

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122118\
 Data File : BF111683.D
 Acq On : 21 Dec 2018 13:16
 Operator : JU/SJ
 Sample : J6378-16
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0006-01

Quant Time: Dec 21 22:32:49 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	191387	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	742376	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	366408	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	624286	20.00	ng	0.00
76) Chrysene-d12	14.05	240	452405	20.00	ng	0.00
87) Perylene-d12	15.53	264	408662	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1272644	113.34	ng	0.00
7) Phenol-d6	6.53	99	1672992	117.08	ng	0.00
23) Nitrobenzene-d5	7.46	82	1074972	84.29	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	454154	104.90	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1662200	66.12	ng	0.00
79) Terphenyl-d14	13.00	244	1217246	51.03	ng	0.00

Target Compounds

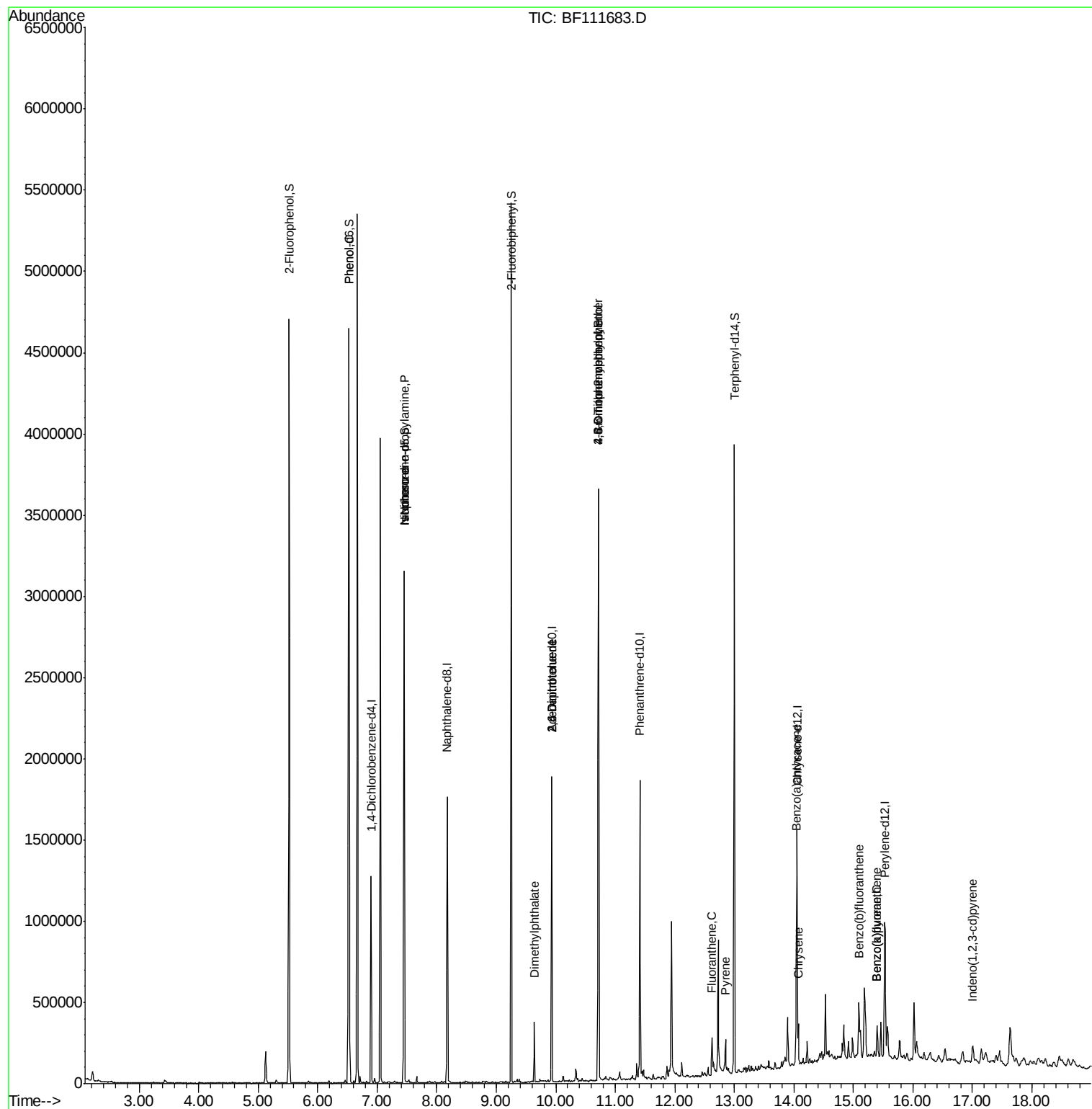
						Qvalue
10) Phenol	6.53	94	104061	6.454	ng	92
19) n-Nitroso-di-n-propylamine	7.46	70	148647	15.664	ng	# 76
25) Isophorone	7.46	82	1074959	47.477	ng	# 64
50) Dimethylphthalate	9.64	163	117604	4.389	ng	98
51) 2,6-Dinitrotoluene	9.93	165	47596	8.908	ng	# 29
57) 2,4-Dinitrotoluene	9.93	165	47596	7.412	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	839	6.973	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	27909	3.604	ng	# 1
75) Fluoranthene	12.62	202	89272	2.663	ng	96
78) Pyrene	12.85	202	77690	2.432	ng	96
81) Benzo(a)anthracene	14.04	228	86430	3.348	ng	99
83) Chrysene	14.07	228	98573	3.885	ng	95
86) Indeno(1,2,3-cd)pyrene	17.00	276	77509	3.593	ng	# 88
88) Benzo(b)fluoranthene	15.09	252	243902	10.212	ng	# 96
89) Benzo(k)fluoranthene	15.40	252	84847	3.731	ng	98
90) Benzo(a)pyrene	15.40	252	89313	4.116	ng	98

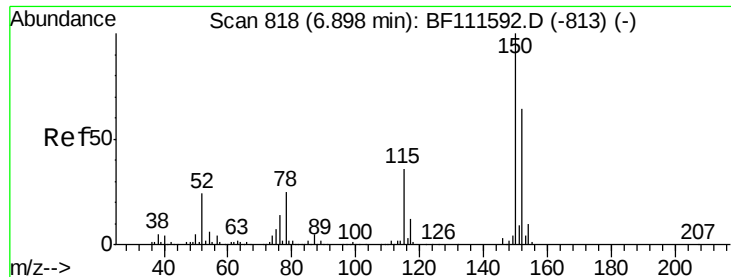
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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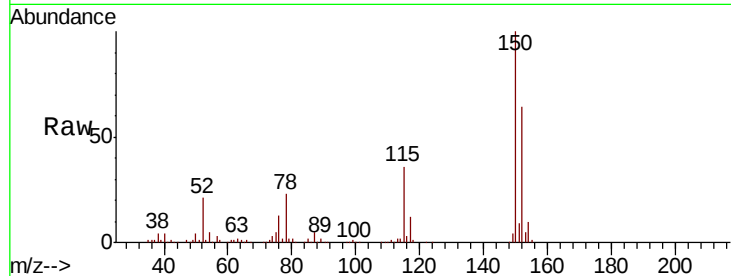


#1

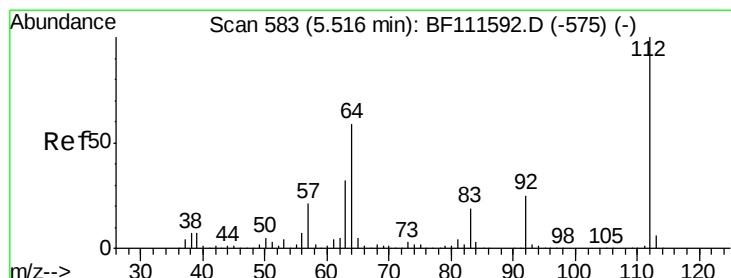
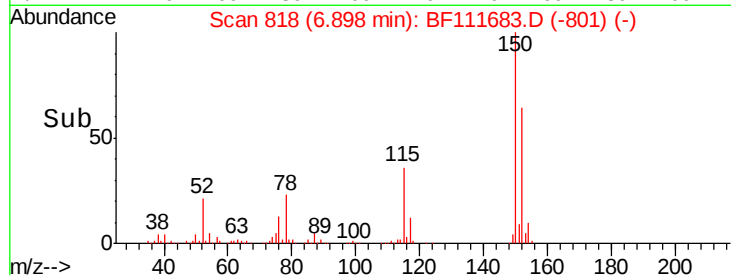
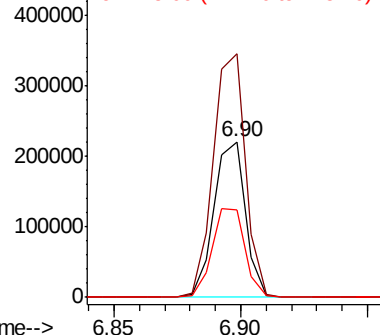
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0006-01

Tgt Ion:152 Resp: 191387
Ion Ratio Lower Upper
152 100
150 156.5 126.6 189.8
115 55.9 50.7 76.1



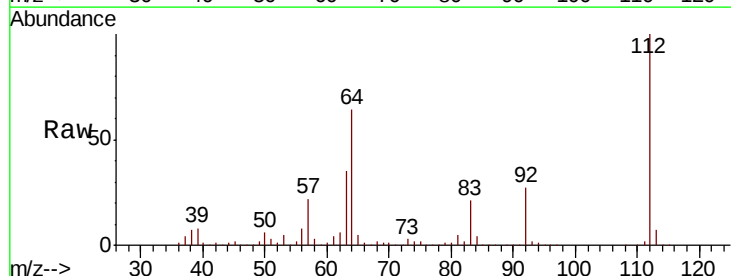
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



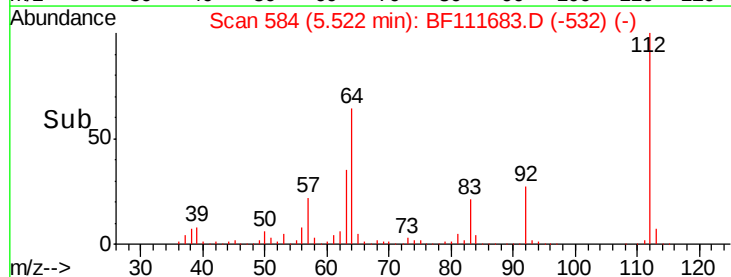
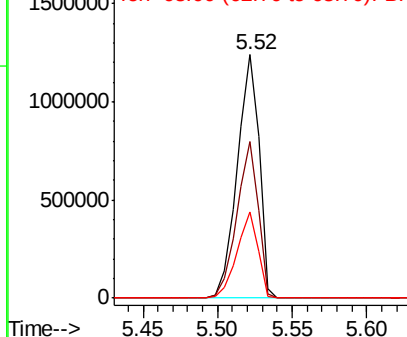
#5

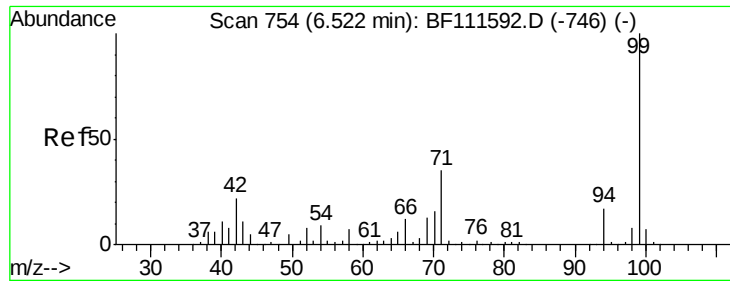
2-Fluorophenol
Concen: 113.344 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Tgt Ion:112 Resp: 1272644
Ion Ratio Lower Upper
112 100
64 64.2 51.8 77.6
63 35.3 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: 117.079 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0006-01

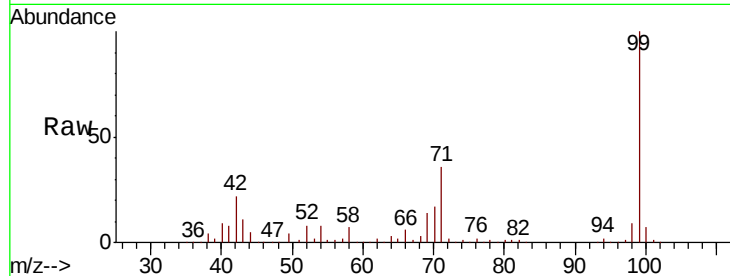
Tgt Ion: 99 Resp: 1672992

Ion Ratio Lower Upper

99 100

42 21.9 17.4 26.0

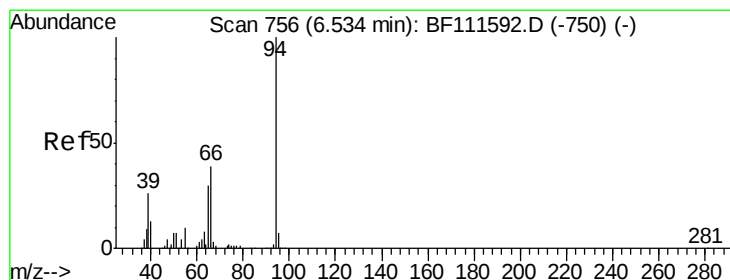
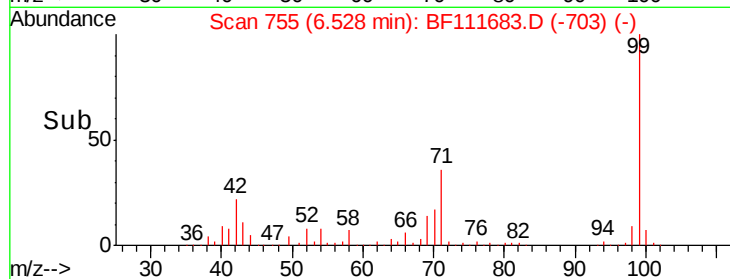
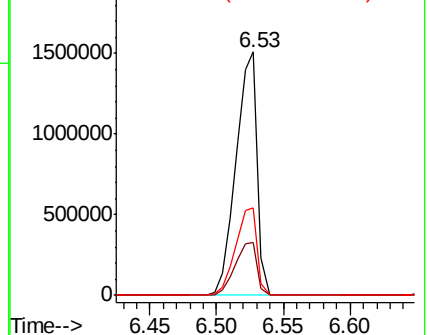
71 35.9 26.1 39.1



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



#10

Phenol

Concen: 6.454 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

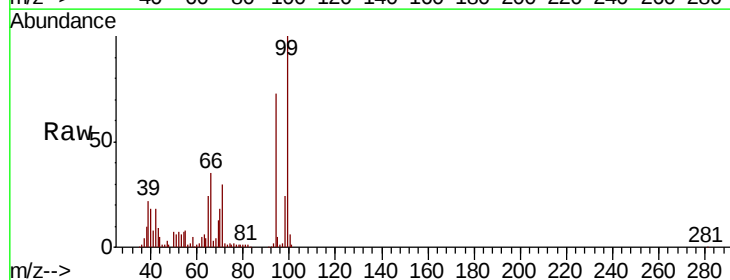
Tgt Ion: 94 Resp: 104061

Ion Ratio Lower Upper

94 100

65 33.5 11.7 51.7

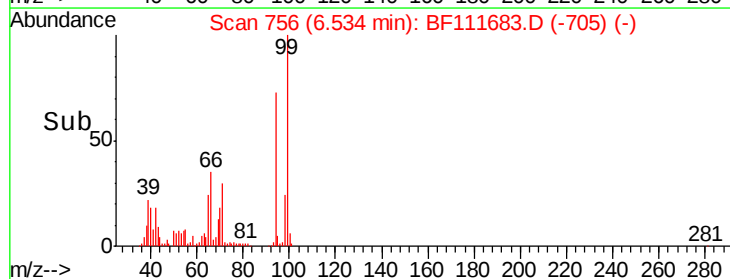
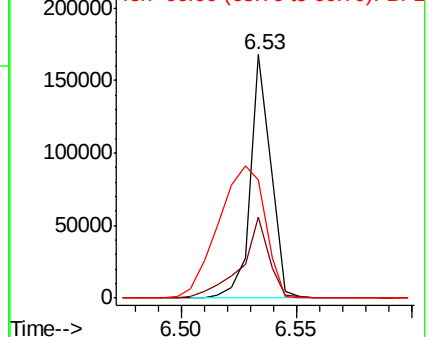
66 48.3 21.0 61.0

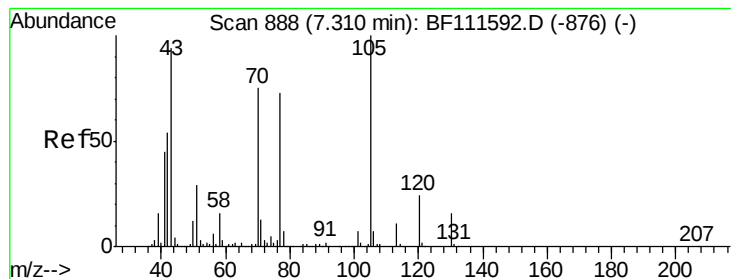


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 15.664 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0006-01

Tgt Ion: 70 Resp: 148647

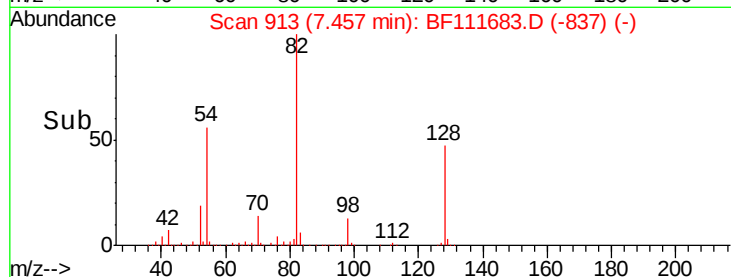
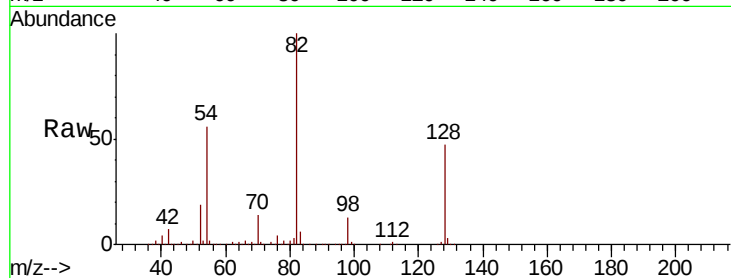
Ion Ratio Lower Upper

70 100

42 52.7 53.2 79.8#

101 0.0 8.2 12.4#

130 2.1 18.1 27.1#

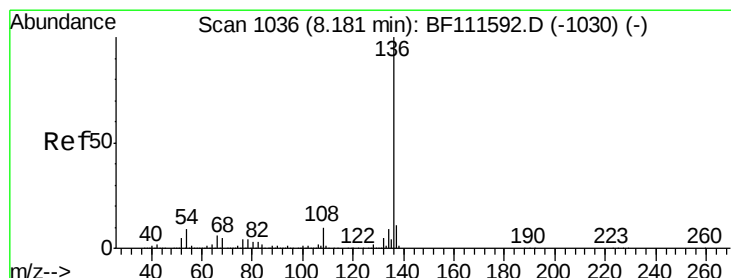
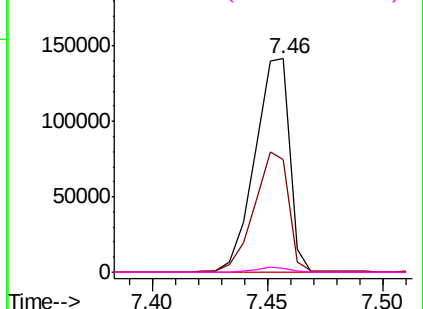


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

Tgt Ion: 136 Resp: 742376

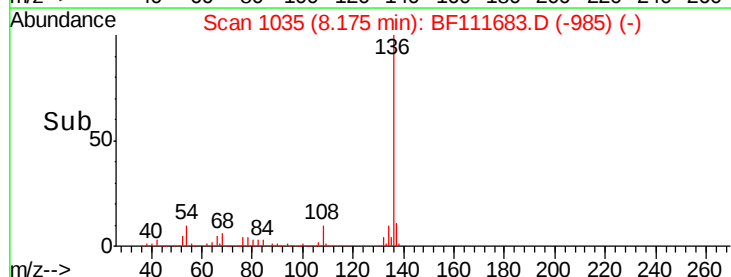
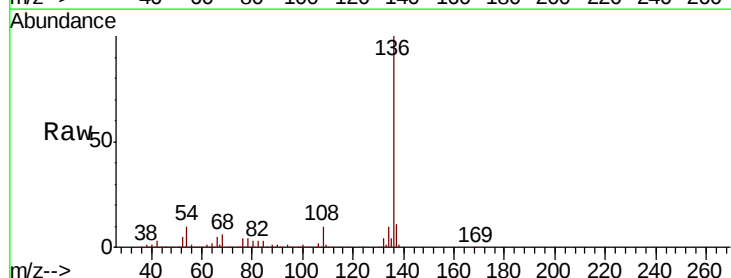
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.6 7.7 11.5

68 5.6 4.9 7.3

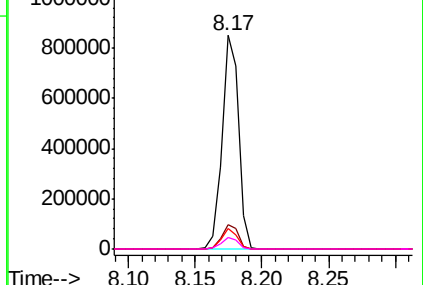


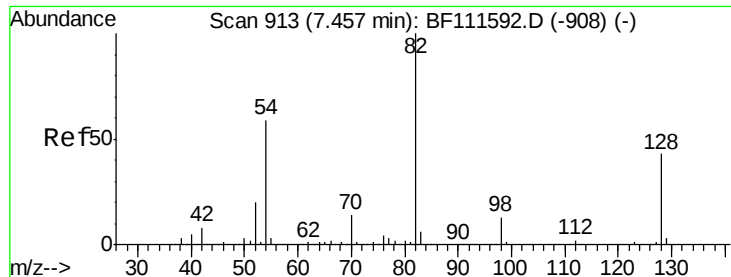
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

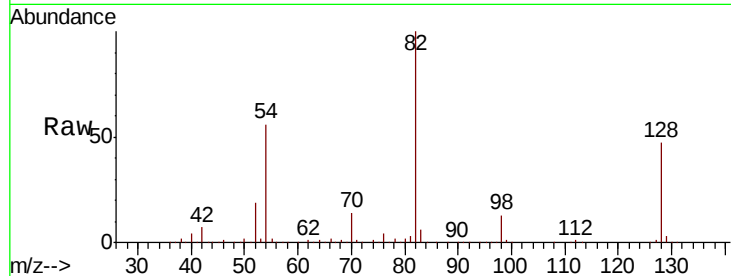




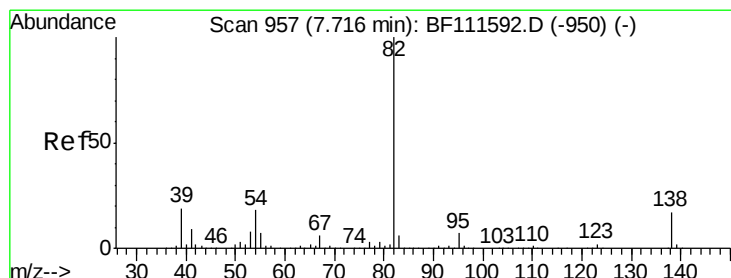
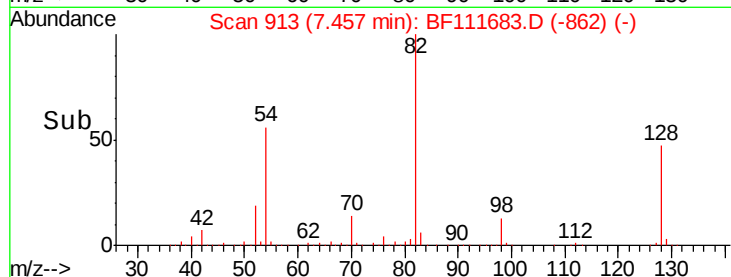
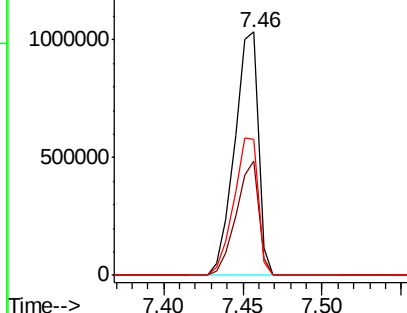
#23
Nitrobenzene-d5
Concen: 84.286 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0006-01

Tgt Ion: 82 Resp: 1074972
Ion Ratio Lower Upper
82 100
128 47.0 37.4 56.2
54 55.8 47.6 71.4

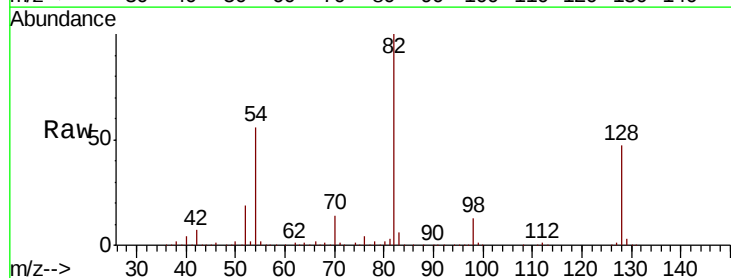


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

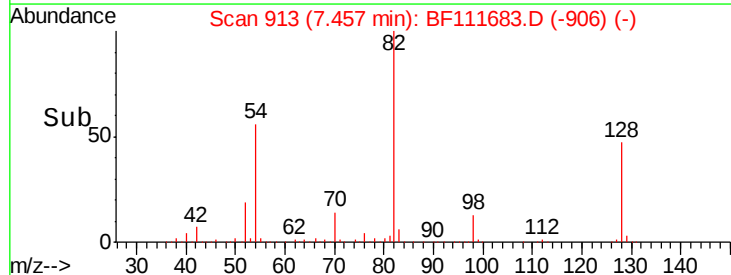
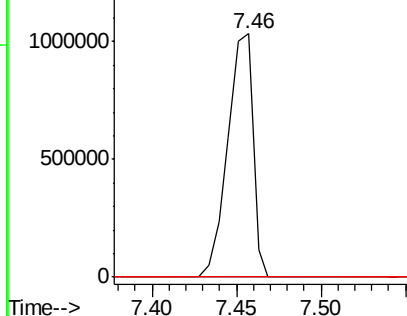


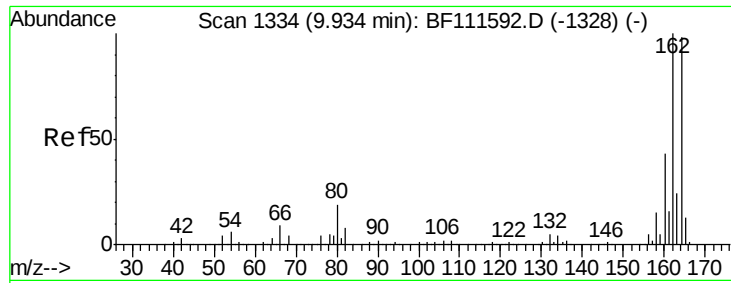
#25
Isophorone
Concen: 47.477 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Tgt Ion: 82 Resp: 1074959
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

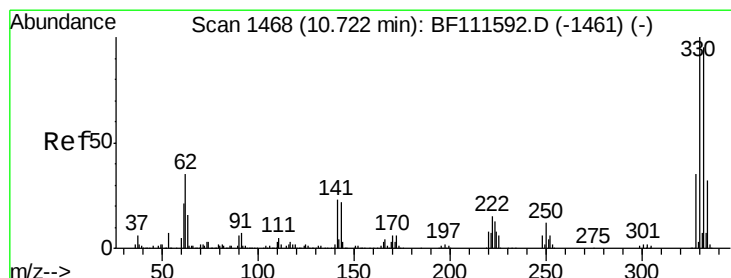
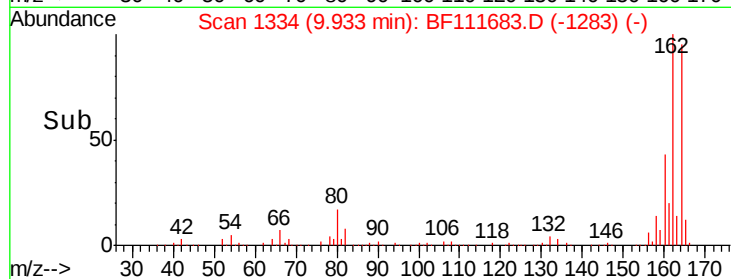
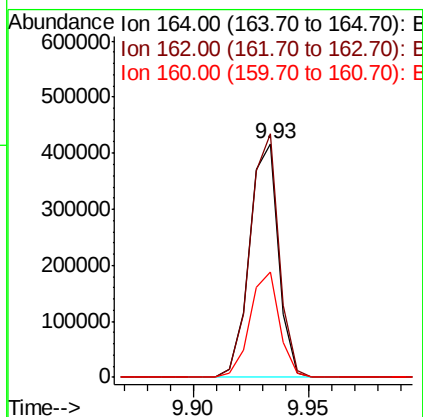
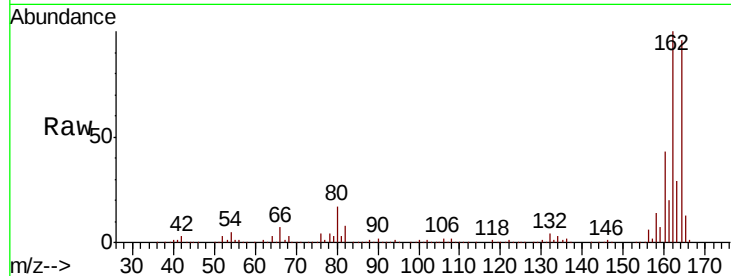




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF111683.D
 Acq: 21 Dec 2018 13:16

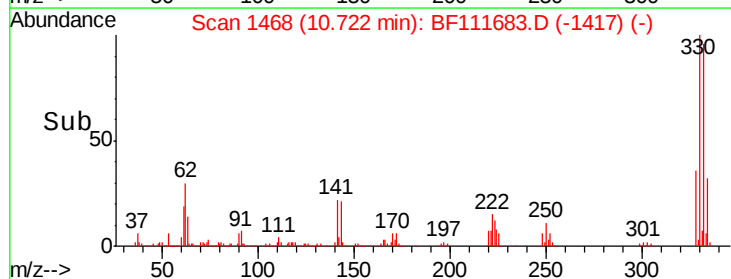
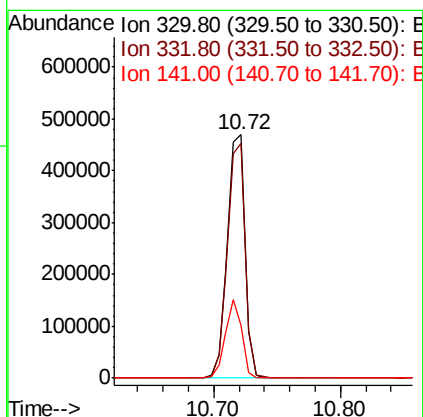
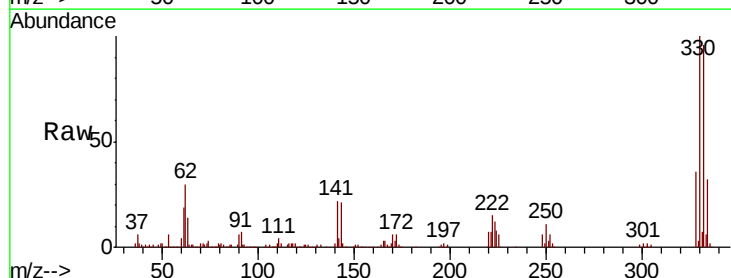
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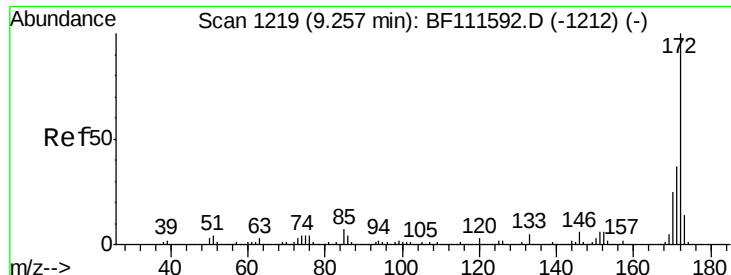
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.4	122.0
160	44.9	35.7	53.5



#42
 2,4,6-Tribromophenol
 Concen: 104.900 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111683.D
 Acq: 21 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.0	114.0
141	29.9	31.0	46.6#

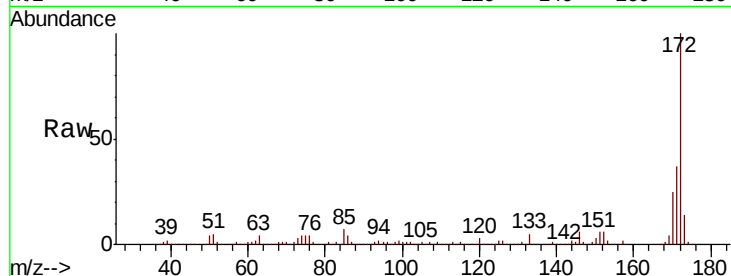




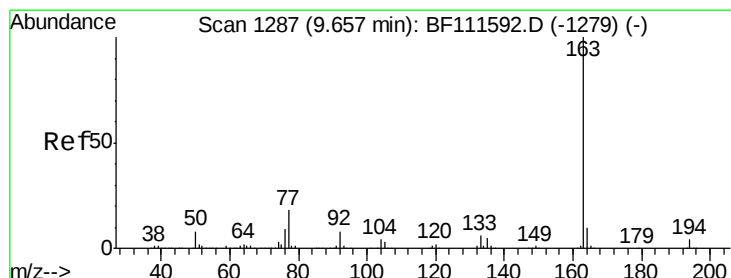
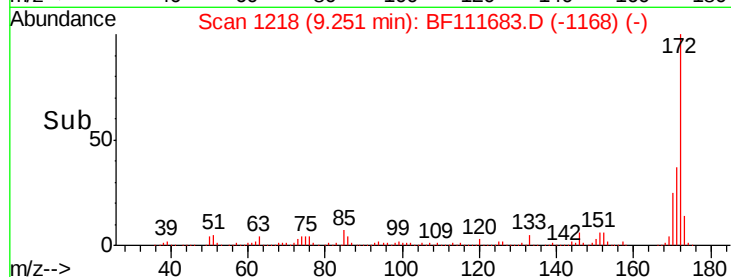
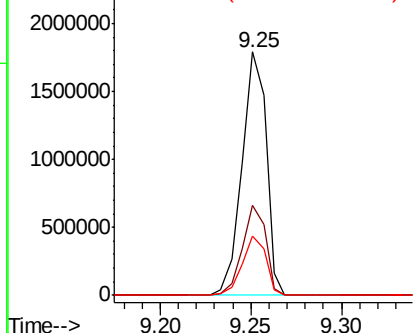
#45
2-Fluorobiphenyl
Concen: 66.123 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0006-01

Tgt Ion:172 Resp: 1662200
Ion Ratio Lower Upper
172 100
171 37.1 33.0 49.4
170 24.6 22.3 33.5

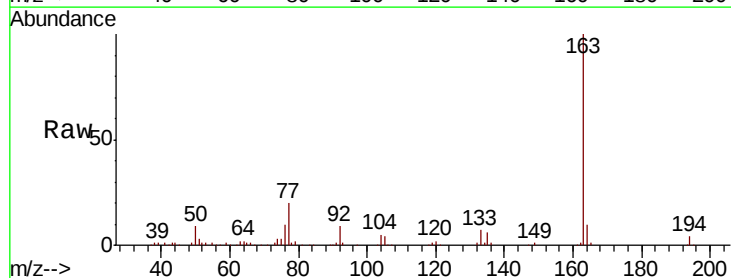


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

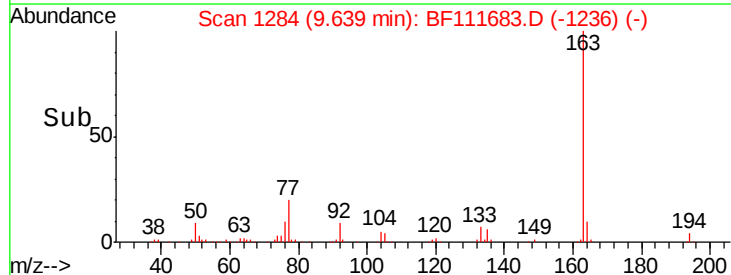
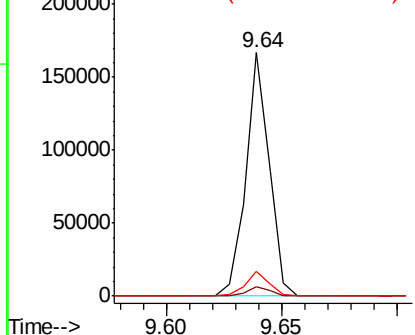


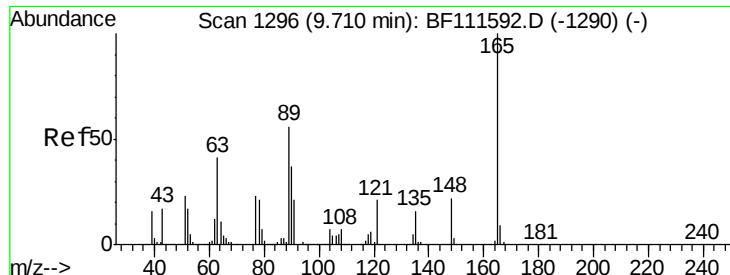
#50
Dimethylphthalate
Concen: 4.389 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Tgt Ion:163 Resp: 117604
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.2 8.9 13.3



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

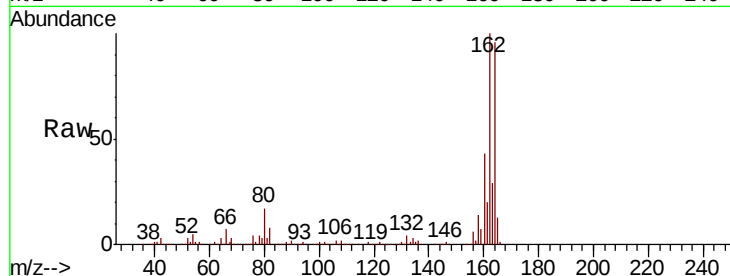




#51
 2,6-Dinitrotoluene
 Concen: 8.908 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF111683.D
 Acq: 21 Dec 2018 13:16

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0006-01

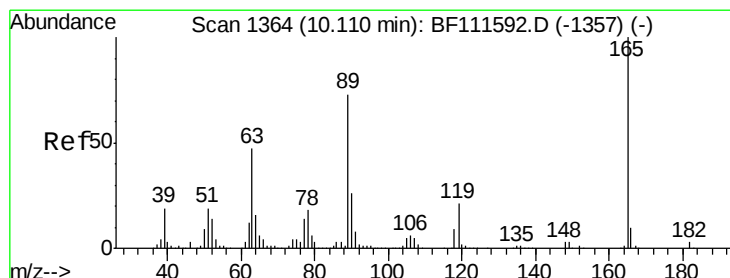
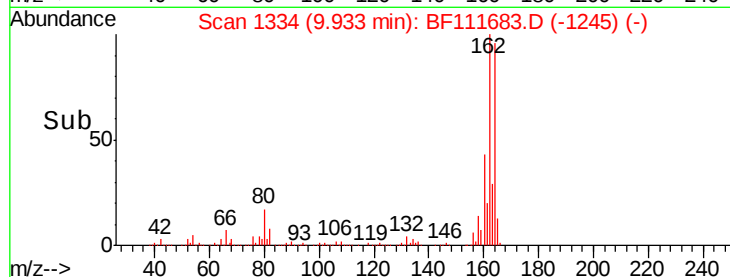
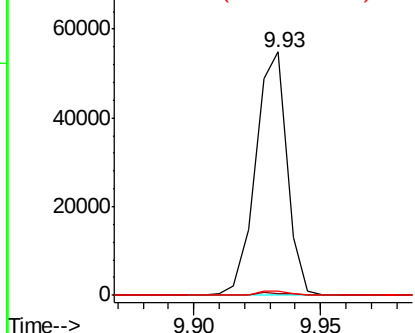
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	40.5	60.7#
89	1.7	40.0	60.0#



Abundance Ion 165.00 (164.70 to 165.70): E

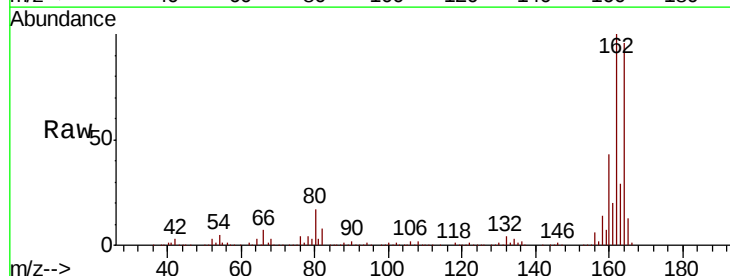
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 7.412 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF111683.D
 Acq: 21 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	34.6	52.0#
89	1.7	56.2	84.4#
182	0.0	1.8	2.6#

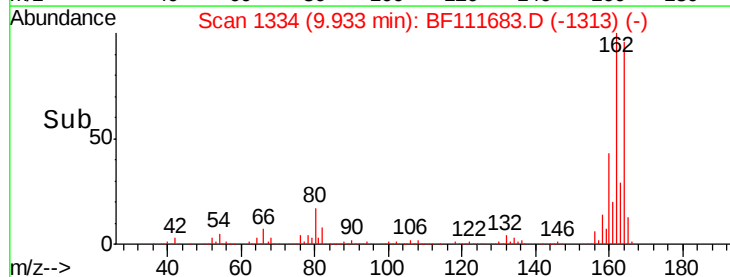
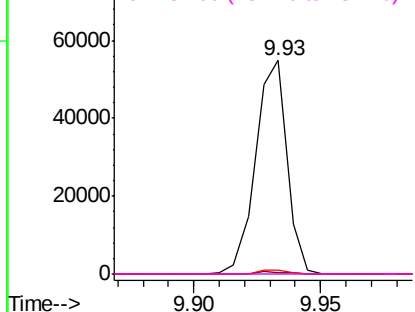


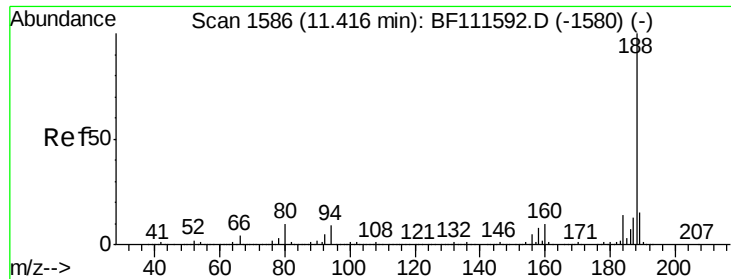
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

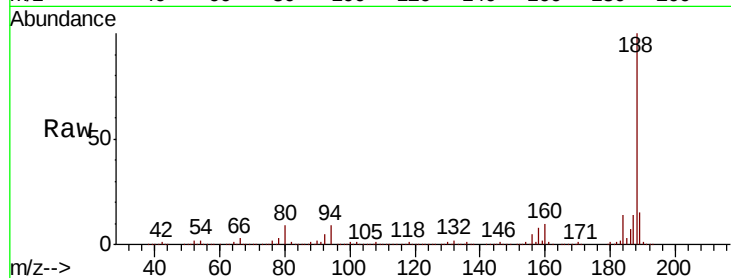




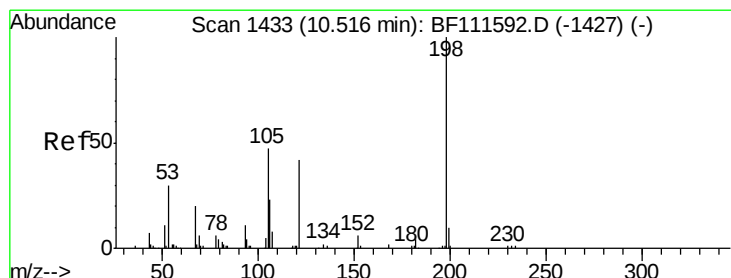
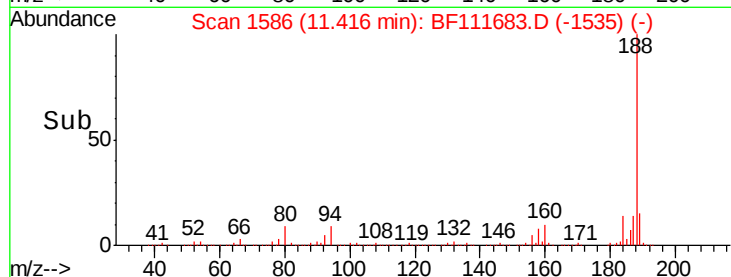
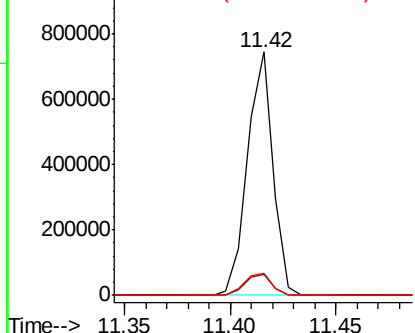
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0006-01

Tgt Ion:188 Resp: 624286
Ion Ratio Lower Upper
188 100
94 8.7 9.6 14.4#
80 9.3 9.8 14.6#

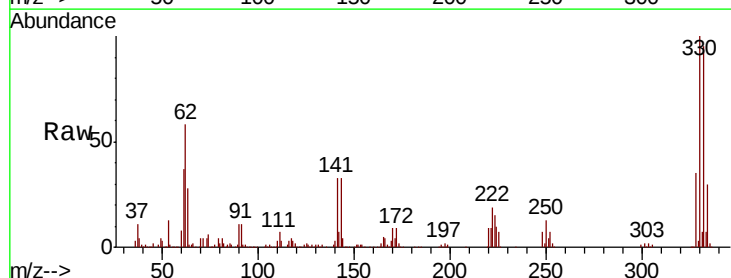


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

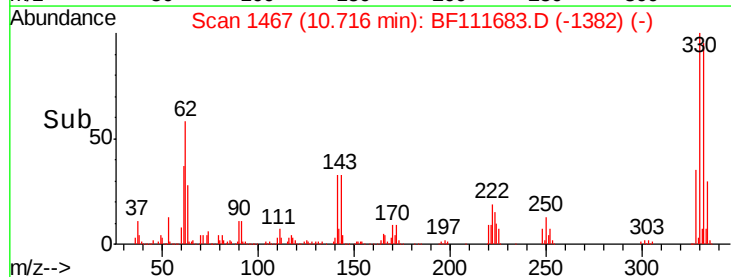
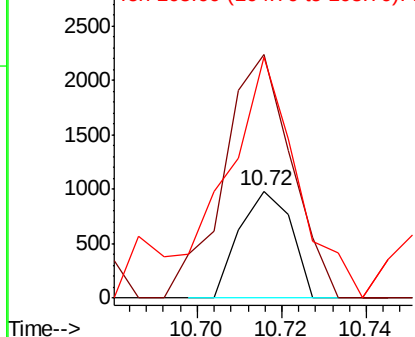


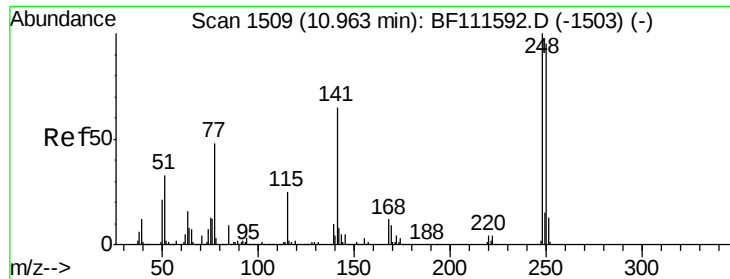
#65
4,6-Dinitro-2-methylphenol
Concen: 6.973 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.20 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Tgt Ion:198 Resp: 839
Ion Ratio Lower Upper
198 100
51 227.3 48.0 88.0#
105 224.6 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

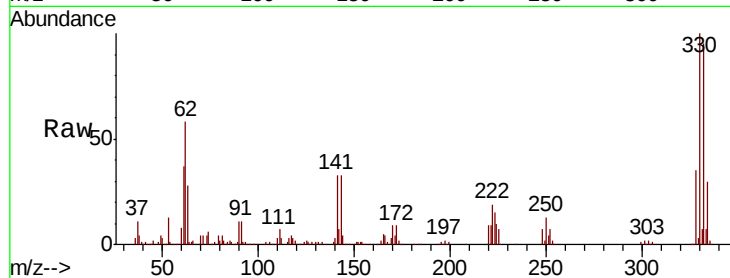




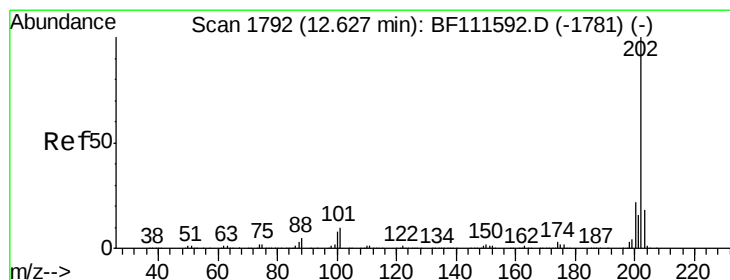
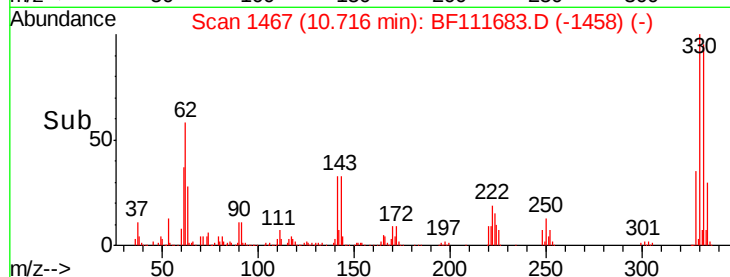
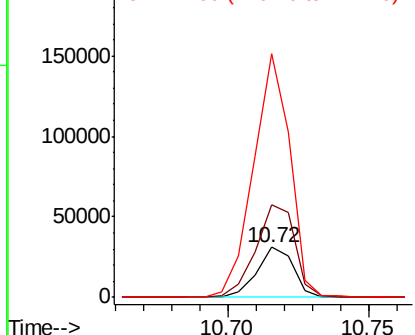
#67
4-Bromophenyl-phenylether
Concen: 3.604 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0006-01

Tgt Ion:248 Resp: 27909
Ion Ratio Lower Upper
248 100
250 184.4 77.0 115.4#
141 485.3 63.0 94.6#

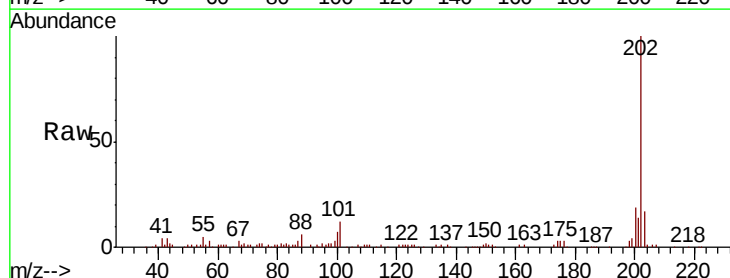


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

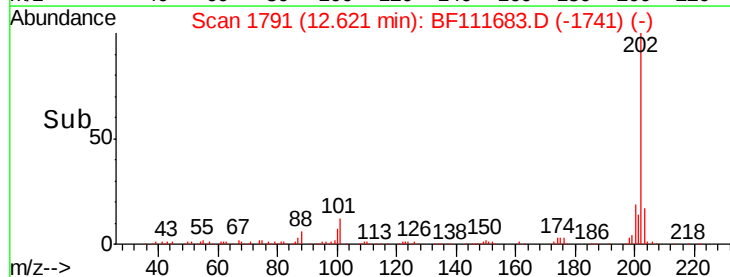
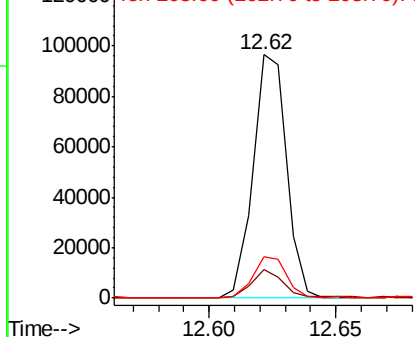


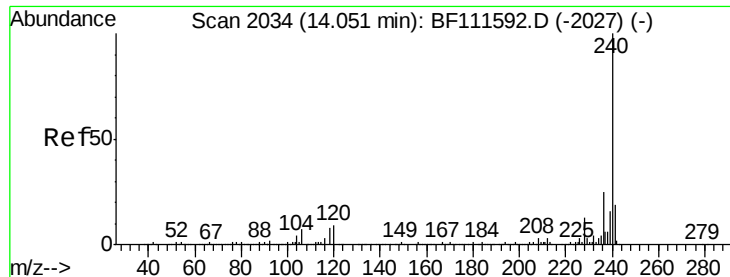
#75
Fluoranthene
Concen: 2.663 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Tgt Ion:202 Resp: 89272
Ion Ratio Lower Upper
202 100
101 11.7 0.0 33.8
203 16.8 0.0 38.6



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0006-01

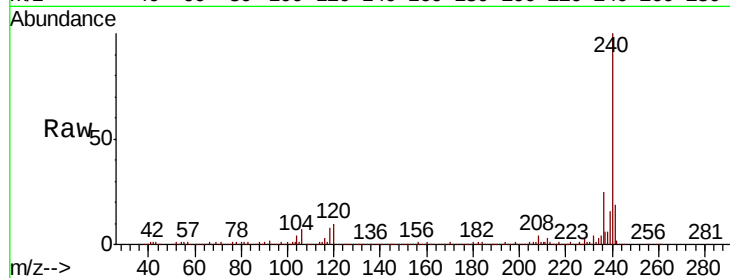
Tgt Ion:240 Resp: 452405

Ion Ratio Lower Upper

240 100

120 9.7 12.2 18.2#

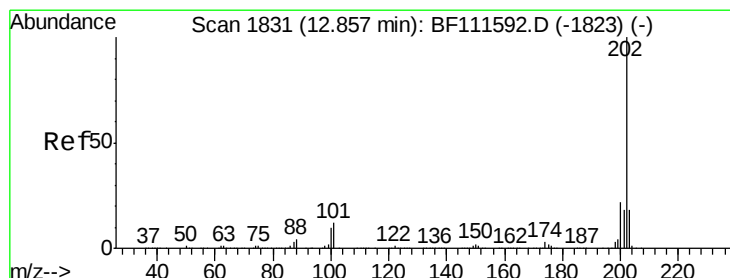
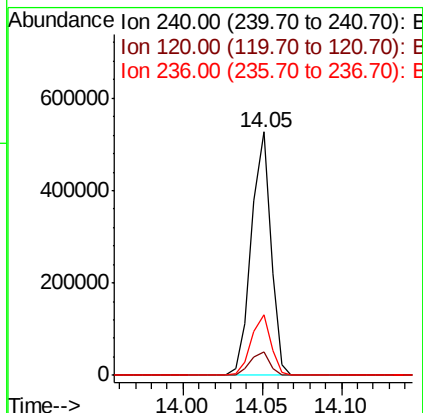
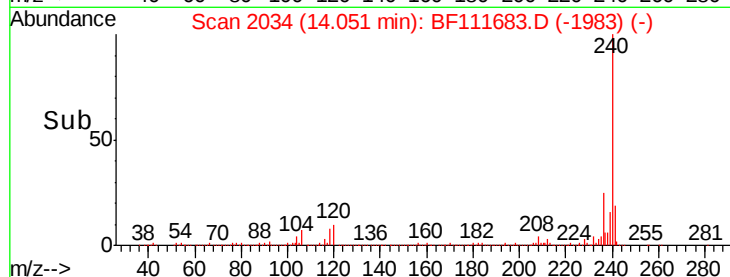
236 25.1 20.2 30.2



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



#78

Pyrene

Concen: 2.432 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

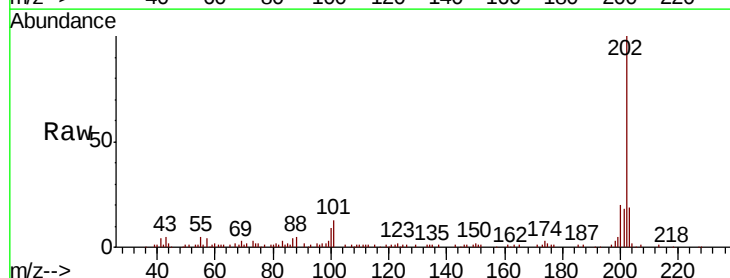
Tgt Ion:202 Resp: 77690

Ion Ratio Lower Upper

202 100

200 20.3 19.0 28.4

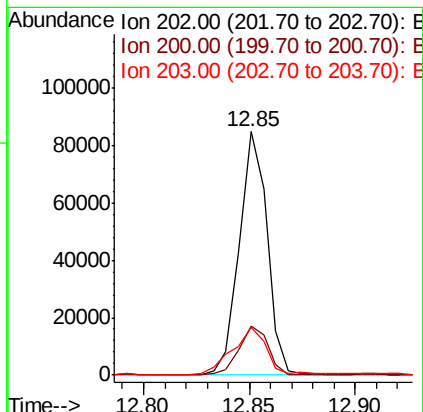
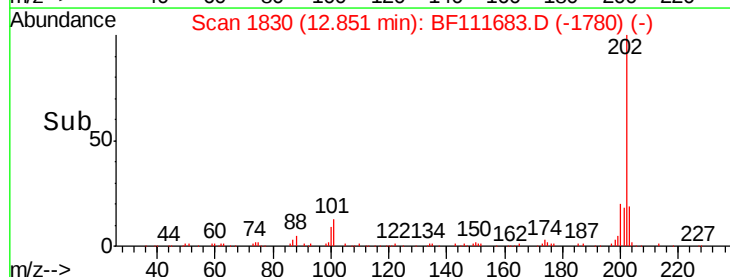
203 19.5 15.2 22.8

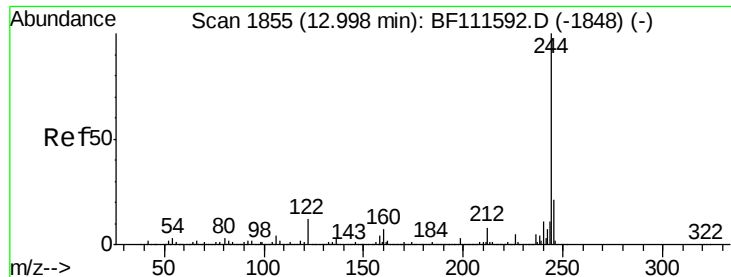


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 51.025 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0006-01

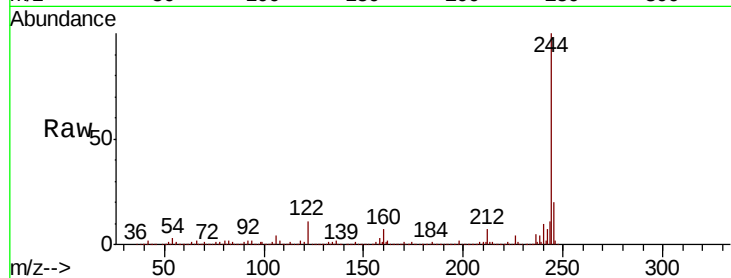
Tgt Ion:244 Resp: 1217246

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

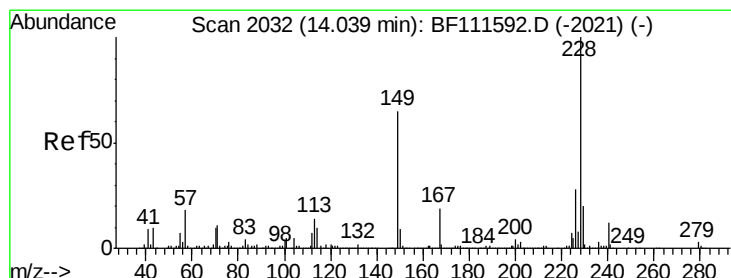
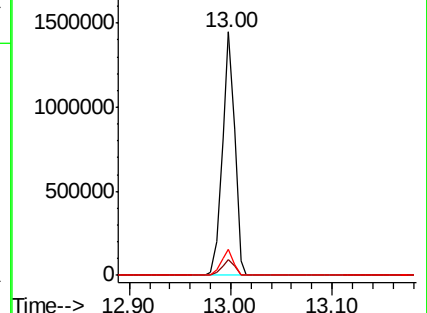
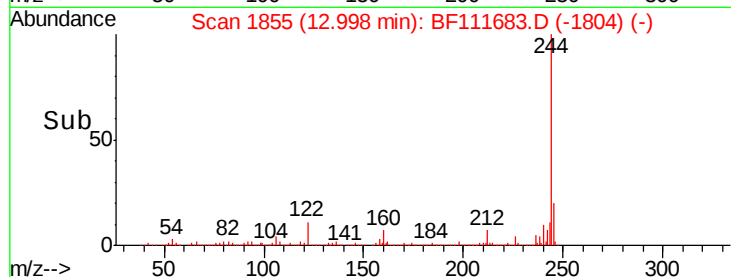
122 10.7 13.1 19.7#



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



#81

Benzo(a)anthracene

Concen: 3.348 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

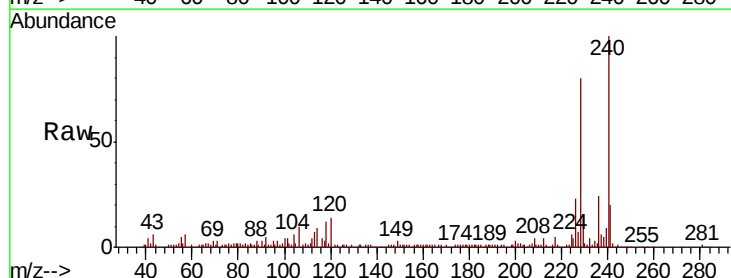
Tgt Ion:228 Resp: 86430

Ion Ratio Lower Upper

228 100

226 28.2 22.6 34.0

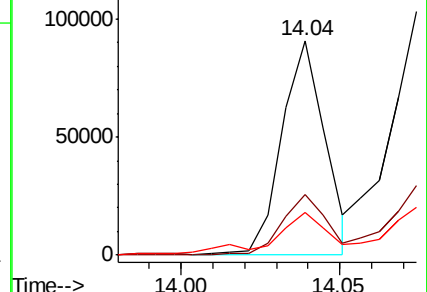
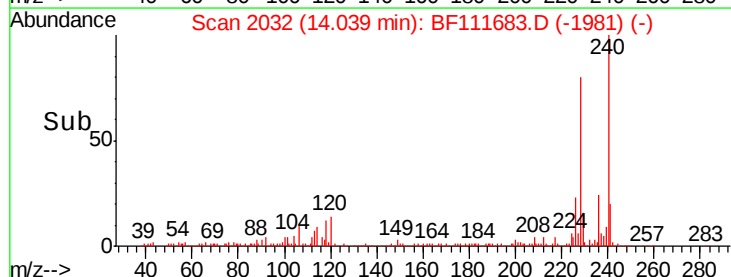
229 19.8 16.3 24.5

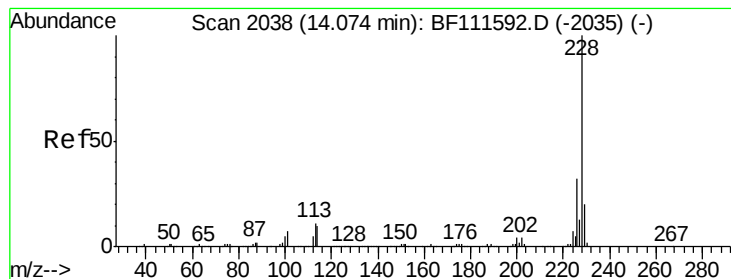


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.885 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0006-01

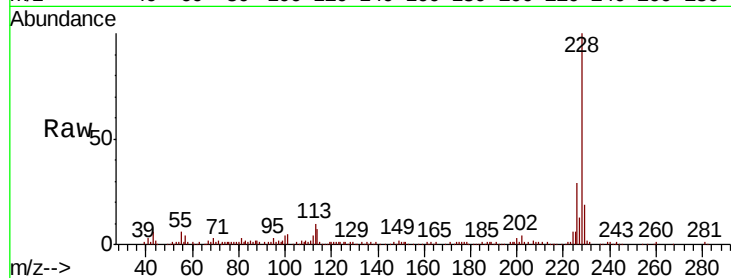
Tgt Ion:228 Resp: 98573

Ion Ratio Lower Upper

228 100

226 28.6 25.3 37.9

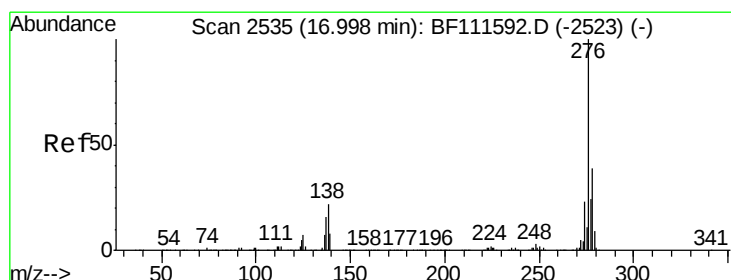
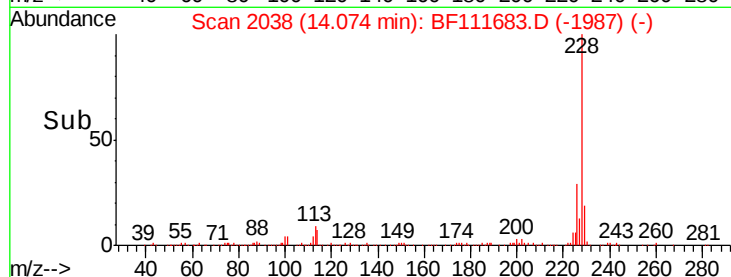
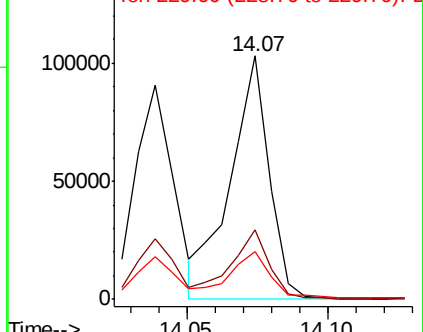
229 19.4 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.593 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF111683.D

Acq: 21 Dec 2018 13:16

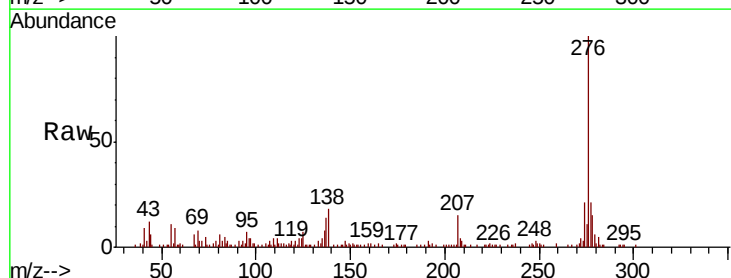
Tgt Ion:276 Resp: 77509

Ion Ratio Lower Upper

276 100

138 23.0 27.8 41.6#

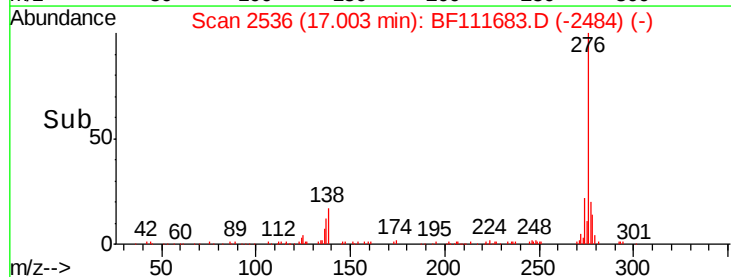
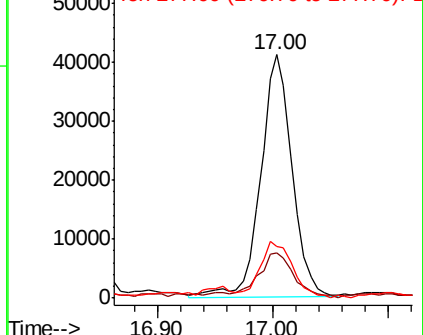
277 24.7 20.1 30.1

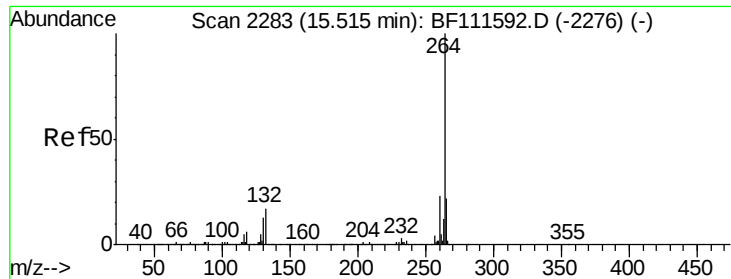


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

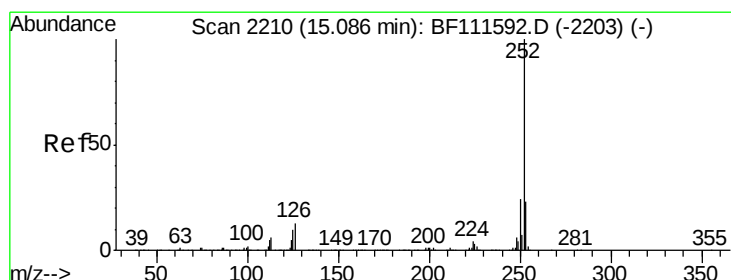
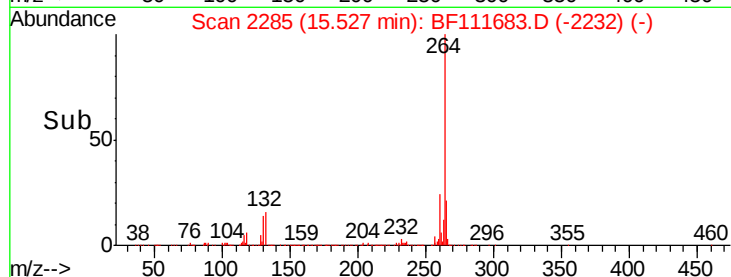
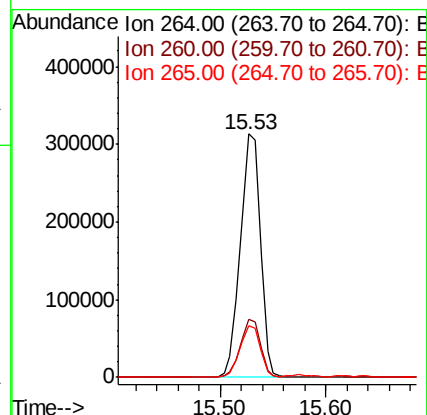
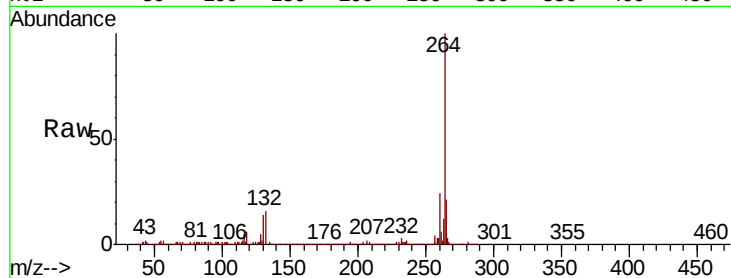




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

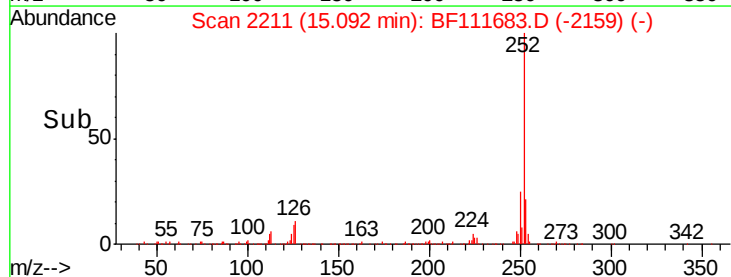
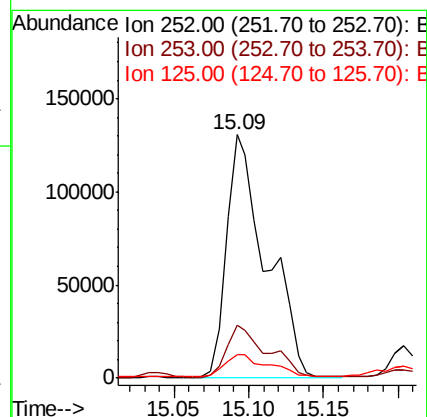
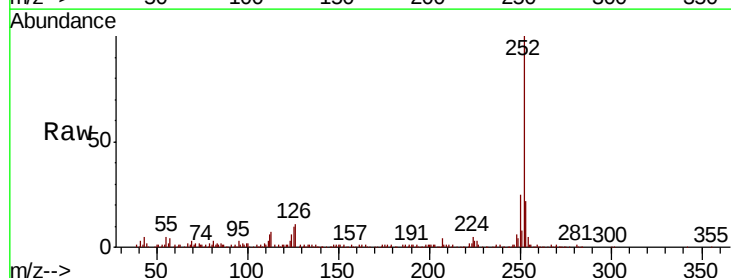
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0006-01

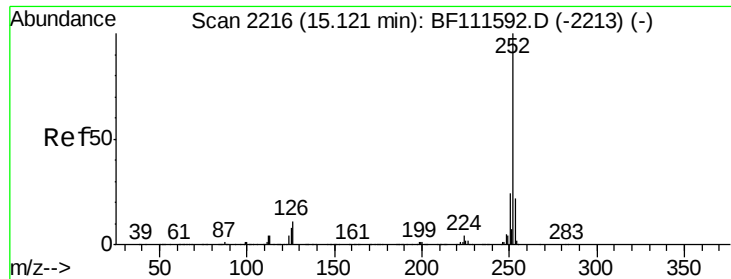
Tgt Ion:264 Resp: 408662
Ion Ratio Lower Upper
264 100
260 24.1 18.3 27.5
265 21.0 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 10.212 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Tgt Ion:252 Resp: 243902
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.2
125 9.6 10.4 15.6#

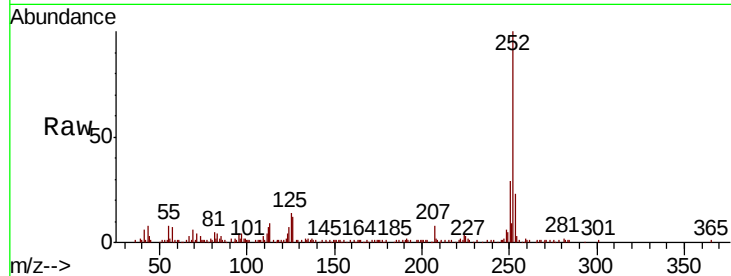




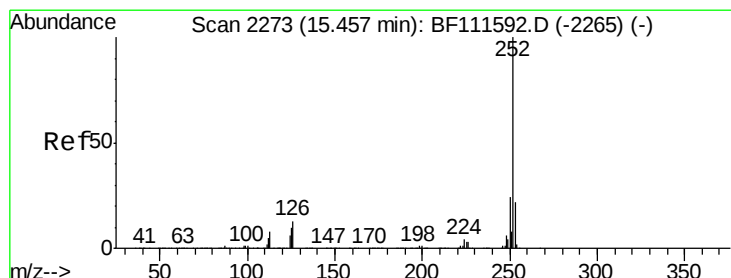
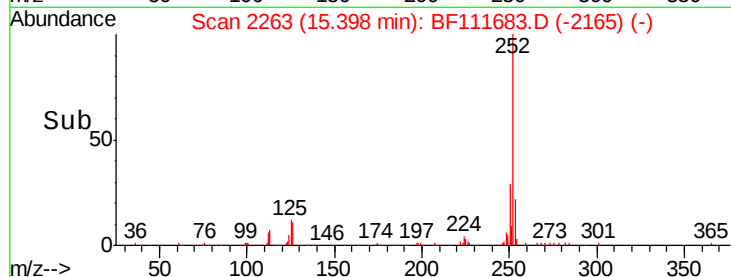
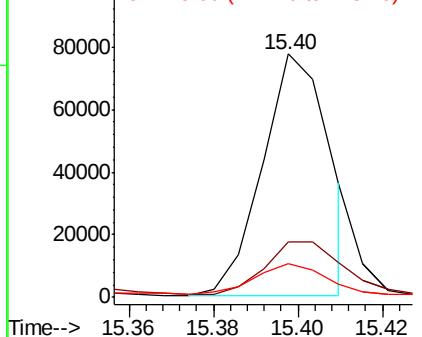
#89
Benzo(k)fluoranthene
Concen: 3.731 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.28 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0006-01

Tgt Ion:252 Resp: 84847
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 13.9 9.8 14.8

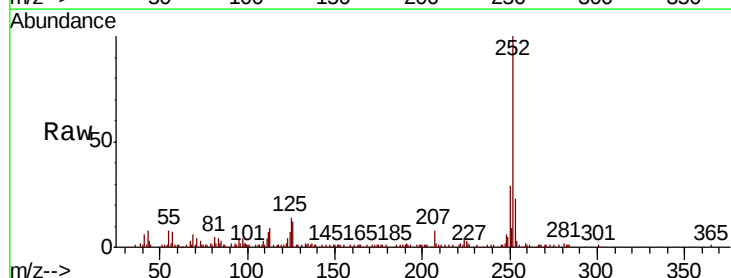


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.116 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.06 min
Lab File: BF111683.D
Acq: 21 Dec 2018 13:16

Tgt Ion:252 Resp: 89313
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 13.9 12.3 18.5



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

