

Data File : BF118445.D
Acq On : 2 Jan 2020 19:47
Operator : JU
Sample : K6465-05RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-9-(8-10)

Quant Time: Jan 03 02:11:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	125422	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	488307	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	249861	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	421206	20.00	ng	0.00
76) Chrysene-d12	14.04	240	277868	20.00	ng	0.00
87) Perylene-d12	15.53	264	280196	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	644505	87.72	ng	0.00
7) Phenol-d6	6.49	99	830346	91.10	ng	0.00
23) Nitrobenzene-d5	7.41	82	479137	56.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	233798	75.77	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	939828	57.42	ng	-0.01
79) Terphenyl-d14	12.97	244	850114	50.76	ng	-0.01

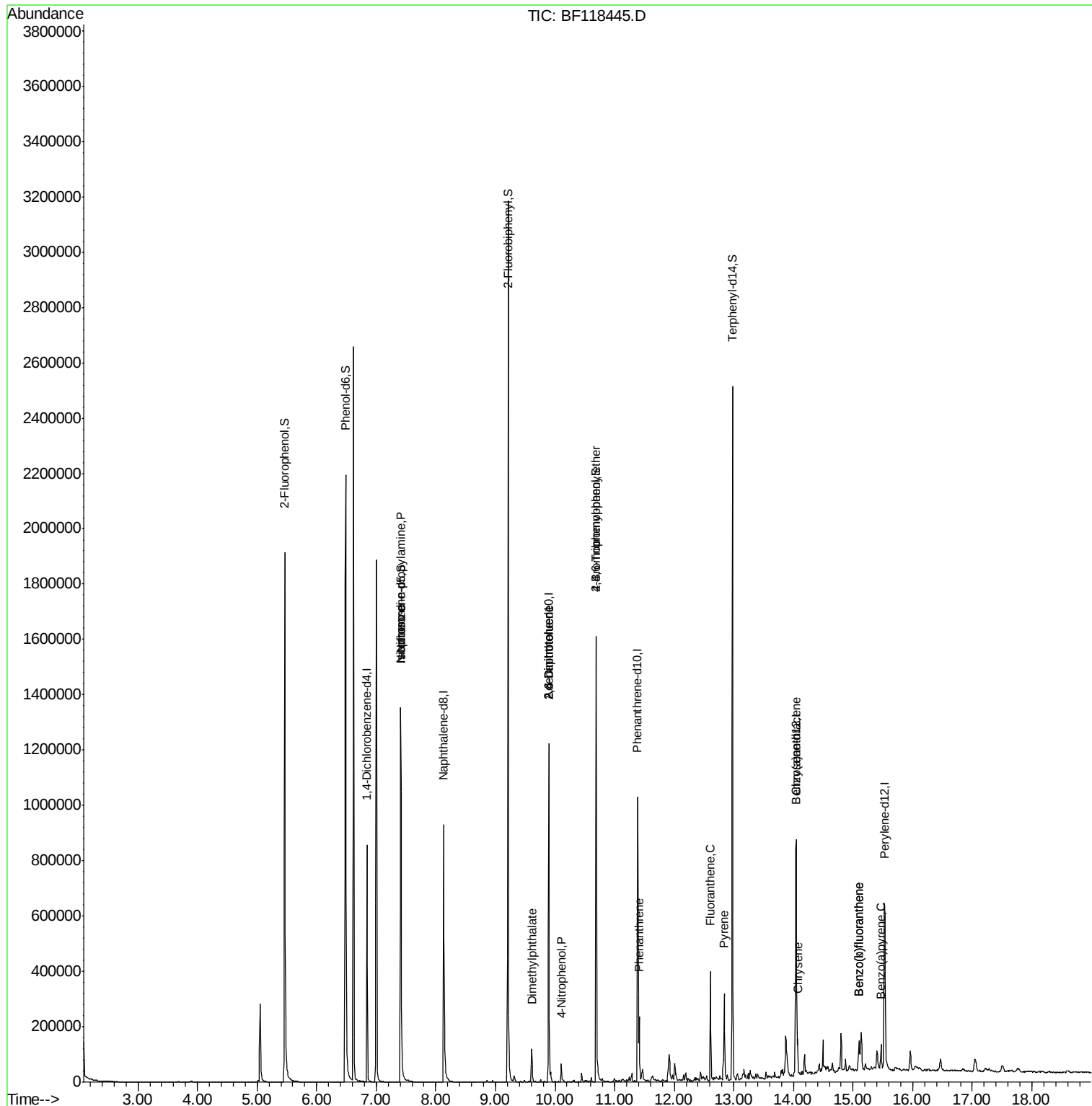
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	64423	11.473	ng	# 77
25) Isophorone	7.41	82	479133	32.202	ng	# 62
50) Dimethylphthalate	9.61	163	60604	3.231	ng	99
51) 2,6-Dinitrotoluene	9.89	165	32560	8.052	ng	# 26
56) 4-Nitrophenol	10.10	139	12820	4.376	ng	# 6
57) 2,4-Dinitrotoluene	9.89	165	32560	6.026	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	14076	2.856	ng	# 1
71) Phenanthrene	11.41	178	82829	3.607	ng	98
75) Fluoranthene	12.61	202	151574	6.541	ng	96
78) Pyrene	12.84	202	125233	5.519	ng	98
81) Benzo(a)anthracene	14.03	228	56814	2.921	ng	96
83) Chrysene	14.07	228	47375	2.544	ng	97
88) Benzo(b)fluoranthene	15.10	252	81403	4.377	ng	# 97
89) Benzo(k)fluoranthene	15.10	252	81403	4.558	ng	98
90) Benzo(a)pyrene	15.47	252	46566	2.842	ng	95

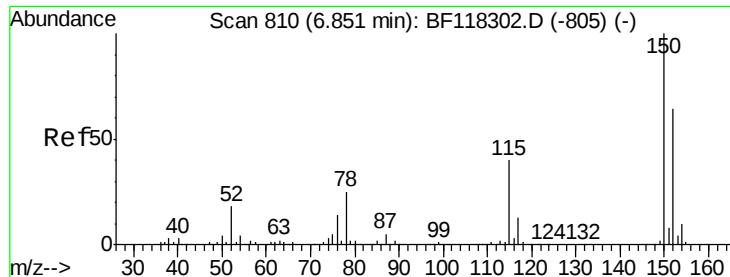
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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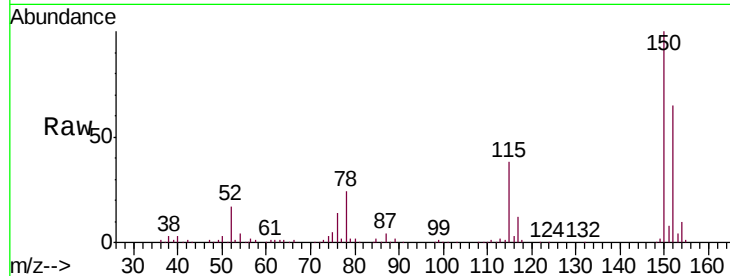


#1

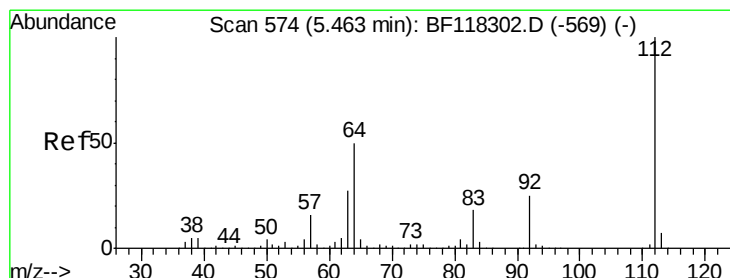
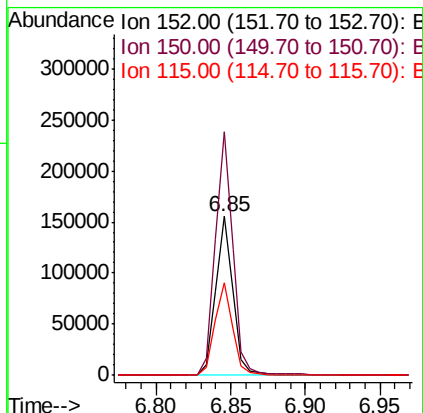
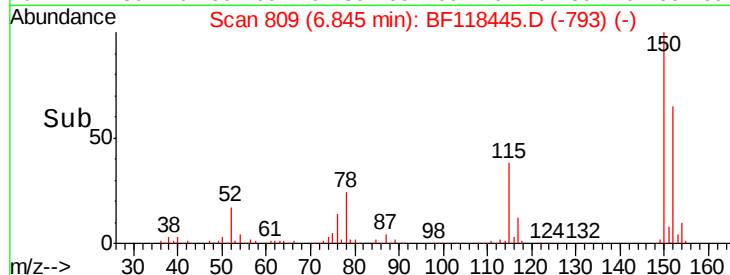
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(8-10)

Tgt Ion:152 Resp: 125422
 Ion Ratio Lower Upper
 152 100
 150 153.4 125.4 188.2
 115 58.3 50.2 75.4



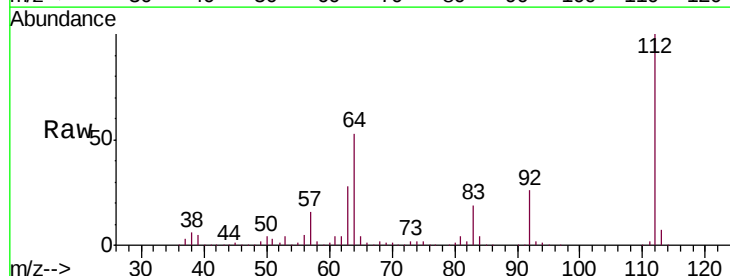
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



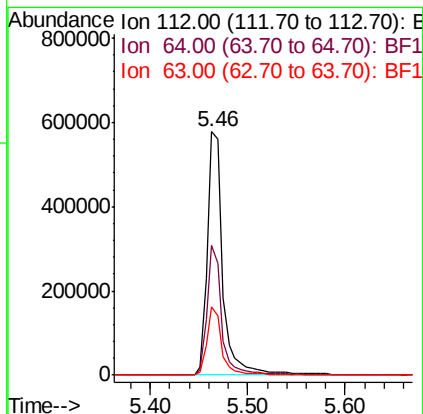
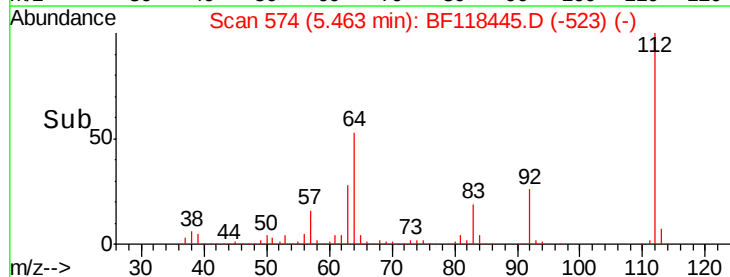
#5

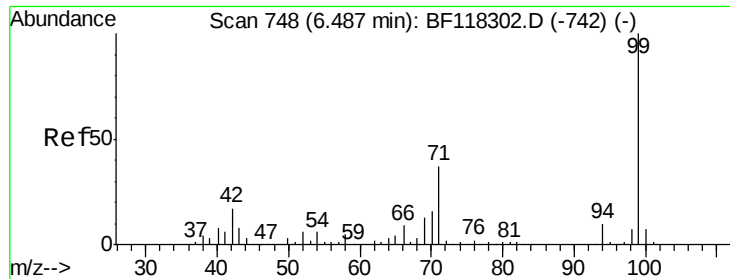
2-Fluorophenol
 Concen: 87.717 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

Tgt Ion:112 Resp: 644505
 Ion Ratio Lower Upper
 112 100
 64 53.4 39.7 59.5
 63 28.3 21.7 32.5



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: 91.098 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

Instrument :

BNA_F

ClientSampleId :

GP-9-(8-10)

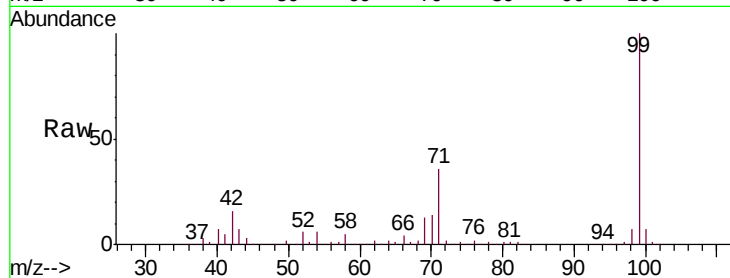
Tgt Ion: 99 Resp: 830346

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

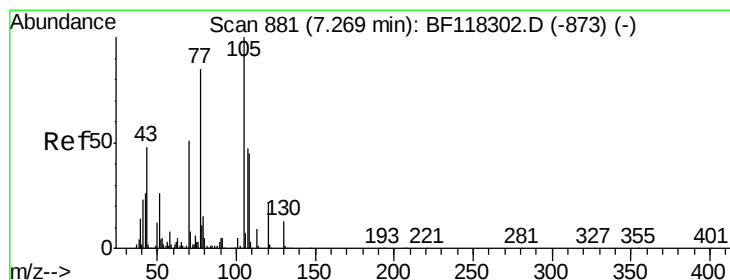
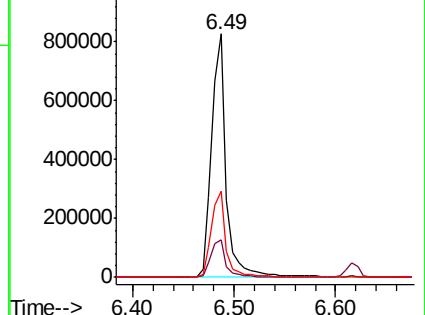
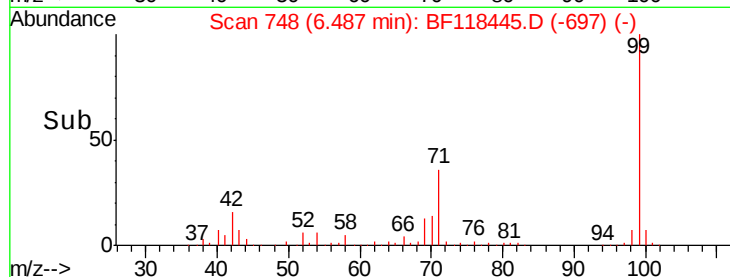
71 35.6 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.473 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

Tgt Ion: 70 Resp: 64423

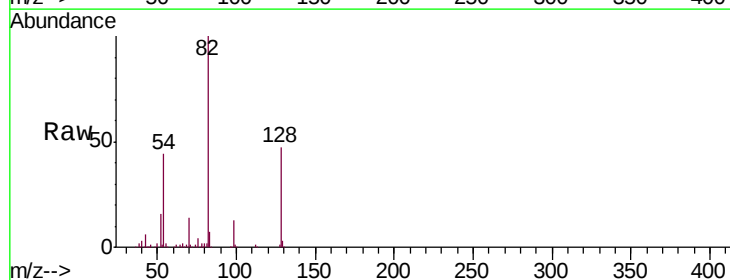
Ion Ratio Lower Upper

70 100

42 43.9 41.1 61.7

101 0.0 8.3 12.5#

130 2.3 20.1 30.1#

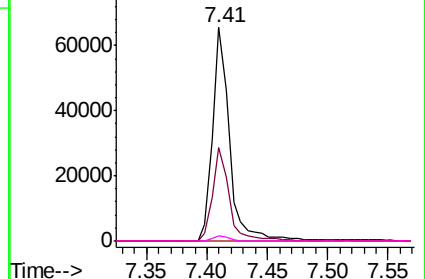
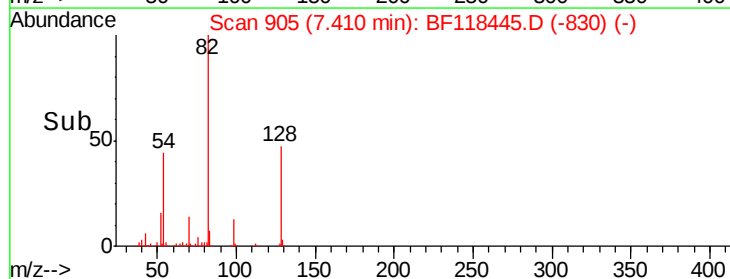


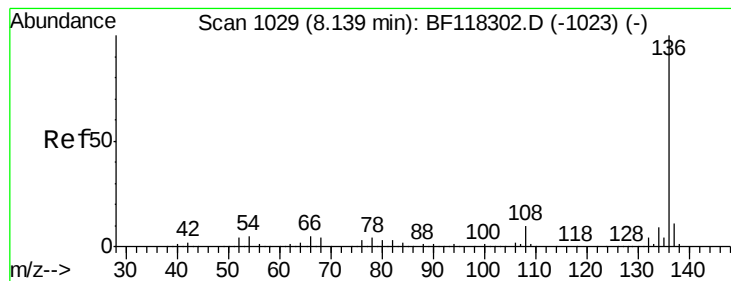
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

Instrument :

BNA_F

ClientSampleId :

GP-9-(8-10)

Tgt Ion: 136 Resp: 488307

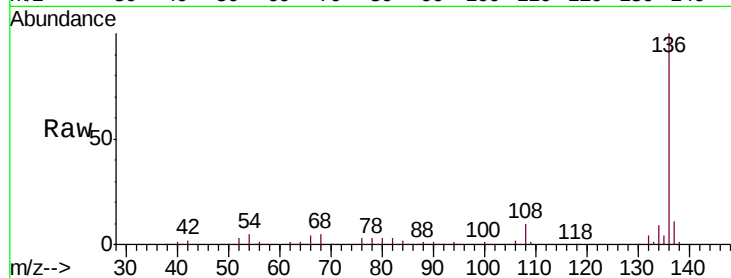
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 5.2 4.2 6.4

68 4.5 3.5 5.3

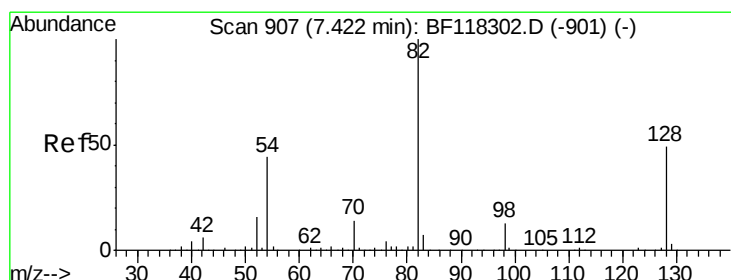
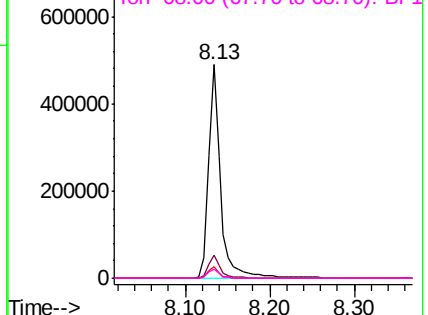
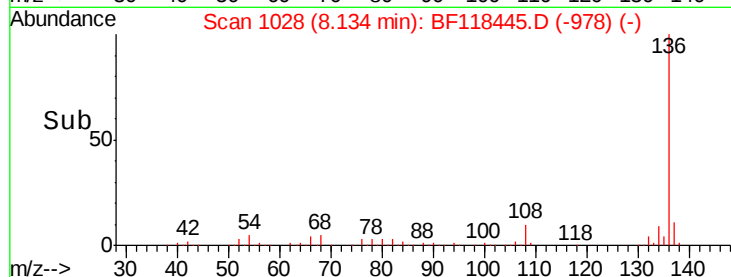


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.121 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

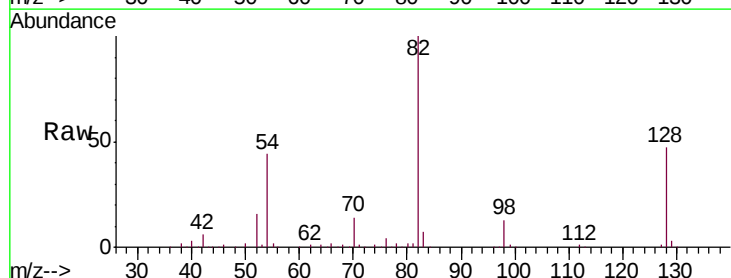
Tgt Ion: 82 Resp: 479137

Ion Ratio Lower Upper

82 100

128 46.6 39.6 59.4

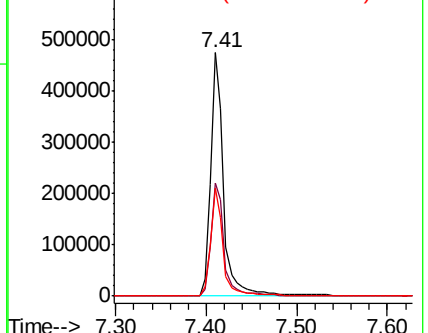
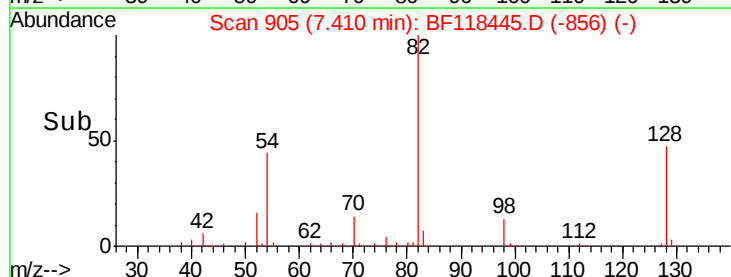
54 44.4 34.9 52.3

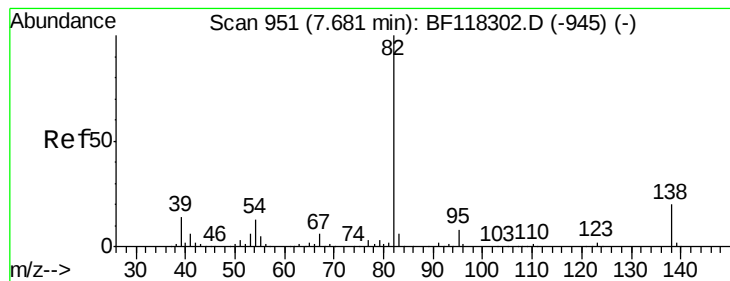


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.202 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

Instrument :

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GP-9-(8-10)

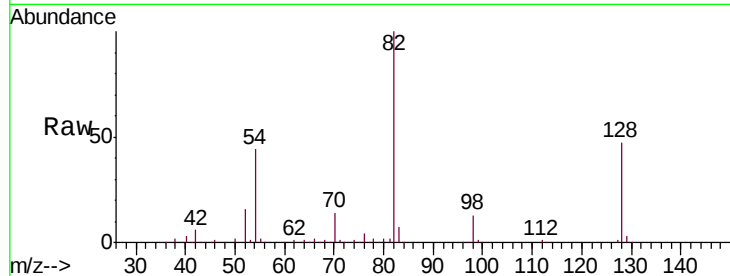
Tgt Ion: 82 Resp: 479133

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

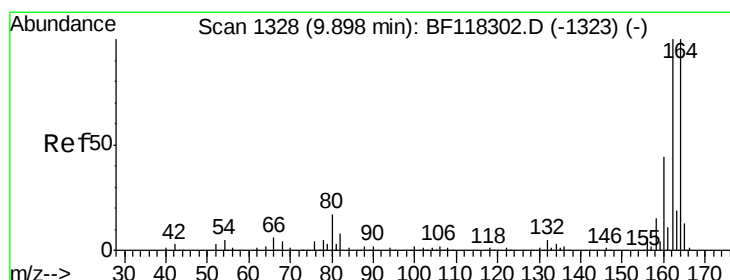
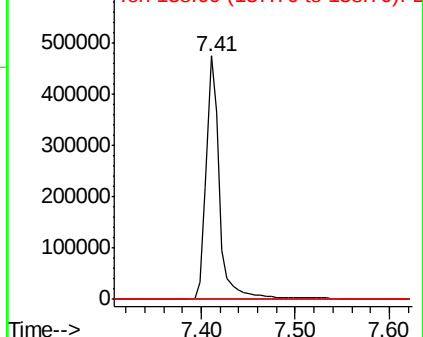
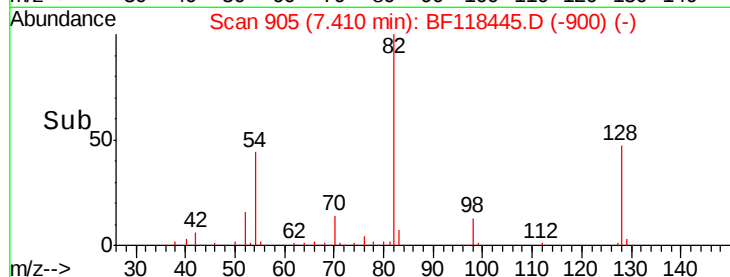
138 0.0 16.2 24.2#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

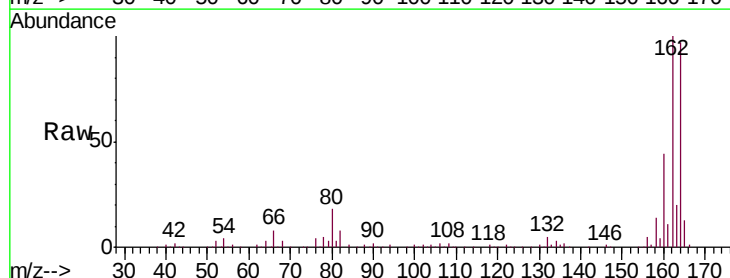
Tgt Ion: 164 Resp: 249861

Ion Ratio Lower Upper

164 100

162 103.5 80.0 120.0

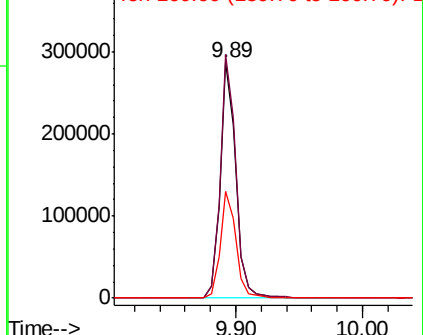
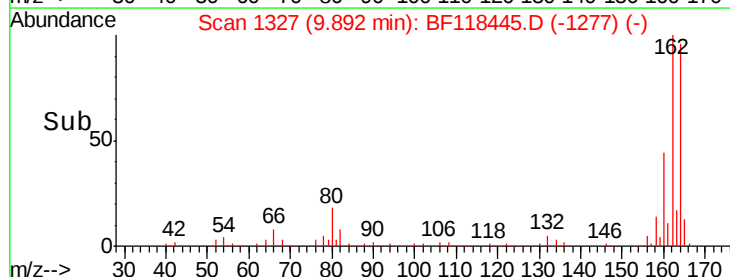
160 45.2 34.8 52.2

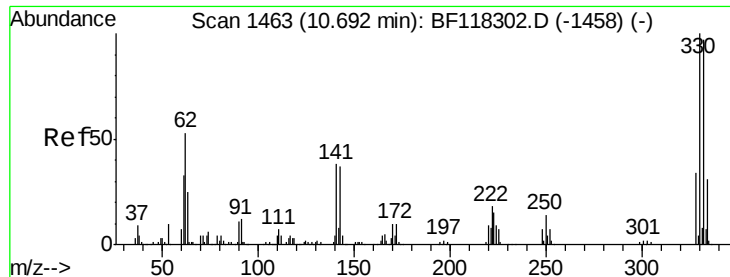


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

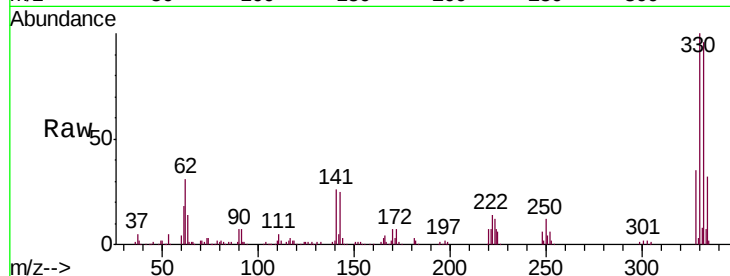




#42
 2,4,6-Tribromophenol
 Concen: 75.771 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(8-10)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	31.7	26.0	39.0

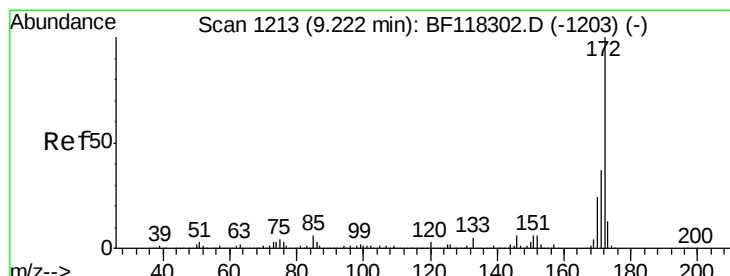
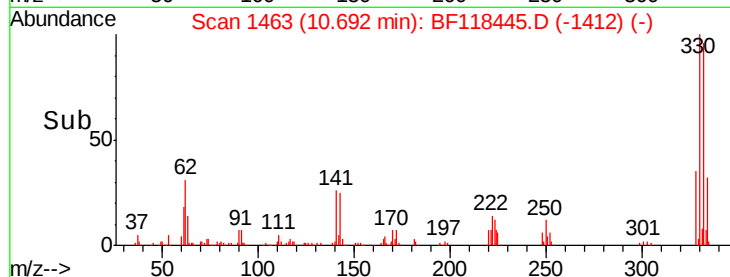
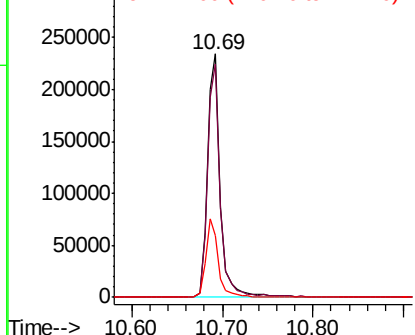


Abundance

Ion 329.80 (329.50 to 330.50): E

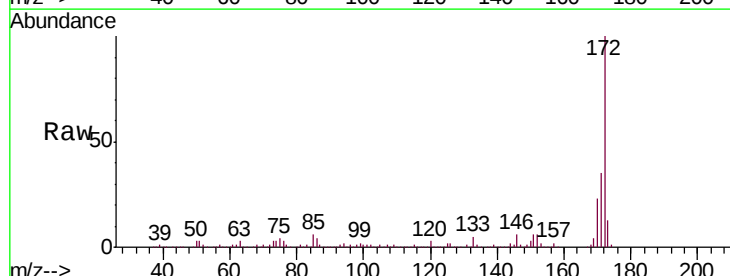
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 57.417 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.3	43.9
170	23.3	19.2	28.8

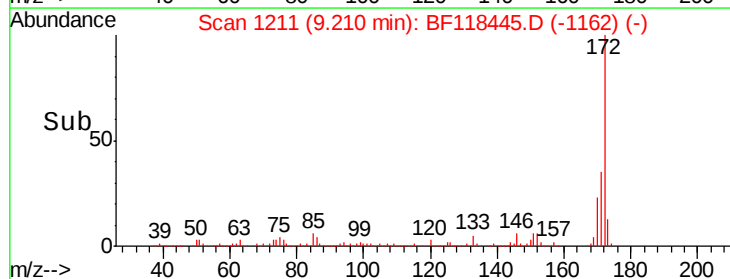
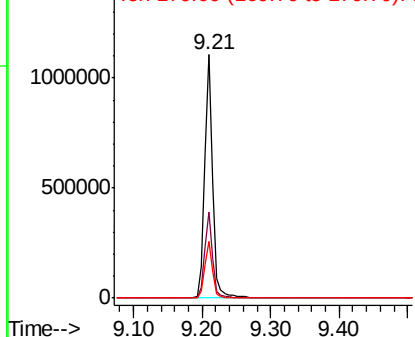


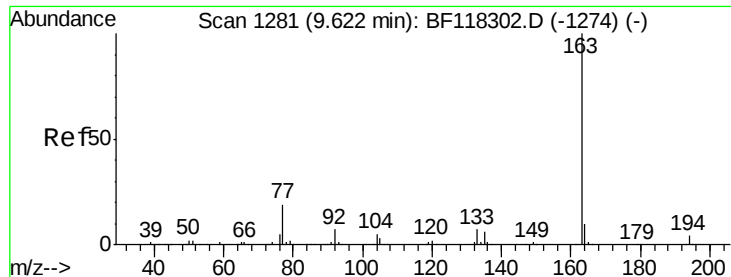
Abundance

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

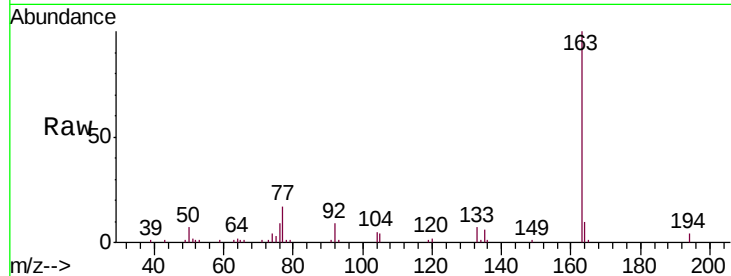




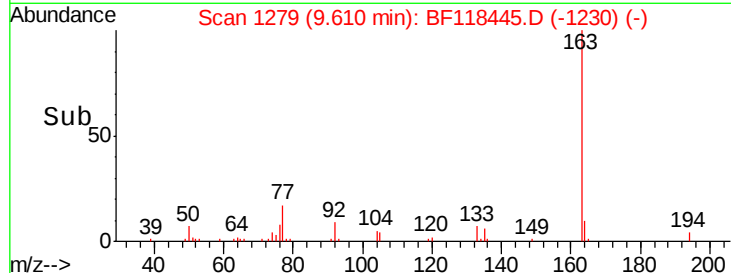
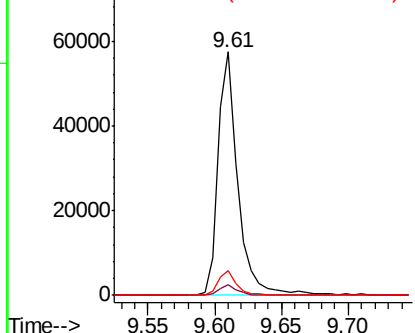
#50
Dimethylphthalate
Concen: 3.231 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118445.D
Acq: 2 Jan 2020 19:47

Instrument :
BNA_F
ClientSampleId :
GP-9-(8-10)

Tgt Ion:163 Resp: 60604
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 10.4 7.9 11.9

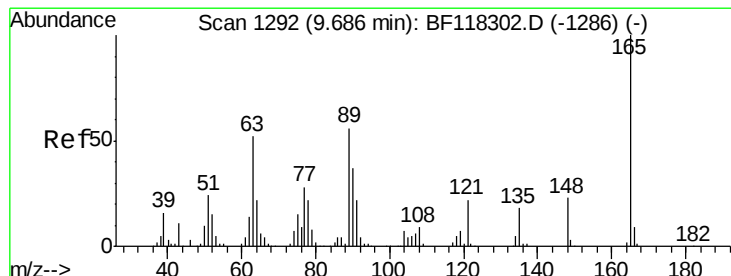


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

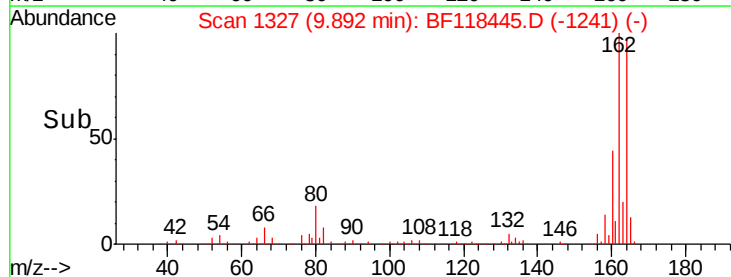
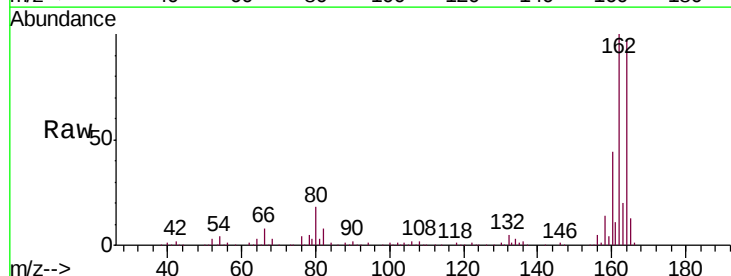
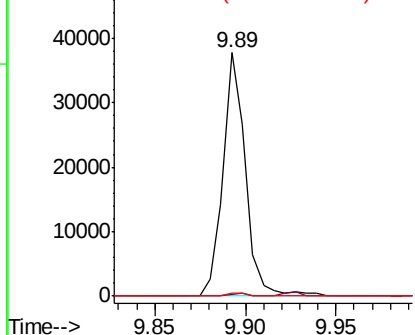


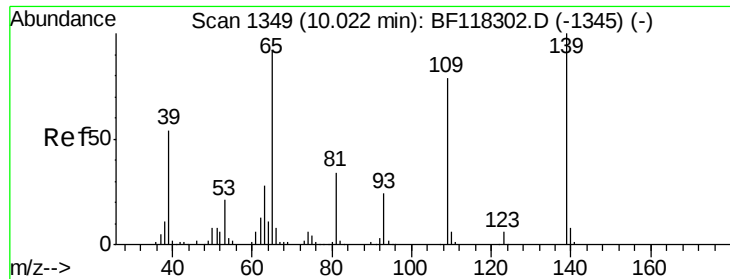
#51
2,6-Dinitrotoluene
Concen: 8.052 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF118445.D
Acq: 2 Jan 2020 19:47

Tgt Ion:165 Resp: 32560
Ion Ratio Lower Upper
165 100
63 0.9 42.2 63.4#
89 1.1 44.4 66.6#



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

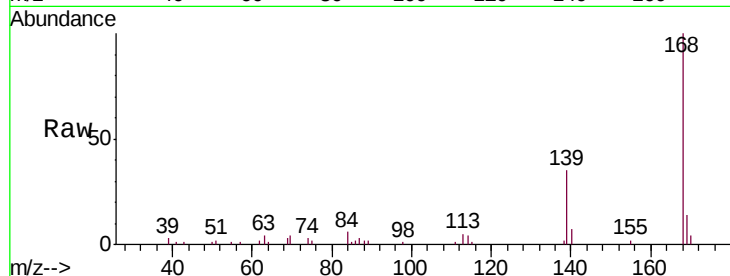




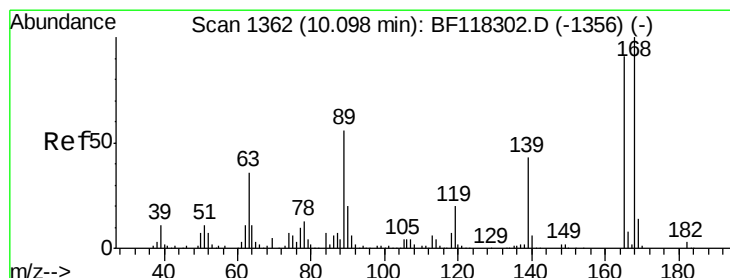
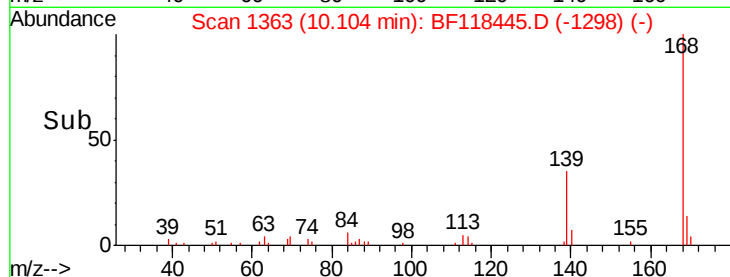
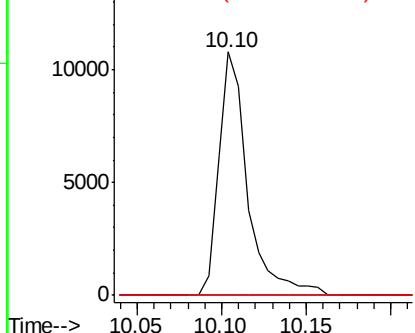
#56
4-Nitrophenol
Concen: 4.376 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF118445.D
Acq: 2 Jan 2020 19:47

Instrument :
BNA_F
ClientSampleId :
GP-9-(8-10)

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	59.3	99.3#
65	0.0	72.4	112.4#



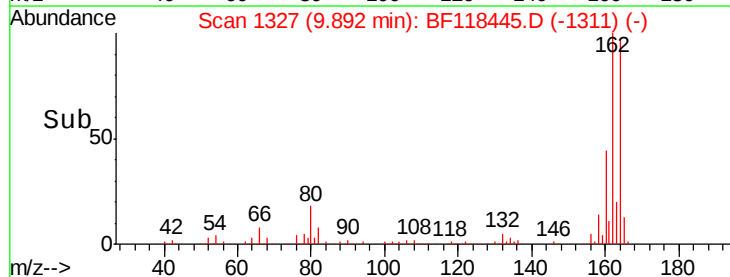
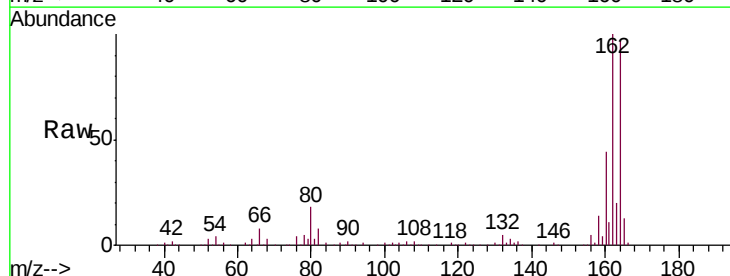
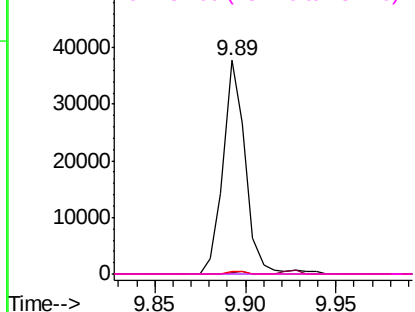
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

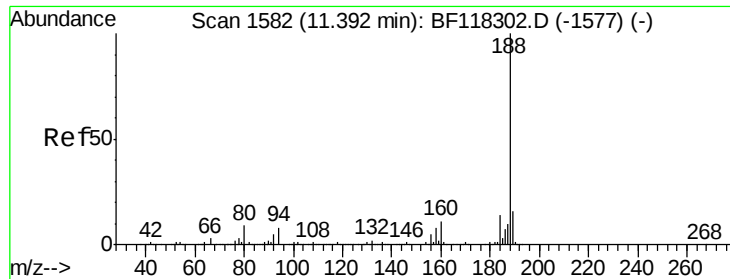


#57
2,4-Dinitrotoluene
Concen: 6.026 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.21 min
Lab File: BF118445.D
Acq: 2 Jan 2020 19:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	32.0	48.0#
89	1.1	49.3	73.9#
182	0.0	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

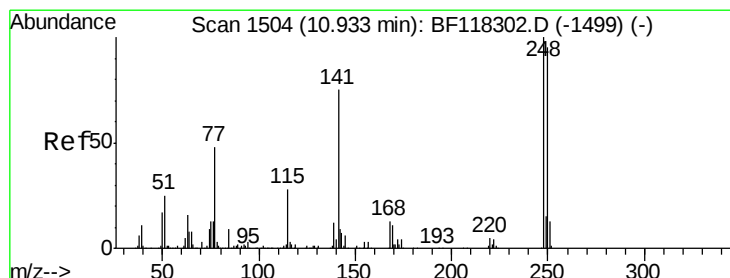
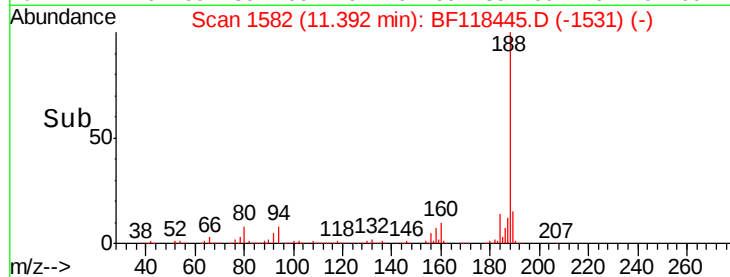
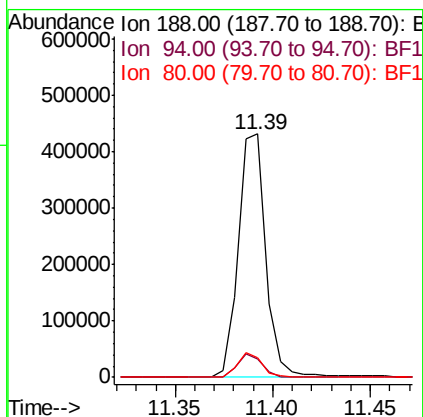
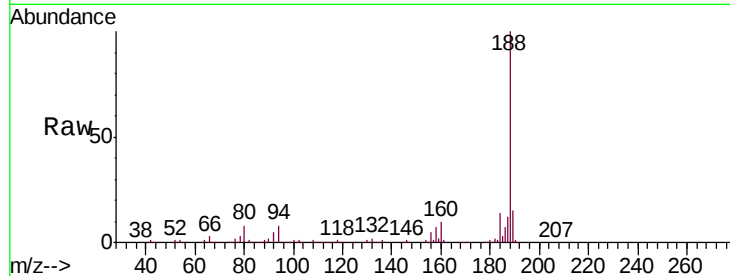




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

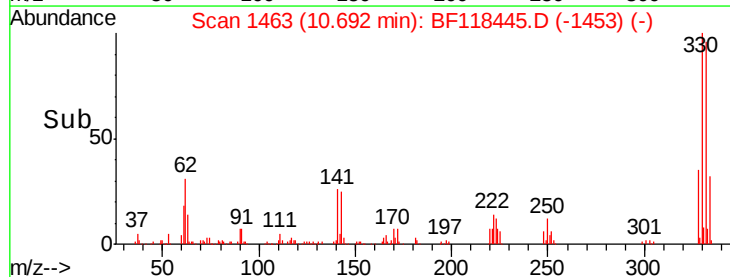
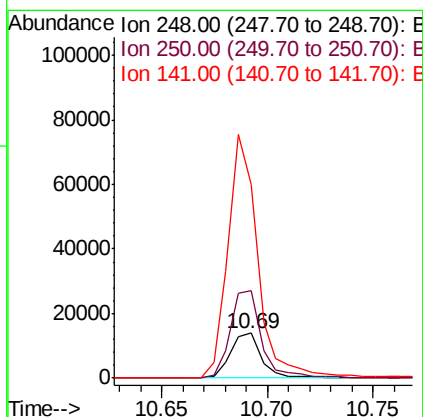
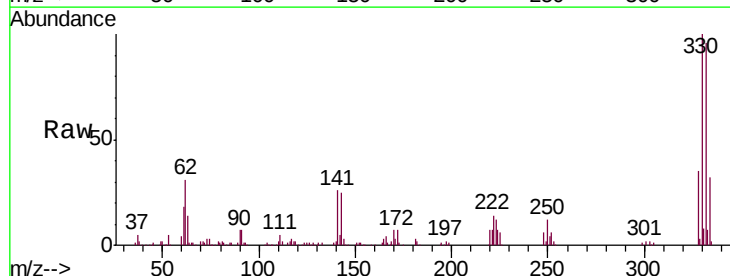
Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(8-10)

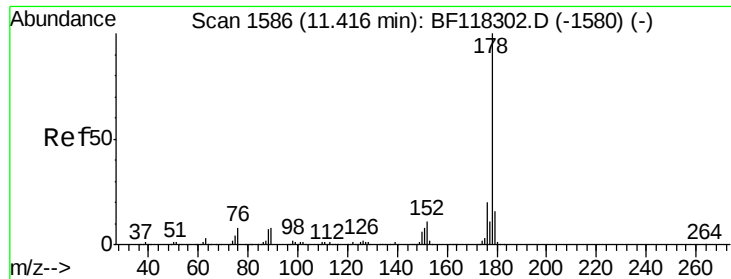
Tgt Ion:188 Resp: 421206
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.7 10.1
 80 7.9 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 2.856 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

Tgt Ion:248 Resp: 14076
 Ion Ratio Lower Upper
 248 100
 250 194.6 76.4 114.6#
 141 431.2 60.2 90.2#





#71

Phenanthrene

Concen: 3.607 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

Instrument :

BNA_F

ClientSampleId :

GP-9-(8-10)

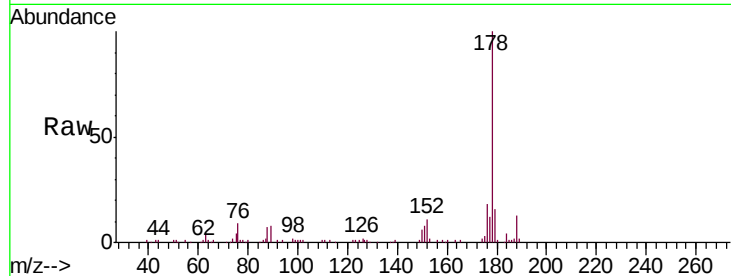
Tgt Ion:178 Resp: 82829

Ion Ratio Lower Upper

178 100

176 18.0 15.6 23.4

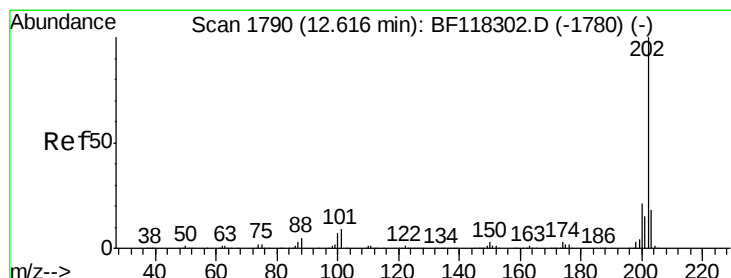
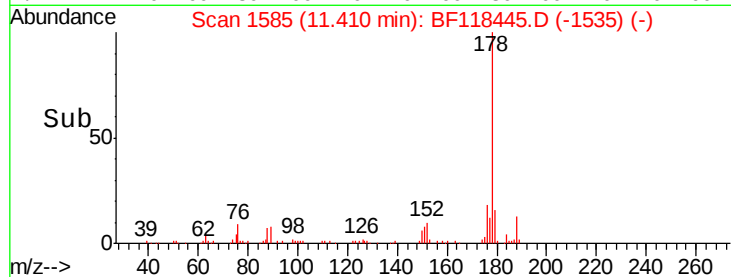
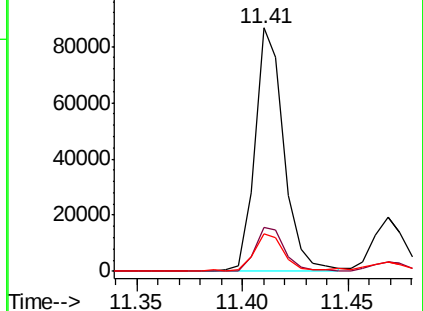
179 15.5 12.6 19.0



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: 6.541 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

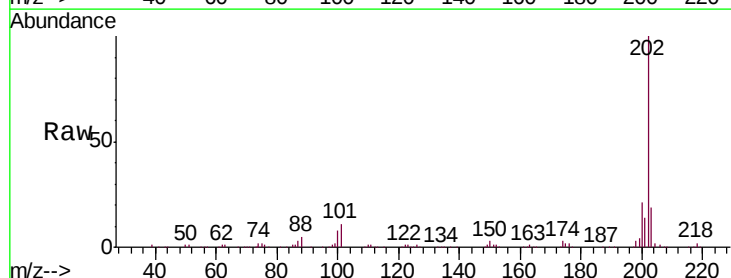
Tgt Ion:202 Resp: 151574

Ion Ratio Lower Upper

202 100

101 11.3 0.0 29.5

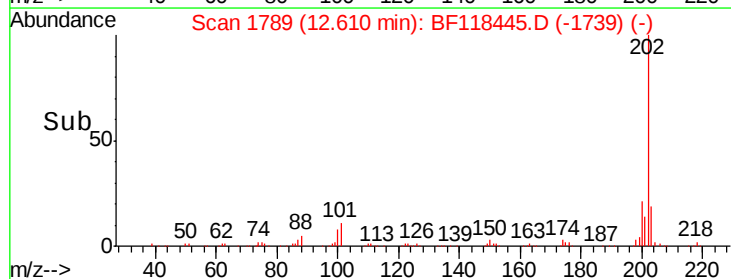
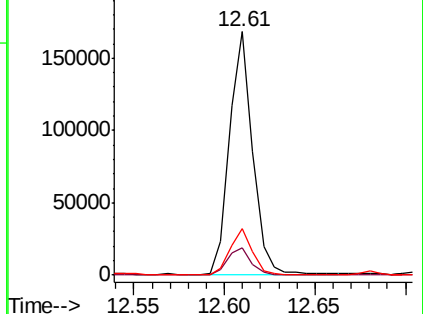
203 18.9 0.0 37.6

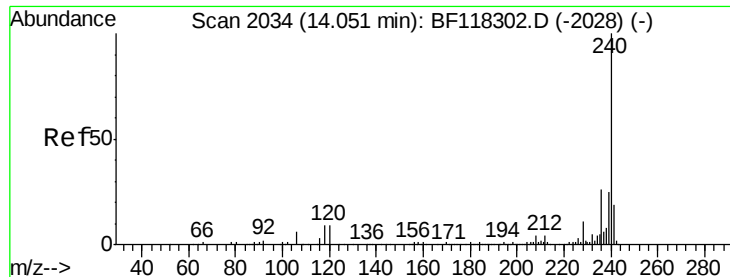


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

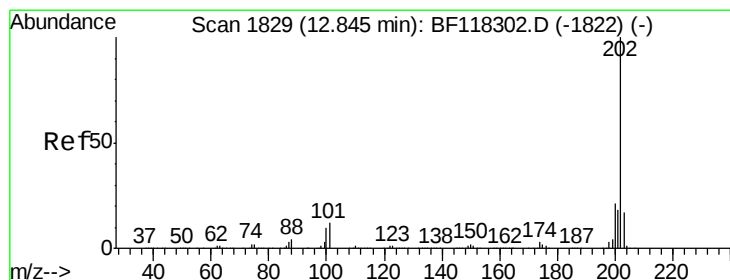
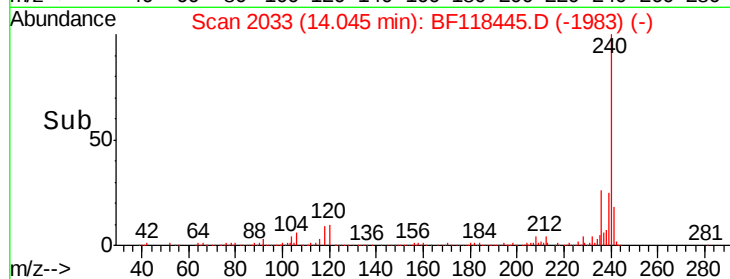
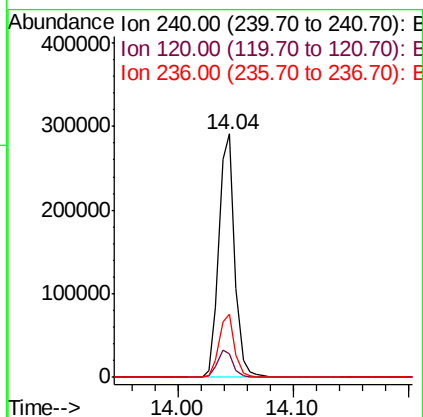
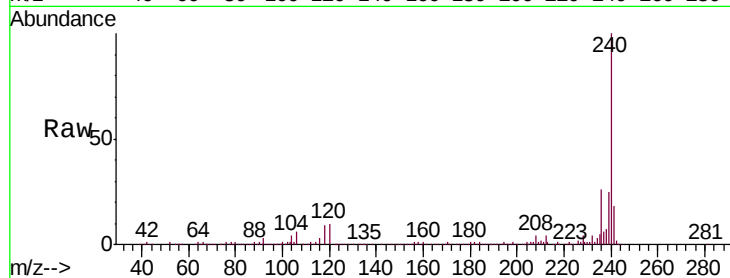




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118445.D
Acq: 2 Jan 2020 19:47

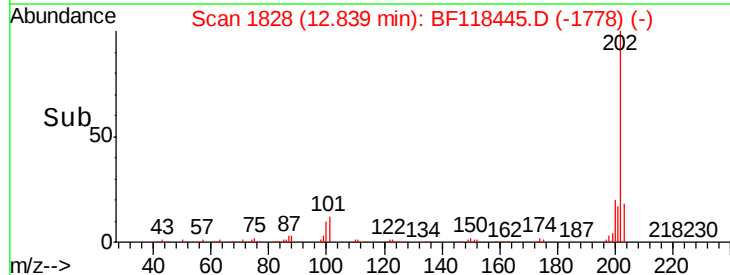
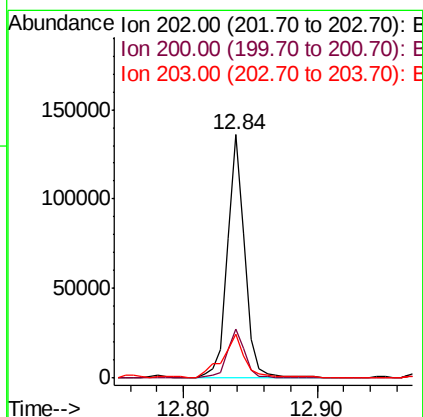
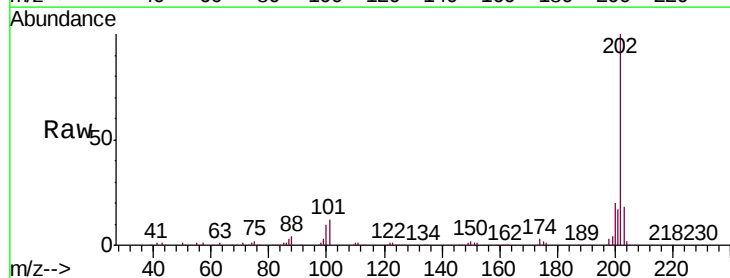
Instrument :
BNA_F
ClientSampleId :
GP-9-(8-10)

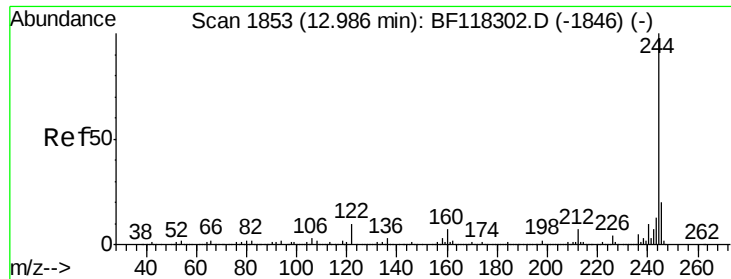
Tgt Ion:240 Resp: 277868
Ion Ratio Lower Upper
240 100
120 9.5 7.1 10.7
236 25.9 21.0 31.6



#78
Pyrene
Concen: 5.519 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118445.D
Acq: 2 Jan 2020 19:47

Tgt Ion:202 Resp: 125233
Ion Ratio Lower Upper
202 100
200 20.2 16.8 25.2
203 18.2 13.9 20.9

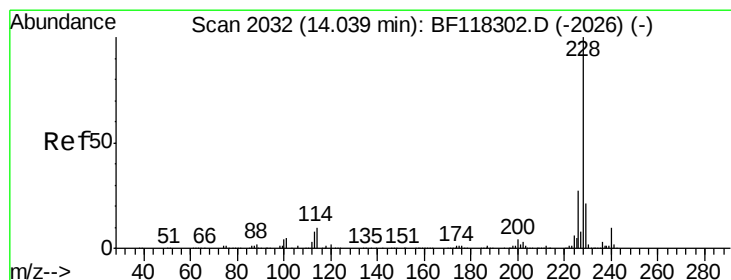
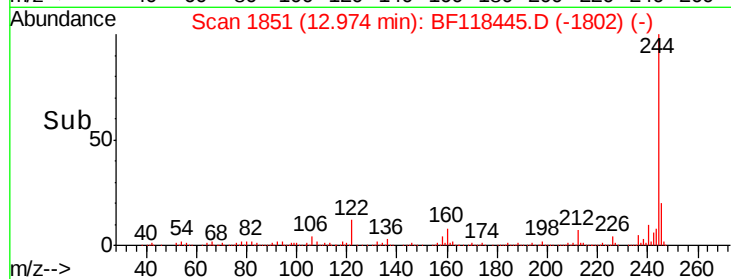
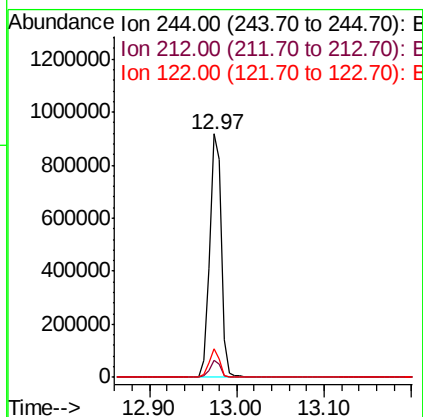
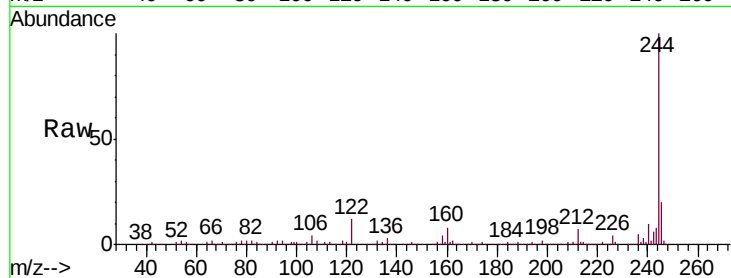




#79
 Terphenyl-d14
 Concen: 50.757 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

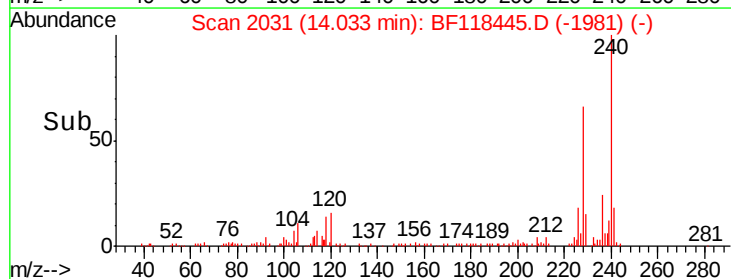
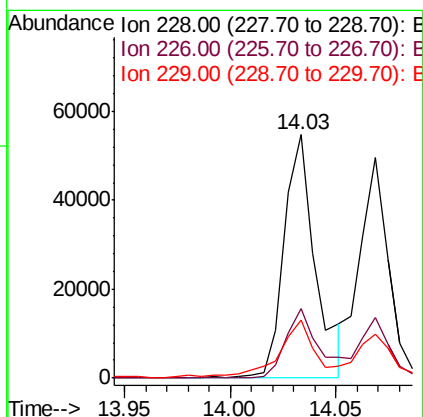
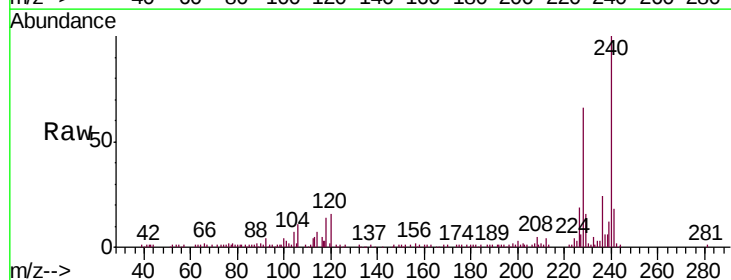
Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(8-10)

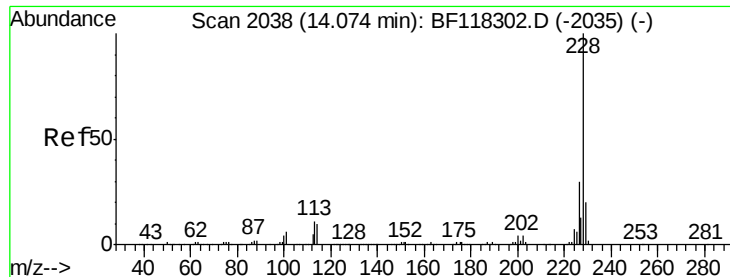
Tgt Ion:244 Resp: 850114
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.9 7.8 11.8#



#81
 Benzo(a)anthracene
 Concen: 2.921 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

Tgt Ion:228 Resp: 56814
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 23.7 16.6 24.8





#83

Chrysene

Concen: 2.544 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

Instrument :

BNA_F

ClientSampleId :

GP-9-(8-10)

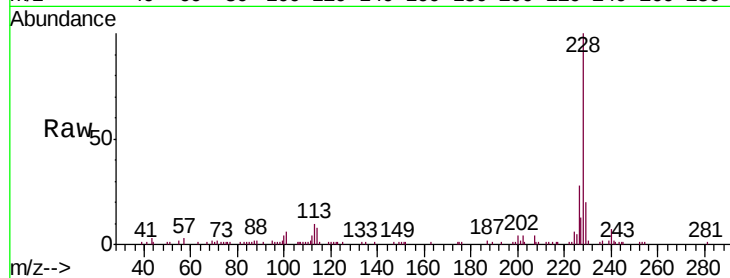
Tgt Ion:228 Resp: 47375

Ion Ratio Lower Upper

228 100

226 27.8 23.9 35.9

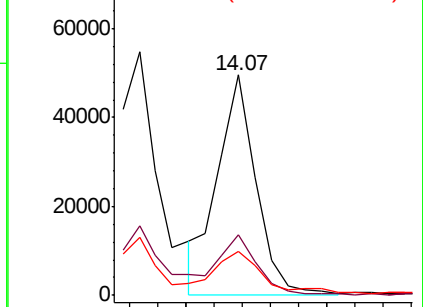
229 19.8 16.1 24.1



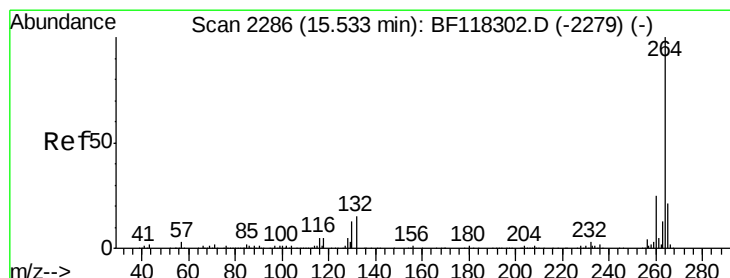
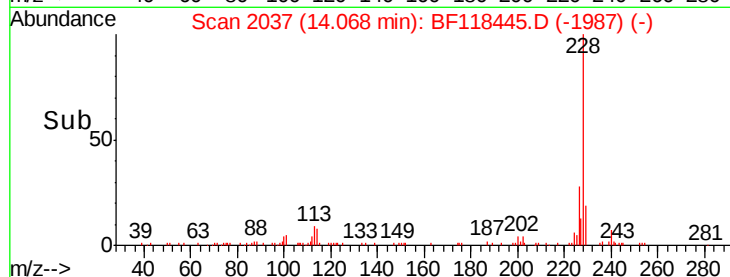
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BF118445.D

Acq: 2 Jan 2020 19:47

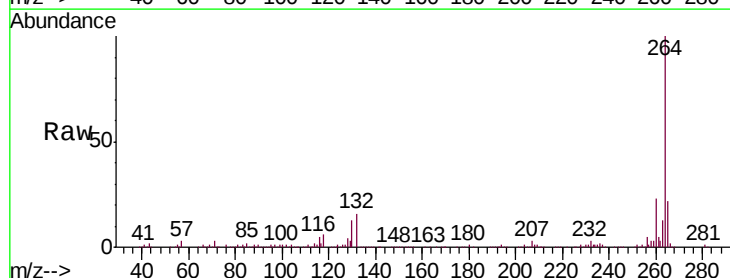
Tgt Ion:264 Resp: 280196

Ion Ratio Lower Upper

264 100

260 23.2 19.8 29.6

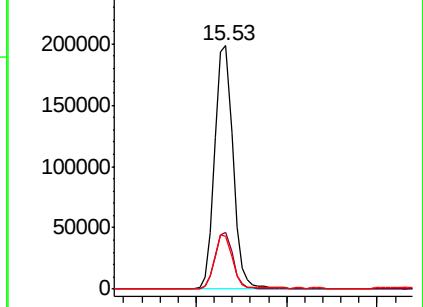
265 21.9 17.0 25.4



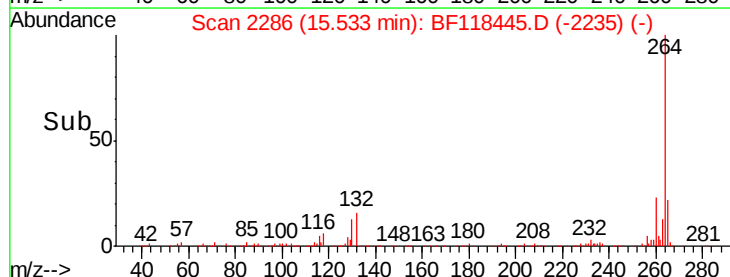
Abundance Ion 264.00 (263.70 to 264.70): E

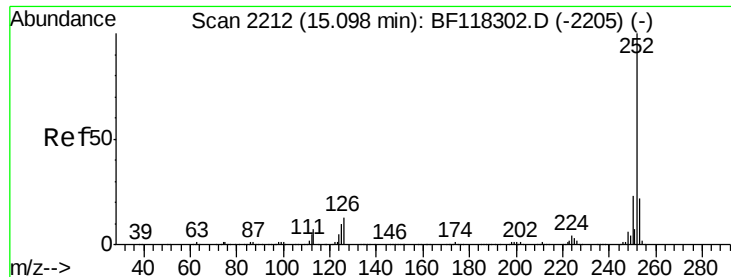
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->

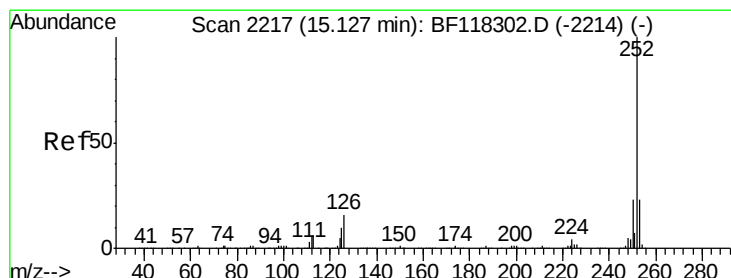
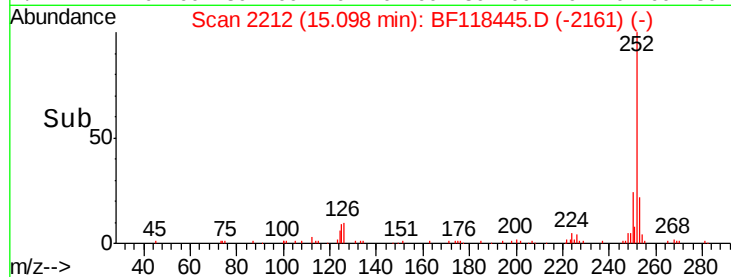
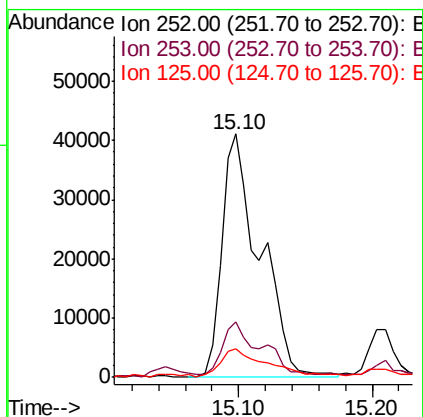
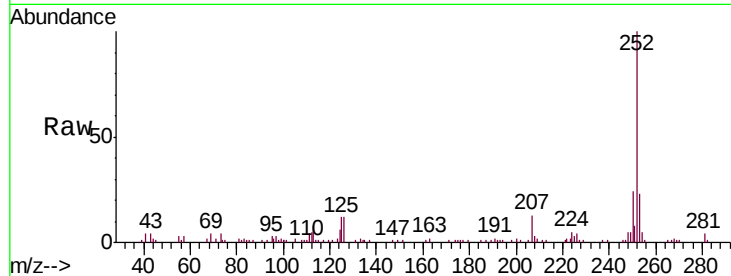




#88
Benzo(b)fluoranthene
Concen: 4.377 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118445.D
Acq: 2 Jan 2020 19:47

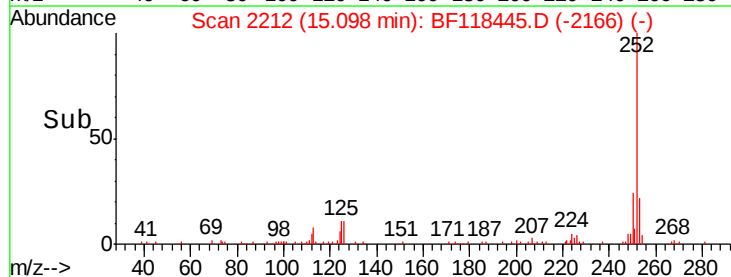
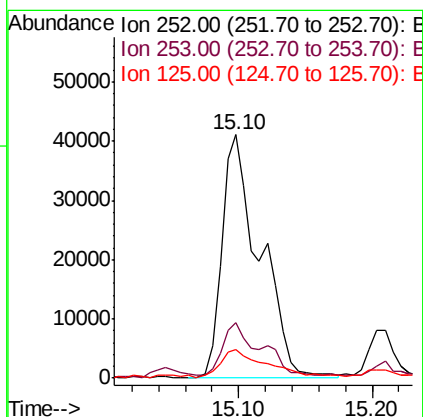
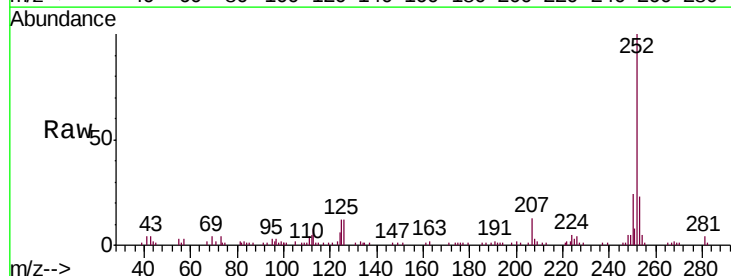
Instrument :
BNA_F
ClientSampleId :
GP-9-(8-10)

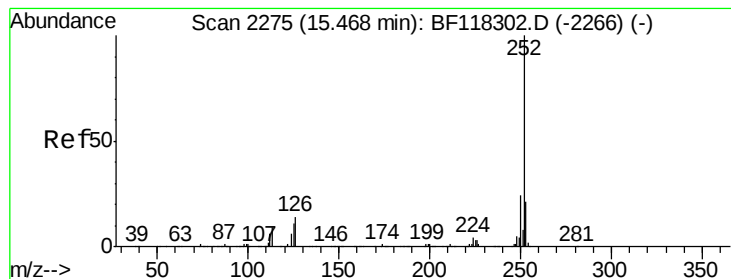
Tgt Ion:252 Resp: 81403
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.8 7.7 11.5#



#89
Benzo(k)fluoranthene
Concen: 4.558 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118445.D
Acq: 2 Jan 2020 19:47

Tgt Ion:252 Resp: 81403
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 11.8 8.0 12.0





#90
 Benzo(a)pyrene
 Concen: 2.842 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BF118445.D
 Acq: 2 Jan 2020 19:47

Instrument :
 BNA_F
 ClientSampleId :
 GP-9-(8-10)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	10.8	9.0	13.4

