

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
 Data File : BF111196.D
 Acq On : 7 Dec 2018 19:32
 Operator : JU/SJ
 Sample : J6214-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(3-5)

Quant Time: Dec 07 22:26:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	464753	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1871713	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	891235	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1252861	20.00	ng	0.00
76) Chrysene-d12	13.96	240	870207	20.00	ng	0.00
87) Perylene-d12	15.39	264	850852	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	2115625	71.03	ng	0.00
7) Phenol-d6	6.43	99	2596489	67.68	ng	0.00
23) Nitrobenzene-d5	7.36	82	1905516	60.27	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	503131	71.02	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2957542	56.63	ng	0.00
79) Terphenyl-d14	12.91	244	2257978	53.14	ng	0.00

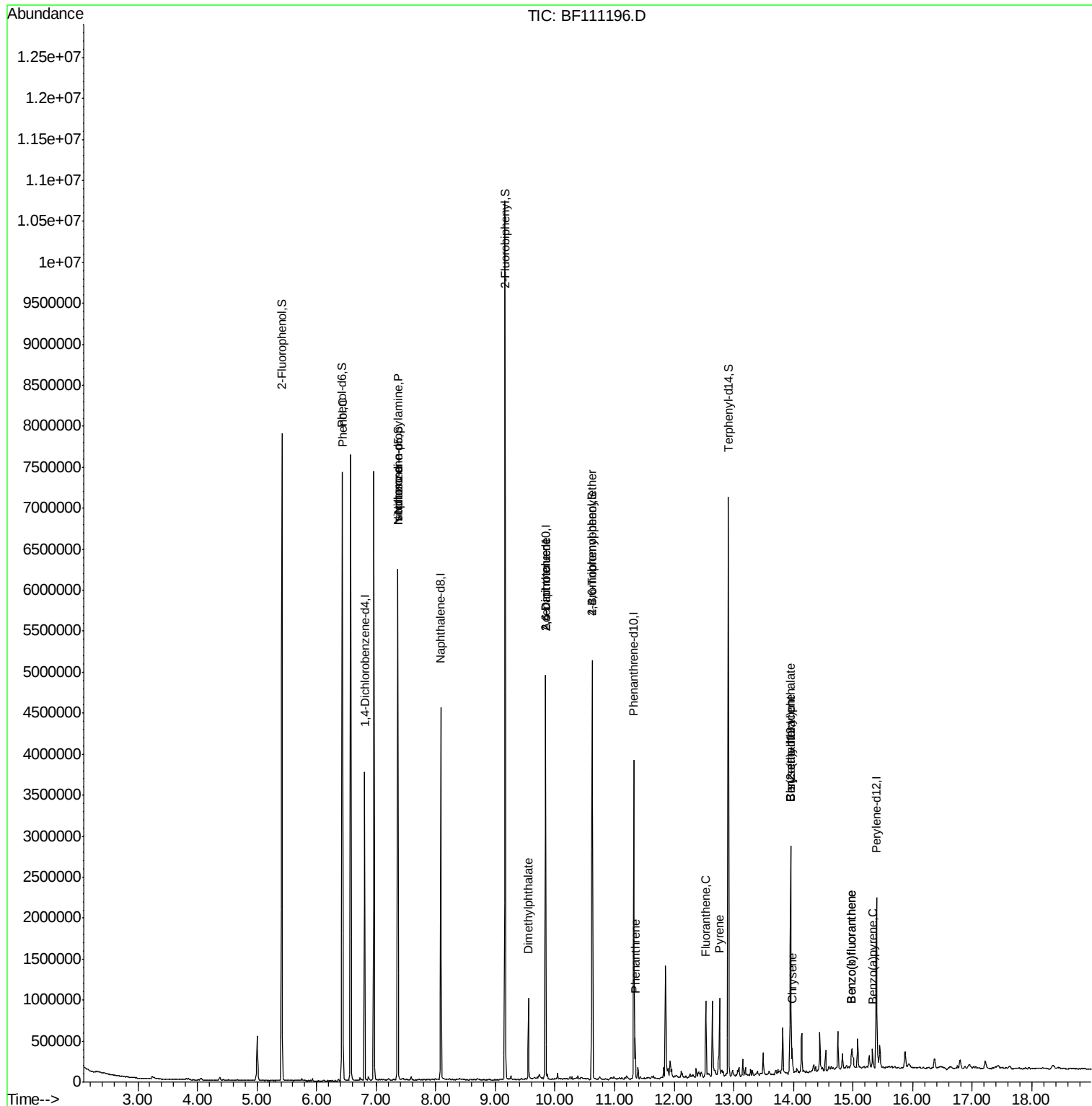
Target Compounds

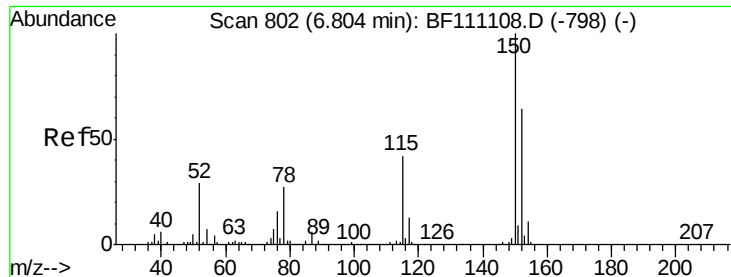
						Qvalue
9) Benzaldehyde	6.43	77	5712	Below Cal	#	1
10) Phenol	6.44	94	182301	4.358 ng		99
19) n-Nitroso-di-n-propylamine	7.36	70	252192	9.781 ng	#	72
25) Isophorone	7.36	82	1893565	32.636 ng	#	65
50) Dimethylphthalate	9.55	163	357535	5.764 ng		98
51) 2,6-Dinitrotoluene	9.84	165	114736	8.725 ng	#	26
57) 2,4-Dinitrotoluene	9.84	165	114736	6.756 ng	#	23
67) 4-Bromophenyl-phenylether	10.62	248	33098	2.496 ng	#	1
71) Phenanthrene	11.35	178	173485	2.879 ng		93
75) Fluoranthene	12.53	202	336074	5.699 ng		97
78) Pyrene	12.76	202	344028	5.074 ng		94
81) Benzo(a)anthracene	13.95	228	127641	2.503 ng		97
83) Chrysene	13.98	228	125959	2.489 ng		95
84) Bis(2-ethylhexyl)phthalate	13.95	149	96349	2.436 ng		99
88) Benzo(b)fluoranthene	14.97	252	173884	3.607 ng		98
89) Benzo(k)fluoranthene	14.97	252	173884	3.731 ng		98
90) Benzo(a)pyrene	15.33	252	103033	2.330 ng		99

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

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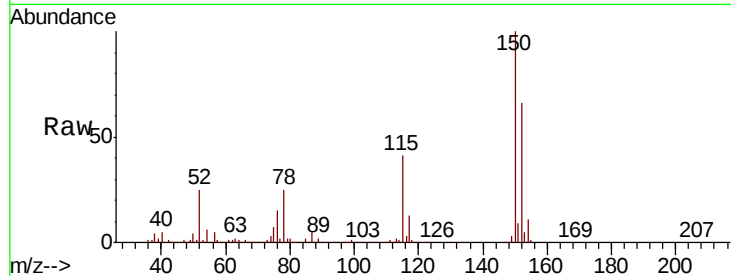


#1

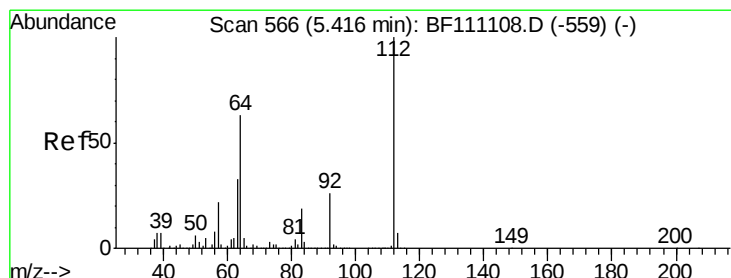
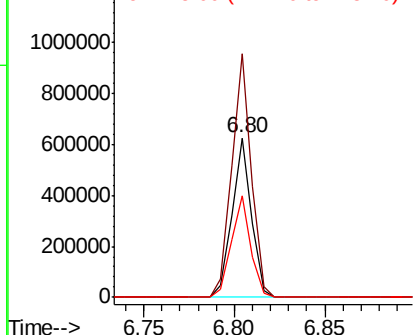
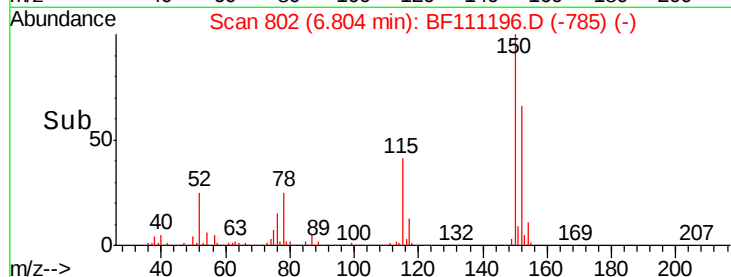
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)

Tgt Ion:152 Resp: 464753
Ion Ratio Lower Upper
152 100
150 152.6 124.6 187.0
115 63.3 52.2 78.2



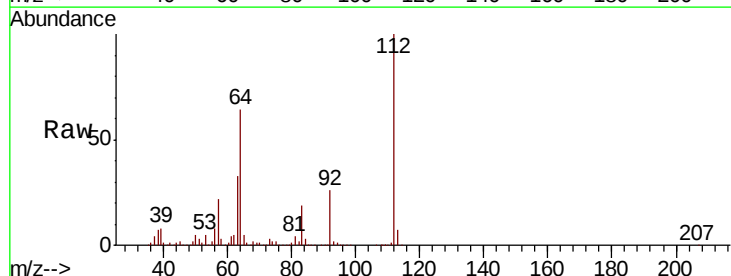
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



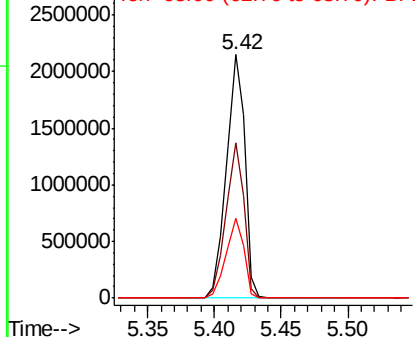
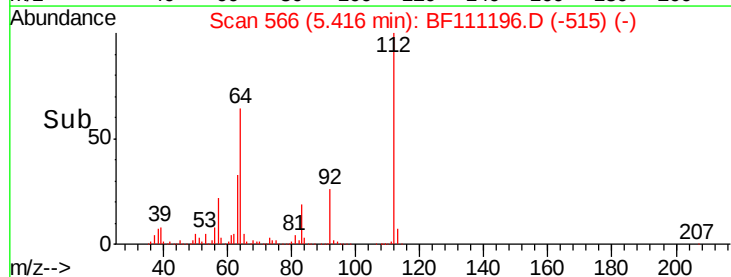
#5

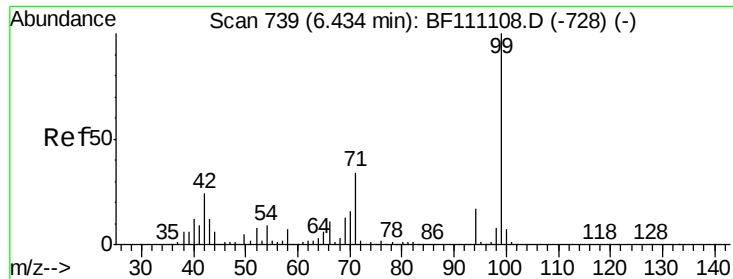
2-Fluorophenol
Concen: 71.034 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion:112 Resp: 2115625
Ion Ratio Lower Upper
112 100
64 63.7 50.2 75.4
63 33.0 26.6 39.8



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: 67.677 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111196.D

Acq: 7 Dec 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)

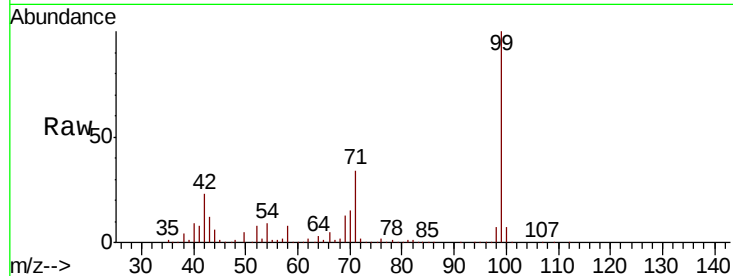
Tgt Ion: 99 Resp: 2596489

Ion Ratio Lower Upper

99 100

42 23.3 19.3 28.9

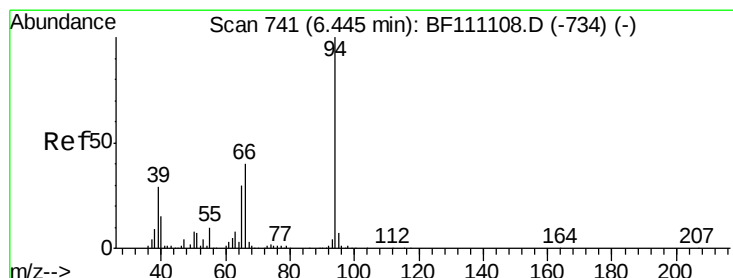
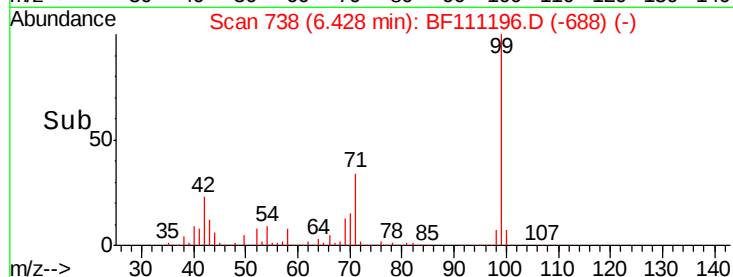
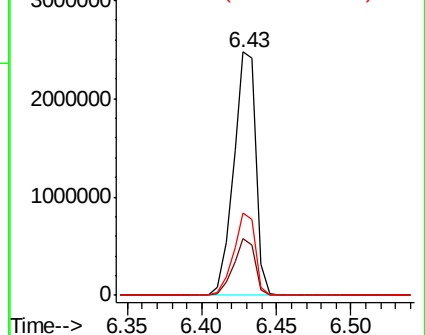
71 33.9 27.4 41.2



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: 4.358 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111196.D

Acq: 7 Dec 2018 19:32

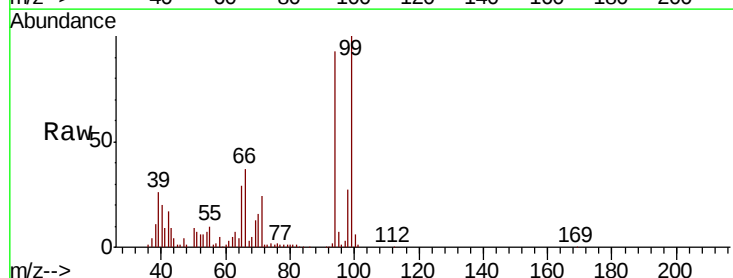
Tgt Ion: 94 Resp: 182301

Ion Ratio Lower Upper

94 100

65 31.1 10.5 50.5

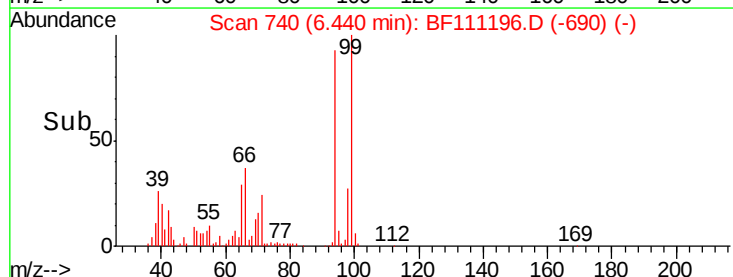
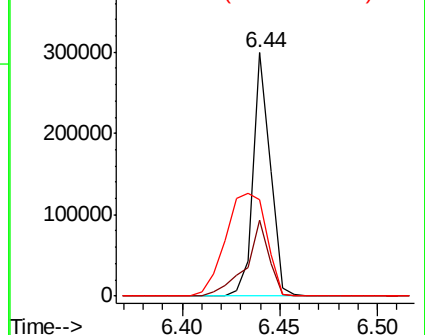
66 39.6 19.8 59.8

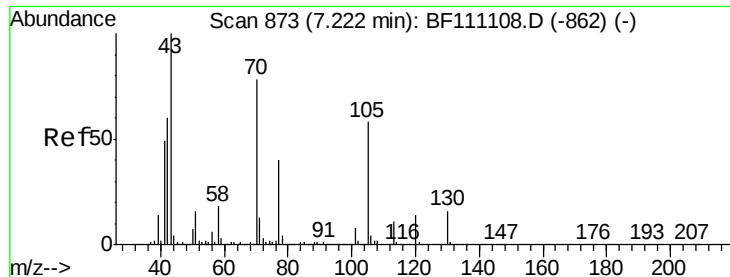


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

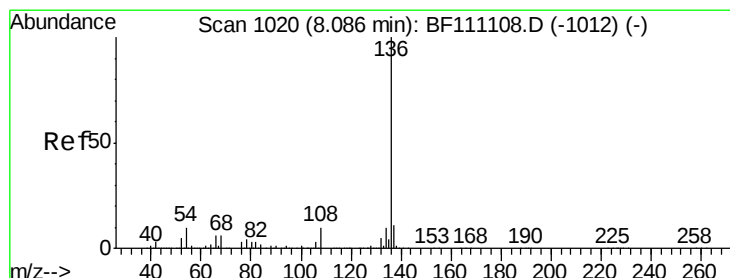
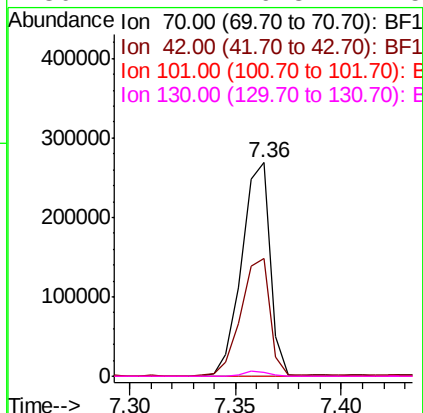
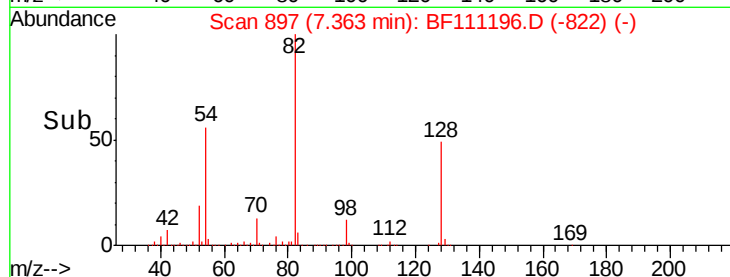
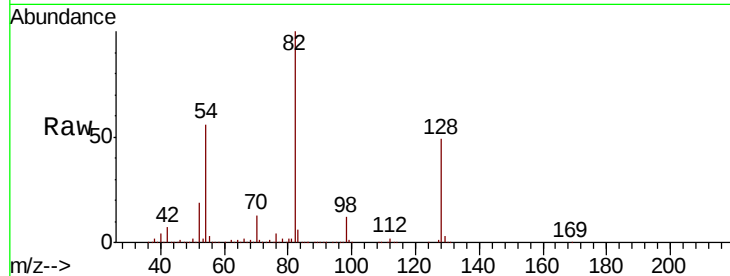




#19
n-Nitroso-di-n-propylamine
Concen: 9.781 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

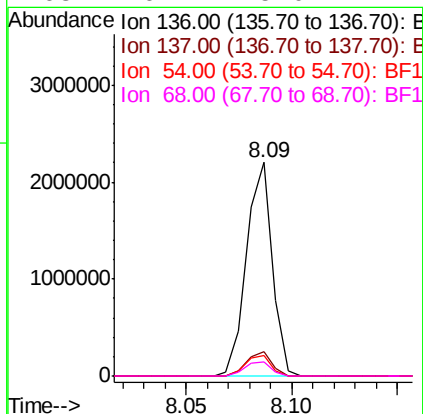
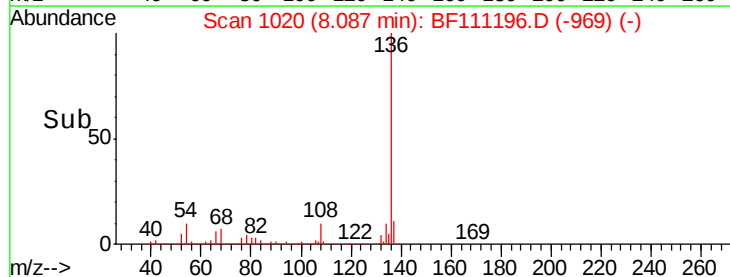
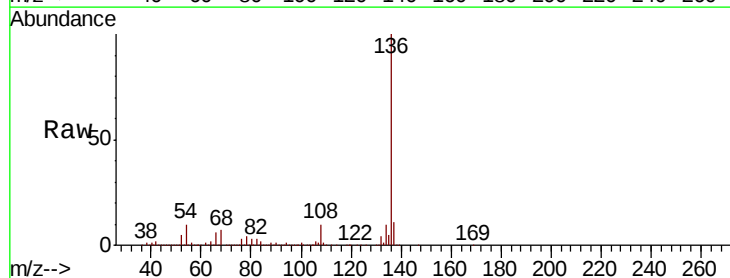
Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)

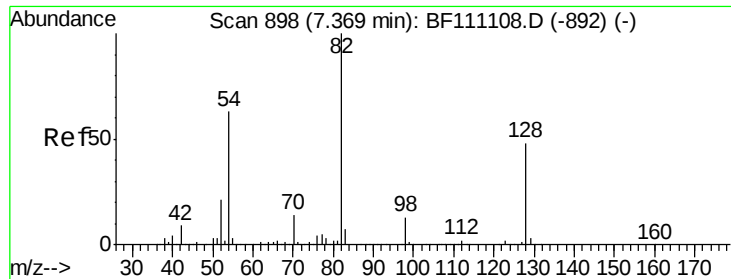
Tgt Ion: 70 Resp: 252192
Ion Ratio Lower Upper
70 100
42 55.1 61.3 91.9#
101 0.0 7.7 11.5#
130 1.7 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion:136 Resp: 1871713
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.7 8.4 12.6
68 6.7 5.0 7.4

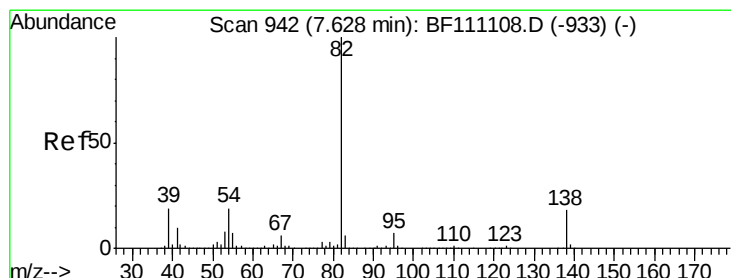
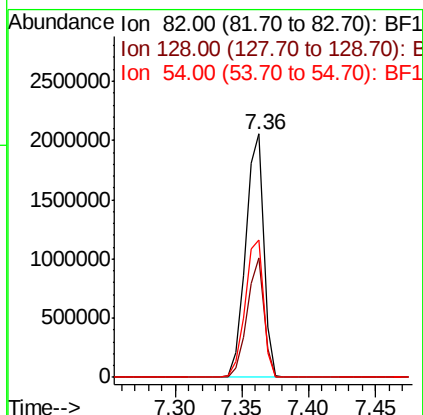
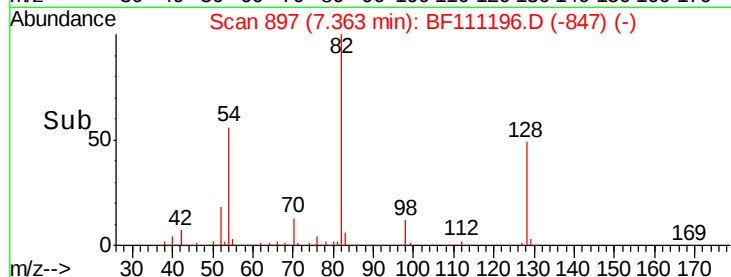
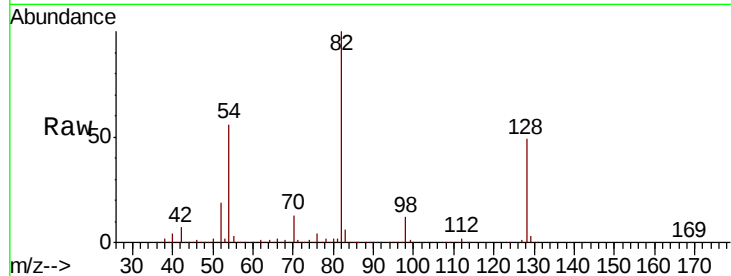




#23
Nitrobenzene-d5
Concen: 60.273 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

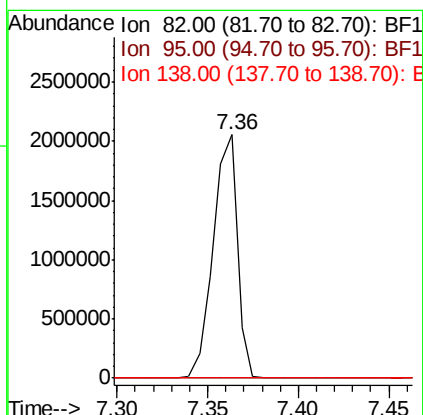
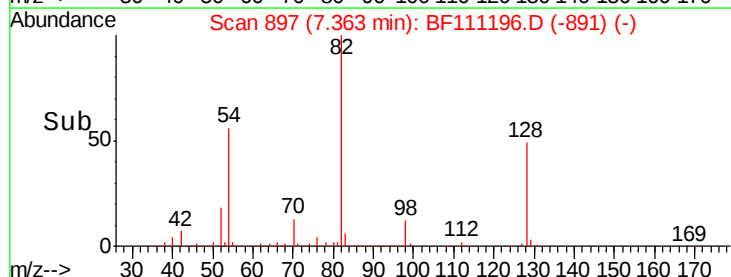
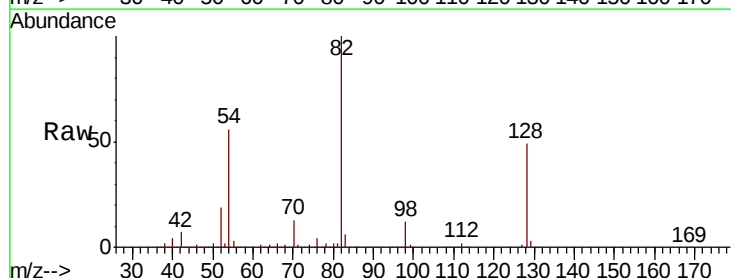
Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)

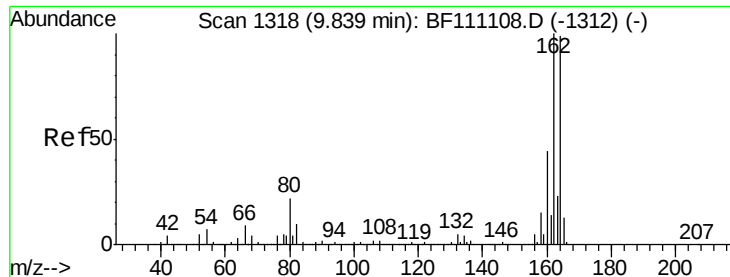
Tgt Ion: 82 Resp: 1905516
Ion Ratio Lower Upper
82 100
128 49.1 38.1 57.1
54 56.4 50.3 75.5



#25
Isophorone
Concen: 32.636 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion: 82 Resp: 1893565
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#

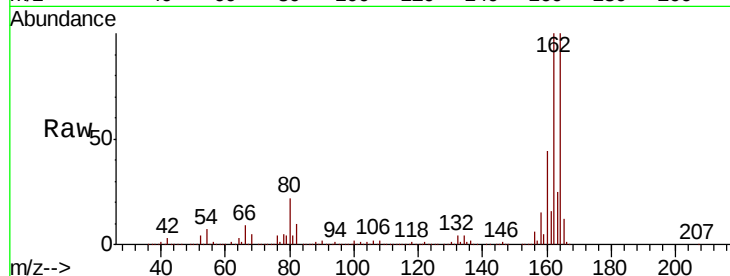




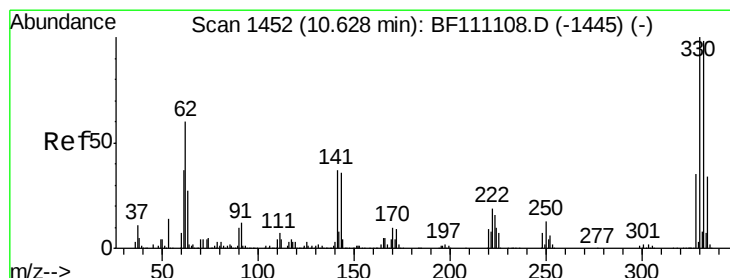
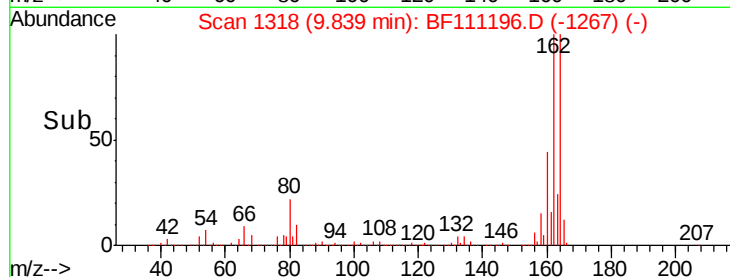
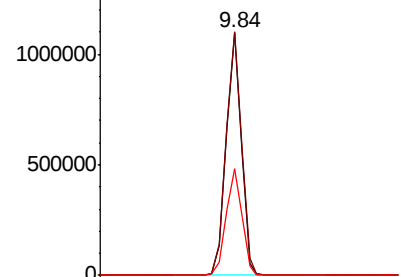
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Instrument :
BNA_F
ClientSampled :
SB-4(3-5)

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	44.0	35.5	53.3

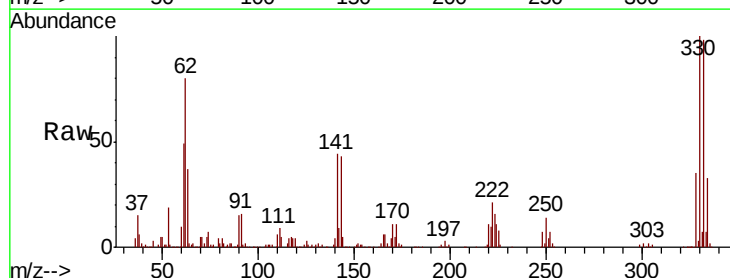


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

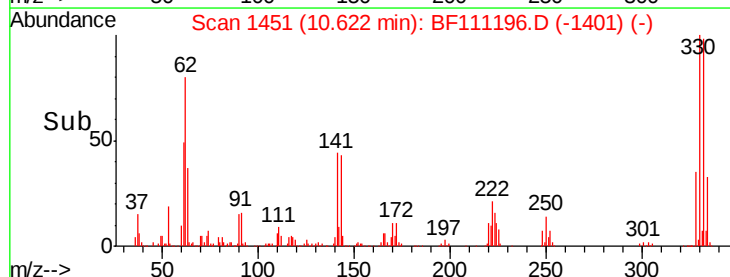
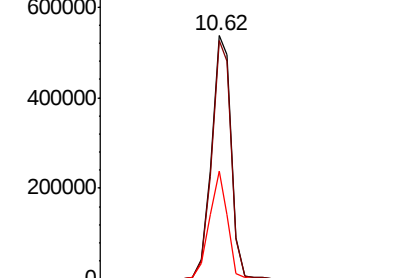


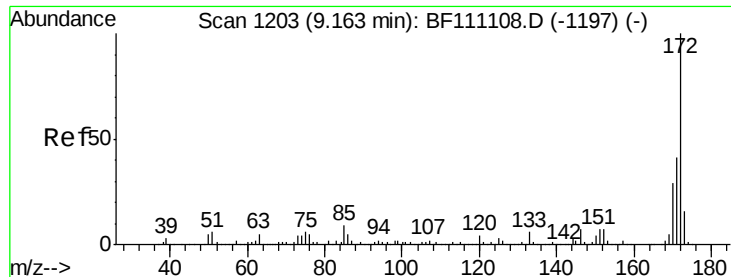
#42
2,4,6-Tribromophenol
Concen: 71.021 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.2	115.8
141	40.8	36.1	54.1



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

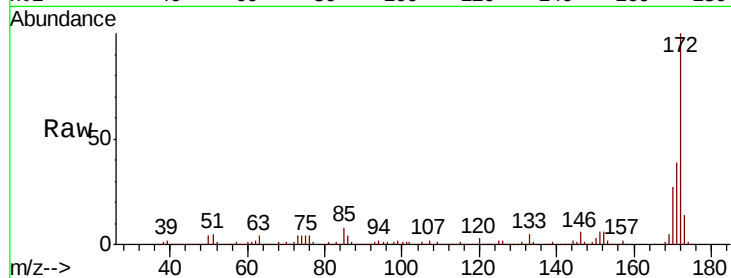




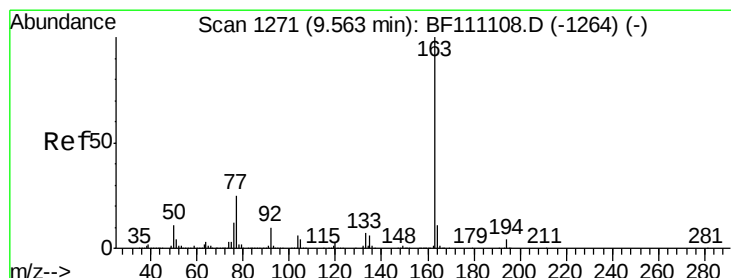
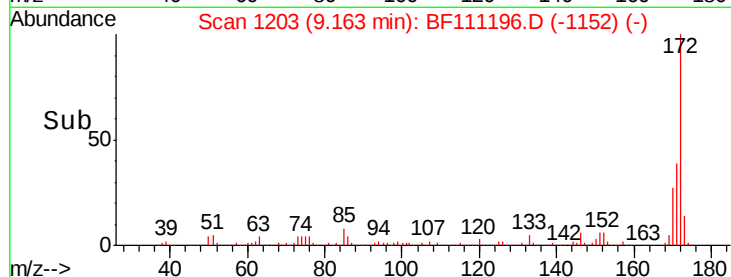
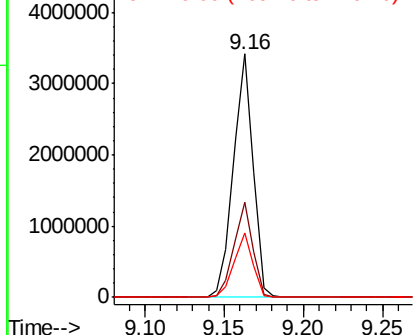
#45
2-Fluorobiphenyl
Concen: 56.629 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)

Tgt Ion:172 Resp: 2957542
Ion Ratio Lower Upper
172 100
171 39.0 33.2 49.8
170 26.5 22.9 34.3

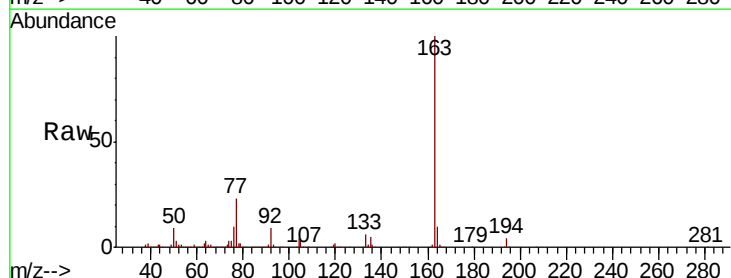


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

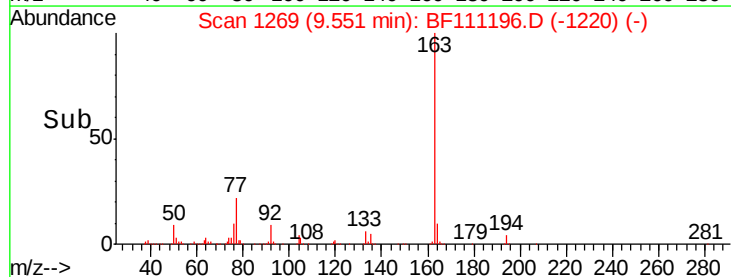
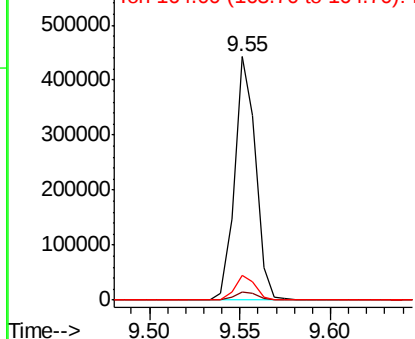


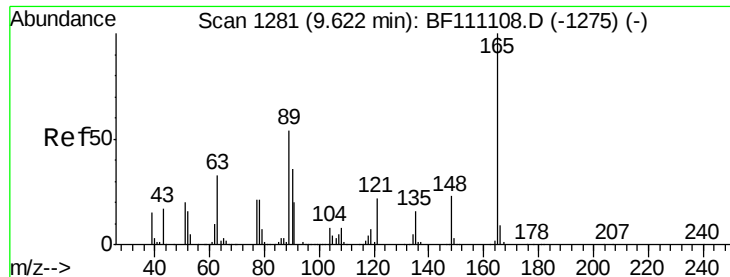
#50
Dimethylphthalate
Concen: 5.764 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion:163 Resp: 357535
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 10.3 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

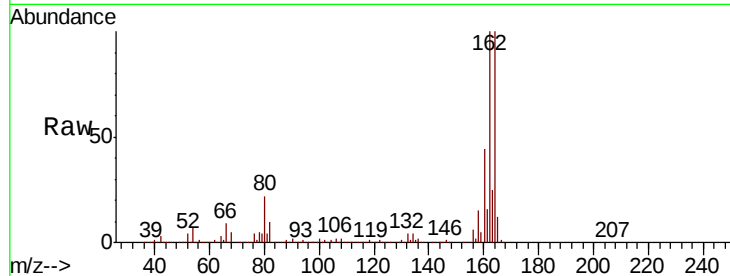




#51
2,6-Dinitrotoluene
Concen: 8.725 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.22 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)

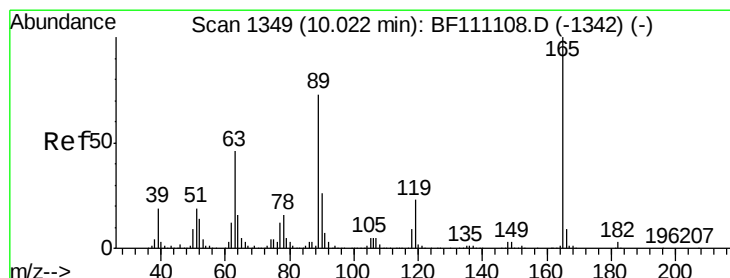
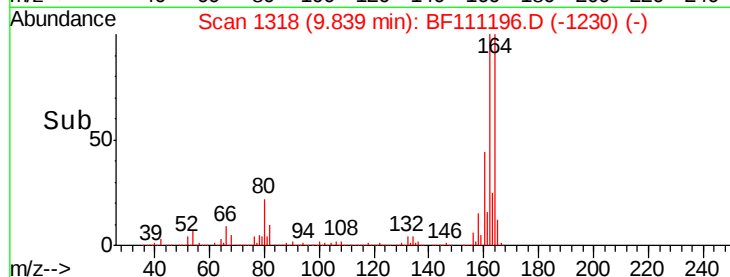
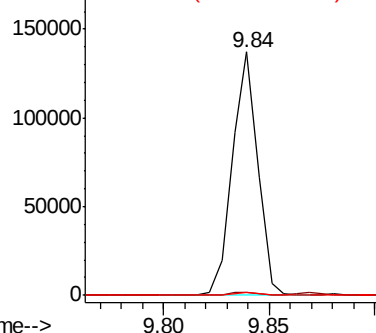
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.1	43.0	64.4#



Abundance Ion 165.00 (164.70 to 165.70): E

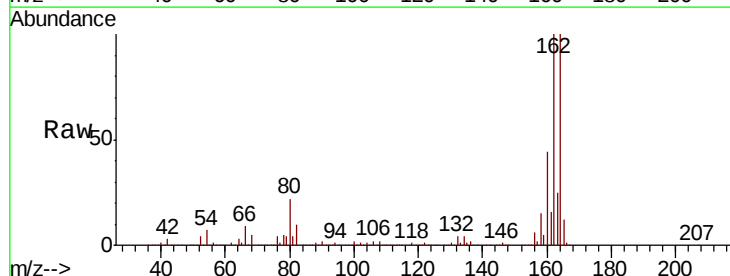
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.756 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.18 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.7	55.1#
89	1.1	58.4	87.6#
182	0.0	2.1	3.1#

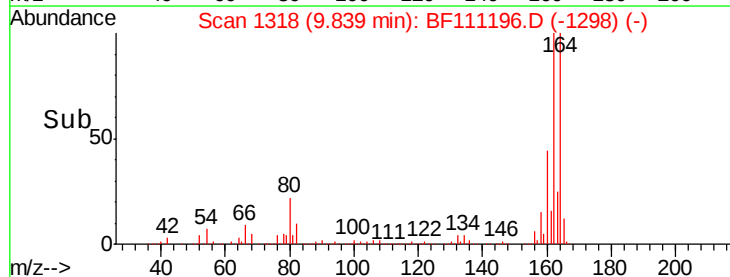
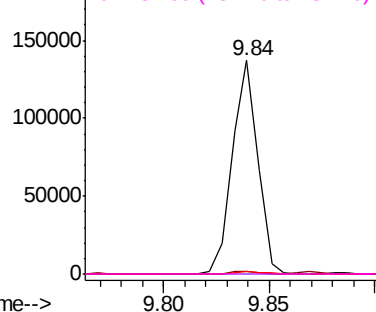


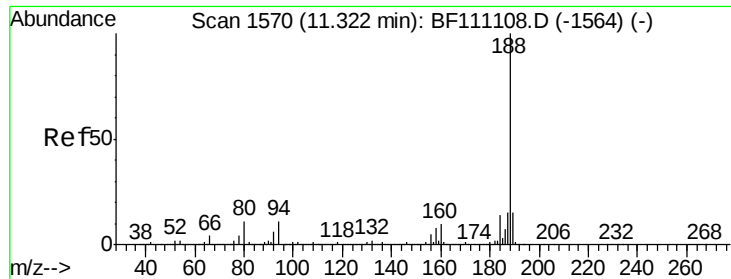
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF111196.D

Acq: 7 Dec 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)

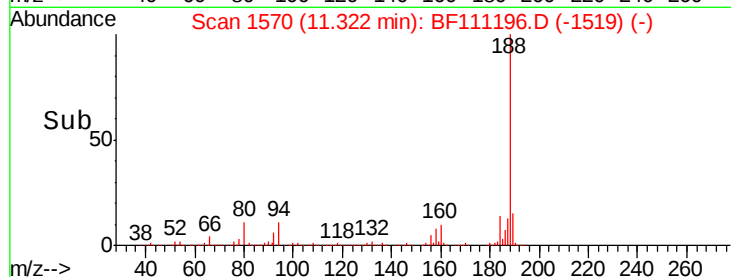
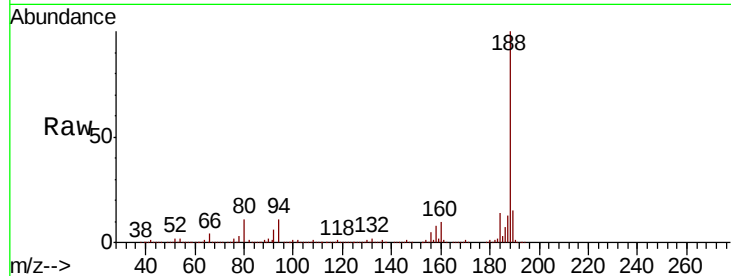
Tgt Ion:188 Resp: 1252861

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

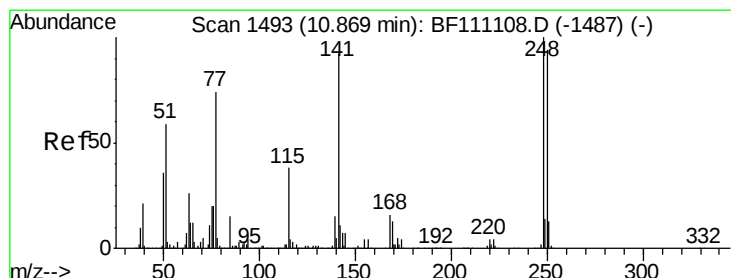
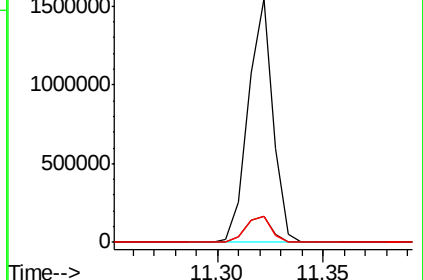
80 10.9 9.0 13.6



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



#67

4-Bromophenyl-phenylether

Concen: 2.496 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF111196.D

Acq: 7 Dec 2018 19:32

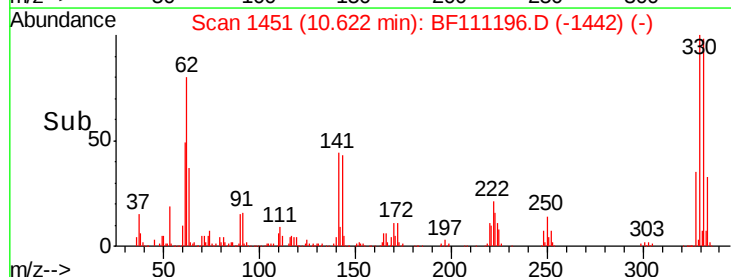
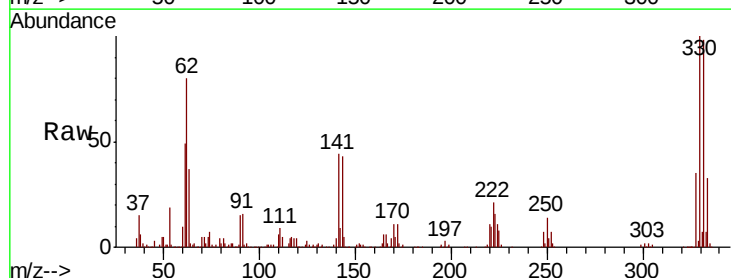
Tgt Ion:248 Resp: 33098

Ion Ratio Lower Upper

248 100

250 198.9 75.4 113.0#

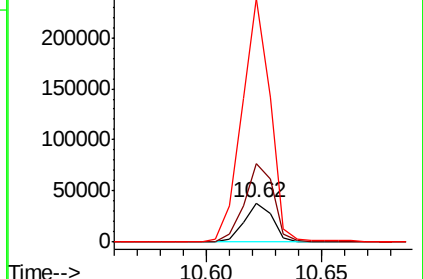
141 619.9 73.8 110.6#

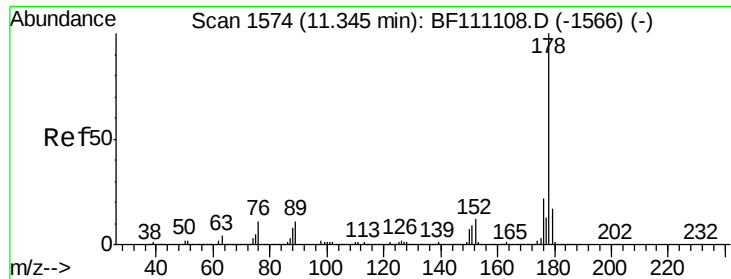


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

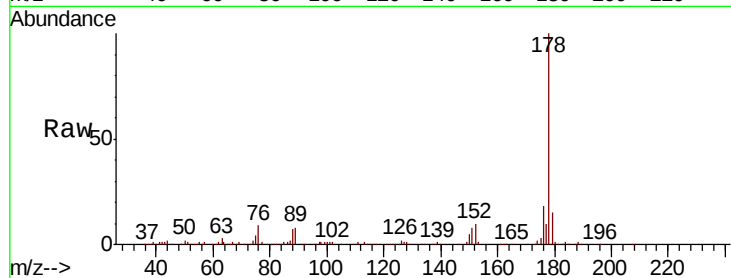




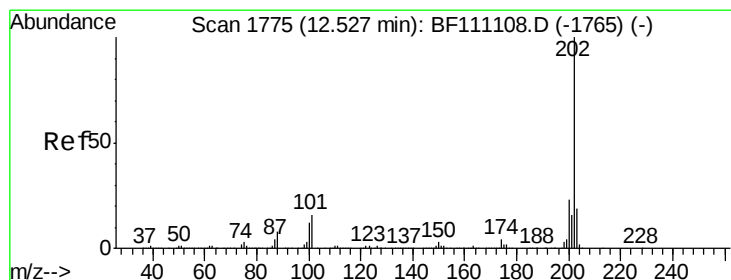
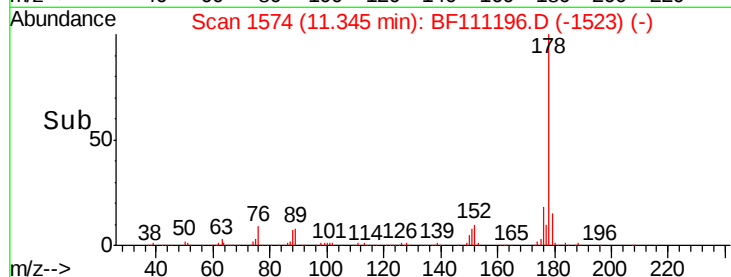
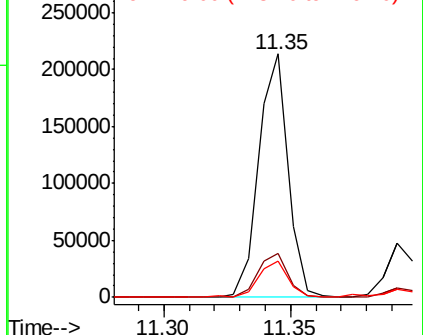
#71
Phenanthrene
Concen: 2.879 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Instrument :
BNA_F
ClientSampled :
SB-4(3-5)

Tgt Ion:178 Resp: 173485
Ion Ratio Lower Upper
178 100
176 18.0 17.7 26.5
179 14.9 14.0 21.0

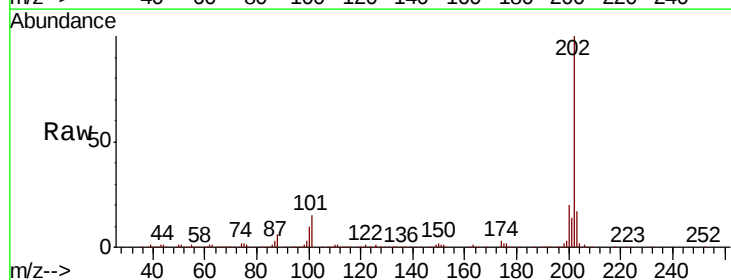


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

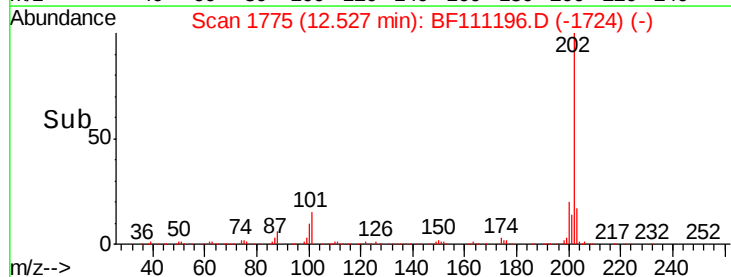
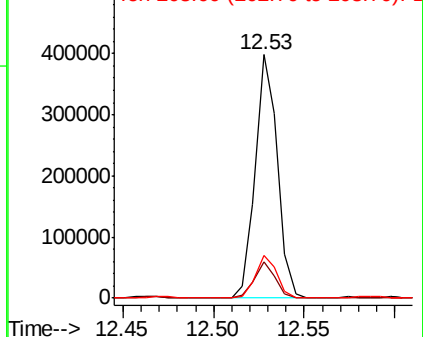


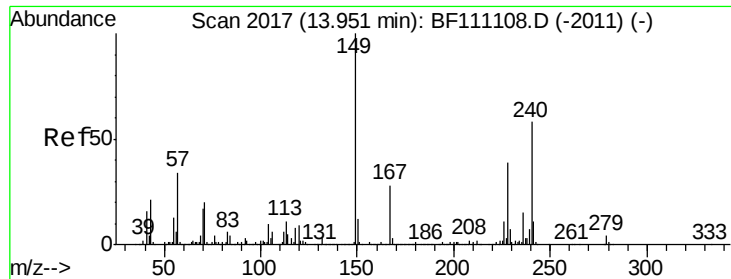
#75
Fluoranthene
Concen: 5.699 ng
RT: 12.53 min Scan# 1775
Delta R.T. 0.00 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion:202 Resp: 336074
Ion Ratio Lower Upper
202 100
101 14.7 0.0 35.8
203 17.3 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

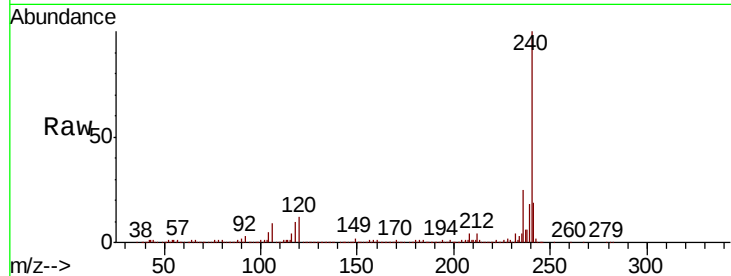




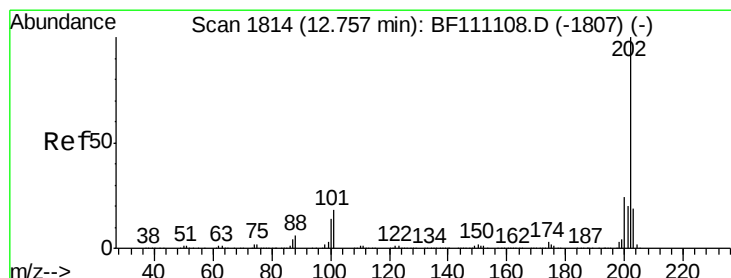
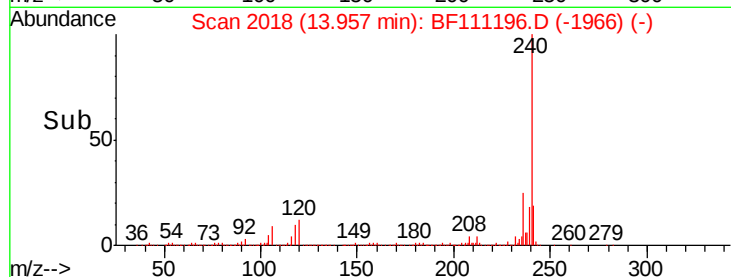
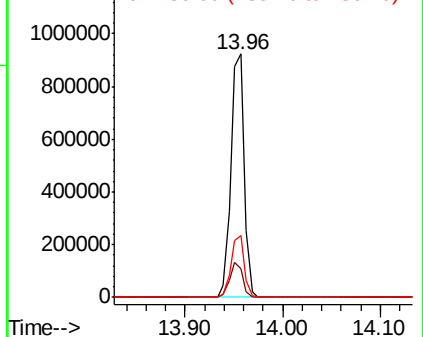
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)

Tgt Ion:240 Resp: 870207
Ion Ratio Lower Upper
240 100
120 11.8 12.8 19.2#
236 25.5 21.1 31.7

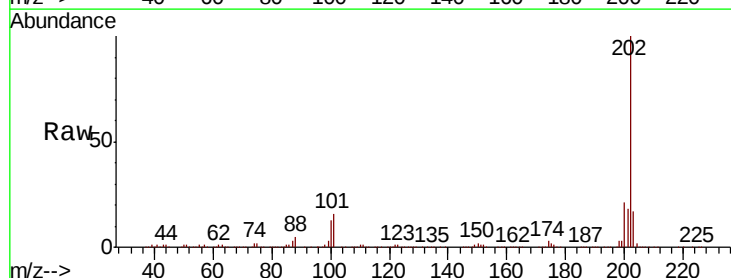


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

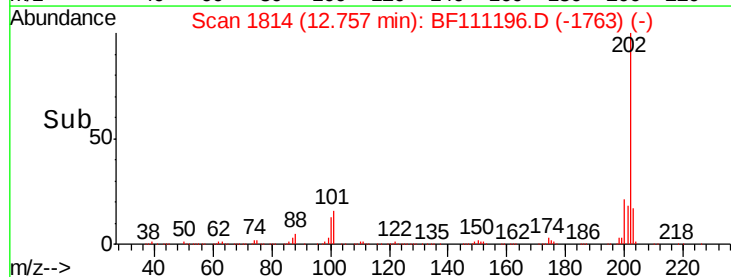
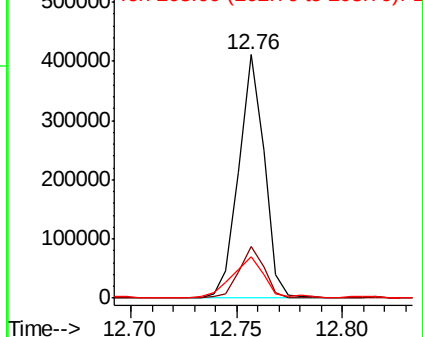


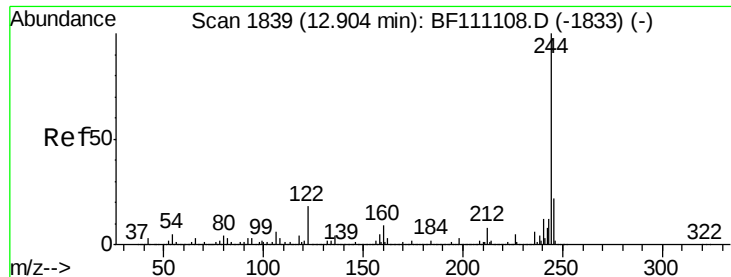
#78
Pyrene
Concen: 5.074 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion:202 Resp: 344028
Ion Ratio Lower Upper
202 100
200 21.1 19.3 28.9
203 17.1 15.4 23.2



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

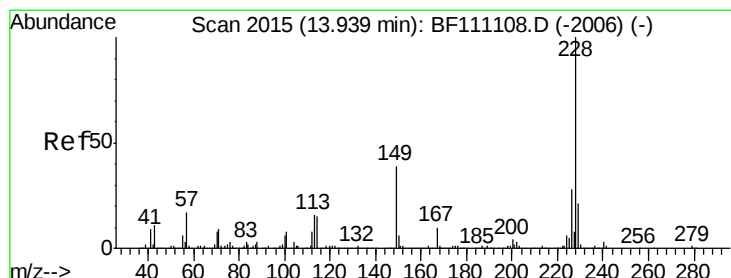
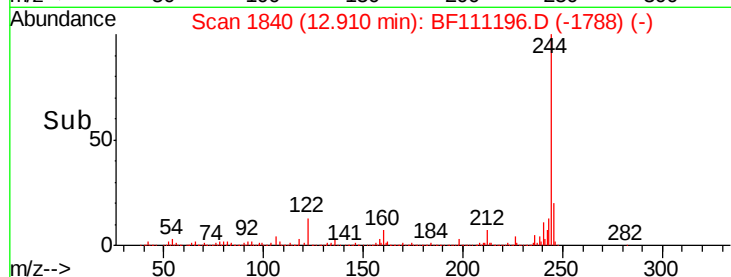
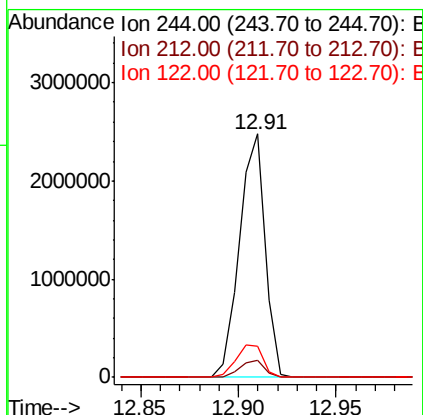
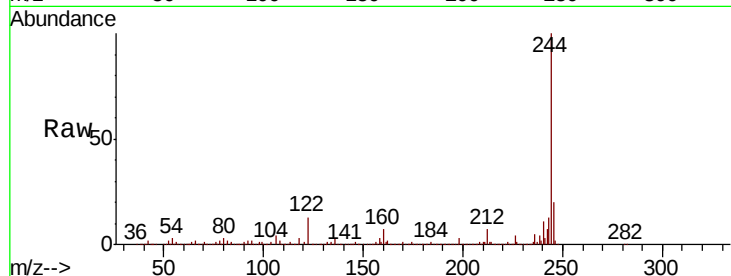




#79
 Terphenyl-d14
 Concen: 53.140 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111196.D
 Acq: 7 Dec 2018 19:32

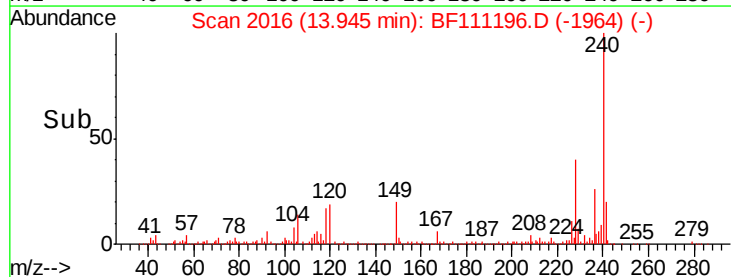
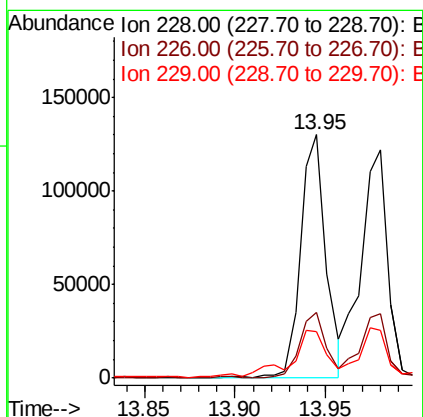
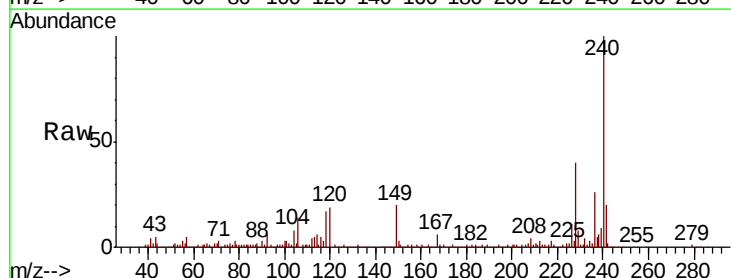
Instrument :
 BNA_F
 ClientSampleId :
 SB-4(3-5)

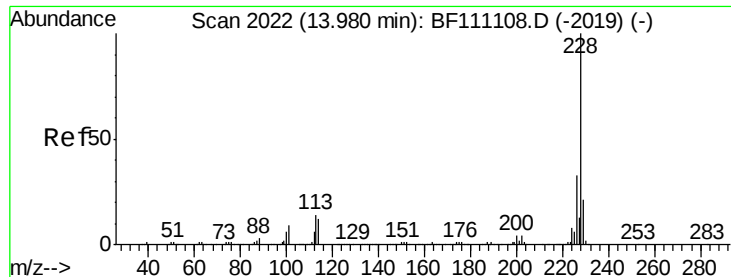
Tgt Ion:244 Resp: 2257978
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.6 9.8
 122 12.8 14.2 21.2#



#81
 Benzo(a)anthracene
 Concen: 2.503 ng
 RT: 13.95 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BF111196.D
 Acq: 7 Dec 2018 19:32

Tgt Ion:228 Resp: 127641
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.6 34.0
 229 19.0 16.7 25.1





#83

Chrysene

Concen: 2.489 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF111196.D

Acq: 7 Dec 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)

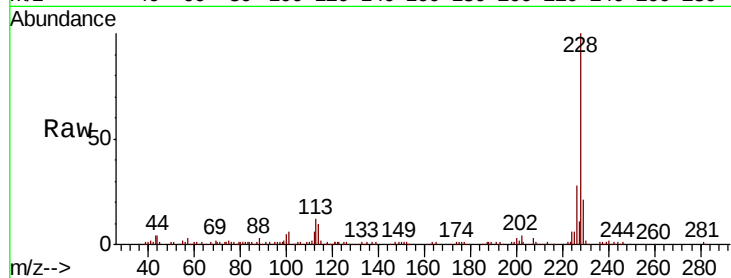
Tgt Ion:228 Resp: 125959

Ion Ratio Lower Upper

228 100

226 28.2 26.2 39.2

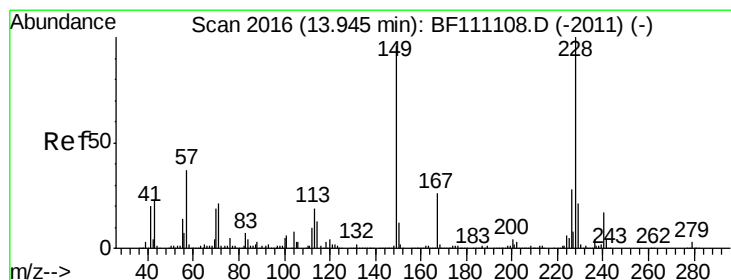
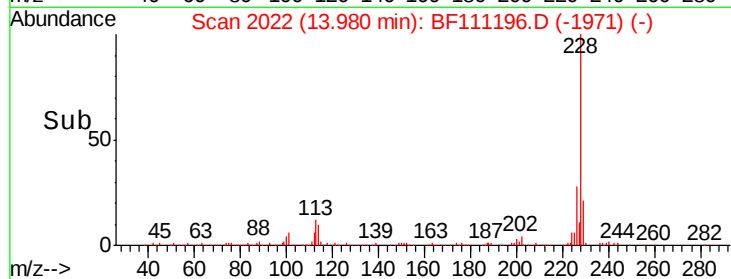
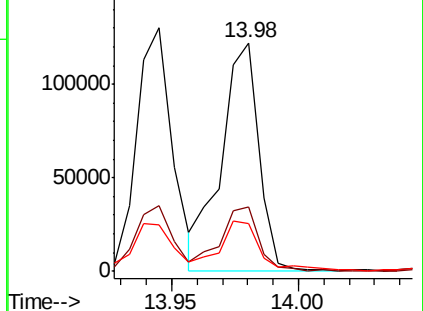
229 21.2 16.9 25.3



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.436 ng

RT: 13.95 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111196.D

Acq: 7 Dec 2018 19:32

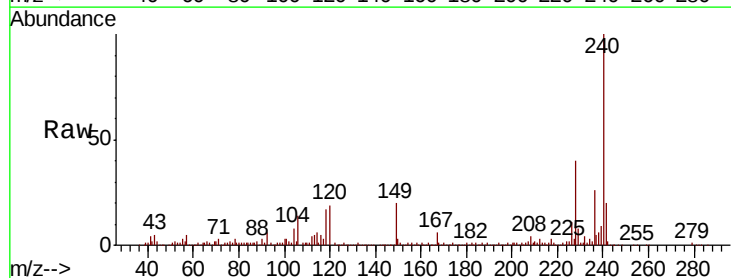
Tgt Ion:149 Resp: 96349

Ion Ratio Lower Upper

149 100

167 27.7 21.6 32.4

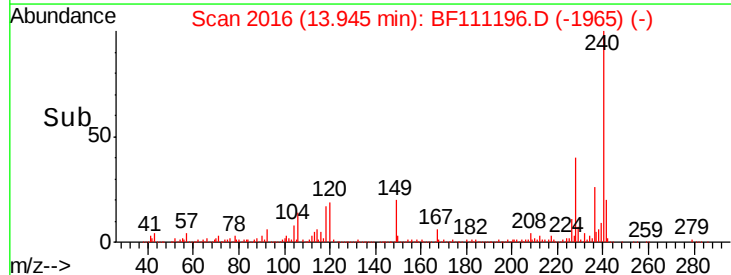
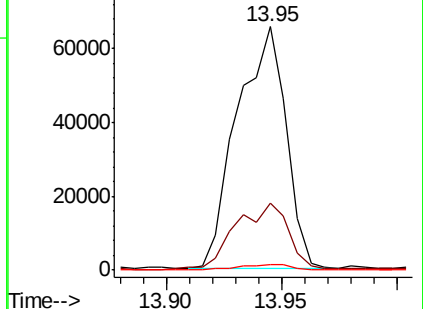
279 2.5 2.3 3.5

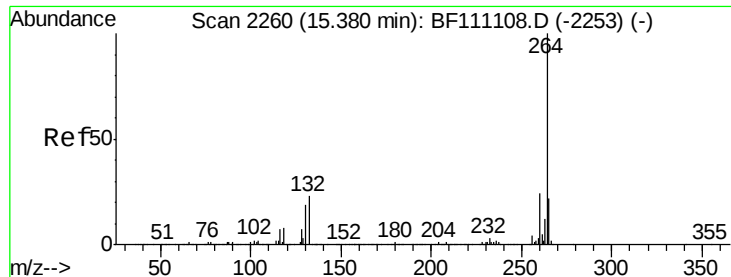


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111196.D

Acq: 7 Dec 2018 19:32

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)

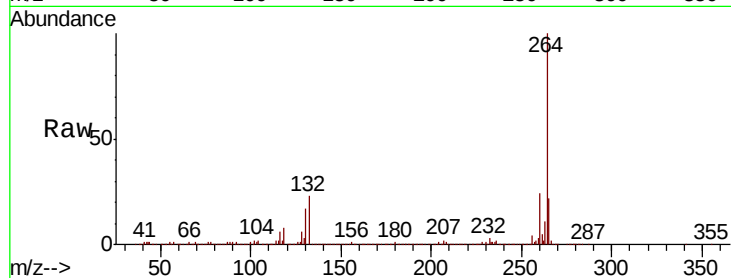
Tgt Ion:264 Resp: 850852

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 22.1 17.4 26.0

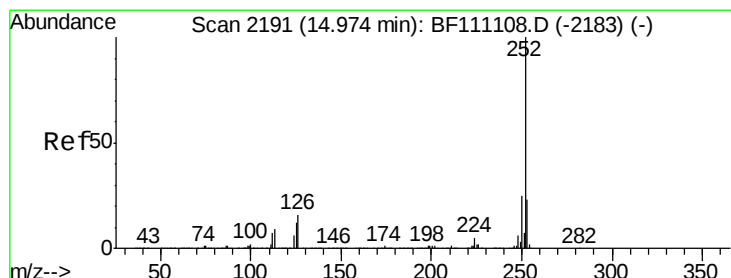
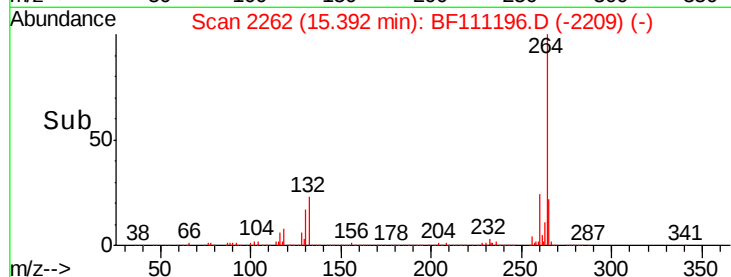
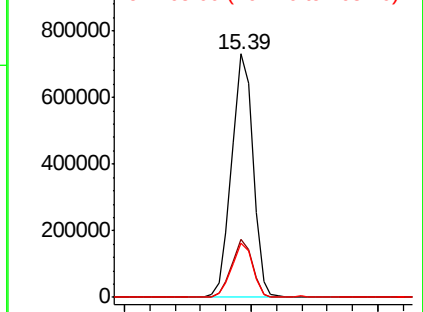


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.607 ng

RT: 14.97 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BF111196.D

Acq: 7 Dec 2018 19:32

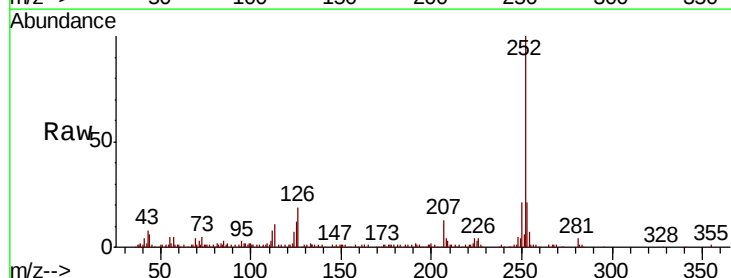
Tgt Ion:252 Resp: 173884

Ion Ratio Lower Upper

252 100

253 21.3 18.5 27.7

125 12.4 9.9 14.9

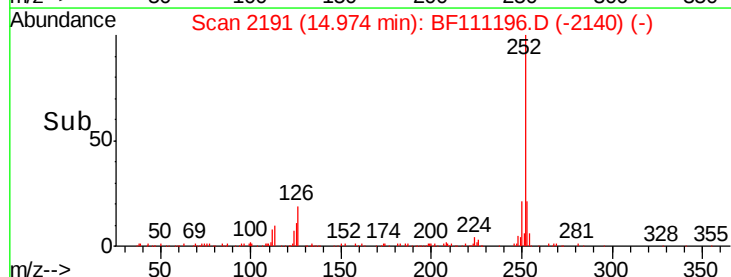
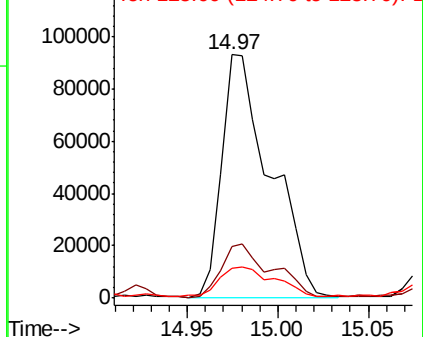


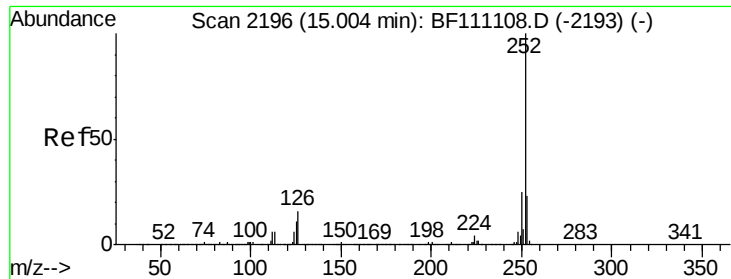
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

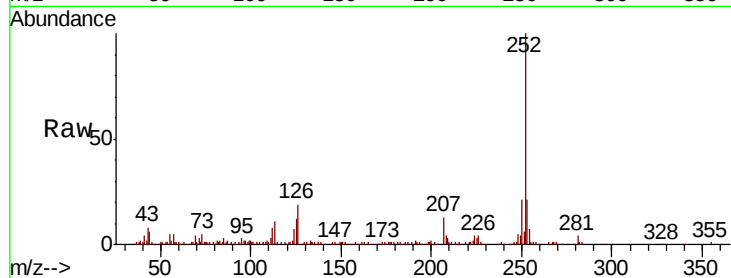




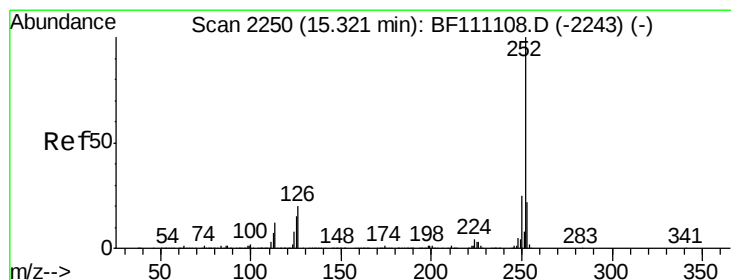
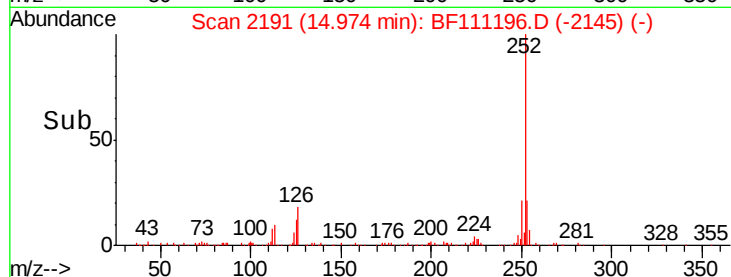
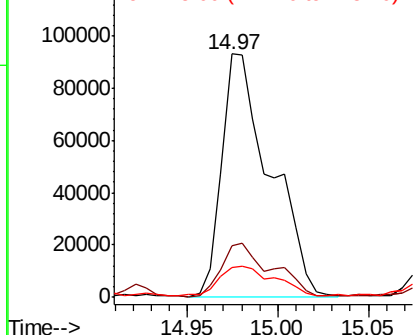
#89
Benzo(k)fluoranthene
Concen: 3.731 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)

Tgt Ion: 252 Resp: 173884
Ion Ratio Lower Upper
252 100
253 21.3 18.2 27.4
125 12.4 9.9 14.9

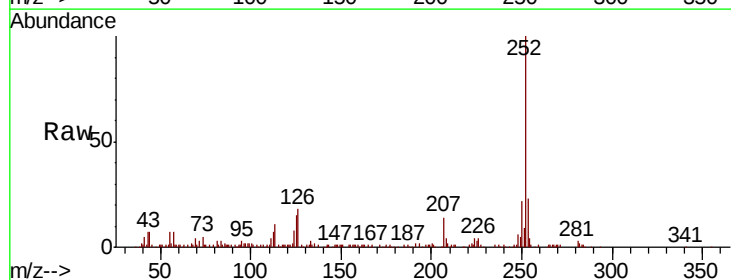


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.330 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF111196.D
Acq: 7 Dec 2018 19:32

Tgt Ion: 252 Resp: 103033
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 15.0 12.4 18.6



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

