

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
 Data File : BF091808.D
 Acq On : 20 Dec 2016 9:47
 Operator : UM/SJ
 Sample : H6125-01DL 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

Quant Time: Dec 20 23:36:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	190902	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	591576	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	326600	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	706023	20.00	ng	0.00
75) Chrysene-d12	13.92	240	622944	20.00	ng	-0.01
86) Perylene-d12	15.31	264	489911	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	1070350	93.94	ng	0.00
7) Phenol-d6	6.41	99	1202823	86.56	ng	-0.01
23) Nitrobenzene-d5	7.33	82	874073	85.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	283637	102.42	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1044481	64.25	ng	0.00
78) Terphenyl-d14	12.87	244	1077152	43.66	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	89719	5.73	ng	83
15) Benzyl Alcohol	6.92	79	54514	5.07	ng	# 42
18) Hexachloroethane	7.34	117	775230	149.72	ng	# 14
19) n-Nitroso-di-n-propylamine	7.20	70	134676	14.57	ng	# 67
22) Acetophenone	7.17	105	44333	3.10	ng	# 7
24) Nitrobenzene	7.31	77	266182	24.16	ng	# 49
25) Isophorone	7.58	82	456273	23.31	ng	# 1
26) 2-Nitrophenol	7.63	139	12916	2.43	ng	# 1
27) 2,4-Dimethylphenol	7.72	122	63050	7.27	ng	# 1
28) bis(2-Chloroethoxy)methane	7.81	93	25902	2.26	ng	# 1
29) 2,4-Dichlorophenol	7.92	162	41693	5.21	ng	# 1
30) 1,2,4-Trichlorobenzene	7.96	180	19889	2.30	ng	# 47
31) Naphthalene	8.09	128	1459447	51.64	ng	# 94
32) Benzoic acid	7.86	122	44345	7.18	ng	# 23
33) 4-Chloroaniline	8.09	127	316287	26.57	ng	# 41
35) Caprolactam	8.51	113	417398	162.24	ng	# 1
36) 4-Chloro-3-methylphenol	8.60	107	84307	9.56	ng	# 29
37) 2-Methylnaphthalene	8.78	142	2394418	134.39	ng	99
42) 2,4,6-Trichlorophenol	9.06	196	38043	6.54	ng	# 9
43) 2,4,5-Trichlorophenol	9.06	196	38043	6.66	ng	# 1
47) 2-Nitroaniline	9.30	65	29643	4.96	ng	# 50
48) Acenaphthylene	9.68	152	59043	2.18	ng	# 1
49) Dimethylphthalate	9.53	163	189600	8.89	ng	# 72
50) 2,6-Dinitrotoluene	9.60	165	52822	11.29	ng	# 1
51) Acenaphthene	9.85	154	151277	8.13	ng	# 84
52) 3-Nitroaniline	9.77	138	20752	3.56	ng	# 31
53) 2,4-Dinitrophenol	10.10	184	25141	9.95	ng	99
54) Dibenzofuran	10.02	168	176802	7.99	ng	# 42
55) 4-Nitrophenol	9.92	139	59209	14.64	ng	# 20
56) 2,4-Dinitrotoluene	10.02	165	49635	8.49	ng	# 61
57) Fluorene	10.35	166	240863	14.02	ng	# 85
61) 4-Nitroaniline	10.27	138	11550	2.09	ng	92
65) n-Nitrosodiphenylamine	10.46	169	178283	8.13	ng	# 52
68) Atrazine	11.23	200	39455	5.96	ng	85

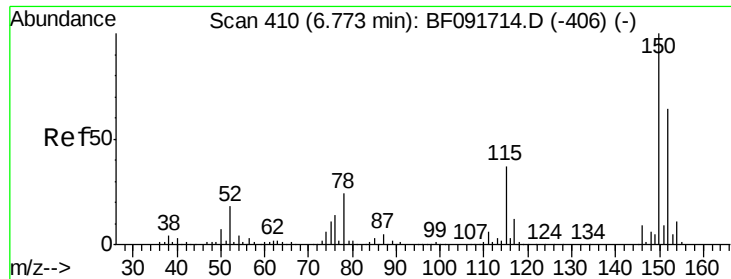
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Phenanthrene	11.31	178	1614680	45.77	ng	99
71) Anthracene	11.36	178	400807	10.73	ng	98
72) Carbazole	11.52	167	113407	3.47	ng	92
74) Fluoranthene	12.50	202	1463390	39.72	ng	97
77) Pyrene	12.73	202	1531345	34.04	ng	100
80) Benzo(a)anthracene	13.91	228	592133	16.62	ng	100
82) Chrysene	13.91	228	592133	16.03	ng	96
85) Indeno(1,2,3-cd)pyrene	16.65	276	186716	5.14	ng	93
87) Benzo(b)fluoranthene	14.92	252	650651	20.94	ng	99
88) Benzo(k)fluoranthene	14.92	252	650651	29.85	ng	99
89) Benzo(a)pyrene	15.25	252	362999	13.61	ng	99
90) Dibenzo(a,h)anthracene	16.66	278	47312	2.04	ng	97
91) Benzo(g,h,i)perylene	17.05	276	187757	7.95	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

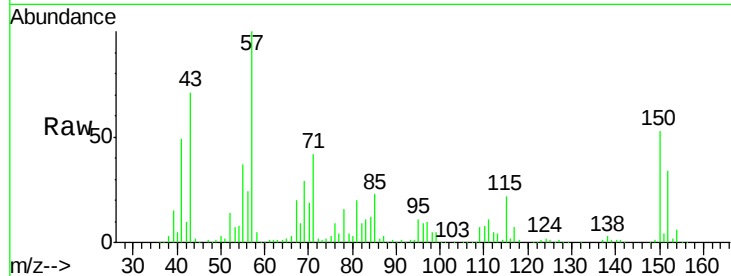
Tgt Ion:152 Resp: 190902

Ion Ratio Lower Upper

152 100

150 158.4 124.9 187.3

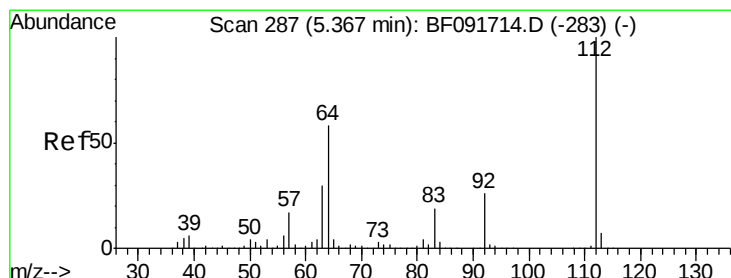
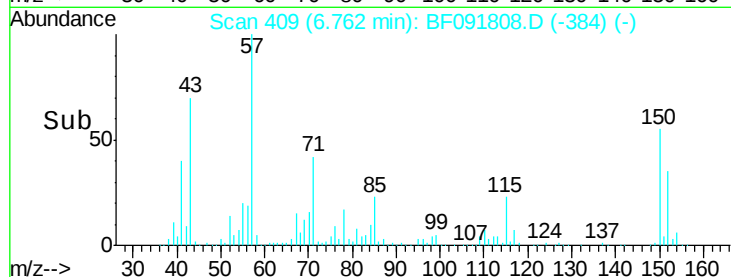
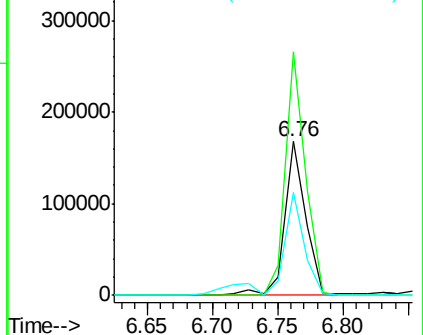
115 66.9 46.0 69.0



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



#5

2-Fluorophenol

Concen: 93.94 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

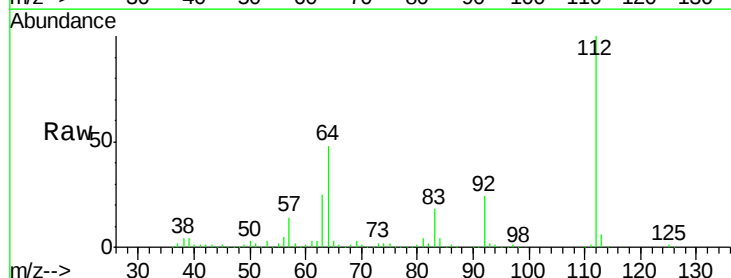
Tgt Ion:112 Resp: 1070350

Ion Ratio Lower Upper

112 100

64 48.2 46.1 69.1

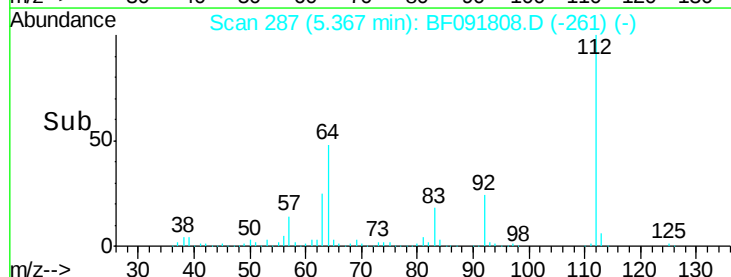
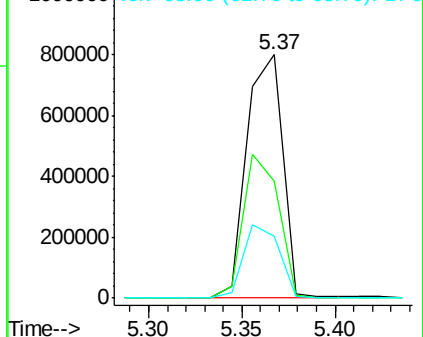
63 25.2 23.8 35.6

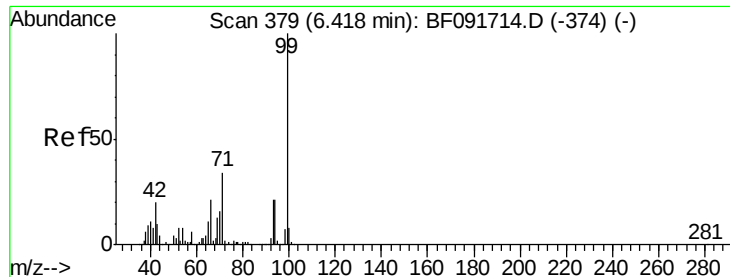


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 86.56 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

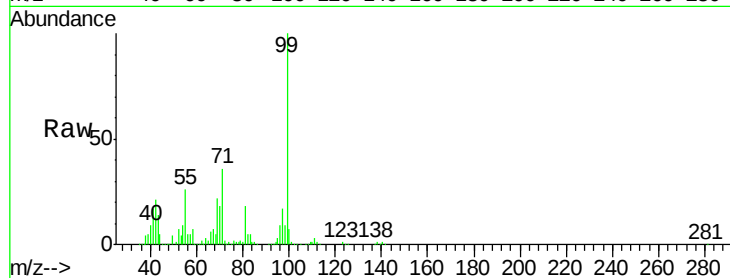
Tgt Ion: 99 Resp: 1202823

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

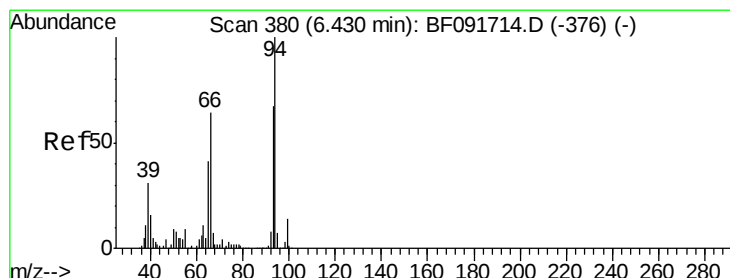
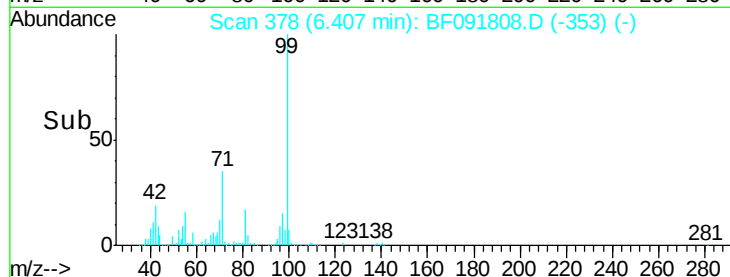
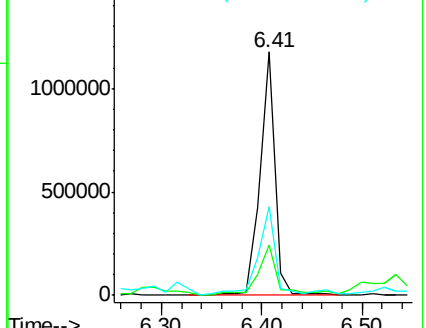
71 36.3 27.5 41.3



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



#10

Phenol

Concen: 5.73 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

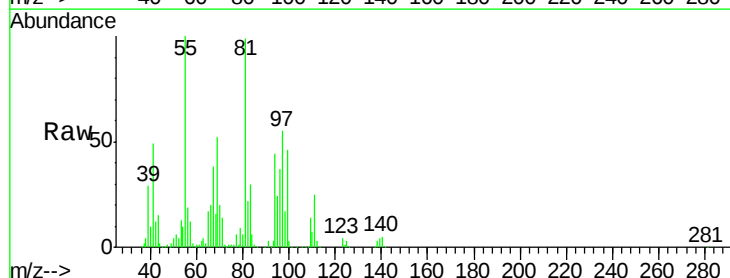
Tgt Ion: 94 Resp: 89719

Ion Ratio Lower Upper

94 100

65 38.0 21.4 61.4

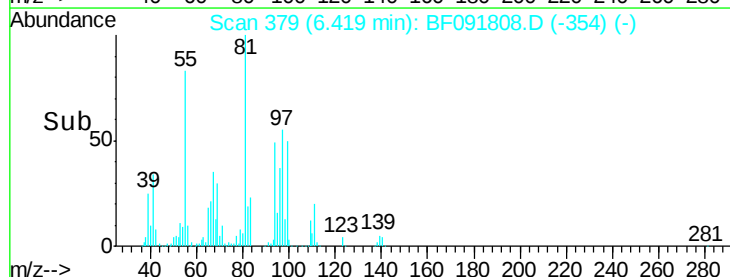
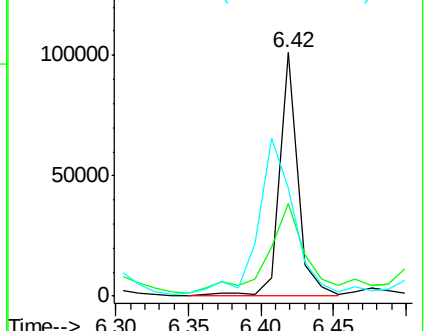
66 44.3 44.0 84.0

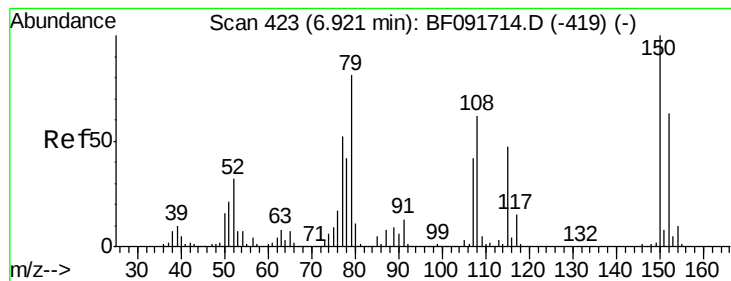


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 5.07 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

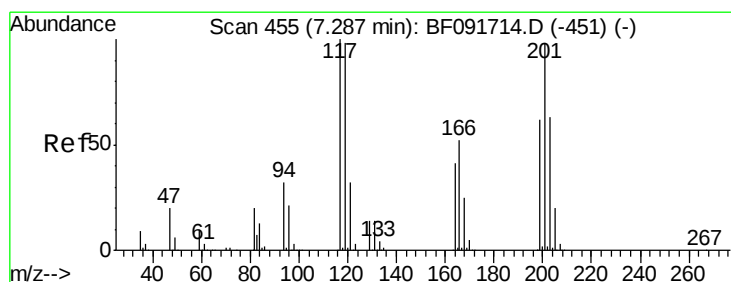
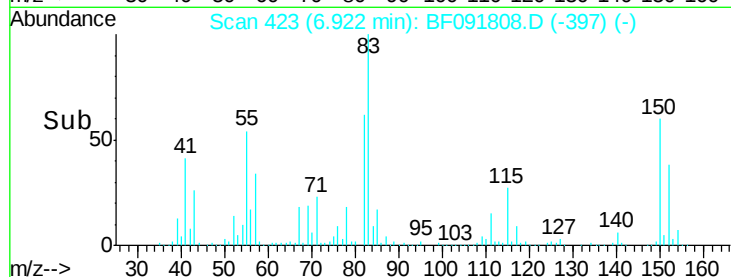
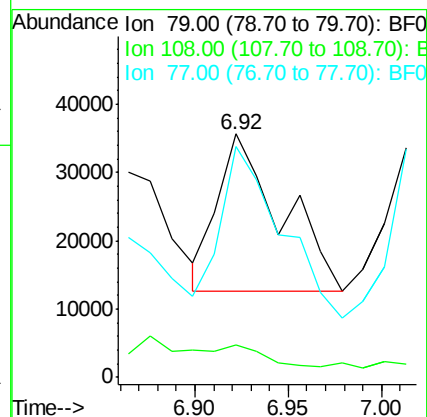
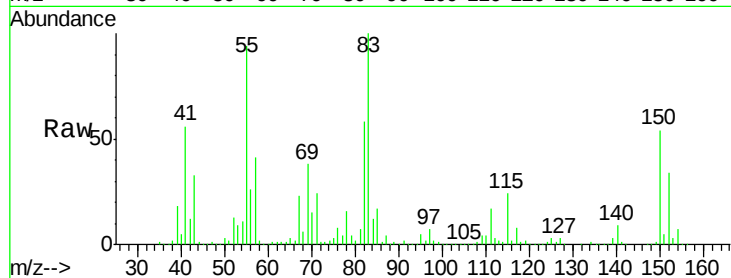
Tgt Ion: 79 Resp: 54514

Ion Ratio Lower Upper

79 100

108 13.1 61.4 92.0#

77 94.6 50.9 76.3#



#18

Hexachloroethane

Concen: 149.72 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.06 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

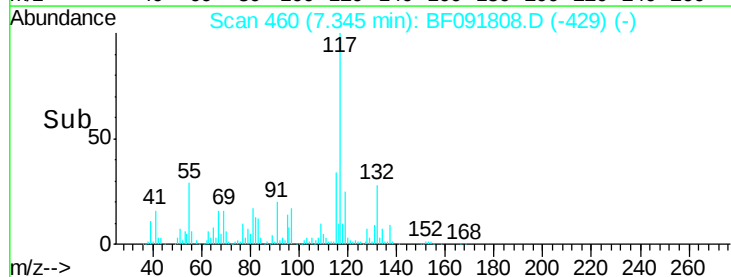
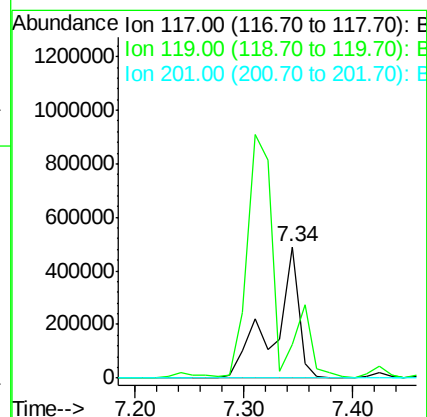
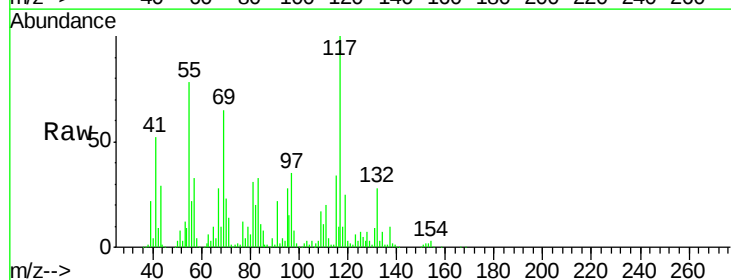
Tgt Ion: 117 Resp: 775230

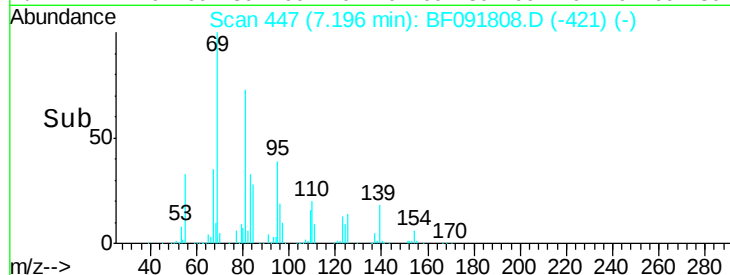
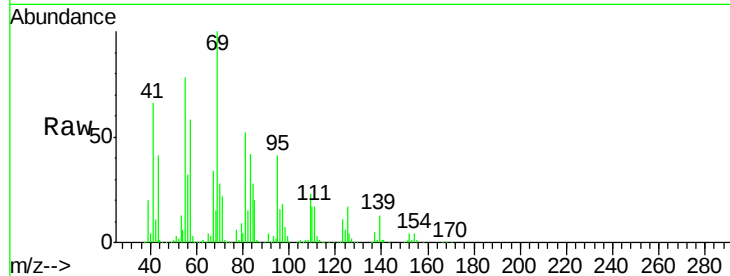
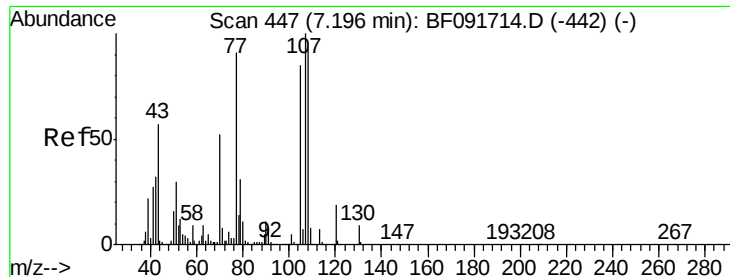
Ion Ratio Lower Upper

117 100

119 25.3 78.1 117.1#

201 0.0 78.6 117.8#

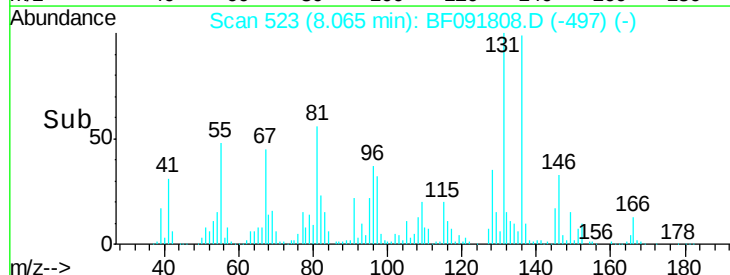
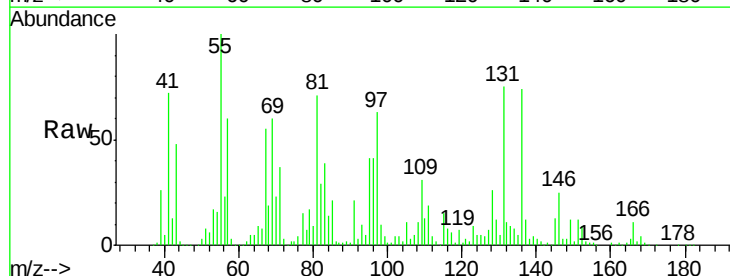
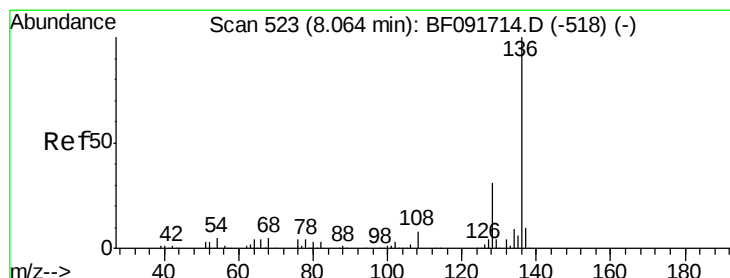
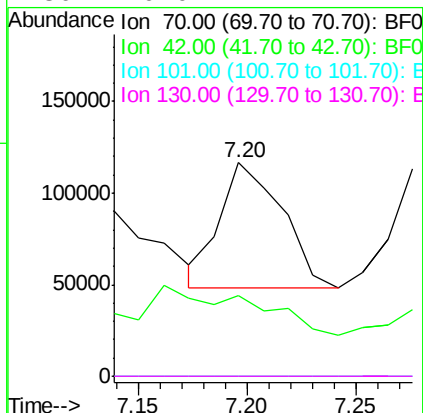




#19
n-Nitroso-di-n-propylamine
Concen: 14.57 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

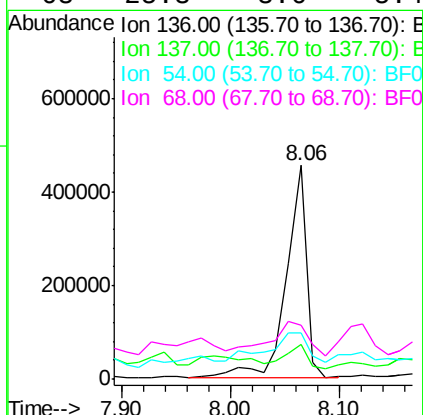
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

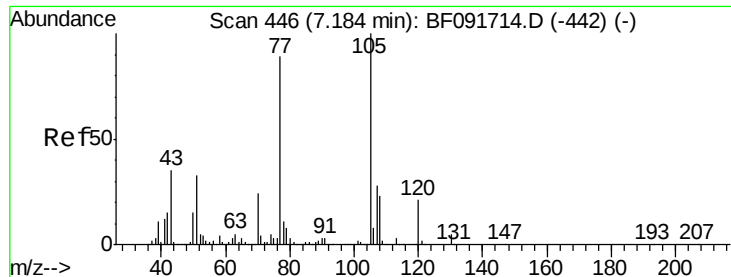
Tgt Ion: 70 Resp: 134676
Ion Ratio Lower Upper
70 100
42 37.7 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion: 136 Resp: 591576
Ion Ratio Lower Upper
136 100
137 16.4 8.4 12.6#
54 21.6 4.5 6.7#
68 25.3 3.6 5.4#





#22

Acetophenone

Concen: 3.10 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF091808.D

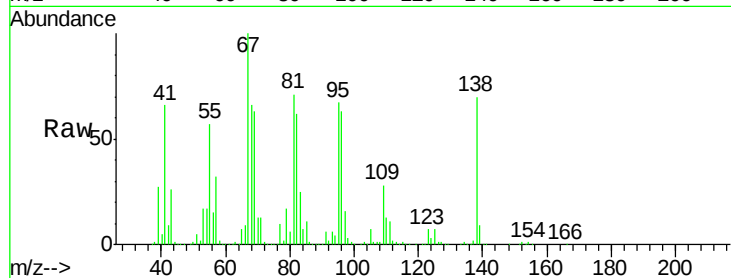
Acq: 20 Dec 2016 9:47

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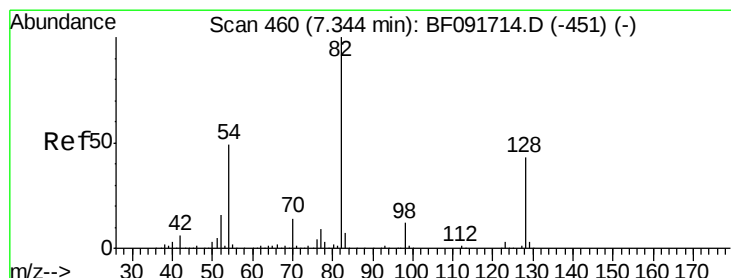
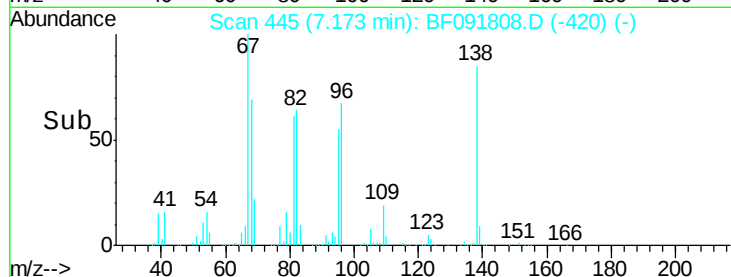
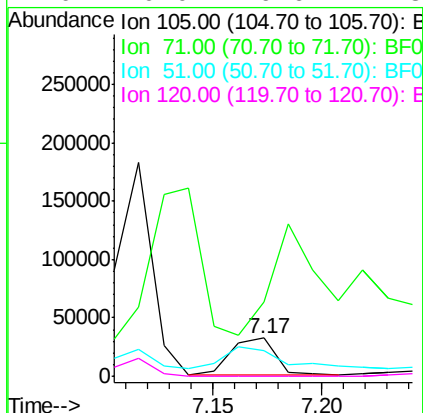
BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL



Tgt Ion:	105	Resp:	44333
Ion	Ratio	Lower	Upper
105	100		
71	197.0	3.2	4.8#
51	68.2	26.2	39.4#
120	0.0	16.6	24.8#



#23

Nitrobenzene-d5

Concen: 85.21 ng

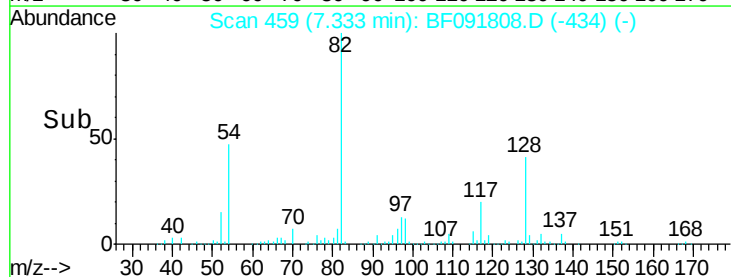
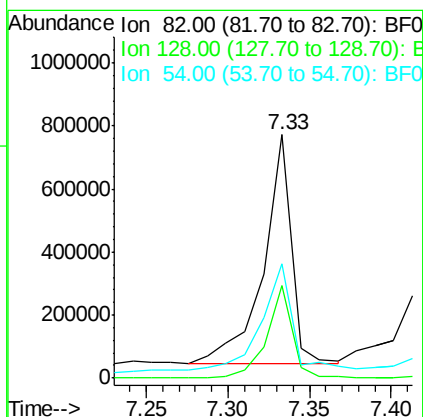
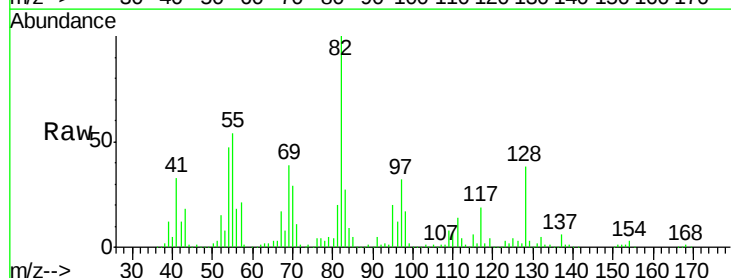
RT: 7.33 min Scan# 459

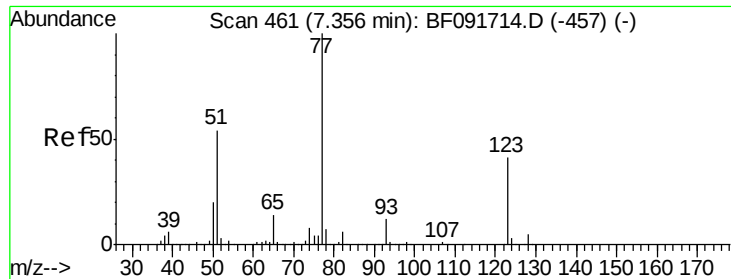
Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Tgt Ion:	82	Resp:	874073
Ion	Ratio	Lower	Upper
82	100		
128	38.1	34.6	52.0
54	47.2	39.5	59.3

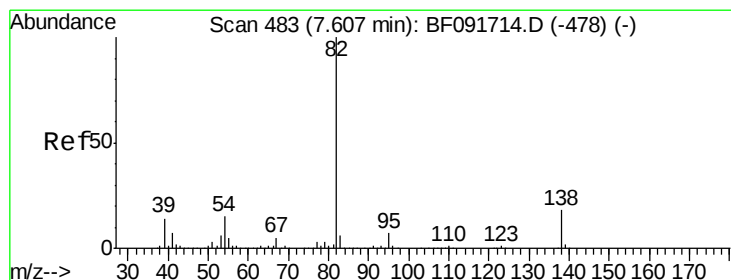
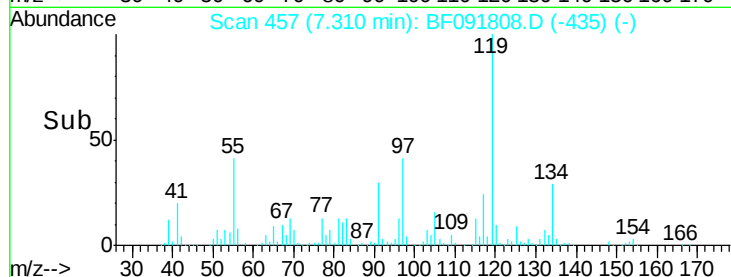
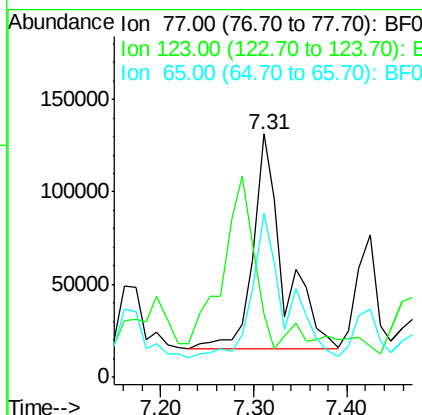
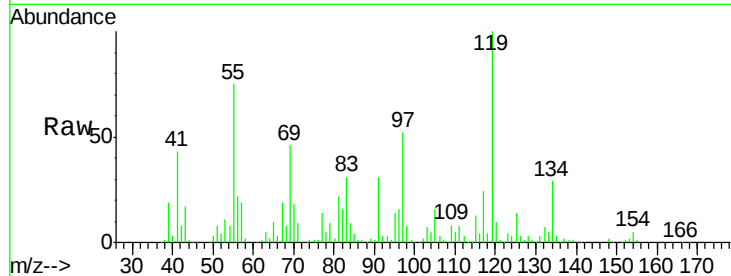




#24
 Nitrobenzene
 Concen: 24.16 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.05 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

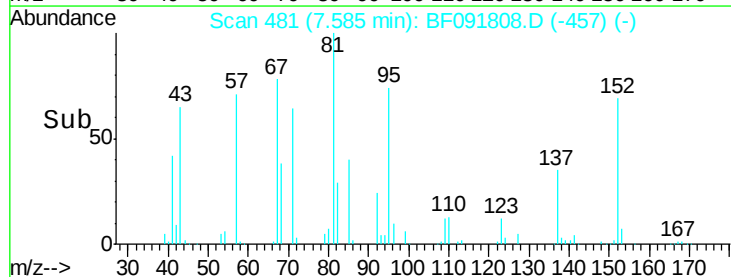
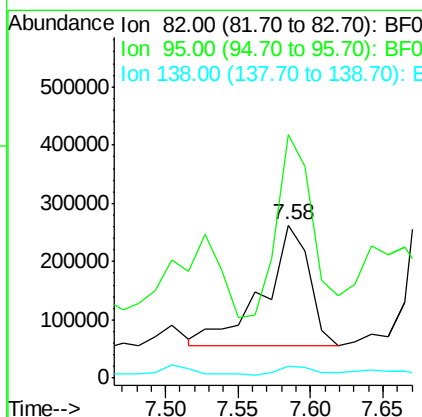
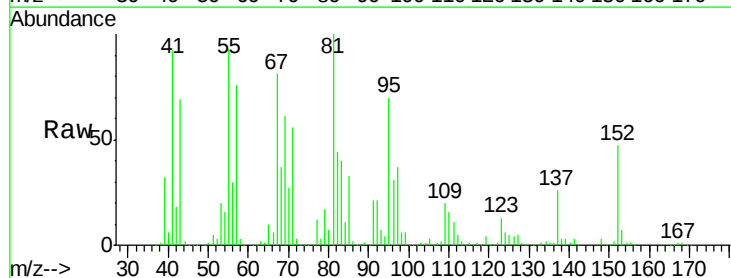
Instrument :
 BNA_F
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 SB-49(11-13)-12-14-16DL

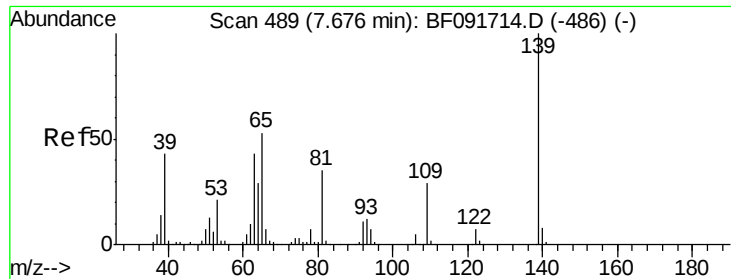
Tgt Ion: 77 Resp: 266182
 Ion Ratio Lower Upper
 77 100
 123 26.2 33.0 49.4#
 65 67.3 11.2 16.8#



#25
 Isophorone
 Concen: 23.31 ng
 RT: 7.58 min Scan# 481
 Delta R.T. -0.02 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Tgt Ion: 82 Resp: 456273
 Ion Ratio Lower Upper
 82 100
 95 159.3 5.6 8.4#
 138 7.9 14.6 22.0#

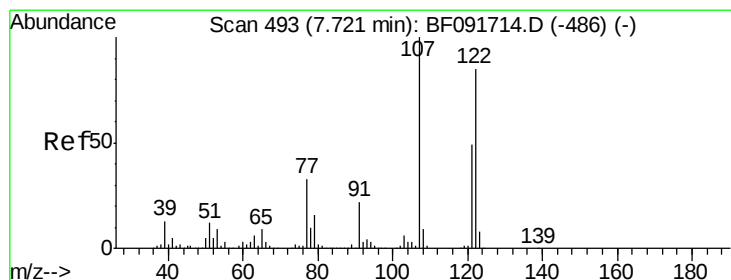
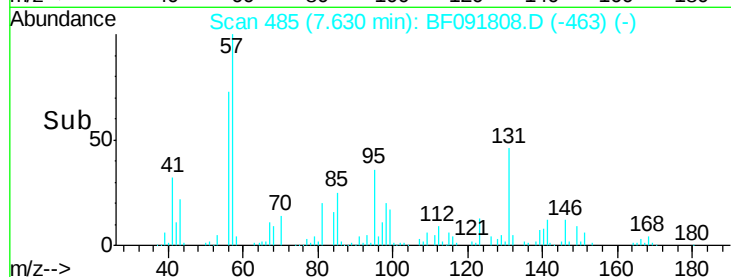
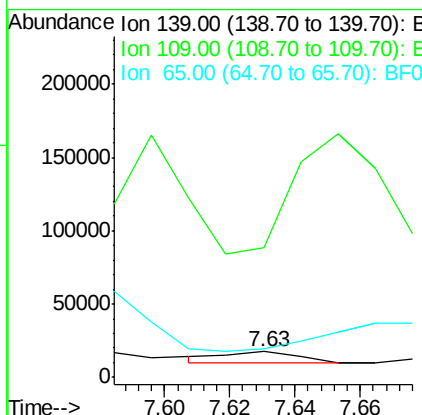
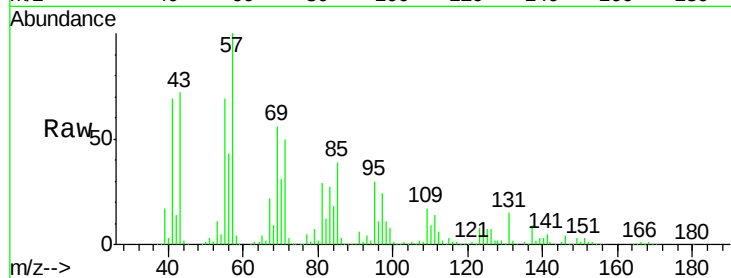




#26
 2-Nitrophenol
 Concen: 2.43 ng
 RT: 7.63 min Scan# 485
 Delta R.T. -0.05 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

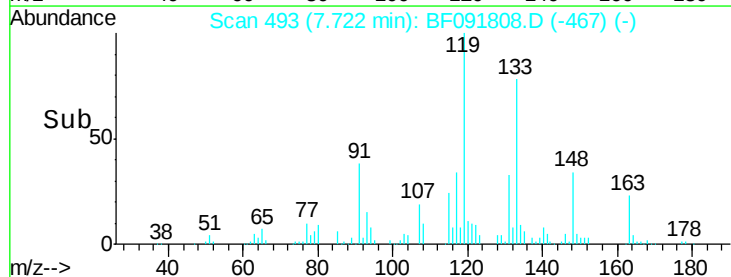
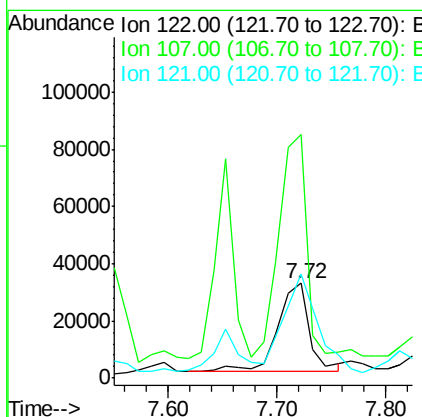
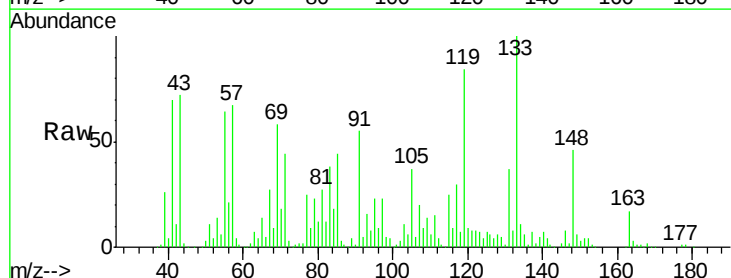
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

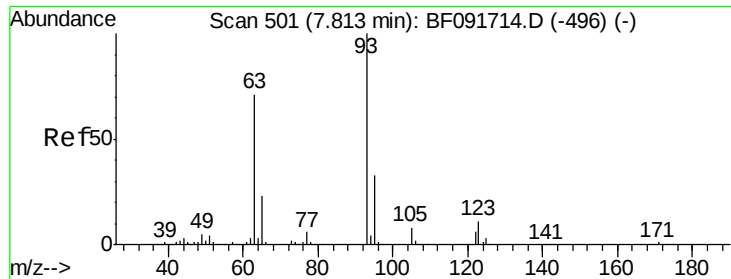
Tgt Ion	Ratio	Lower	Upper
139	100		
109	499.4	23.3	34.9#
65	108.9	42.7	64.1#



#27
 2,4-Dimethylphenol
 Concen: 7.27 ng
 RT: 7.72 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Tgt Ion	Ratio	Lower	Upper
122	100		
107	257.6	94.1	141.1#
121	110.1	46.0	69.0#

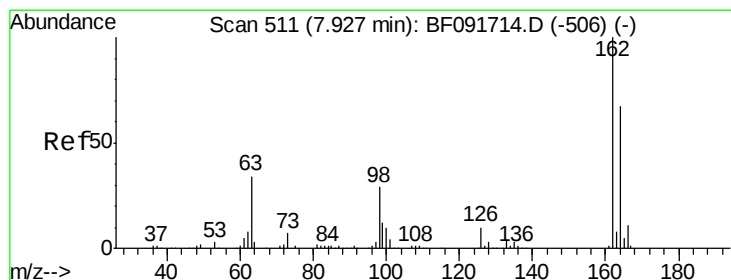
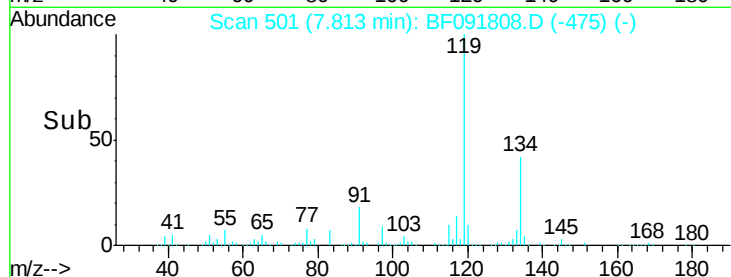
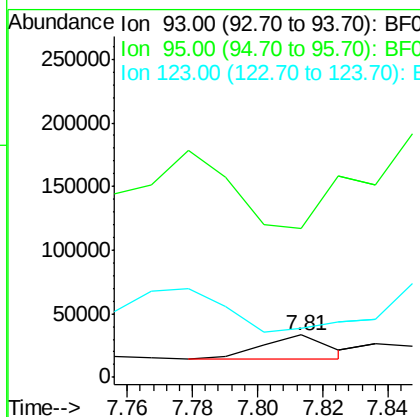
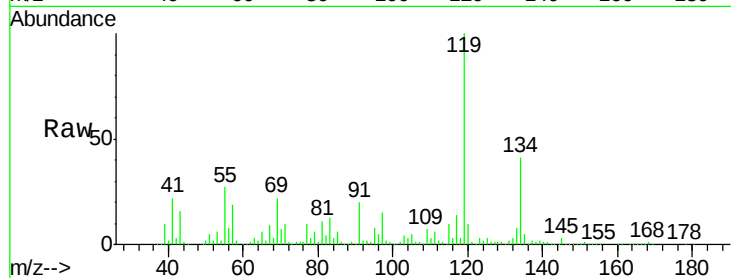




#28
bis(2-Chloroethoxy)methane
Concen: 2.26 ng
RT: 7.81 min Scan# 501
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

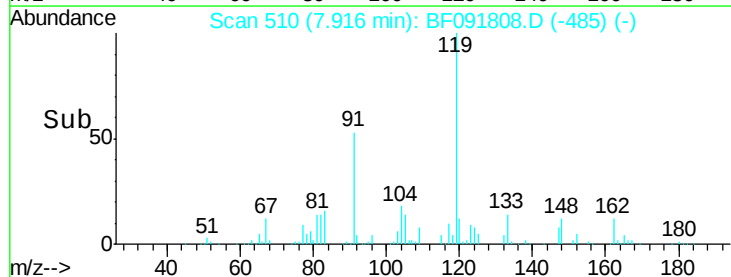
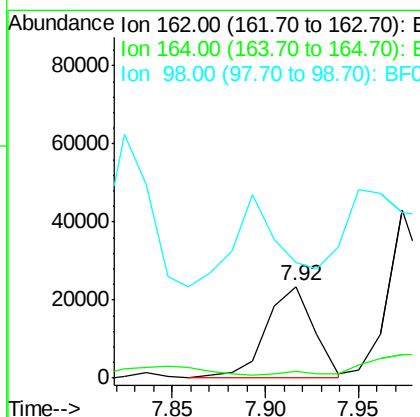
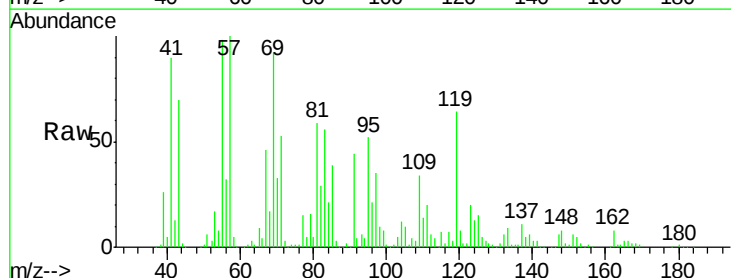
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

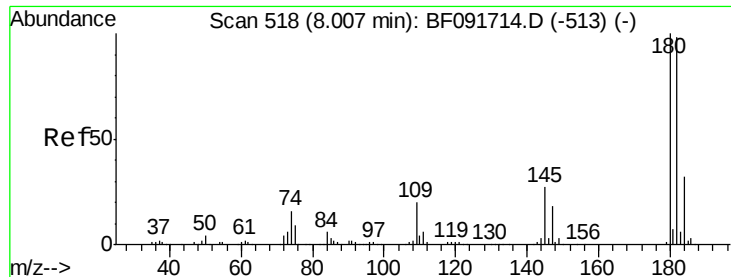
Tgt Ion: 93 Resp: 25902
Ion Ratio Lower Upper
93 100
95 354.7 26.5 39.7#
123 115.5 8.6 13.0#



#29
2,4-Dichlorophenol
Concen: 5.21 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion: 162 Resp: 41693
Ion Ratio Lower Upper
162 100
164 6.9 46.8 86.8#
98 126.8 9.1 49.1#

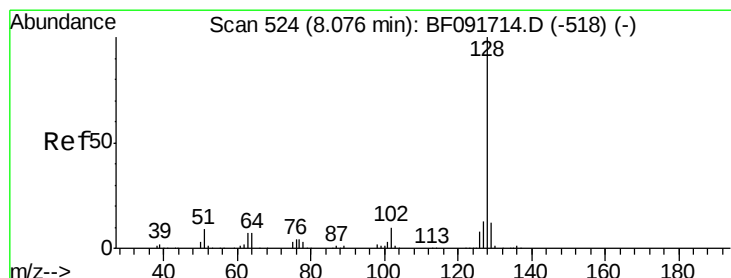
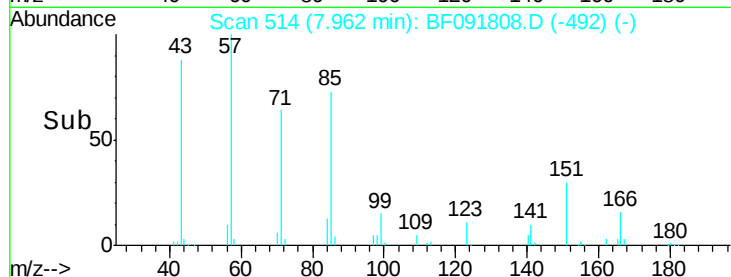
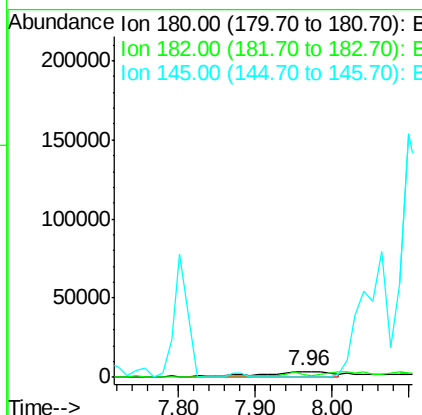
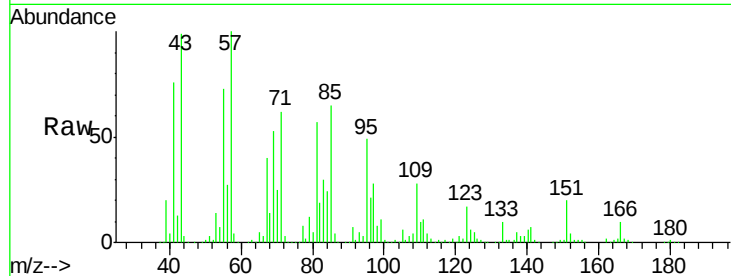




#30
 1,2,4-Trichlorobenzene
 Concen: 2.30 ng
 RT: 7.96 min Scan# 514
 Delta R.T. -0.05 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

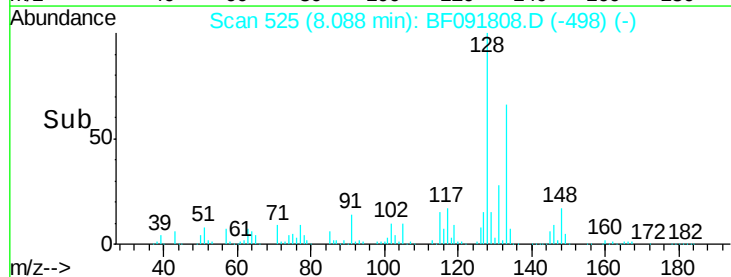
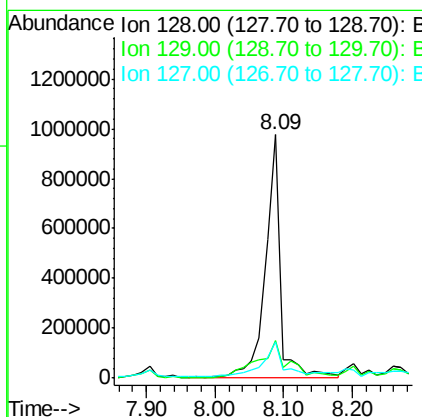
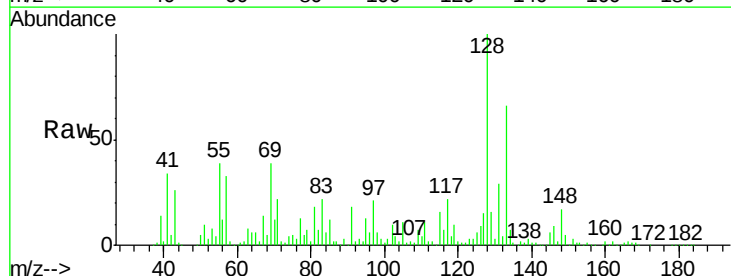
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

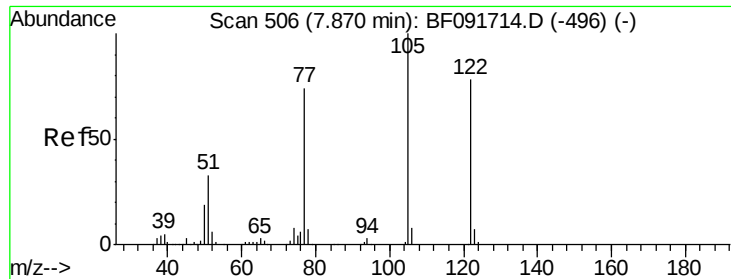
Tgt Ion:180 Resp: 19889
 Ion Ratio Lower Upper
 180 100
 182 44.8 78.2 117.4#
 145 0.0 21.6 32.4#



#31
 Naphthalene
 Concen: 51.64 ng
 RT: 8.09 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Tgt Ion:128 Resp: 1459447
 Ion Ratio Lower Upper
 128 100
 129 15.6 9.5 14.3#
 127 15.0 10.8 16.2

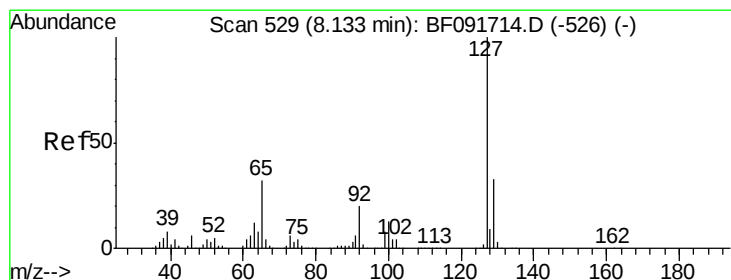
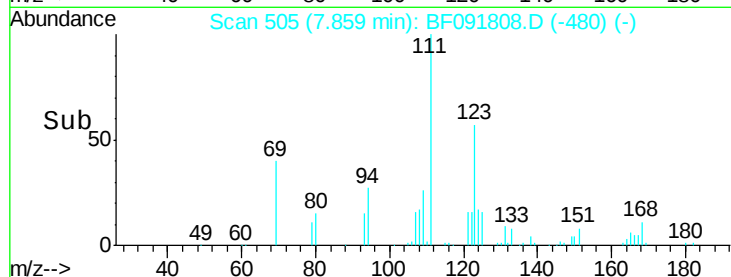
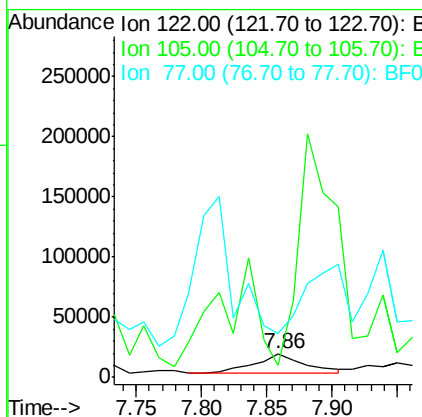
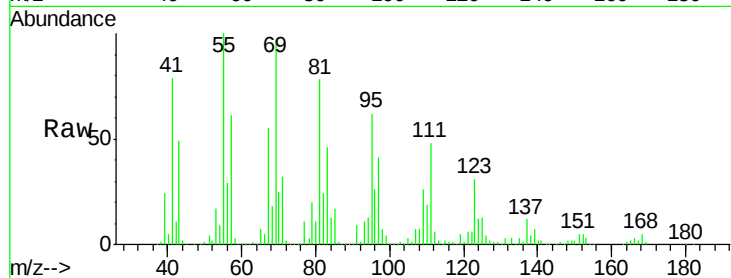




#32
Benzoic acid
Concen: 7.18 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

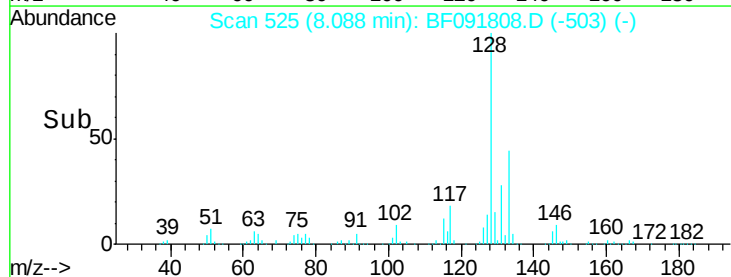
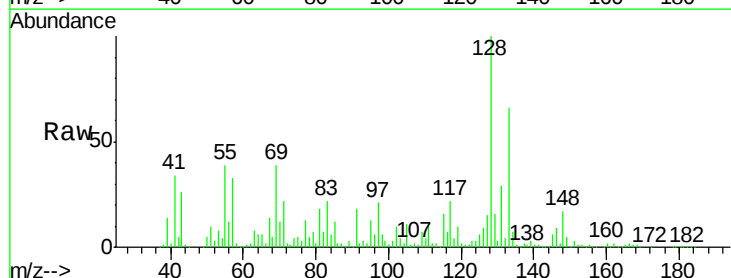
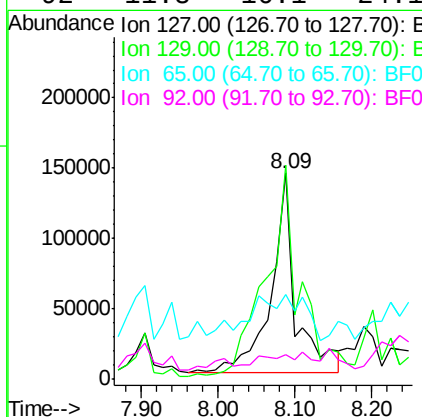
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

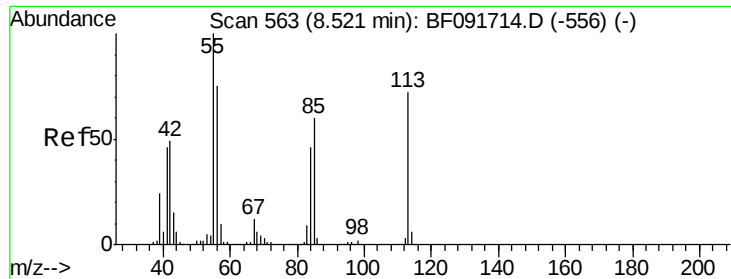
Tgt Ion:122 Resp: 44345
Ion Ratio Lower Upper
122 100
105 51.4 107.2 147.2#
77 183.6 74.5 114.5#



#33
4-Chloroaniline
Concen: 26.57 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.05 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:127 Resp: 316287
Ion Ratio Lower Upper
127 100
129 103.8 26.3 39.5#
65 41.1 25.8 38.8#
92 11.8 16.1 24.1#

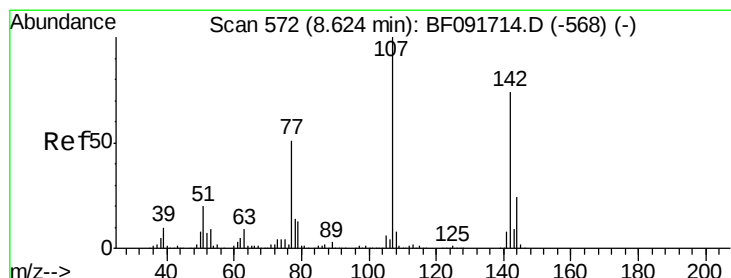
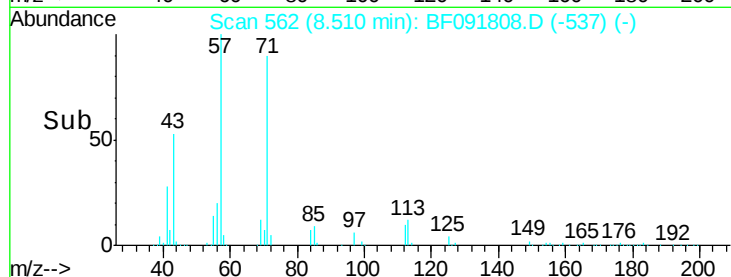
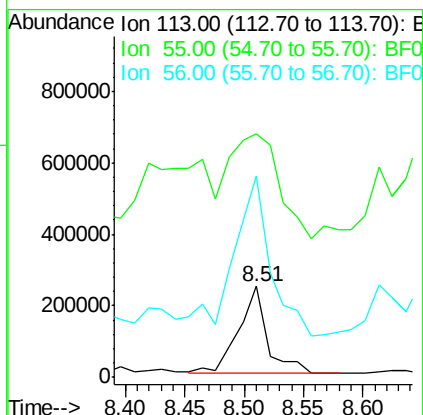
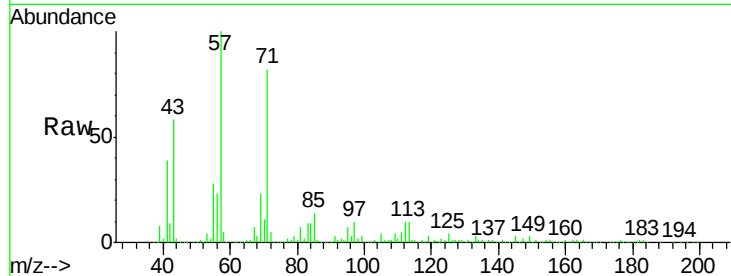




#35
 Caprolactam
 Concen: 162.24 ng
 RT: 8.51 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

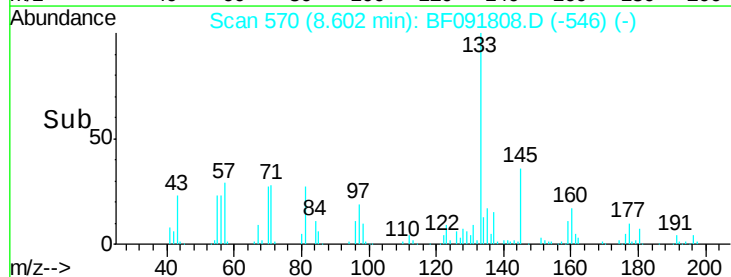
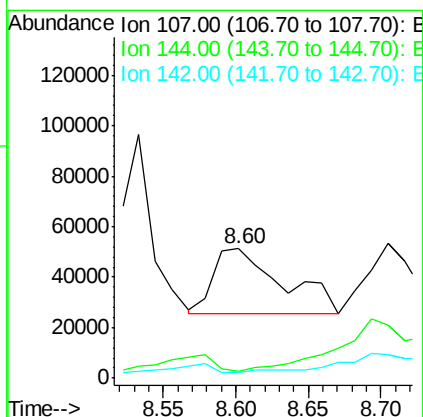
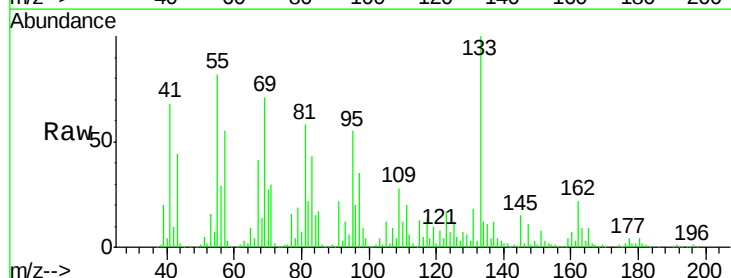
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

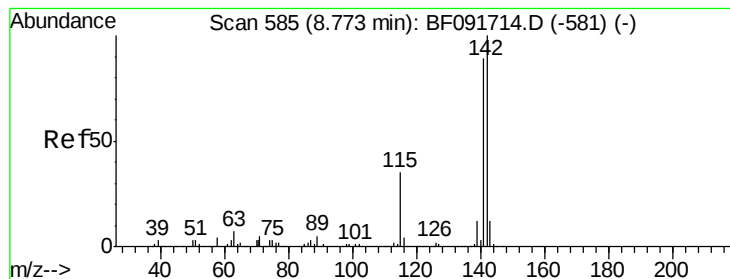
Tgt Ion:113 Resp: 417398
 Ion Ratio Lower Upper
 113 100
 55 268.0 119.2 159.2#
 56 222.2 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 9.56 ng
 RT: 8.60 min Scan# 570
 Delta R.T. -0.02 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Tgt Ion:107 Resp: 84307
 Ion Ratio Lower Upper
 107 100
 144 4.8 19.3 28.9#
 142 4.6 59.0 88.6#





#37

2-Methylnaphthalene

Concen: 134.39 ng

RT: 8.78 min Scan# 586

Delta R.T. 0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

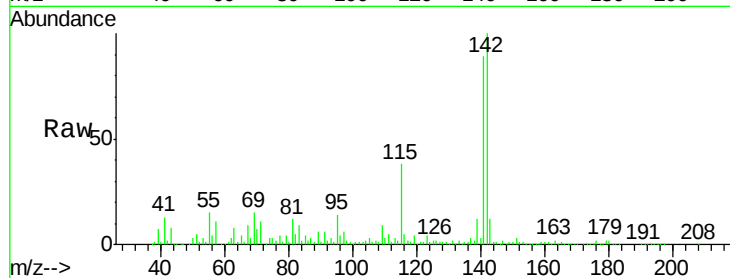
Tgt Ion:142 Resp: 2394418

Ion Ratio Lower Upper

142 100

141 88.7 71.0 106.6

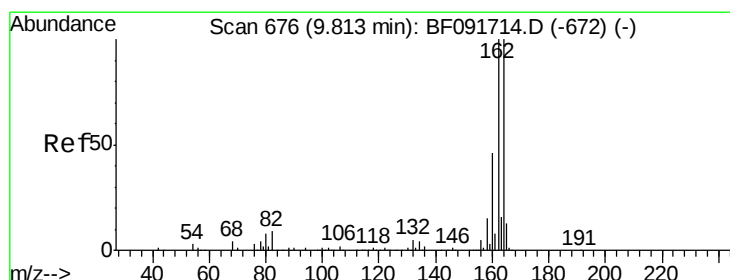
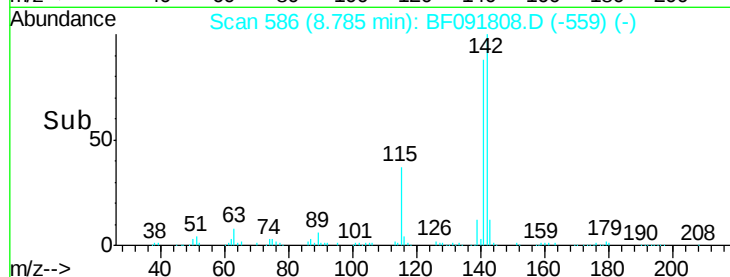
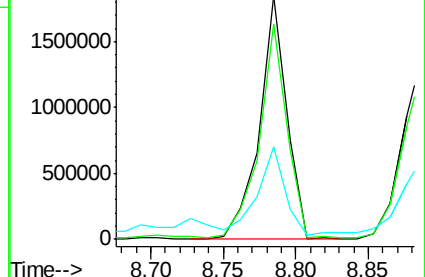
115 38.2 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

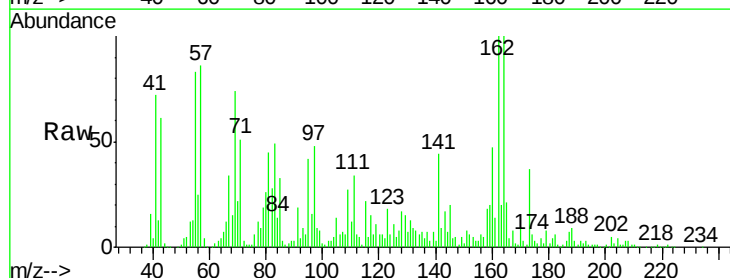
Tgt Ion:164 Resp: 326600

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.2

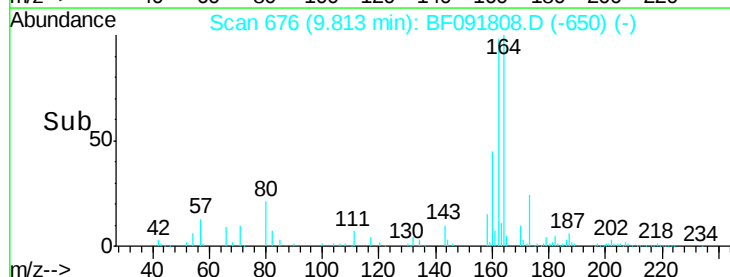
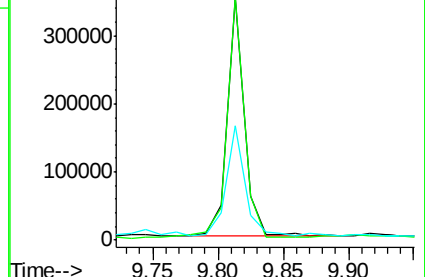
160 47.2 36.9 55.3

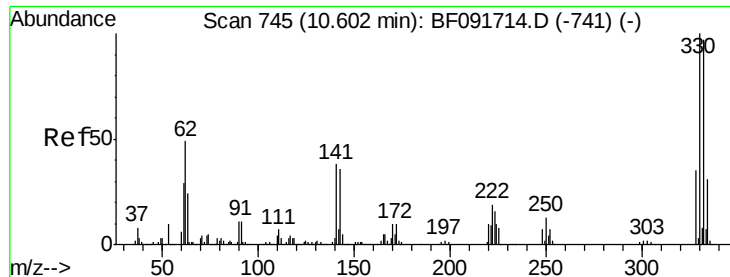


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

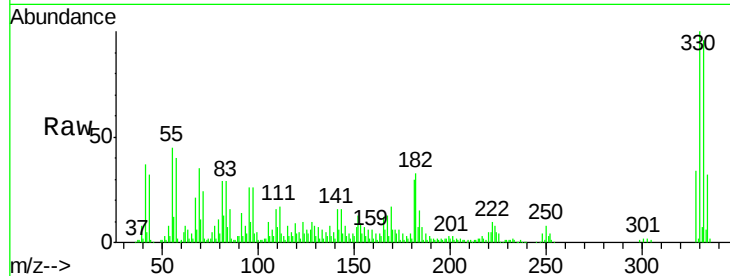




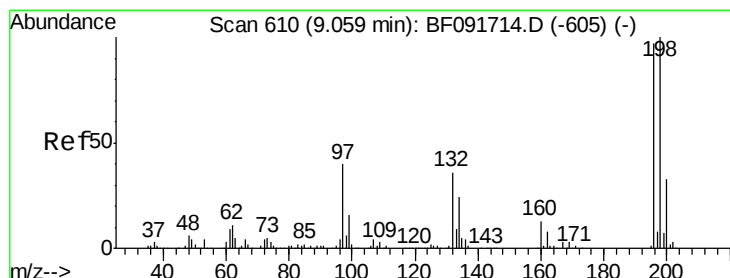
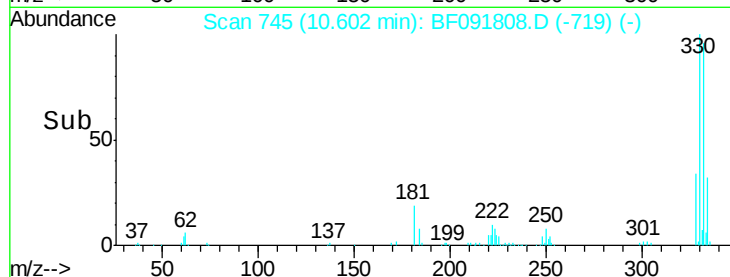
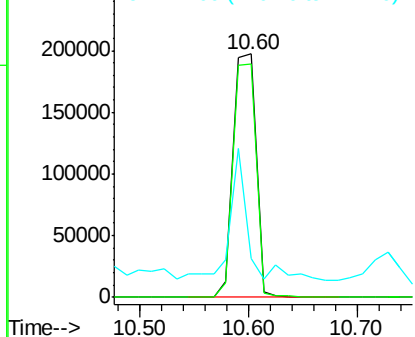
#41
 2,4,6-Tribromophenol
 Concen: 102.42 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Instrument :
 BNA_F
 ClientSampleID :
 SB-49(11-13)-12-14-16DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	41.9	34.1	51.1

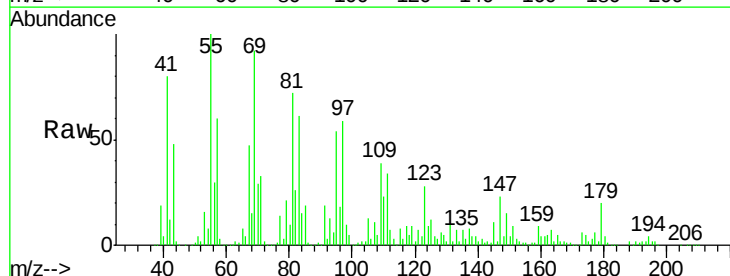


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

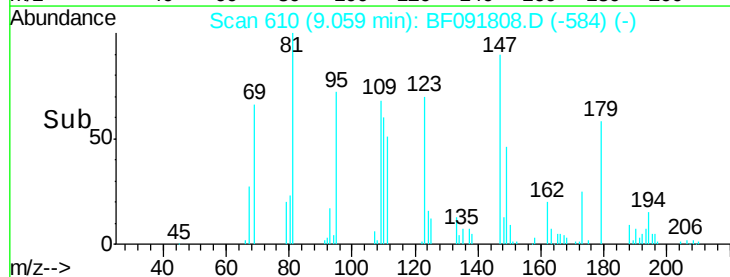
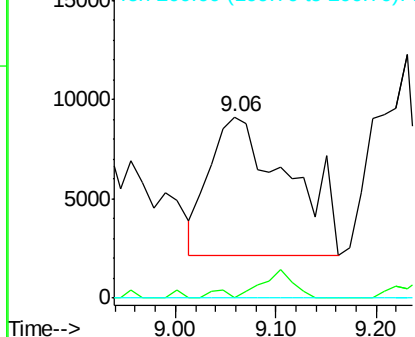


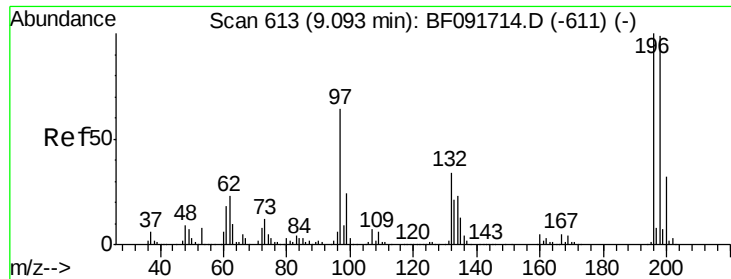
#42
 2,4,6-Trichlorophenol
 Concen: 6.54 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Tgt Ion	Ratio	Lower	Upper
196	100		
198	0.0	82.1	123.1#
200	0.0	27.0	40.4#



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

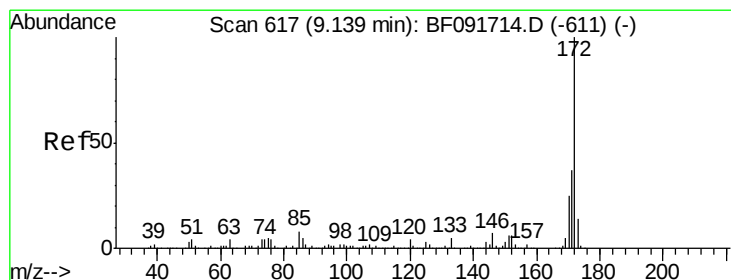
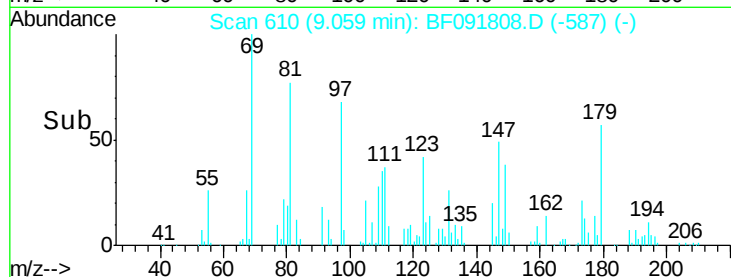
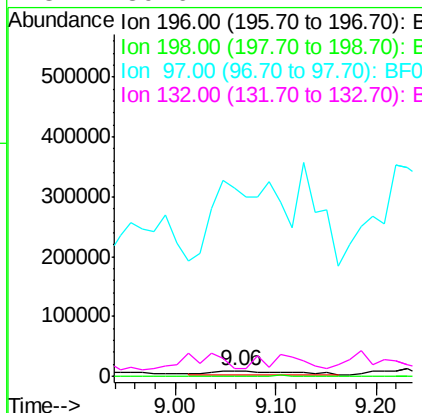
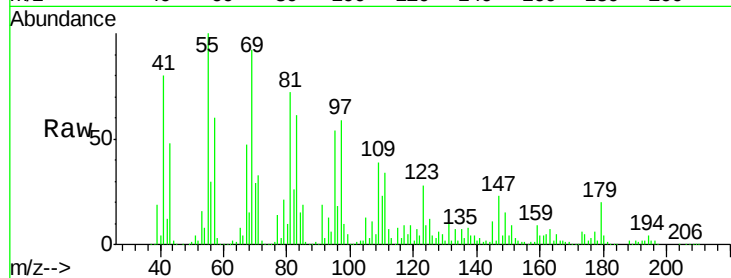




#43
 2,4,5-Trichlorophenol
 Concen: 6.66 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

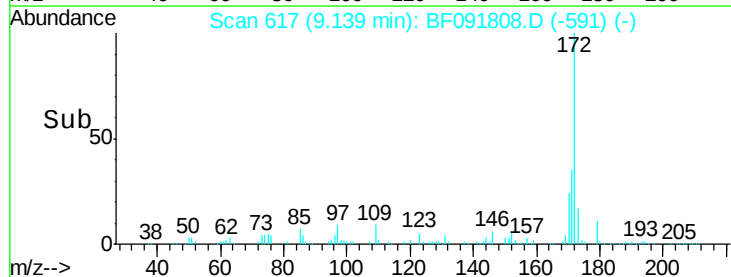
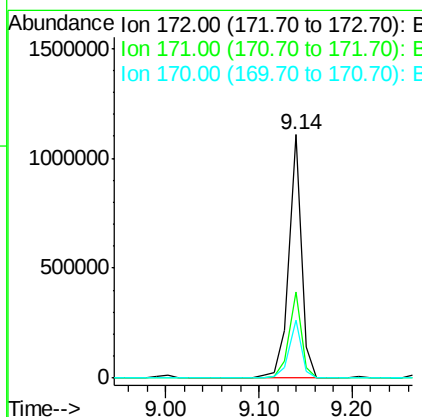
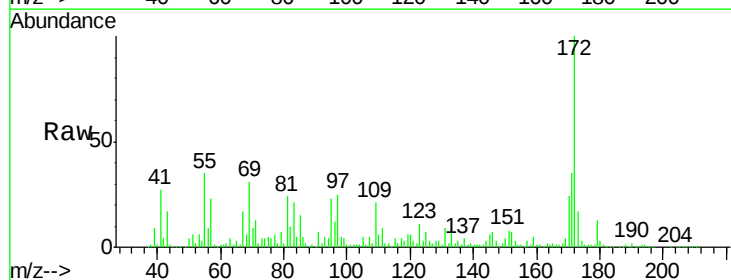
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

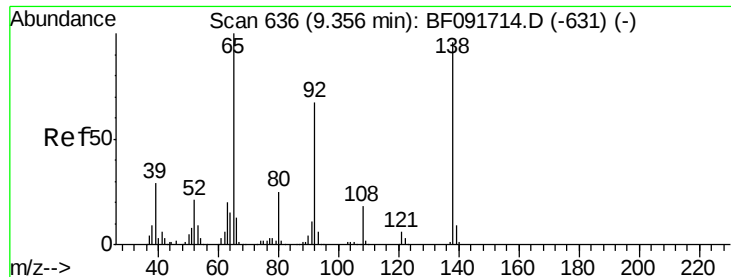
Tgt Ion:196 Resp: 38043
 Ion Ratio Lower Upper
 196 100
 198 0.0 79.4 119.2#
 97 3448.3 51.5 77.3#
 132 139.6 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 64.25 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Tgt Ion:172 Resp: 1044481
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.4 44.0
 170 23.8 20.2 30.4





#47

2-Nitroaniline

Concen: 4.96 ng

RT: 9.30 min Scan# 631

Delta R.T. -0.06 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

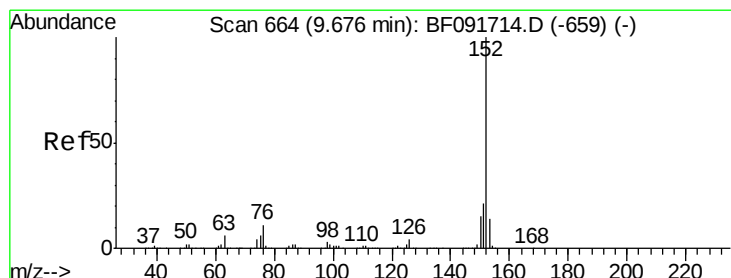
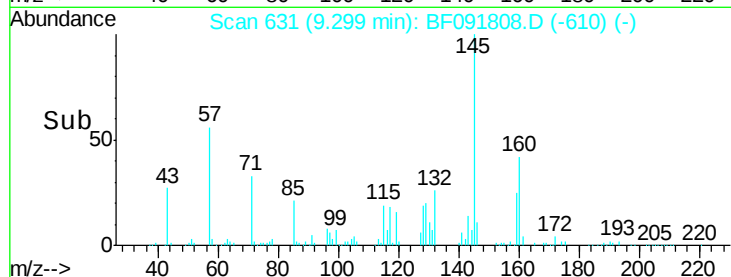
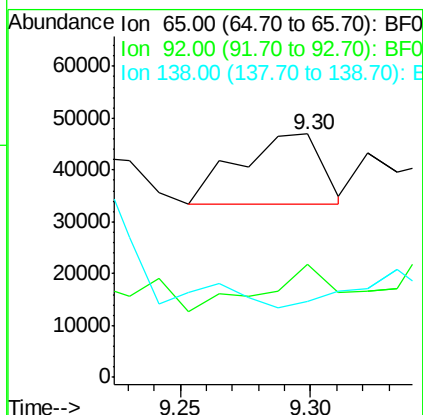
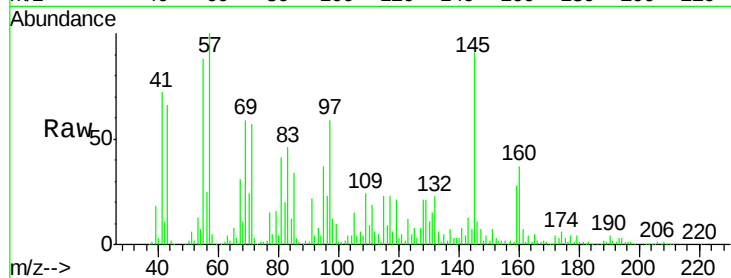
Tgt Ion: 65 Resp: 29643

Ion Ratio Lower Upper

65 100

92 46.3 53.9 80.9#

138 31.3 76.8 115.2#



#48

Acenaphthylene

Concen: 2.18 ng

RT: 9.68 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

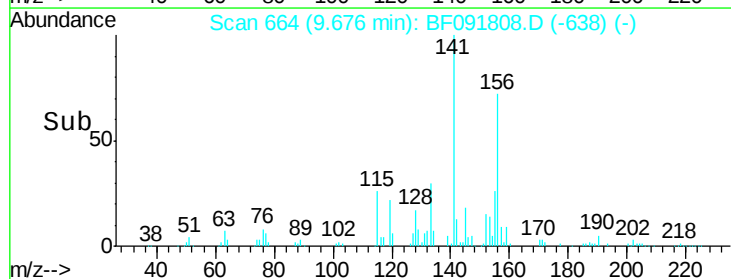
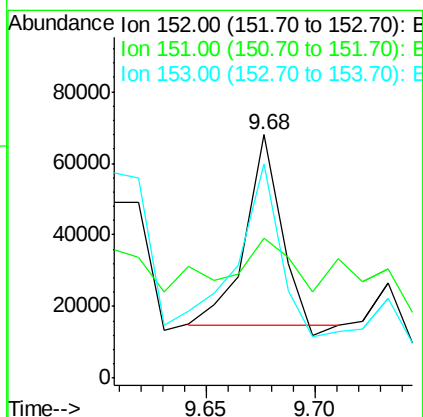
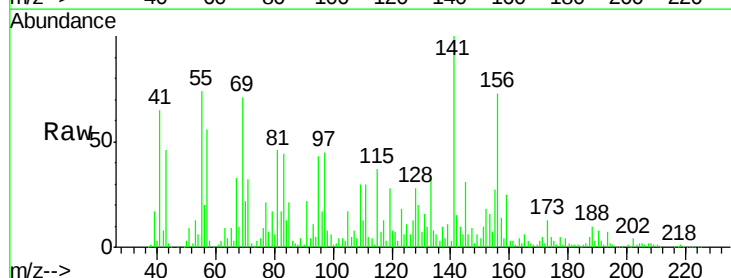
Tgt Ion: 152 Resp: 59043

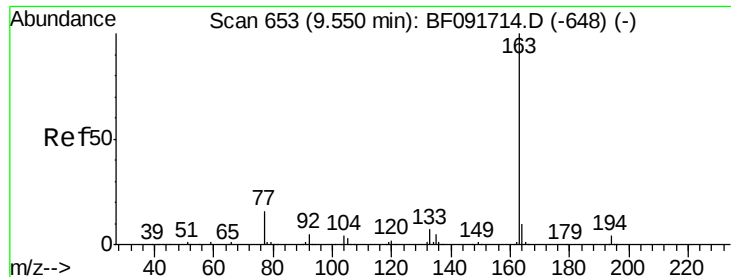
Ion Ratio Lower Upper

152 100

151 57.4 16.9 25.3#

153 88.0 11.4 17.2#

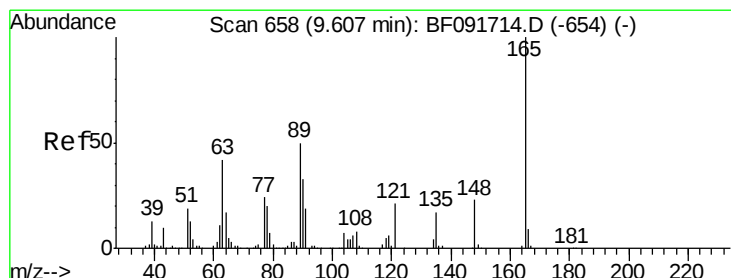
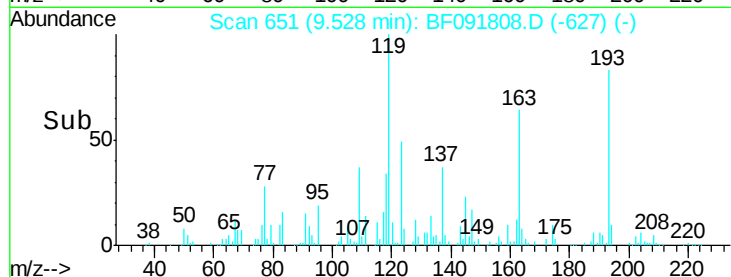
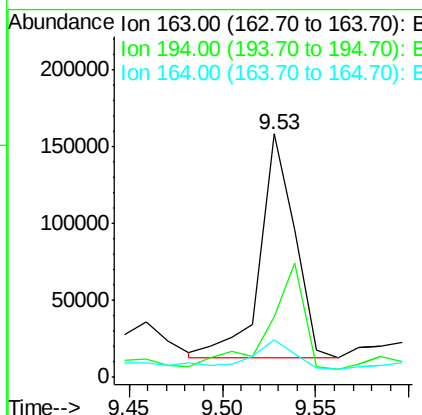
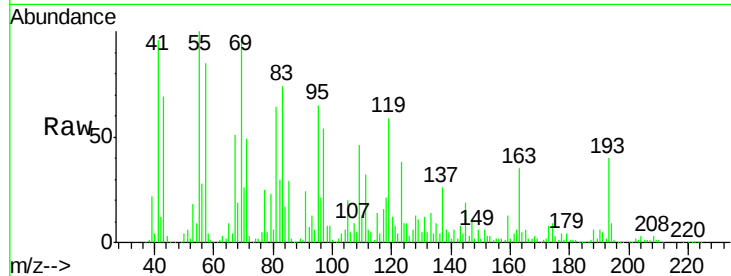




#49
Dimethylphthalate
Concen: 8.89 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

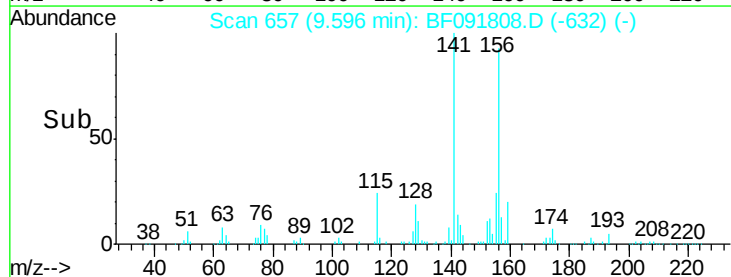
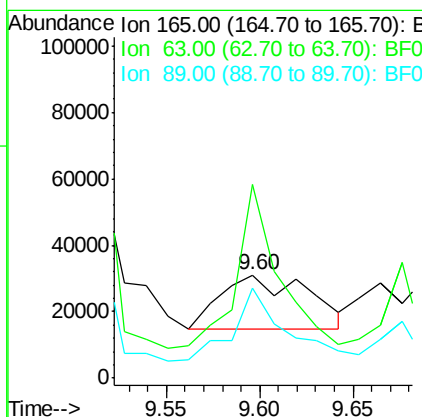
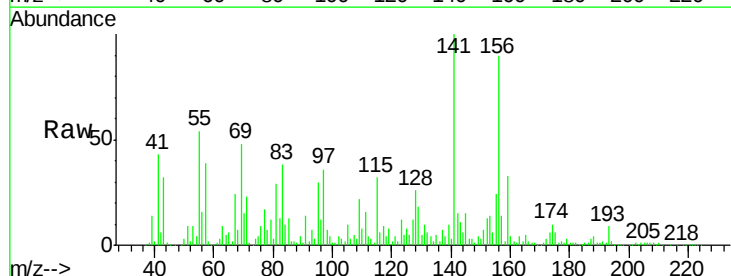
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

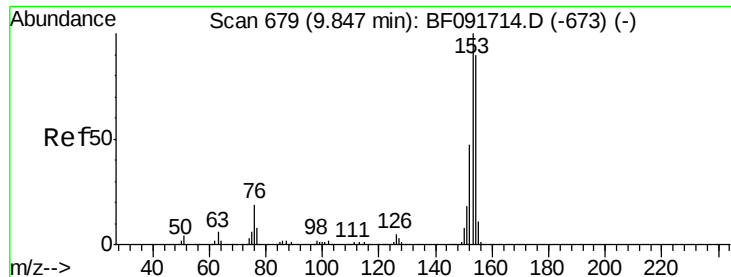
Tgt Ion:163 Resp: 189600
Ion Ratio Lower Upper
163 100
194 24.9 3.0 4.4#
164 15.5 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 11.29 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:165 Resp: 52822
Ion Ratio Lower Upper
165 100
63 187.4 36.2 54.4#
89 87.1 40.2 60.4#





#51

Acenaphthene

Concen: 8.13 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

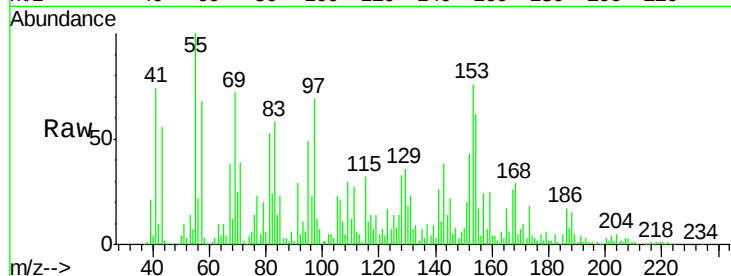
Tgt Ion:154 Resp: 151277

Ion Ratio Lower Upper

154 100

153 123.5 88.6 133.0

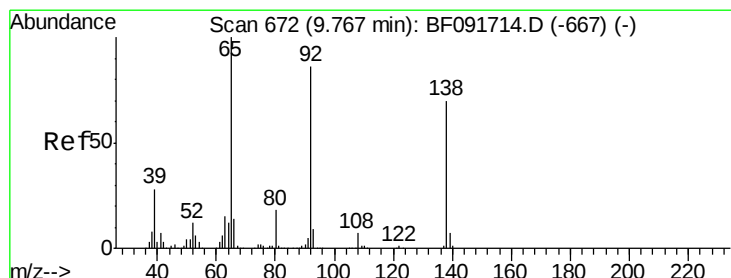
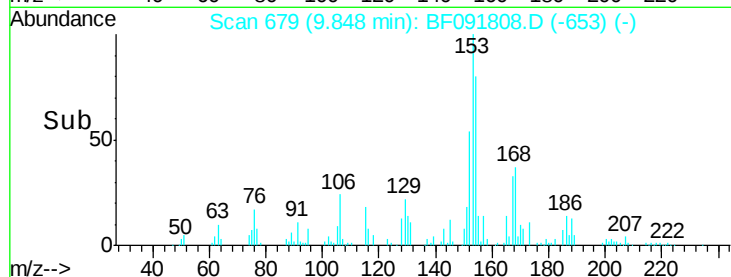
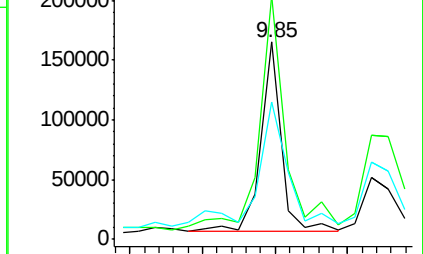
152 69.5 41.6 62.4#



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: 3.56 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

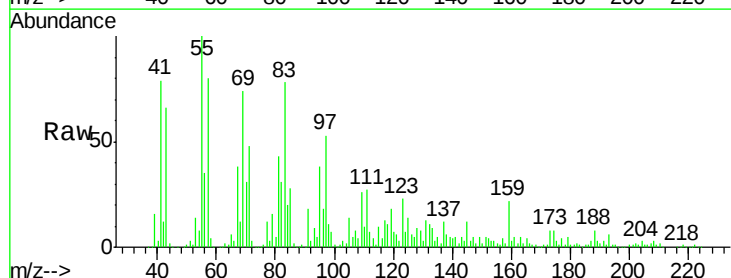
Tgt Ion:138 Resp: 20752

Ion Ratio Lower Upper

138 100

108 64.2 8.5 12.7#

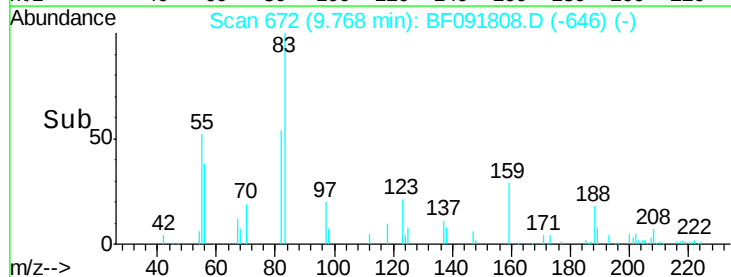
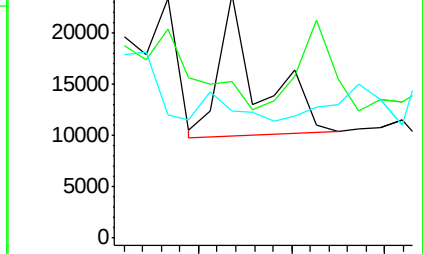
92 52.1 97.8 146.8#

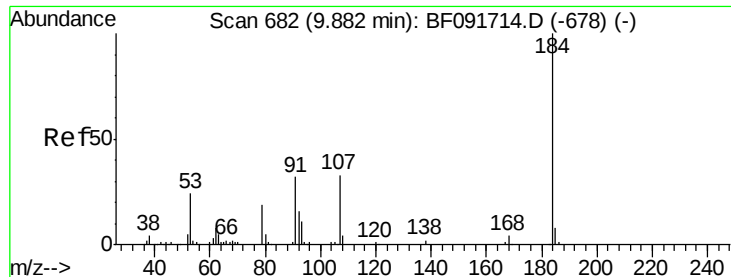


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

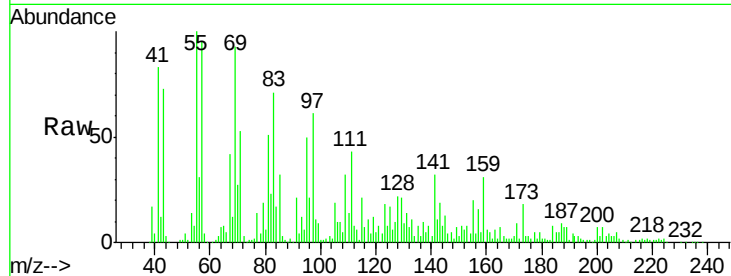




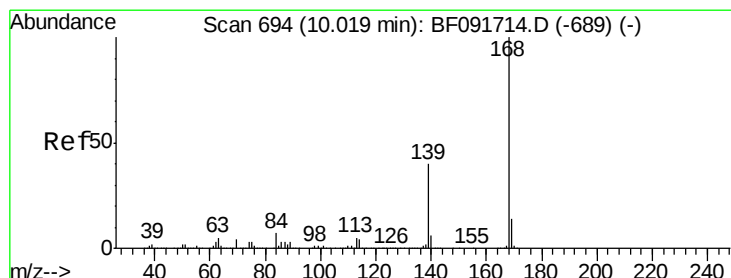
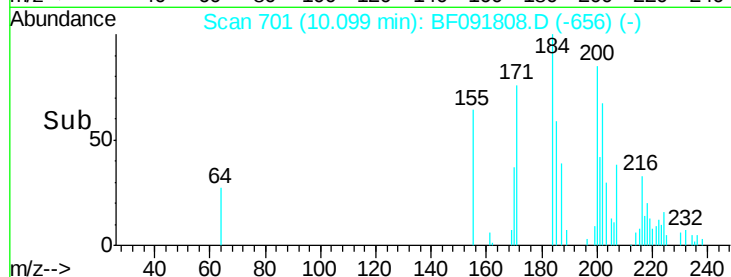
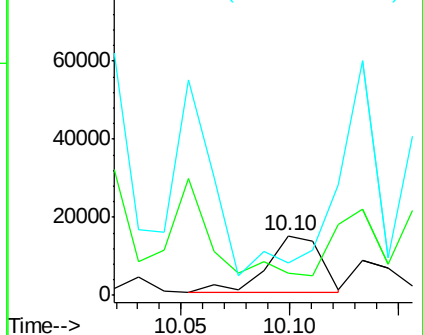
#53
2,4-Dinitrophenol
Concen: 9.95 ng
RT: 10.10 min Scan# 701
Delta R.T. 0.22 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:184 Resp: 25141
Ion Ratio Lower Upper
184 100
63 36.7 28.4 42.6
154 55.7 44.3 66.5

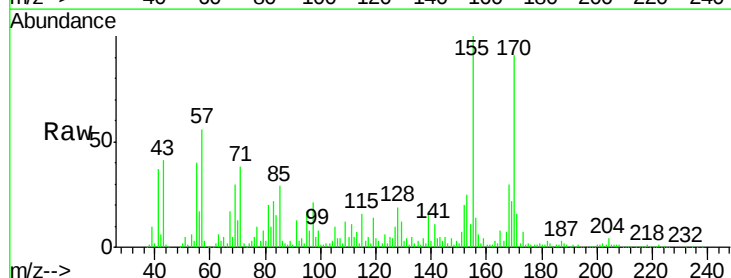


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

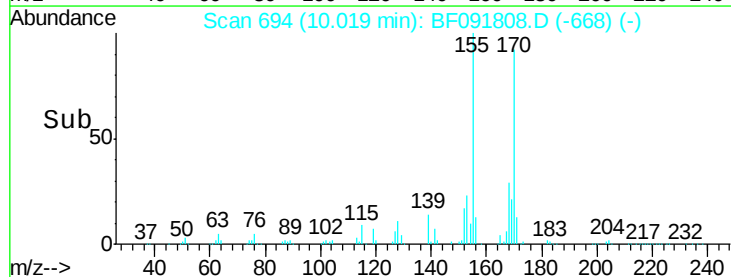
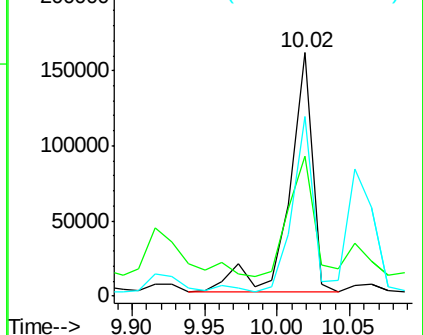


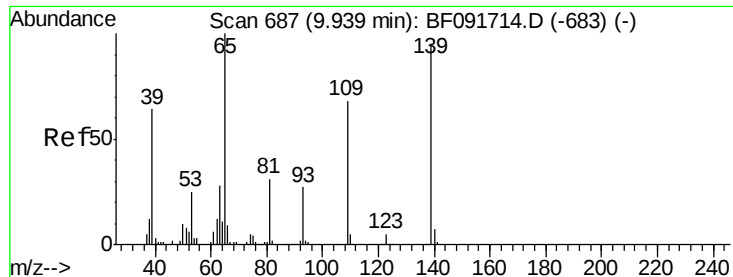
#54
Dibenzofuran
Concen: 7.99 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:168 Resp: 176802
Ion Ratio Lower Upper
168 100
139 57.7 32.6 49.0#
169 73.9 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

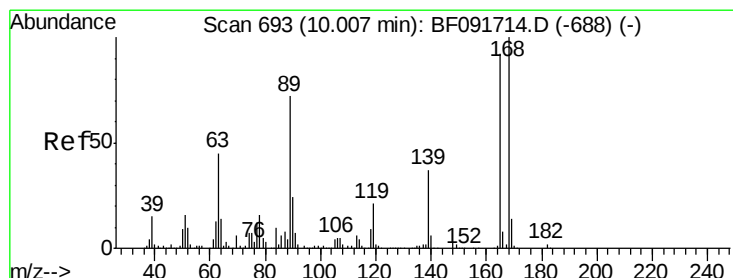
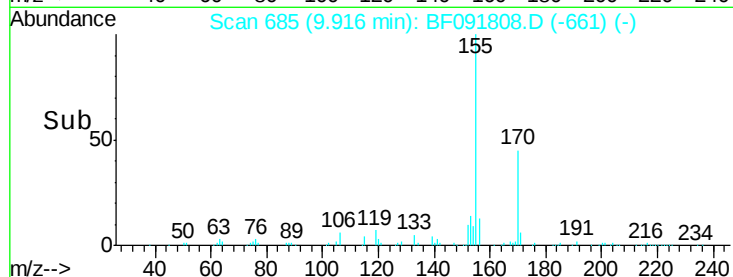
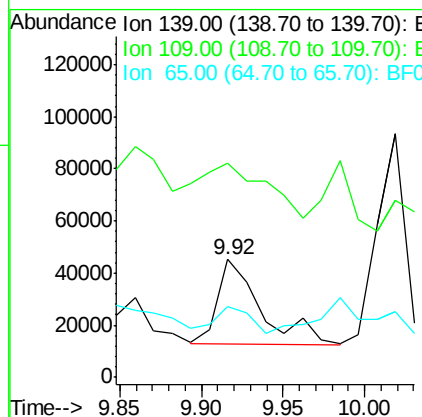
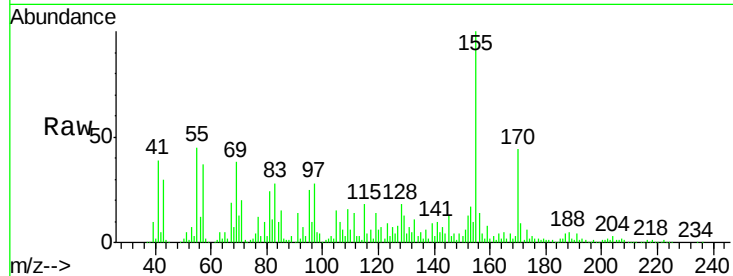




#55
4-Nitrophenol
Concen: 14.64 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.02 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

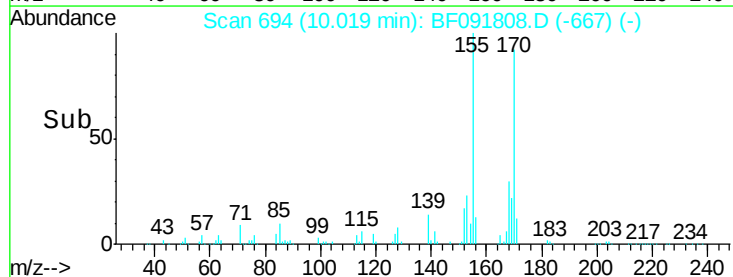
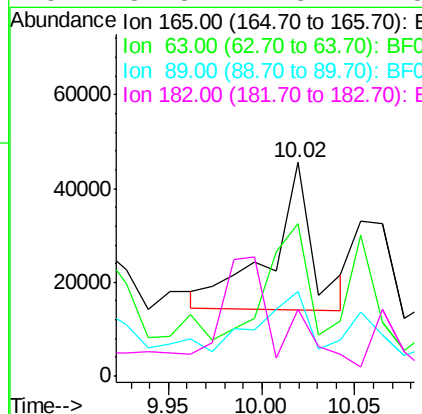
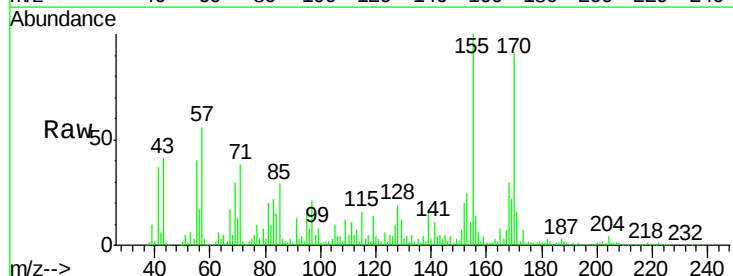
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

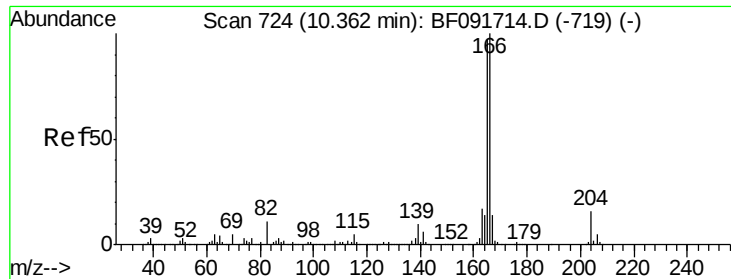
Tgt Ion:139 Resp: 59209
Ion Ratio Lower Upper
139 100
109 181.7 52.2 92.2#
65 60.0 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 8.49 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:165 Resp: 49635
Ion Ratio Lower Upper
165 100
63 71.2 40.2 60.4#
89 39.7 62.5 93.7#
182 31.3 1.8 2.8#





#57

Fluorene

Concen: 14.02 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

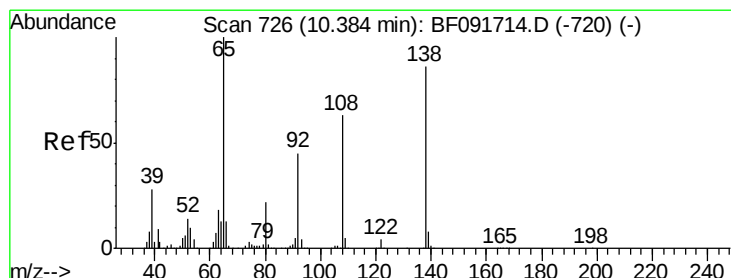
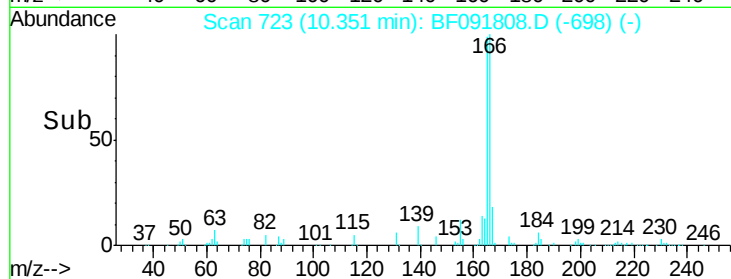
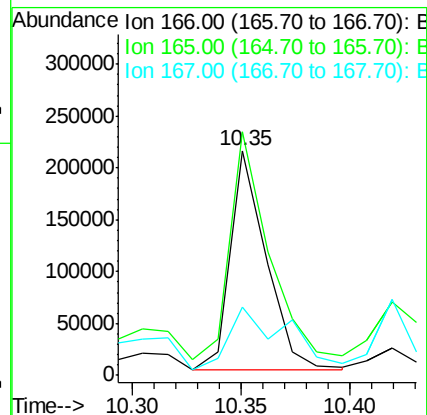
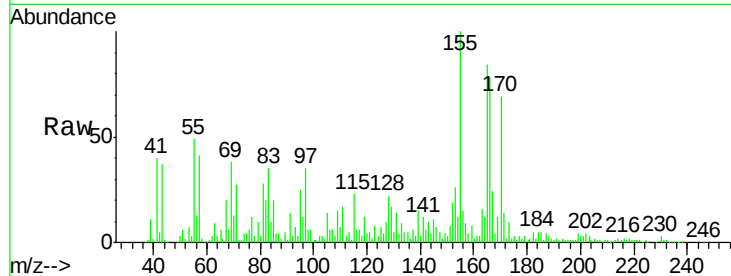
Tgt Ion:166 Resp: 240863

Ion Ratio Lower Upper

166 100

165 108.3 77.8 116.8

167 30.5 10.8 16.2#



#61

4-Nitroaniline

Concen: 2.09 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.11 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

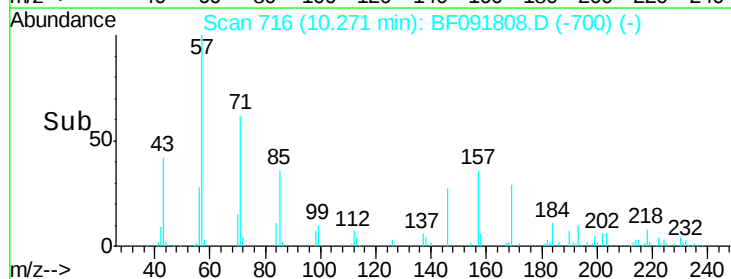
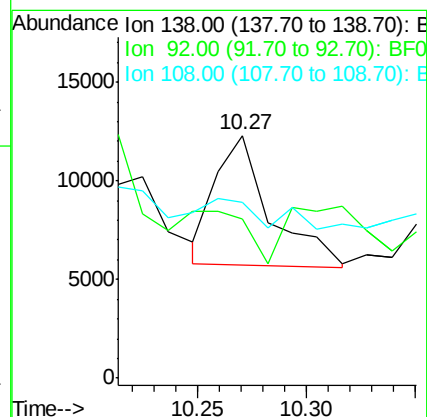
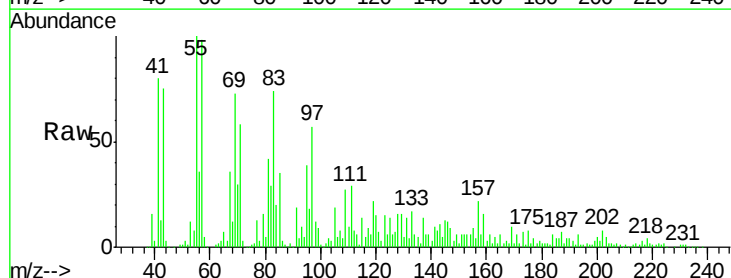
Tgt Ion:138 Resp: 11550

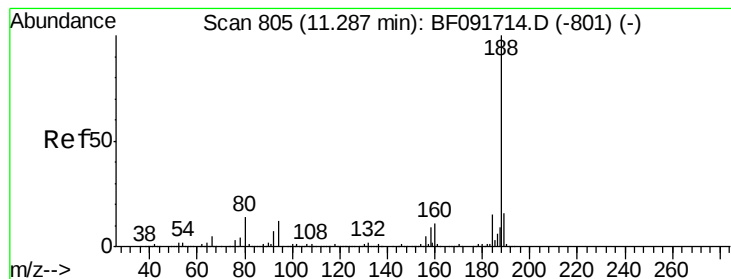
Ion Ratio Lower Upper

138 100

92 65.6 31.7 71.7

108 72.7 52.6 92.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

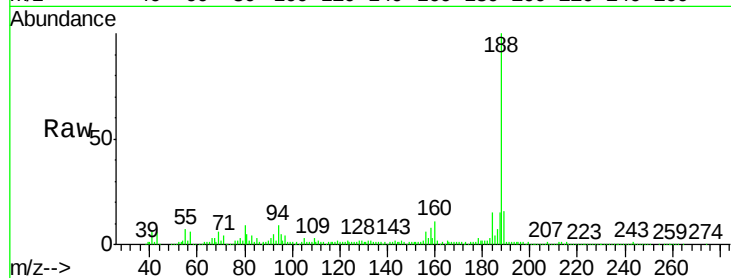
Tgt Ion:188 Resp: 706023

Ion Ratio Lower Upper

188 100

94 8.6 10.0 15.0#

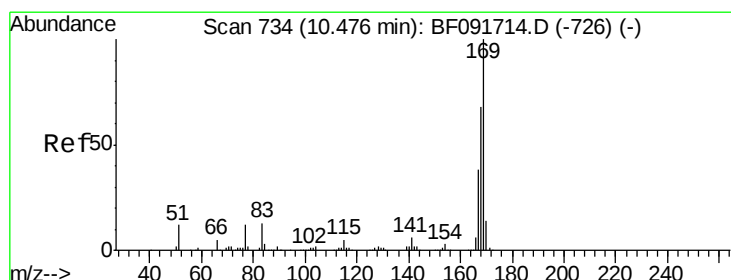
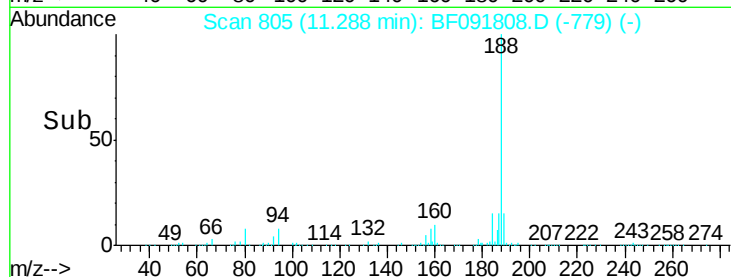
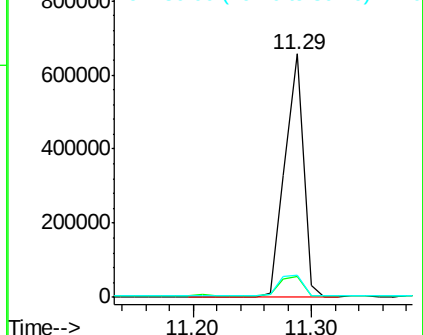
80 9.0 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 8.13 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

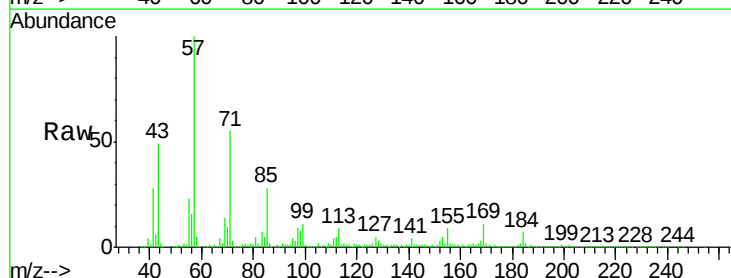
Tgt Ion:169 Resp: 178283

Ion Ratio Lower Upper

169 100

168 25.5 54.2 81.2#

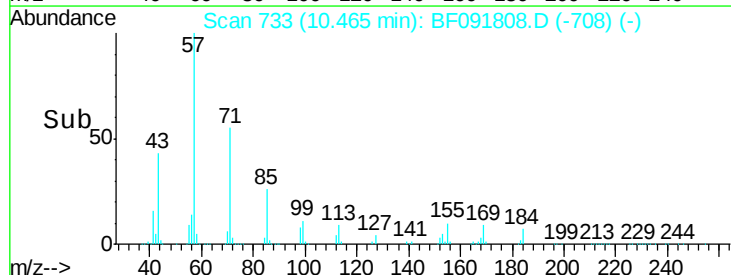
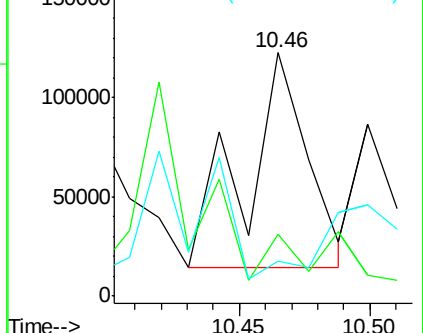
167 14.3 30.2 45.4#

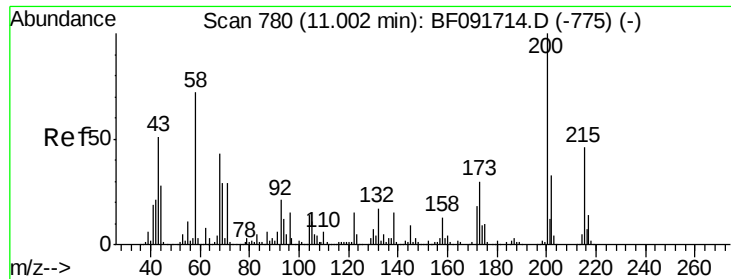


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 5.96 ng

RT: 11.23 min Scan# 800

Delta R.T. 0.23 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

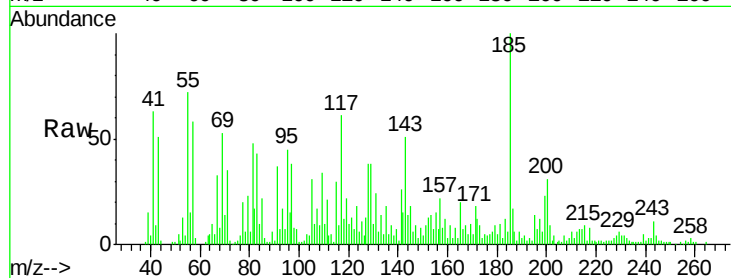
Tgt Ion:200 Resp: 39455

Ion Ratio Lower Upper

200 100

173 30.4 9.6 49.6

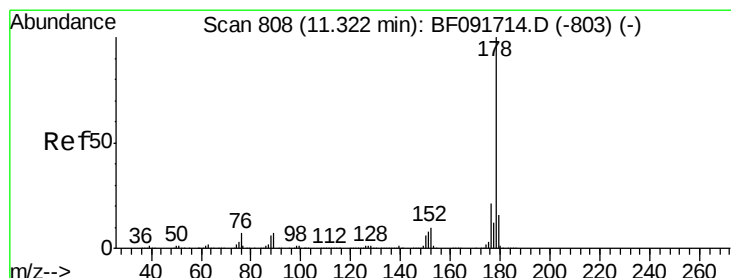
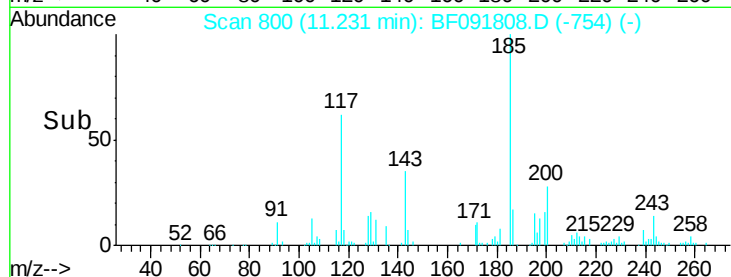
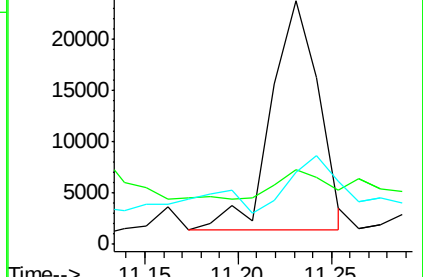
215 29.5 25.7 65.7



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Phenanthrene

Concen: 45.77 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

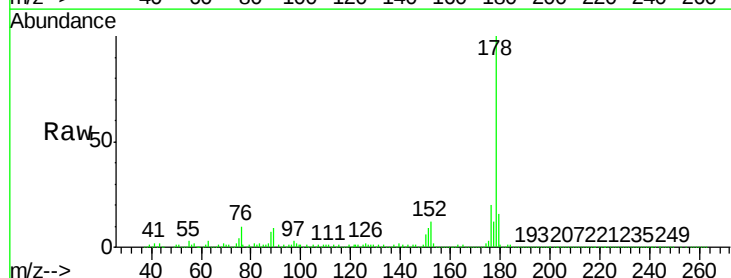
Tgt Ion:178 Resp: 1614680

Ion Ratio Lower Upper

178 100

176 20.4 16.6 25.0

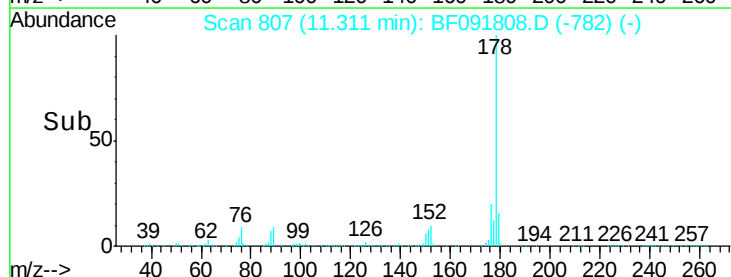
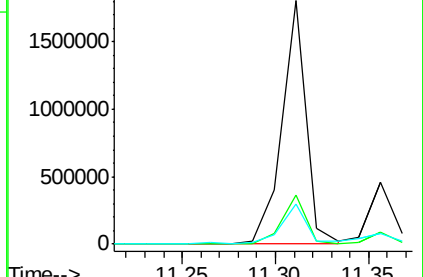
179 16.5 12.8 19.2

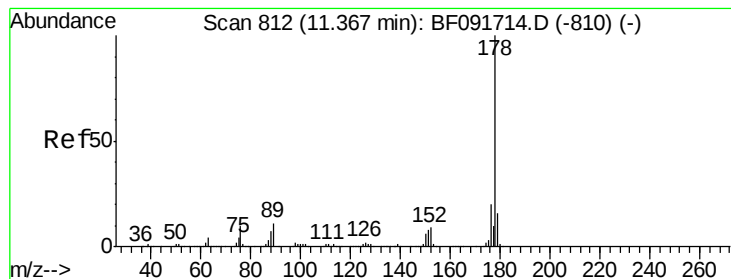


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 10.73 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

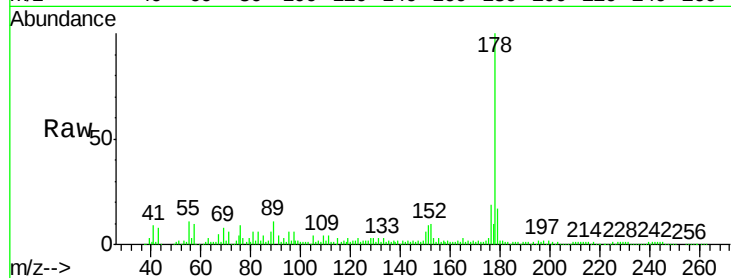
Tgt Ion:178 Resp: 400807

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

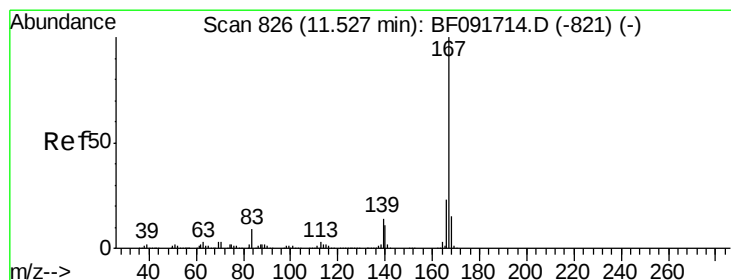
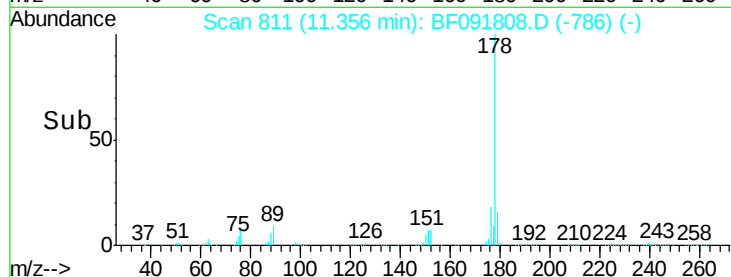
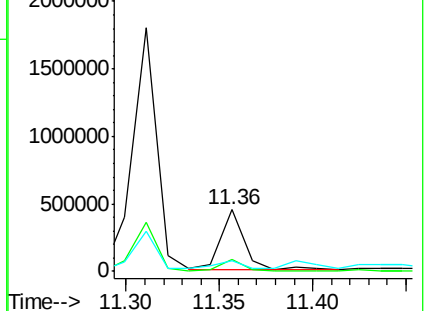
179 16.9 13.2 19.8



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: 3.47 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

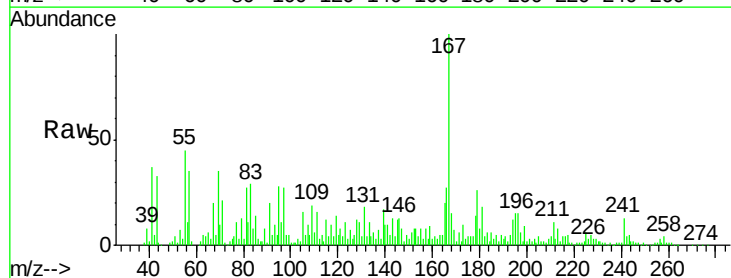
Tgt Ion:167 Resp: 113407

Ion Ratio Lower Upper

167 100

166 27.0 18.2 27.2

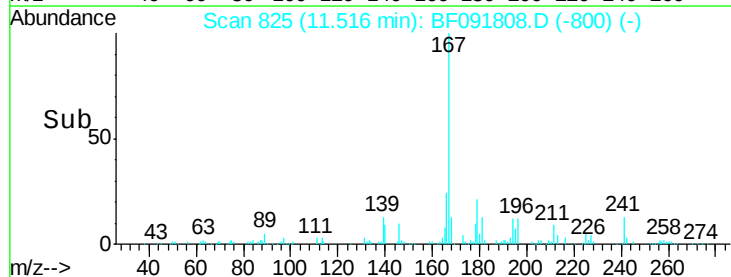
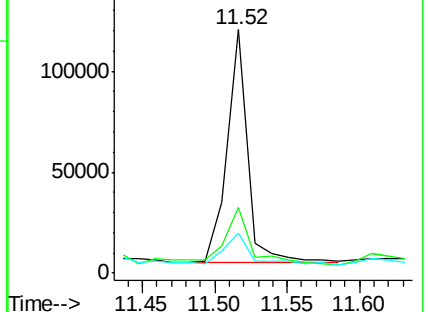
139 16.6 11.4 17.2

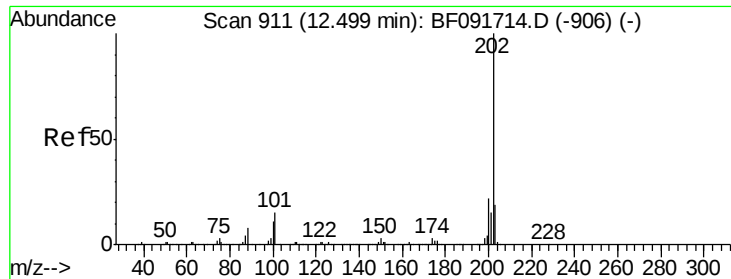


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 39.72 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

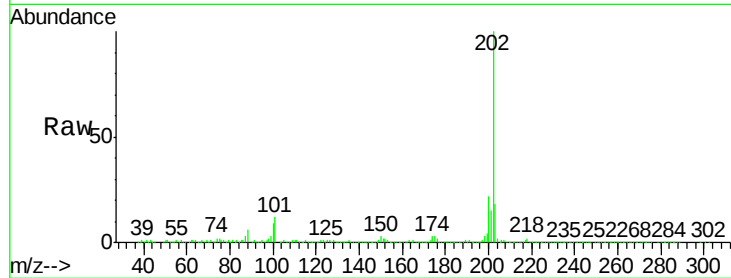
Tgt Ion:202 Resp: 1463390

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.6

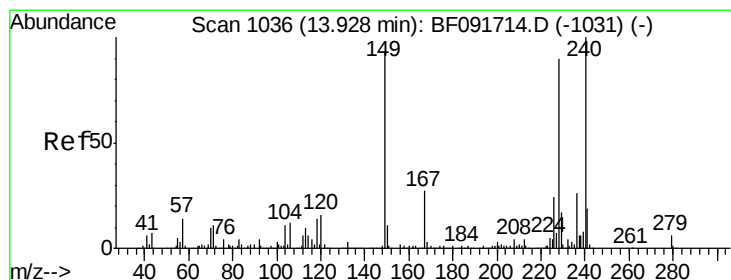
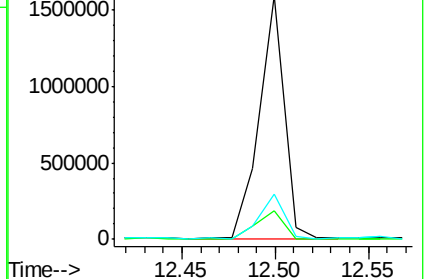
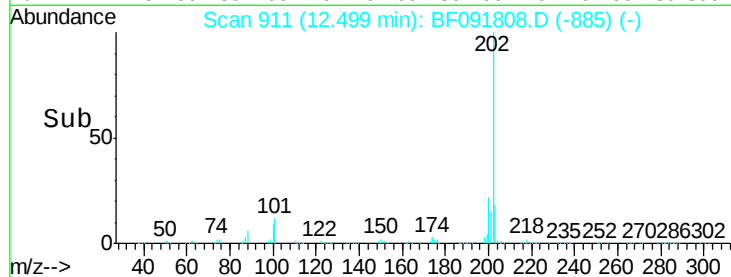
203 18.5 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

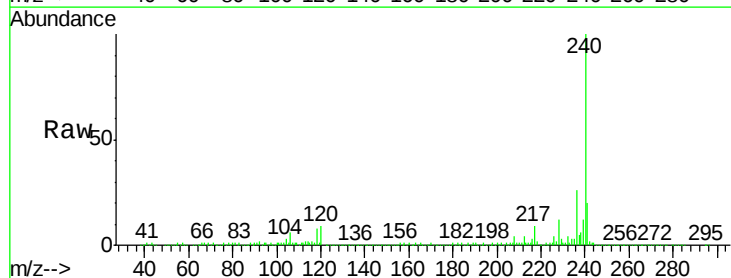
Tgt Ion:240 Resp: 622944

Ion Ratio Lower Upper

240 100

120 8.8 12.9 19.3#

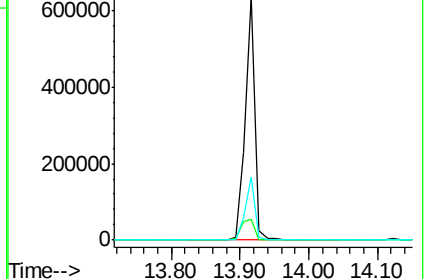
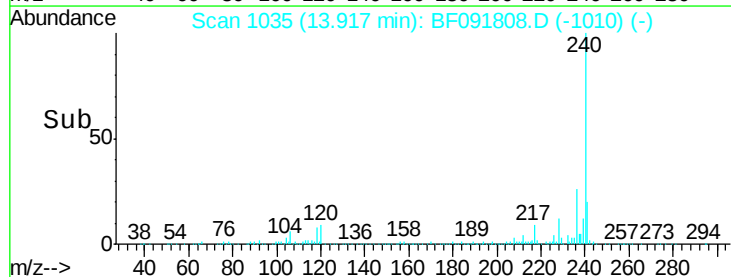
236 26.0 20.9 31.3

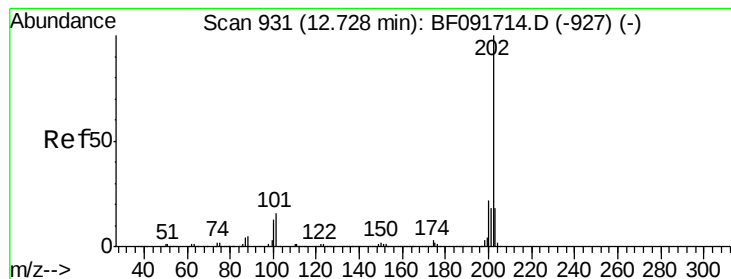


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 34.04 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

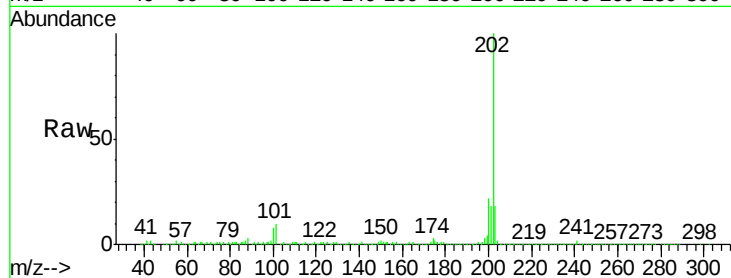
Tgt Ion:202 Resp: 1531345

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

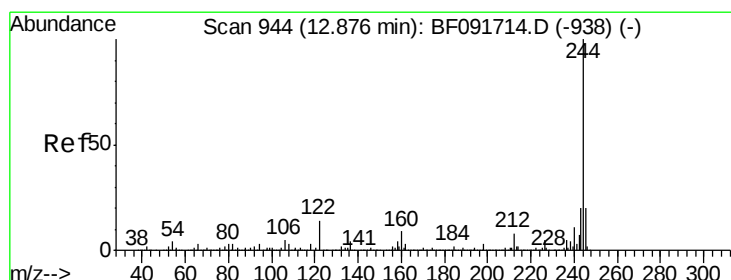
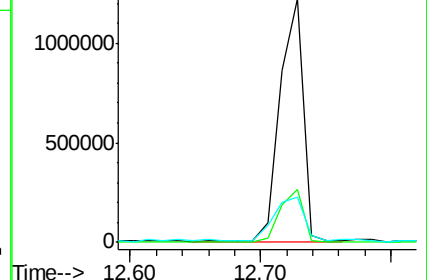
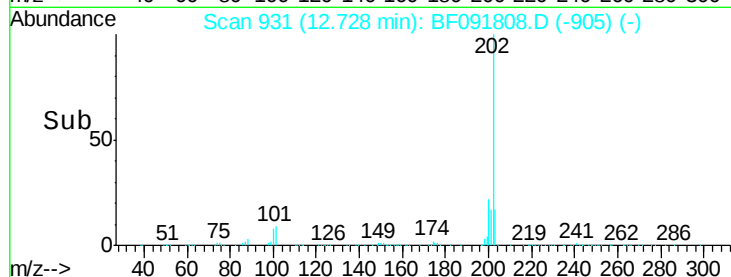
203 18.4 14.7 22.1



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: 43.66 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

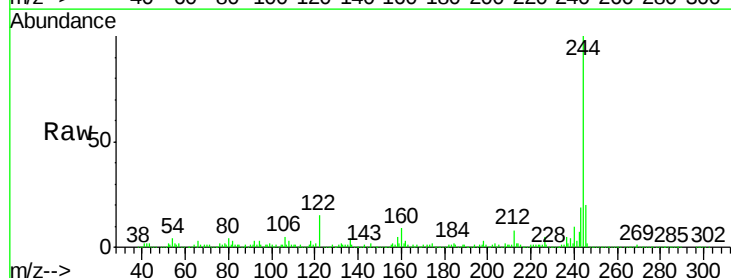
Tgt Ion:244 Resp: 1077152

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

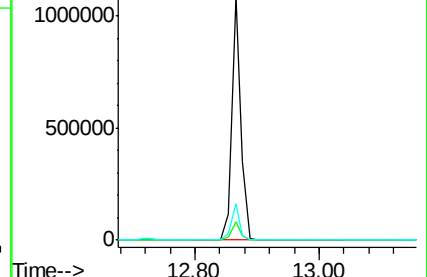
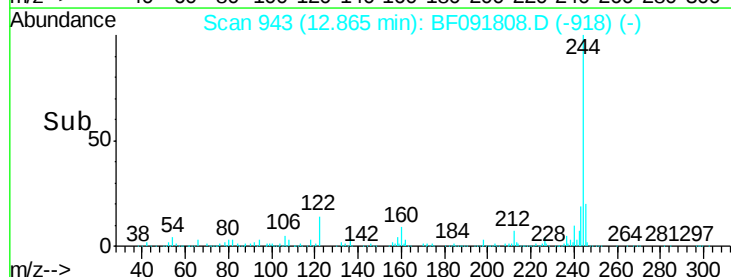
122 14.6 11.4 17.2

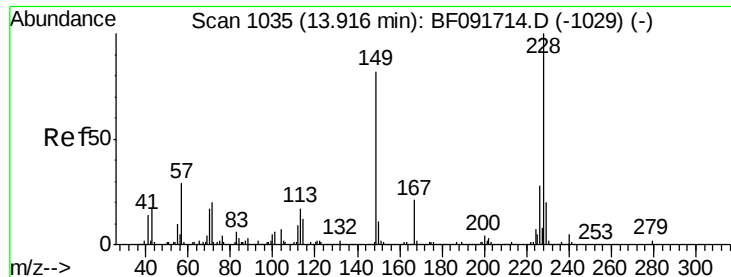


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.62 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

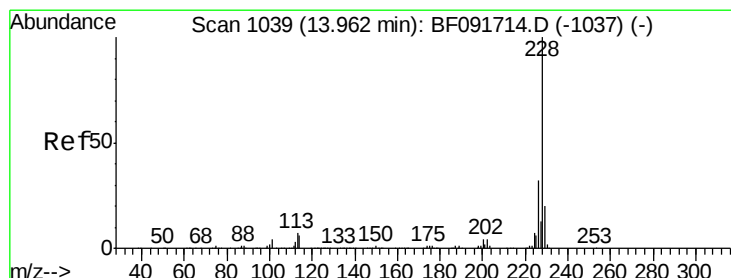
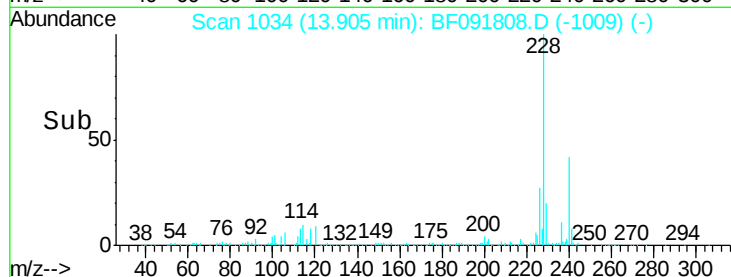
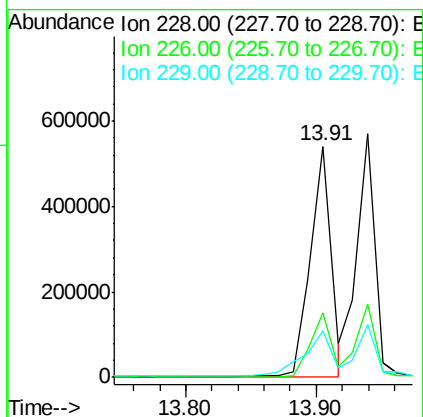
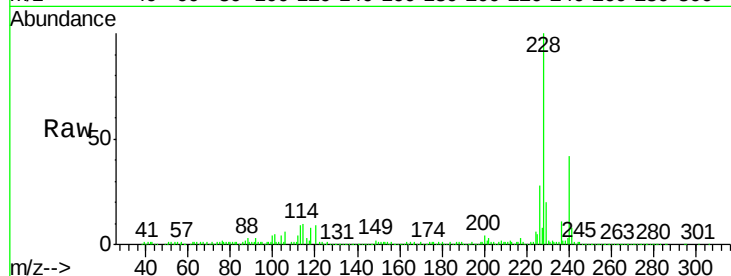
Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

Tgt Ion:	228	Resp:	592133
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.4	33.6
229	20.2	16.2	24.4



#82

Chrysene

Concen: 16.03 ng

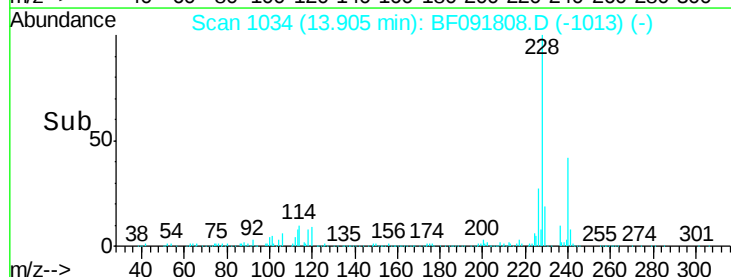
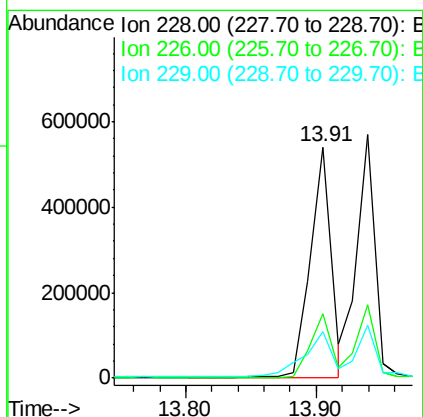
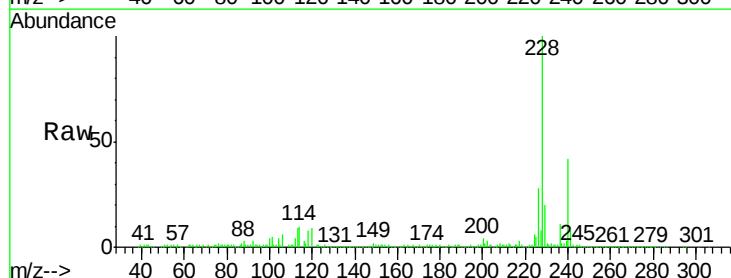
RT: 13.91 min Scan# 1034

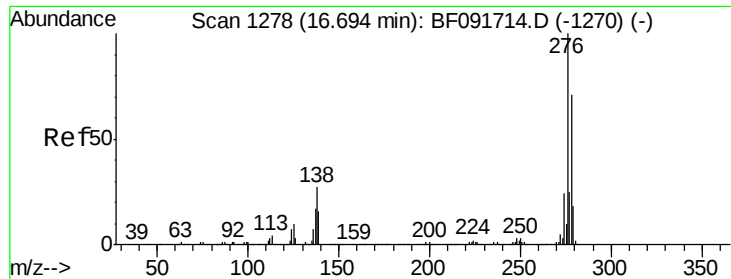
Delta R.T. -0.06 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Tgt Ion:	228	Resp:	592133
Ion	Ratio	Lower	Upper
228	100		
226	27.7	25.4	38.0
229	20.2	16.2	24.2

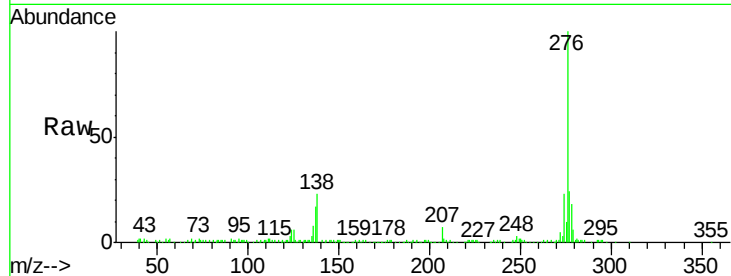




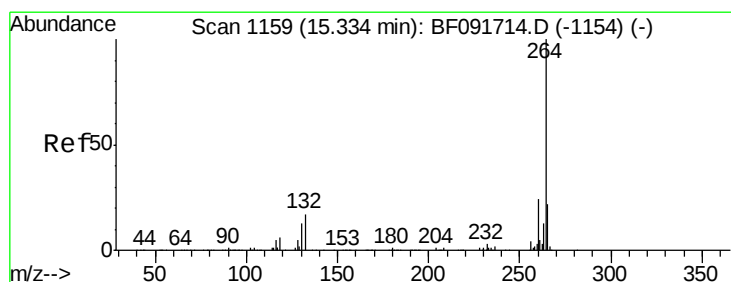
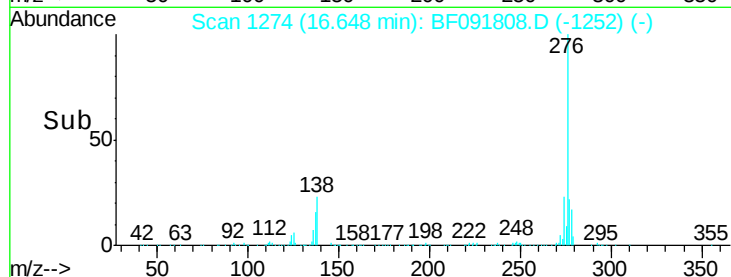
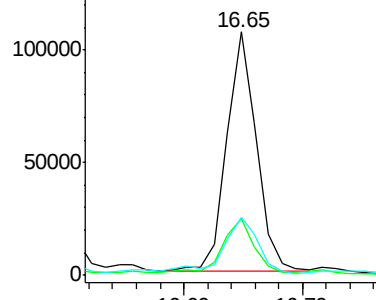
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.14 ng
 RT: 16.65 min Scan# 1274
 Delta R.T. -0.05 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.8	32.6
277	30.2	20.2	30.4

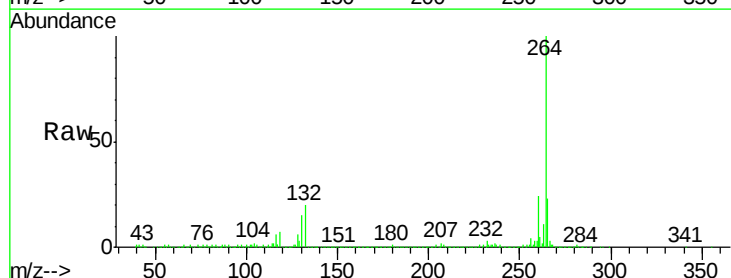


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

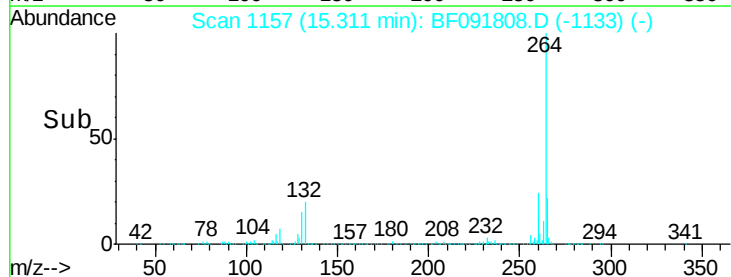
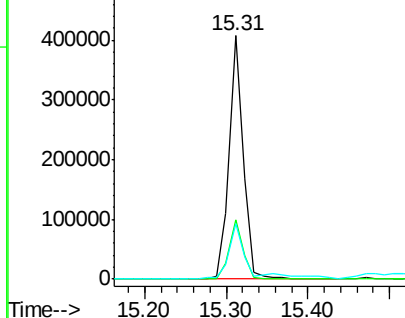


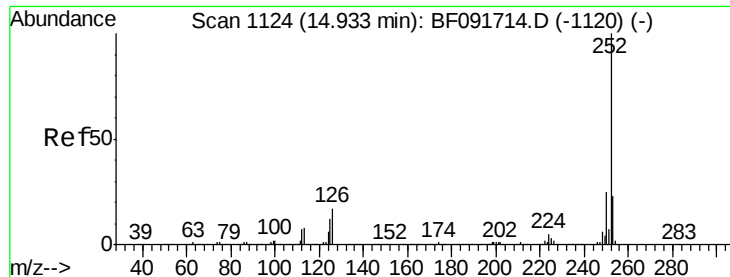
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: BF091808.D
 Acq: 20 Dec 2016 9:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.6	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.94 ng

RT: 14.92 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

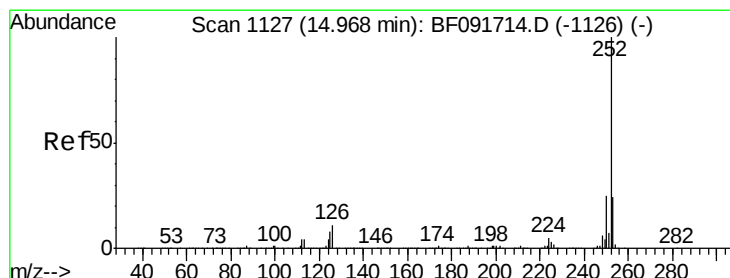
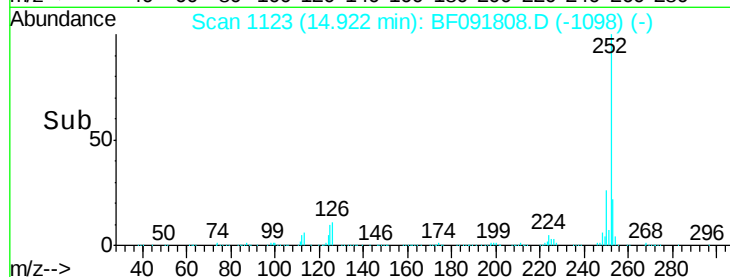
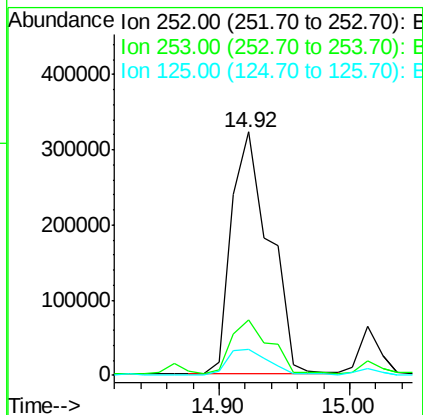
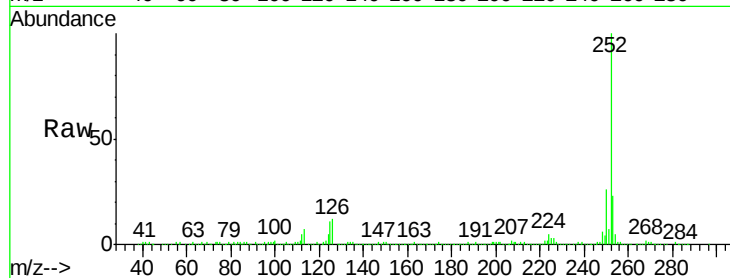
Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

Tgt Ion:	252	Resp:	650651
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.2	27.4
125	10.9	9.8	14.6



#88

Benzo(k)fluoranthene

Concen: 29.85 ng

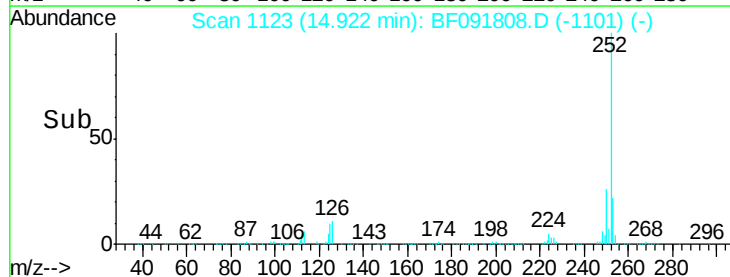
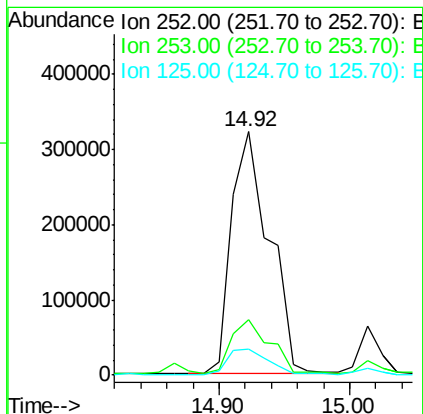
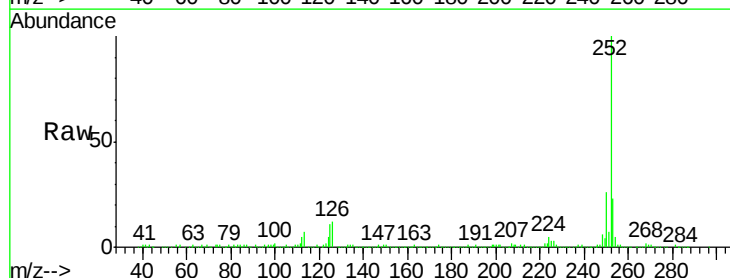
RT: 14.92 min Scan# 1123

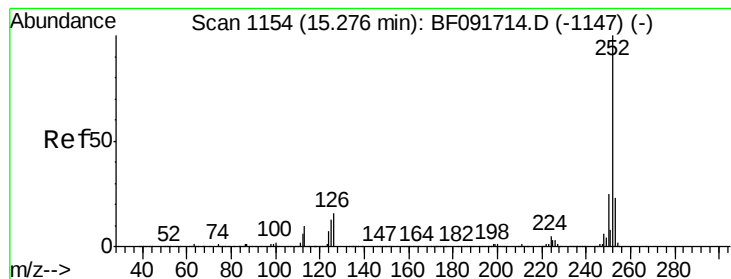
Delta R.T. -0.04 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Tgt Ion:	252	Resp:	650651
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.5	27.7
125	10.9	8.9	13.3





#89

Benzo(a)pyrene

Concen: 13.61 ng

RT: 15.25 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

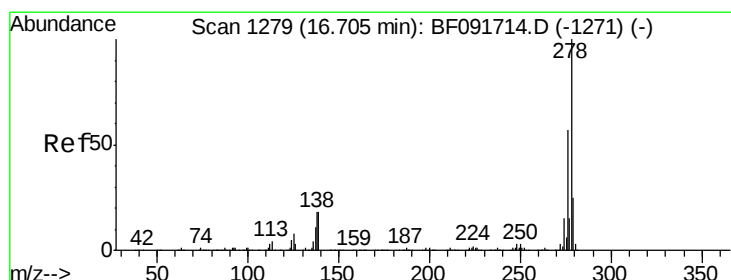
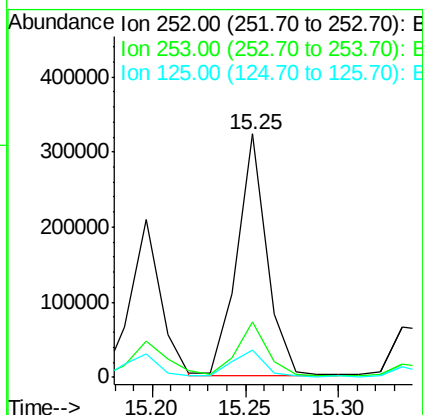
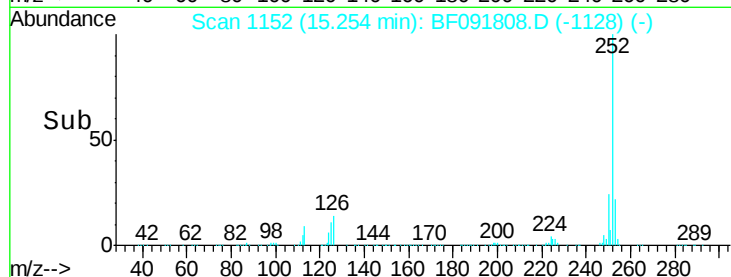
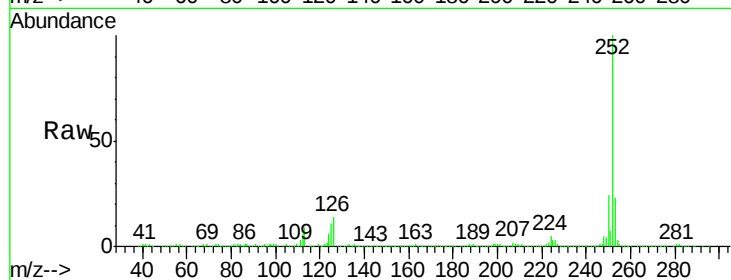
Tgt Ion:252 Resp: 362999

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 11.3 10.0 15.0



#90

Dibenzo(a,h)anthracene

Concen: 2.04 ng

RT: 16.66 min Scan# 1275

Delta R.T. -0.05 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

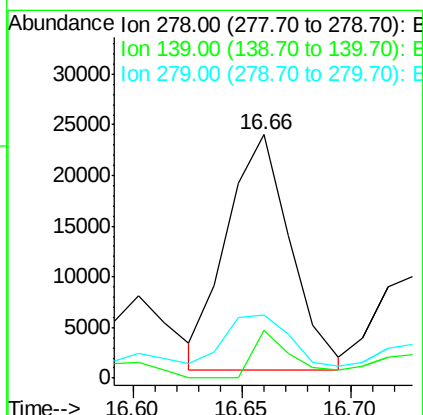
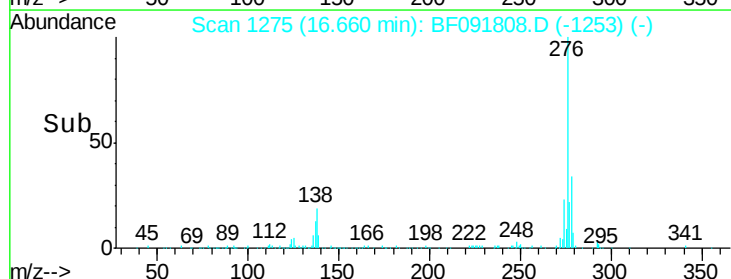
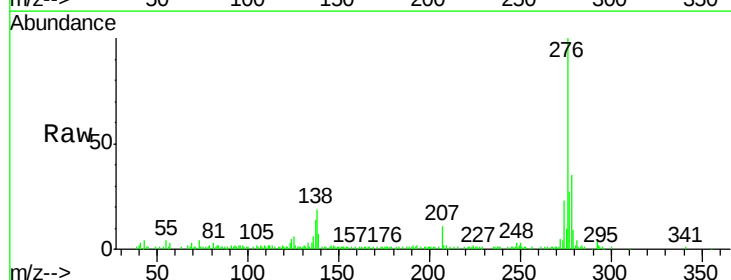
Tgt Ion:278 Resp: 47312

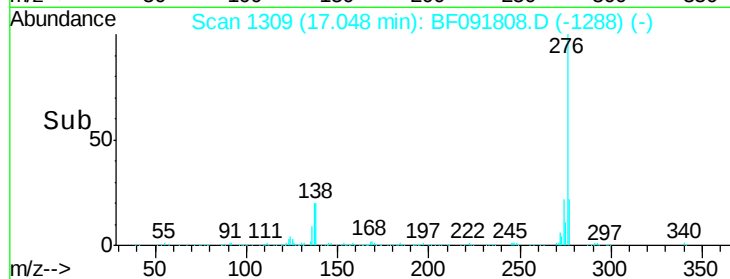
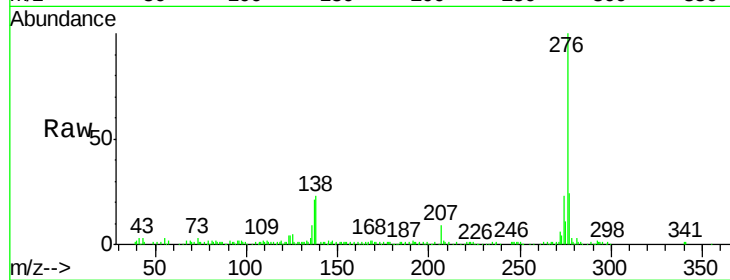
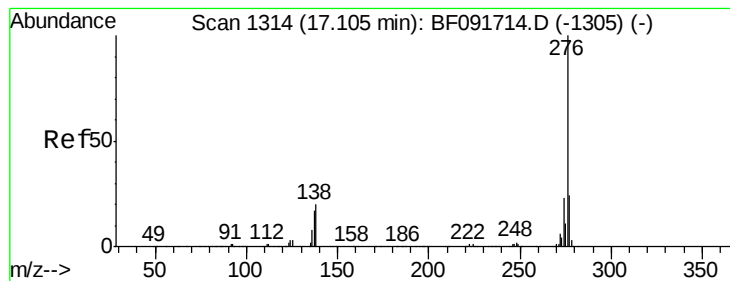
Ion Ratio Lower Upper

278 100

139 19.9 14.8 22.2

279 26.2 19.8 29.6





#91

Benzo(g,h,i)perylene

Concen: 7.95 ng

RT: 17.05 min Scan# 1309

Delta R.T. -0.06 min

Lab File: BF091808.D

Acq: 20 Dec 2016 9:47

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

Tgt Ion: 276 Resp: 187757

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 23.0 16.0 24.0

