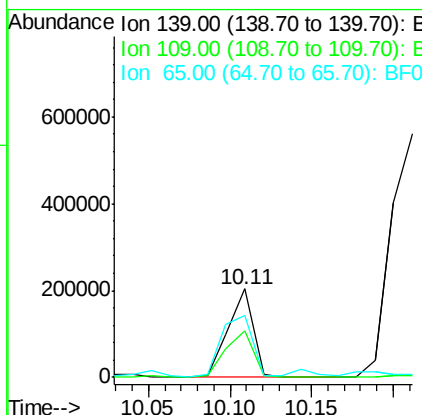
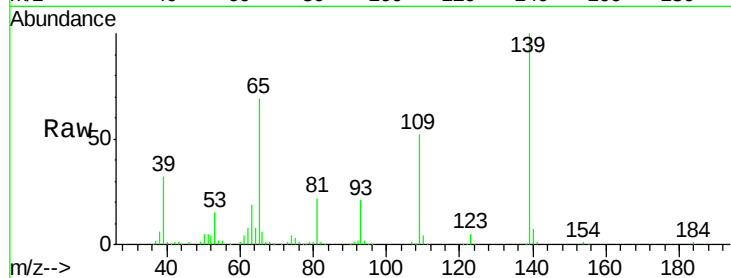




#55
4-Nitrophenol
Concen: 30.46 ng
RT: 10.11 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

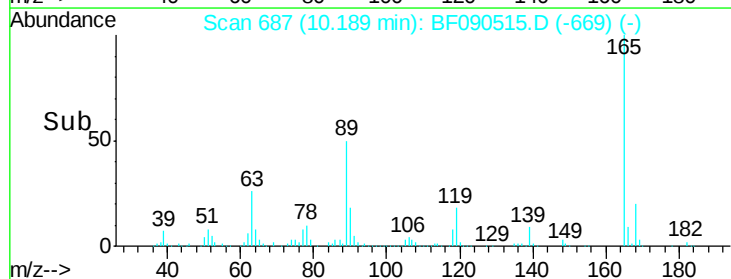
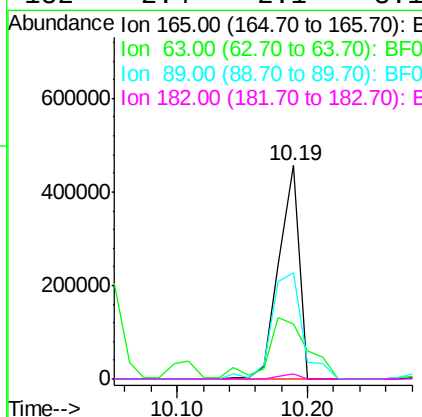
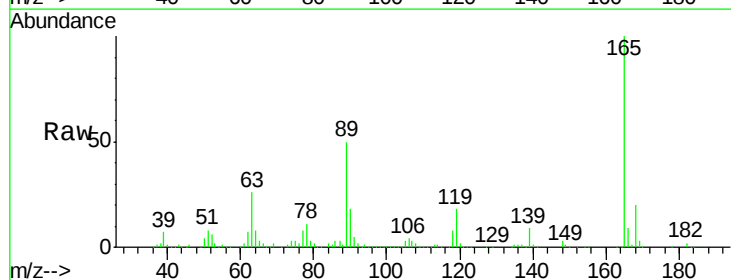
Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

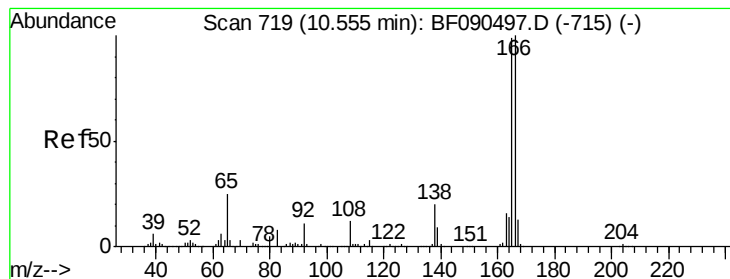
Tgt Ion:139 Resp: 218193
Ion Ratio Lower Upper
139 100
109 52.1 43.6 83.6
65 69.3 87.5 127.5#



#56
2,4-Dinitrotoluene
Concen: 51.18 ng
RT: 10.19 min Scan# 687
Delta R.T. 0.01 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:165 Resp: 502818
Ion Ratio Lower Upper
165 100
63 25.6 17.8 26.6
89 50.0 33.2 49.8#
182 2.4 2.1 3.1





#57

Fluorene

Concen: 42.80 ng

RT: 10.55 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

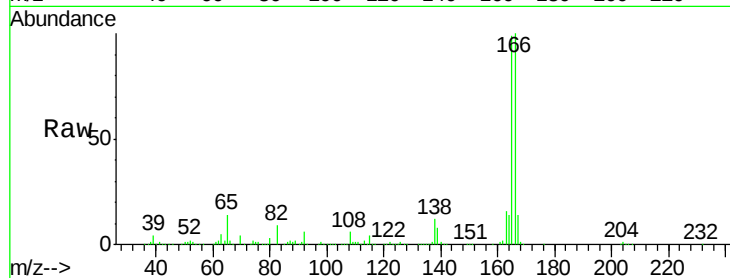
Tgt Ion:166 Resp: 1429246

Ion Ratio Lower Upper

166 100

165 98.9 79.2 118.8

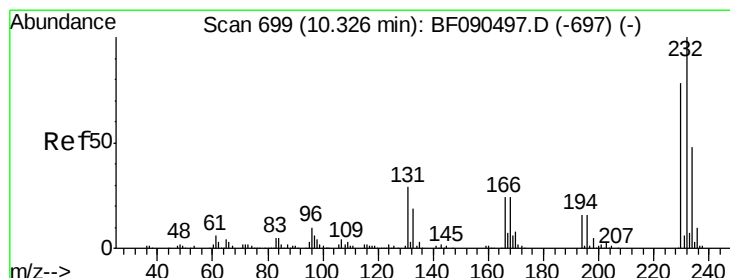
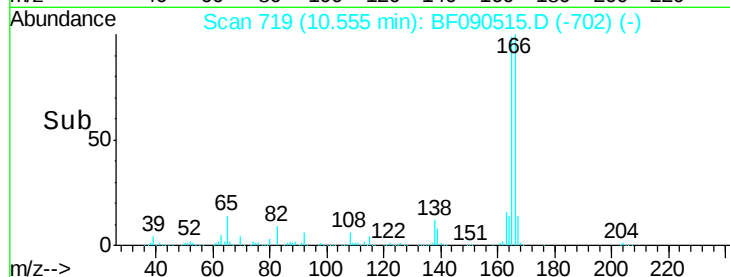
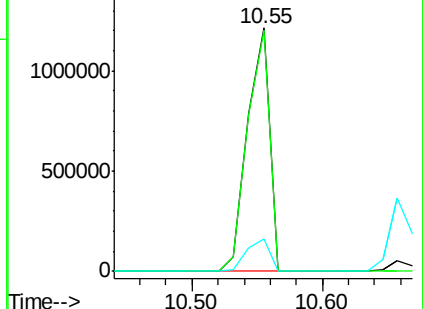
167 13.5 11.1 16.7



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: 47.13 ng

RT: 10.33 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Tgt Ion:232 Resp: 367365

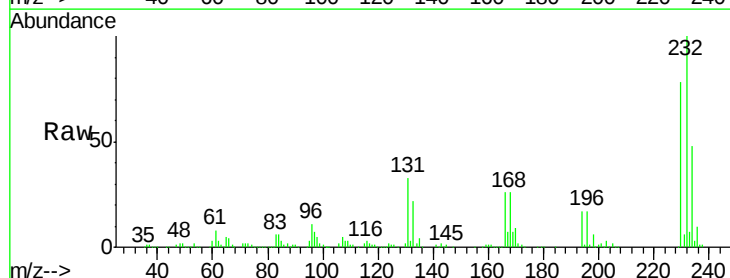
Ion Ratio Lower Upper

232 100

131 44.0 34.5 51.7

130 2.0 1.6 2.4

166 31.0 23.8 35.8

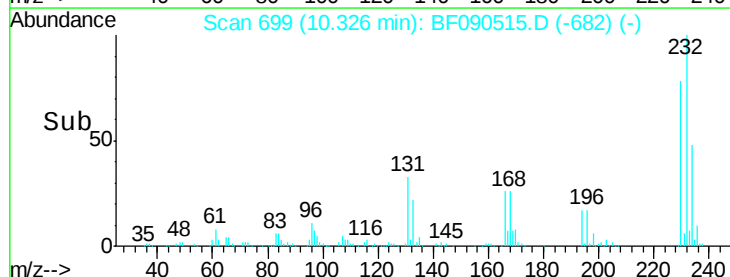
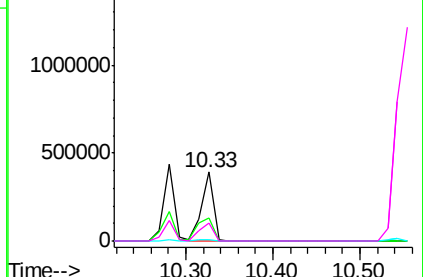


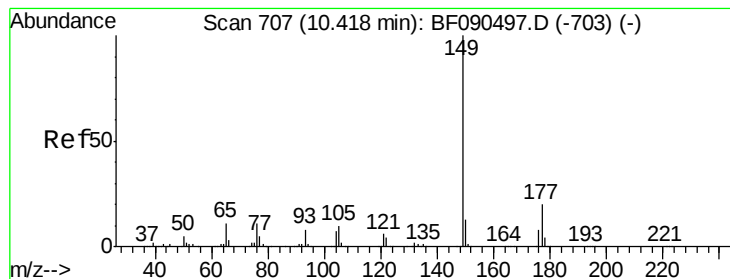
Abundance Ion 232.00 (231.70 to 232.70): E

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: 43.56 ng

RT: 10.42 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

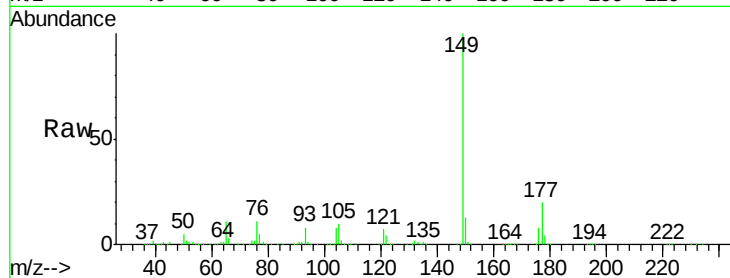
Tgt Ion:149 Resp: 1490487

Ion Ratio Lower Upper

149 100

177 20.5 21.1 31.7#

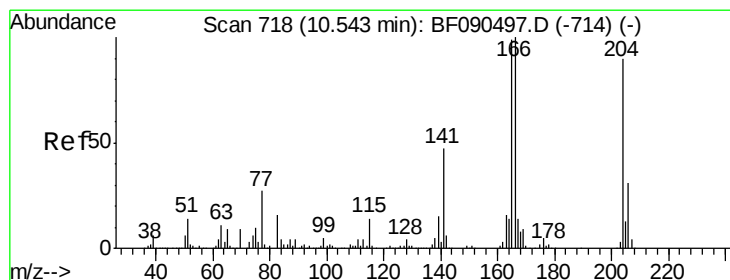
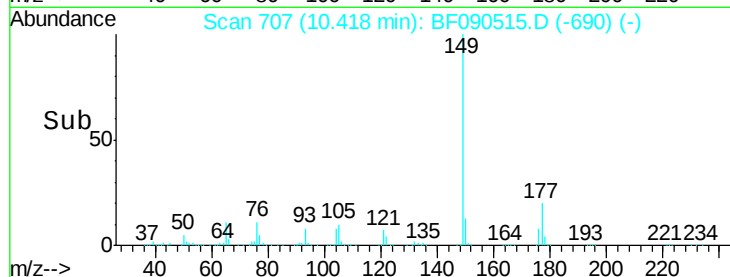
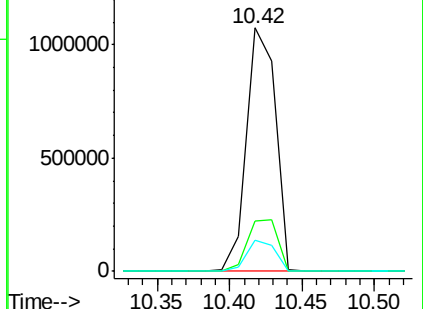
150 13.0 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.76 ng

RT: 10.54 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

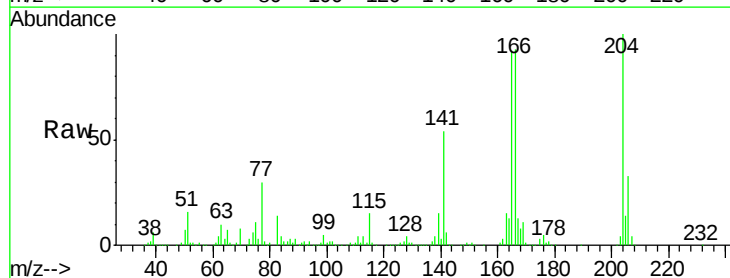
Tgt Ion:204 Resp: 720400

Ion Ratio Lower Upper

204 100

206 33.5 26.7 40.1

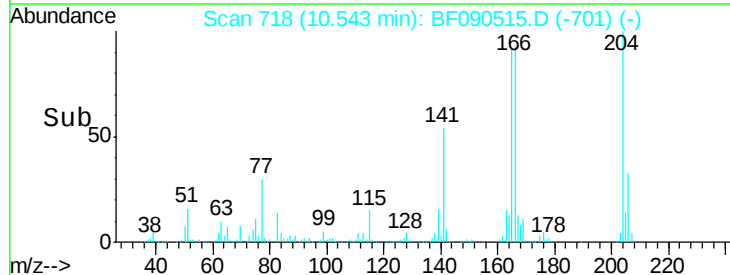
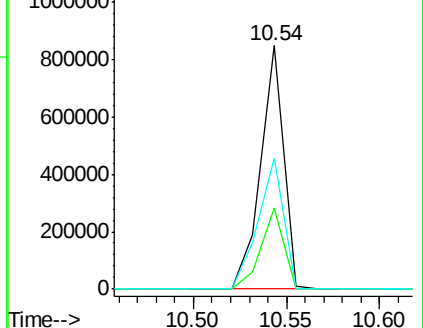
141 53.7 51.7 77.5

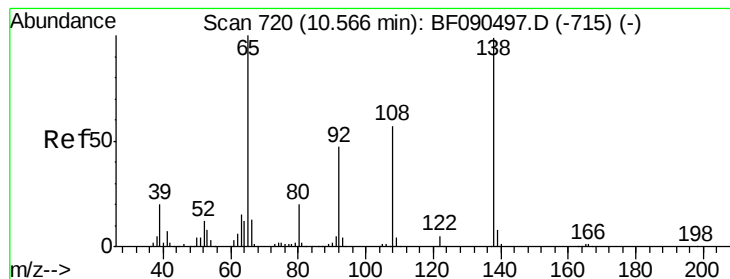


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.16 ng

RT: 10.57 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

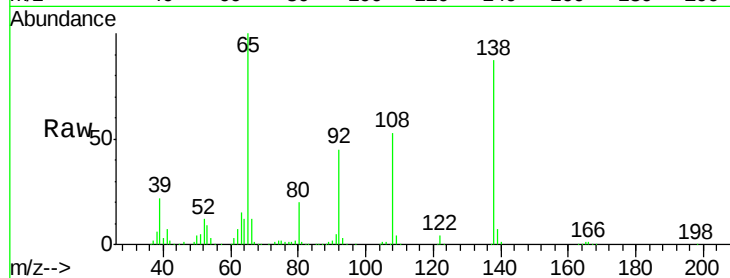
Tgt Ion:138 Resp: 340046

Ion Ratio Lower Upper

138 100

92 52.0 33.2 73.2

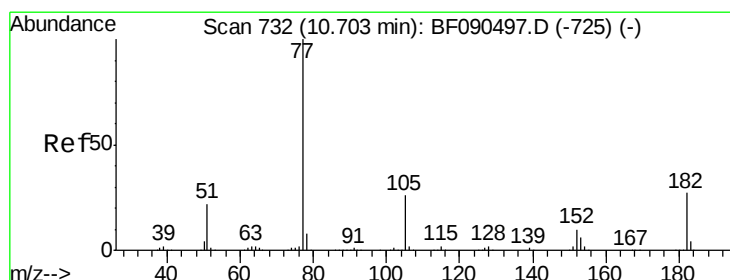
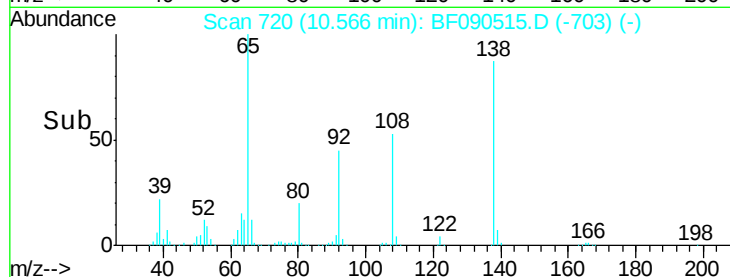
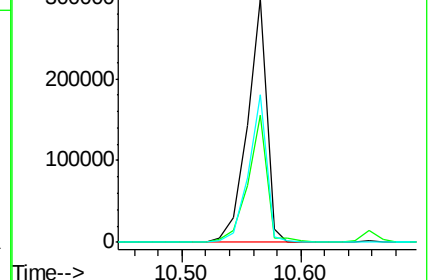
108 60.9 48.5 88.5



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: 44.44 ng

RT: 10.70 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Tgt Ion: 77 Resp: 1660468

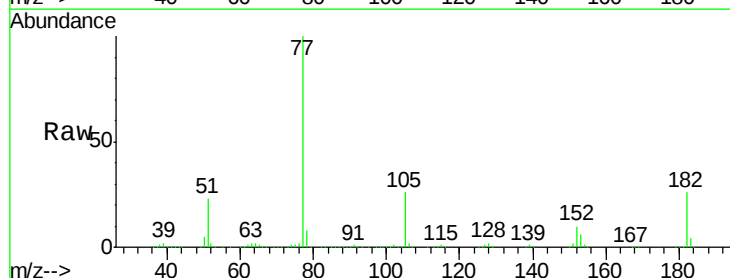
Ion Ratio Lower Upper

77 100

182 26.0 3.2 43.2

105 25.6 2.9 42.9

51 22.9 14.2 54.2

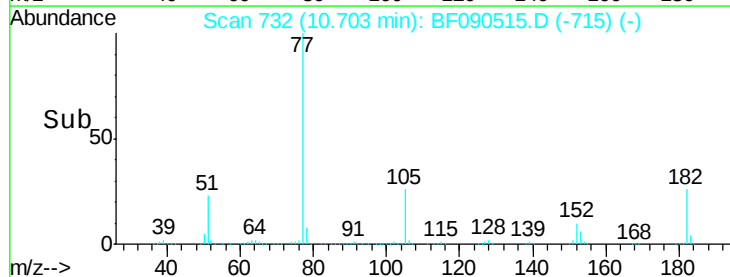
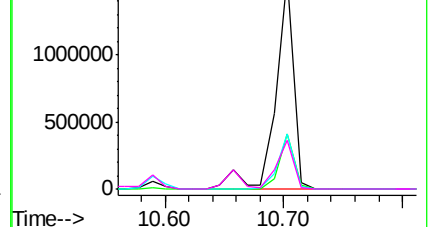


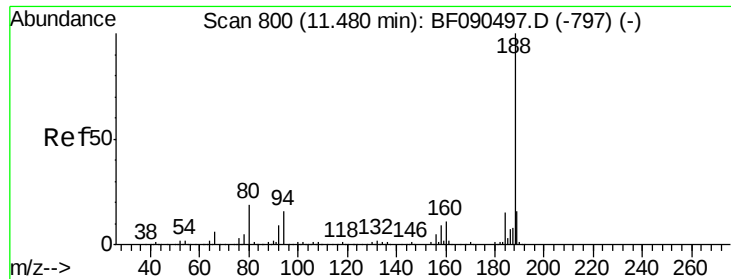
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

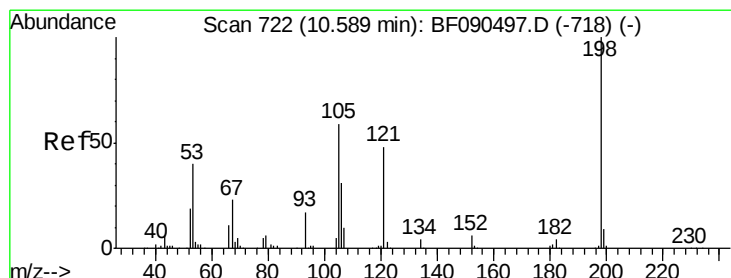
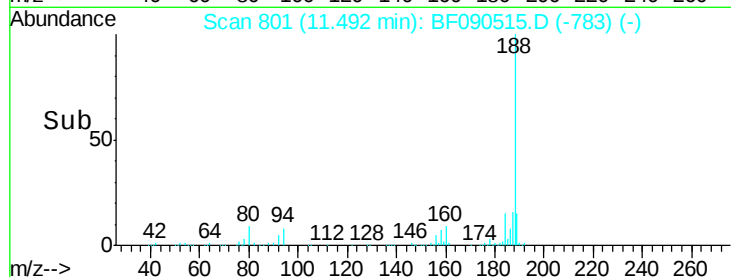
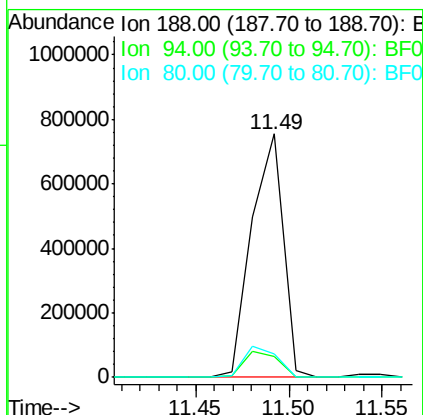
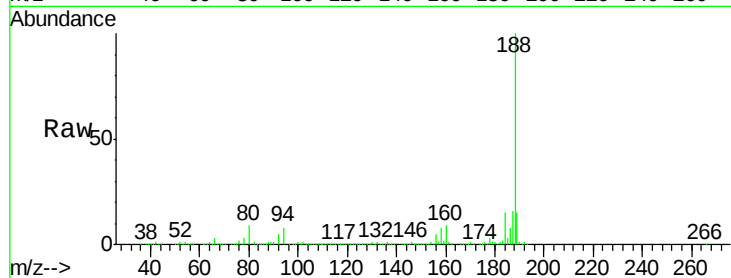




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

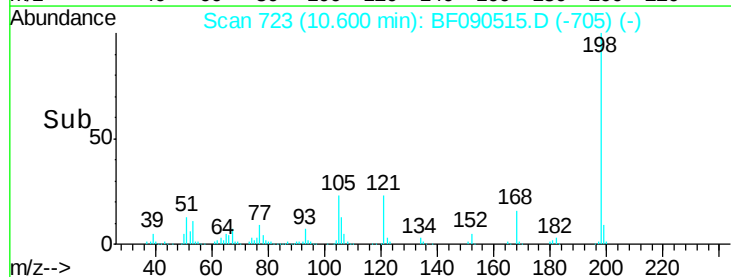
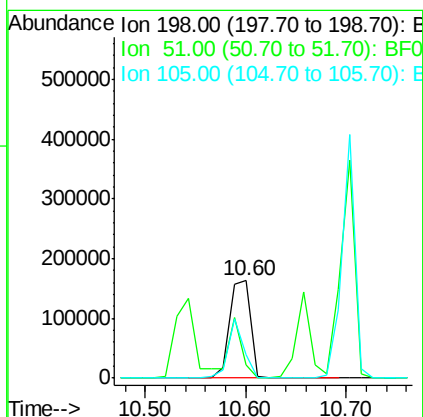
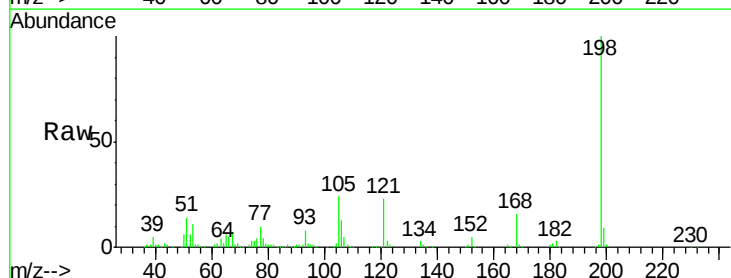
Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

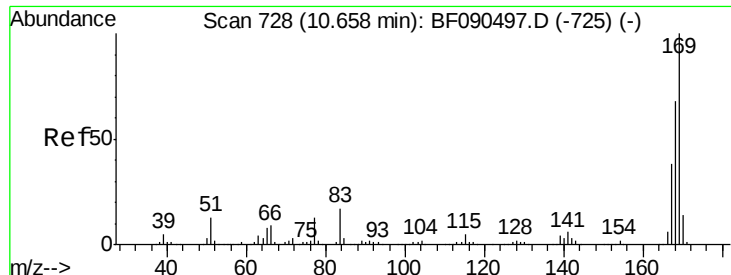
Tgt Ion:188 Resp: 888180
Ion Ratio Lower Upper
188 100
94 8.5 8.2 12.2
80 9.4 8.8 13.2



#64
4,6-Dinitro-2-methylphenol
Concen: 39.85 ng
RT: 10.60 min Scan# 723
Delta R.T. 0.01 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:198 Resp: 236377
Ion Ratio Lower Upper
198 100
51 13.7 67.3 107.3#
105 24.2 42.6 82.6#

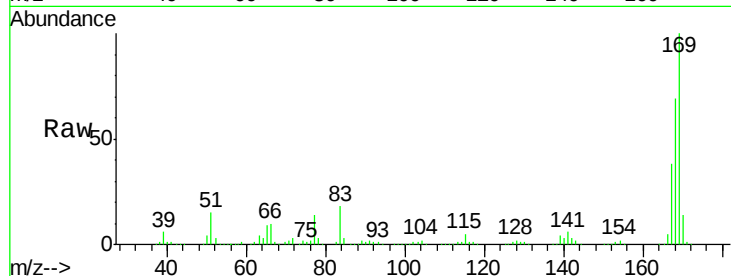




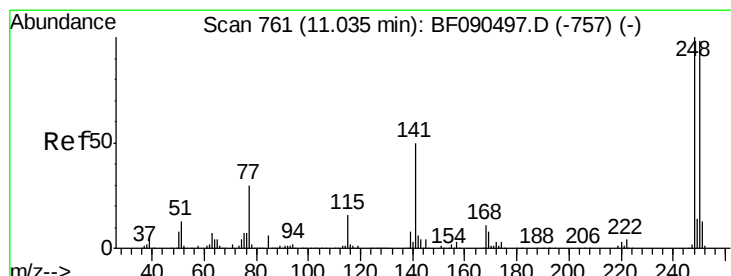
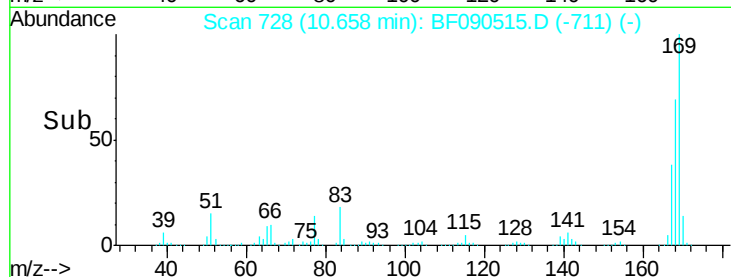
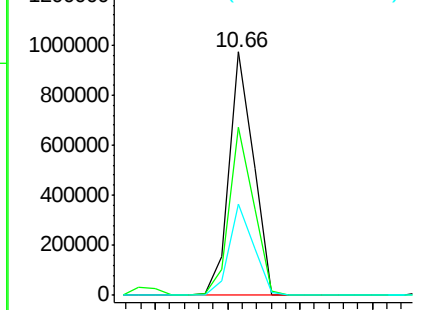
#65
 n-Nitrosodiphenylamine
 Concen: 39.21 ng
 RT: 10.66 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

Tgt Ion:169 Resp: 1132430
 Ion Ratio Lower Upper
 169 100
 168 68.8 53.8 80.6
 167 37.5 29.8 44.8

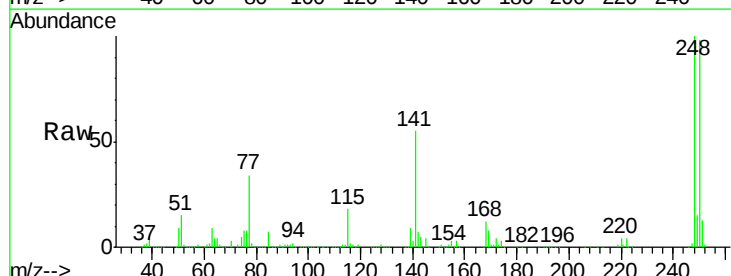


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

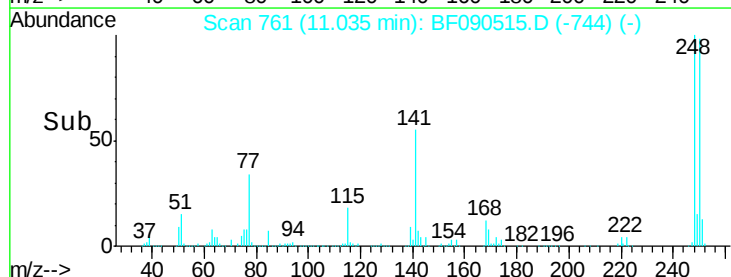
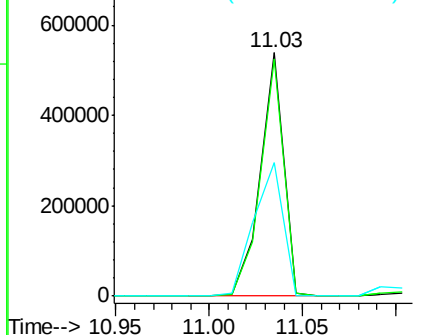


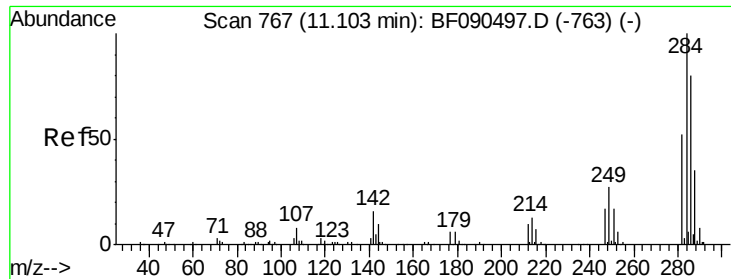
#66
 4-Bromophenyl-phenylether
 Concen: 47.02 ng
 RT: 11.03 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion:248 Resp: 462789
 Ion Ratio Lower Upper
 248 100
 250 97.6 76.5 114.7
 141 54.7 59.8 89.6#



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

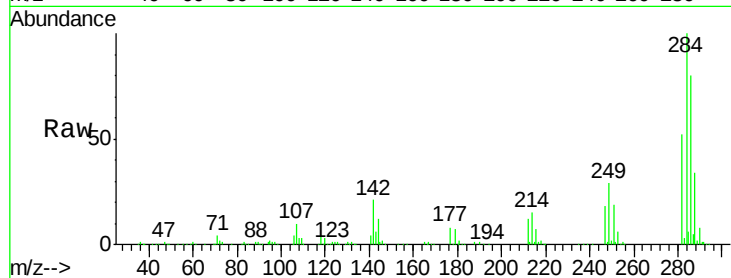




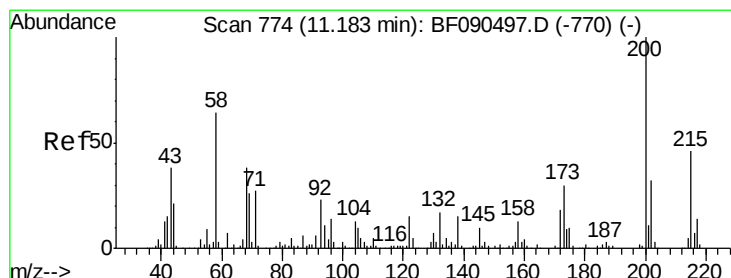
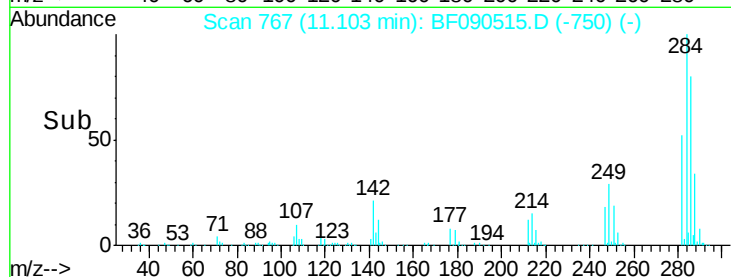
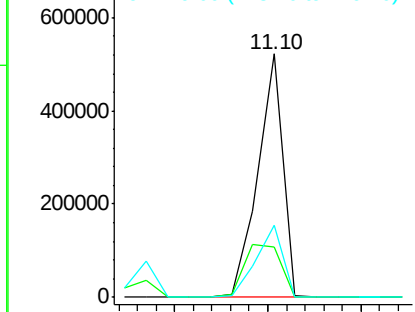
#67
Hexachlorobenzene
Concen: 45.31 ng
RT: 11.10 min Scan# 767
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

Tgt Ion:284 Resp: 492569
Ion Ratio Lower Upper
284 100
142 20.7 23.1 34.7#
249 29.4 26.3 39.5

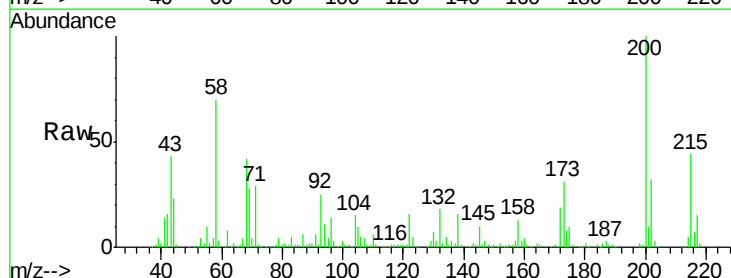


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

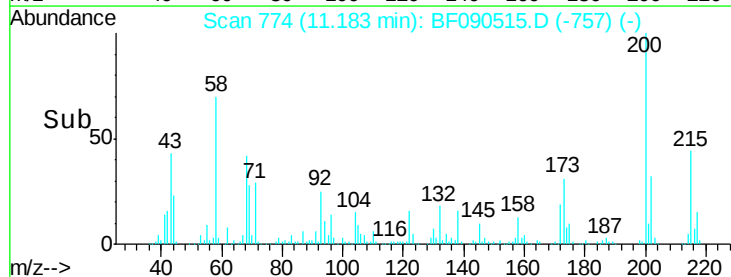
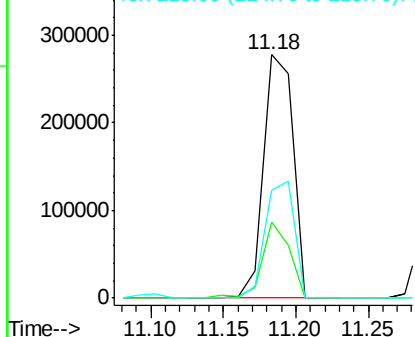


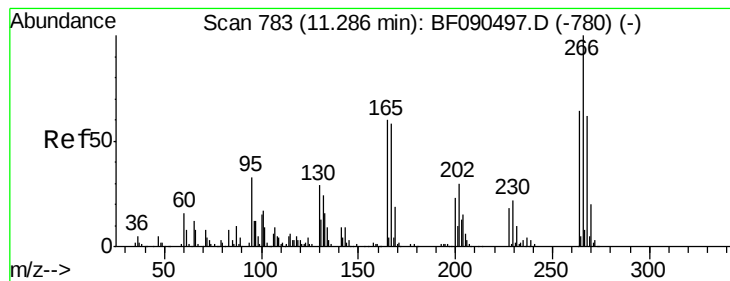
#68
Atrazine
Concen: 43.65 ng
RT: 11.18 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:200 Resp: 390184
Ion Ratio Lower Upper
200 100
173 31.0 9.0 49.0
215 44.3 24.8 64.8



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: 91.37 ng

RT: 11.30 min Scan# 784

Delta R.T. 0.01 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

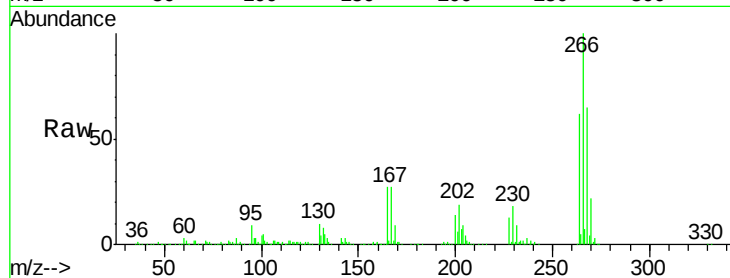
Tgt Ion:266 Resp: 591084

Ion Ratio Lower Upper

266 100

268 65.2 50.9 76.3

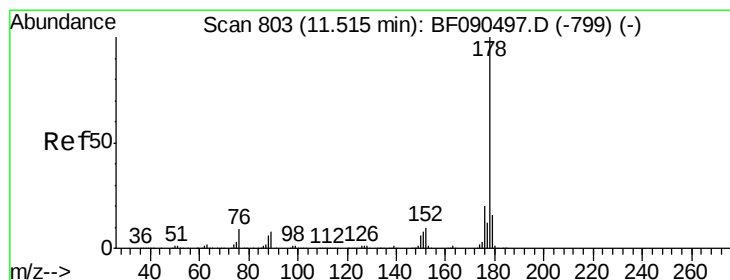
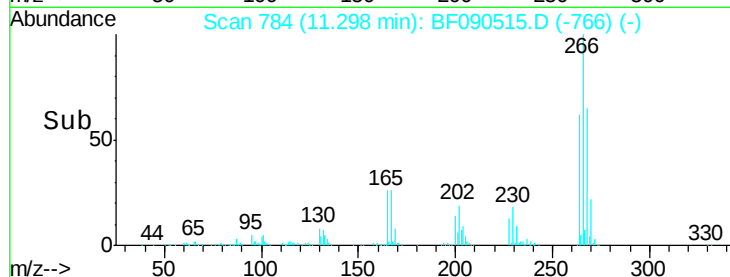
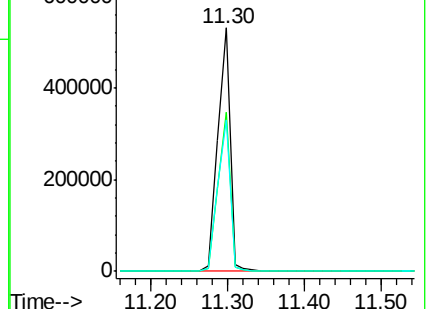
264 62.4 51.5 77.3



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: 41.65 ng

RT: 11.51 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

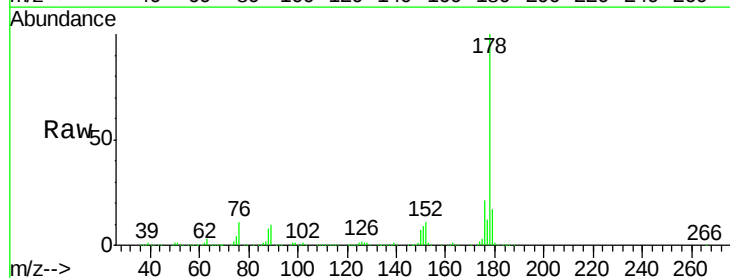
Tgt Ion:178 Resp: 2038586

Ion Ratio Lower Upper

178 100

176 21.4 17.3 25.9

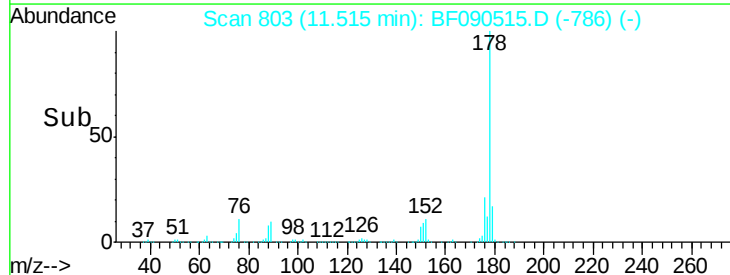
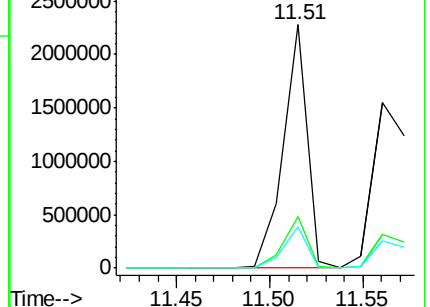
179 16.8 13.8 20.6

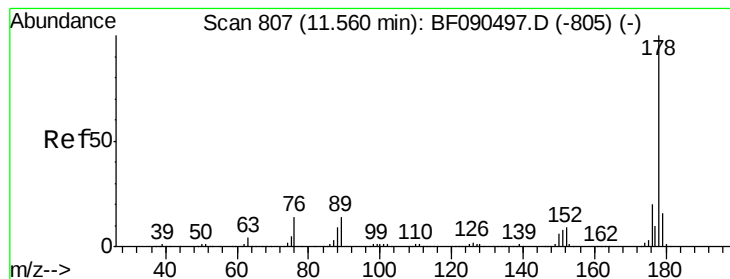


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 40.26 ng

RT: 11.56 min Scan# 807

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

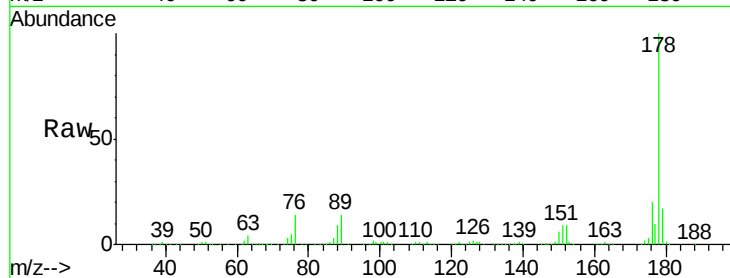
Tgt Ion:178 Resp: 1996683

Ion Ratio Lower Upper

178 100

176 20.1 16.8 25.2

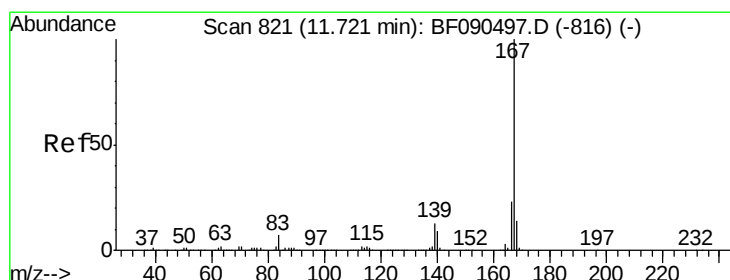
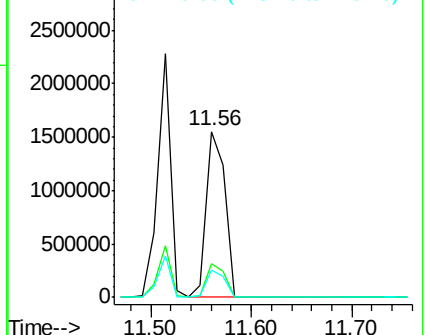
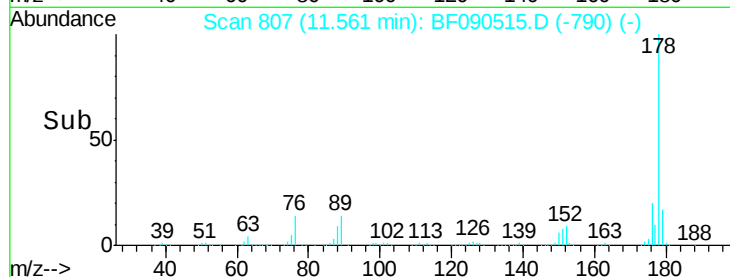
179 16.7 13.4 20.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 43.63 ng

RT: 11.72 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

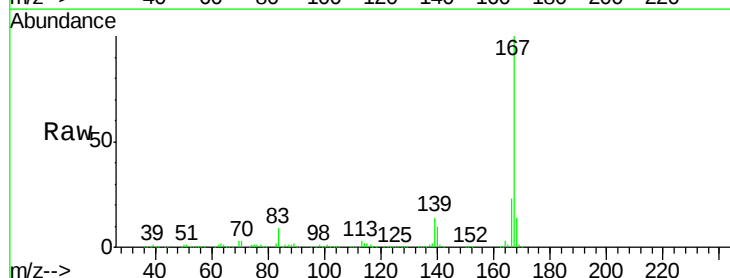
Tgt Ion:167 Resp: 2043343

Ion Ratio Lower Upper

167 100

166 23.3 19.1 28.7

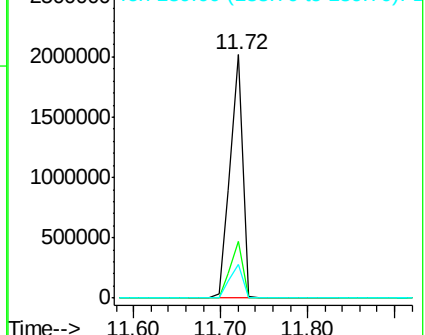
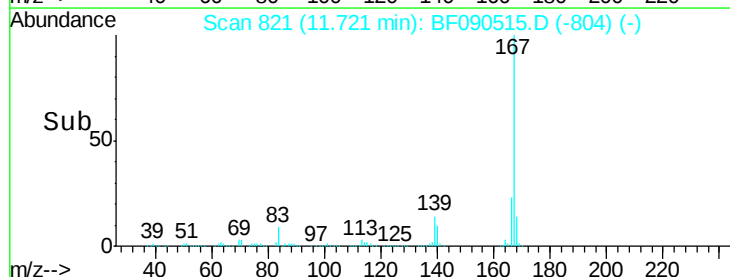
139 13.8 12.1 18.1

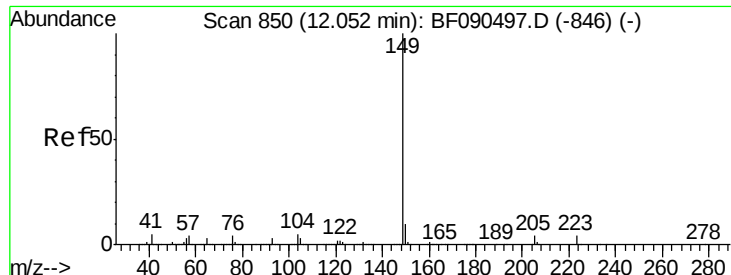


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 44.86 ng

RT: 12.05 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

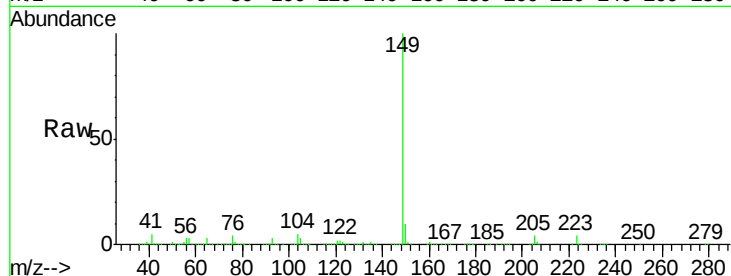
Tgt Ion:149 Resp: 2530326

Ion Ratio Lower Upper

149 100

150 10.2 8.6 12.8

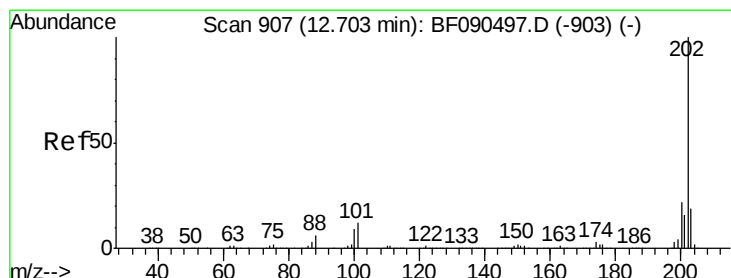
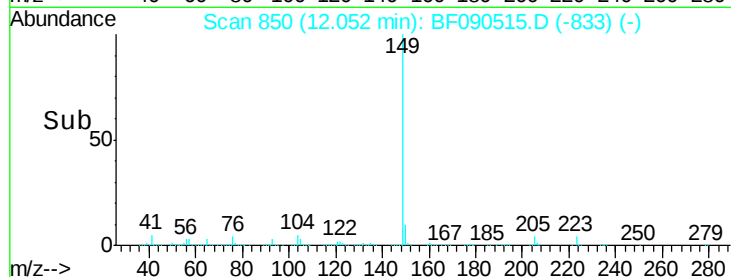
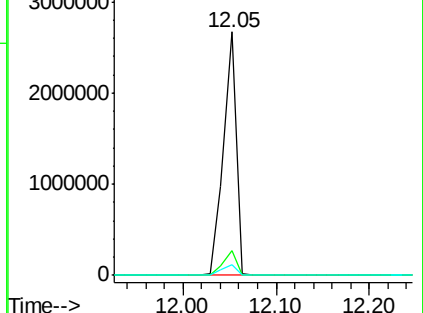
104 4.6 4.7 7.1#



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: 43.08 ng

RT: 12.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

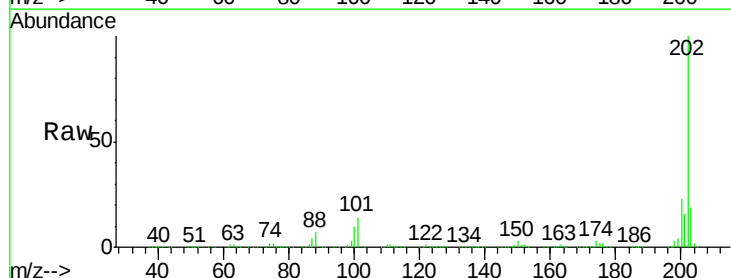
Tgt Ion:202 Resp: 2152461

Ion Ratio Lower Upper

202 100

101 13.8 0.0 37.2

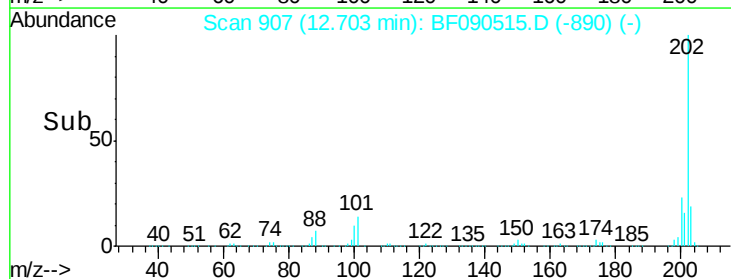
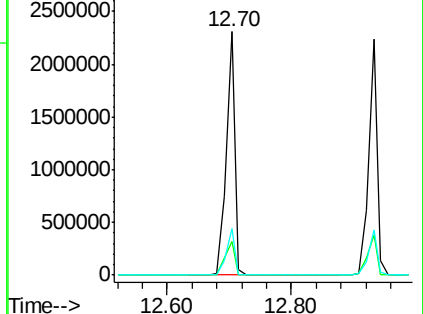
203 18.9 0.0 39.3

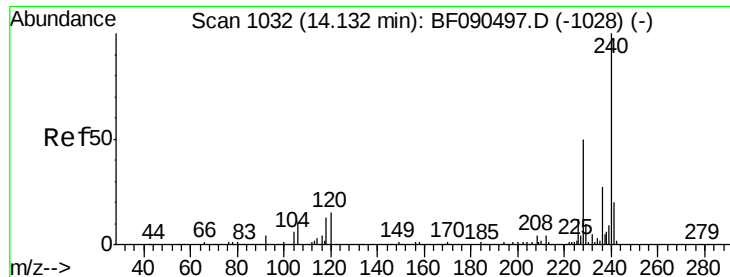


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.13 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

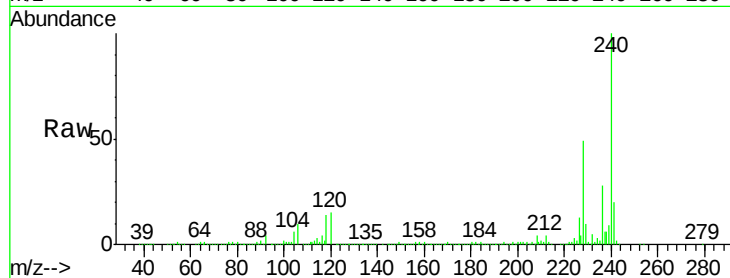
Tgt Ion:240 Resp: 794885

Ion Ratio Lower Upper

240 100

120 14.6 8.6 13.0#

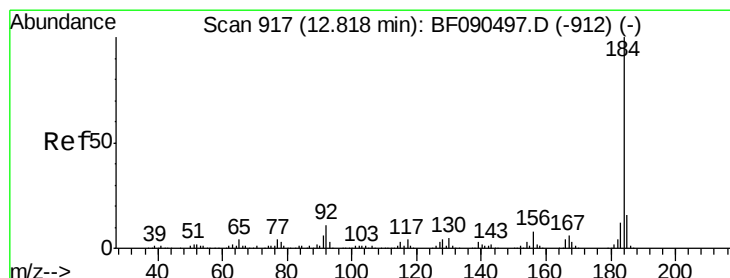
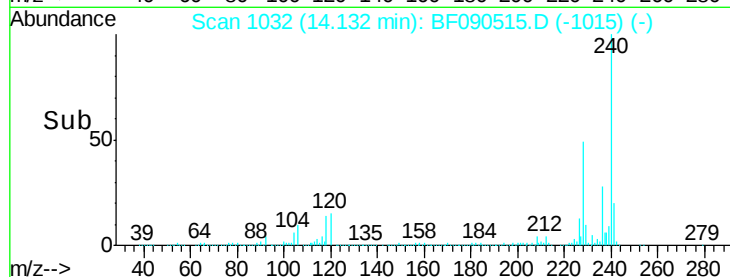
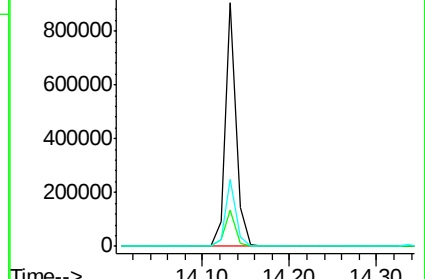
236 27.6 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 27.17 ng

RT: 12.82 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

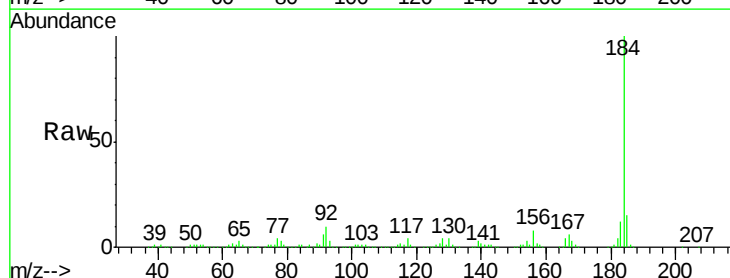
Tgt Ion:184 Resp: 678840

Ion Ratio Lower Upper

184 100

185 15.1 11.8 17.8

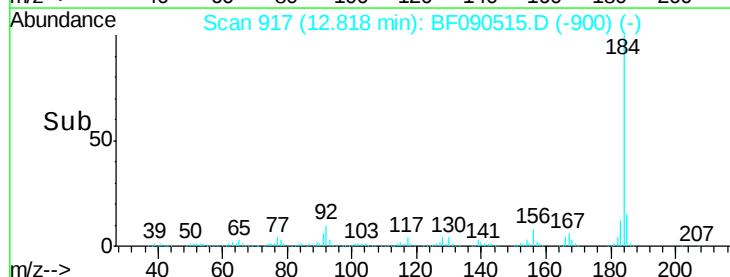
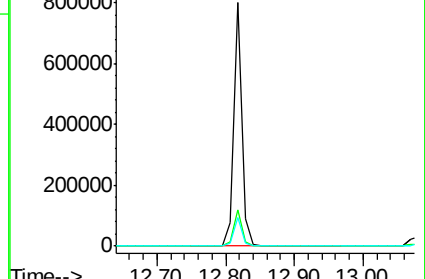
183 11.9 9.6 14.4

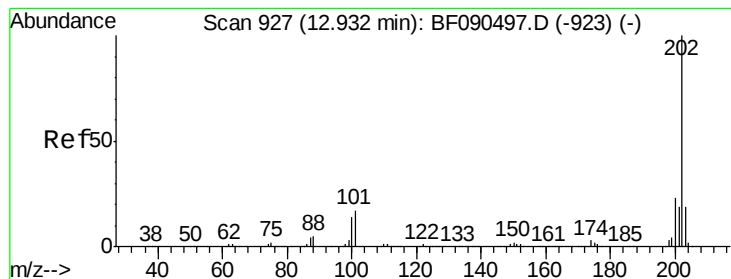


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 41.67 ng

RT: 12.93 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

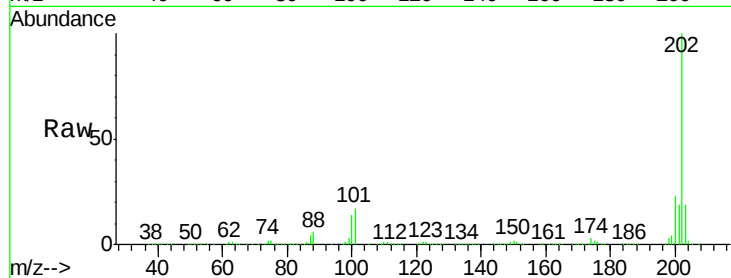
Tgt Ion:202 Resp: 2073145

Ion Ratio Lower Upper

202 100

200 23.3 18.5 27.7

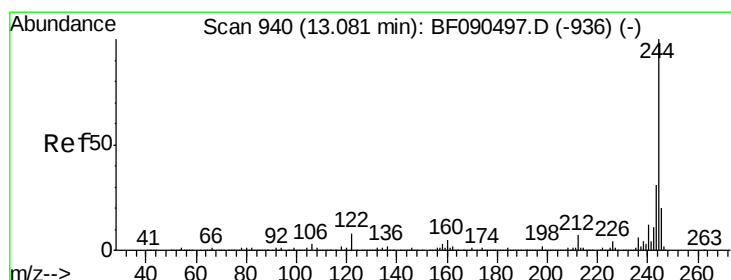
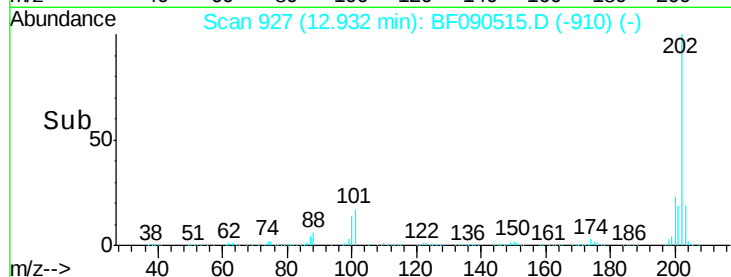
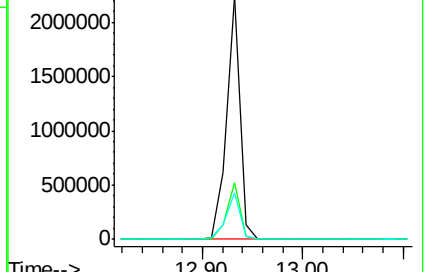
203 18.9 15.0 22.6



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: 93.91 ng

RT: 13.08 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

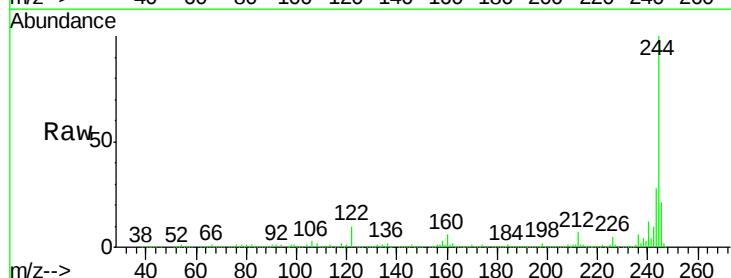
Tgt Ion:244 Resp: 3054590

Ion Ratio Lower Upper

244 100

212 7.2 6.8 10.2

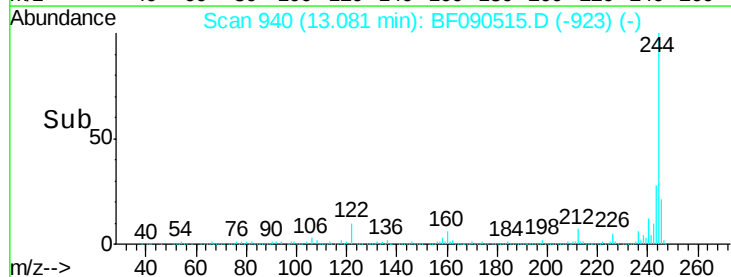
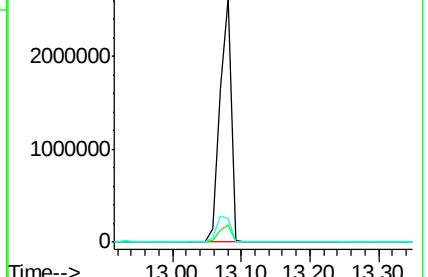
122 9.7 13.3 19.9#

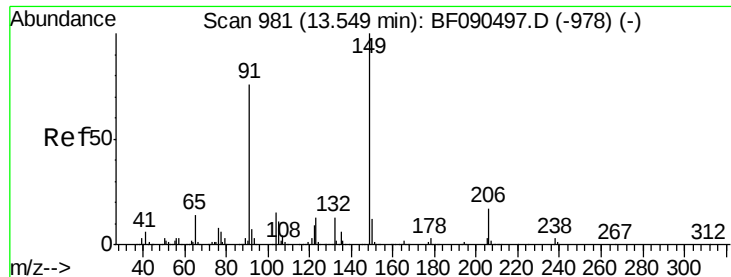


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

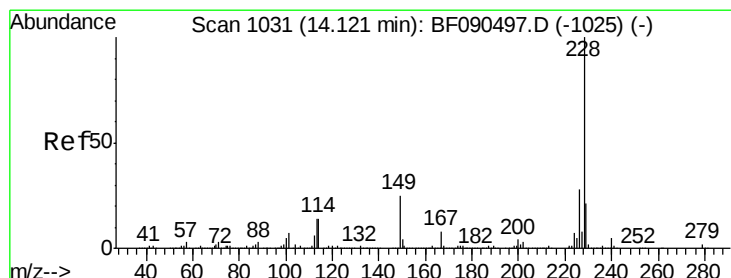
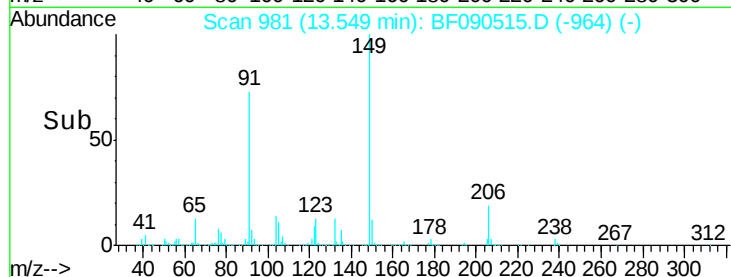
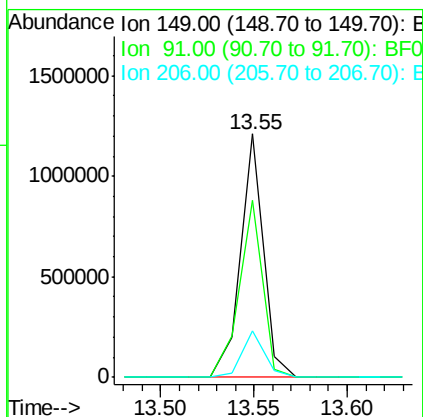
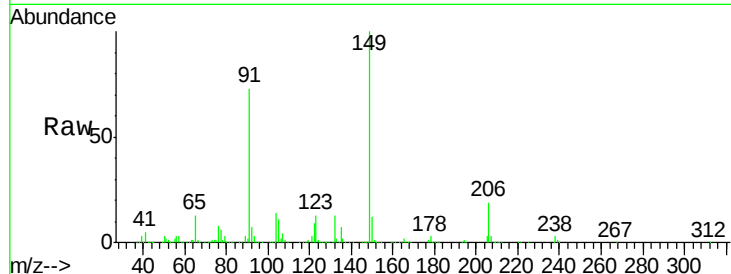




#79
Butylbenzylphthalate
Concen: 44.80 ng
RT: 13.55 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

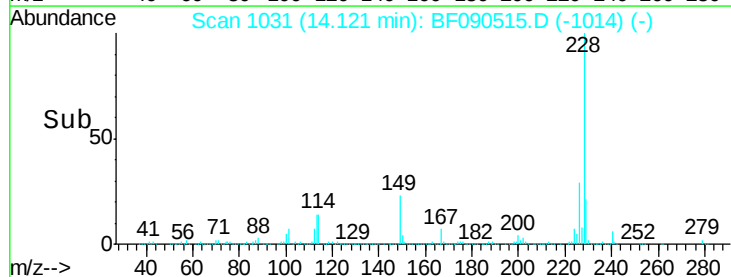
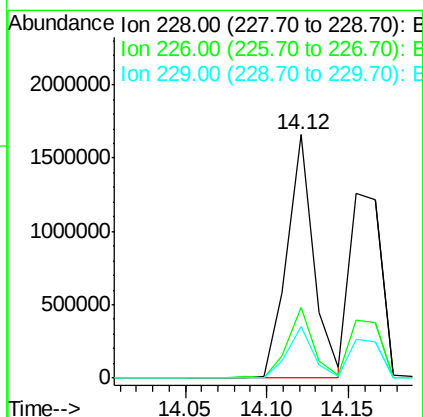
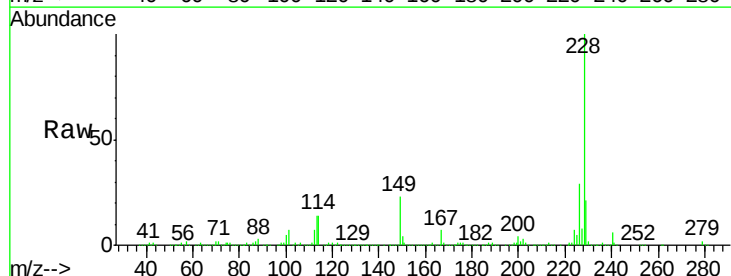
Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

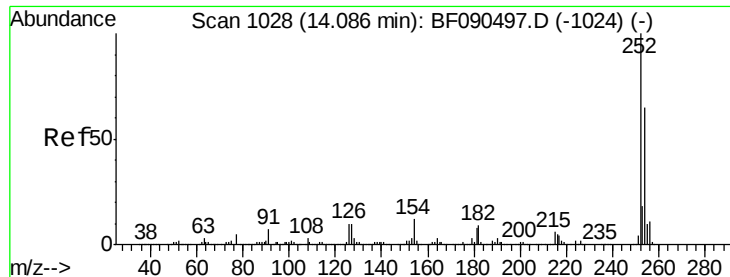
Tgt Ion:149 Resp: 1043556
Ion Ratio Lower Upper
149 100
91 72.7 51.8 77.8
206 18.9 18.0 27.0



#80
Benzo(a)anthracene
Concen: 40.12 ng
RT: 14.12 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF090515.D
Acq: 11 Oct 2016 21:19

Tgt Ion:228 Resp: 1900655
Ion Ratio Lower Upper
228 100
226 29.0 23.6 35.4
229 21.0 16.6 25.0

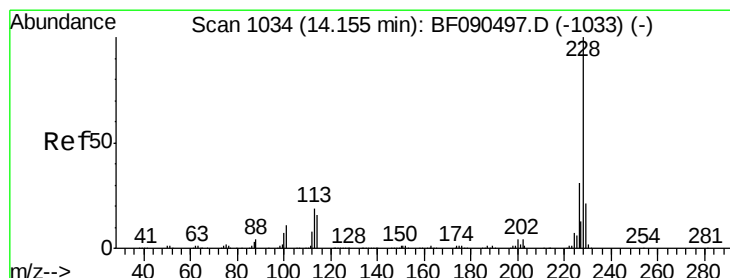
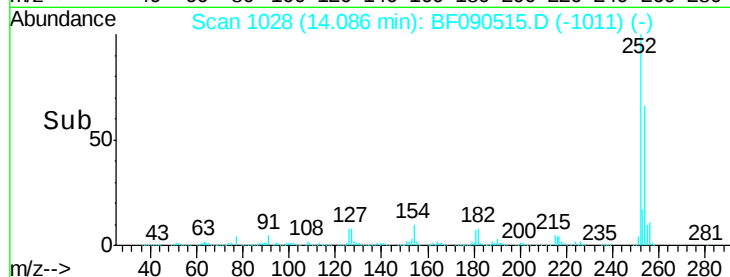
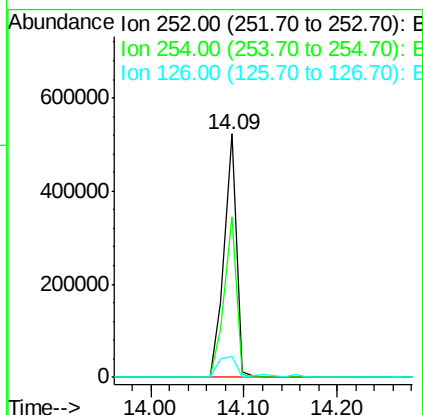
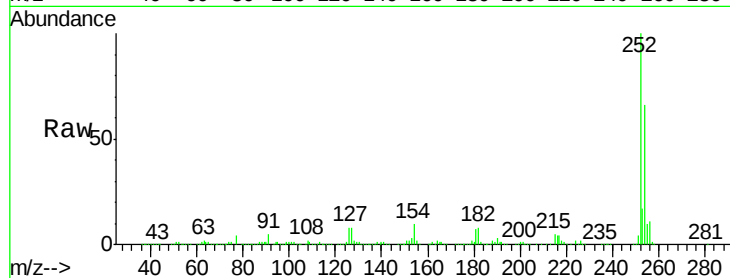




#81
 3,3'-Dichlorobenzidine
 Concen: 28.26 ng
 RT: 14.09 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

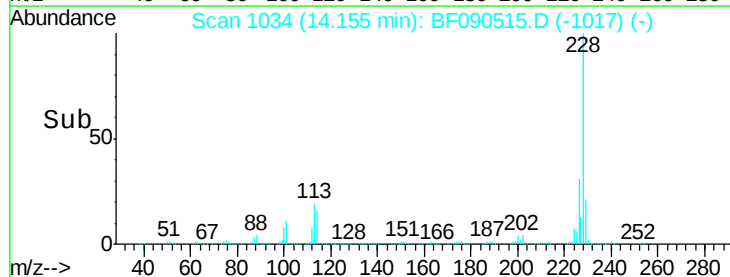
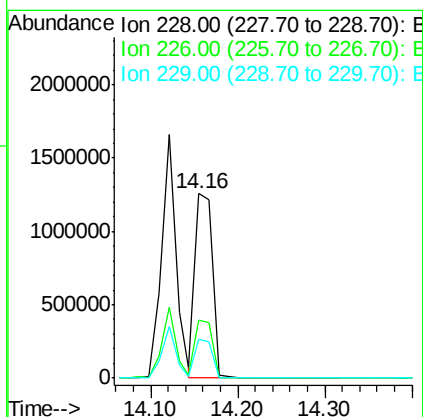
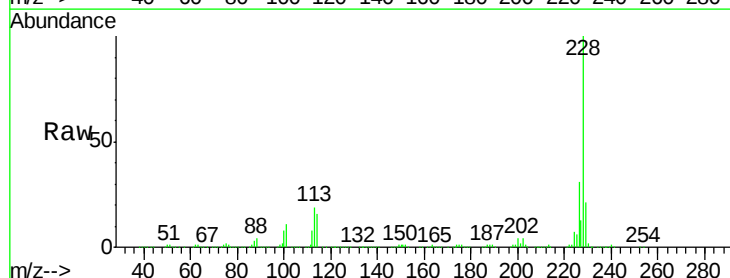
Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

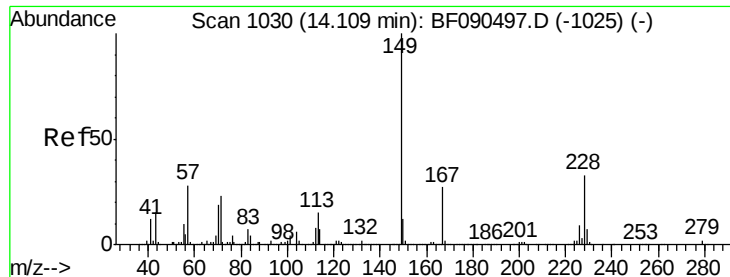
Tgt Ion:252 Resp: 481810
 Ion Ratio Lower Upper
 252 100
 254 66.0 52.1 78.1
 126 8.5 4.2 6.4#



#82
 Chrysene
 Concen: 39.14 ng
 RT: 14.16 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion:228 Resp: 1725884
 Ion Ratio Lower Upper
 228 100
 226 31.5 25.8 38.6
 229 20.9 16.9 25.3

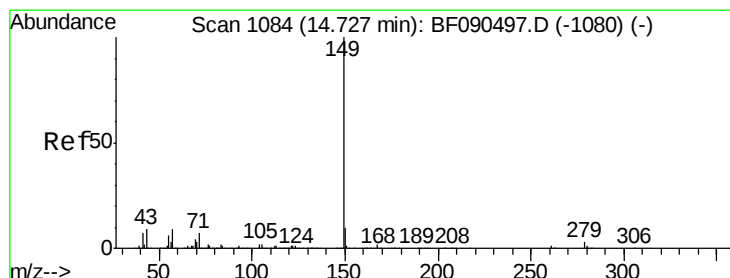
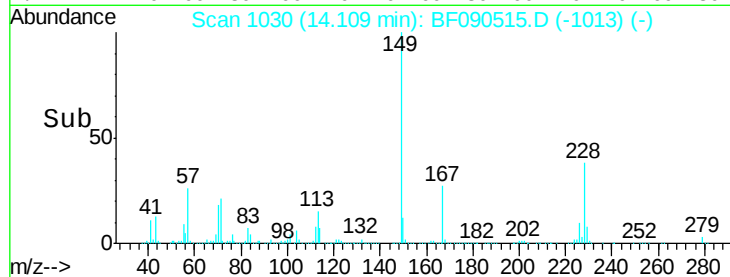
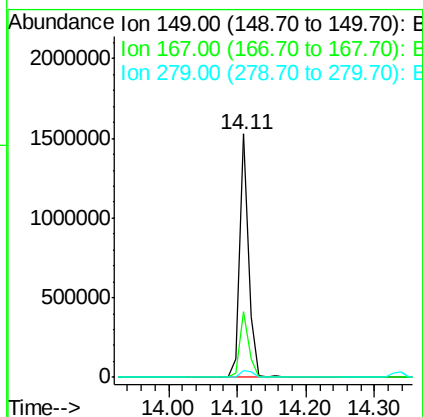
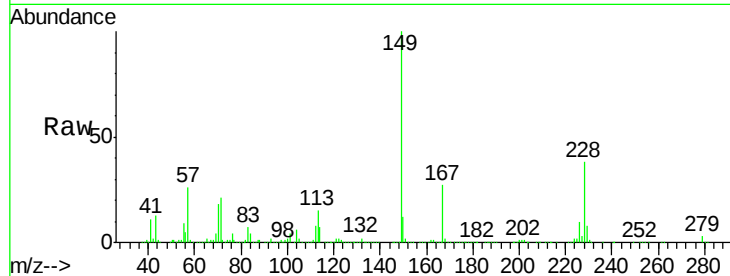




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.32 ng
 RT: 14.11 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

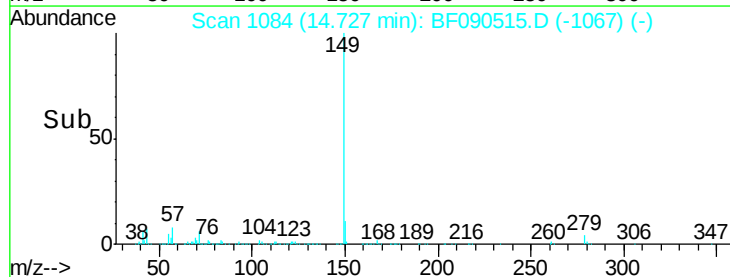
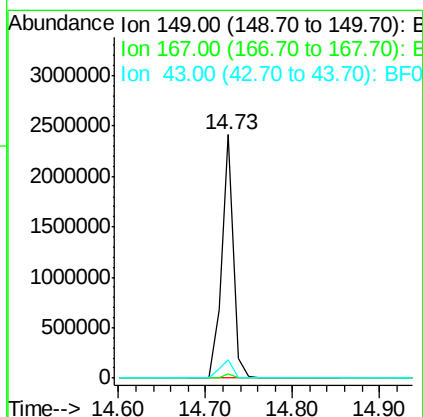
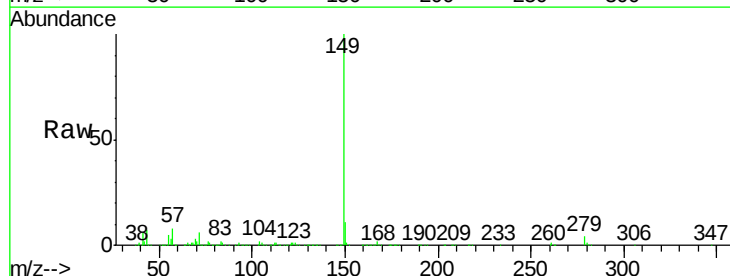
Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

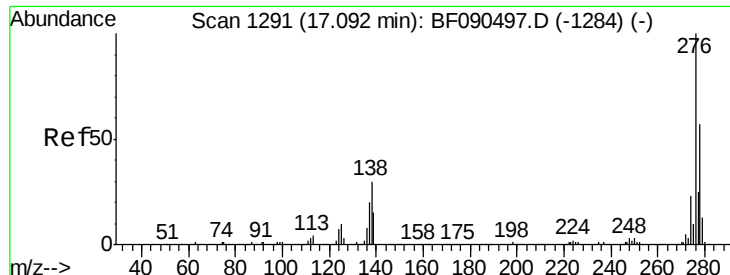
Tgt Ion:149 Resp: 1404573
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.5 32.3
 279 2.6 2.6 3.8



#84
 Di-n-octyl phthalate
 Concen: 43.37 ng
 RT: 14.73 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion:149 Resp: 2283323
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.3 1.9
 43 8.8 11.8 17.8#



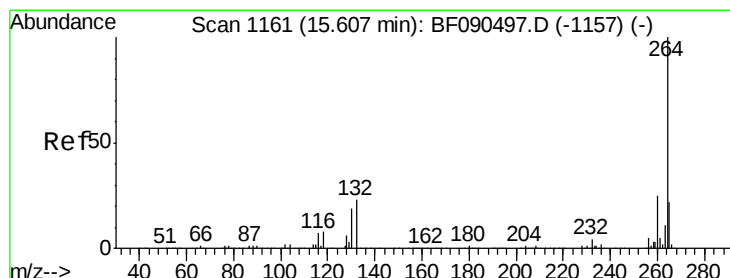
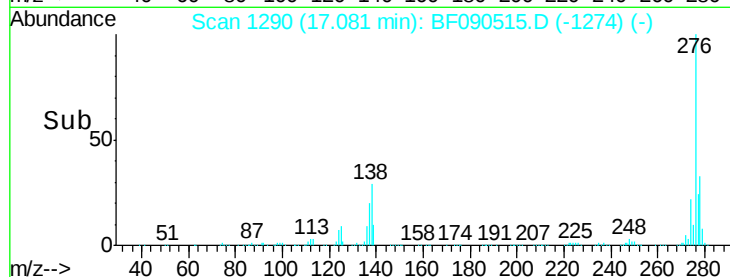
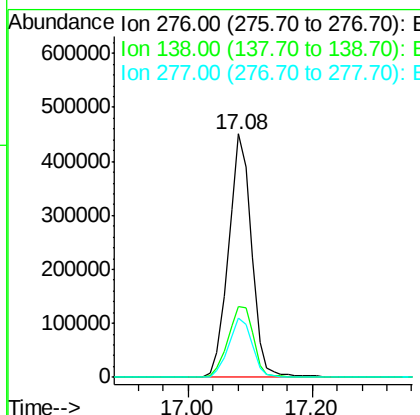
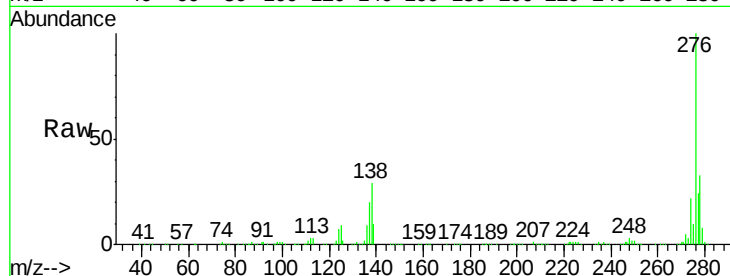


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 31.69 ng
 RT: 17.08 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 S8-0617MSD

Tgt Ion: 276 Resp: 1163470

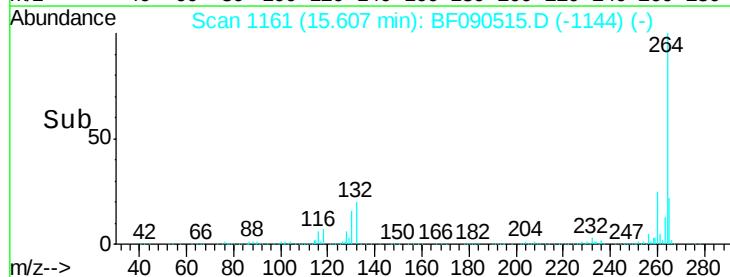
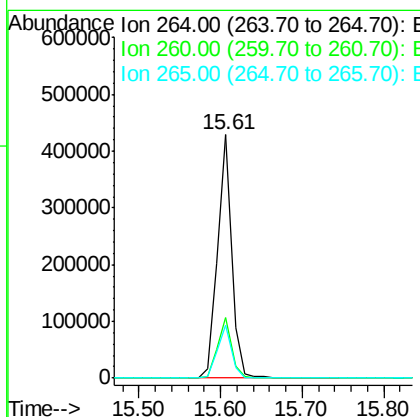
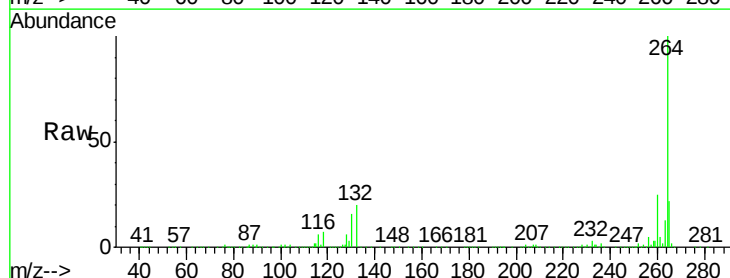
Ion	Ratio	Lower	Upper
276	100		
138	32.5	23.8	35.8
277	25.1	20.4	30.6

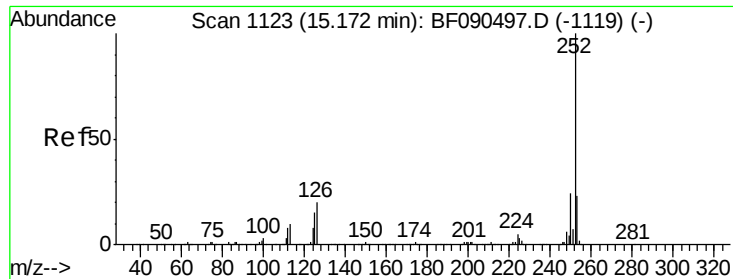


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.61 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF090515.D
 Acq: 11 Oct 2016 21:19

Tgt Ion: 264 Resp: 519006

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	21.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 51.13 ng

RT: 15.17 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

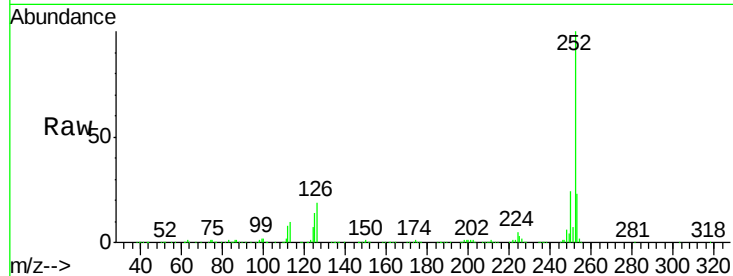
Tgt Ion:252 Resp: 1750851

Ion Ratio Lower Upper

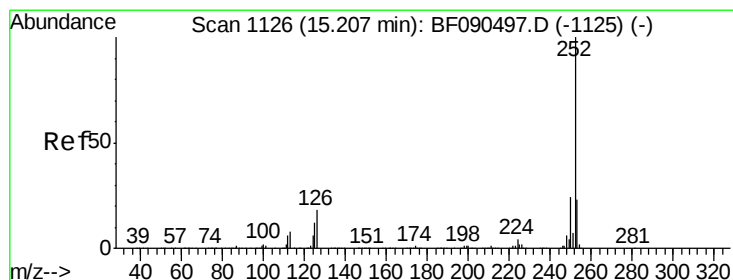
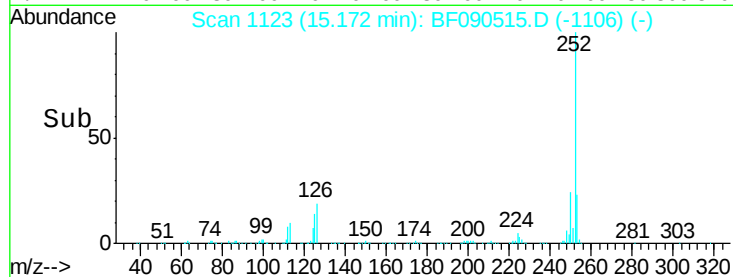
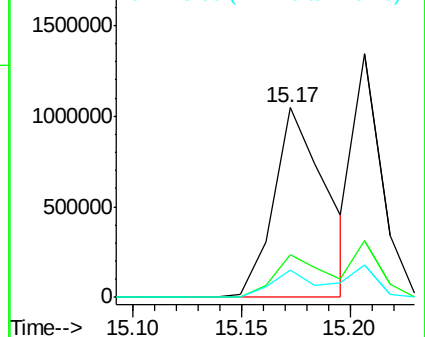
252 100

253 22.7 18.2 27.2

125 14.2 7.0 10.4#



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: 57.40 ng

RT: 15.17 min Scan# 1123

Delta R.T. -0.03 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

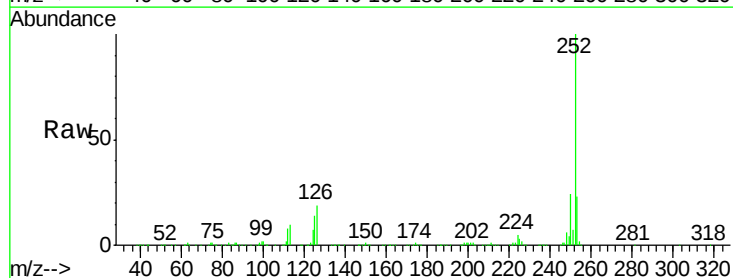
Tgt Ion:252 Resp: 1750851

Ion Ratio Lower Upper

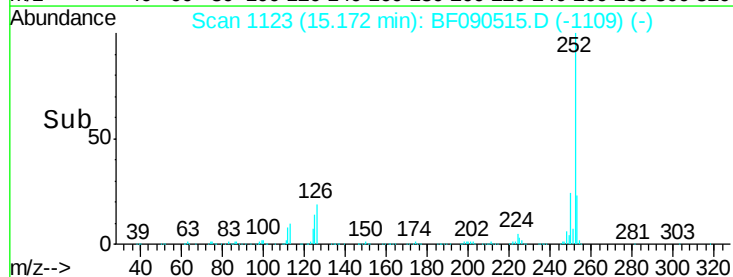
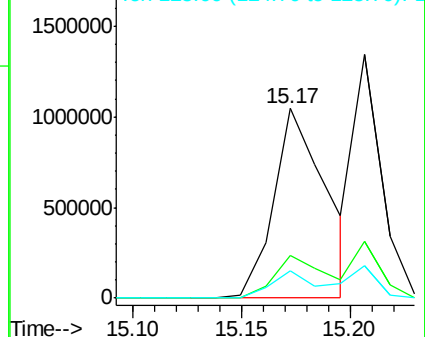
252 100

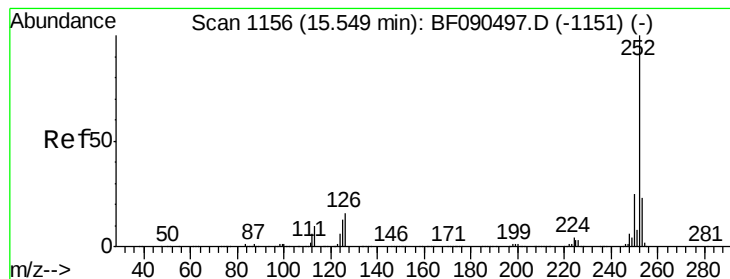
253 22.7 18.6 27.8

125 14.2 11.7 17.5



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





#89

Benzo(a)pyrene

Concen: 45.06 ng

RT: 15.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

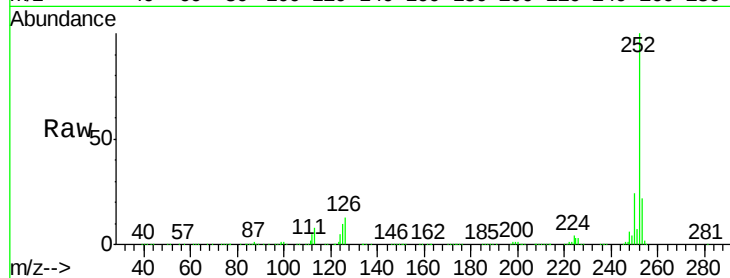
Tgt Ion:252 Resp: 1354934

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.4

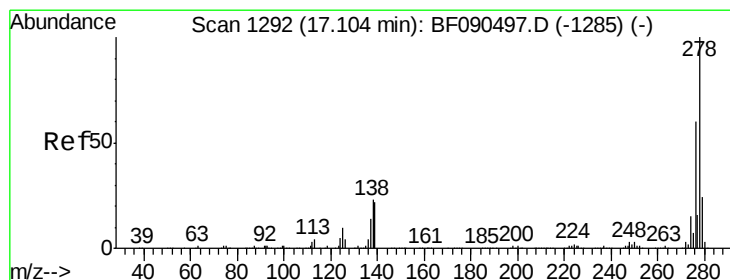
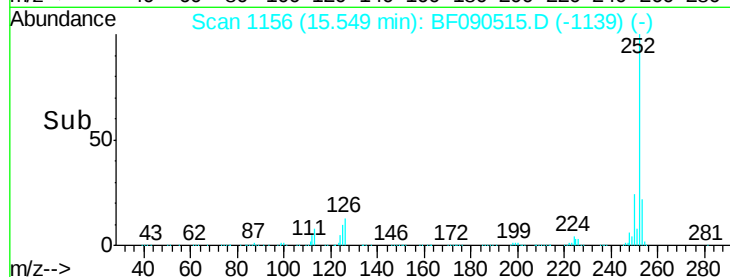
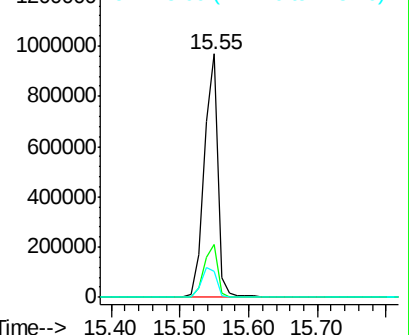
125 10.5 9.8 14.8



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: 39.15 ng

RT: 17.10 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

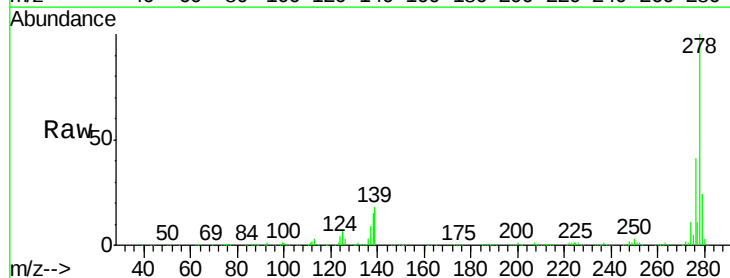
Tgt Ion:278 Resp: 1000103

Ion Ratio Lower Upper

278 100

139 17.8 12.8 19.2

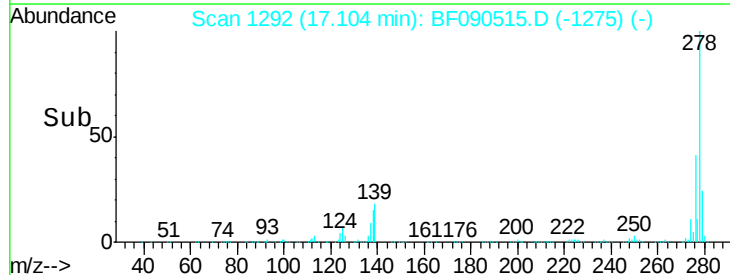
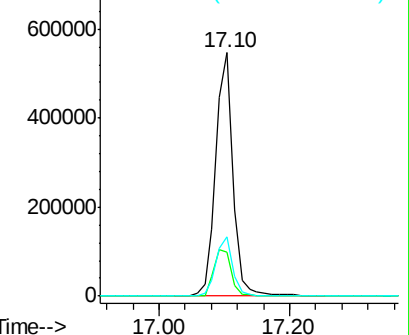
279 24.4 19.6 29.4

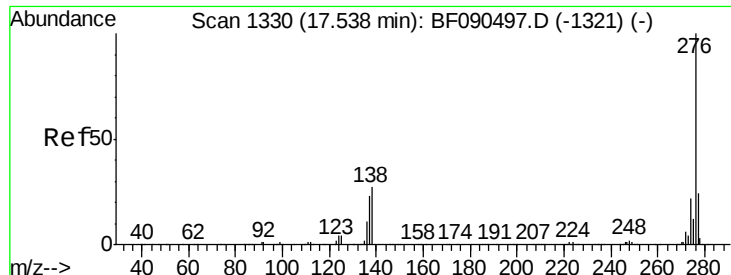


Abundance Ion 278.00 (277.70 to 278.70): E

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: 39.51 ng

RT: 17.53 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF090515.D

Acq: 11 Oct 2016 21:19

Instrument :

BNA_F

ClientSampleId :

S8-0617MSD

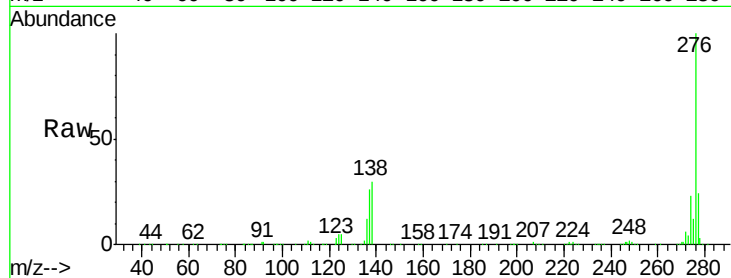
Tgt Ion: 276 Resp: 933423

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 29.7 20.8 31.2



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

