

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118892.D
 Acq On : 11 Feb 2020 19:07
 Operator : CG/JU
 Sample : L1484-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Quant Time: Feb 12 06:50:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	260389	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	1030486	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	580146	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	849753	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	626499	20.00	ng	-0.02
87) Perylene-d12	15.42	264	615966	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1763909	128.23	ng	0.00
7) Phenol-d6	6.45	99	2191699	128.35	ng	0.00
23) Nitrobenzene-d5	7.36	82	1447735	83.74	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	835989	120.43	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	2650598	81.68	ng	-0.02
79) Terphenyl-d14	12.92	244	2648298	86.83	ng	-0.01

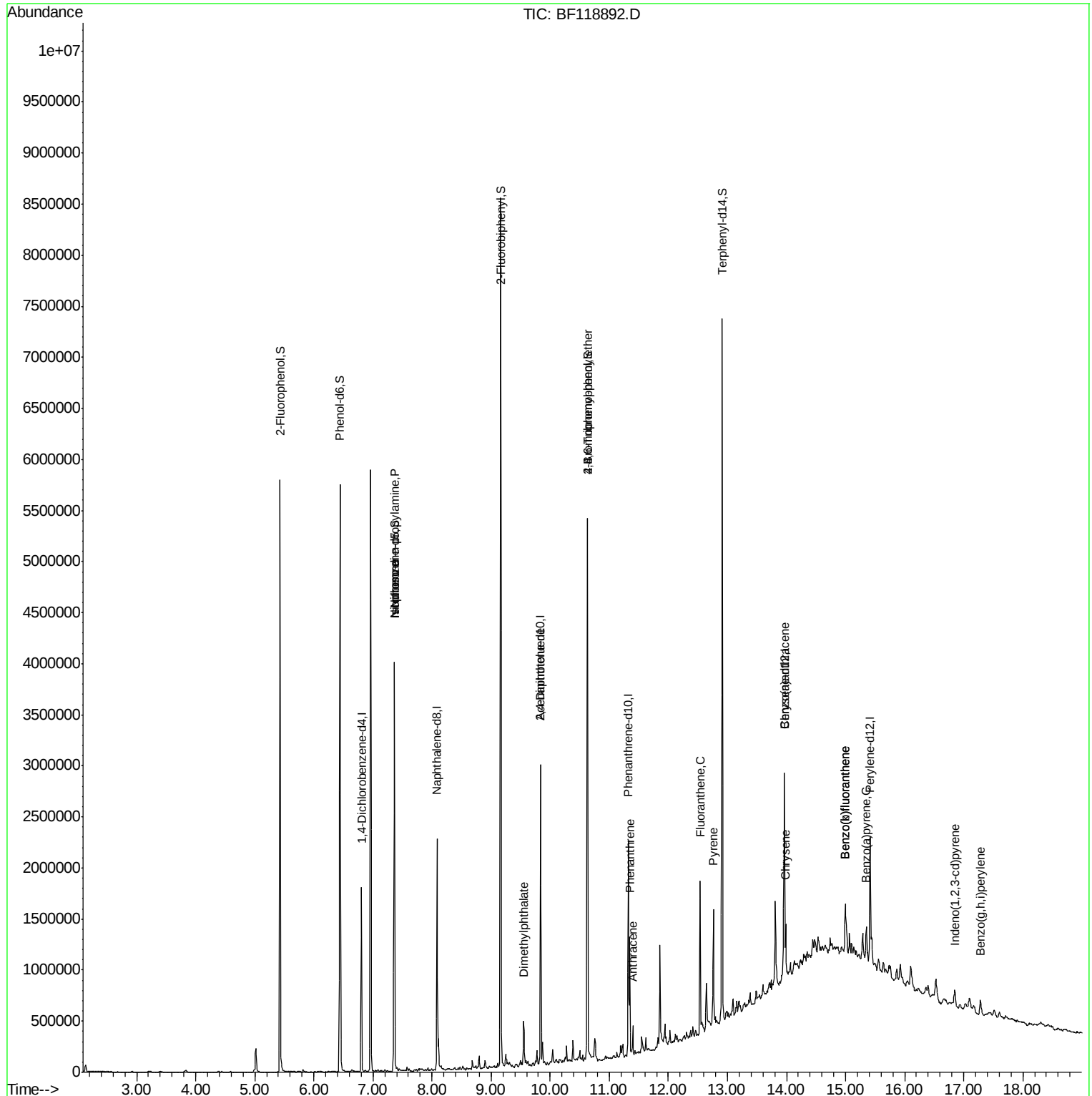
Target Compounds

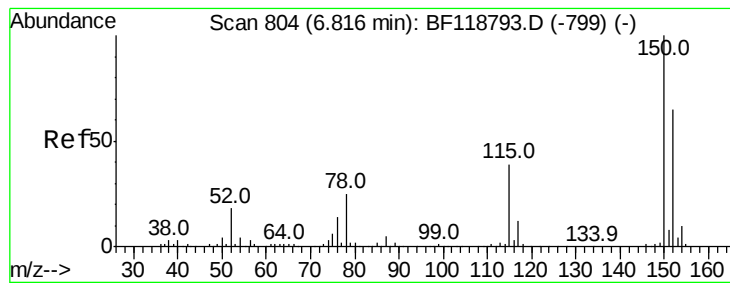
						Qvalue
9) Benzaldehyde	6.36	77	482	Below Cal	#	88
19) n-Nitroso-di-n-propylamine	7.36	70	198886	19.036 ng	#	76
25) Isophorone	7.36	82	1444910	46.503 ng	#	63
50) Dimethylphthalate	9.55	163	162653	4.118 ng		99
57) 2,4-Dinitrotoluene	9.84	165	80378	6.720 ng	#	34
67) 4-Bromophenyl-phenylether	10.63	248	54640	5.436 ng	#	1
71) Phenanthrene	11.35	178	429841	10.281 ng		97
72) Anthracene	11.40	178	102955	2.475 ng		97
75) Fluoranthene	12.54	202	612384	13.415 ng		97
78) Pyrene	12.76	202	495890	11.538 ng		97
81) Benzo(a)anthracene	13.96	228	235387	6.314 ng		98
83) Chrysene	13.99	228	217184	5.804 ng		96
86) Indeno(1,2,3-cd)pyrene	16.85	276	119573	3.181 ng		95
88) Benzo(b)fluoranthene	14.99	252	352964	9.235 ng	#	94
89) Benzo(k)fluoranthene	14.99	252	352964	10.605 ng	#	93
90) Benzo(a)pyrene	15.35	252	176089	5.383 ng	#	92
92) Benzo(a,h,i)perylene	17.28	276	111525	3.994 ng		94

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

```
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Acq On    : 11 Feb 2020  19:07  
Operator  : CG/JU  
Sample    : L1484-03  
Misc      :  
ALS Vial  : 9      Sample Multiplier: 1
```

Quant Time: Feb 12 06:50:19 2020
Quant Method : Z:\SV0ASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



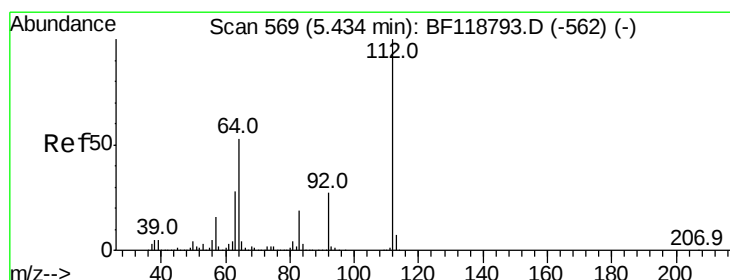
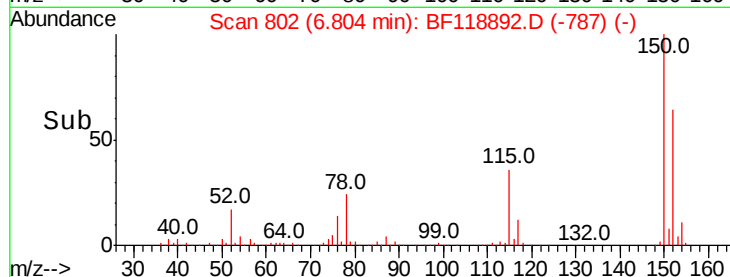
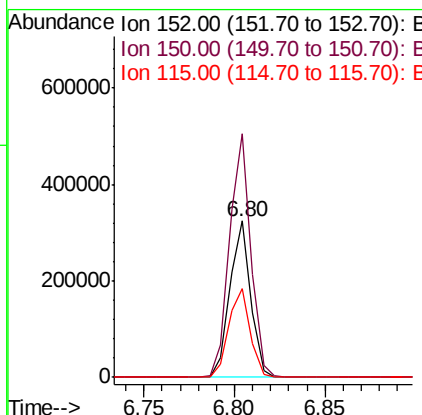
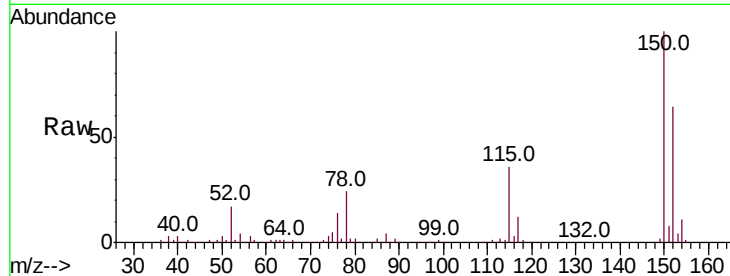


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118892.D
 Acq: 11 Feb 2020 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

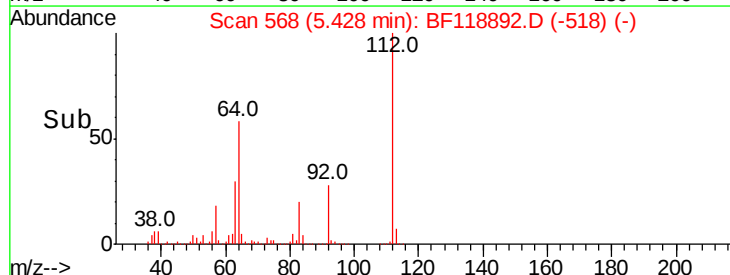
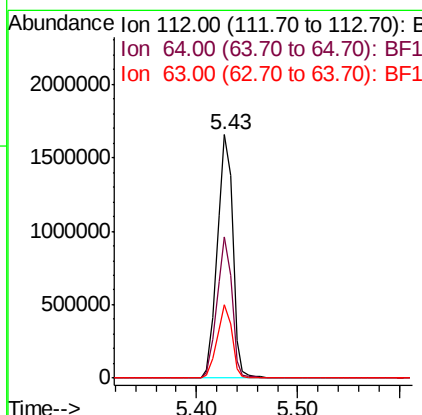
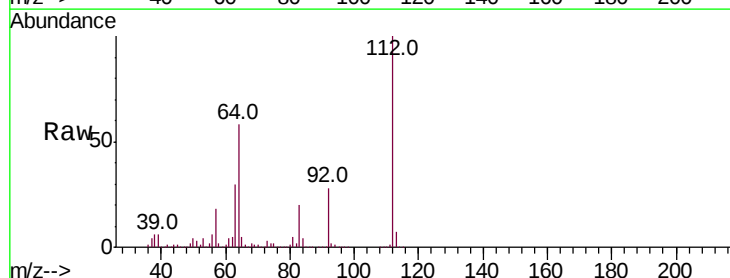
Tot Ion:152 Resp: 260389
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.6 185.4
 115 56.6 48.2 72.2

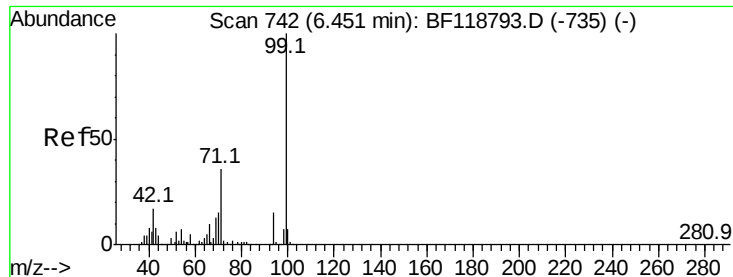


#5

2-Fluorophenol
 Concen: 128.229 ng
 RT: 5.43 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF118892.D
 Acq: 11 Feb 2020 19:07

Tgt Ion:112 Resp: 1763909
 Ion Ratio Lower Upper
 112 100
 64 58.2 42.6 63.8
 63 30.1 22.2 33.4





#7

Phenol-d6

Concen: 128.350 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

Instrument :

BNA_F

ClientSampled :

SP-3

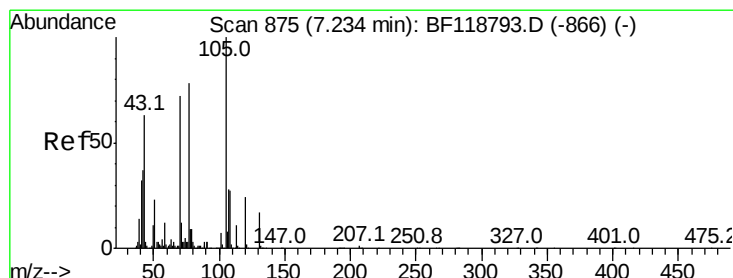
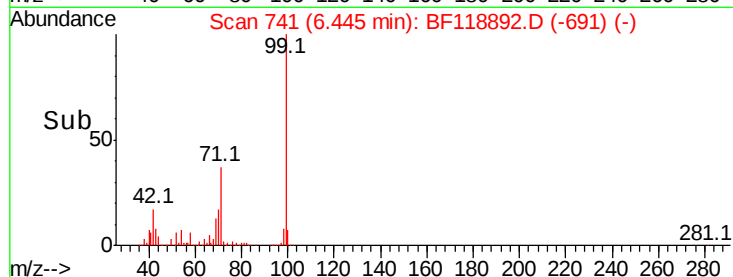
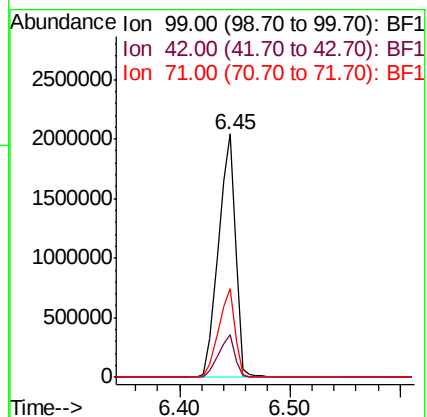
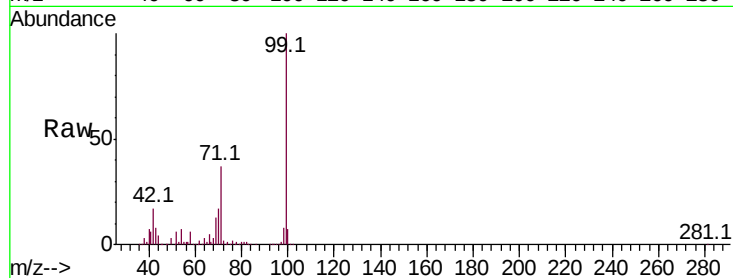
Tot Ion: 99 Resp: 2191699

Ion Ratio Lower Upper

99 100

42 17.5 13.4 20.0

71 36.7 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.036 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

Tgt Ion: 70 Resp: 198886

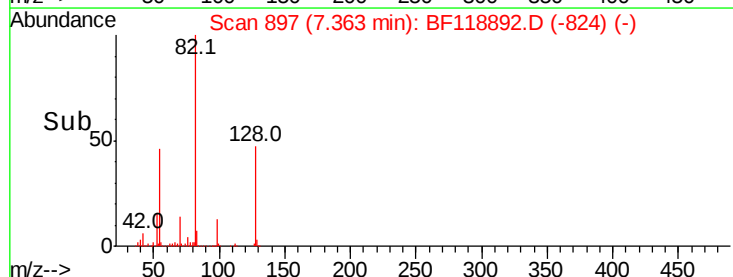
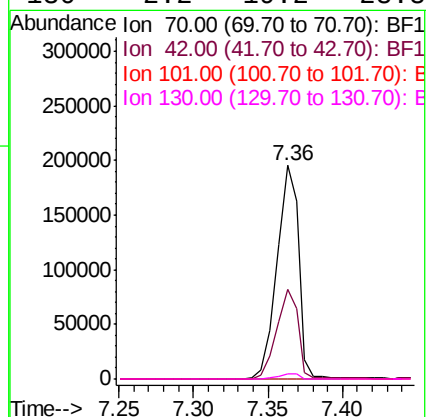
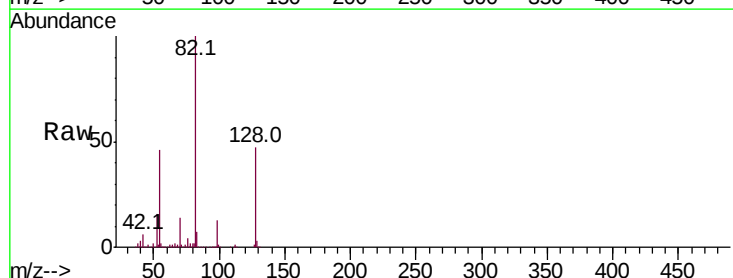
Ion Ratio Lower Upper

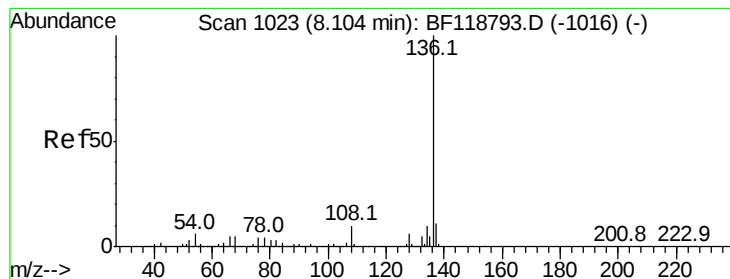
70 100

42 42.2 41.5 62.3

101 0.0 8.3 12.5#

130 2.2 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

Instrument :

BNA_F

ClientSampleId :

SP-3

Tot Ion:136 Resp: 1030486

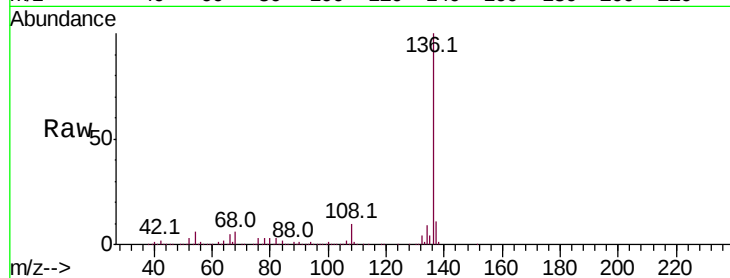
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.5 5.0 7.6

68 5.8 4.2 6.4

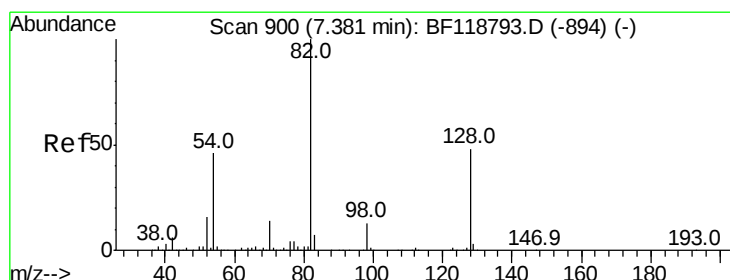
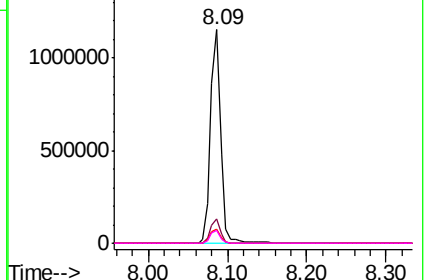
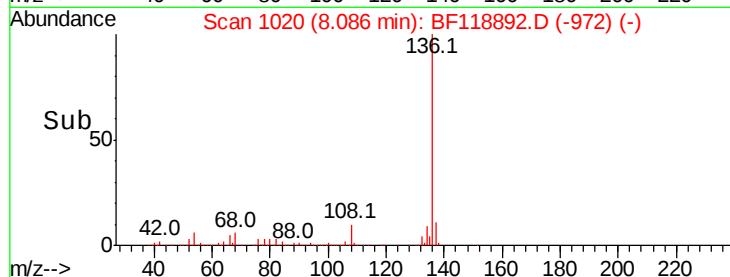


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 83.739 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

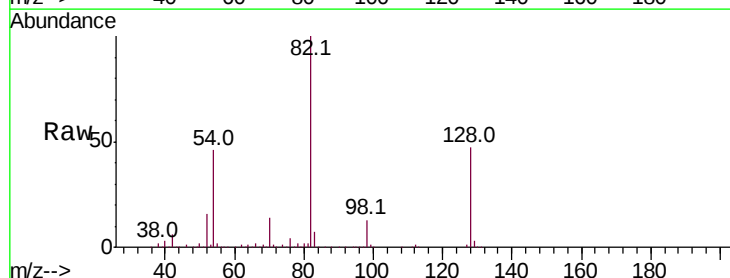
Tgt Ion: 82 Resp: 1447735

Ion Ratio Lower Upper

82 100

128 46.9 38.5 57.7

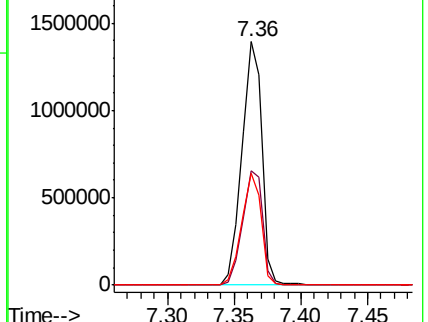
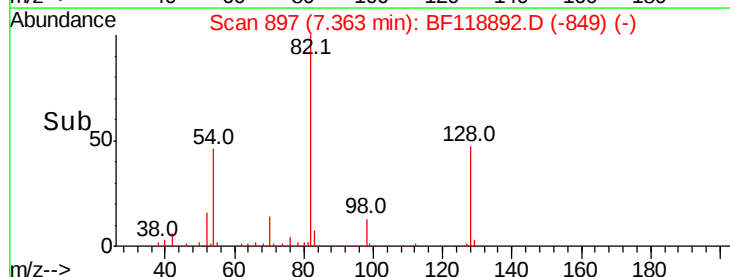
54 45.7 36.7 55.1

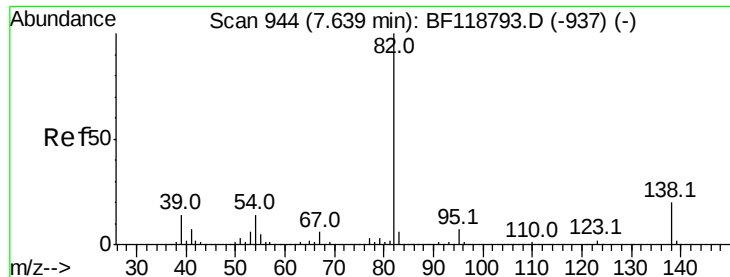


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.503 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.28 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

Instrument :

BNA_F

ClientSampleId :

SP-3

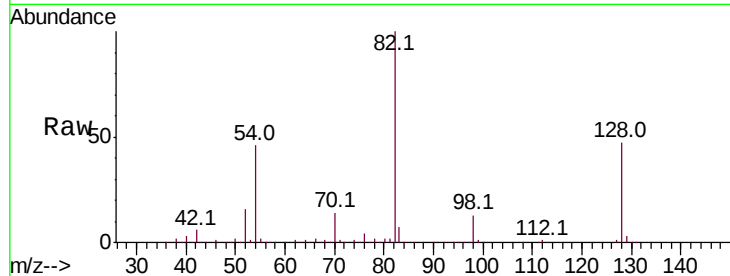
Tot Ion: 82 Resp: 1444910

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

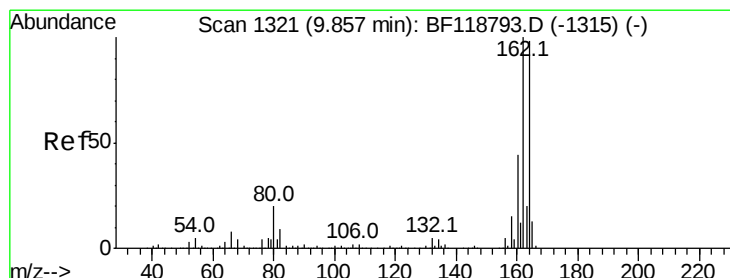
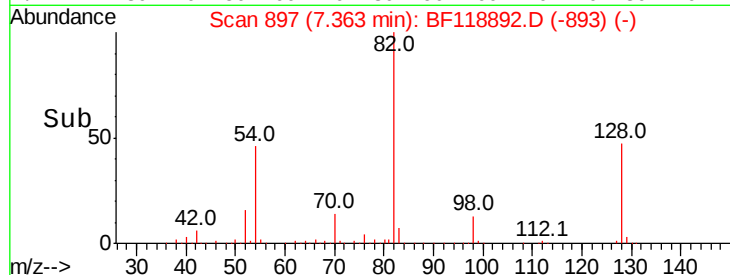
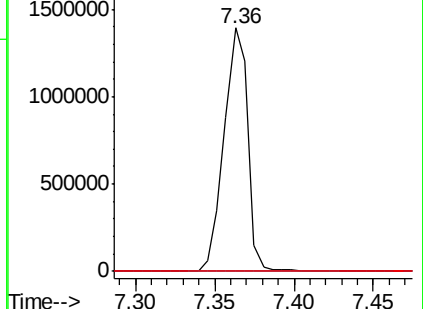
138 0.0 15.7 23.5#



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: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

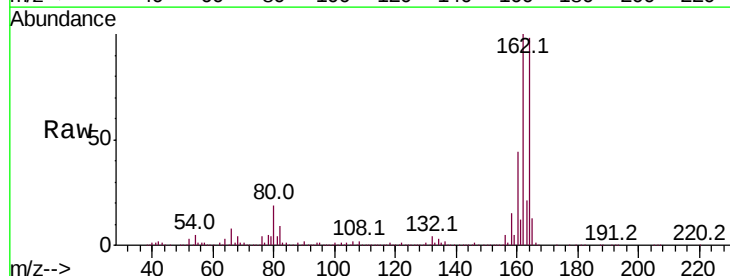
Tgt Ion:164 Resp: 580146

Ion Ratio Lower Upper

164 100

162 102.6 81.4 122.2

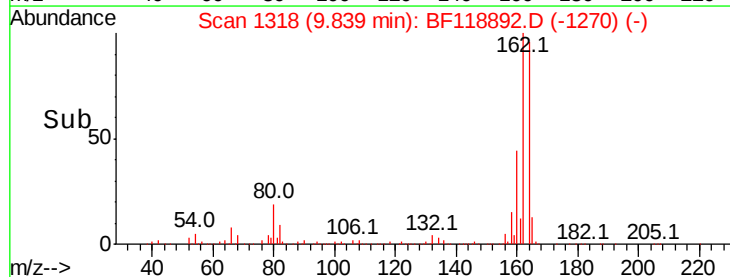
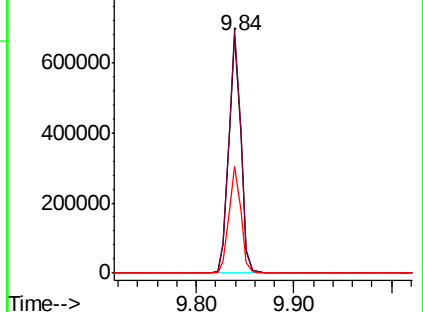
160 45.2 35.6 53.4

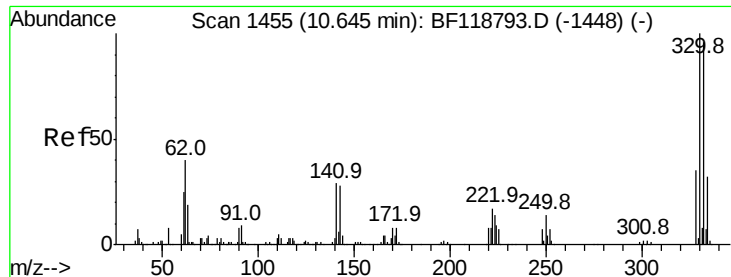


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

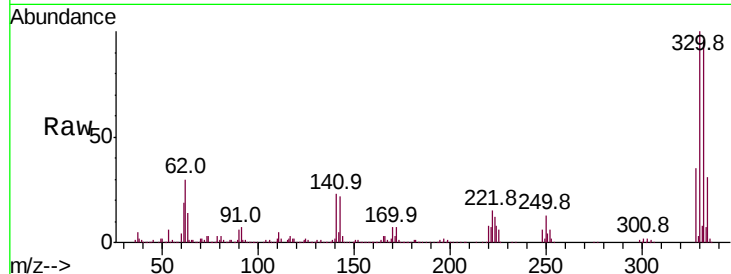




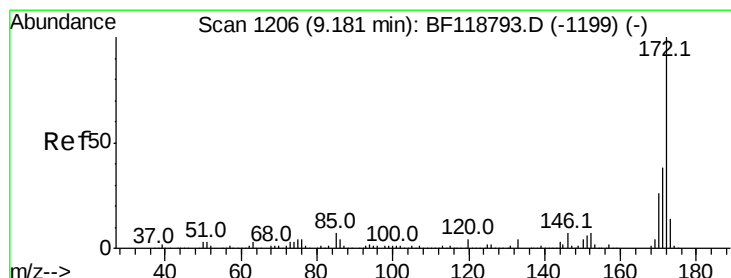
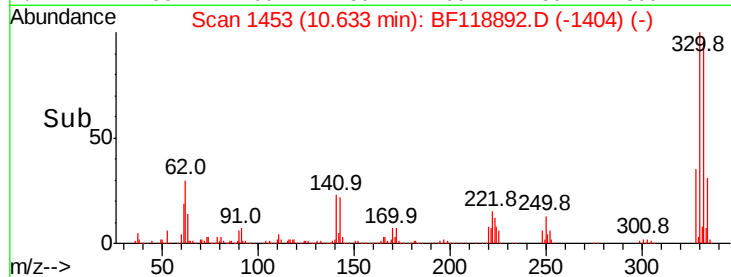
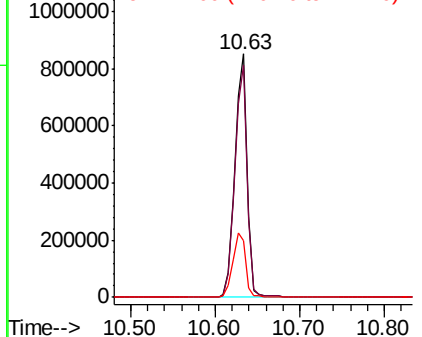
#42
 2,4,6-Tribromophenol
 Concen: 120.432 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118892.D
 Acq: 11 Feb 2020 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	27.7	22.4	33.6

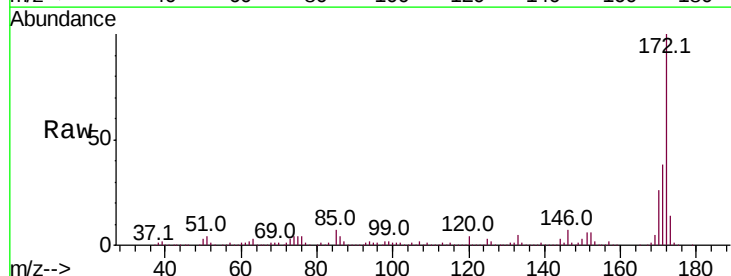


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

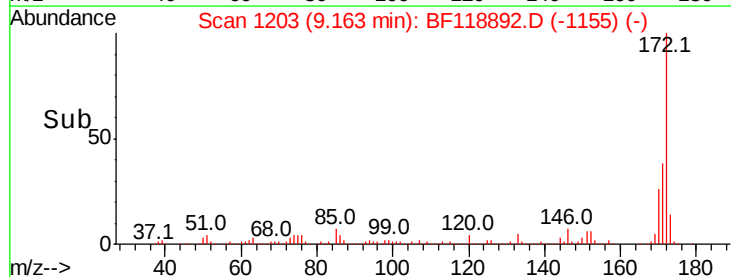
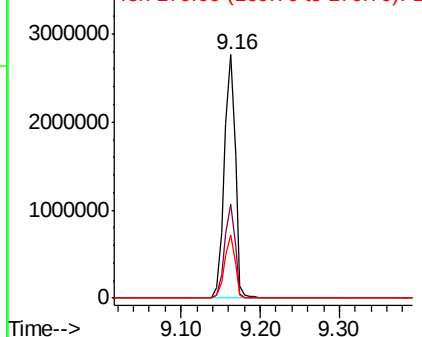


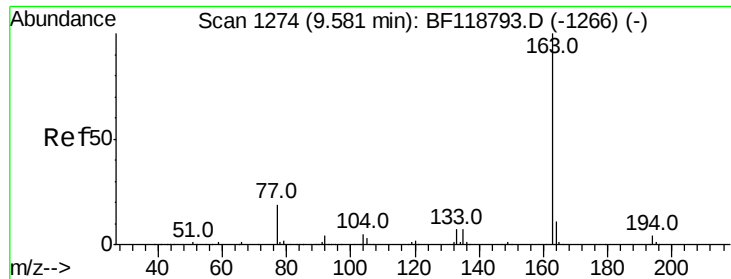
#45
 2-Fluorobiphenyl
 Concen: 81.677 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118892.D
 Acq: 11 Feb 2020 19:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.8	46.2
170	25.9	20.5	30.7



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: 4.118 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.03 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

Instrument :

BNA_F

ClientSampleId :

SP-3

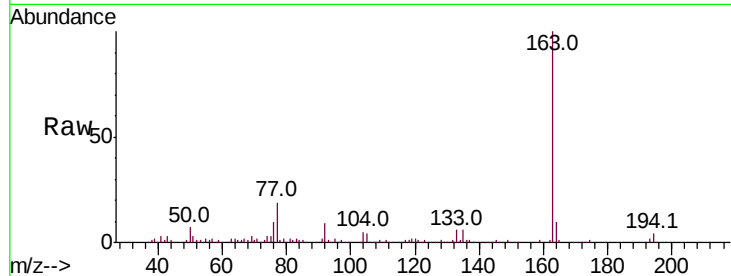
Tot Ion:163 Resp: 162653

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

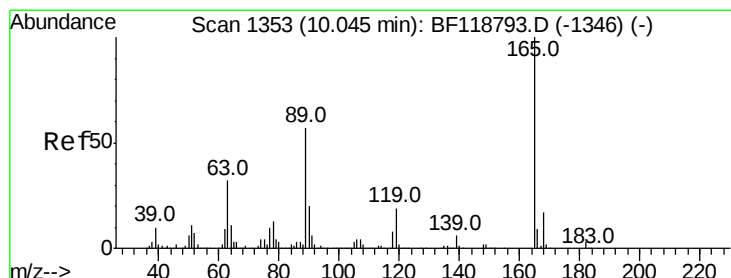
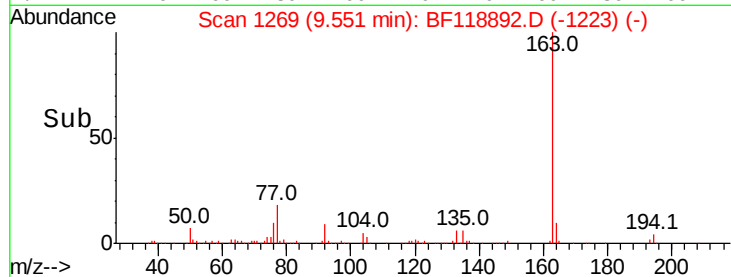
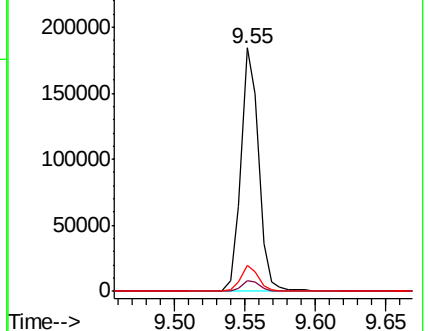
164 10.4 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 6.720 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

Tgt Ion:165 Resp: 80378

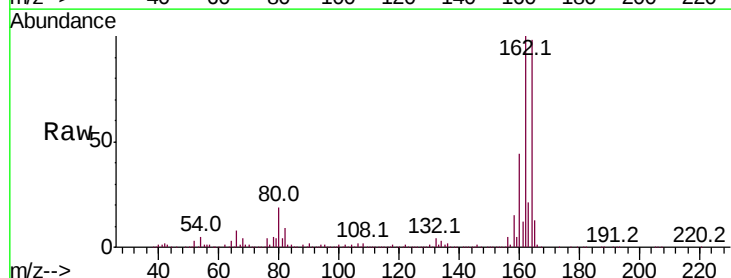
Ion Ratio Lower Upper

165 100

63 1.2 25.5 38.3#

89 1.3 45.4 68.0#

182 0.5 2.4 3.6#

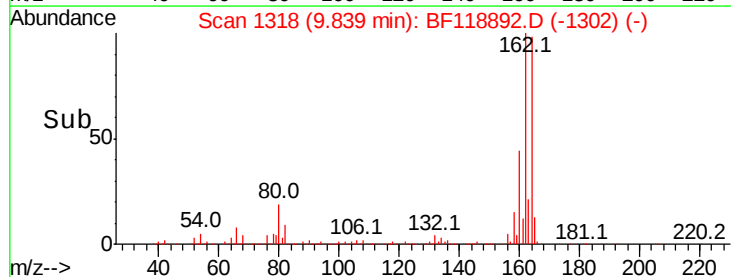
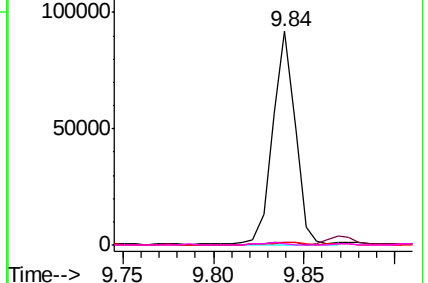


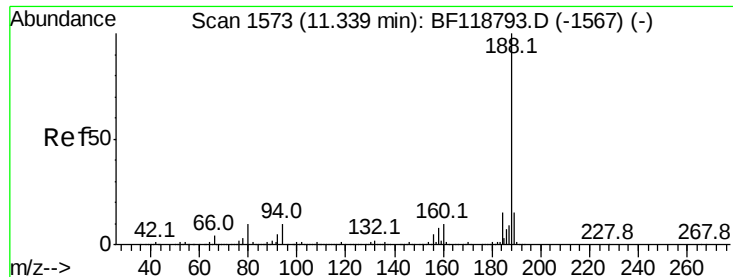
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

Instrument :

BNA_F

ClientSampleId :

SP-3

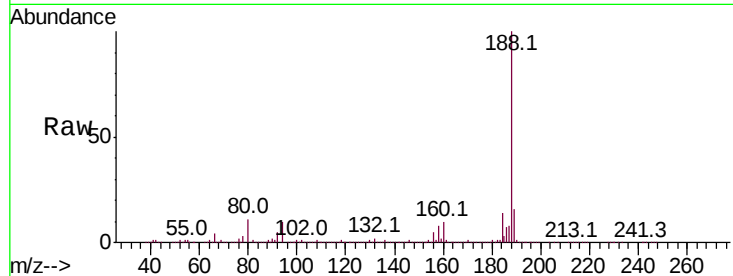
Tot Ion:188 Resp: 849753

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

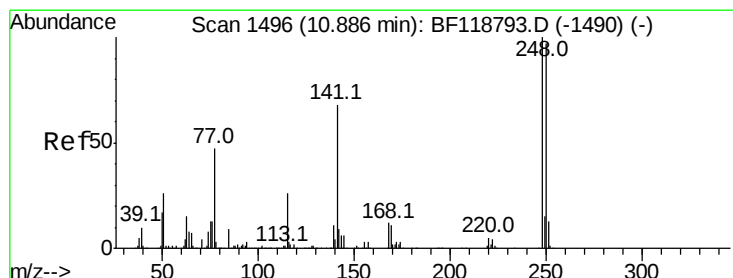
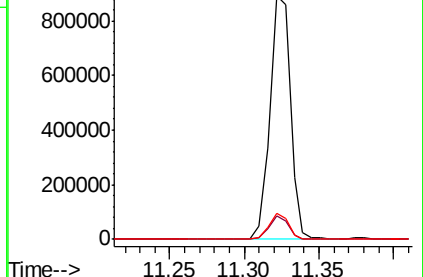
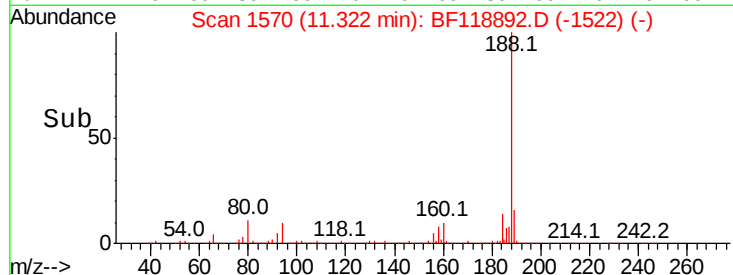
80 10.6 8.4 12.6



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: 5.436 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

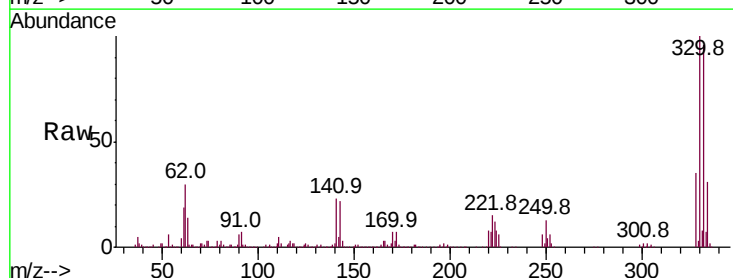
Tgt Ion:248 Resp: 54640

Ion Ratio Lower Upper

248 100

250 203.1 77.6 116.4#

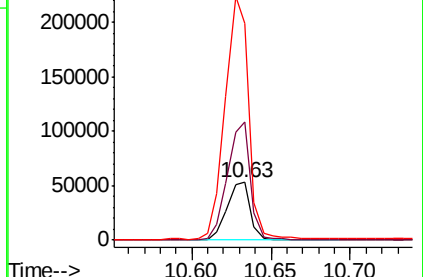
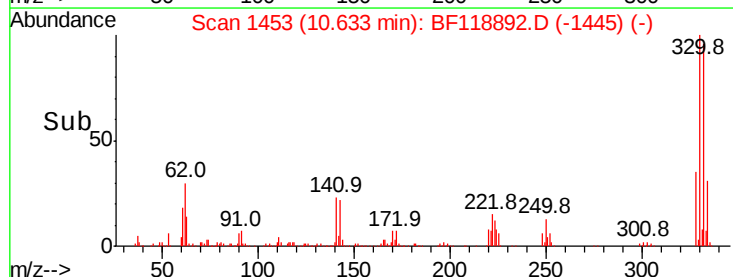
141 375.2 54.4 81.6#

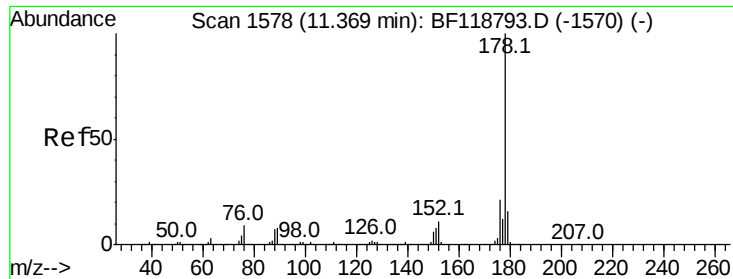


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

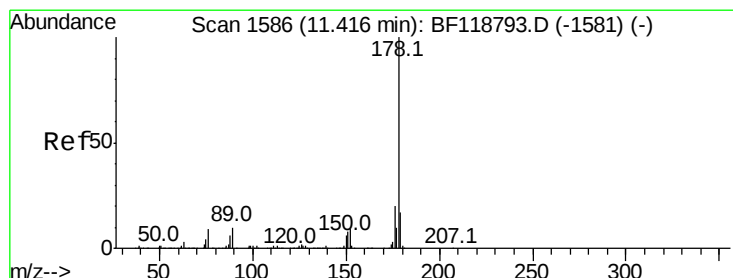
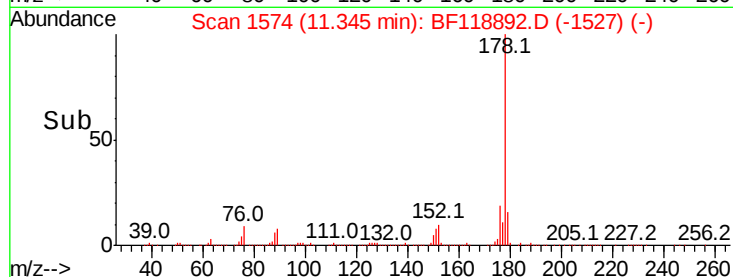
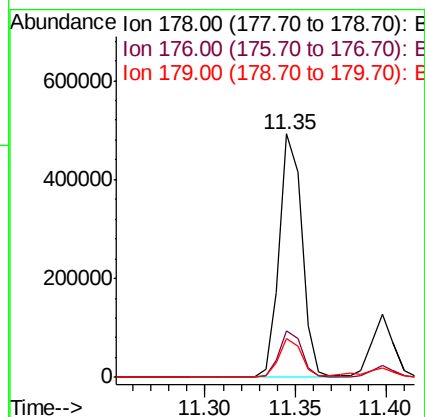
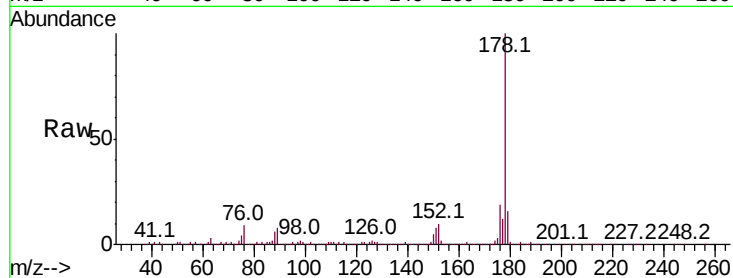




#71
Phenanthrene
Concen: 10.281 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

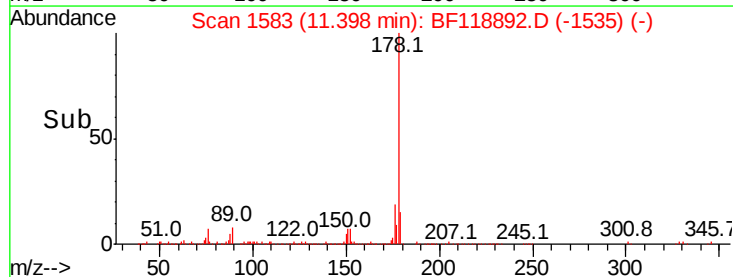
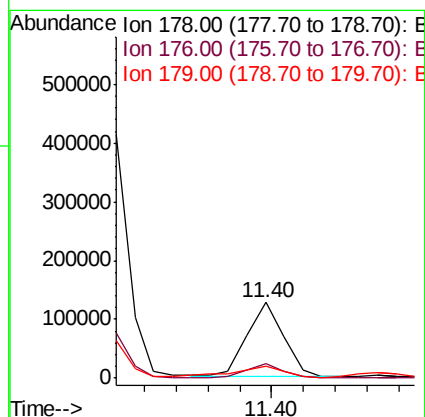
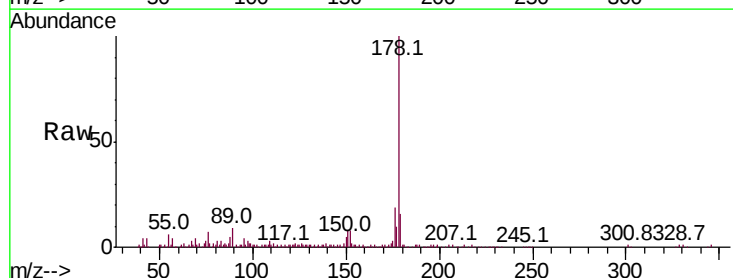
Instrument :
BNA_F
ClientSampleId :
SP-3

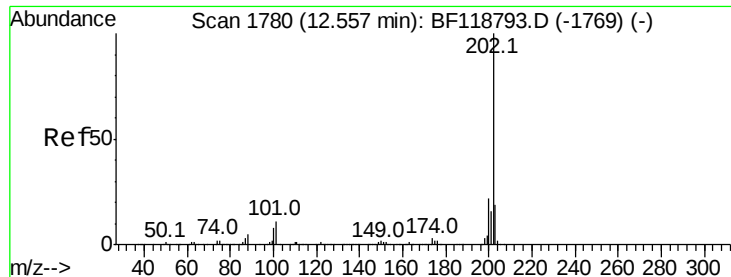
Tot Ion:178 Resp: 429841
Ion Ratio Lower Upper
178 100
176 19.1 16.6 24.8
179 15.8 13.2 19.8



#72
Anthracene
Concen: 2.475 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

Tgt Ion:178 Resp: 102955
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 15.5 13.4 20.2





#75

Fluoranthene

Concen: 13.415 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

Instrument :

BNA_F

ClientSampleId :

SP-3

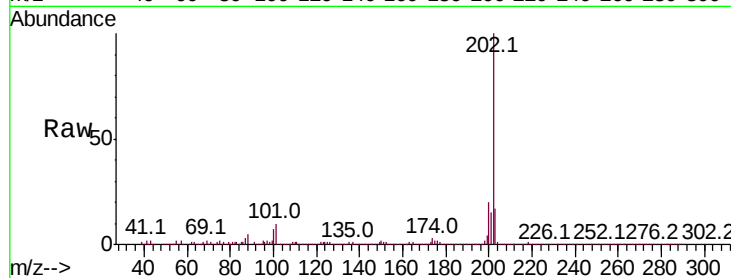
Tot Ion:202 Resp: 612384

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.0

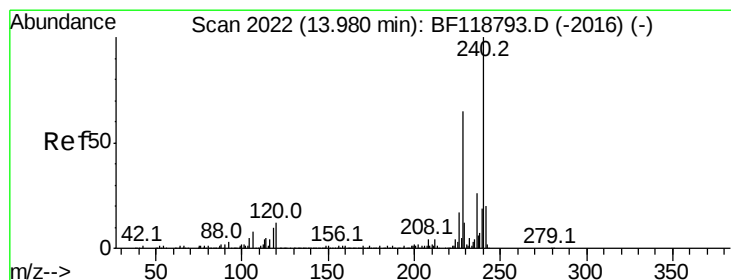
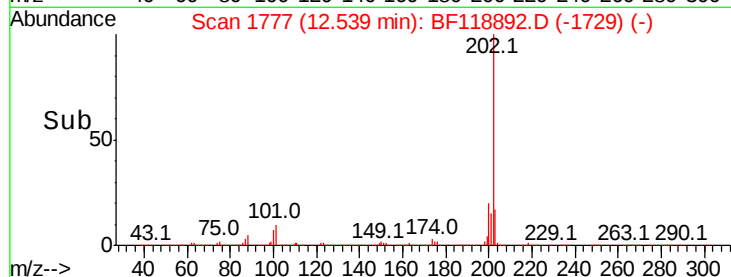
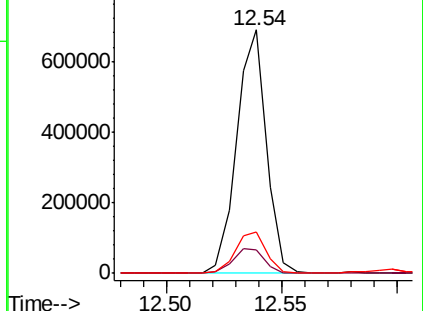
203 17.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF118892.D

Acq: 11 Feb 2020 19:07

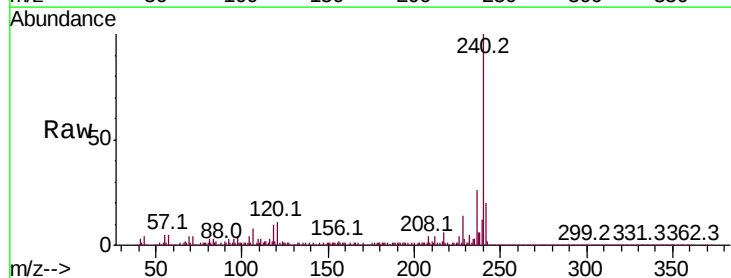
Tgt Ion:240 Resp: 626499

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.0

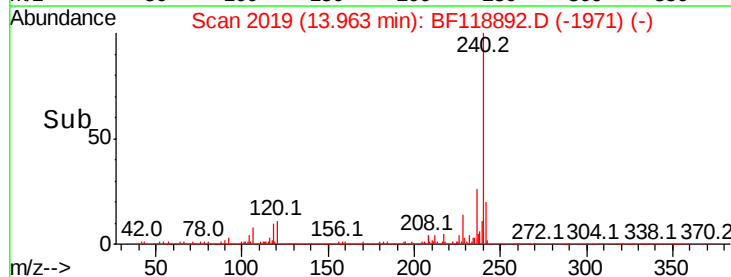
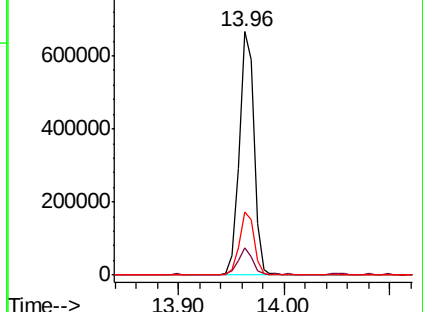
236 25.7 21.0 31.6

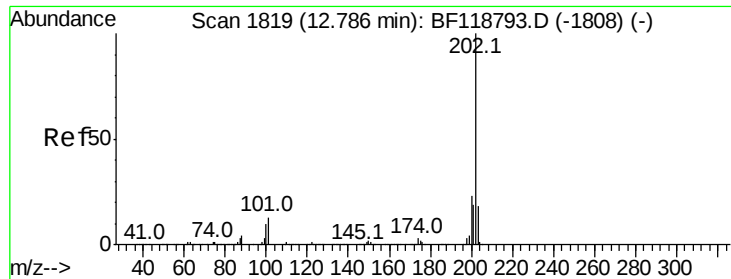


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

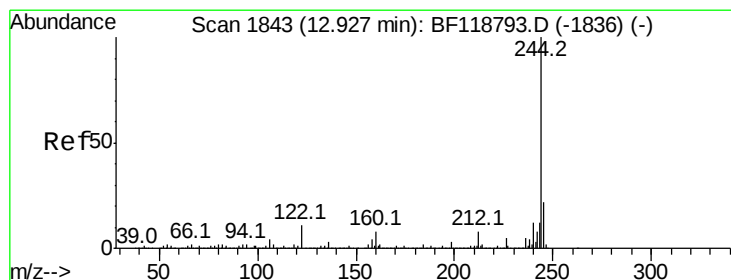
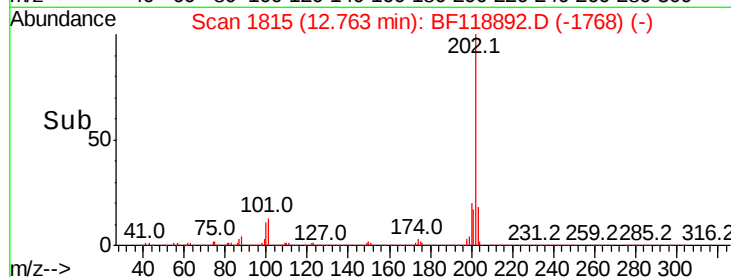
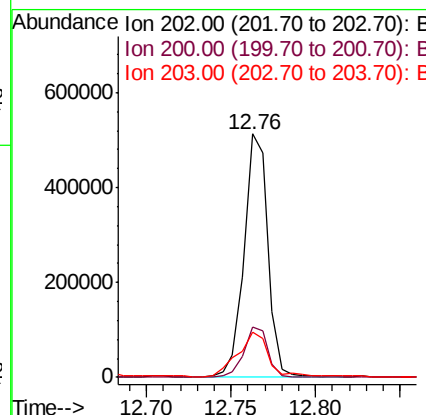
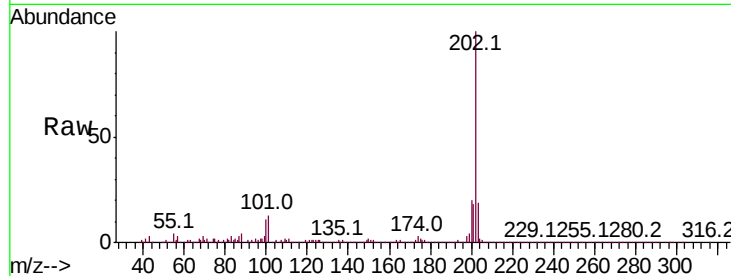




#78
Pvrene
Concen: 11.538 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

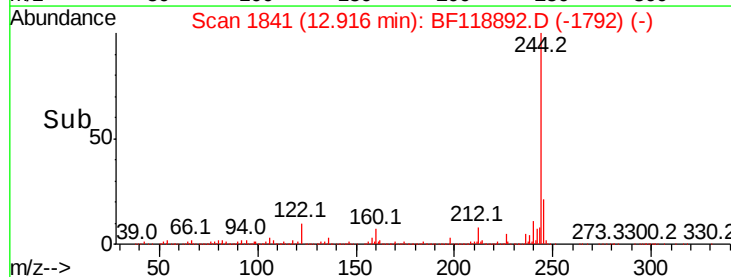
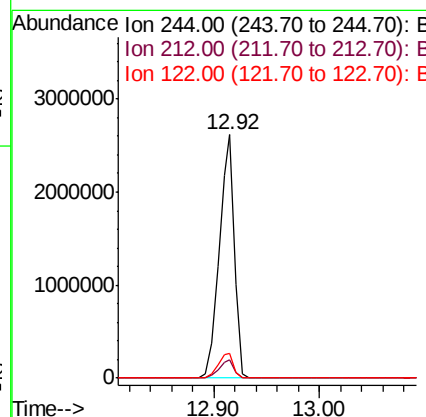
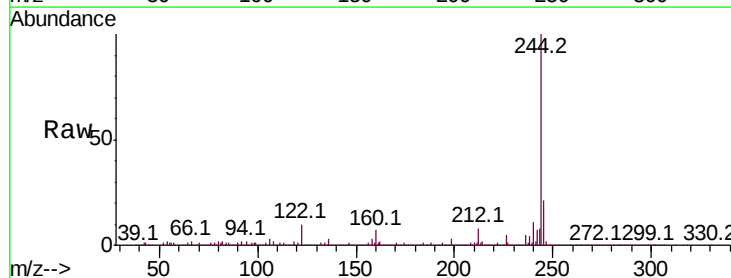
Instrument :
BNA_F
ClientSampleId :
SP-3

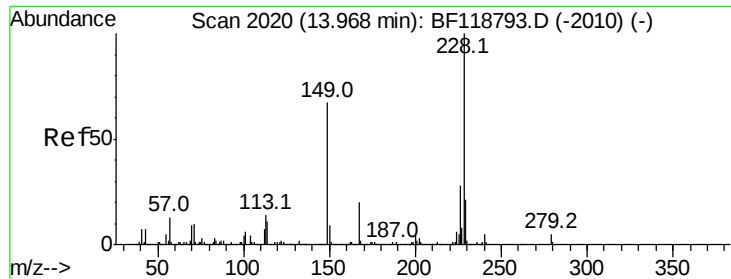
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.2	27.2
203	18.5	14.8	22.2



#79
Terphenyl-d14
Concen: 86.827 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	9.9	8.9	13.3

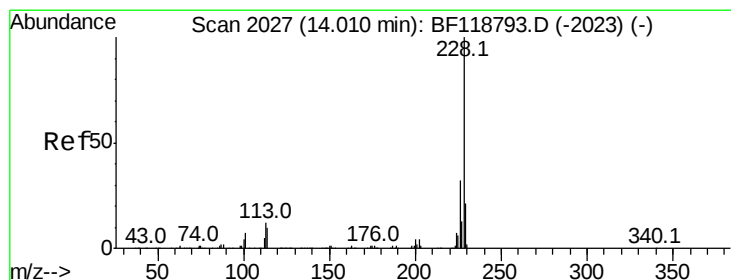
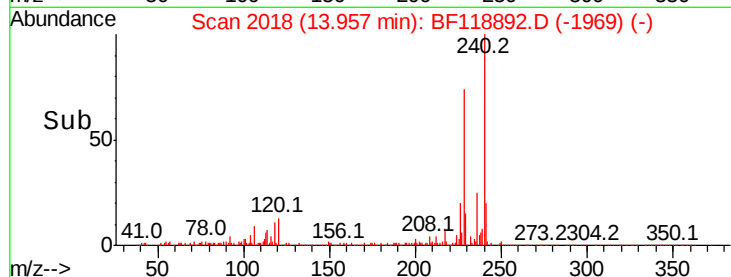
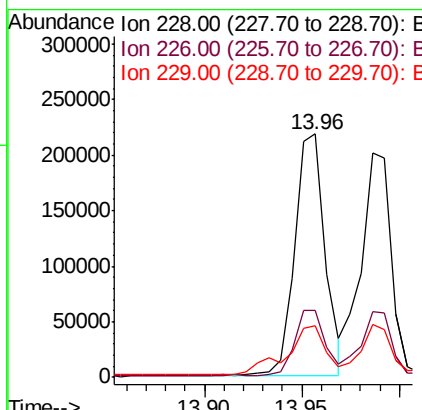
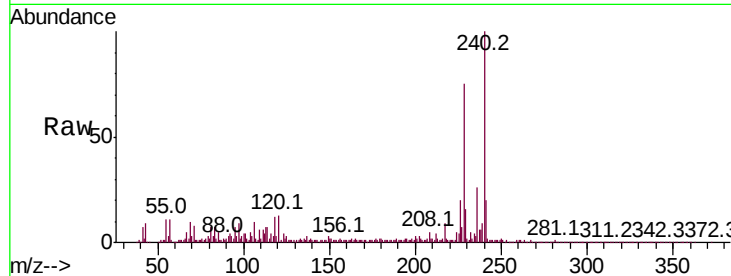




#81
Benzo(a)anthracene
Concen: 6.314 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

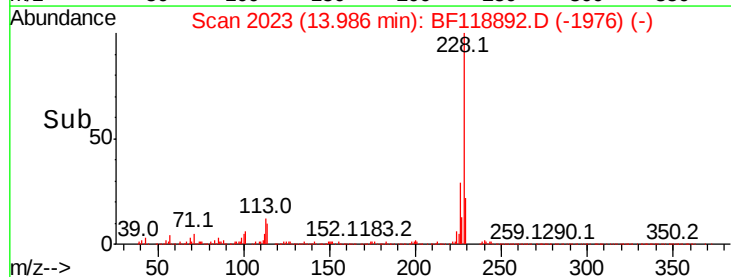
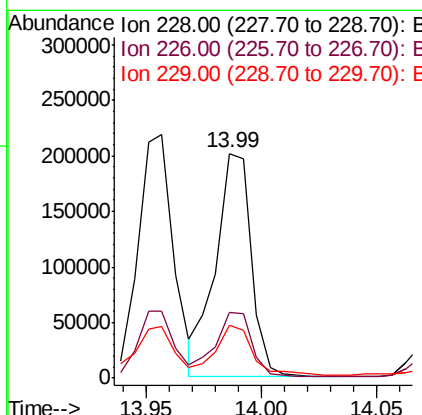
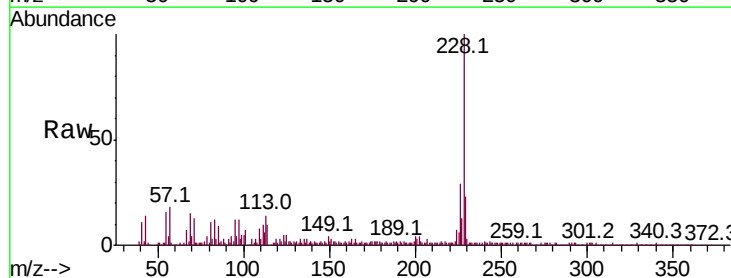
Instrument :
BNA_F
ClientSampled :
SP-3

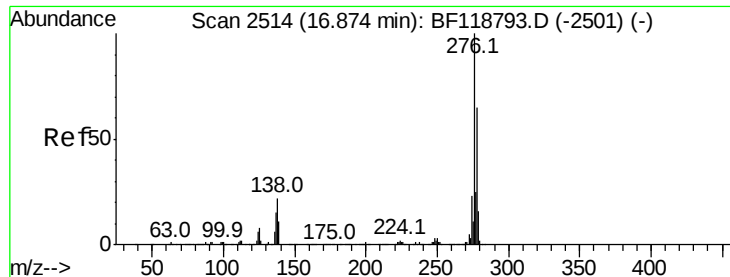
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.7	34.1
229	21.3	16.6	25.0



#83
Chrysene
Concen: 5.804 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.4	38.0
229	23.4	16.9	25.3

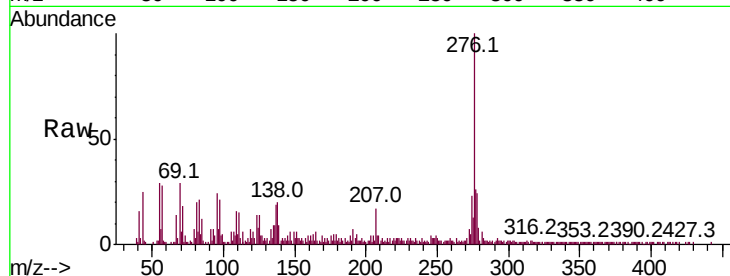




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.181 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

Instrument :
BNA_F
ClientSampleId :
SP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	18.3	27.5
277	24.1	20.2	30.4

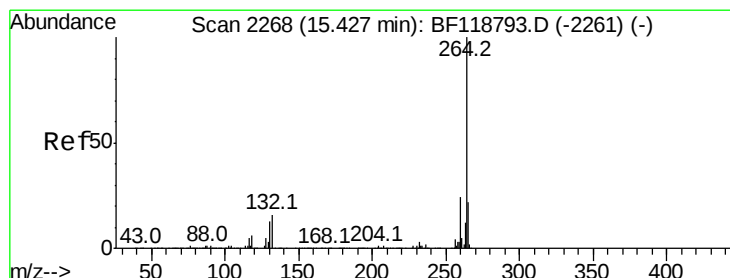
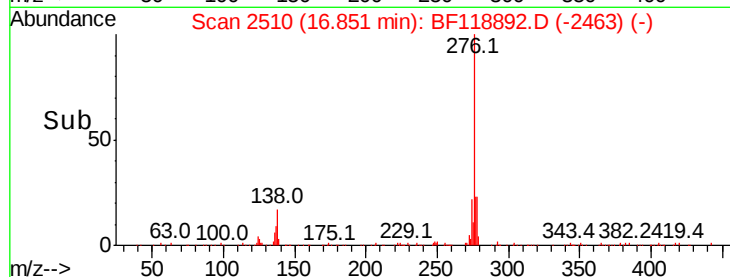
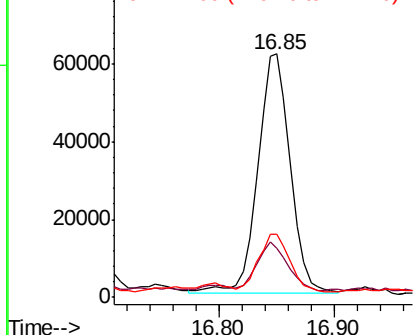


Abundance

Ion 276.00 (275.70 to 276.70): E

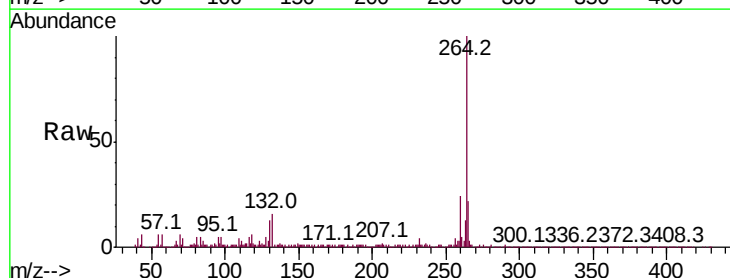
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.1	28.7
265	21.9	17.2	25.8

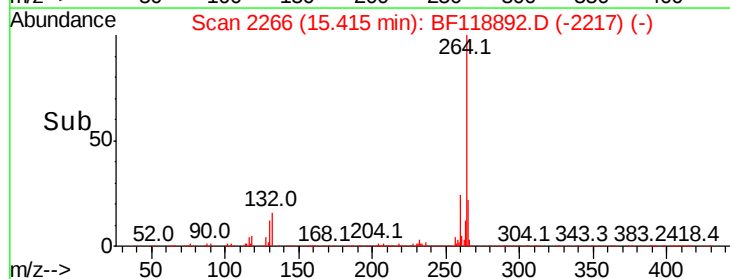
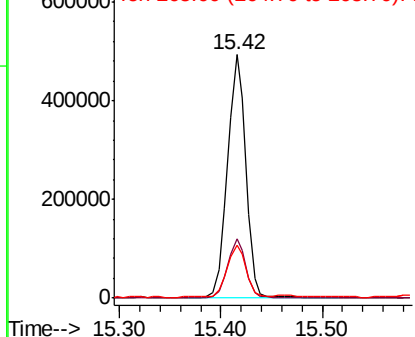


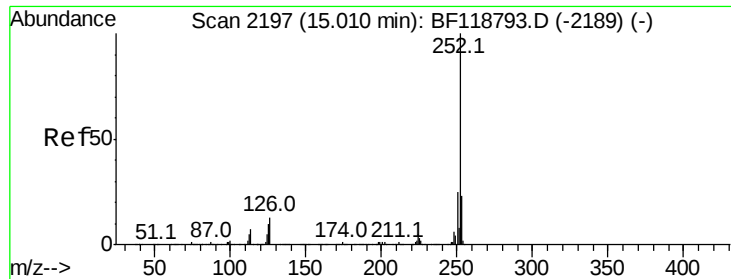
Abundance

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

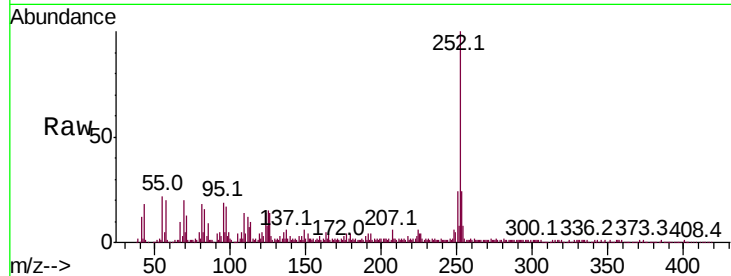




#88
Benzo(b)fluoranthene
Concen: 9.235 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

Instrument :
BNA_F
ClientSampled :
SP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	15.4	8.1	12.1

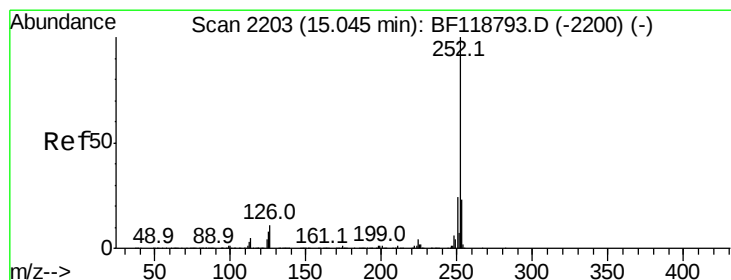
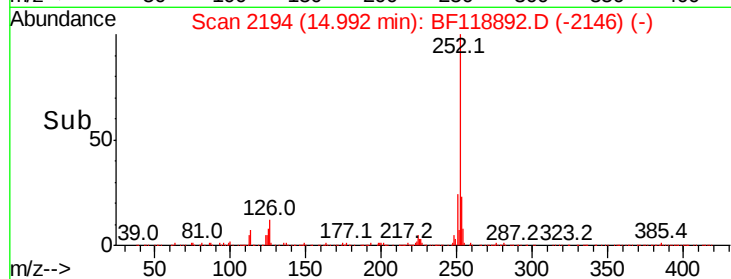
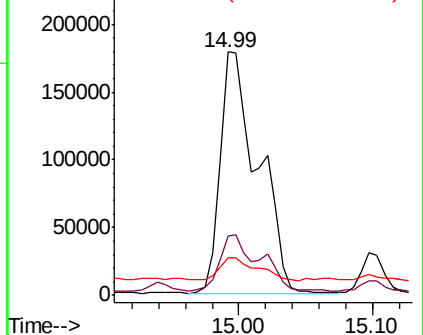


Abundance

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: 10.605 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

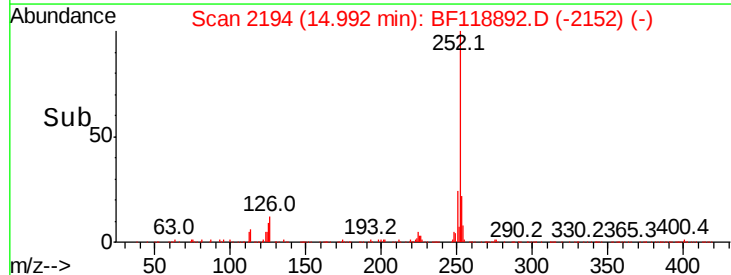
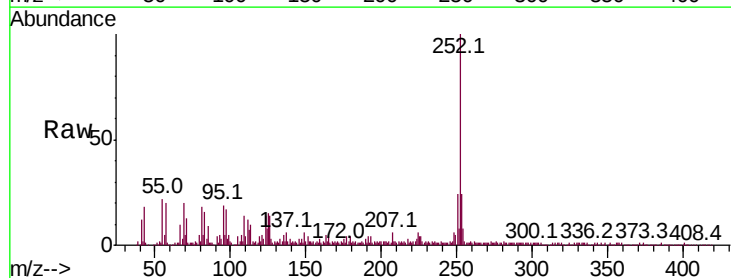
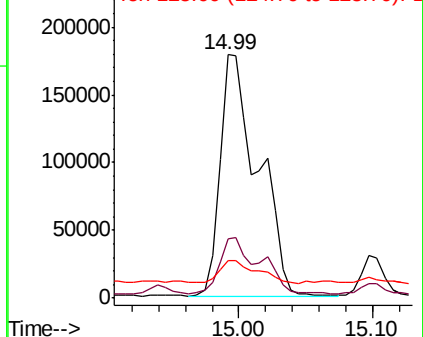
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	15.4	7.0	10.6

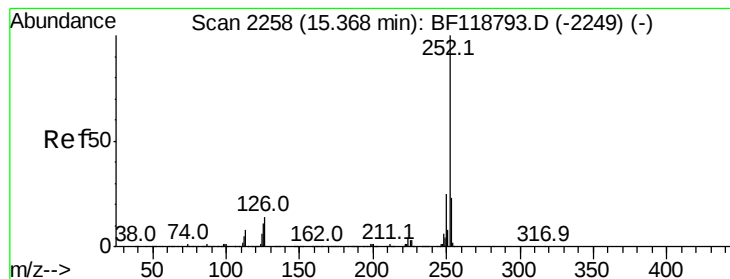
Abundance

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

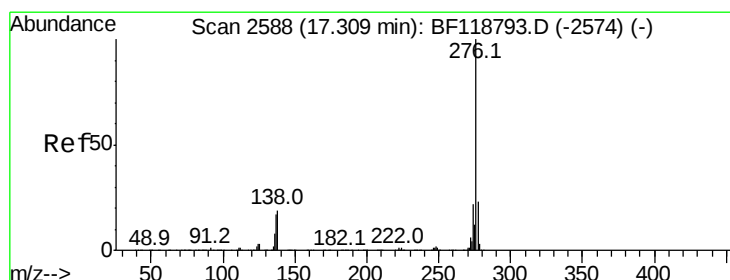
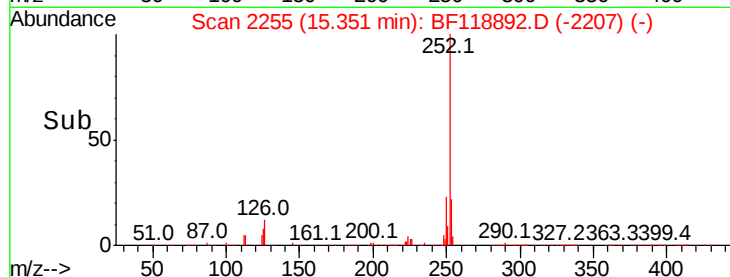
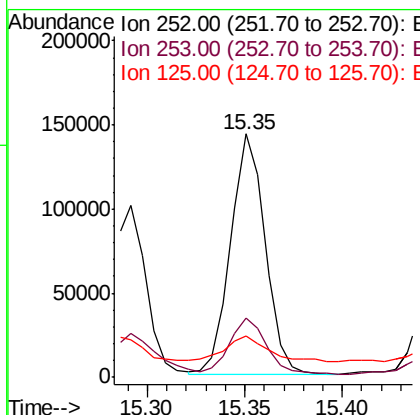
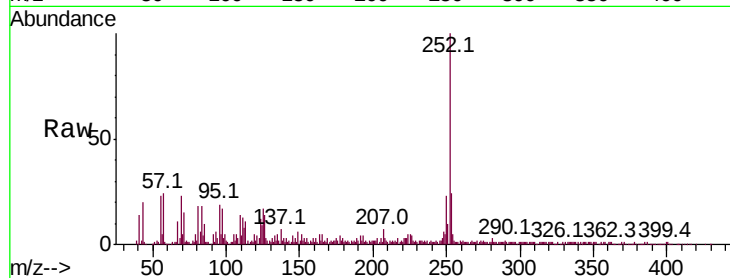




#90
Benzo(a)pyrene
Concen: 5.383 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

Instrument :
BNA_F
ClientSampleId :
SP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	17.1	8.7	13.1



#92
Benzo(g,h,i)perylene
Concen: 3.994 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.03 min
Lab File: BF118892.D
Acq: 11 Feb 2020 19:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.7	28.1
138	22.6	15.4	23.2

