

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122718\
 Data File : BF111783.D
 Acq On : 28 Dec 2018 1:31
 Operator : JU/SJ
 Sample : J6426-16DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-3036-01DL

Quant Time: Dec 28 07:38:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	120144	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	406656	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	179308	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	304637	20.00	ng	0.02
76) Chrysene-d12	14.07	240	253706	20.00	ng	0.02
87) Perylene-d12	15.56	264	196757	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	99336	14.09	ng	0.03
7) Phenol-d6	6.55	99	166048	18.51	ng	0.02
23) Nitrobenzene-d5	7.46	82	144486	20.68	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	47711	22.52	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	266261	21.64	ng	0.00
79) Terphenyl-d14	13.01	244	246426	18.42	ng	0.01

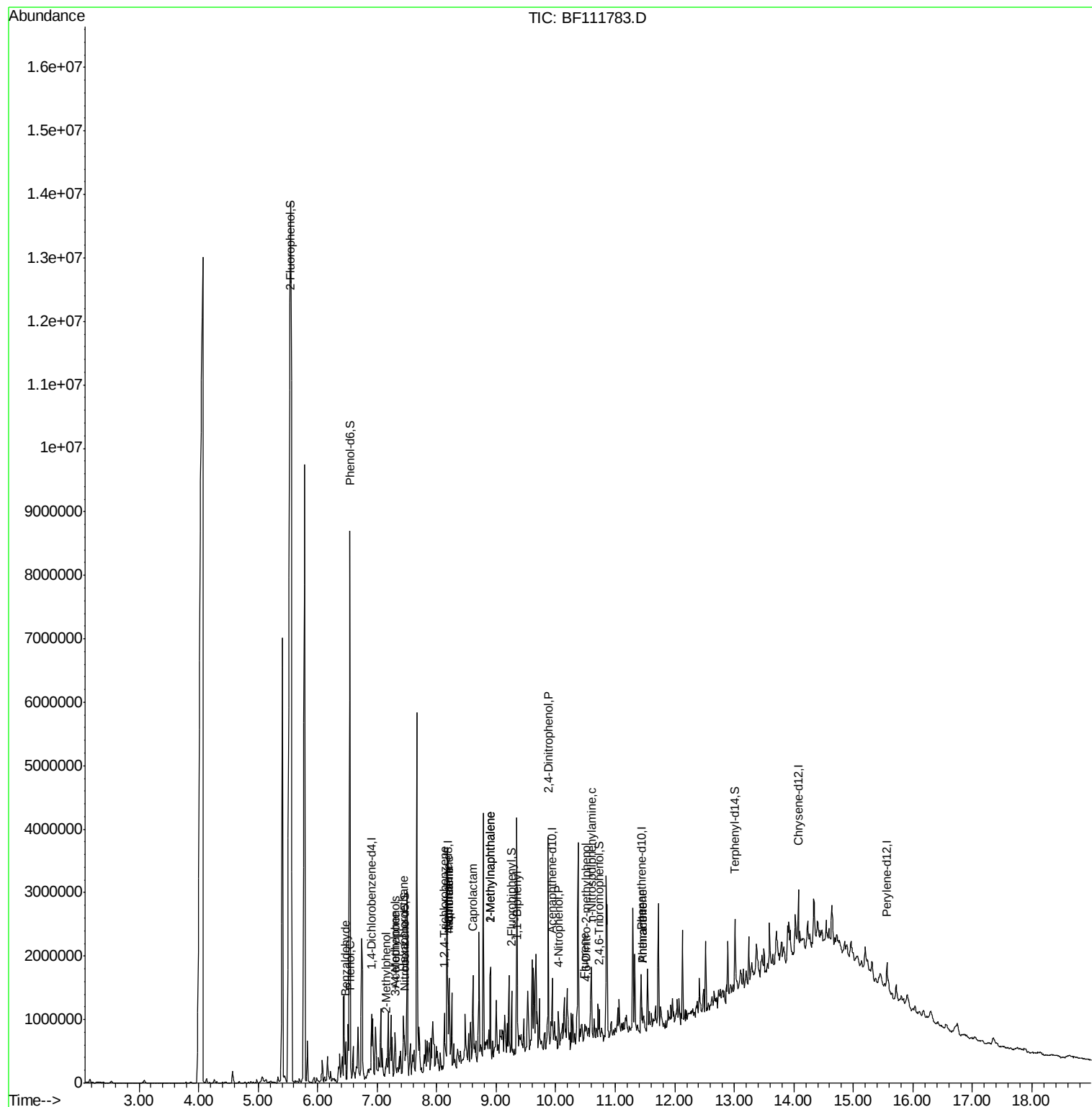
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	21653	3.510	ng	# 1
10) Phenol	6.56	94	31793	3.141	ng	98
17) 2-Methylphenol	7.16	107	12655	2.024	ng	# 59
18) Hexachloroethane	7.44	117	33622	10.872	ng	# 1
20) 3+4-Methylphenols	7.31	107	25043	3.170	ng	# 66
22) Acetophenone	7.30	105	85387	8.288	ng	# 42
30) 1,2,4-Trichlorobenzene	8.13	180	123697	17.629	ng	98
31) Naphthalene	8.21	128	391759	20.050	ng	97
33) 4-Chloroaniline	8.21	127	54655	6.472	ng	# 34
35) Caprolactam	8.61	113	24809	11.628	ng	# 22
37) 2-Methylnaphthalene	8.90	142	378472	29.772	ng	99
38) 1-Methylnaphthalene	8.90	142	378472	30.999	ng	97
46) 1,1'-Biphenyl	9.36	154	67547	4.463	ng	92
54) 2,4-Dinitrophenol	9.88	184	310	7.643	ng	# 1
56) 4-Nitrophenol	10.05	139	13174	6.191	ng	# 43
58) Fluorene	10.49	166	31376	2.669	ng	# 89
65) 4,6-Dinitro-2-methylphenol	10.52	198	585	7.093	ng	# 1
66) n-Nitrosodiphenylamine	10.60	169	48823	4.774	ng	# 45
71) Phenanthrene	11.46	178	120989	7.489	ng	95
72) Anthracene	11.46	178	120989	7.461	ng	96

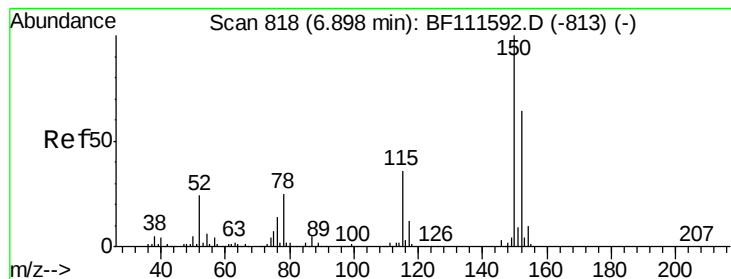
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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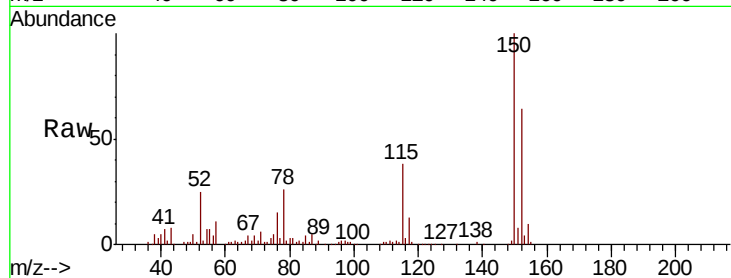


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.6	189.8
115	60.4	50.7	76.1

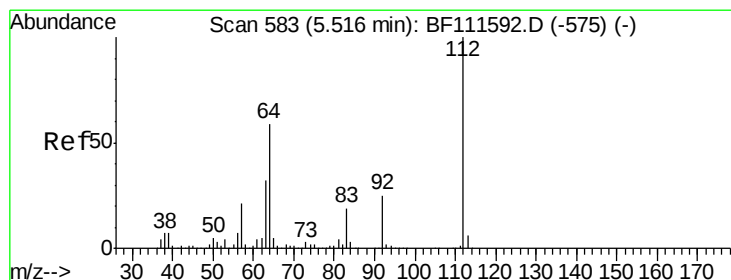
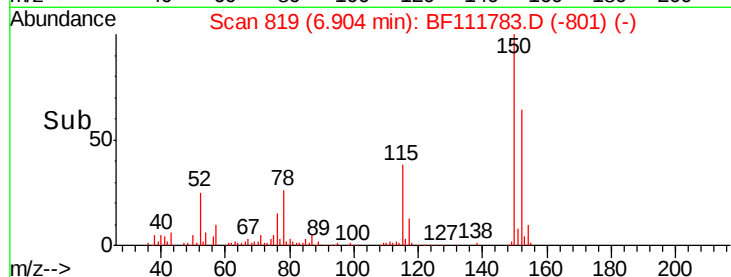
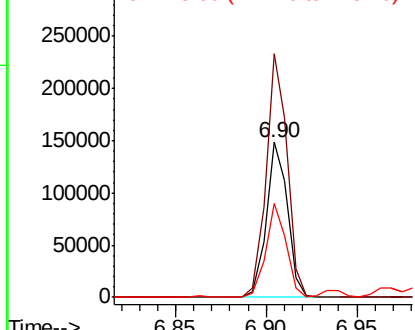


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

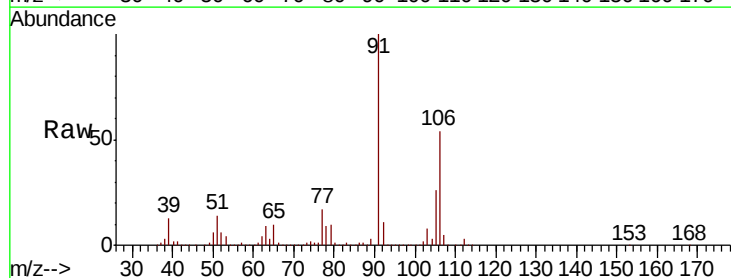
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.093 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.03 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	118.2	51.8	77.6#
63	321.5	26.8	40.2#

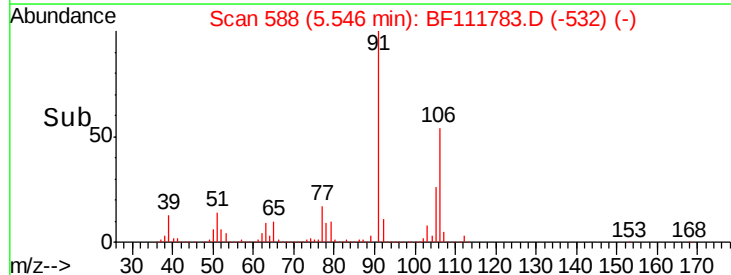
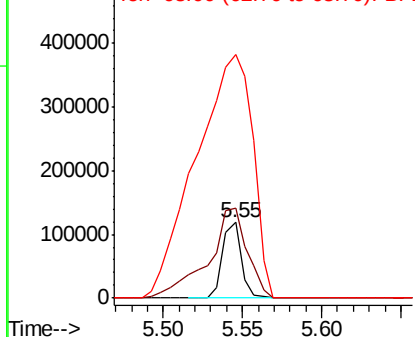


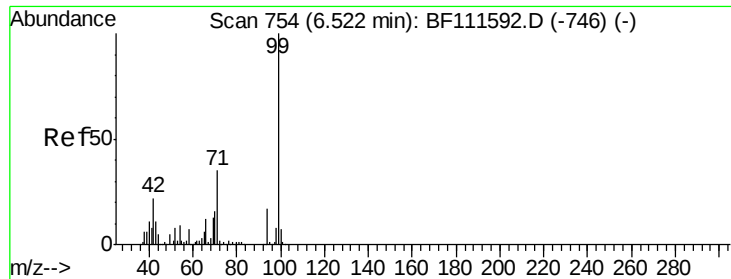
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.511 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

ClientSampleId :

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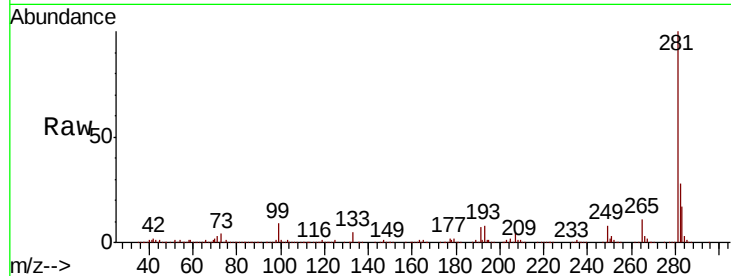
Tgt Ion: 99 Resp: 166048

Ion Ratio Lower Upper

99 100

42 20.8 17.4 26.0

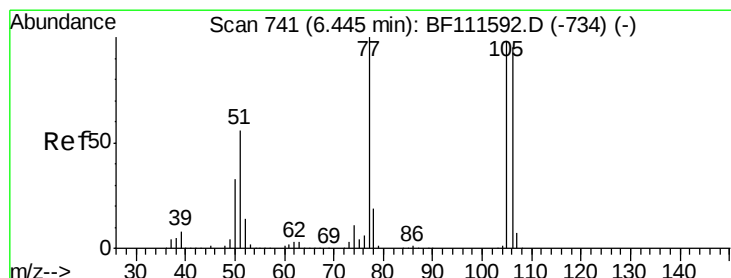
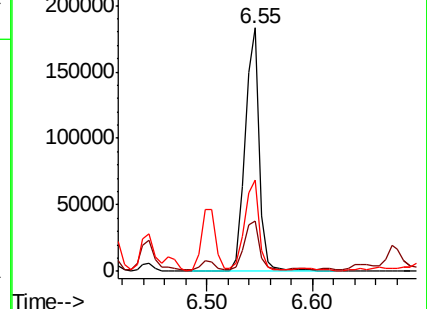
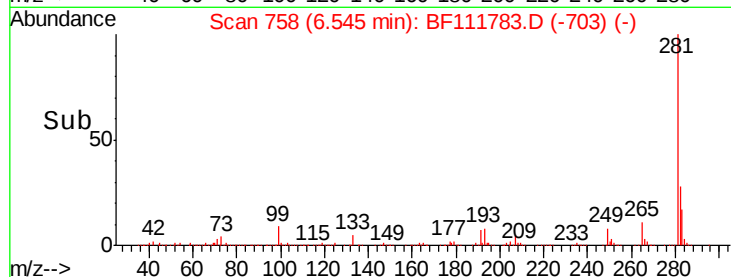
71 37.6 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.510 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

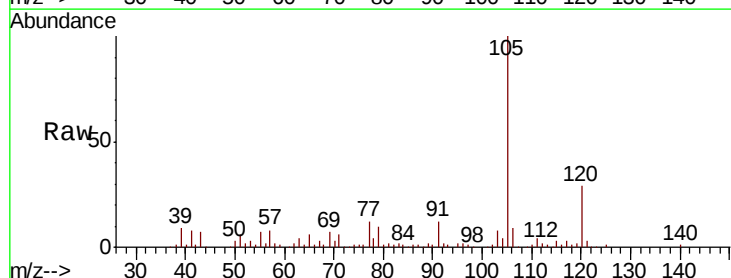
Tgt Ion: 77 Resp: 21653

Ion Ratio Lower Upper

77 100

105 819.7 81.4 121.4#

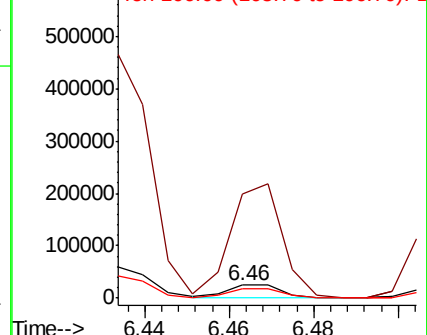
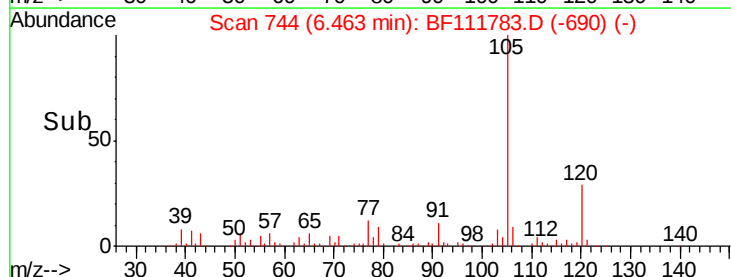
106 74.2 77.9 117.9#

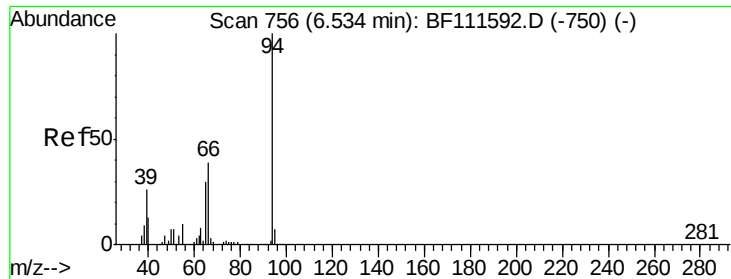


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.141 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

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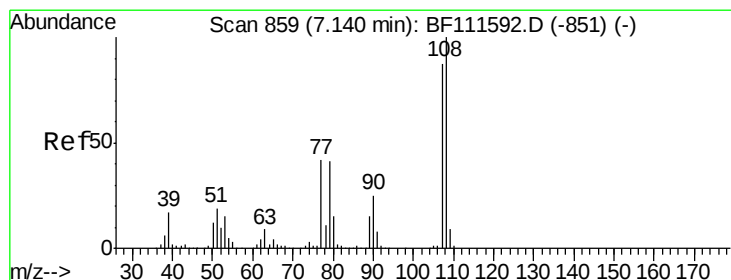
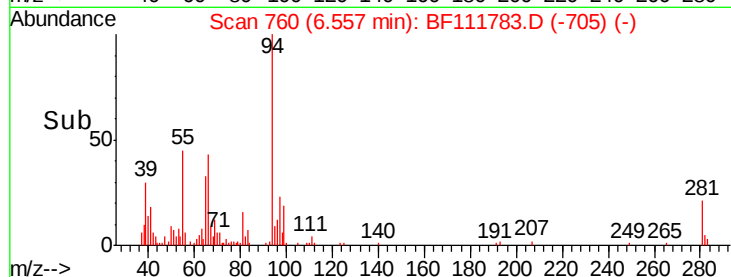
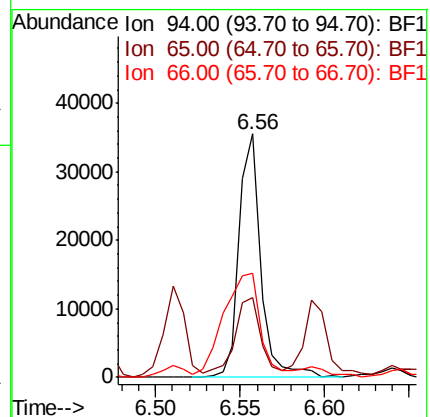
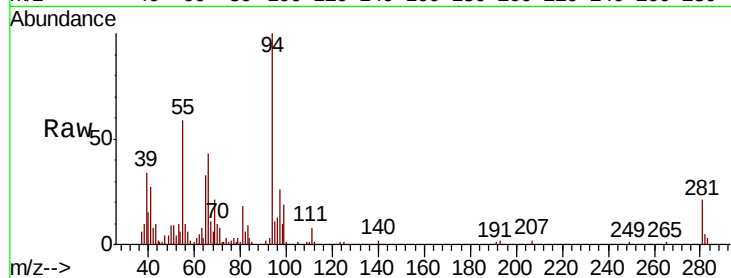
Tgt Ion: 94 Resp: 31793

Ion Ratio Lower Upper

94 100

65 32.7 11.7 51.7

66 42.5 21.0 61.0



#17

2-Methylphenol

Concen: 2.024 ng

RT: 7.16 min Scan# 862

Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Tgt Ion: 107 Resp: 12655

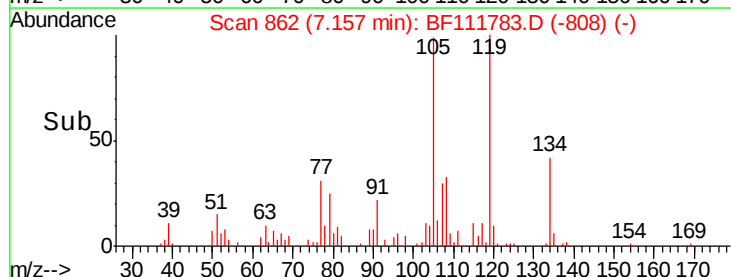
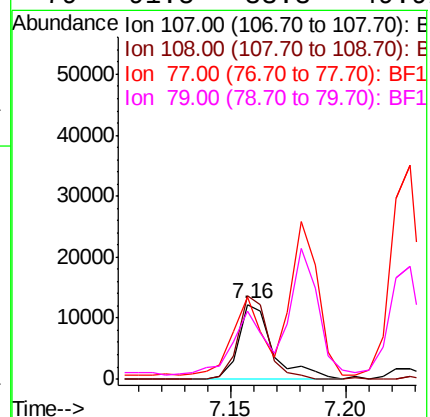
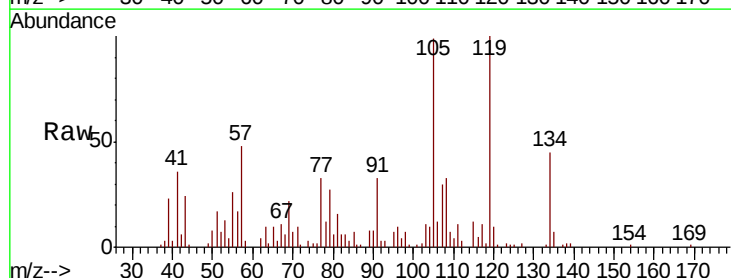
Ion Ratio Lower Upper

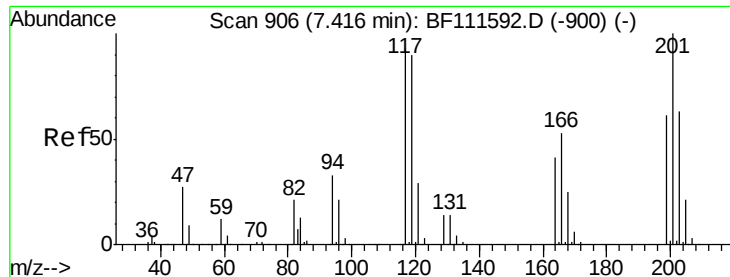
107 100

108 110.7 91.0 136.4

77 109.8 33.5 50.3#

79 91.5 33.3 49.9#

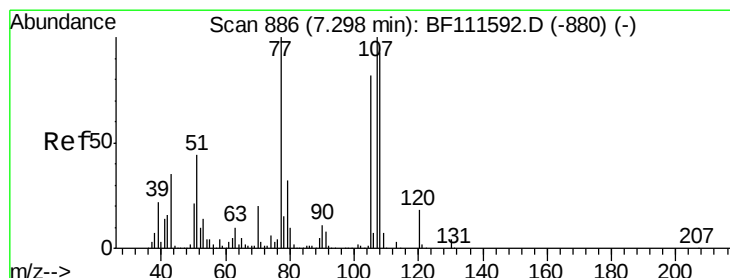
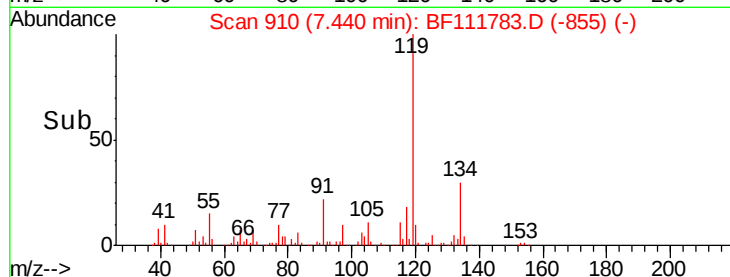
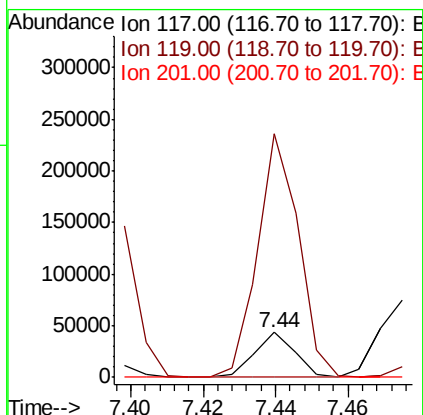
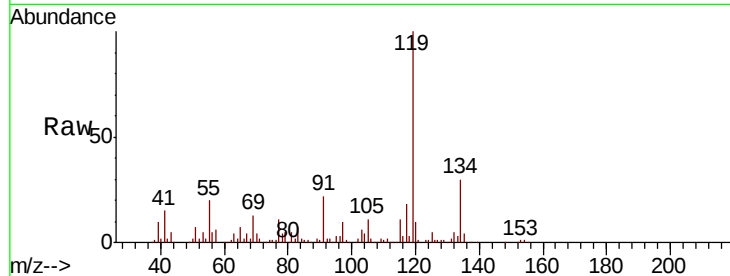




#18
Hexachloroethane
Concen: 10.872 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.02 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

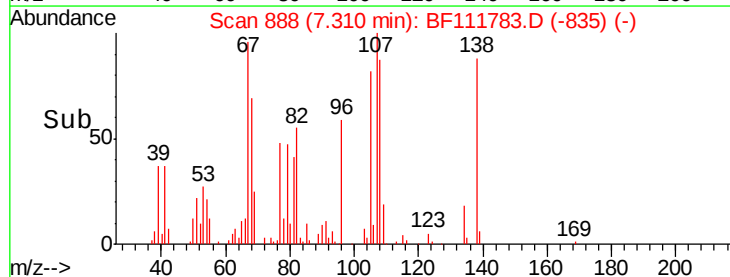
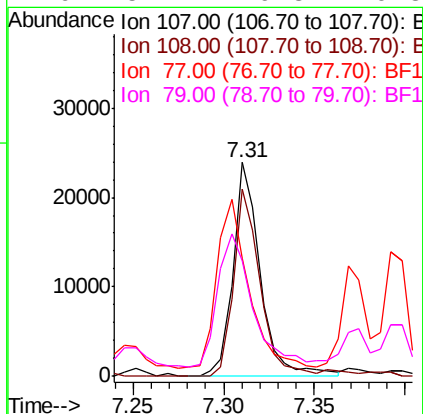
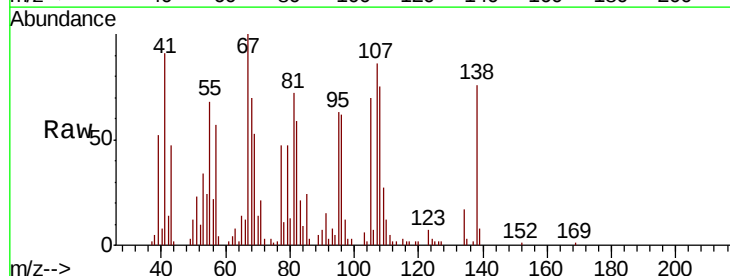
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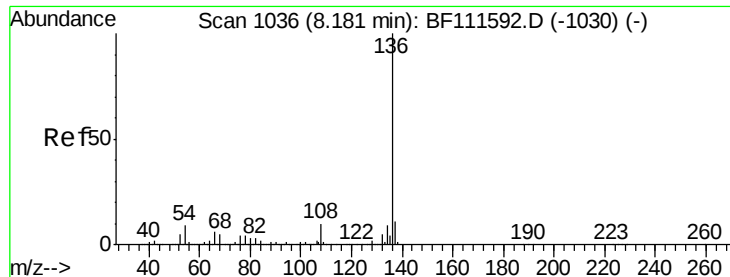
Tgt Ion:117 Resp: 33622
Ion Ratio Lower Upper
117 100
119 544.9 75.4 113.0#
201 0.0 62.4 93.6#



#20
3+4-Methylphenols
Concen: 3.170 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion:107 Resp: 25043
Ion Ratio Lower Upper
107 100
108 87.2 72.1 112.1
77 55.0 94.1 134.1#
79 54.2 9.8 49.8#

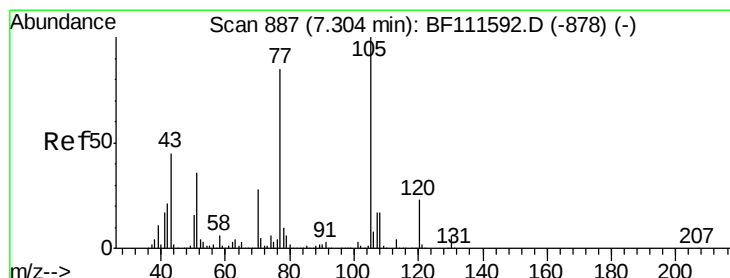
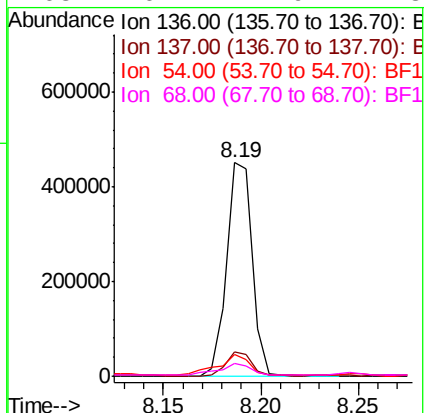
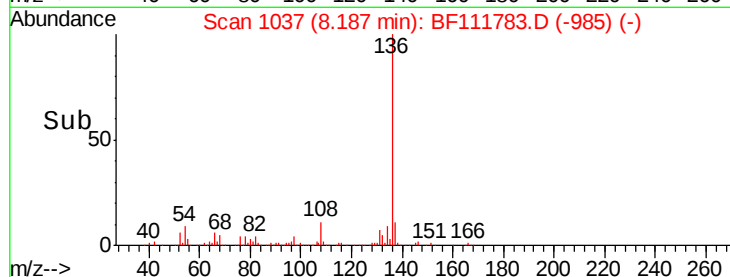
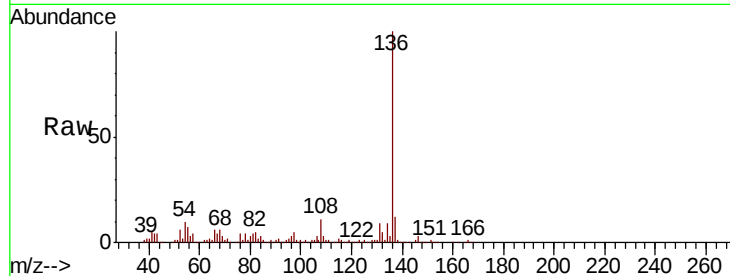




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

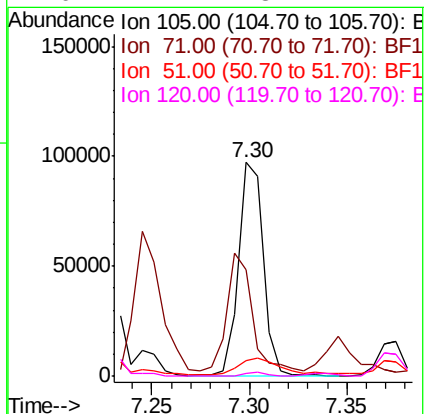
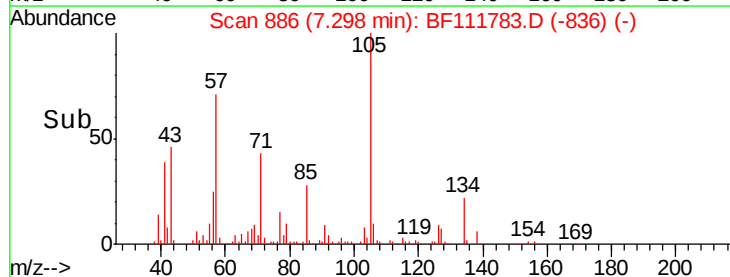
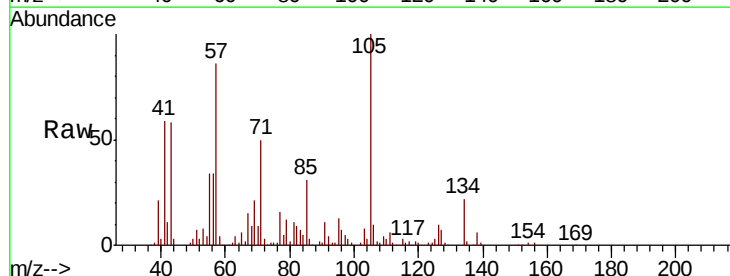
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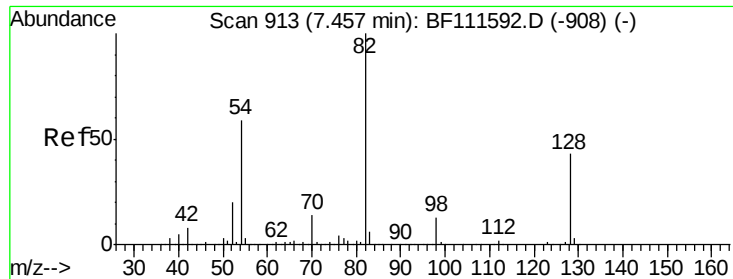
Tgt Ion:	136	Resp:	406656
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	10.0	7.7	11.5
68	6.1	4.9	7.3



#22
Acetophenone
Concen: 8.288 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion:	105	Resp:	85387
Ion Ratio	Lower	Upper	
105	100		
71	49.8	3.1	4.7#
51	7.3	36.6	54.8#
120	1.2	18.2	27.4#

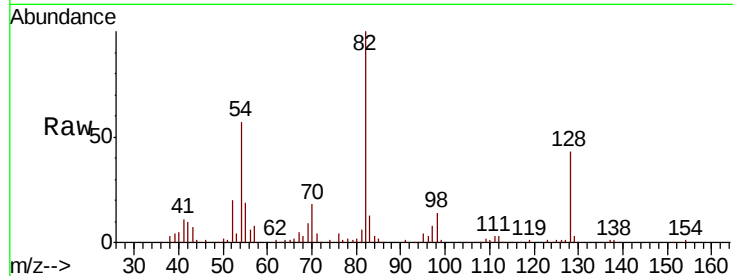




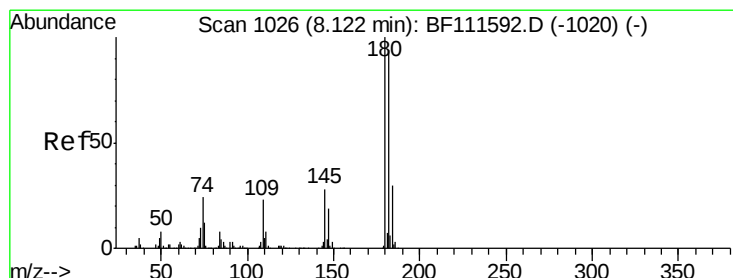
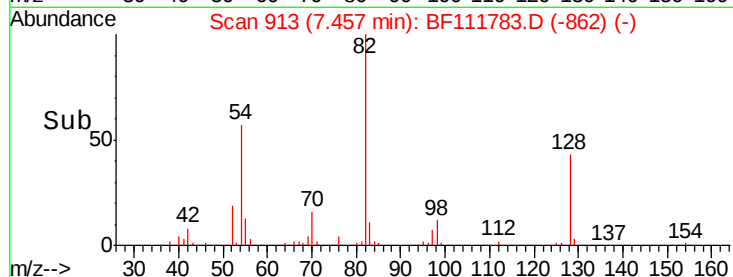
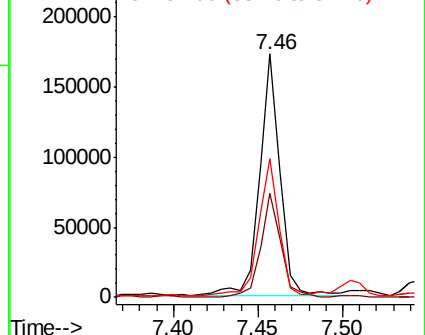
#23
Nitrobenzene-d5
Concen: 20.681 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tgt Ion: 82 Resp: 144486
Ion Ratio Lower Upper
82 100
128 42.6 37.4 56.2
54 56.7 47.6 71.4

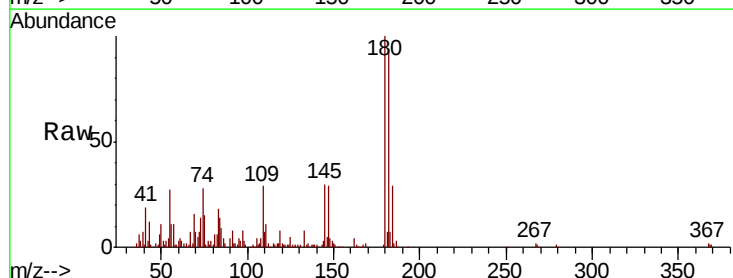


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

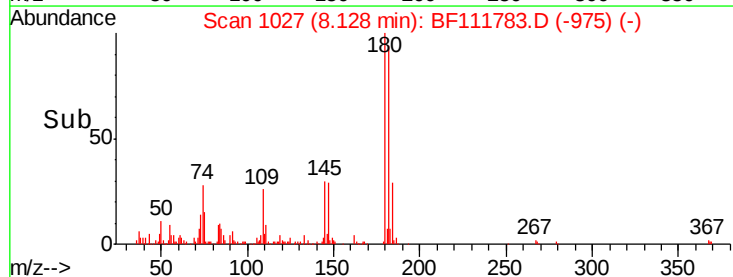
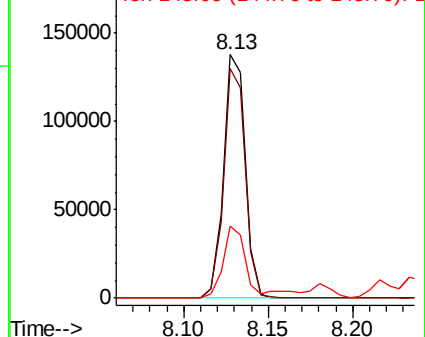


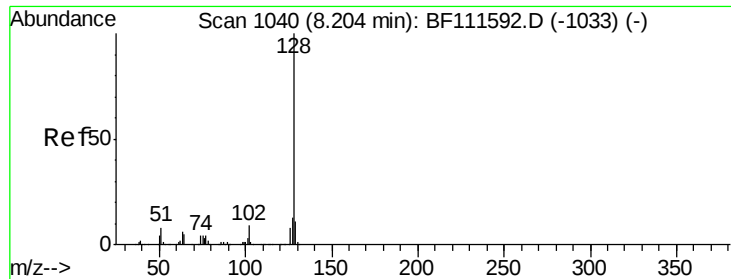
#30
1,2,4-Trichlorobenzene
Concen: 17.629 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion: 180 Resp: 123697
Ion Ratio Lower Upper
180 100
182 94.4 75.6 113.4
145 29.6 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 145.00 (144.70 to 145.70): BF1

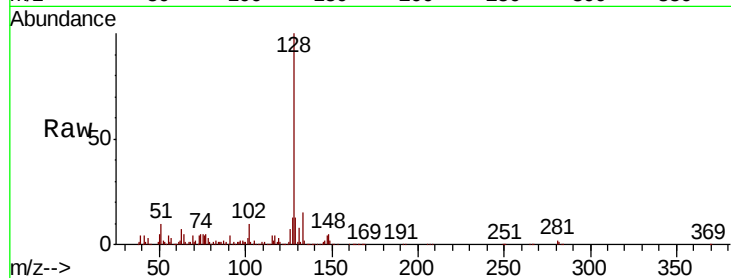




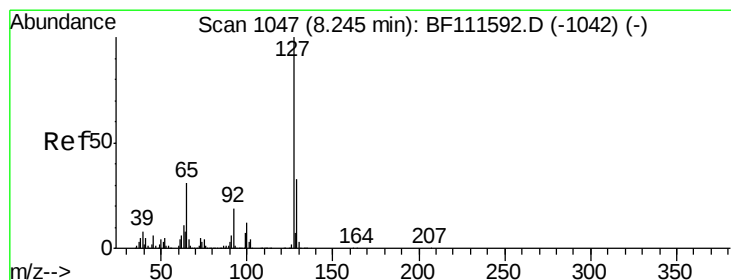
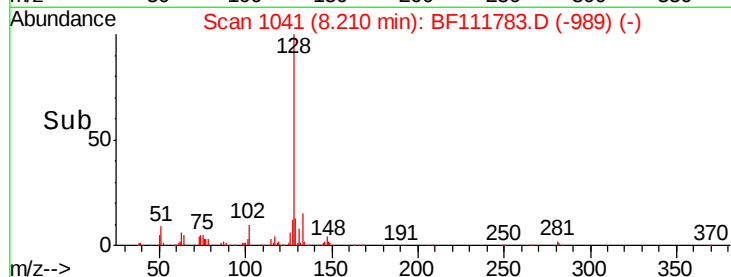
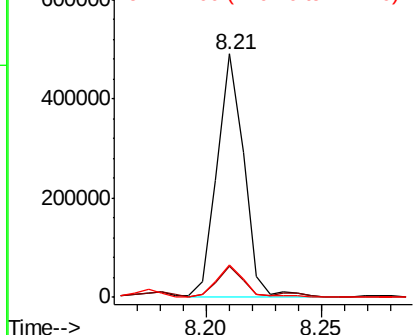
#31
Naphthalene
Concen: 20.050 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.8	14.8
127	13.3	12.0	18.0

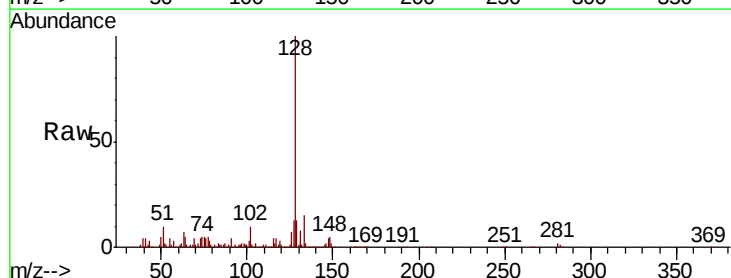


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

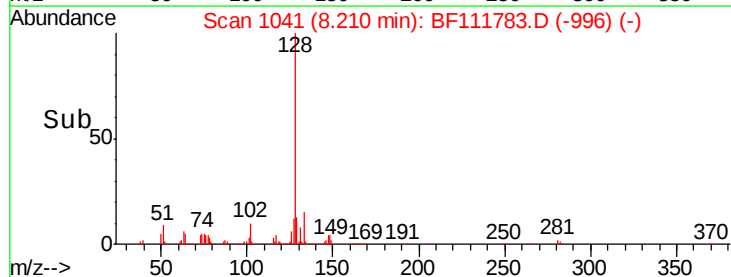
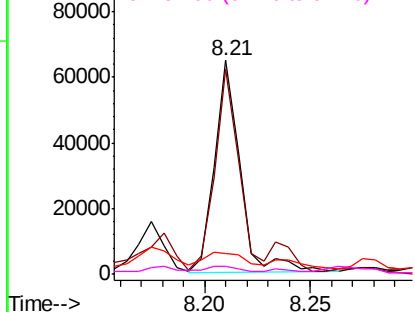


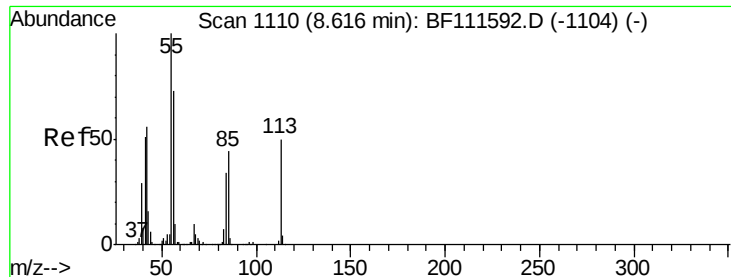
#33
4-Chloroaniline
Concen: 6.472 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.04 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion	Ratio	Lower	Upper
127	100		
129	95.7	26.6	39.8#
65	9.9	25.7	38.5#
92	3.3	15.4	23.2#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

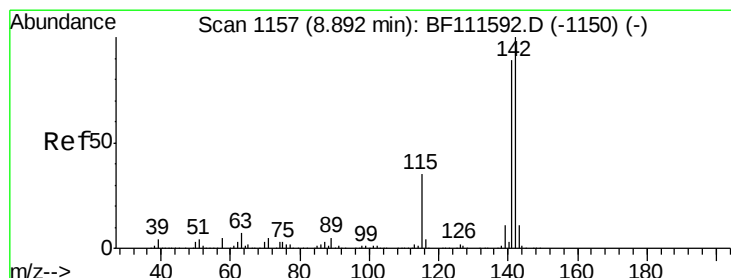
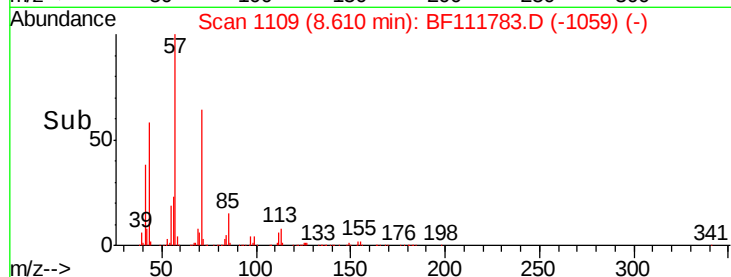
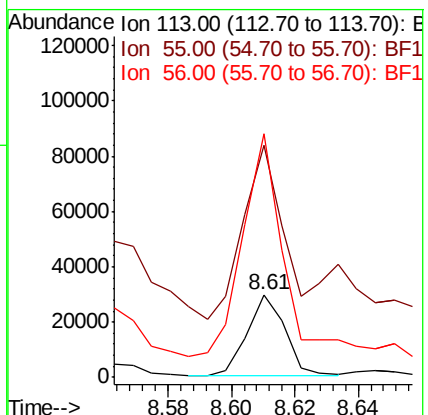
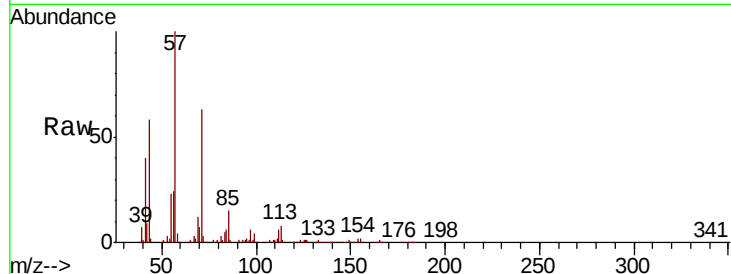




#35
 Caprolactam
 Concen: 11.628 ng
 RT: 8.61 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

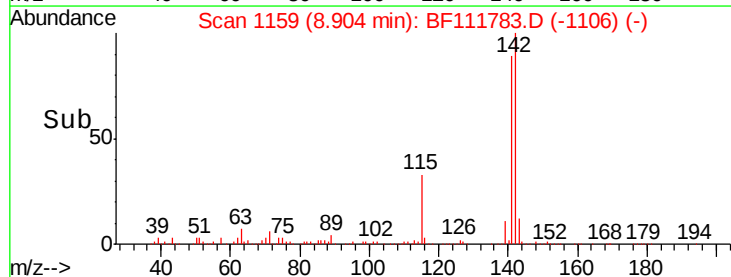
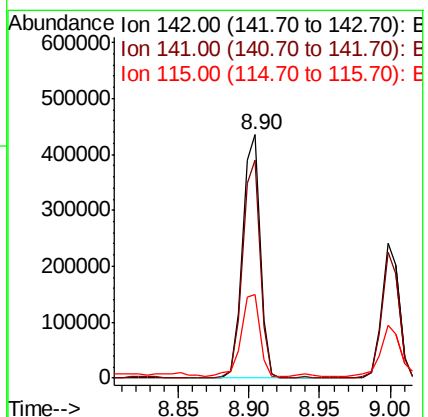
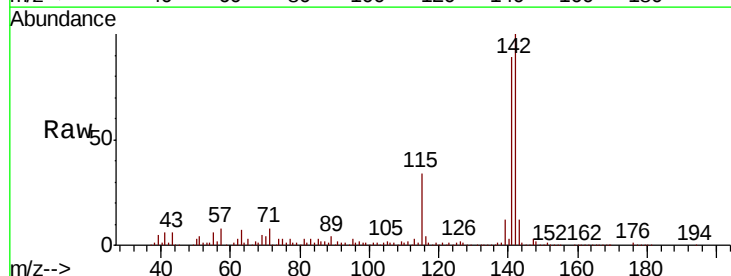
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-3036-01DL

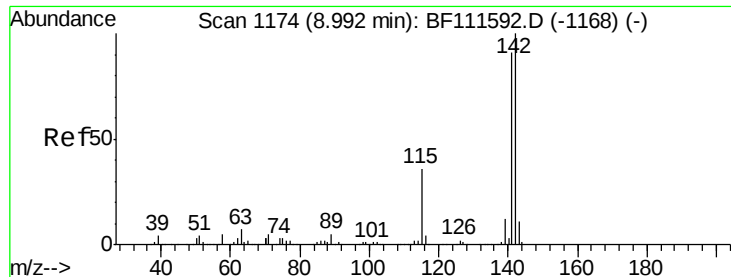
Tgt Ion:113 Resp: 24809
 Ion Ratio Lower Upper
 113 100
 55 280.3 184.1 224.1#
 56 293.8 126.0 166.0#



#37
 2-Methylnaphthalene
 Concen: 29.772 ng
 RT: 8.90 min Scan# 1159
 Delta R.T. 0.01 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

Tgt Ion:142 Resp: 378472
 Ion Ratio Lower Upper
 142 100
 141 89.4 70.6 105.8
 115 34.1 27.0 40.6

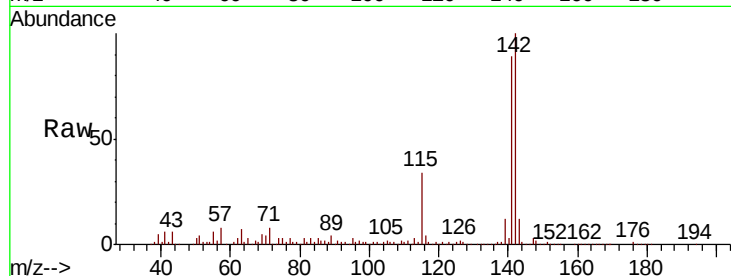




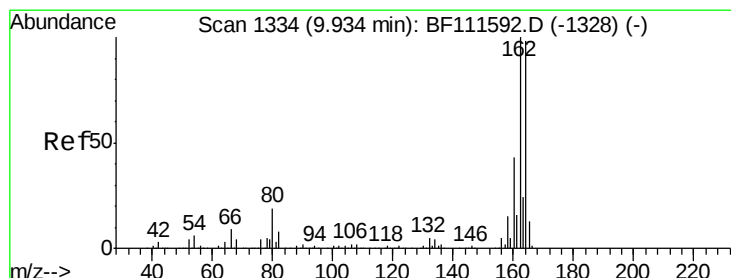
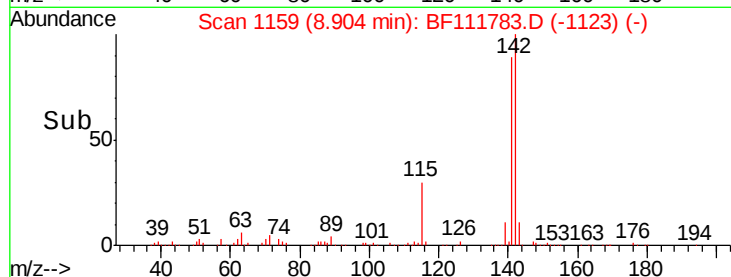
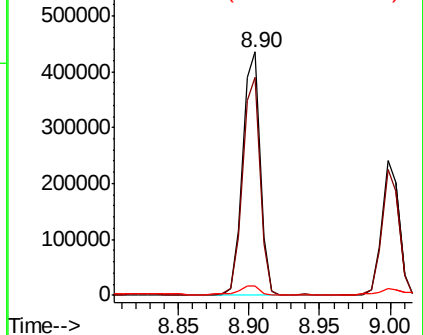
#38
1-Methylnaphthalene
Concen: 30.999 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.09 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tgt Ion:142 Resp: 378472
Ion Ratio Lower Upper
142 100
141 89.4 74.2 111.4
116 3.6 2.9 4.3

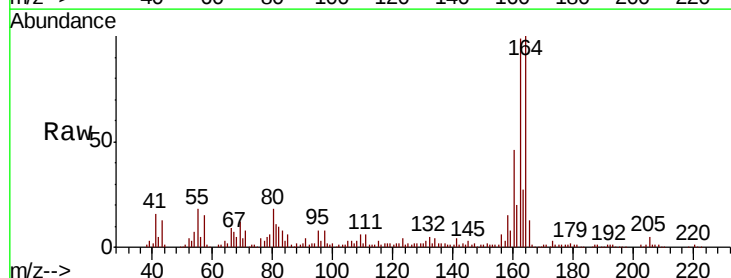


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

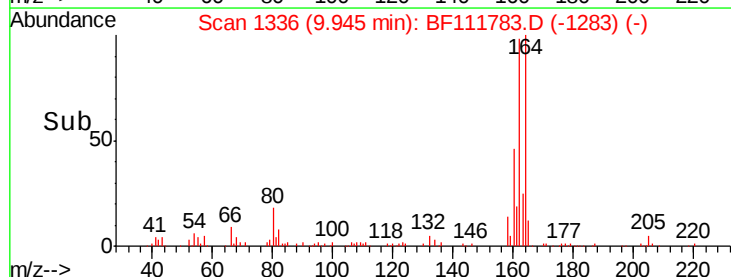
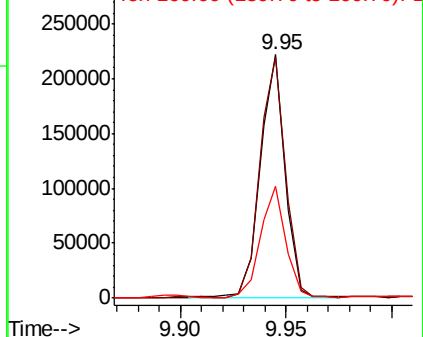


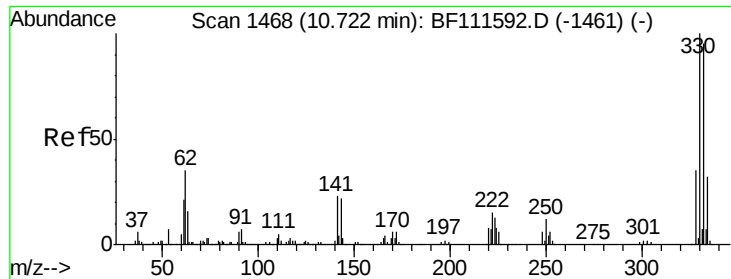
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion:164 Resp: 179308
Ion Ratio Lower Upper
164 100
162 99.2 81.4 122.0
160 46.0 35.7 53.5



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

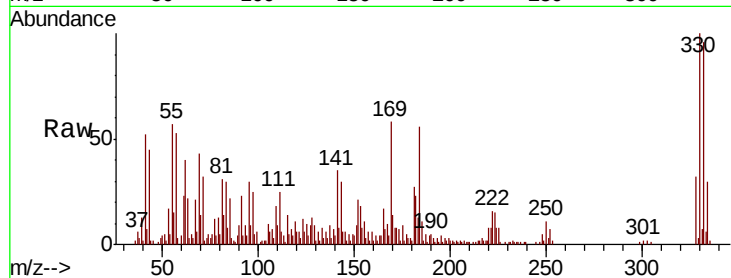




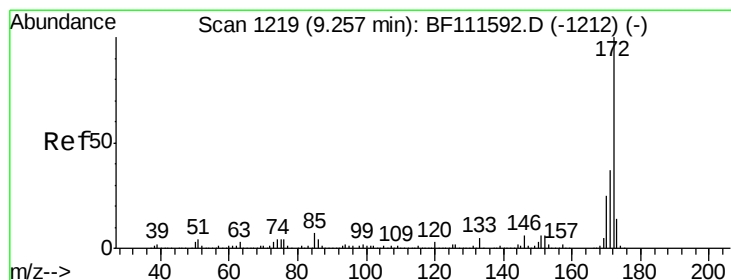
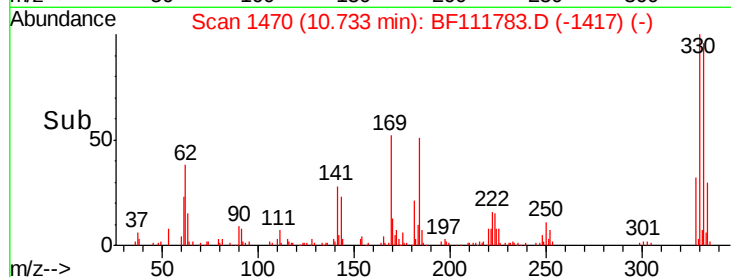
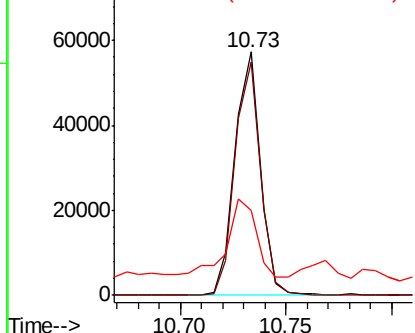
#42
 2,4,6-Tribromophenol
 Concen: 22.519 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-3036-01DL

Tgt Ion:330 Resp: 47711
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.0 114.0
 141 36.9 31.0 46.6

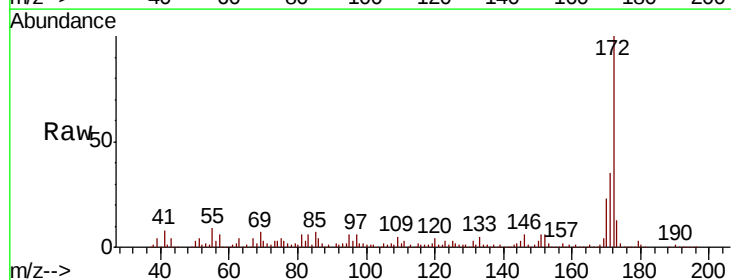


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

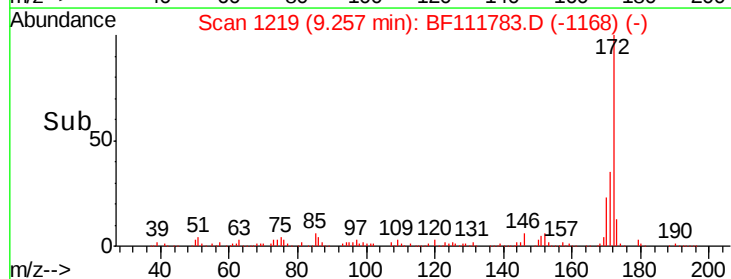
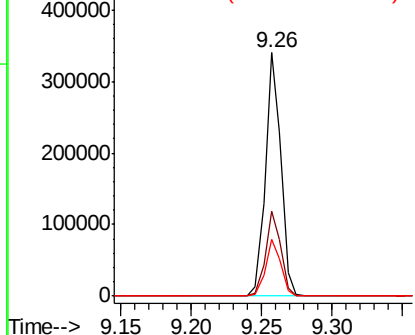


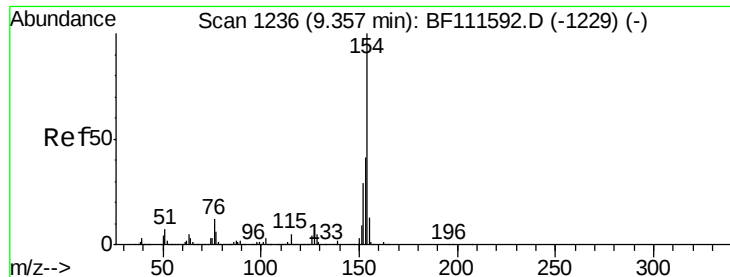
#45
 2-Fluorobiphenyl
 Concen: 21.644 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

Tgt Ion:172 Resp: 266261
 Ion Ratio Lower Upper
 172 100
 171 34.8 33.0 49.4
 170 23.5 22.3 33.5



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

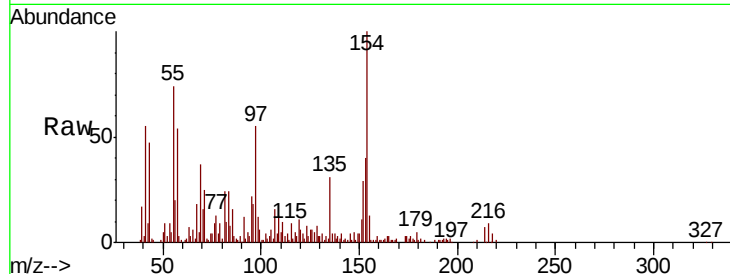




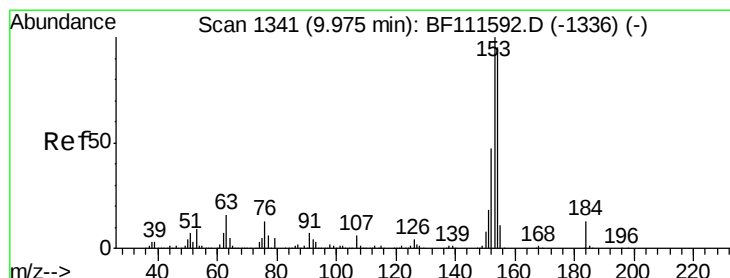
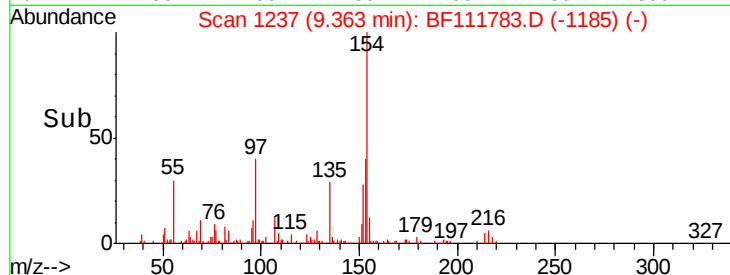
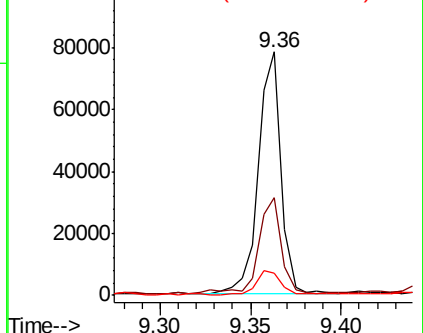
#46
 1,1'-Biphenyl
 Concen: 4.463 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-3036-01DL

Tgt Ion:154 Resp: 67547
 Ion Ratio Lower Upper
 154 100
 153 39.9 23.7 63.7
 76 9.0 0.0 35.0

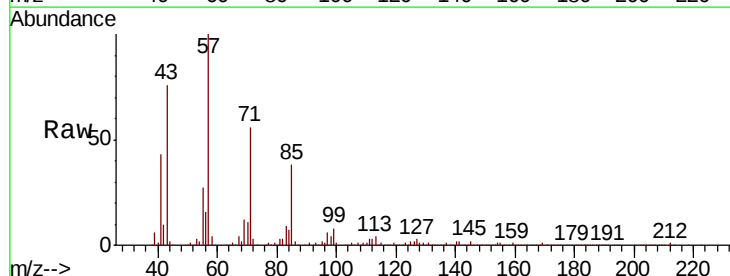


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

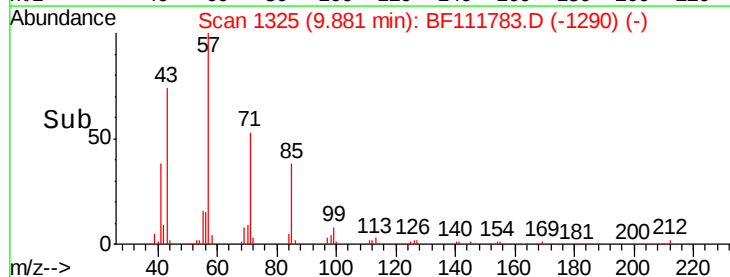
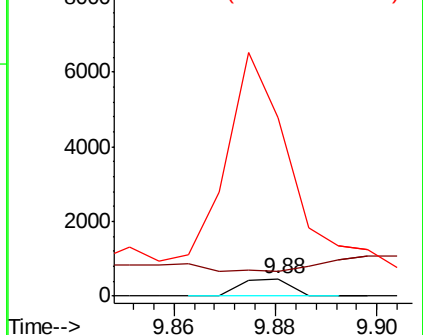


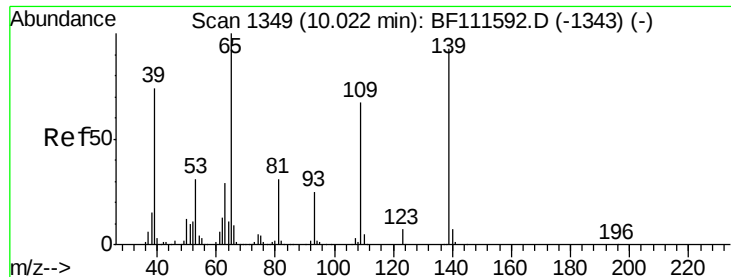
#54
 2,4-Dinitrophenol
 Concen: 7.643 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.09 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

Tgt Ion:184 Resp: 310
 Ion Ratio Lower Upper
 184 100
 63 140.7 62.3 93.5#
 154 1021.4 56.2 84.2#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

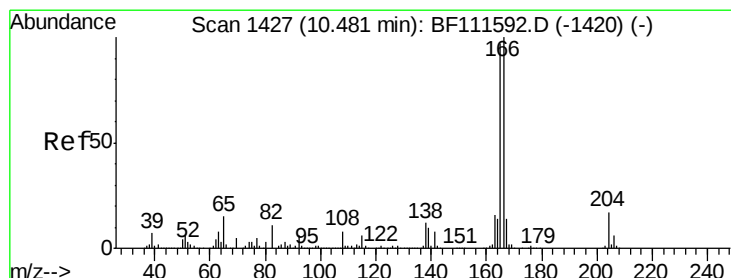
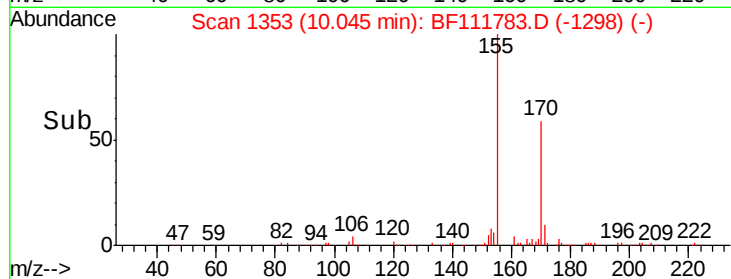
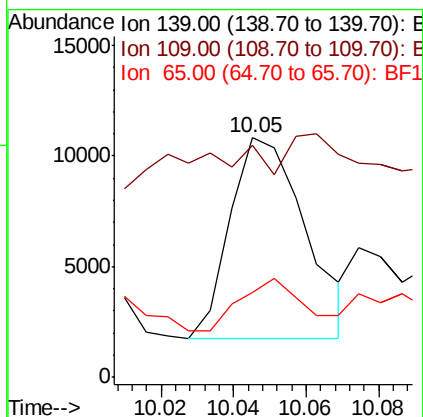
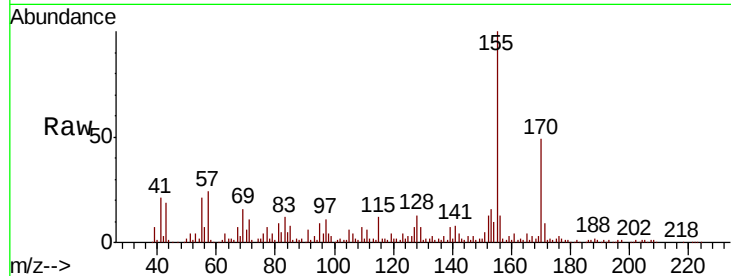




#56
4-Nitrophenol
Concen: 6.191 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.02 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

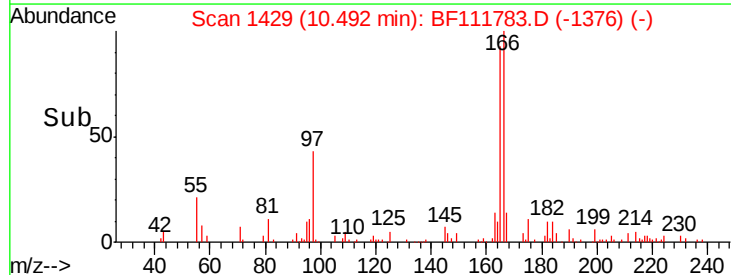
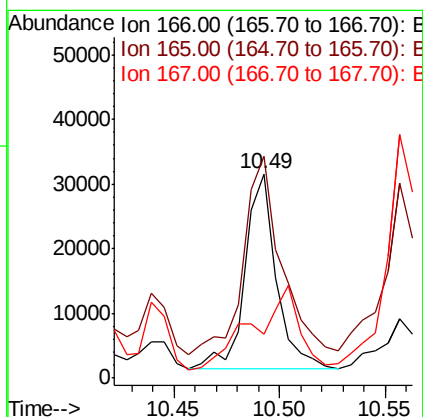
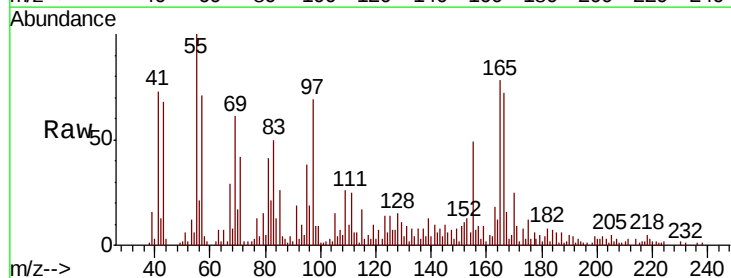
Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

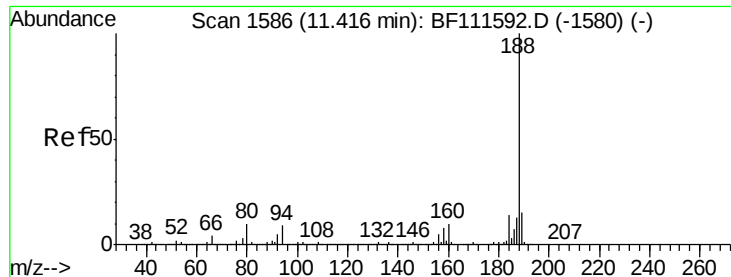
Tgt Ion:139 Resp: 13174
Ion Ratio Lower Upper
139 100
109 97.0 41.8 81.8#
65 35.3 79.6 119.6#



#58
Fluorene
Concen: 2.669 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion:166 Resp: 31376
Ion Ratio Lower Upper
166 100
165 108.4 78.4 117.6
167 21.5 11.2 16.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

ClientSampleId :

P001-SS013C-3036-01DL

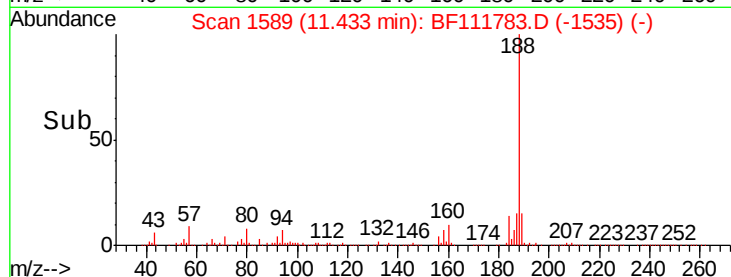
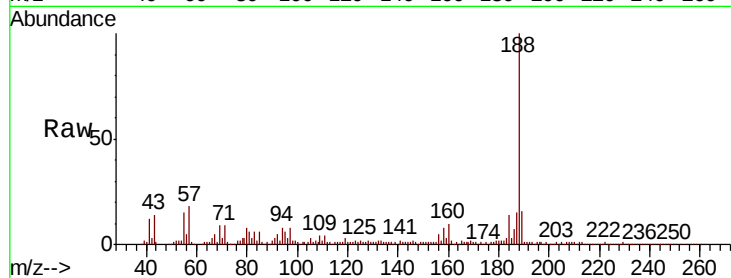
Tgt Ion:188 Resp: 304637

Ion Ratio Lower Upper

188 100

94 8.1 9.6 14.4#

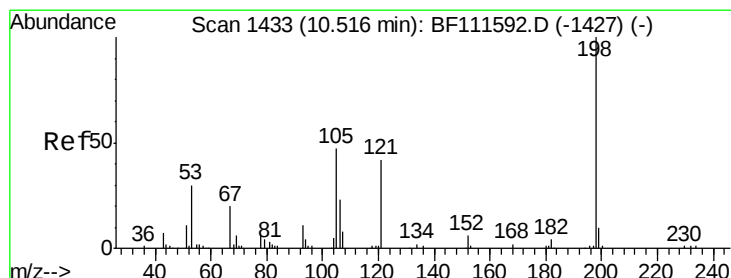
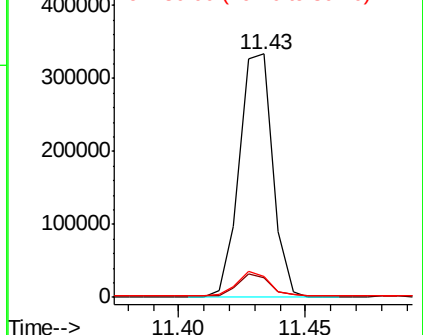
80 8.5 9.8 14.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.093 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

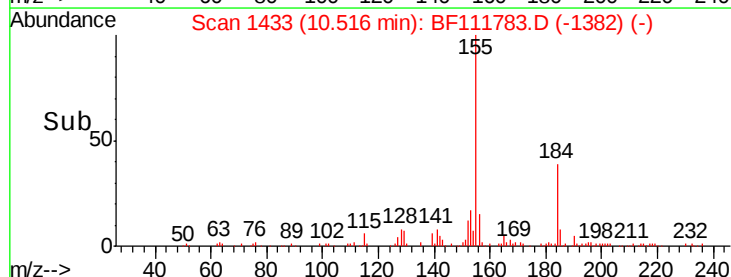
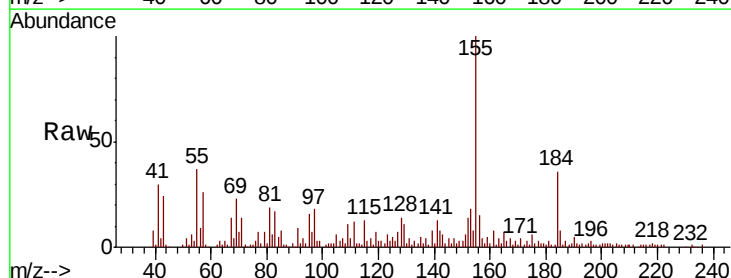
Tgt Ion:198 Resp: 585

Ion Ratio Lower Upper

198 100

51 496.5 48.0 88.0#

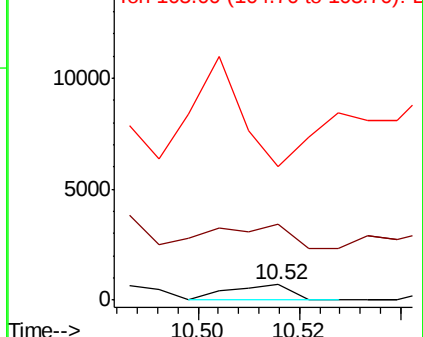
105 878.9 34.0 74.0#

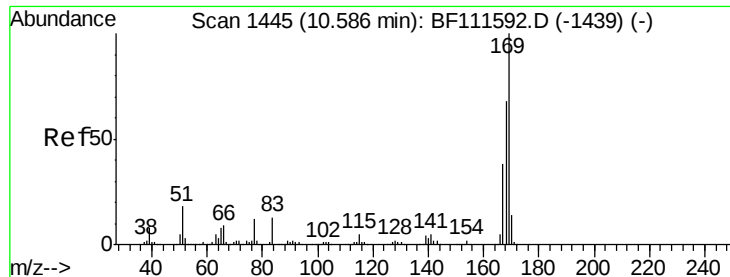


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

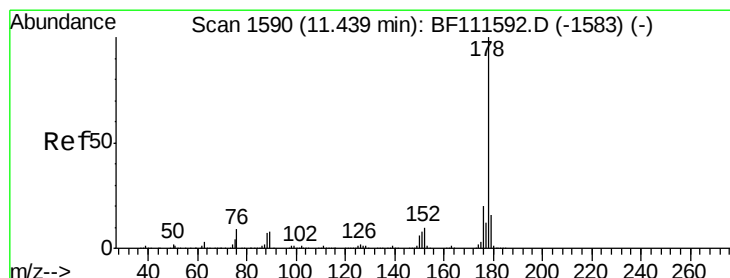
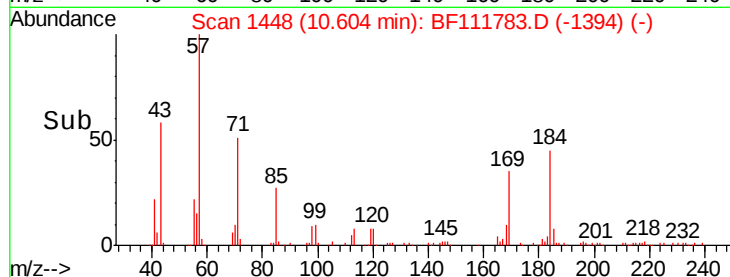
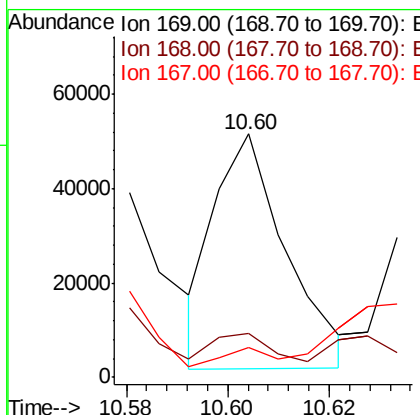
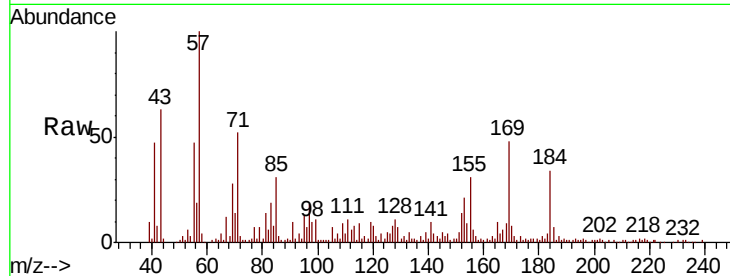




#66
 n-Nitrosodiphenylamine
 Concen: 4.774 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.02 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

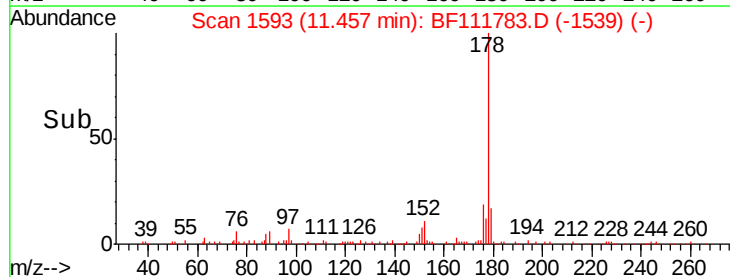
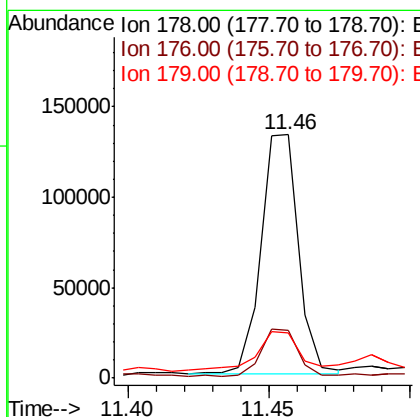
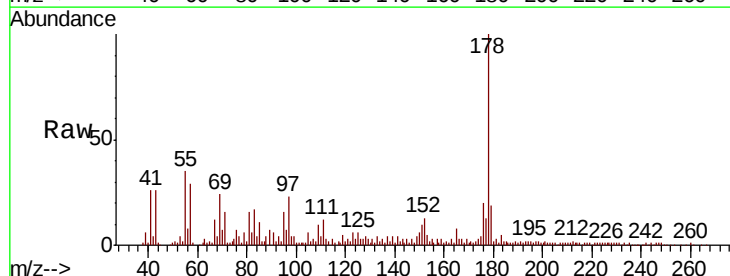
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-3036-01DL

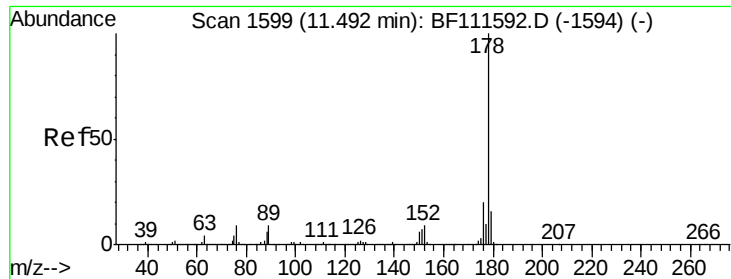
Tgt Ion:169 Resp: 48823
 Ion Ratio Lower Upper
 169 100
 168 18.0 54.4 81.6#
 167 12.0 30.5 45.7#



#71
 Phenanthrene
 Concen: 7.489 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. 0.02 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

Tgt Ion:178 Resp: 120989
 Ion Ratio Lower Upper
 178 100
 176 19.7 18.1 27.1
 179 18.7 14.0 21.0





#72

Anthracene

Concen: 7.461 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.04 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

ClientSampleId :

P001-SS013C-3036-01DL

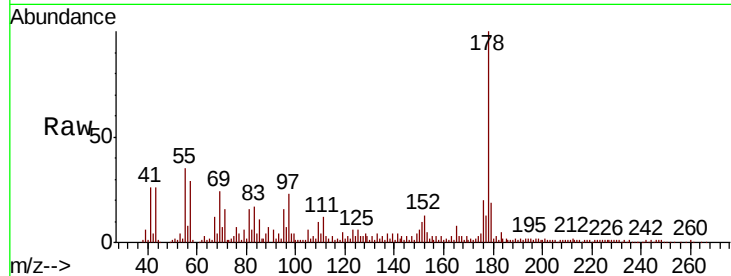
Tgt Ion:178 Resp: 120989

Ion Ratio Lower Upper

178 100

176 19.7 17.2 25.8

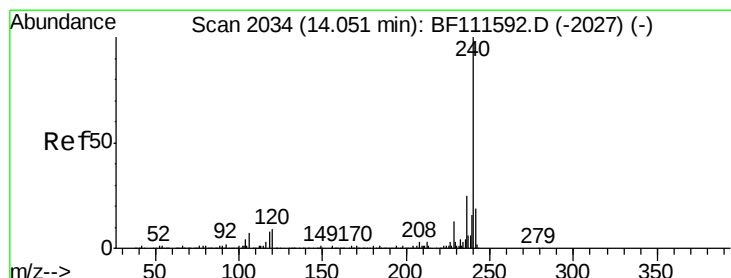
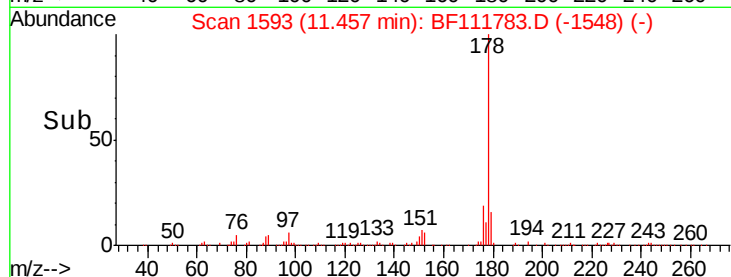
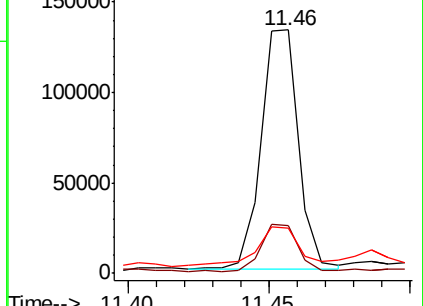
179 18.7 13.8 20.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

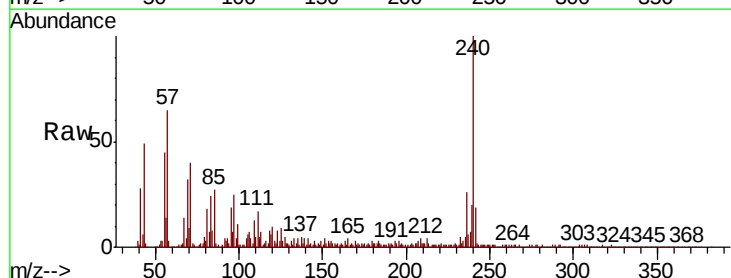
Tgt Ion:240 Resp: 253706

Ion Ratio Lower Upper

240 100

120 9.9 12.2 18.2#

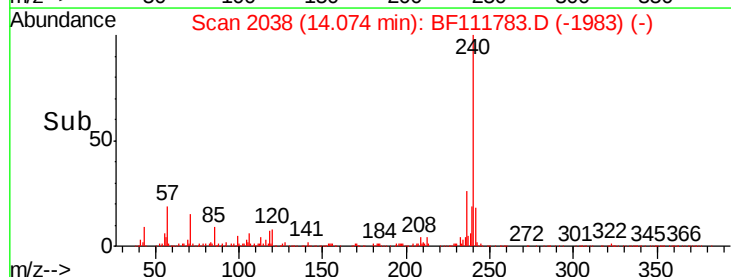
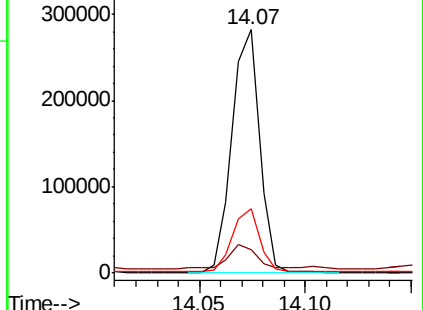
236 26.4 20.2 30.2

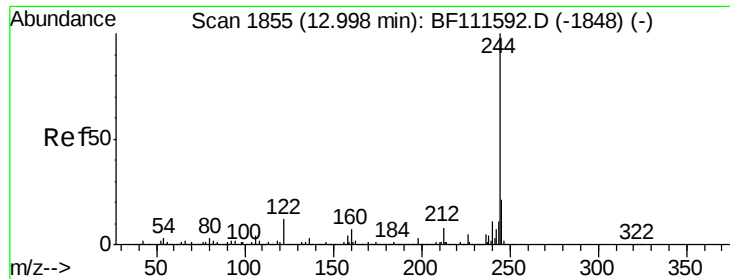


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 18.420 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

ClientSampleId :

P001-SS013C-3036-01DL

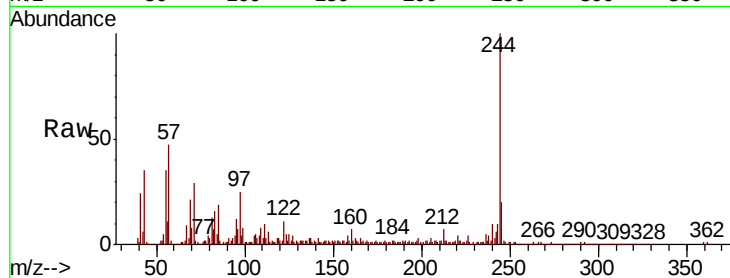
Tgt Ion:244 Resp: 246426

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

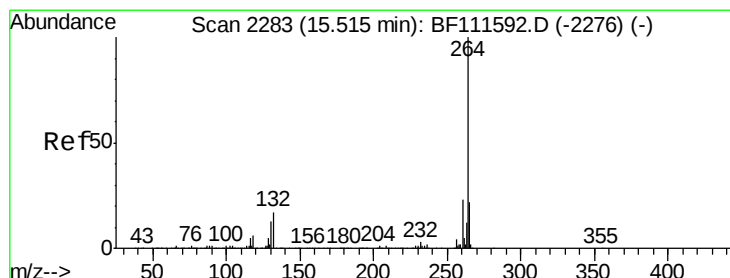
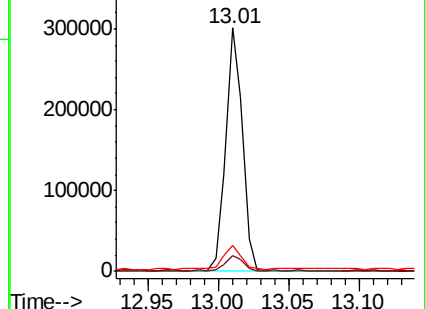
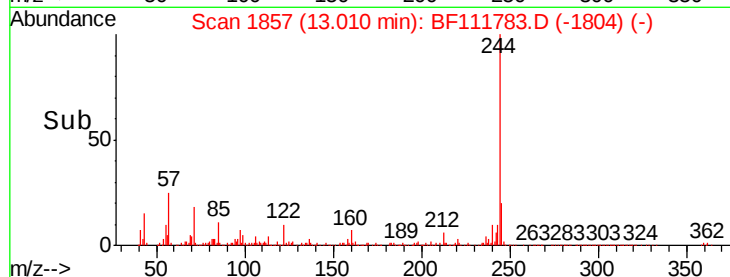
122 10.8 13.1 19.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.05 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

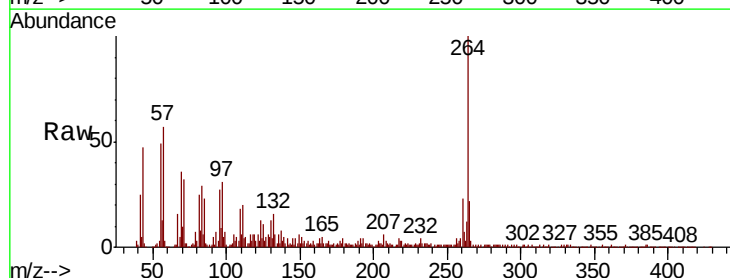
Tgt Ion:264 Resp: 196757

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 21.7 17.7 26.5



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

