

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091566.D
 Acq On : 13 Dec 2016 20:52
 Operator : UM/SJ
 Sample : H5994-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-47(6-8)-12-8-16

Quant Time: Dec 14 00:23:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	252193	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	606201	20.00	ng	0.02
38) Acenaphthene-d10	9.88	164	299004	20.00	ng	0.02
63) Phenanthrene-d10	11.34	188	660471	20.00	ng	0.01
75) Chrysene-d12	13.96	240	550954	20.00	ng	0.00
86) Perylene-d12	15.38	264	555971	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	2233159	149.18	ng	0.01
7) Phenol-d6	6.46	99	3095511	165.87	ng	0.01
23) Nitrobenzene-d5	7.39	82	1741426	160.33	ng	0.01
41) 2,4,6-Tribromophenol	10.66	330	526413	211.96	ng	0.02
44) 2-Fluorobiphenyl	9.21	172	1865944	107.83	ng	0.02
78) Terphenyl-d14	12.92	244	1720836	70.87	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	40547	3.16	ng	# 12
10) Phenol	6.48	94	156997	7.20	ng	# 79
15) Benzyl Alcohol	6.98	79	93754	6.36	ng	# 40
18) Hexachloroethane	7.40	117	928368	131.62	ng	# 11
19) n-Nitroso-di-n-propylamine	7.26	70	277494	23.78	ng	# 52
20) 3+4-Methylphenols	7.23	107	23862	Below Cal		# 1
22) Acetophenone	7.17	105	412328	28.39	ng	# 60
24) Nitrobenzene	7.37	77	338795	29.52	ng	# 56
25) Isophorone	7.65	82	874467	45.29	ng	# 1
26) 2-Nitrophenol	7.69	139	39019	7.70	ng	# 1
27) 2,4-Dimethylphenol	7.78	122	112739	12.67	ng	# 1
28) bis(2-Chloroethoxy)methane	7.87	93	25381	2.24	ng	# 1
29) 2,4-Dichlorophenol	7.97	162	77026	9.95	ng	# 1
30) 1,2,4-Trichlorobenzene	8.02	180	40996	4.66	ng	# 65
31) Naphthalene	8.12	128	230661	8.18	ng	# 1
32) Benzoic acid	7.92	122	91732	17.80	ng	# 10
33) 4-Chloroaniline	8.18	127	111187	9.15	ng	# 1
35) Caprolactam	8.58	113	705070	311.94	ng	# 87
36) 4-Chloro-3-methylphenol	8.66	107	125820	14.49	ng	# 27
37) 2-Methylnaphthalene	8.84	142	65083	3.57	ng	# 32
42) 2,4,6-Trichlorophenol	9.13	196	71379	13.55	ng	# 13
43) 2,4,5-Trichlorophenol	9.13	196	71379	13.18	ng	# 1
47) 2-Nitroaniline	9.44	65	38173	6.77	ng	# 1
48) Acenaphthylene	9.74	152	82974	3.25	ng	# 1
49) Dimethylphthalate	9.58	163	222758	11.77	ng	# 69
50) 2,6-Dinitrotoluene	9.65	165	84470	20.33	ng	# 80
51) Acenaphthene	9.90	154	67073	3.78	ng	# 63
52) 3-Nitroaniline	9.84	138	65154	13.35	ng	# 36
53) 2,4-Dinitrophenol	9.92	184	1894	3.26	ng	# 1
54) Dibenzofuran	10.08	168	122625	5.58	ng	# 11
55) 4-Nitrophenol	9.98	139	98524	27.13	ng	# 4
56) 2,4-Dinitrotoluene	10.08	165	44185	8.48	ng	# 54
57) Fluorene	10.42	166	196821	8.50	ng	# 82
61) 4-Nitroaniline	10.33	138	15854	3.27	ng	# 84

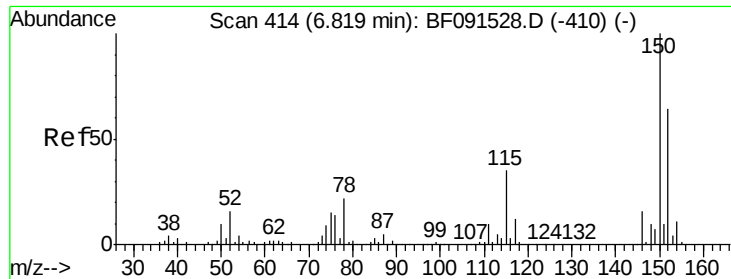
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 4,6-Dinitro-2-methylphenol	10.51	198	6036	4.36	ng	# 1
65) n-Nitrosodiphenylamine	10.52	169	275113	13.97	ng	# 45
68) Atrazine	11.29	200	144777	22.87	ng	# 78
70) Phenanthrene	11.36	178	271564	8.30	ng	# 93
74) Fluoranthene	12.56	202	270945	7.91	ng	# 97
77) Pyrene	12.77	202	260933	5.97	ng	# 97
80) Benzo(a)anthracene	13.95	228	104907	3.28	ng	# 97
82) Chrysene	13.95	228	104907	3.13	ng	# 93
83) Bis(2-ethylhexyl)phthalate	13.95	149	77051	3.52	ng	# 94
87) Benzo(b)fluoranthene	14.98	252	141502	4.27	ng	# 91
88) Benzo(k)fluoranthene	14.98	252	141502	4.86	ng	# 92
89) Benzo(a)pyrene	15.31	252	74250	2.49	ng	# 88

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

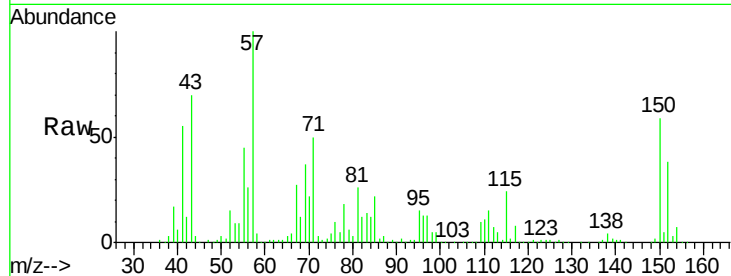
Tgt Ion:152 Resp: 252193

Ion Ratio Lower Upper

152 100

150 155.3 122.5 183.7

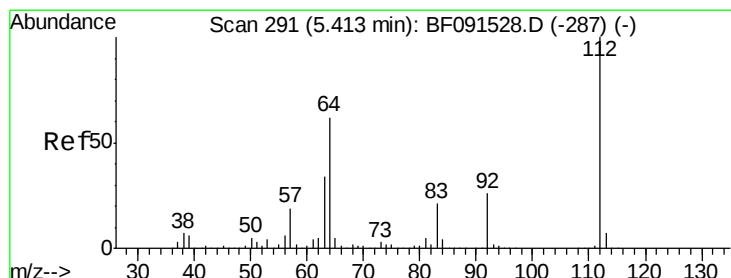
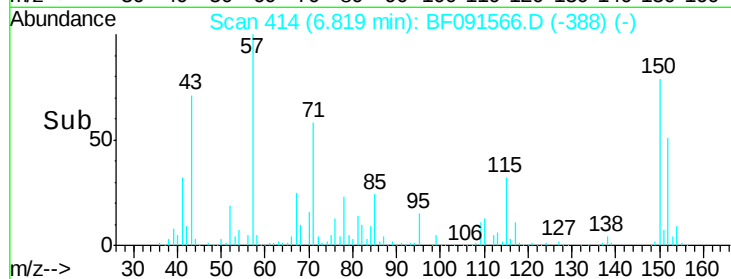
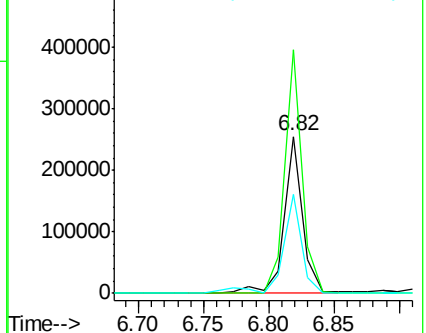
115 63.0 51.8 77.8



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: 149.18 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

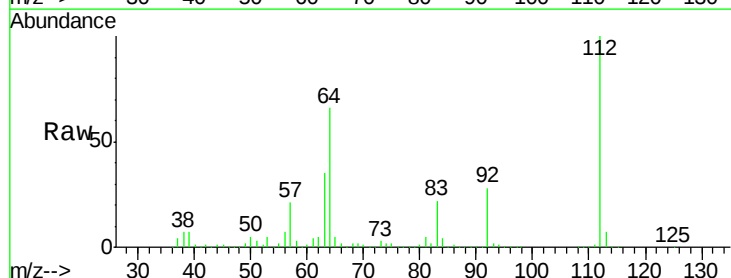
Tgt Ion:112 Resp: 2233159

Ion Ratio Lower Upper

112 100

64 65.7 61.5 92.3

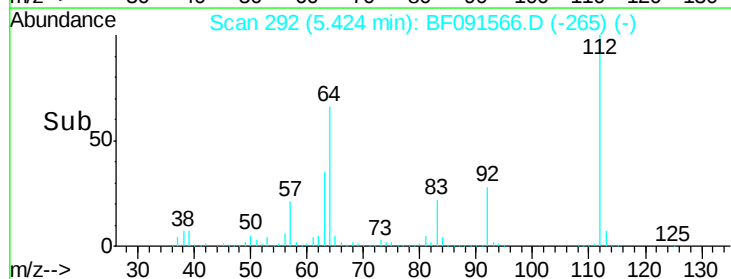
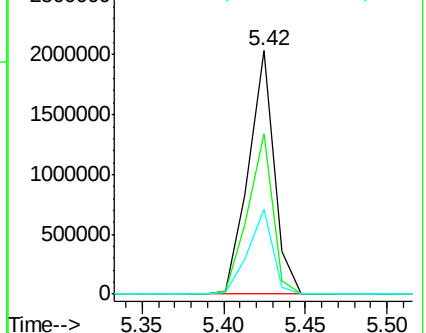
63 34.7 33.3 49.9

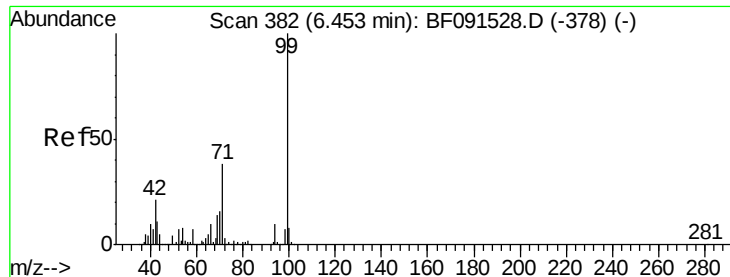


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 165.87 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

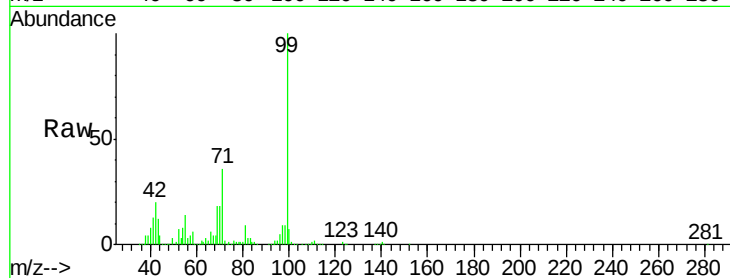
Tgt Ion: 99 Resp: 3095511

Ion Ratio Lower Upper

99 100

42 20.0 20.6 31.0#

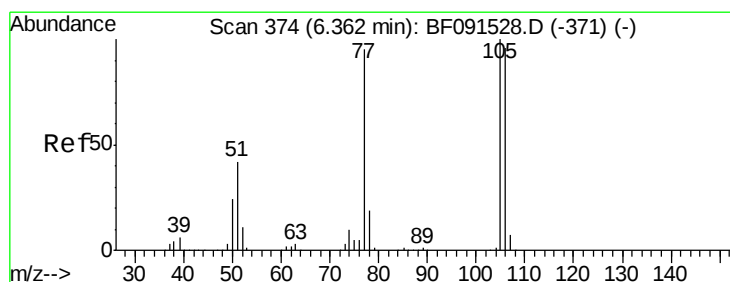
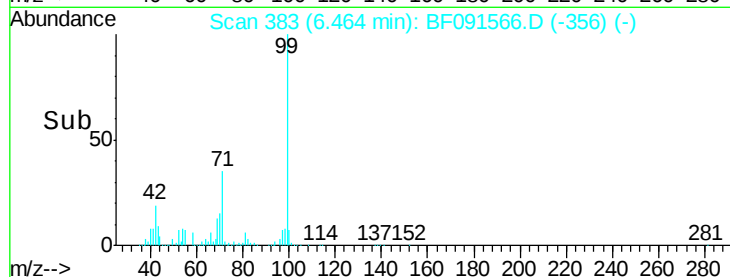
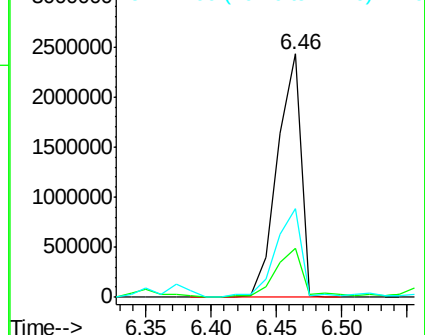
71 36.3 29.9 44.9



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



#9

Benzaldehyde

Concen: 3.16 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

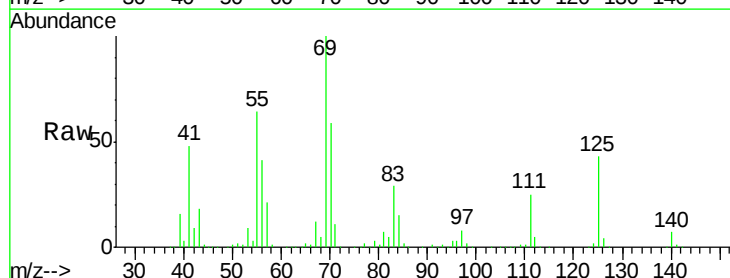
Tgt Ion: 77 Resp: 40547

Ion Ratio Lower Upper

77 100

105 6.8 66.4 106.4#

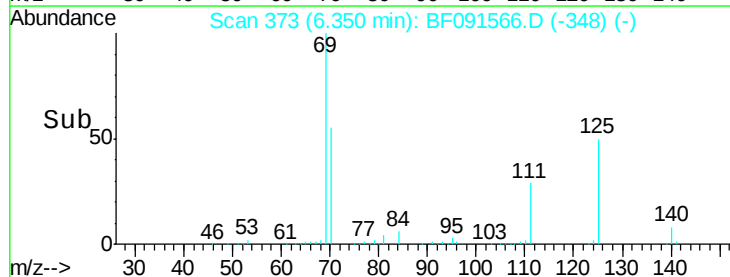
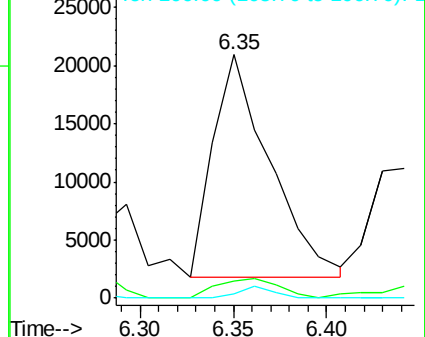
106 1.8 60.9 100.9#

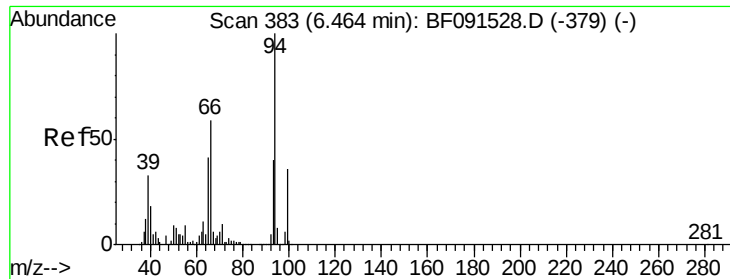


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 7.20 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

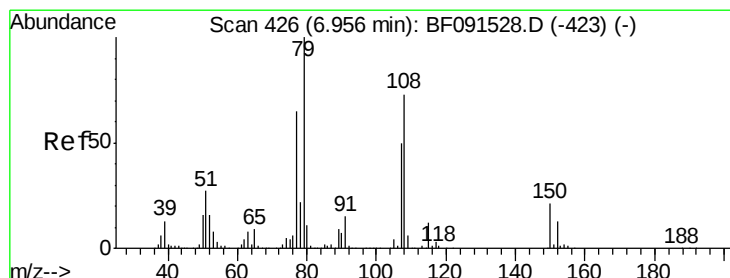
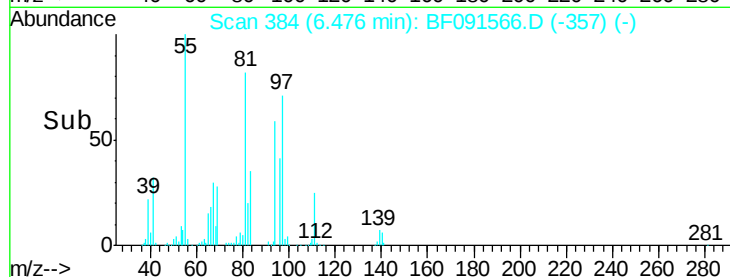
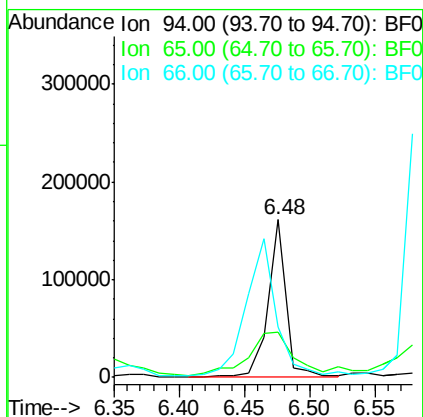
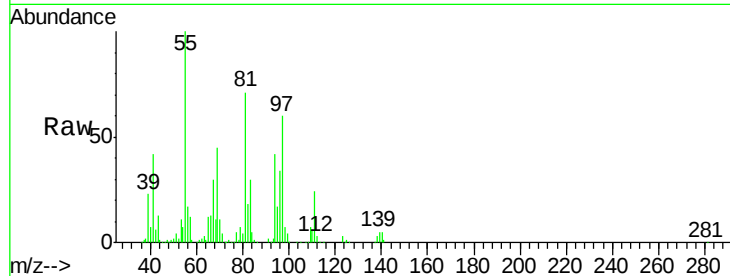
Tgt Ion: 94 Resp: 156997

Ion Ratio Lower Upper

94 100

65 28.5 16.9 56.9

66 32.0 30.6 70.6



#15

Benzyl Alcohol

Concen: 6.36 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

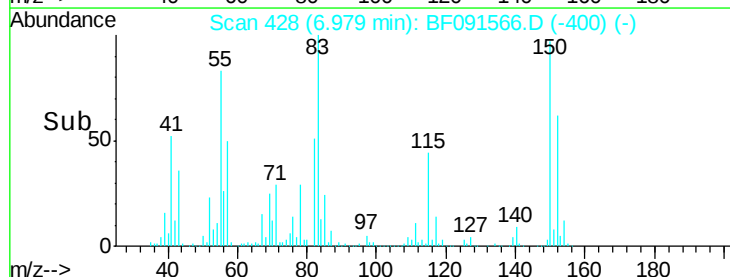
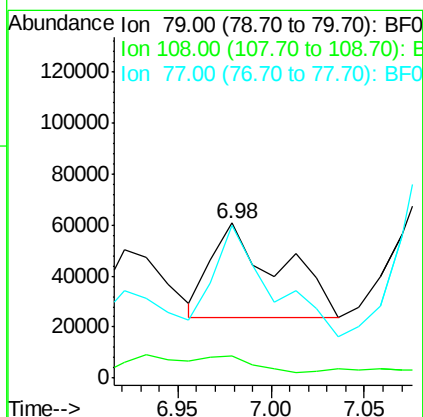
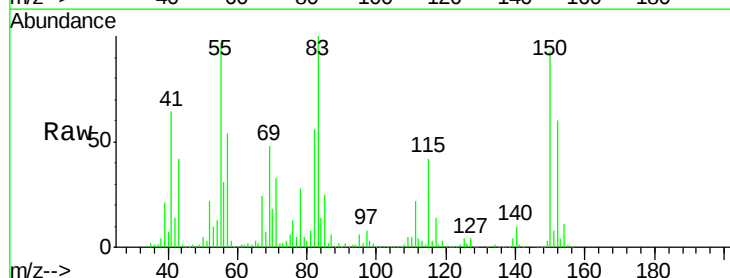
Tgt Ion: 79 Resp: 93754

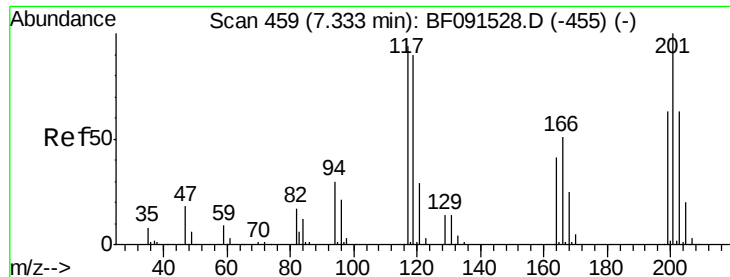
Ion Ratio Lower Upper

79 100

108 14.1 62.7 94.1#

77 98.6 51.7 77.5#

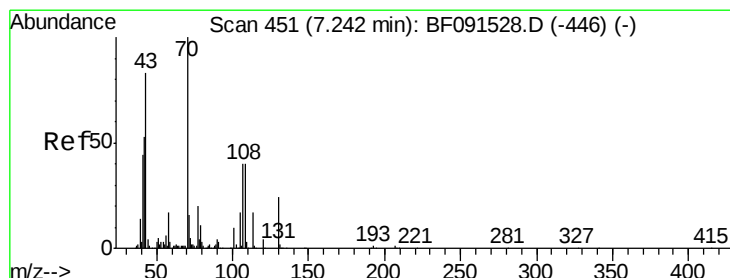
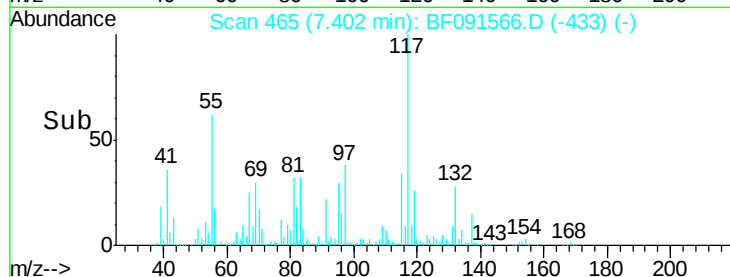
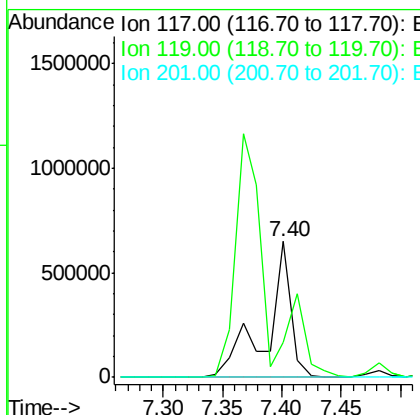
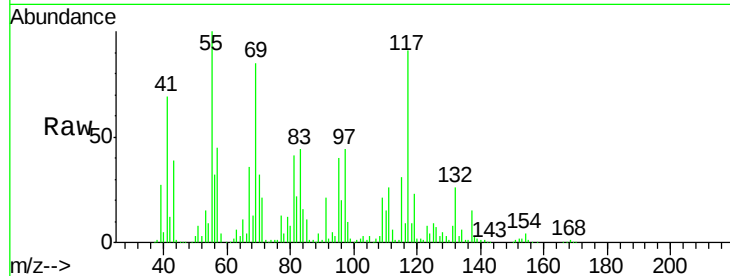




#18
 Hexachloroethane
 Concen: 131.62 ng
 RT: 7.40 min Scan# 465
 Delta R.T. 0.07 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

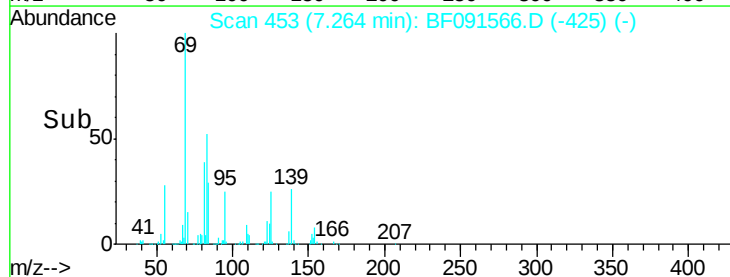
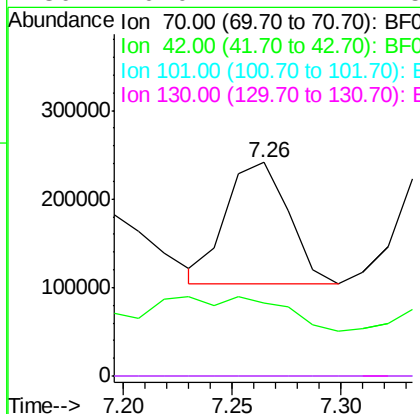
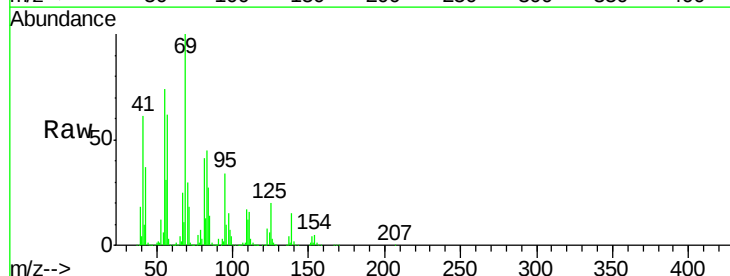
Instrument :
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 ClientSampleId :
 SB-47(6-8)-12-8-16

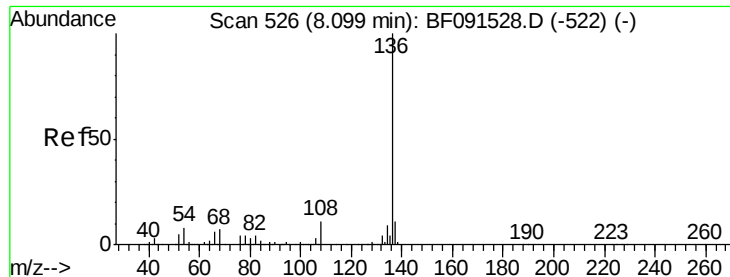
Tgt Ion: 117 Resp: 928368
 Ion Ratio Lower Upper
 117 100
 119 25.7 78.6 118.0#
 201 0.0 86.7 130.1#



#19
 n-Nitroso-di-n-propylamine
 Concen: 23.78 ng
 RT: 7.26 min Scan# 453
 Delta R.T. 0.02 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

Tgt Ion: 70 Resp: 277494
 Ion Ratio Lower Upper
 70 100
 42 34.0 64.8 97.2#
 101 0.0 6.2 9.4#
 130 0.0 11.7 17.5#

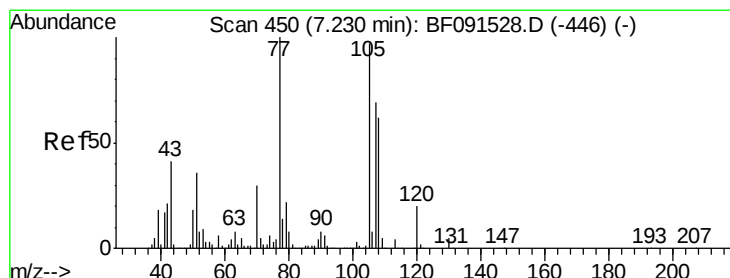
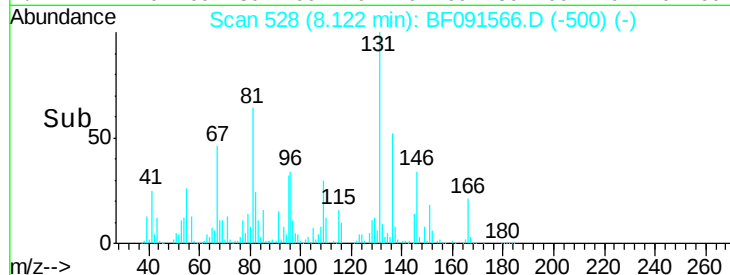
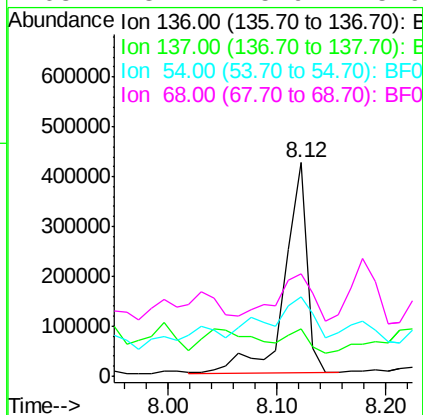
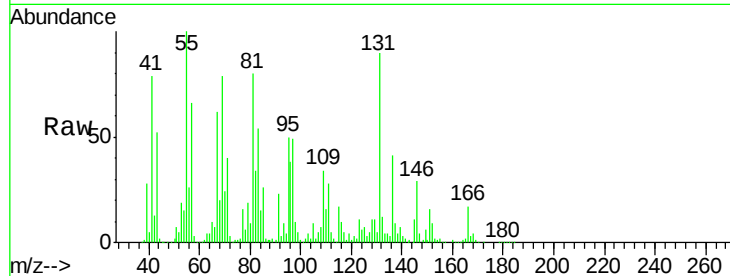




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.02 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

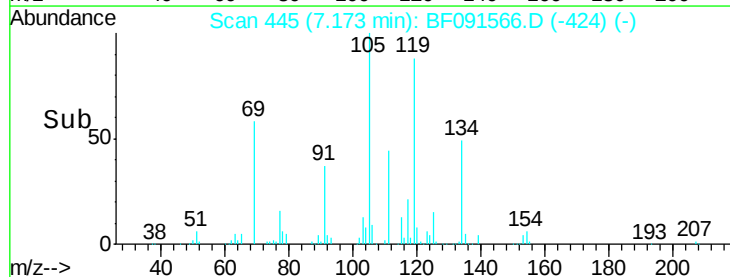
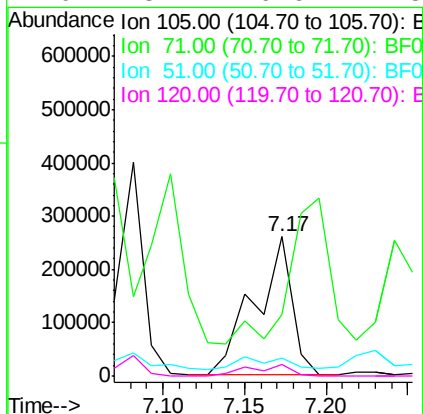
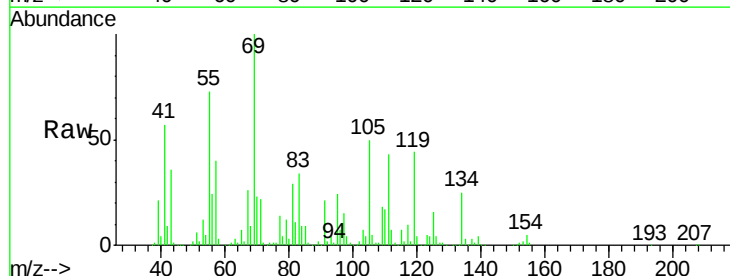
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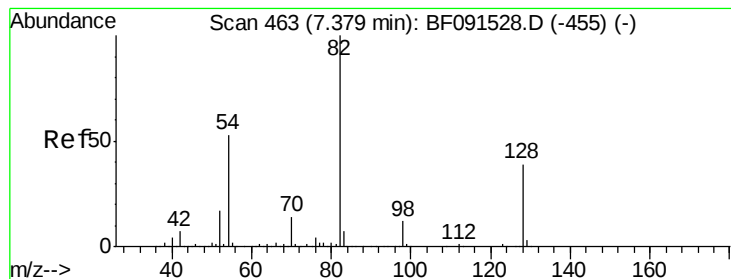
Tgt Ion:	136	Resp:	606201
Ion Ratio	Lower	Upper	
136	100		
137	22.3	9.1	13.7#
54	37.3	9.1	13.7#
68	48.1	5.9	8.9#



#22
Acetophenone
Concen: 28.39 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.06 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:	105	Resp:	412328
Ion Ratio	Lower	Upper	
105	100		
71	44.0	7.9	11.9#
51	12.5	24.5	36.7#
120	8.4	16.6	24.8#





#23

Nitrobenzene-d5

Concen: 160.33 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

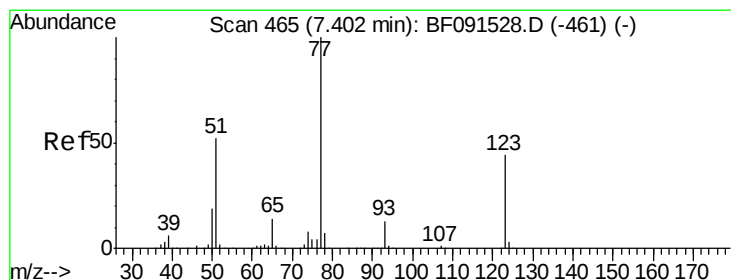
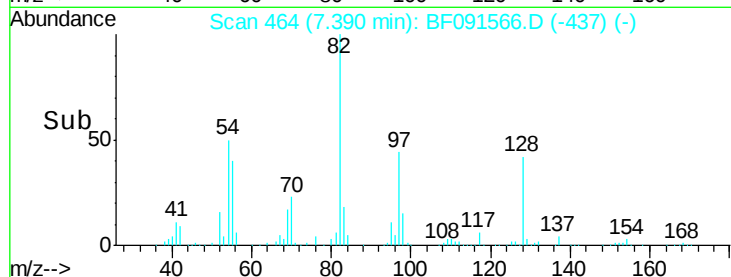
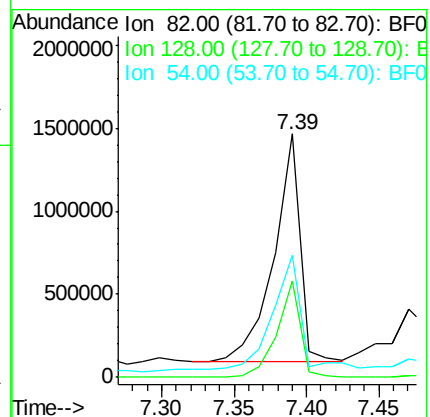
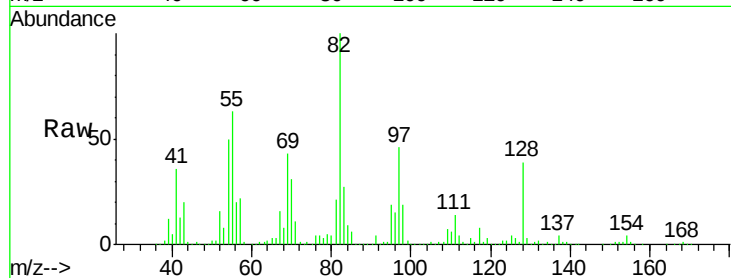
Tgt Ion: 82 Resp: 1741426

Ion Ratio Lower Upper

82 100

128 39.5 31.8 47.6

54 50.0 49.1 73.7



#24

Nitrobenzene

Concen: 29.52 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.03 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

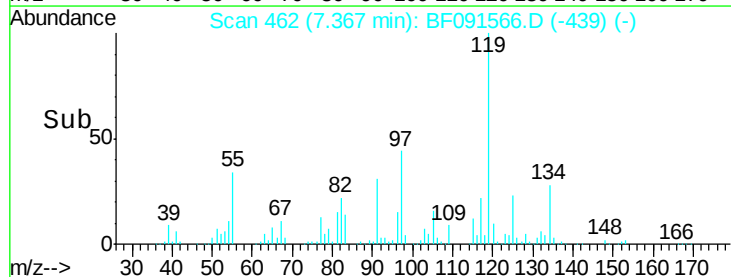
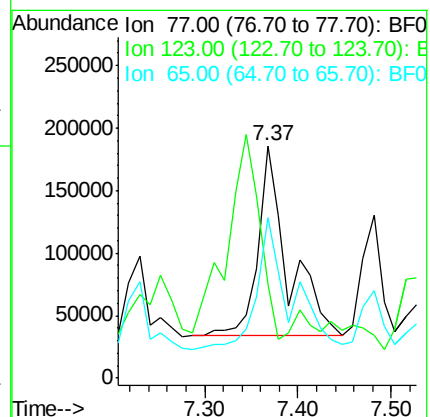
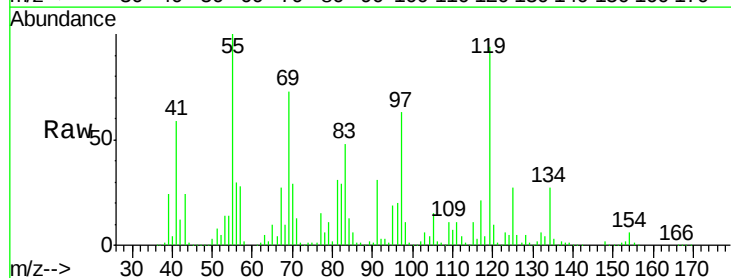
Tgt Ion: 77 Resp: 338795

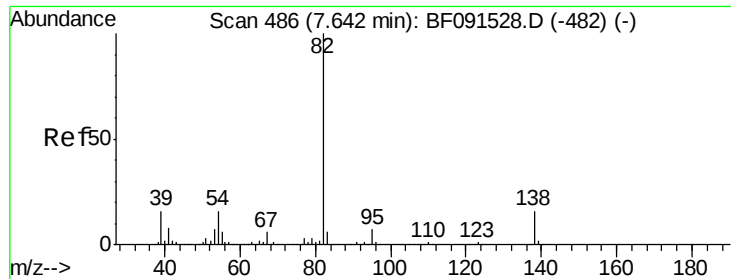
Ion Ratio Lower Upper

77 100

123 40.6 28.5 42.7

65 68.8 12.5 18.7#

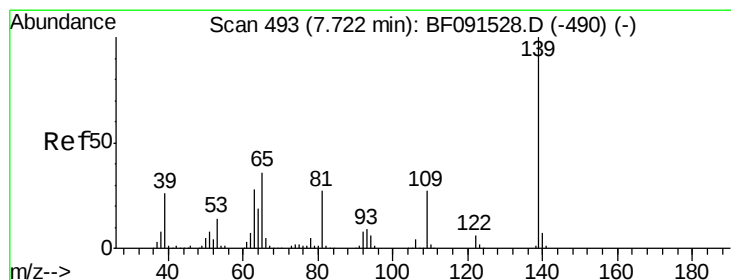
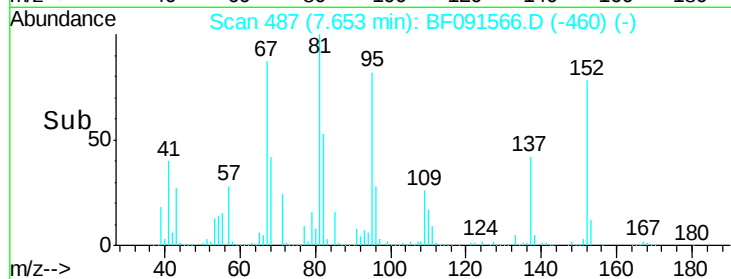
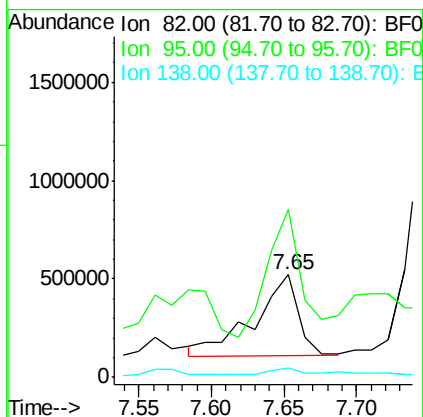
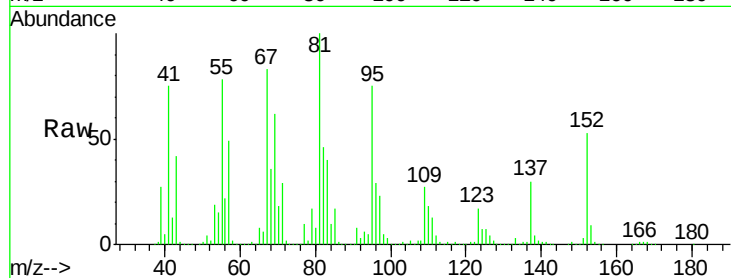




#25
Isophorone
Concen: 45.29 ng
RT: 7.65 min Scan# 487
Delta R.T. 0.01 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

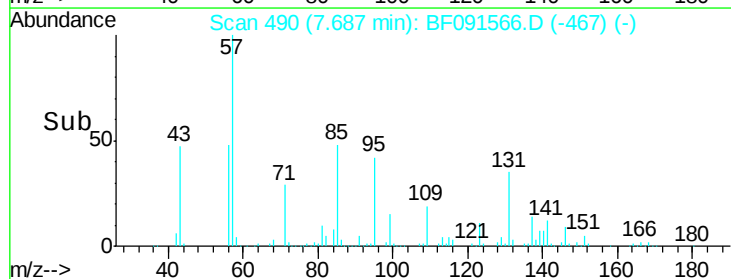
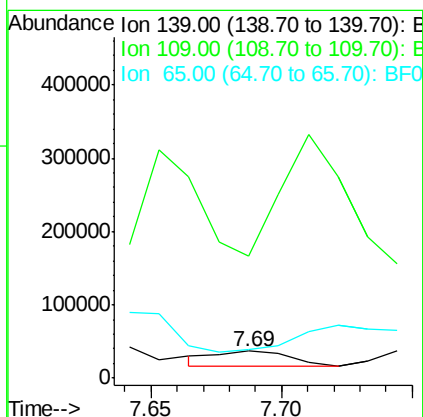
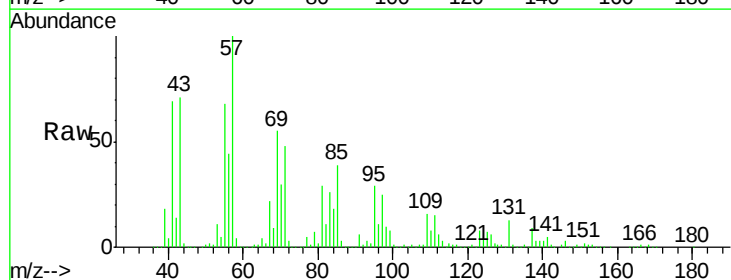
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

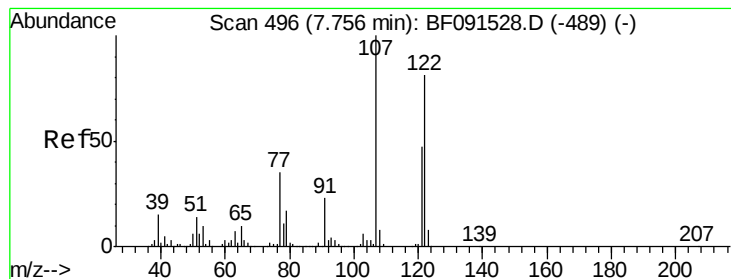
Tgt Ion: 82 Resp: 874467
Ion Ratio Lower Upper
82 100
95 164.1 5.7 8.5#
138 8.5 13.4 20.0#



#26
2-Nitrophenol
Concen: 7.70 ng
RT: 7.69 min Scan# 490
Delta R.T. -0.03 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion: 139 Resp: 39019
Ion Ratio Lower Upper
139 100
109 453.0 25.3 37.9#
65 106.0 55.4 83.2#





#27

2,4-Dimethylphenol

Concen: 12.67 ng

RT: 7.78 min Scan# 498

Delta R.T. 0.02 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

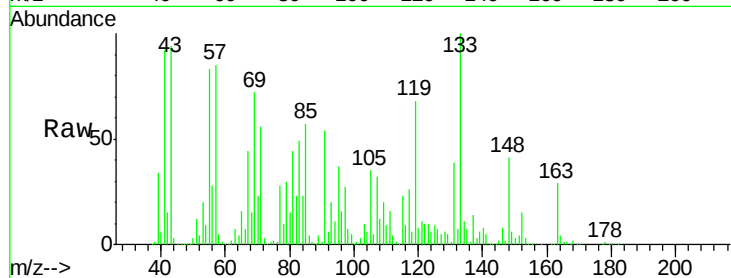
Tgt Ion:122 Resp: 112739

Ion Ratio Lower Upper

122 100

107 309.2 96.8 145.2#

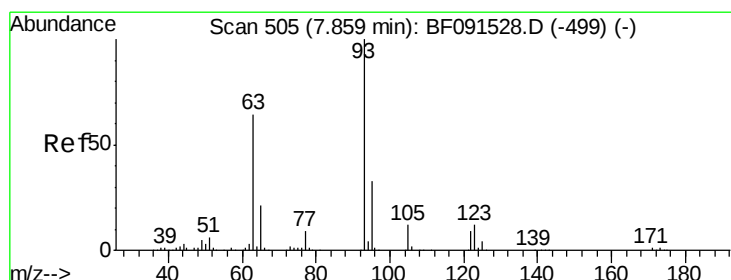
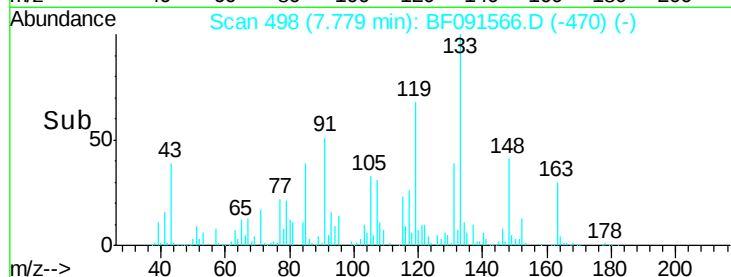
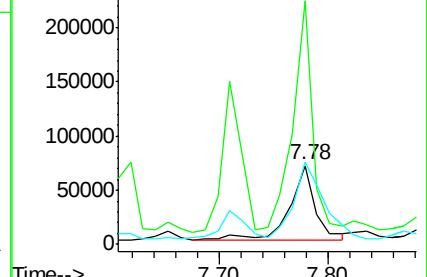
121 104.1 47.7 71.5#



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: 2.24 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

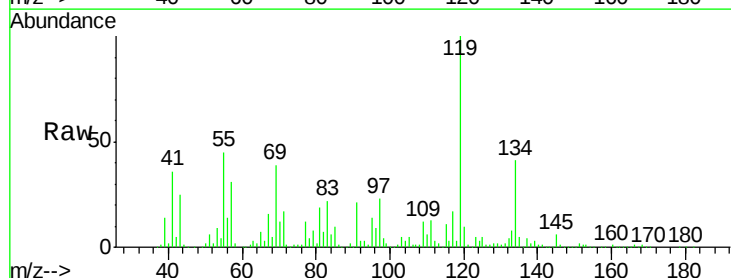
Tgt Ion: 93 Resp: 25381

Ion Ratio Lower Upper

93 100

95 493.6 26.0 39.0#

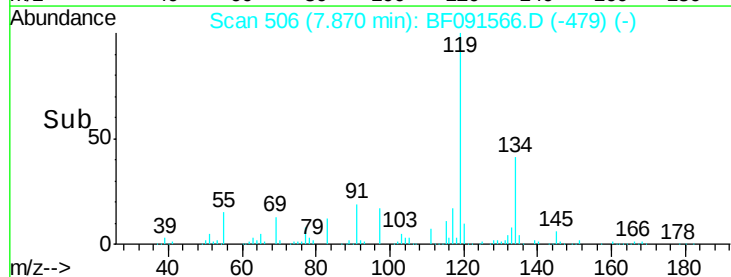
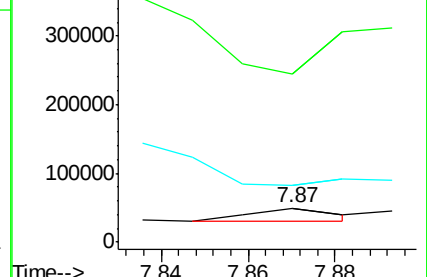
123 165.7 8.6 12.8#

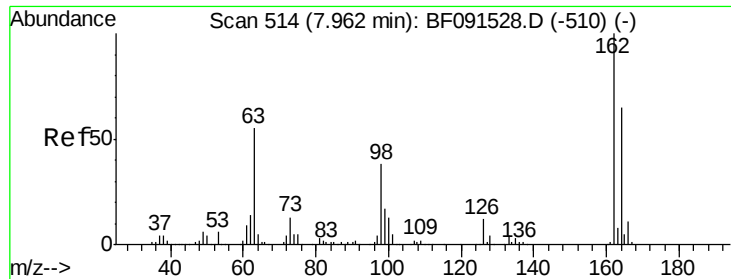


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

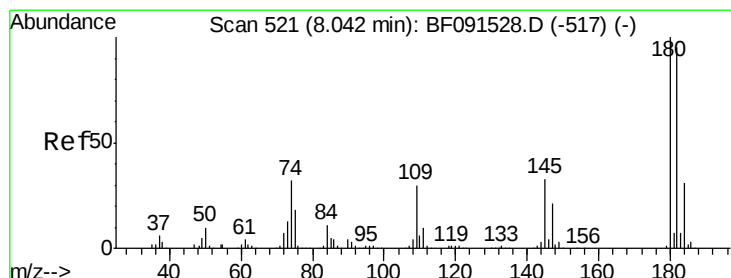
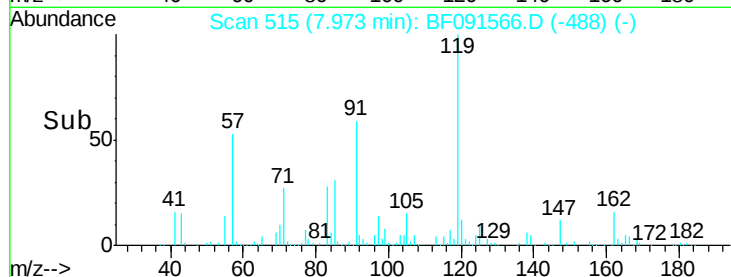
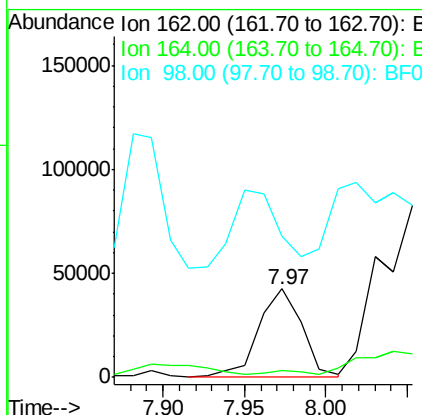
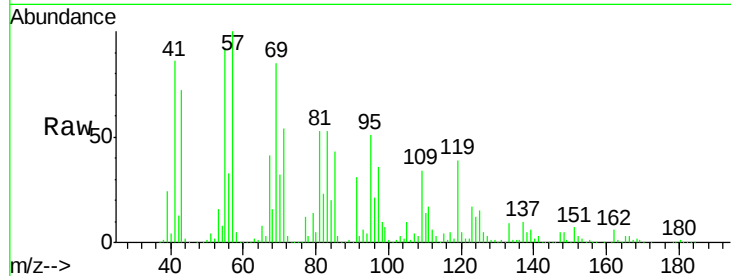




#29
2,4-Dichlorophenol
Concen: 9.95 ng
RT: 7.97 min Scan# 515
Delta R.T. 0.01 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

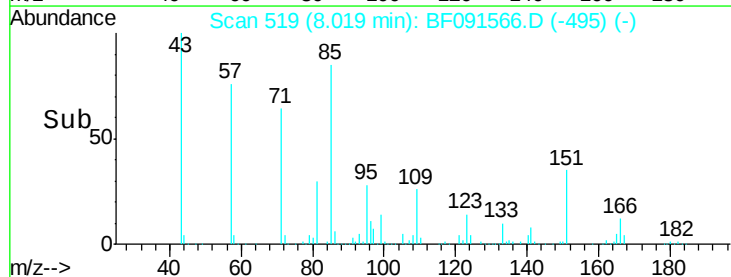
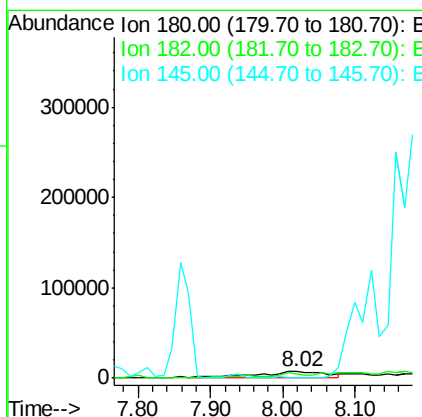
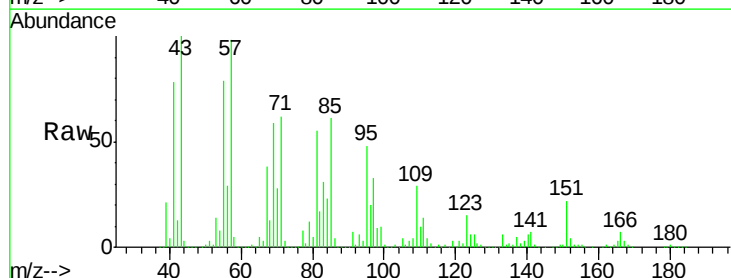
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

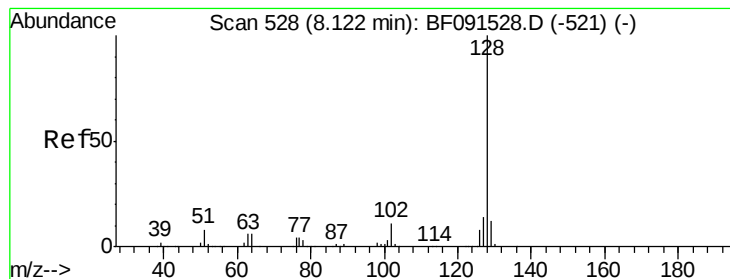
Tgt Ion:162 Resp: 77026
Ion Ratio Lower Upper
162 100
164 7.6 45.0 85.0#
98 159.7 21.3 61.3#



#30
1,2,4-Trichlorobenzene
Concen: 4.66 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:180 Resp: 40996
Ion Ratio Lower Upper
180 100
182 65.7 75.8 113.8#
145 4.9 27.0 40.4#





#31

Naphthalene

Concen: 8.18 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

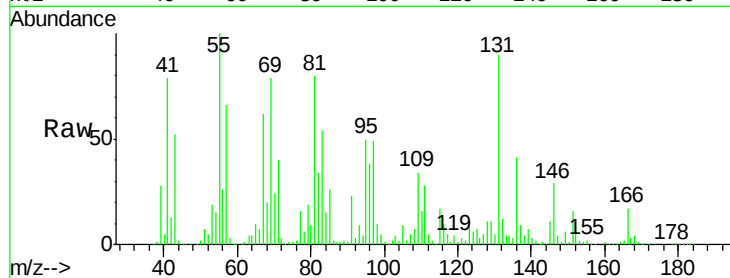
Tgt Ion:128 Resp: 230661

Ion Ratio Lower Upper

128 100

129 106.0 9.1 13.7#

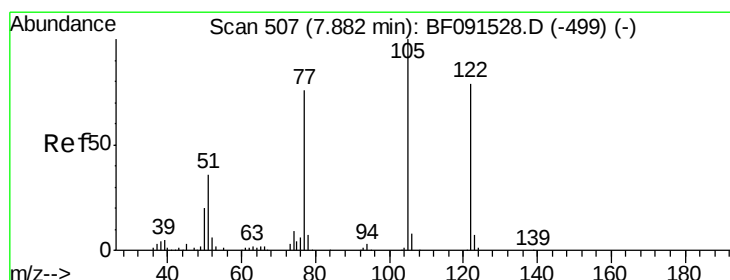
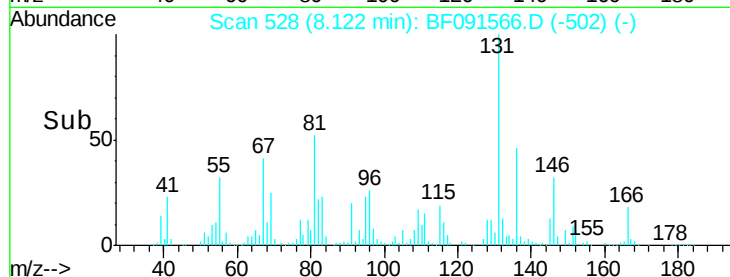
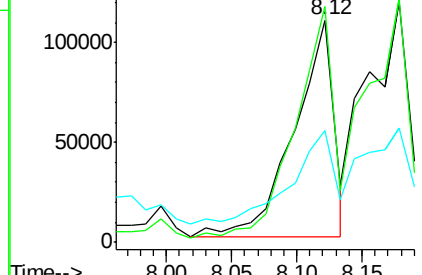
127 50.4 11.0 16.4#



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: 17.80 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.03 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

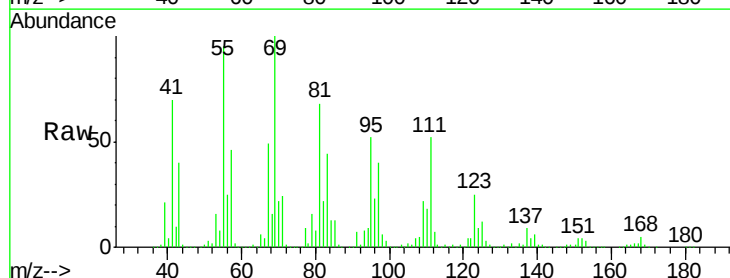
Tgt Ion:122 Resp: 91732

Ion Ratio Lower Upper

122 100

105 41.9 113.0 153.0#

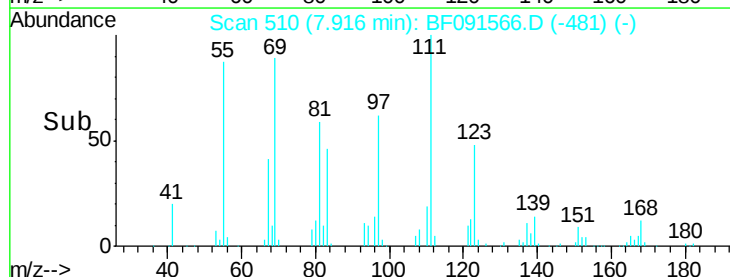
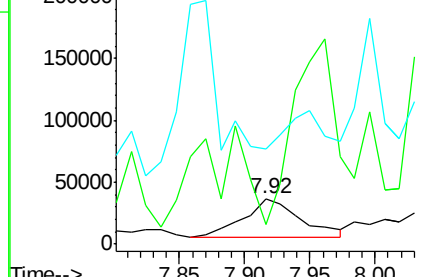
77 210.8 82.0 122.0#

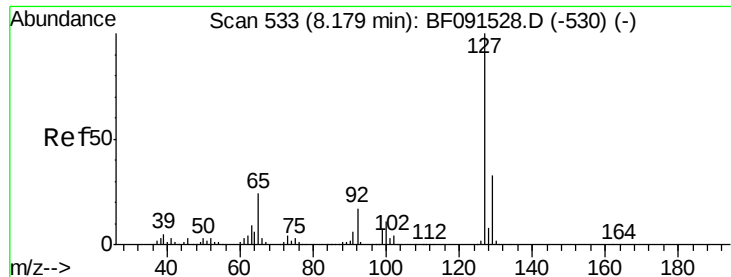


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

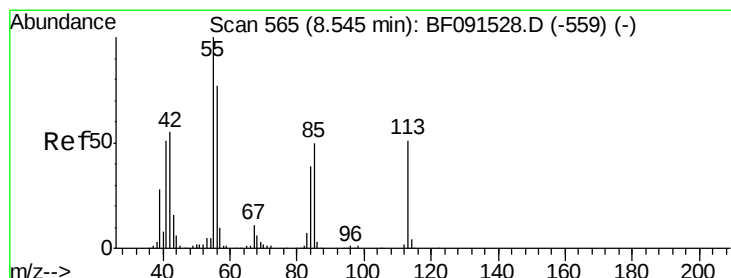
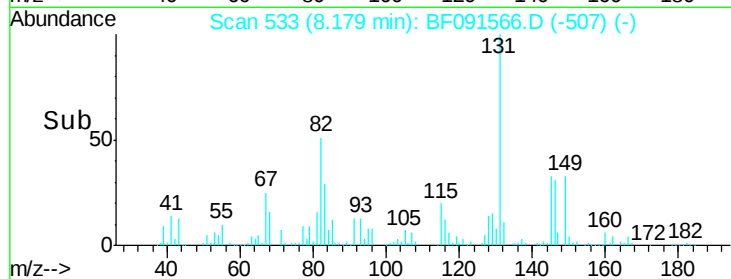
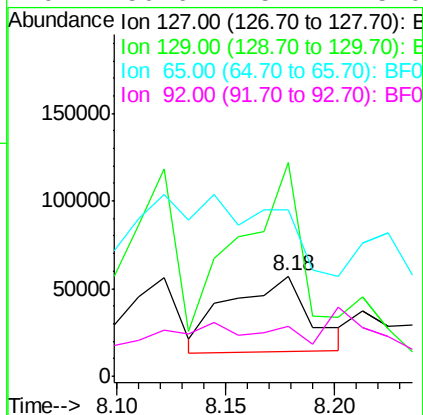
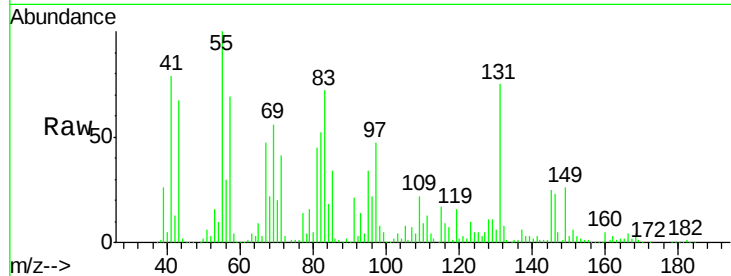




#33
4-Chloroaniline
Concen: 9.15 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

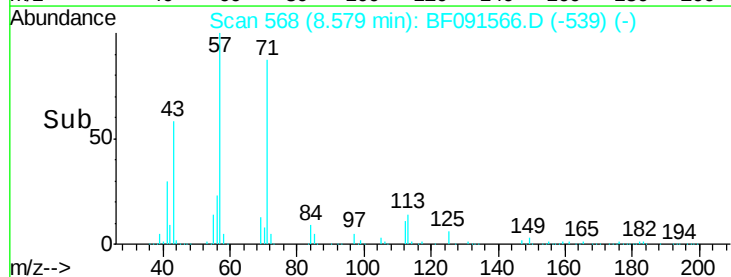
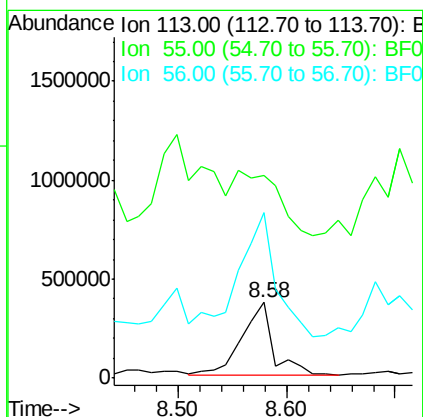
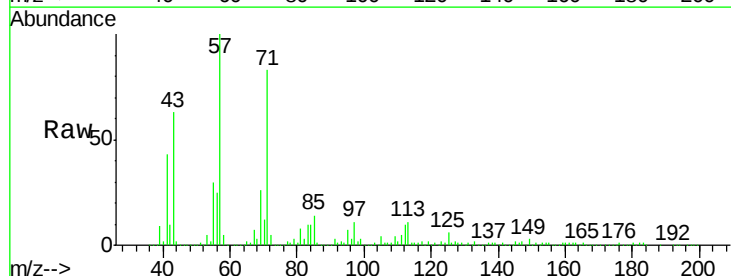
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

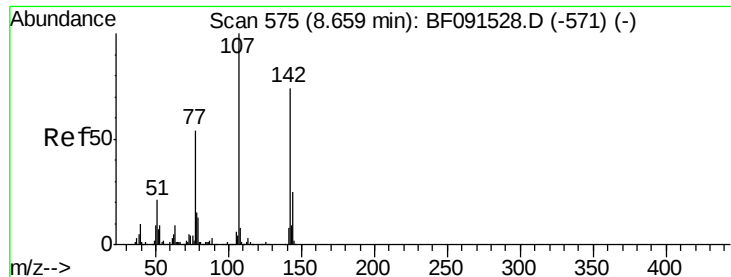
Tgt Ion:	127	Resp:	111187
Ion	Ratio	Lower	Upper
127	100		
129	213.8	26.2	39.4#
65	166.4	26.6	39.8#
92	50.6	15.4	23.0#



#35
Caprolactam
Concen: 311.94 ng
RT: 8.58 min Scan# 568
Delta R.T. 0.03 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:	113	Resp:	705070
Ion	Ratio	Lower	Upper
113	100		
55	268.6	239.8	279.8
56	220.2	165.6	205.6#

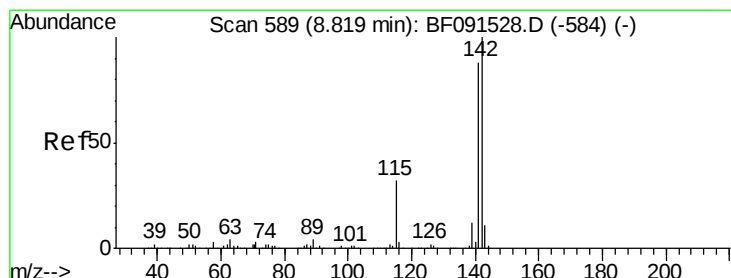
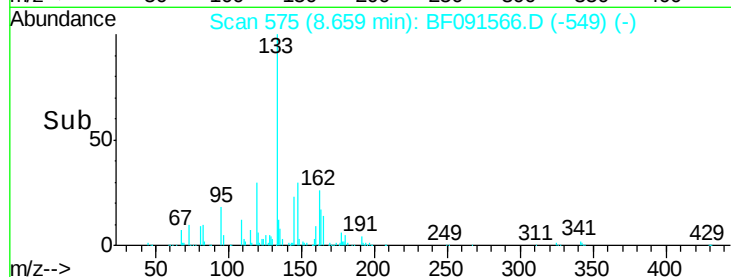
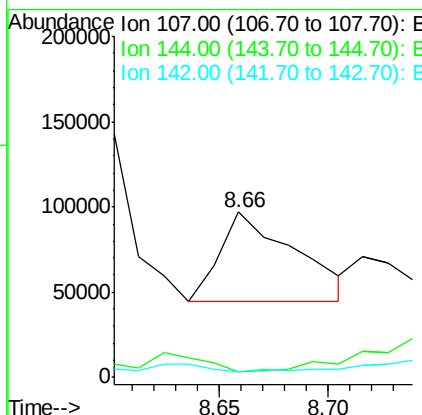
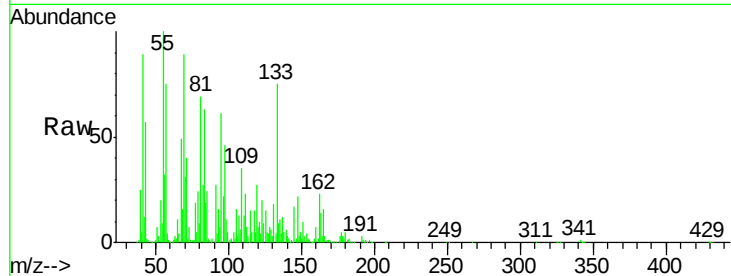




#36
 4-Chloro-3-methylphenol
 Concen: 14.49 ng
 RT: 8.66 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

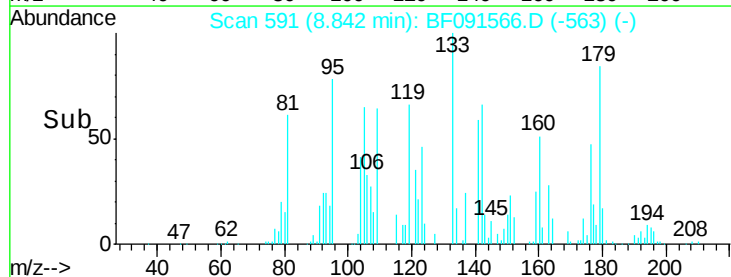
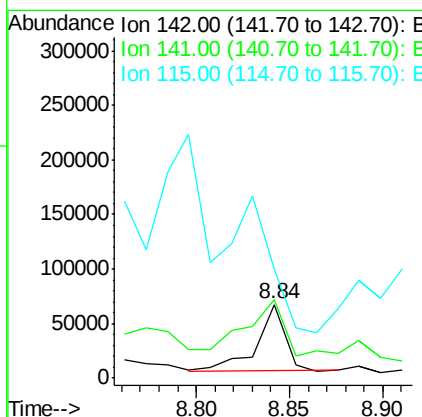
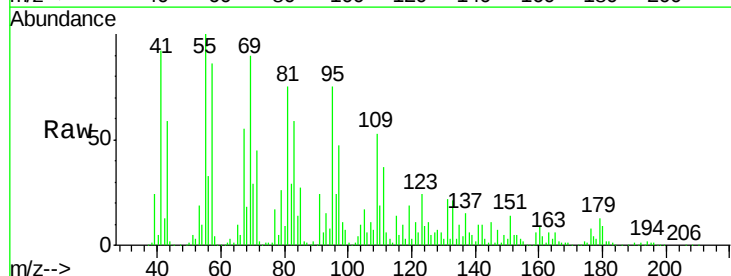
Instrument :
 BNA_F
 ClientSampleId :
 SB-47(6-8)-12-8-16

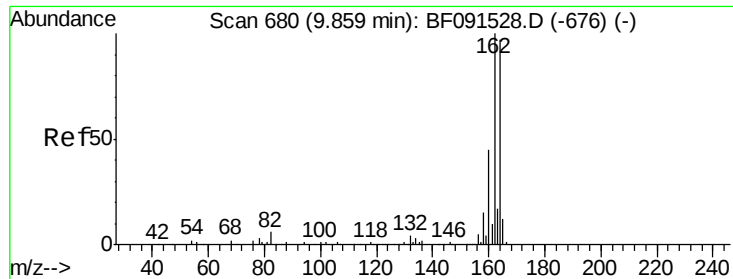
Tgt Ion:107 Resp: 125820
 Ion Ratio Lower Upper
 107 100
 144 3.4 18.9 28.3#
 142 3.2 58.5 87.7#



#37
 2-Methylnaphthalene
 Concen: 3.57 ng
 RT: 8.84 min Scan# 591
 Delta R.T. 0.02 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

Tgt Ion:142 Resp: 65083
 Ion Ratio Lower Upper
 142 100
 141 106.6 71.7 107.5
 115 148.0 25.0 37.6#

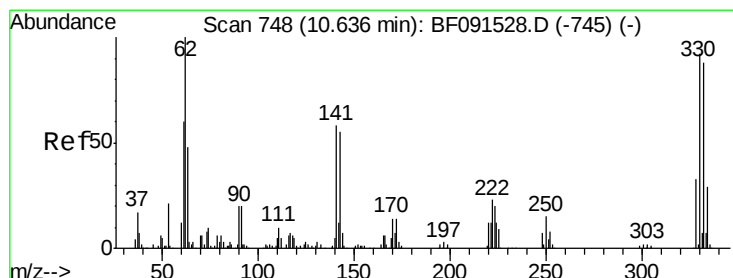
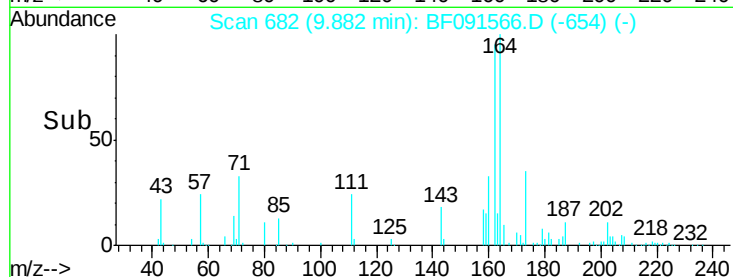
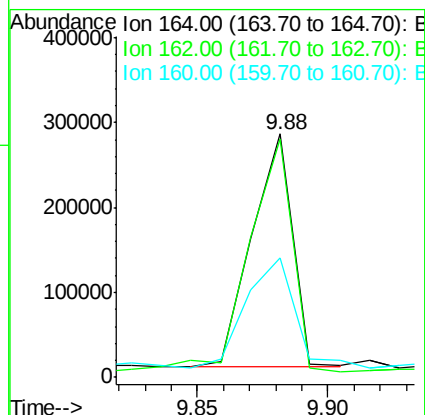
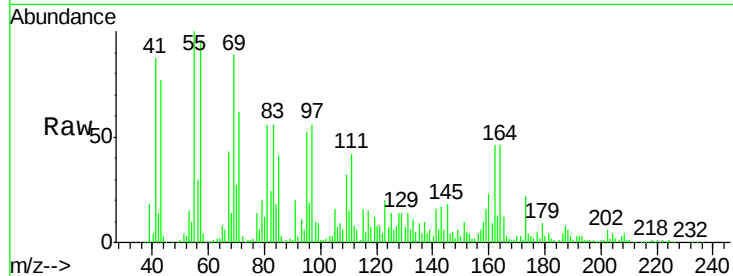




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.02 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

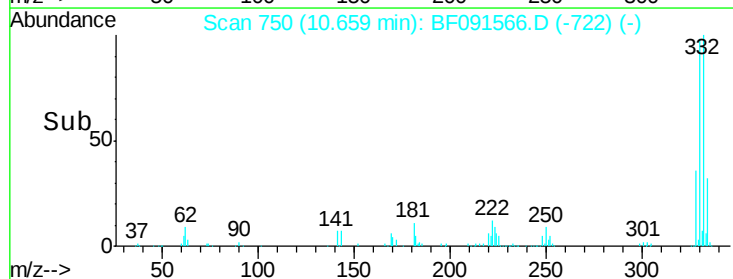
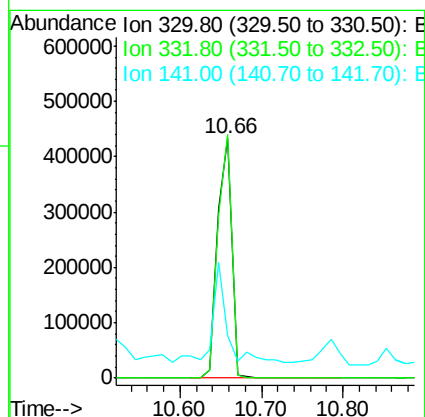
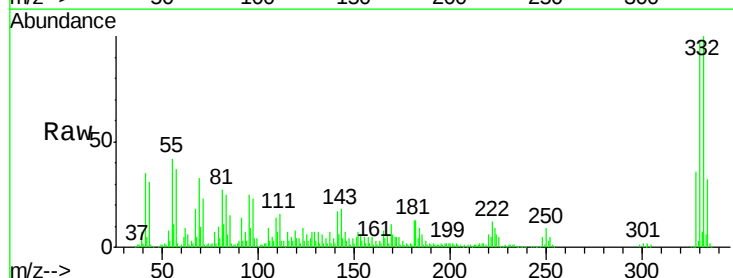
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

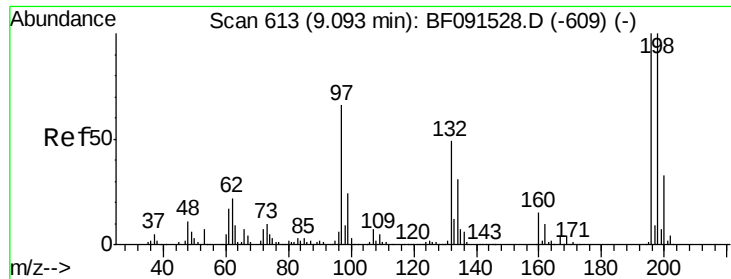
Tgt Ion:164 Resp: 299004
Ion Ratio Lower Upper
164 100
162 98.1 82.6 124.0
160 48.8 36.7 55.1



#41
2,4,6-Tribromophenol
Concen: 211.96 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.02 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:330 Resp: 526413
Ion Ratio Lower Upper
330 100
332 99.1 76.2 114.4
141 40.6 33.6 50.4

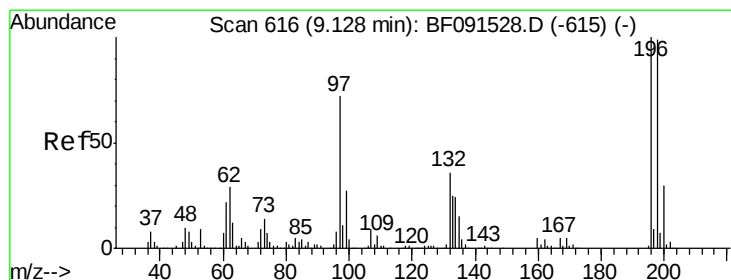
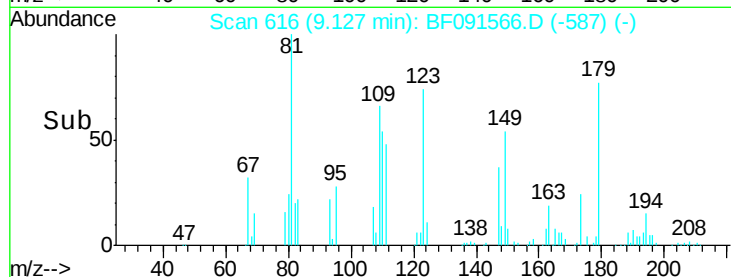
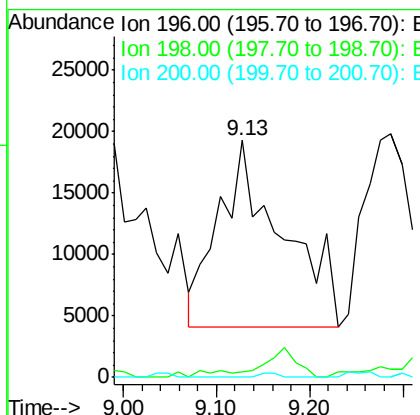
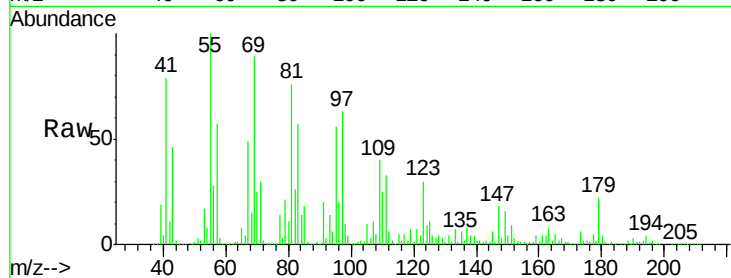




#42
 2,4,6-Trichlorophenol
 Concen: 13.55 ng
 RT: 9.13 min Scan# 616
 Delta R.T. 0.03 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

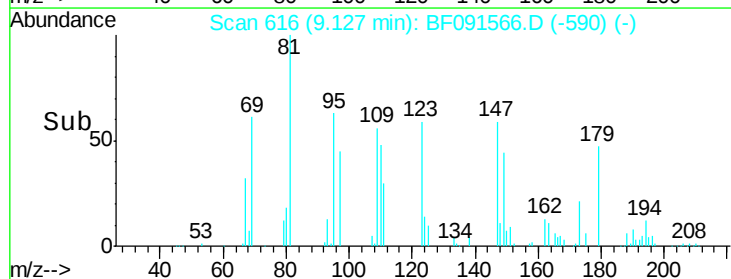
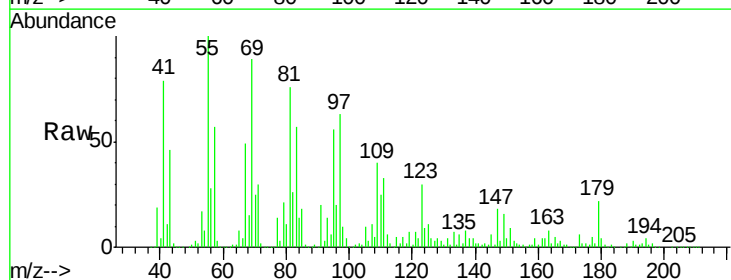
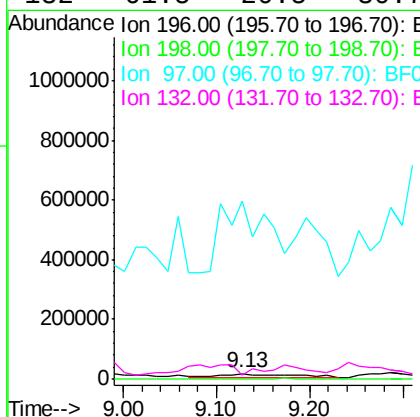
Instrument :
 BNA_F
 ClientSampleId :
 SB-47(6-8)-12-8-16

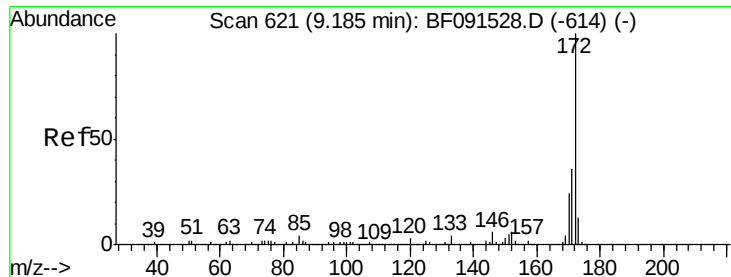
Tgt Ion:196 Resp: 71379
 Ion Ratio Lower Upper
 196 100
 198 2.3 77.4 116.0#
 200 0.0 25.2 37.8#



#43
 2,4,5-Trichlorophenol
 Concen: 13.18 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

Tgt Ion:196 Resp: 71379
 Ion Ratio Lower Upper
 196 100
 198 2.3 77.0 115.6#
 97 3095.3 33.5 50.3#
 132 61.5 20.5 30.7#

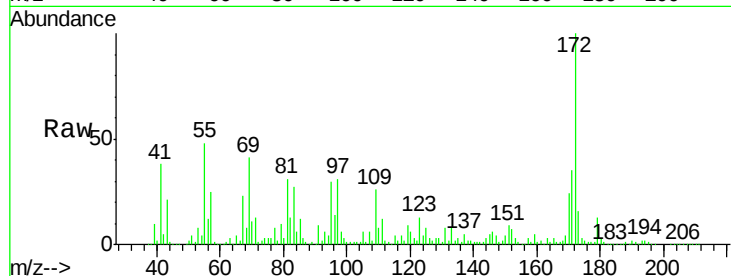




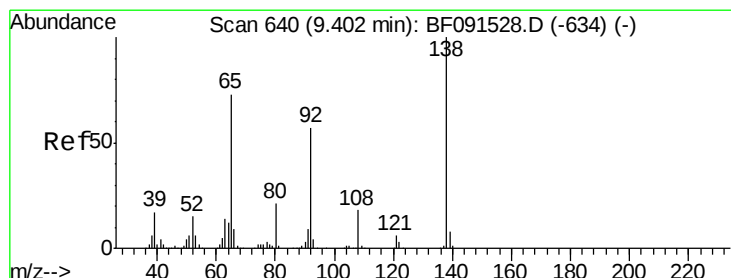
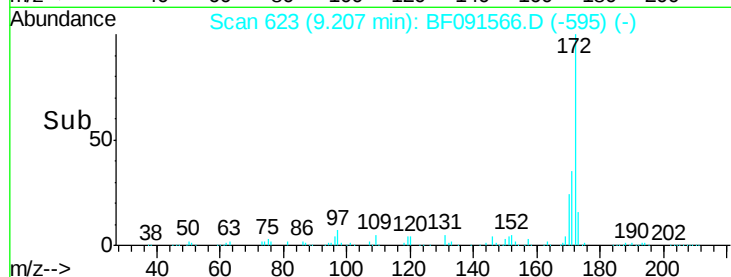
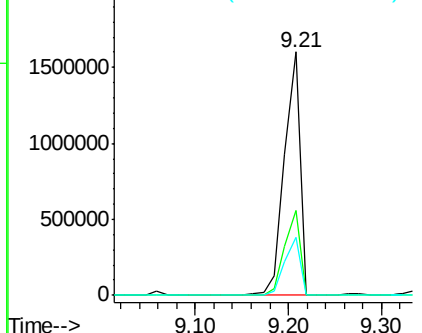
#44
 2-Fluorobiphenyl
 Concen: 107.83 ng
 RT: 9.21 min Scan# 623
 Delta R.T. 0.02 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-47(6-8)-12-8-16

Tgt Ion: 172 Resp: 1865944
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.4 44.0
 170 23.8 19.7 29.5

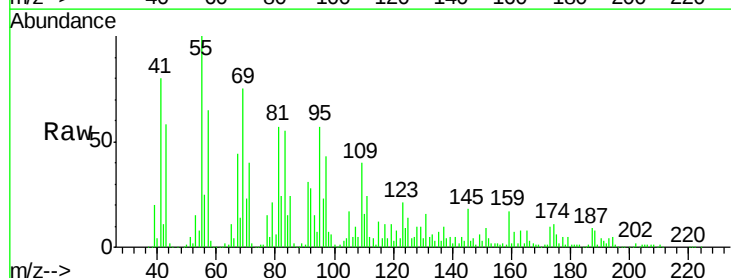


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

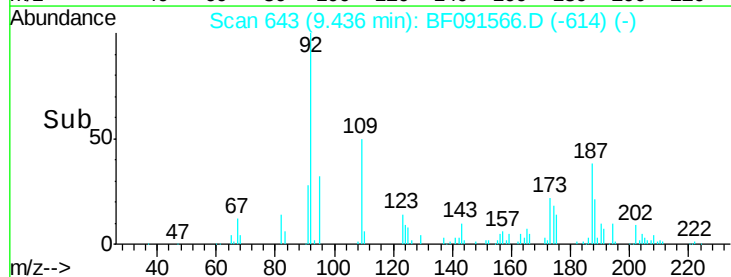
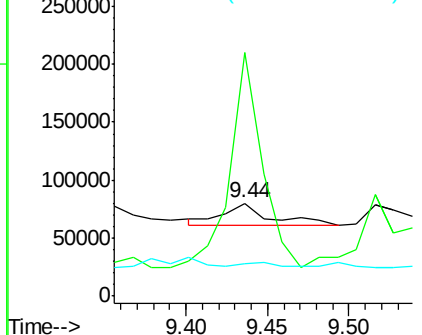


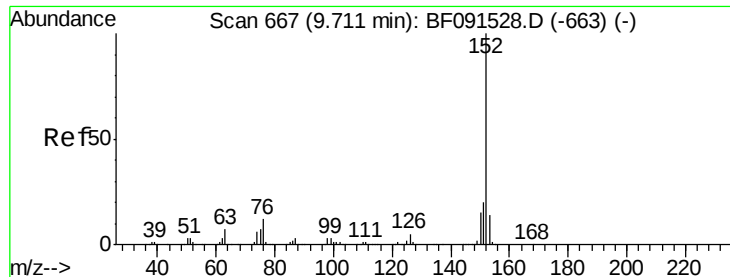
#47
 2-Nitroaniline
 Concen: 6.77 ng
 RT: 9.44 min Scan# 643
 Delta R.T. 0.03 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

Tgt Ion: 65 Resp: 38173
 Ion Ratio Lower Upper
 65 100
 92 263.0 53.6 80.4#
 138 35.6 91.0 136.6#



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





#48

Acenaphthylene

Concen: 3.25 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.03 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

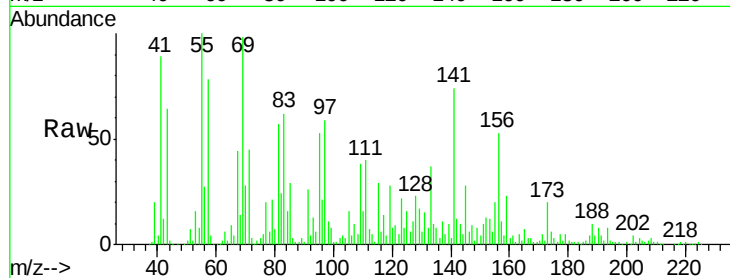
Tgt Ion:152 Resp: 82974

Ion Ratio Lower Upper

152 100

151 76.3 16.6 24.8#

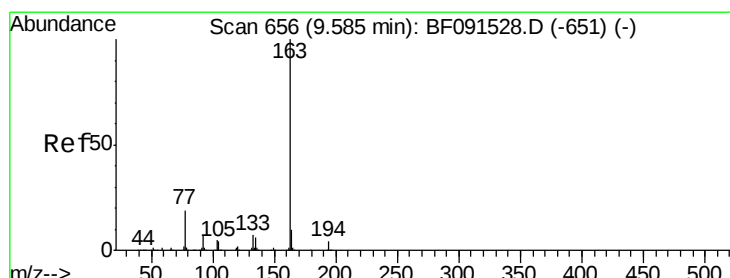
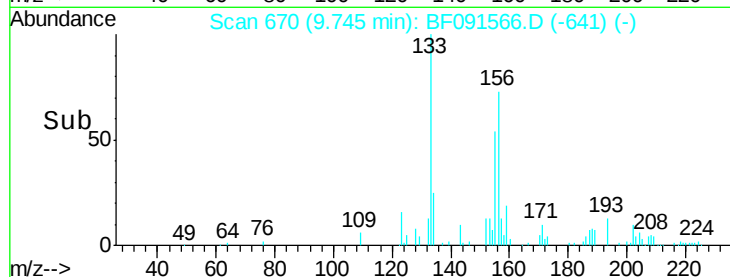
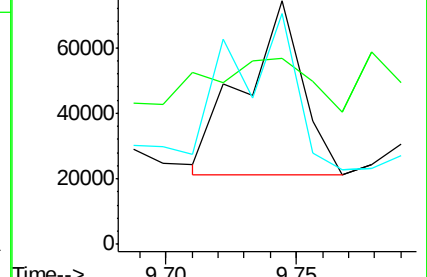
153 94.7 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.77 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

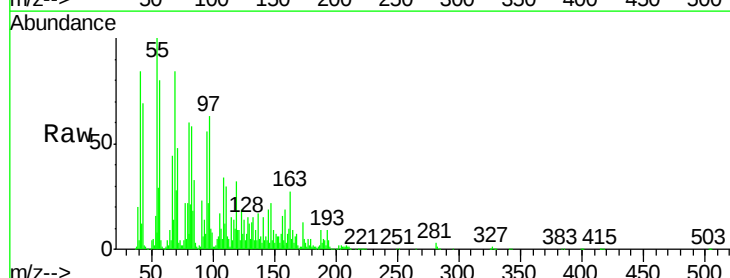
Tgt Ion:163 Resp: 222758

Ion Ratio Lower Upper

163 100

194 16.5 3.0 4.4#

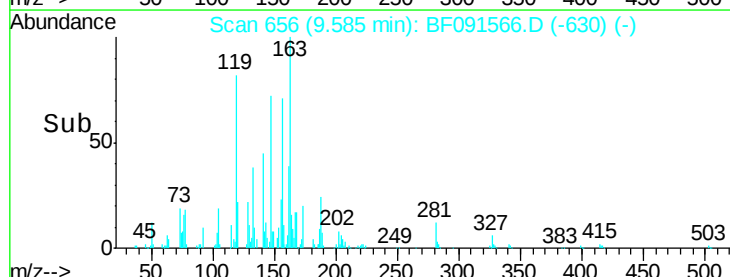
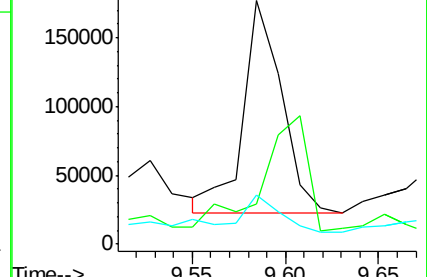
164 20.2 7.8 11.8#

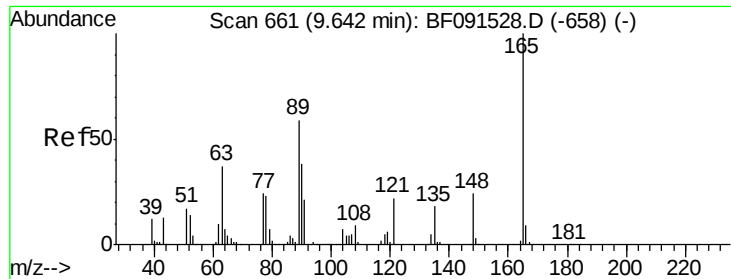


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 20.33 ng

RT: 9.65 min Scan# 662

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

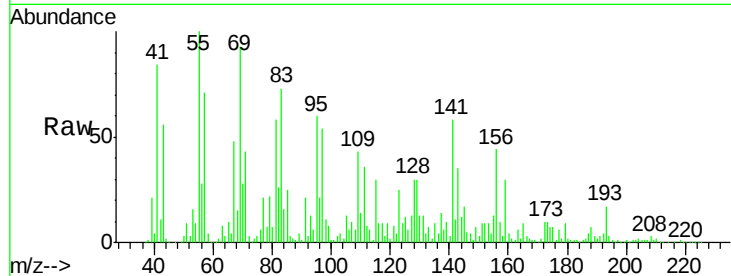
Tgt Ion:165 Resp: 84470

Ion Ratio Lower Upper

165 100

63 87.7 59.4 89.0

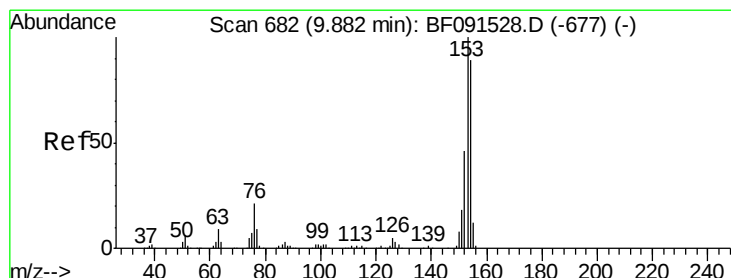
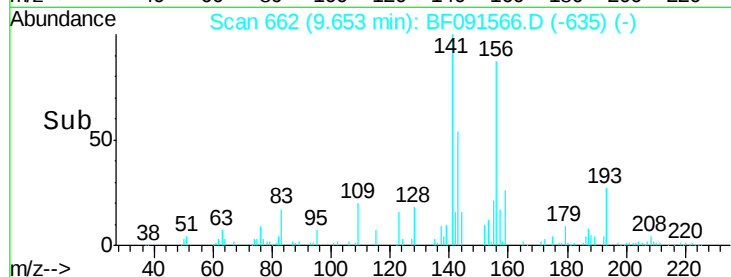
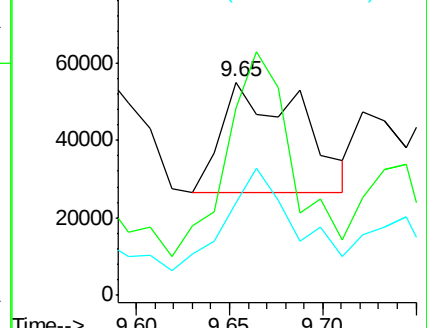
89 43.5 50.8 76.2#



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: 3.78 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.02 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

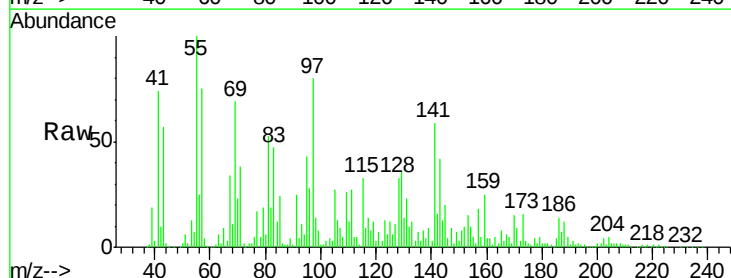
Tgt Ion:154 Resp: 67073

Ion Ratio Lower Upper

154 100

153 140.6 91.0 136.6#

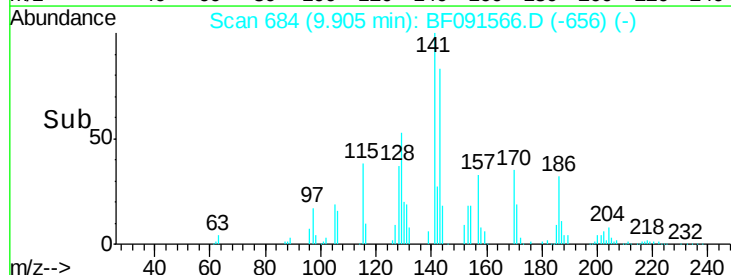
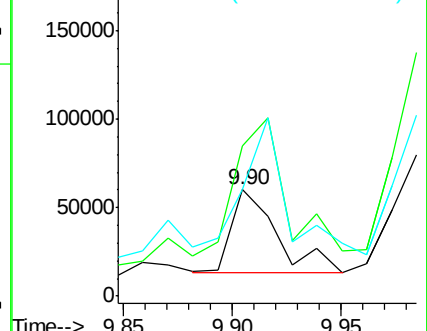
152 100.1 44.2 66.2#

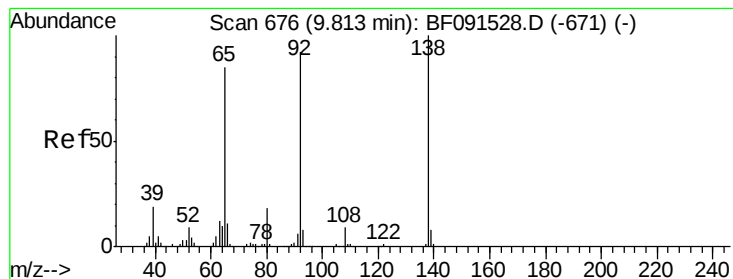


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 13.35 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.02 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

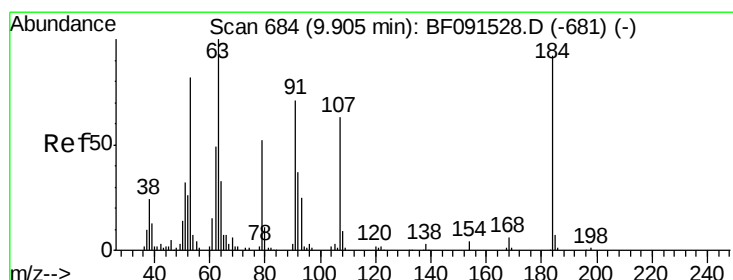
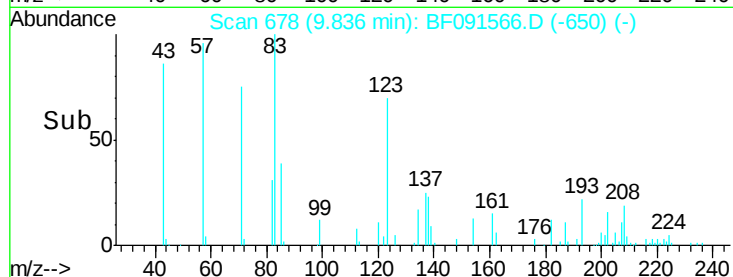
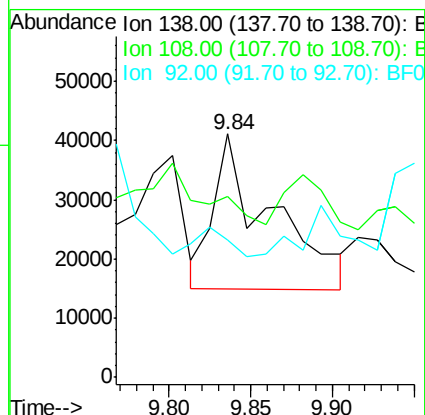
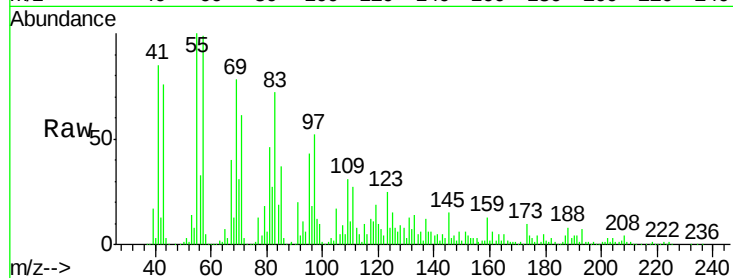
Tgt Ion:138 Resp: 65154

Ion Ratio Lower Upper

138 100

108 74.1 8.1 12.1#

92 56.5 92.5 138.7#



#53

2,4-Dinitrophenol

Concen: 3.26 ng

RT: 9.92 min Scan# 685

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

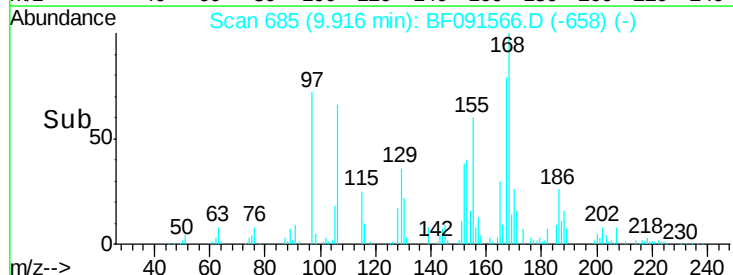
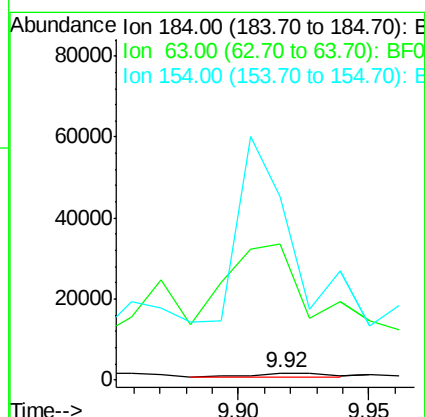
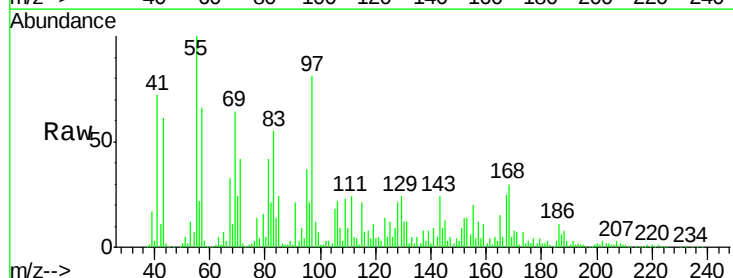
Tgt Ion:184 Resp: 1894

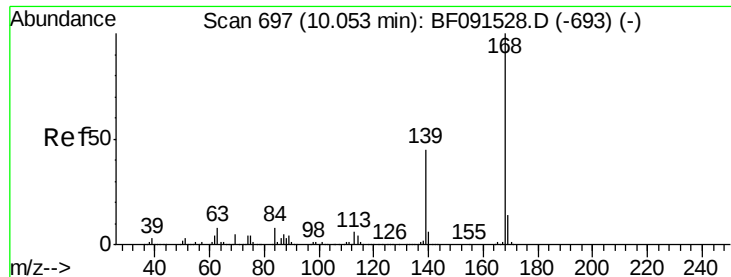
Ion Ratio Lower Upper

184 100

63 1896.6 58.3 87.5#

154 2548.1 48.6 73.0#

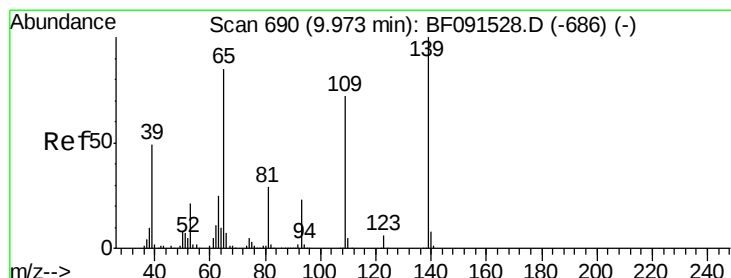
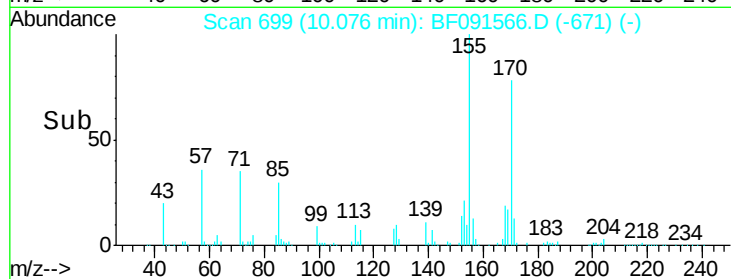
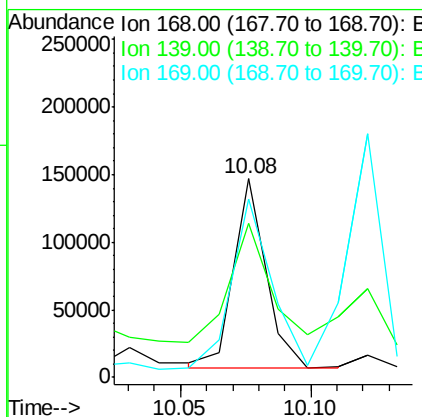
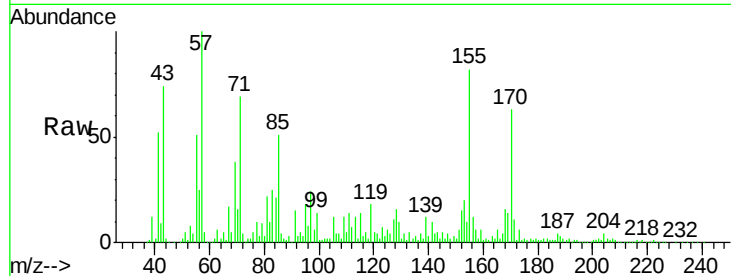




#54
Dibenzofuran
Concen: 5.58 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.02 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

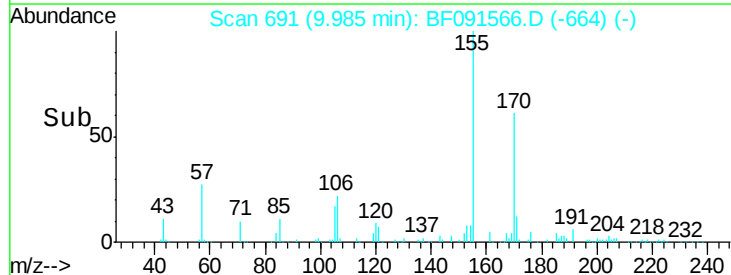
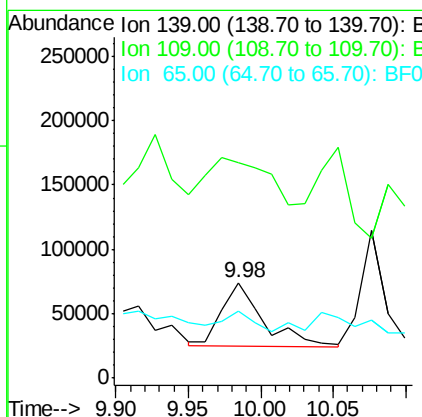
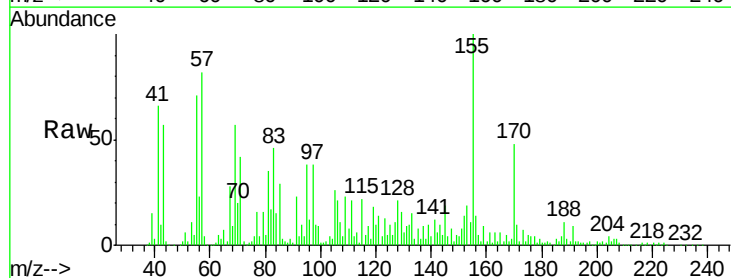
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

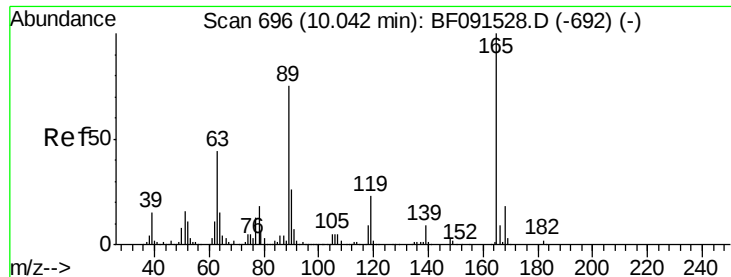
Tgt Ion:168 Resp: 122625
Ion Ratio Lower Upper
168 100
139 77.8 33.4 50.2#
169 89.7 11.1 16.7#



#55
4-Nitrophenol
Concen: 27.13 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.01 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:139 Resp: 98524
Ion Ratio Lower Upper
139 100
109 225.9 54.9 94.9#
65 70.4 102.2 142.2#

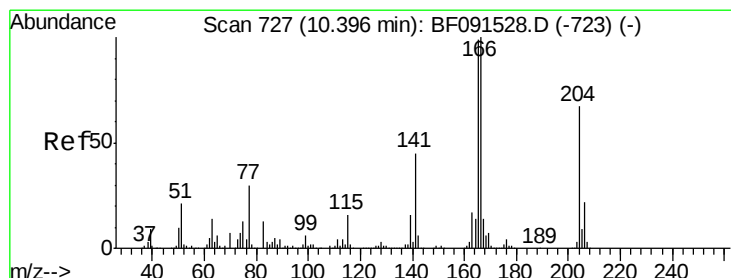
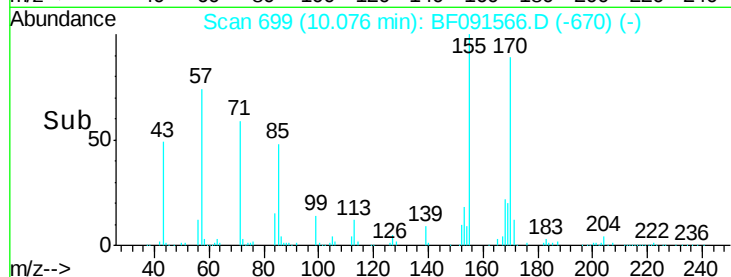
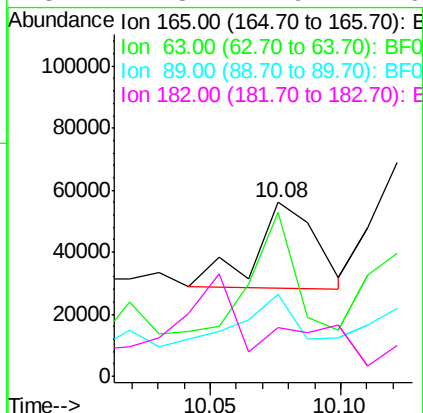
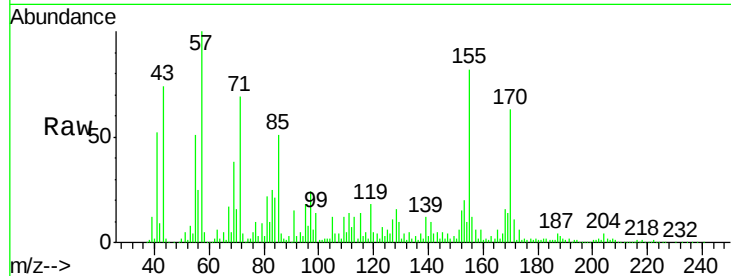




#56
2,4-Dinitrotoluene
Concen: 8.48 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.03 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

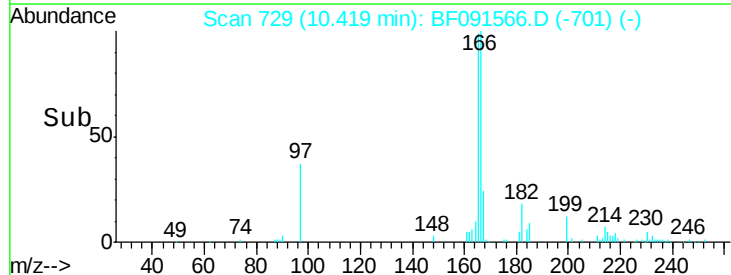
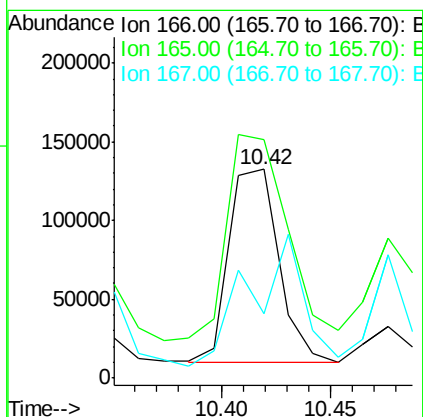
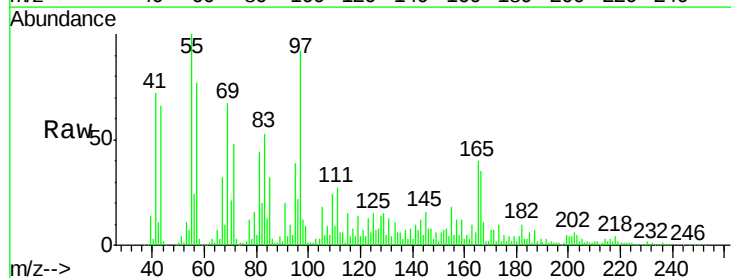
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

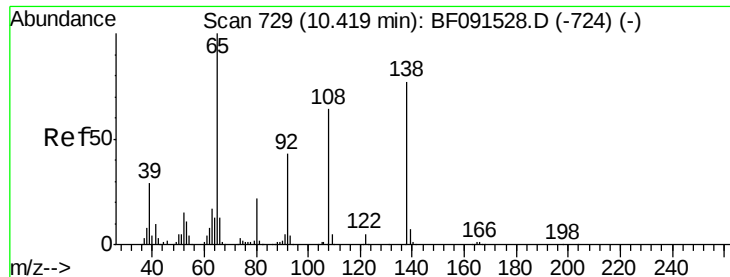
Tgt Ion:165 Resp: 44185
Ion Ratio Lower Upper
165 100
63 94.4 29.0 43.4#
89 47.2 43.1 64.7
182 27.8 1.9 2.9#



#57
Fluorene
Concen: 8.50 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.02 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:166 Resp: 196821
Ion Ratio Lower Upper
166 100
165 114.4 80.0 120.0
167 31.0 10.8 16.2#

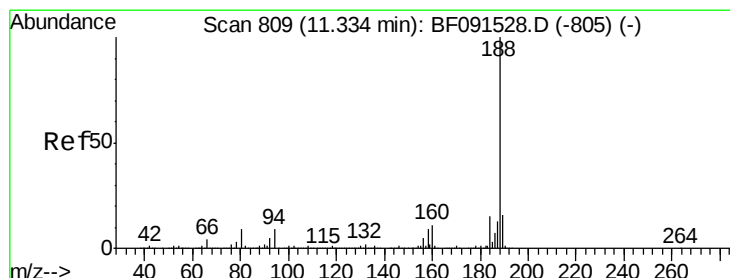
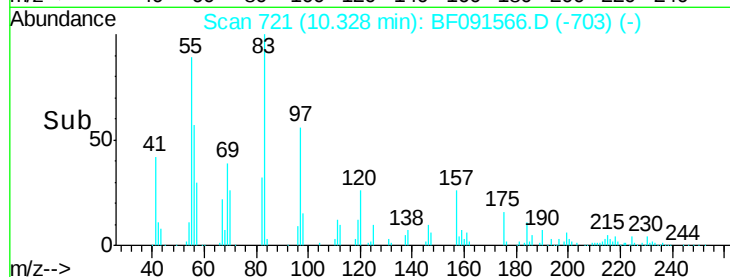
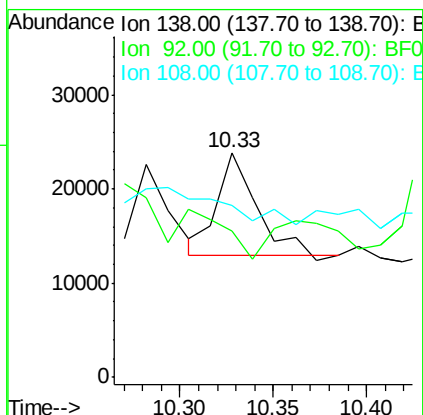
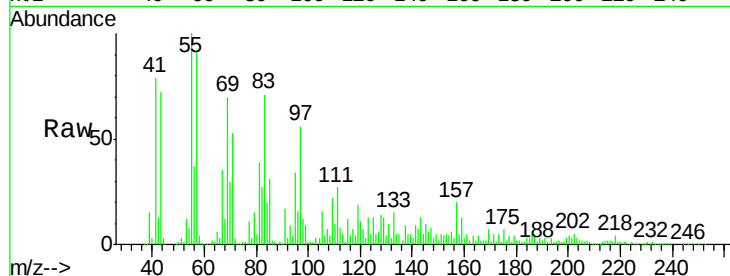




#61
4-Nitroaniline
Concen: 3.27 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.09 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

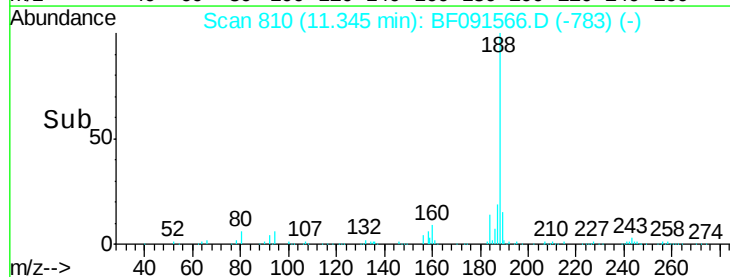
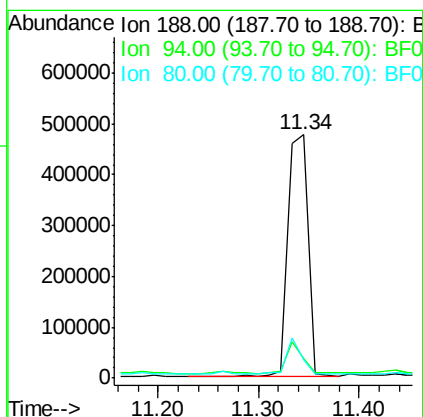
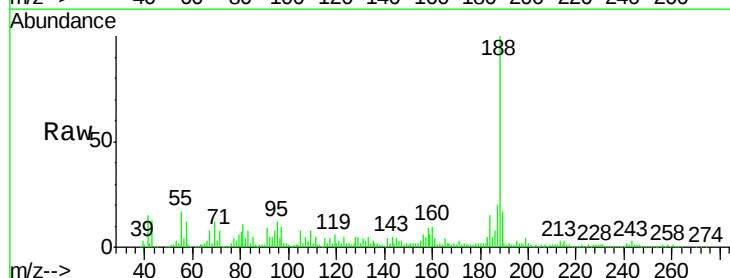
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

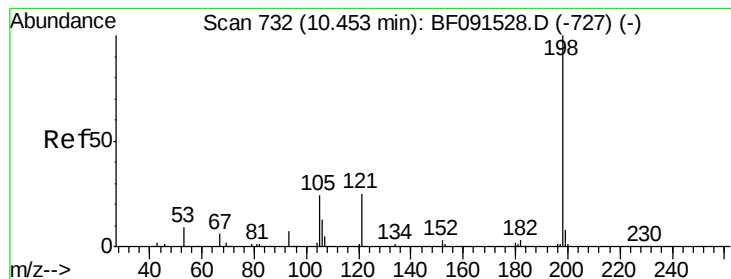
Tgt Ion:138 Resp: 15854
Ion Ratio Lower Upper
138 100
92 65.1 26.9 66.9
108 76.3 49.1 89.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:188 Resp: 660471
Ion Ratio Lower Upper
188 100
94 7.9 9.2 13.8#
80 7.4 10.5 15.7#





#64

4,6-Dinitro-2-methylphenol

Concen: 4.36 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.06 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

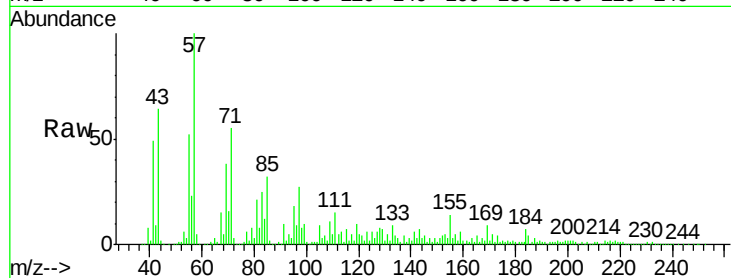
Tgt Ion:198 Resp: 6036

Ion Ratio Lower Upper

198 100

51 143.6 77.1 117.1#

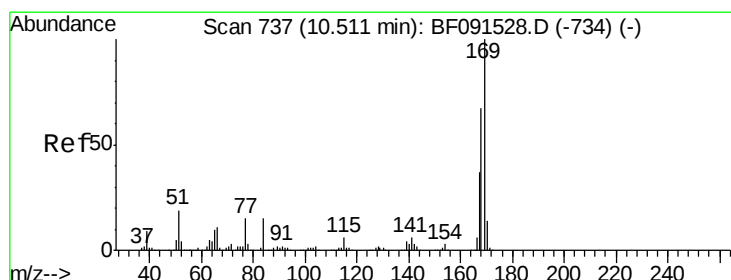
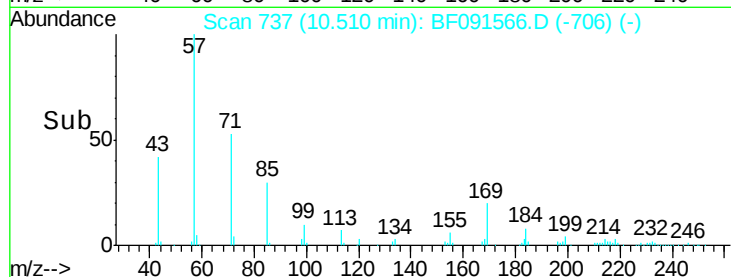
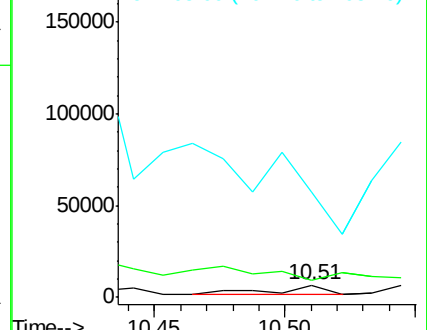
105 864.9 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 13.97 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

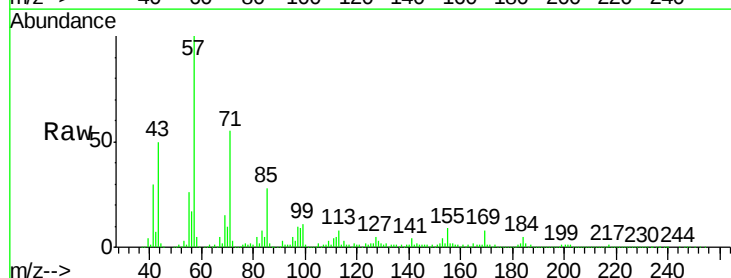
Tgt Ion:169 Resp: 275113

Ion Ratio Lower Upper

169 100

168 17.6 53.8 80.8#

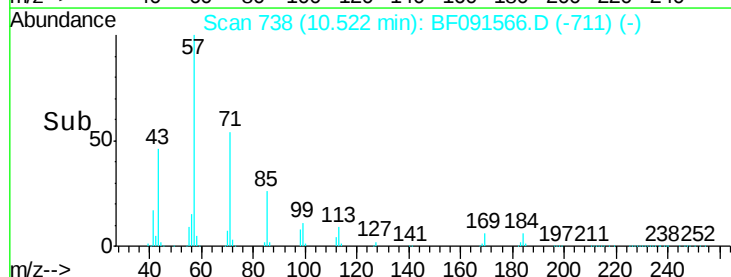
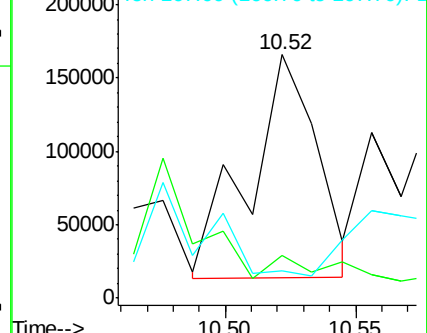
167 11.2 29.8 44.8#

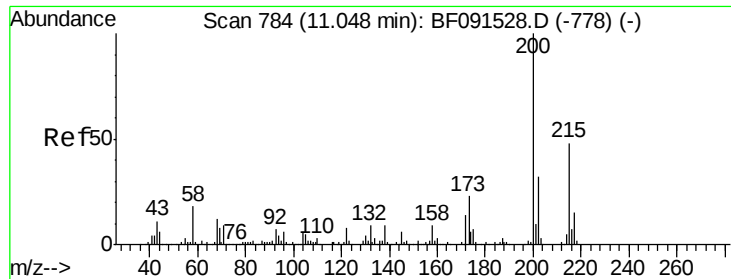


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

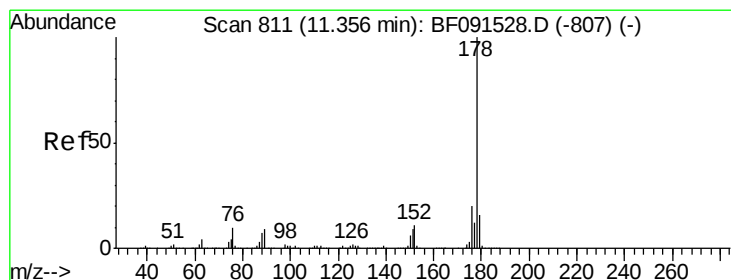
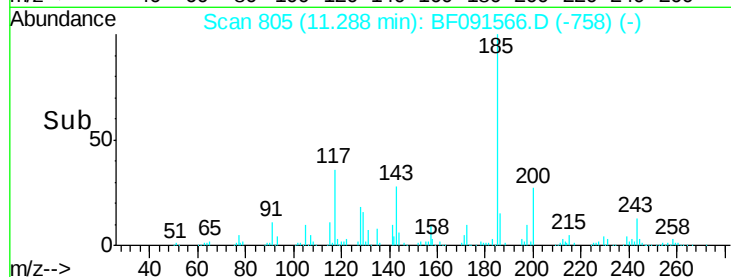
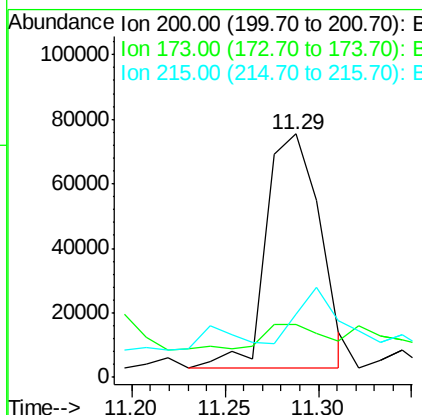
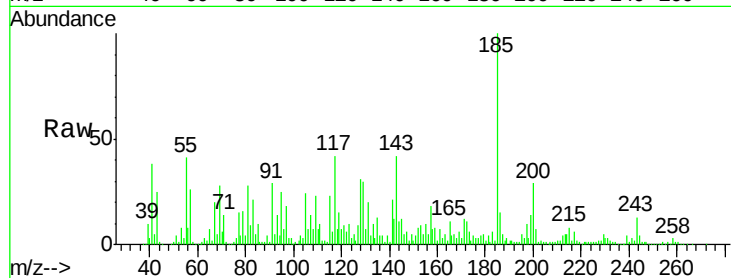




#68
Atrazine
Concen: 22.87 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.24 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

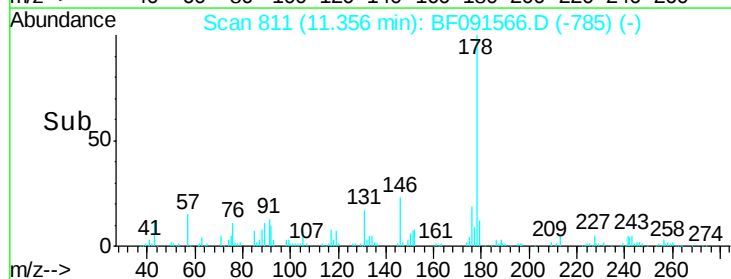
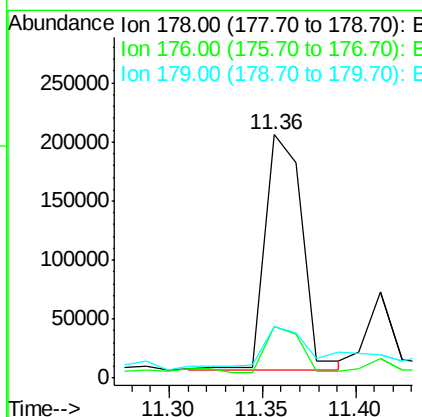
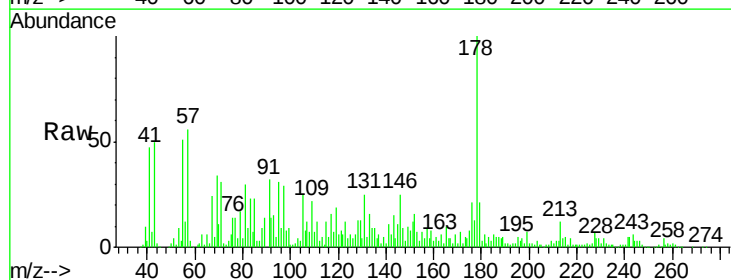
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

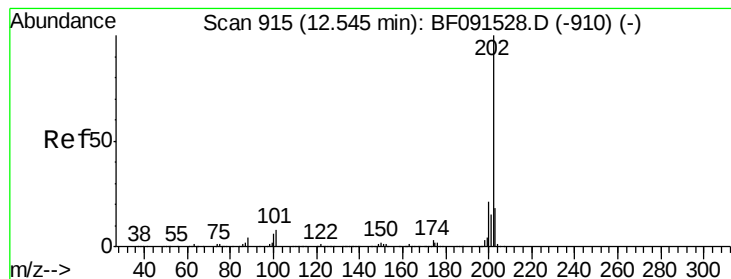
Tgt Ion:200 Resp: 144777
Ion Ratio Lower Upper
200 100
173 21.7 7.8 47.8
215 26.0 24.3 64.3



#70
Phenanthrene
Concen: 8.30 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:178 Resp: 271564
Ion Ratio Lower Upper
178 100
176 21.3 15.9 23.9
179 21.0 12.6 18.8#





#74

Fluoranthene

Concen: 7.91 ng

RT: 12.56 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

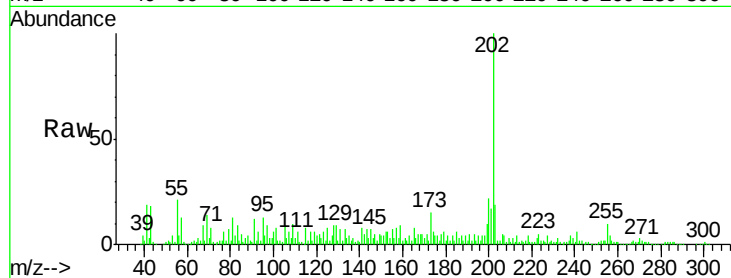
Tgt Ion:202 Resp: 270945

Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.5

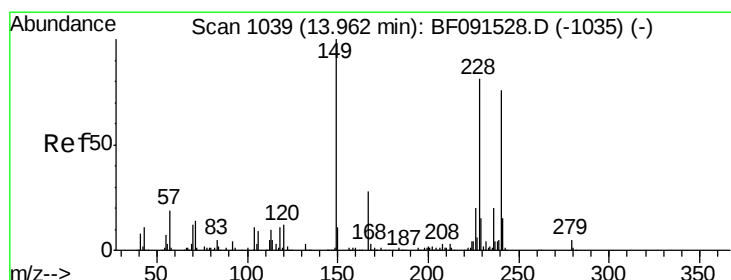
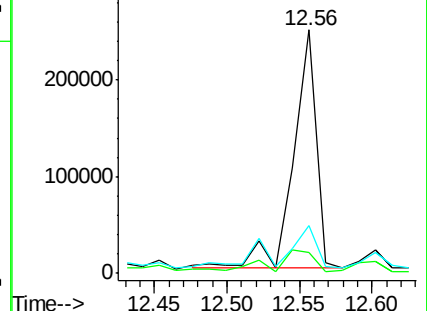
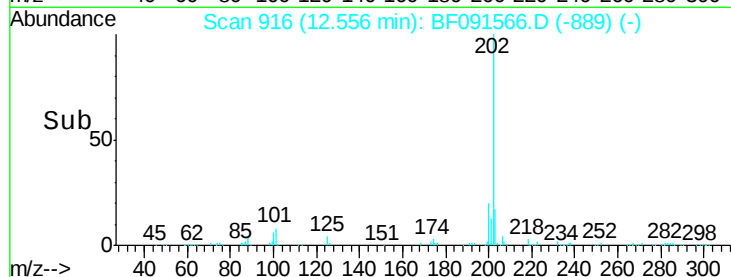
203 19.5 0.0 37.8



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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

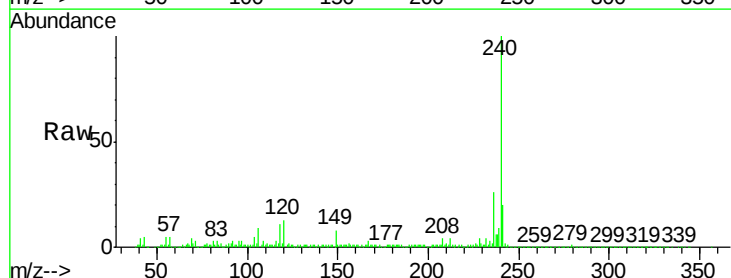
Tgt Ion:240 Resp: 550954

Ion Ratio Lower Upper

240 100

120 12.9 12.1 18.1

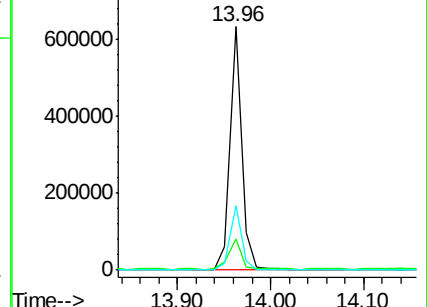
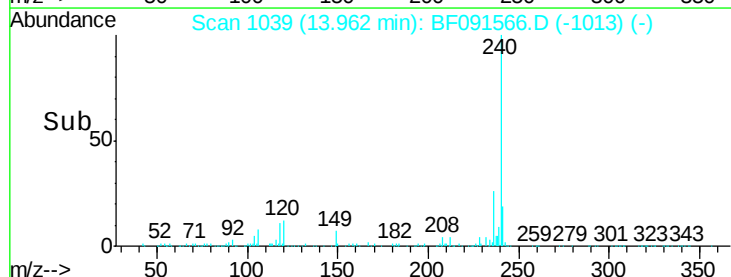
236 26.3 21.0 31.6

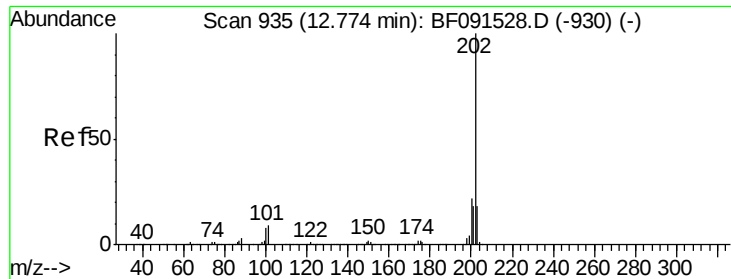


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.97 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

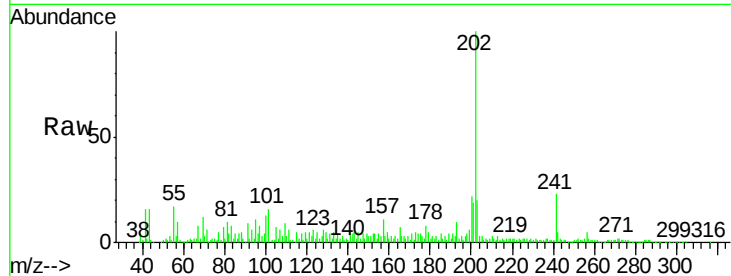
Tgt Ion:202 Resp: 260933

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

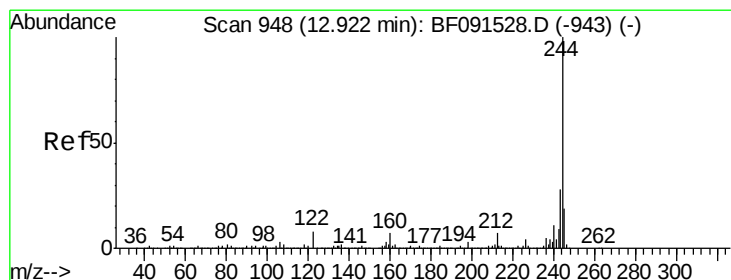
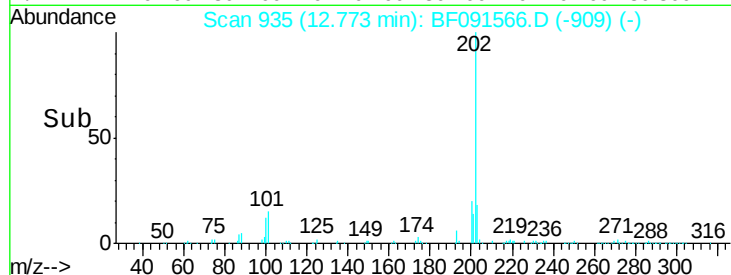
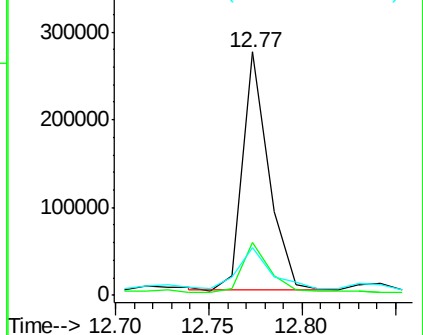
203 19.8 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.87 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

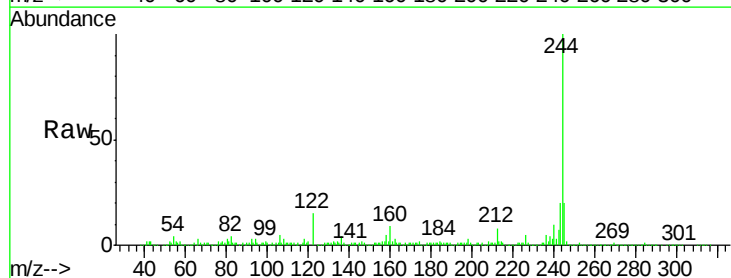
Tgt Ion:244 Resp: 1720836

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

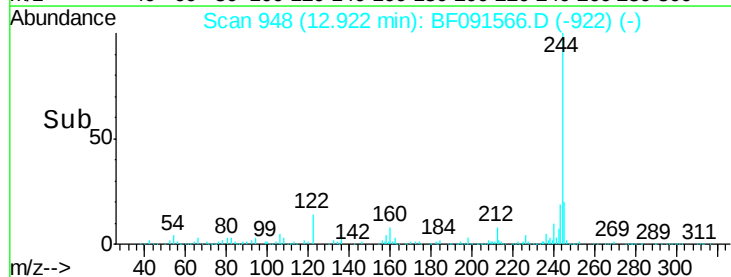
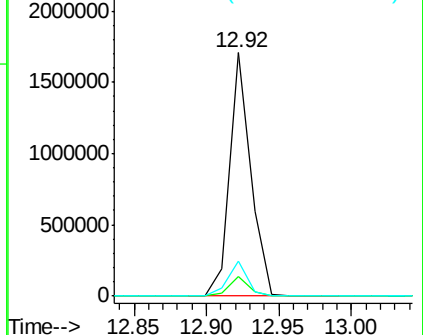
122 14.6 9.5 14.3#

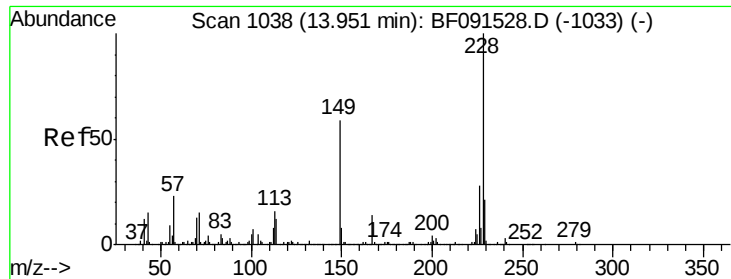


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

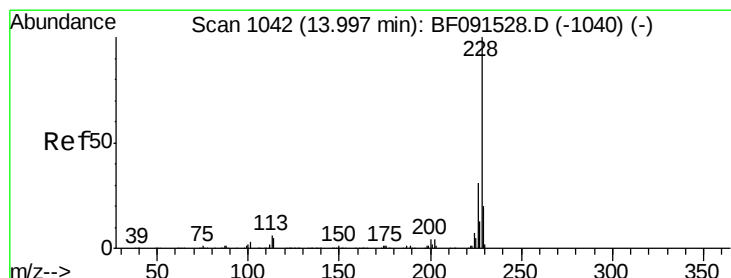
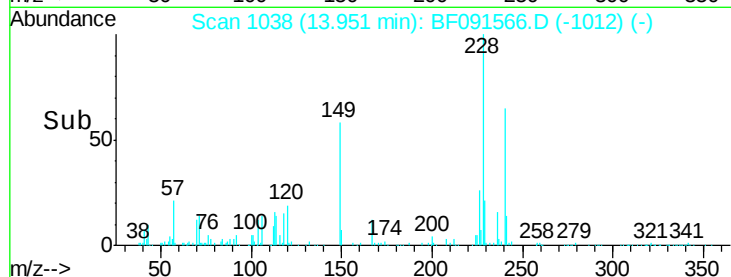
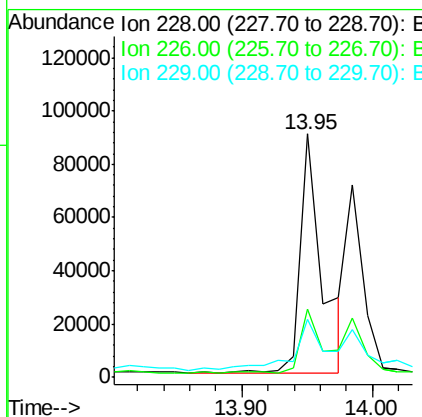
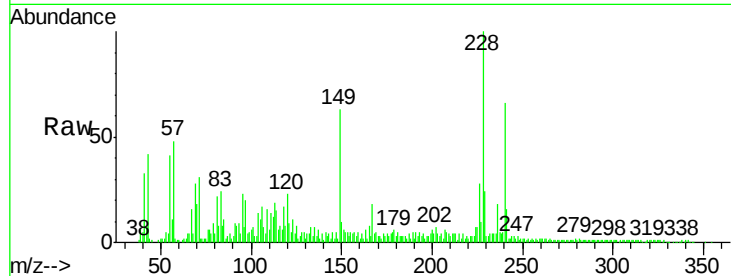




#80
Benzo(a)anthracene
Concen: 3.28 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

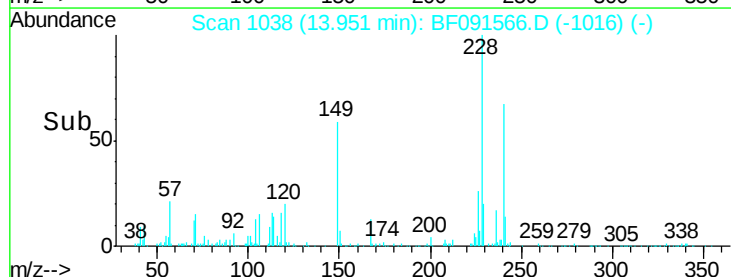
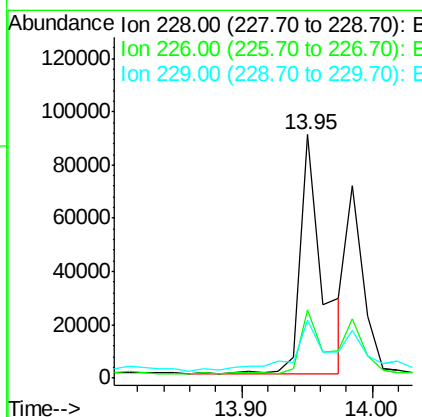
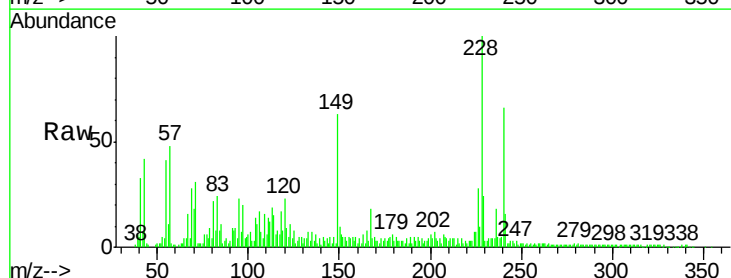
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

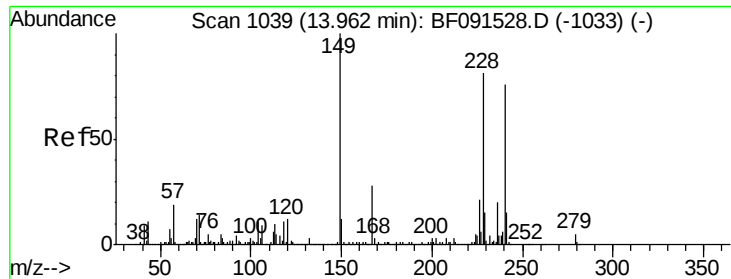
Tgt Ion:228 Resp: 104907
Ion Ratio Lower Upper
228 100
226 27.9 22.5 33.7
229 24.1 16.4 24.6



#82
Chrysene
Concen: 3.13 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:228 Resp: 104907
Ion Ratio Lower Upper
228 100
226 27.9 25.0 37.4
229 24.1 16.0 24.0#

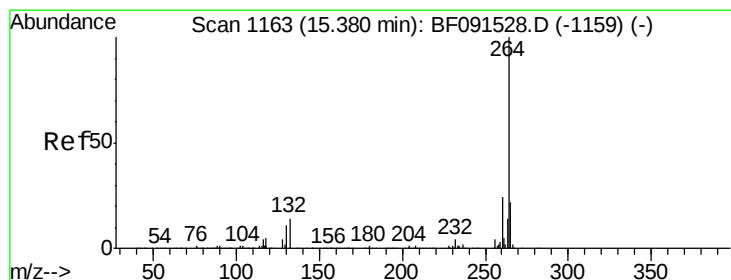
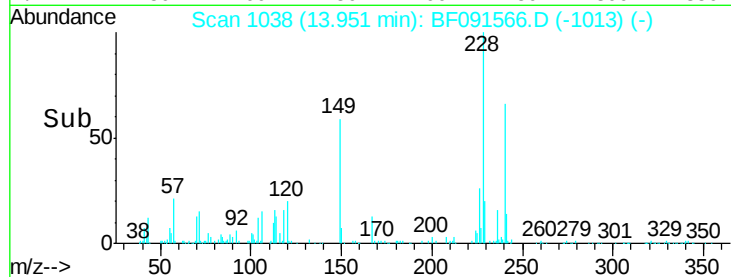
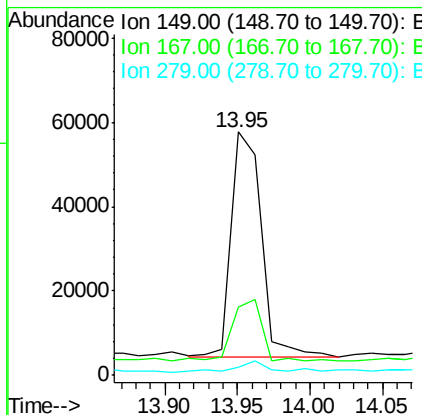
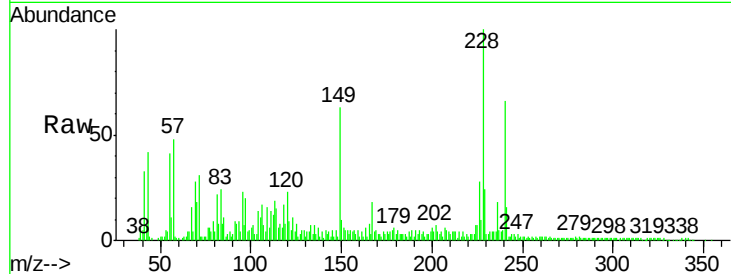




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.52 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

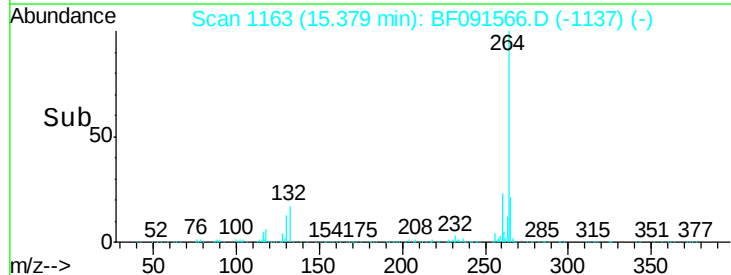
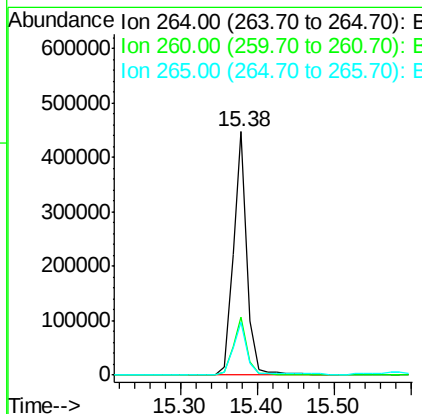
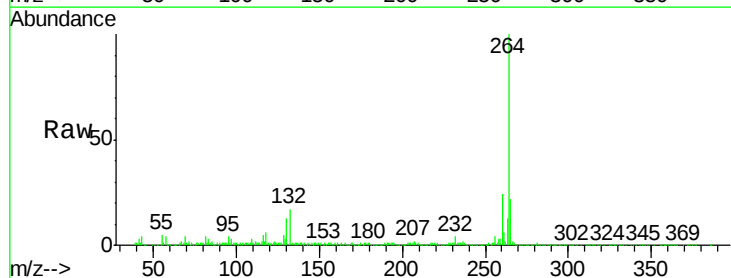
Instrument :
 BNA_F
 ClientSampleId :
 SB-47(6-8)-12-8-16

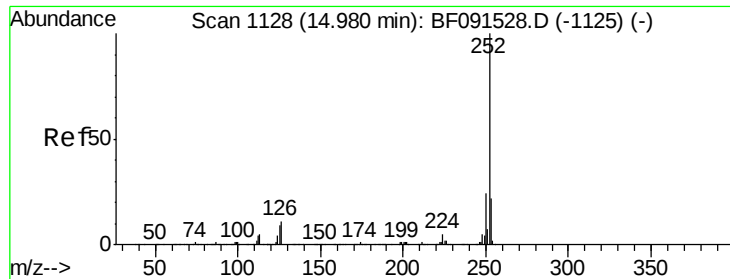
Tgt Ion:149 Resp: 77051
 Ion Ratio Lower Upper
 149 100
 167 27.8 19.6 29.4
 279 3.1 1.9 2.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF091566.D
 Acq: 13 Dec 2016 20:52

Tgt Ion:264 Resp: 555971
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 21.7 17.0 25.6

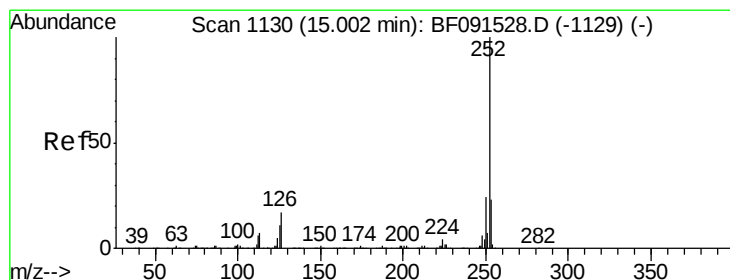
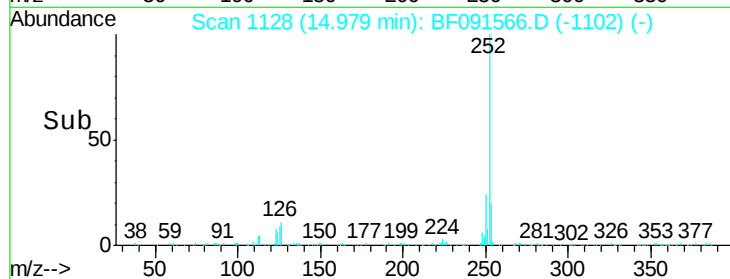
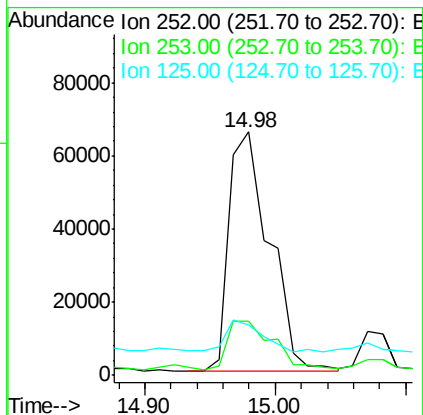
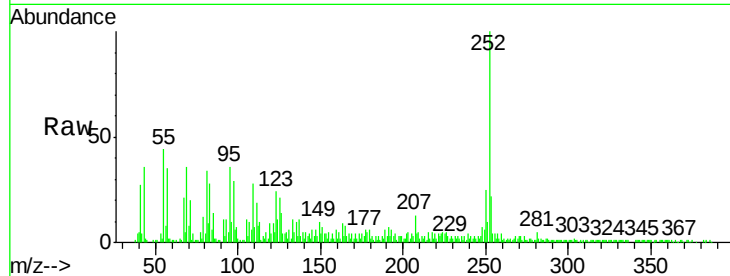




#87
Benzo(b)fluoranthene
Concen: 4.27 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

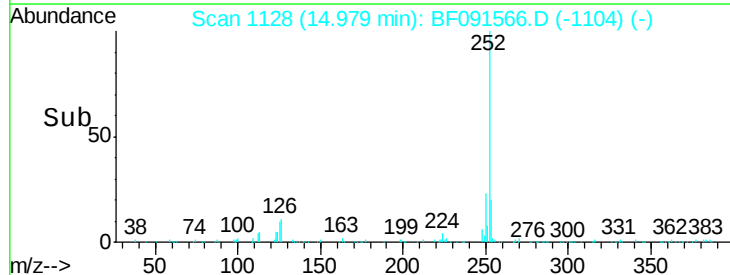
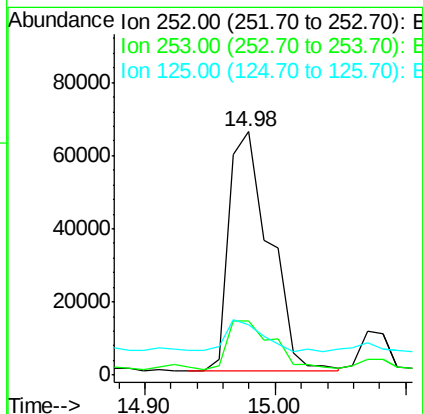
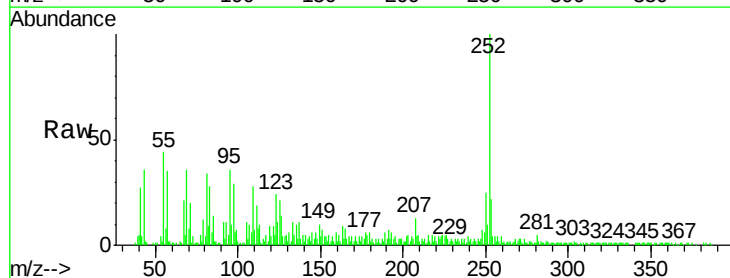
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

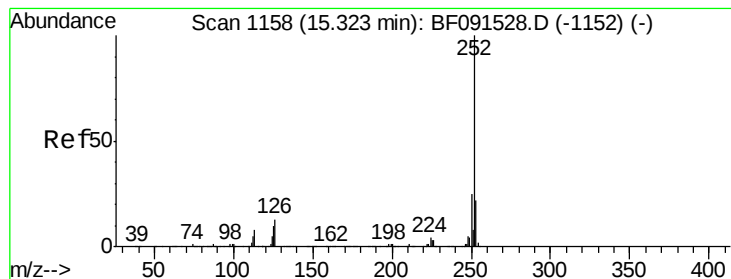
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	20.6	8.6	13.0#



#88
Benzo(k)fluoranthene
Concen: 4.86 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.02 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	20.6	9.6	14.4#





#89

Benzo(a)pyrene

Concen: 2.49 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF091566.D

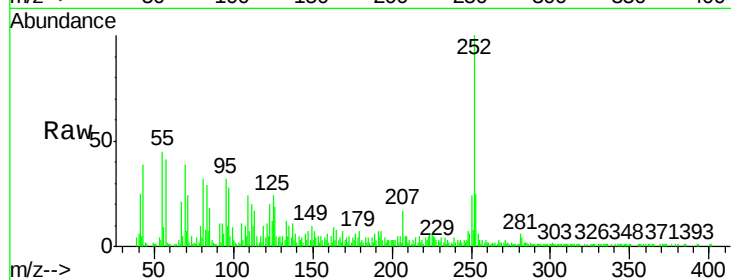
Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16



Tgt Ion:	252	Resp:	74250
Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.4
125	23.8	10.4	15.6

