

Data File : BF118444.D
Acq On : 2 Jan 2020 19:19
Operator : JU
Sample : K6465-04RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-10-(10-12)

Quant Time: Jan 03 02:11:16 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	120361	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	485021	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	247639	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	425719	20.00	ng	0.00
76) Chrysene-d12	14.04	240	265341	20.00	ng	-0.01
87) Perylene-d12	15.53	264	281671	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	610840	86.63	ng	0.00
7) Phenol-d6	6.49	99	790987	90.43	ng	0.00
23) Nitrobenzene-d5	7.41	82	460658	54.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	225610	73.77	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	837300	51.61	ng	-0.01
79) Terphenyl-d14	12.97	244	740904	46.32	ng	-0.01

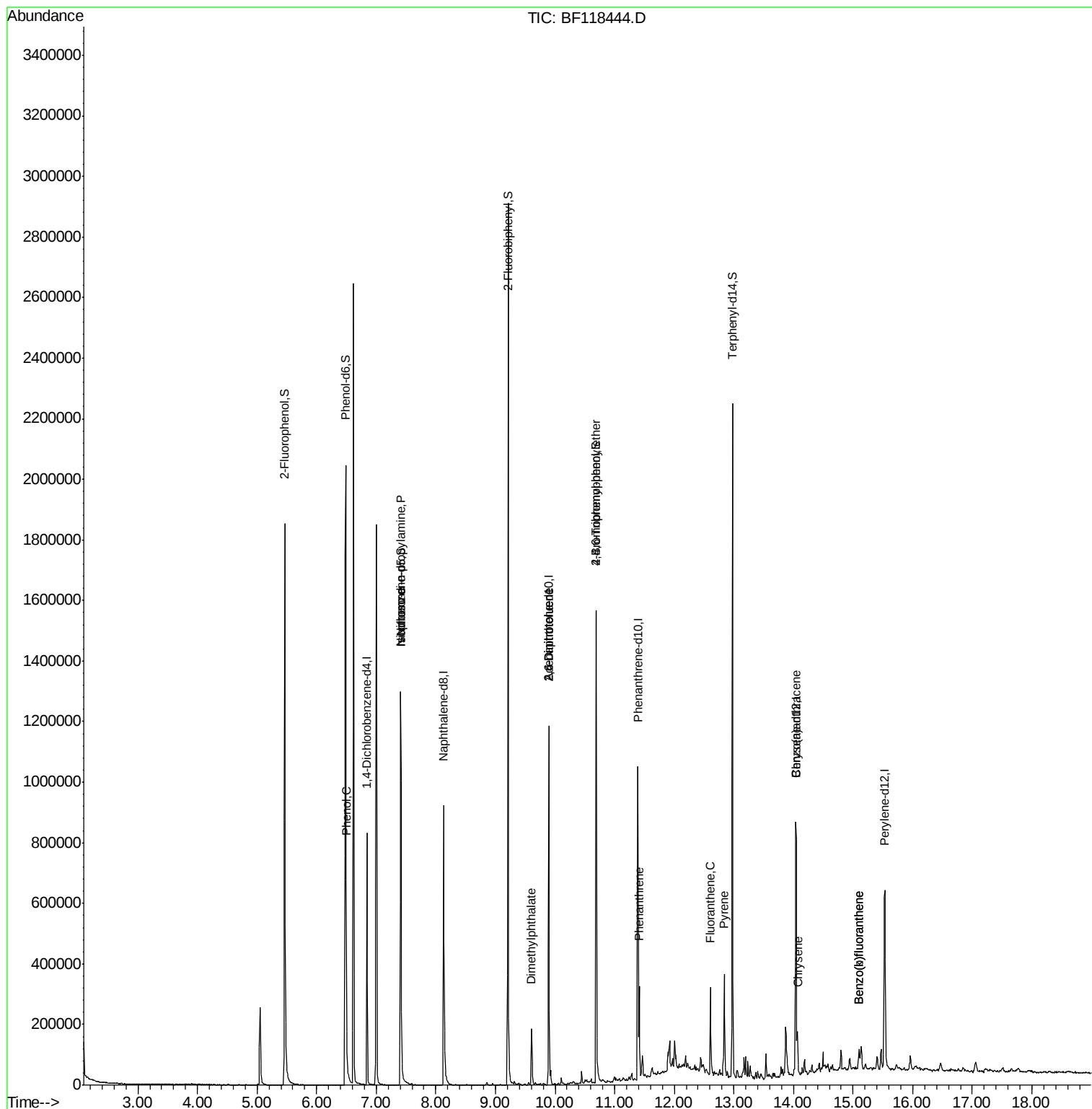
Target Compounds				Qvalue		
10) Phenol	6.50	94	28688	2.918	ng	91
19) n-Nitroso-di-n-propylamine	7.41	70	59889	11.114	ng	# 77
25) Isophorone	7.41	82	460656	31.170	ng	# 62
50) Dimethylphthalate	9.61	163	94389	5.078	ng	99
51) 2,6-Dinitrotoluene	9.89	165	33018	8.239	ng	# 26
57) 2,4-Dinitrotoluene	9.89	165	33019	6.166	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	14144	2.839	ng	# 1
71) Phenanthrene	11.41	178	117736	5.073	ng	98
75) Fluoranthene	12.61	202	109717	4.684	ng	99
78) Pyrene	12.84	202	125129	5.775	ng	99
81) Benzo(a)anthracene	14.03	228	58970	3.175	ng	97
83) Chrysene	14.07	228	52551	2.955	ng	98
88) Benzo(b)fluoranthene	15.10	252	53484	2.861	ng	# 92
89) Benzo(k)fluoranthene	15.10	252	53484	2.979	ng	# 93

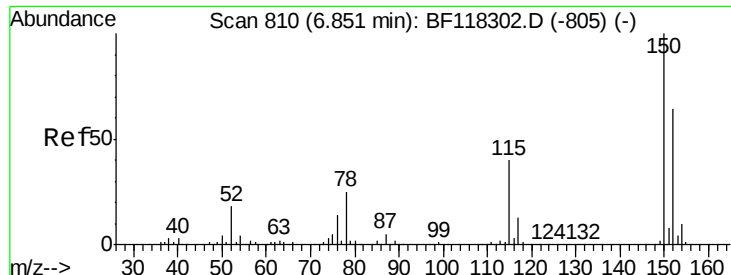
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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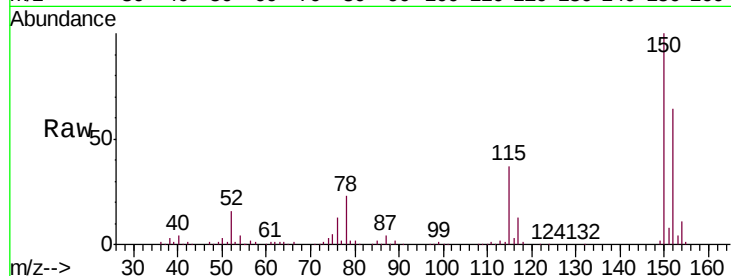




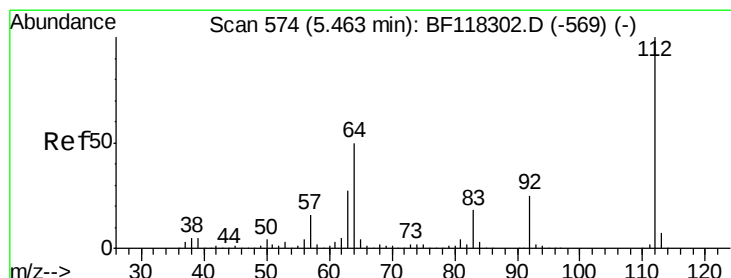
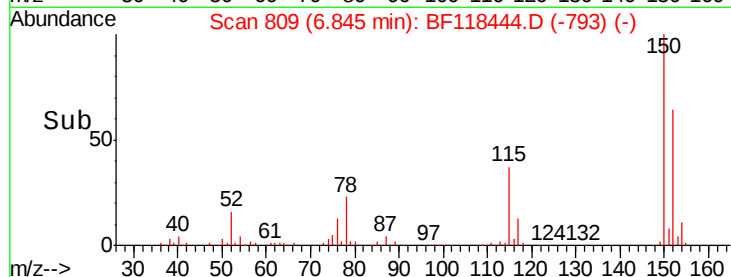
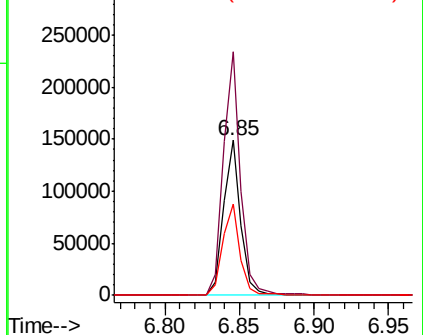
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118444.D
 Acq: 2 Jan 2020 19:19

Instrument :
 BNA_F
 ClientSampleId :
 GP-10-(10-12)

Tgt Ion:152 Resp: 120361
 Ion Ratio Lower Upper
 152 100
 150 157.4 125.4 188.2
 115 58.9 50.2 75.4

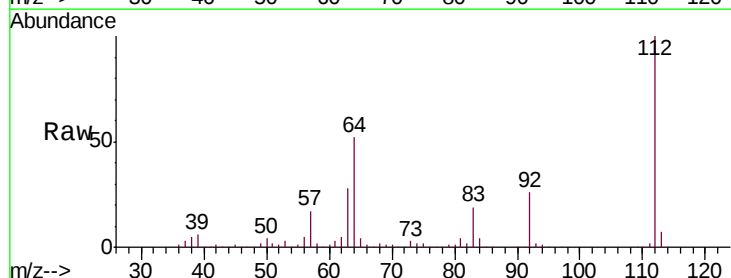


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

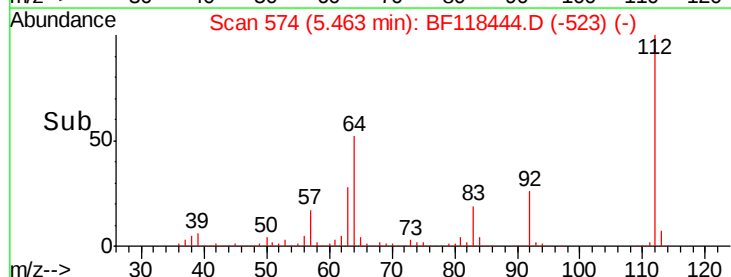
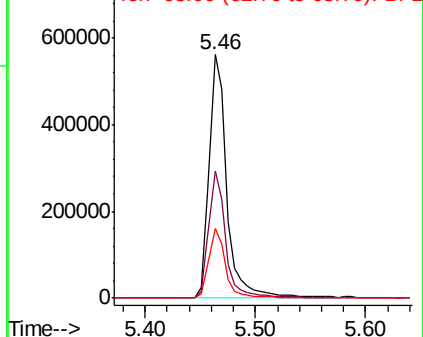


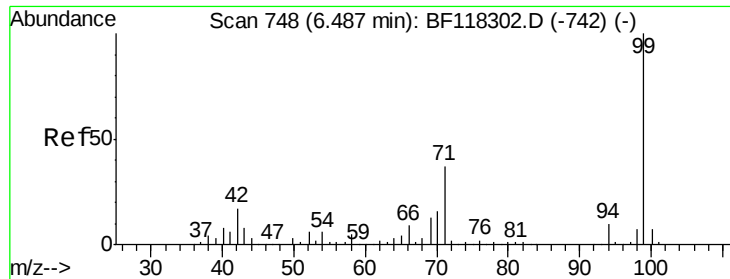
#5
 2-Fluorophenol
 Concen: 86.631 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF118444.D
 Acq: 2 Jan 2020 19:19

Tgt Ion:112 Resp: 610840
 Ion Ratio Lower Upper
 112 100
 64 52.1 39.7 59.5
 63 28.4 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: 90.429 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118444.D

Acq: 2 Jan 2020 19:19

Instrument :

BNA_F

ClientSampleId :

GP-10-(10-12)

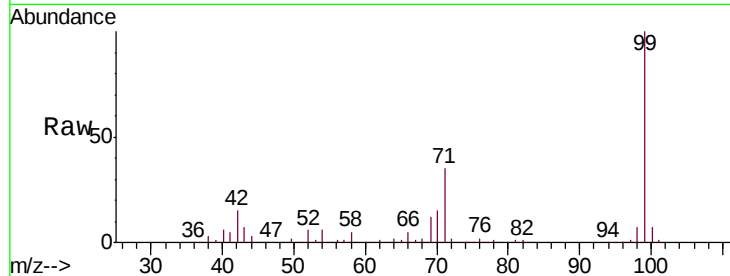
Tgt Ion: 99 Resp: 790987

Ion Ratio Lower Upper

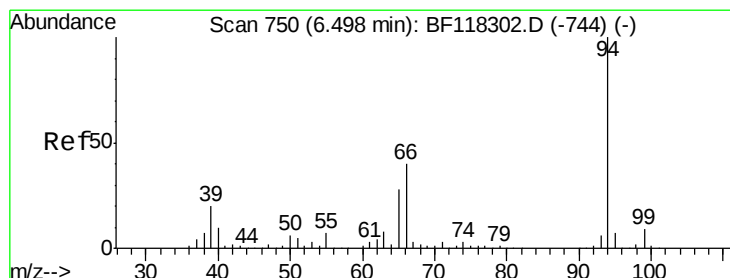
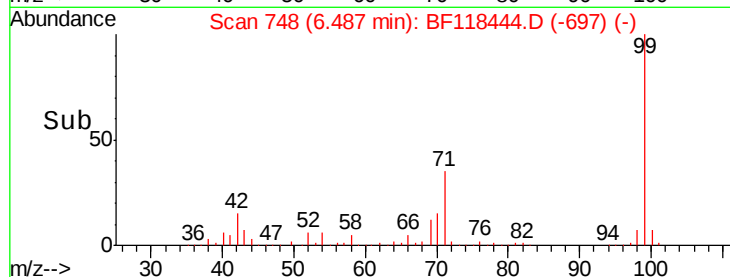
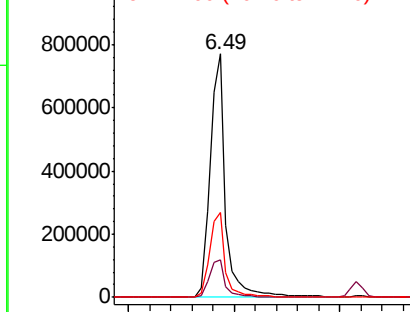
99 100

42 15.5 13.5 20.3

71 35.0 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



#10

Phenol

Concen: 2.918 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118444.D

Acq: 2 Jan 2020 19:19

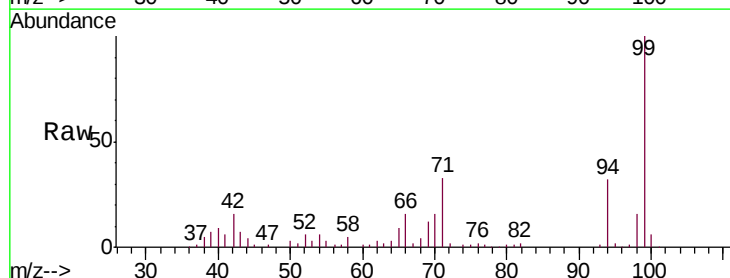
Tgt Ion: 94 Resp: 28688

Ion Ratio Lower Upper

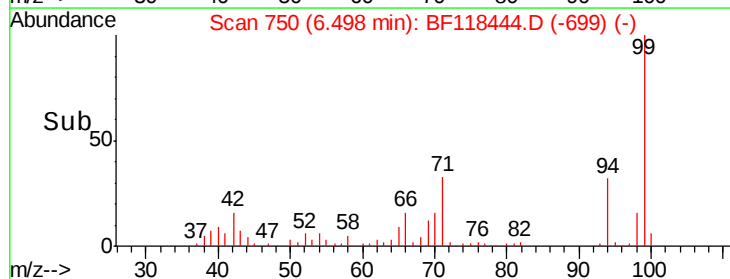
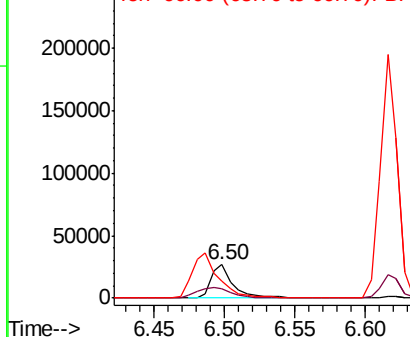
94 100

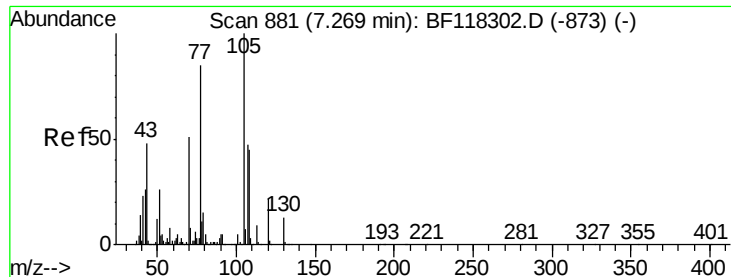
65 26.9 7.8 47.8

66 49.4 20.4 60.4



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

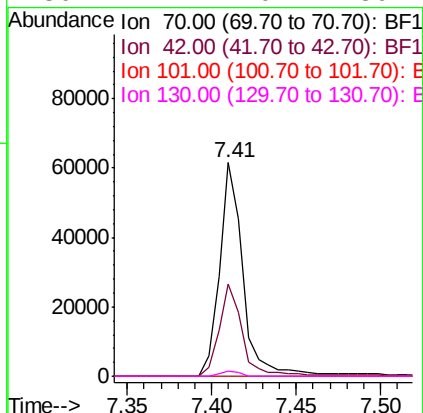
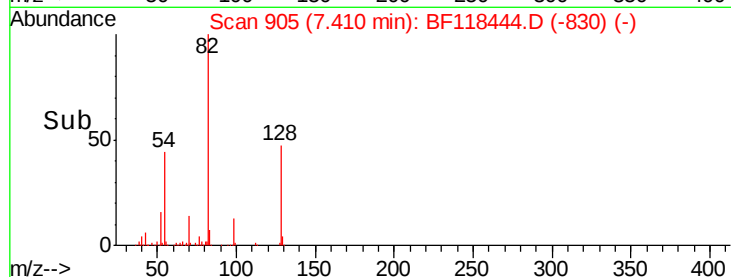
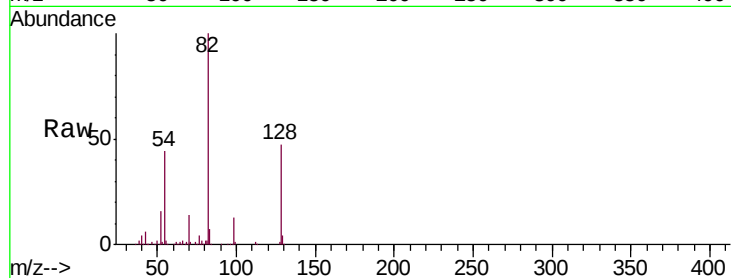




#19
n-Nitroso-di-n-propylamine
Concen: 11.114 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

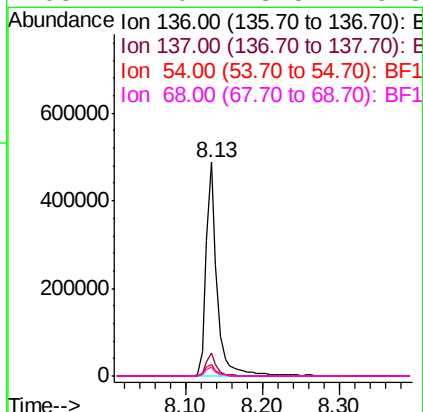
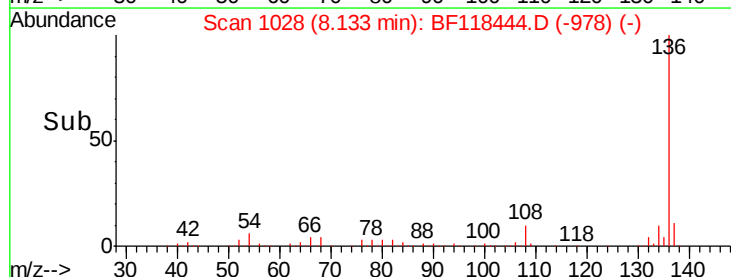
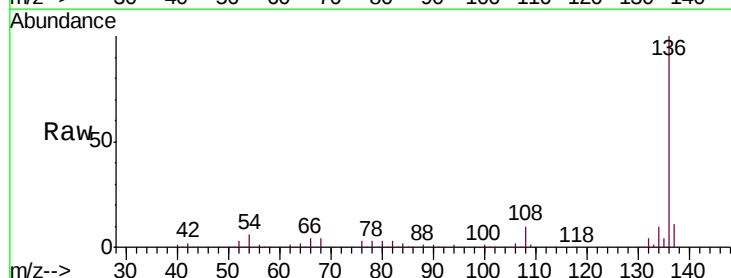
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GP-10-(10-12)

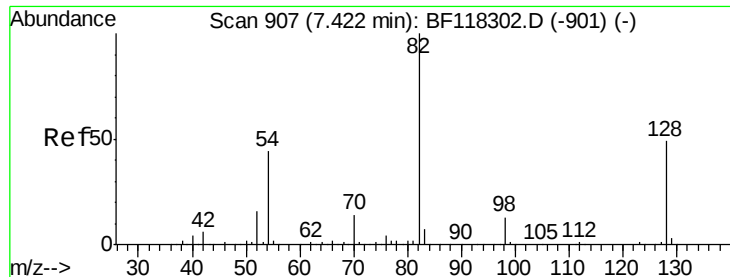
Tgt Ion: 70 Resp: 59889
Ion Ratio Lower Upper
70 100
42 43.2 41.1 61.7
101 0.0 8.3 12.5#
130 2.2 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

Tgt Ion: 136 Resp: 485021
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 5.7 4.2 6.4
68 4.0 3.5 5.3

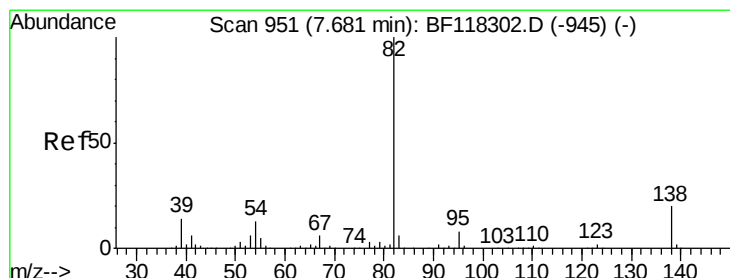
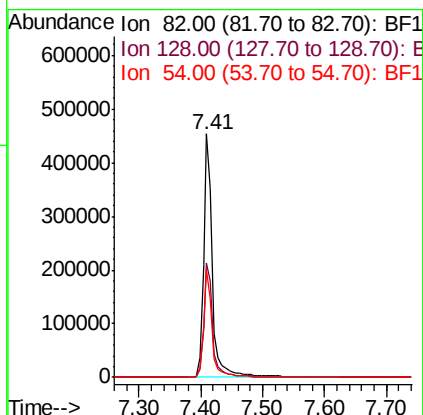
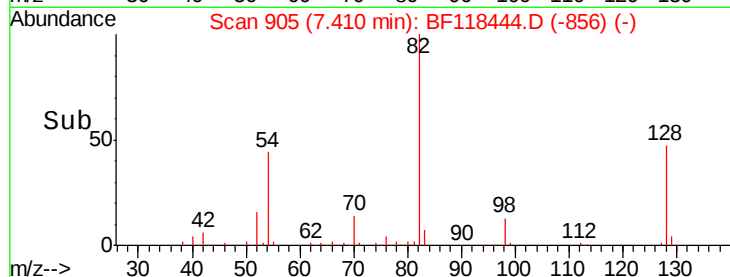
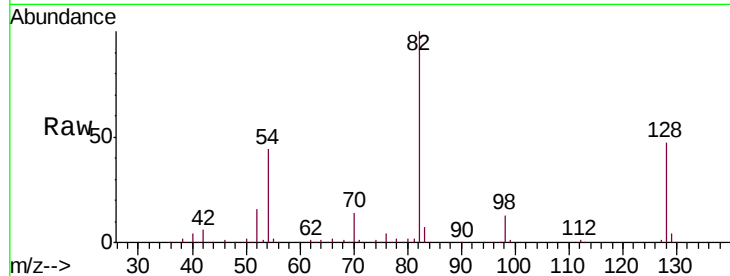




#23
 Nitrobenzene-d5
 Concen: 54.322 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF118444.D
 Acq: 2 Jan 2020 19:19

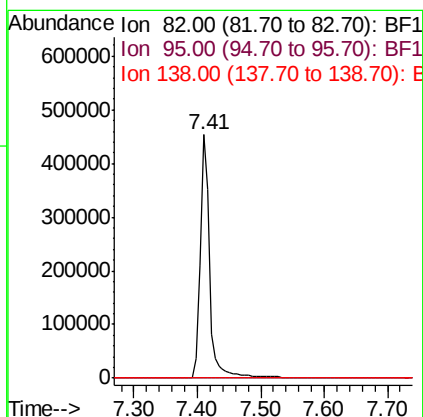
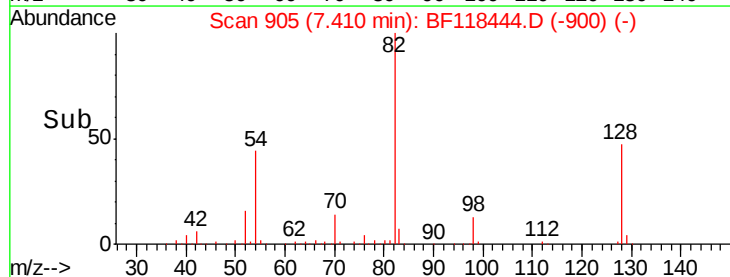
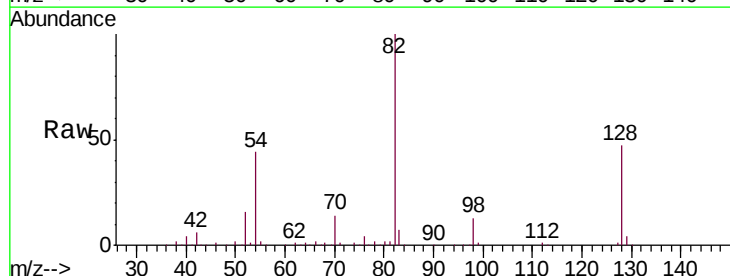
Instrument :
 BNA_F
 ClientSampleId :
 GP-10-(10-12)

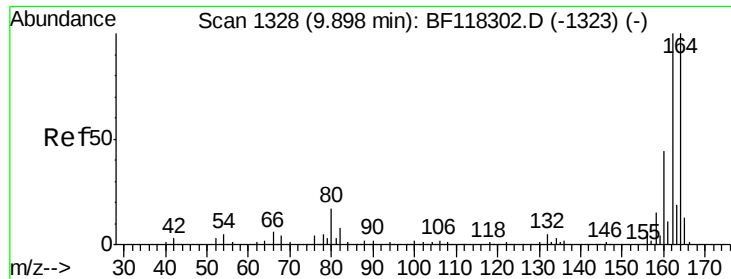
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.2	39.6	59.4
54	44.4	34.9	52.3



#25
 Isophorone
 Concen: 31.170 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.27 min
 Lab File: BF118444.D
 Acq: 2 Jan 2020 19:19

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.3	9.5#
138	0.0	16.2	24.2#

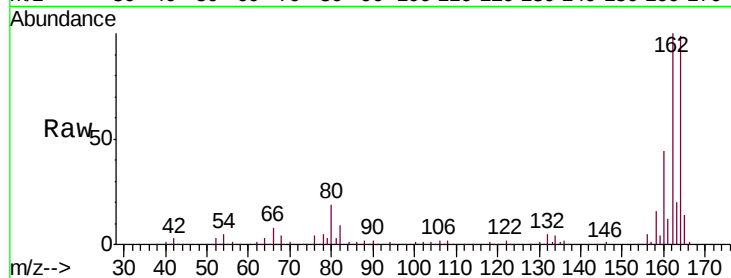




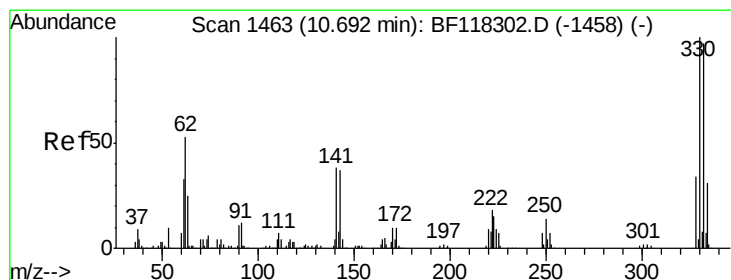
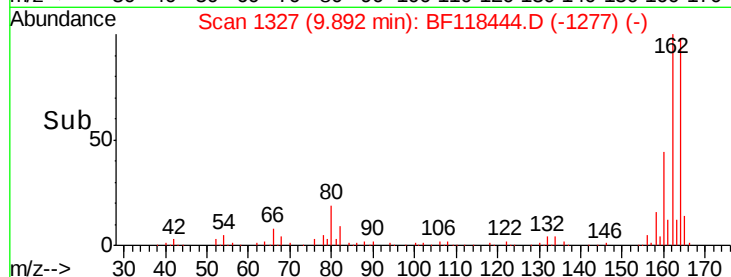
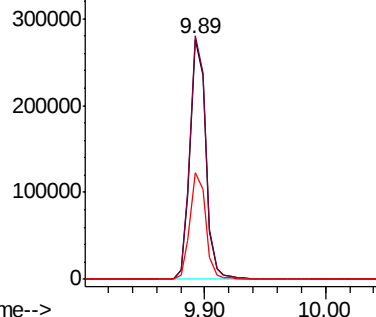
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

Instrument :
BNA_F
ClientSampleId :
GP-10-(10-12)

Tgt Ion:164 Resp: 247639
Ion Ratio Lower Upper
164 100
162 101.4 80.0 120.0
160 44.2 34.8 52.2

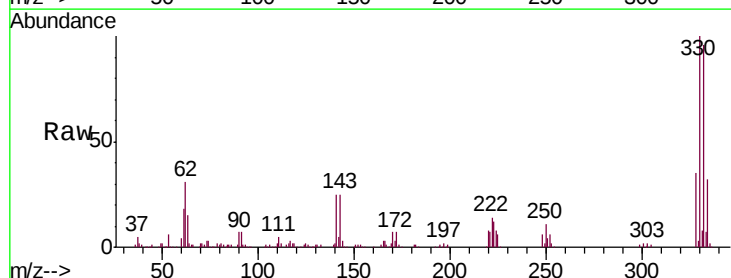


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

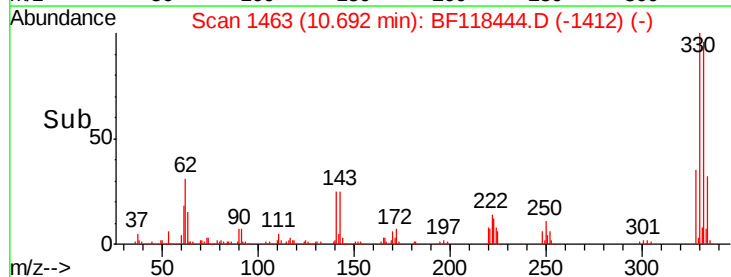
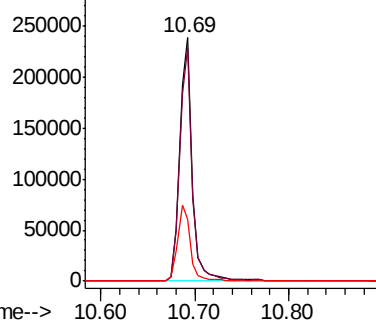


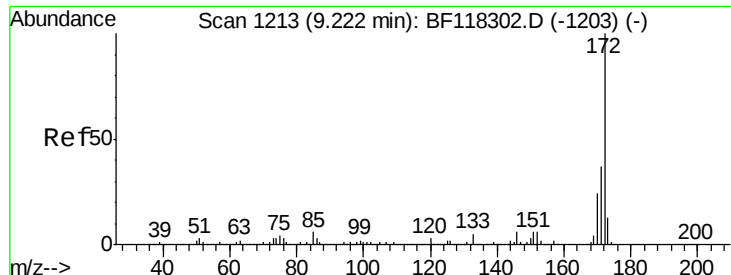
#42
2,4,6-Tribromophenol
Concen: 73.773 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

Tgt Ion:330 Resp: 225610
Ion Ratio Lower Upper
330 100
332 95.7 76.6 114.8
141 32.2 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

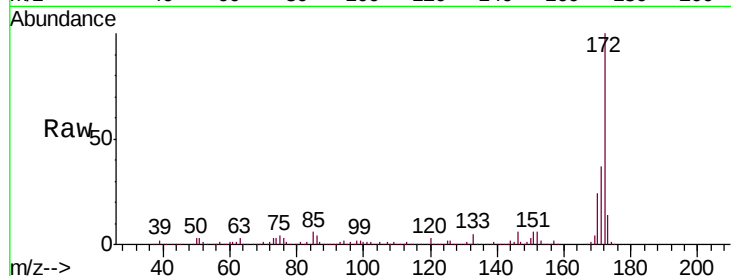




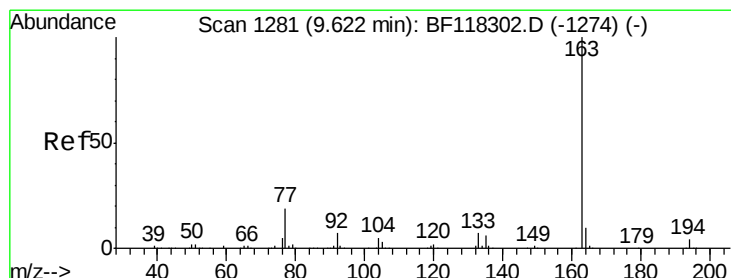
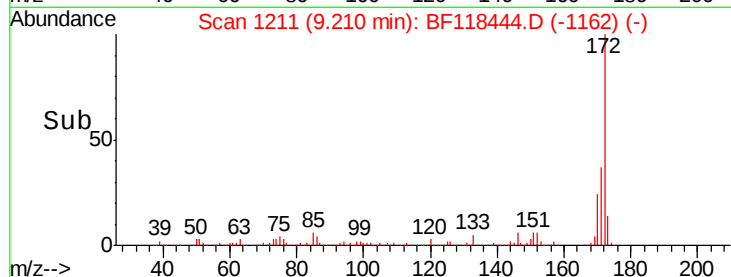
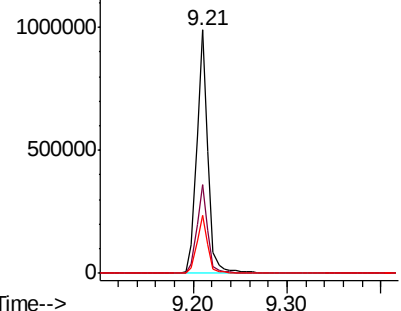
#45
2-Fluorobiphenyl
Concen: 51.612 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 837300
Ion Ratio Lower Upper
172 100
171 36.7 29.3 43.9
170 23.8 19.2 28.8

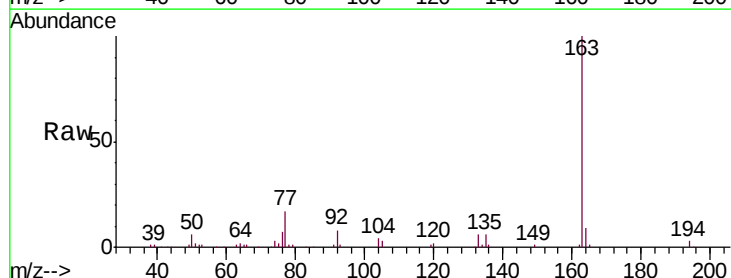


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

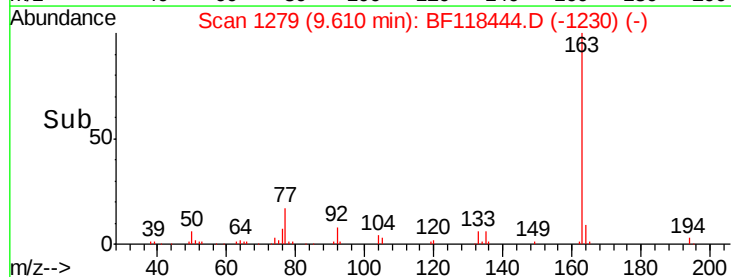
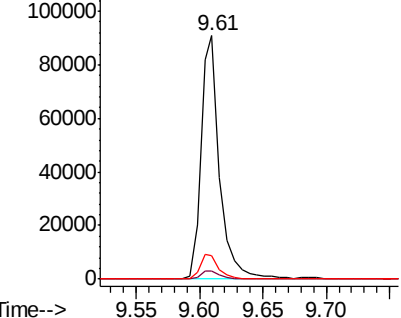


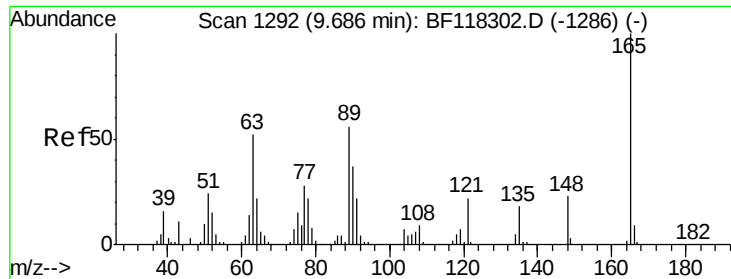
#50
Dimethylphthalate
Concen: 5.078 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

Tgt Ion:163 Resp: 94389
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 9.4 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

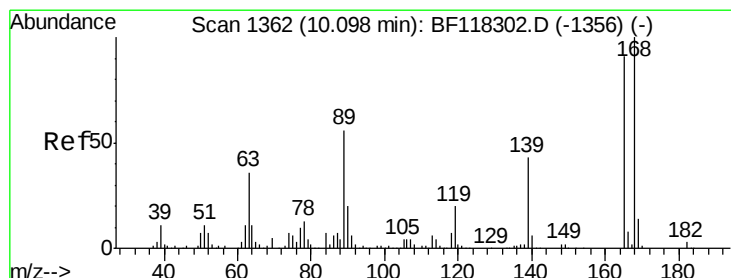
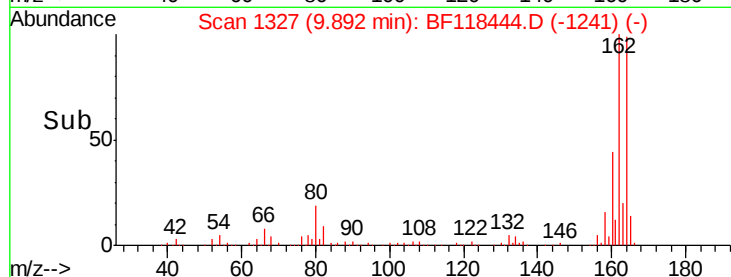
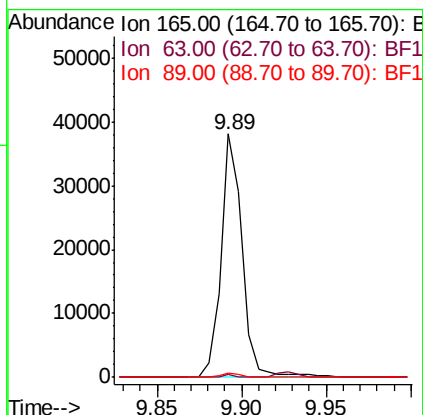
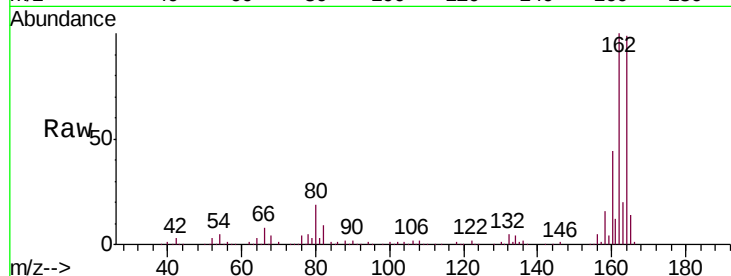




#51
 2,6-Dinitrotoluene
 Concen: 8.239 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF118444.D
 Acq: 2 Jan 2020 19:19

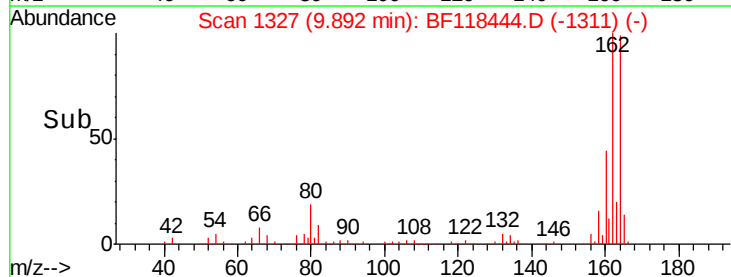
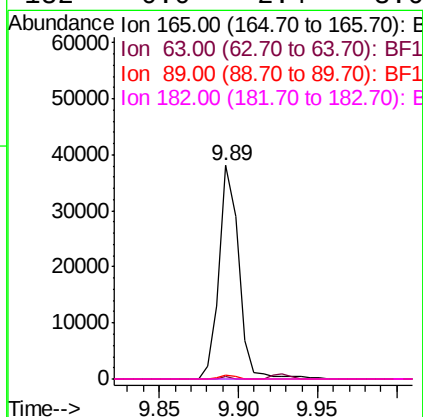
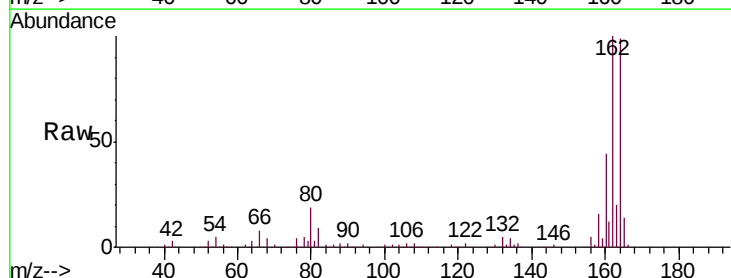
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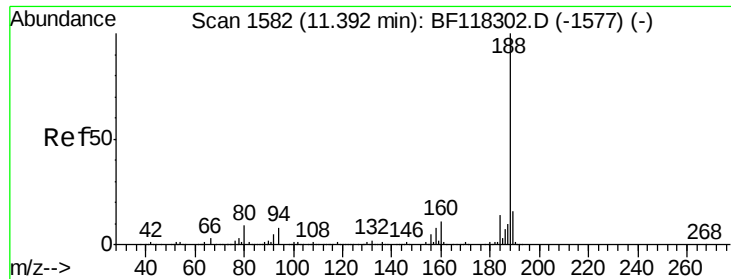
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.2	63.4#
89	1.6	44.4	66.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.166 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.21 min
 Lab File: BF118444.D
 Acq: 2 Jan 2020 19:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.0	48.0#
89	1.6	49.3	73.9#
182	0.0	2.4	3.6#

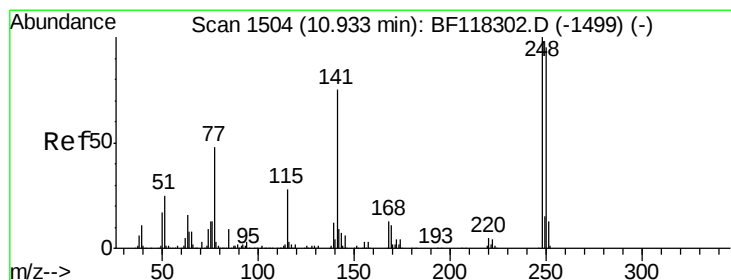
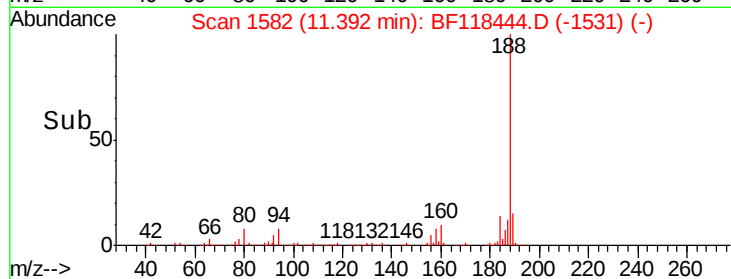
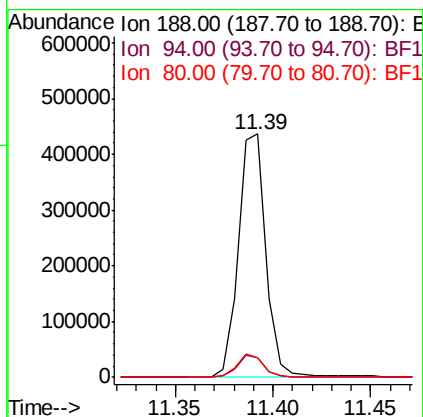
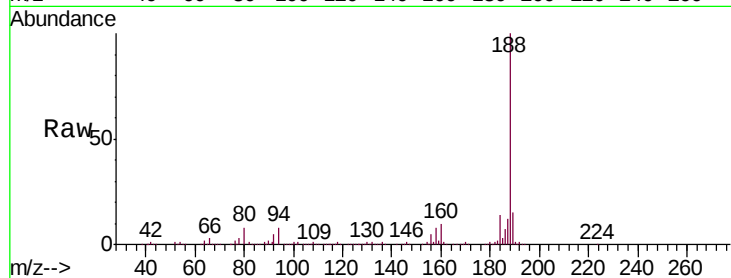




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF118444.D
 Acq: 2 Jan 2020 19:19

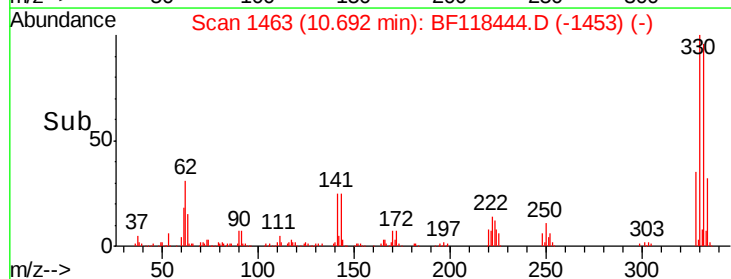
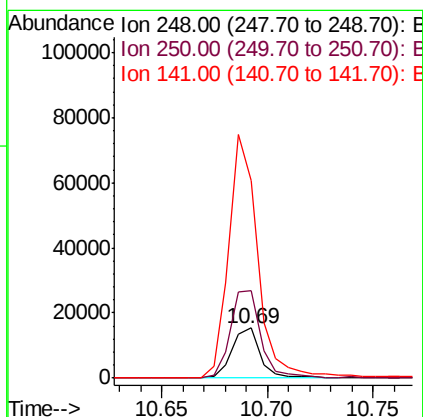
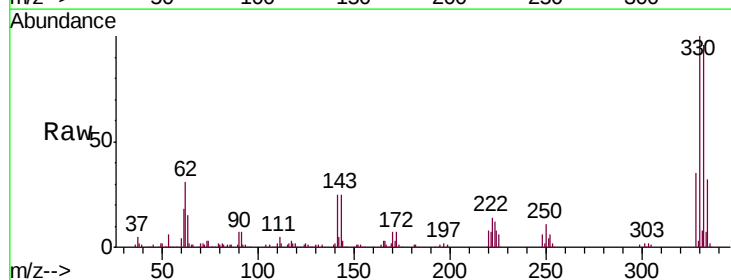
Instrument :
 BNA_F
 ClientSampleId :
 GP-10-(10-12)

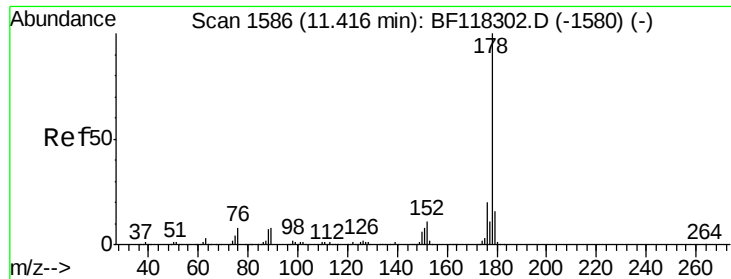
Tgt Ion:188 Resp: 425719
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.7 10.1
 80 8.2 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 2.839 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118444.D
 Acq: 2 Jan 2020 19:19

Tgt Ion:248 Resp: 14144
 Ion Ratio Lower Upper
 248 100
 250 175.5 76.4 114.6#
 141 397.3 60.2 90.2#

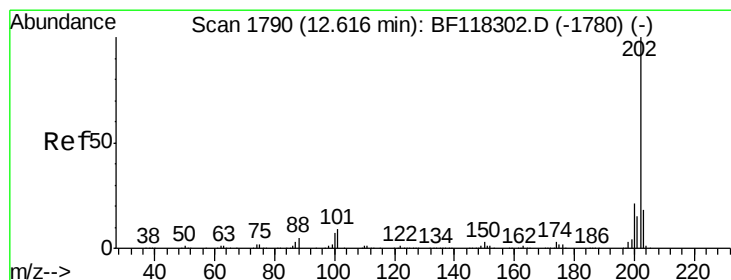
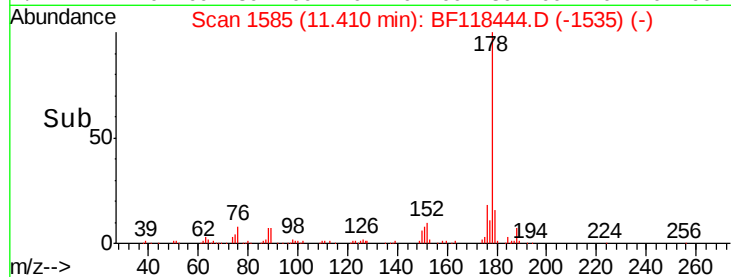
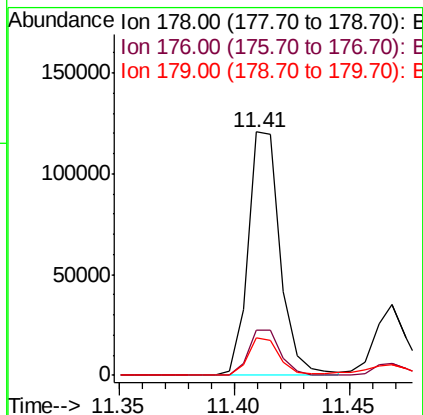
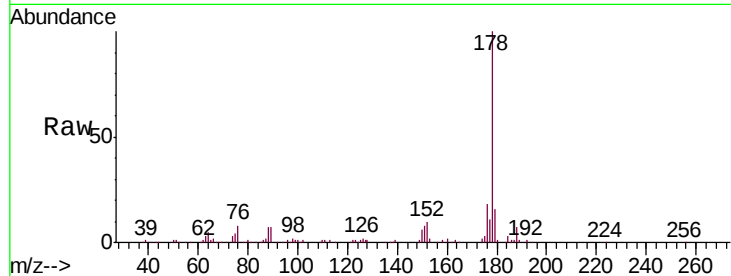




#71
Phenanthrene
Concen: 5.073 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

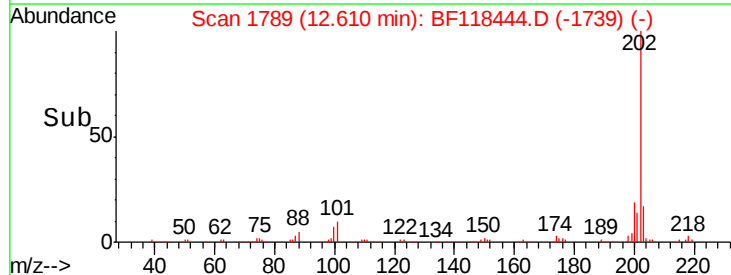
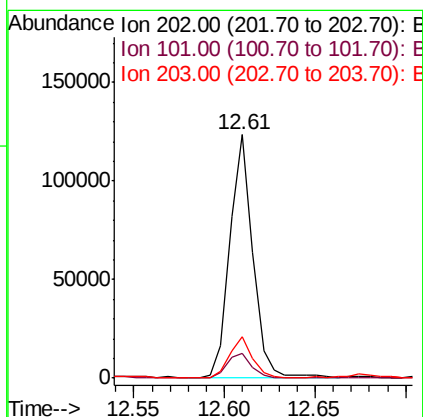
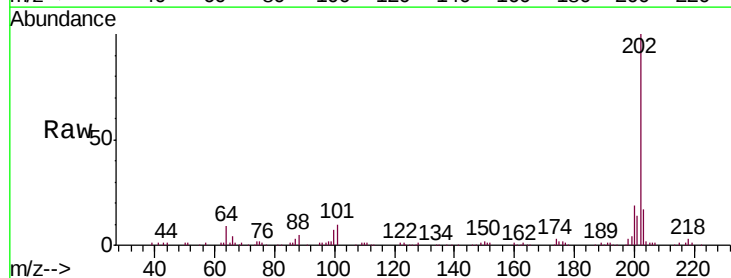
Instrument :
BNA_F
ClientSampleId :
GP-10-(10-12)

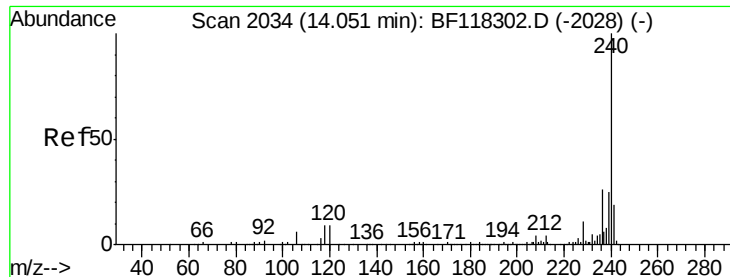
Tgt Ion:178 Resp: 117736
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.6 12.6 19.0



#75
Fluoranthene
Concen: 4.684 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

Tgt Ion:202 Resp: 109717
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.5
203 17.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF118444.D

Acq: 2 Jan 2020 19:19

Instrument :

BNA_F

ClientSampleId :

GP-10-(10-12)

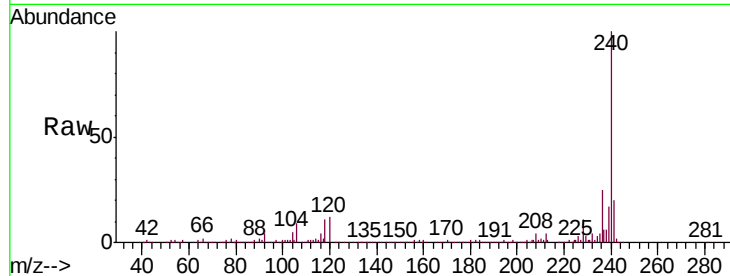
Tgt Ion:240 Resp: 265341

Ion Ratio Lower Upper

240 100

120 12.2 7.1 10.7#

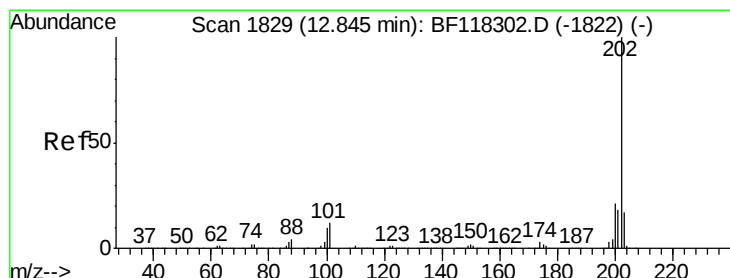
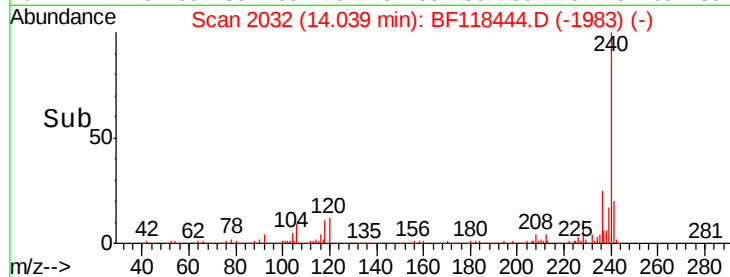
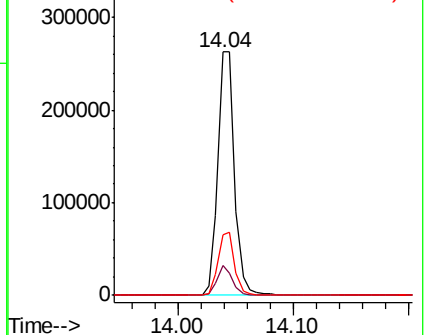
236 25.1 21.0 31.6



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

Pyrene

Concen: 5.775 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118444.D

Acq: 2 Jan 2020 19:19

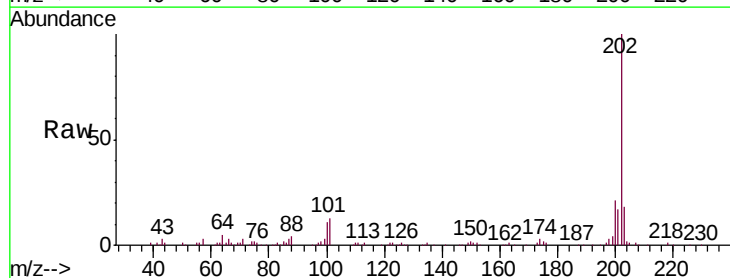
Tgt Ion:202 Resp: 125129

Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

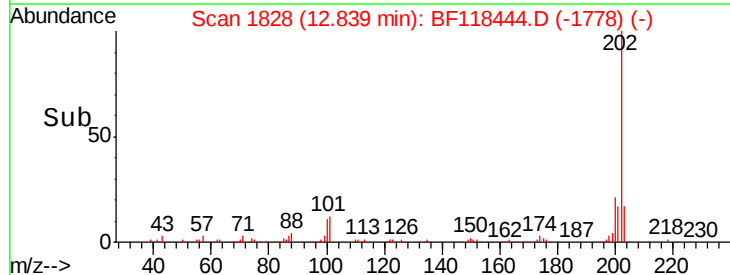
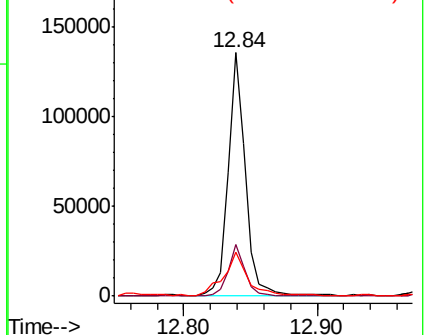
203 17.9 13.9 20.9

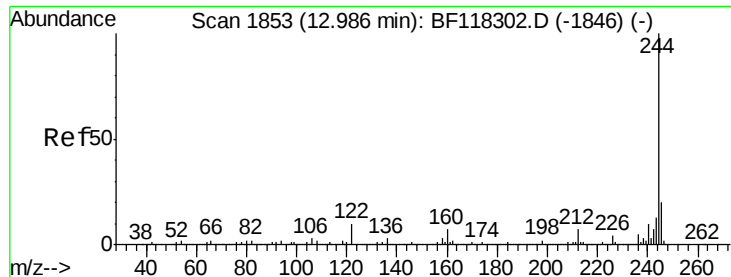


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 46.325 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF118444.D

Acq: 2 Jan 2020 19:19

Instrument :

BNA_F

ClientSampleId :

GP-10-(10-12)

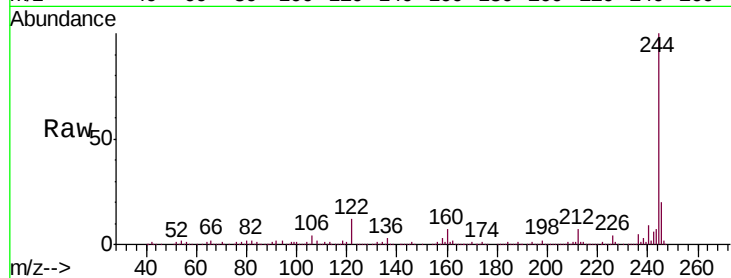
Tgt Ion:244 Resp: 740904

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

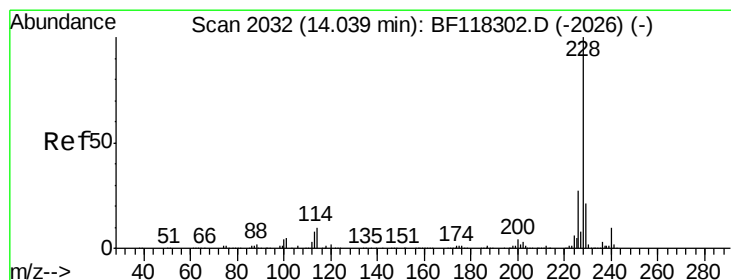
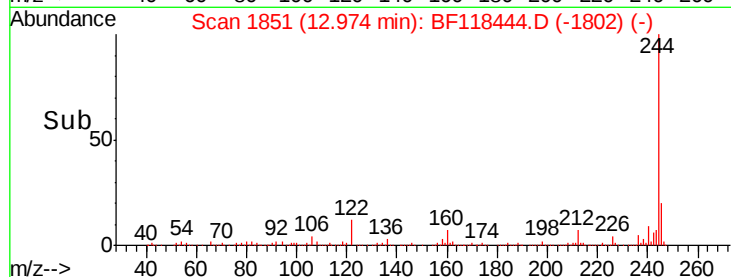
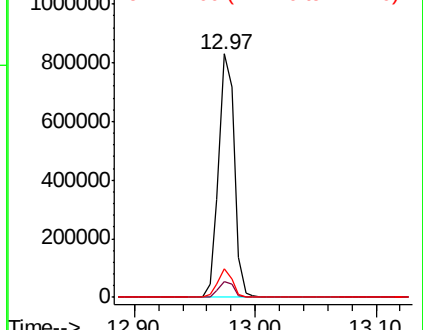
122 11.7 7.8 11.8



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: 3.175 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118444.D

Acq: 2 Jan 2020 19:19

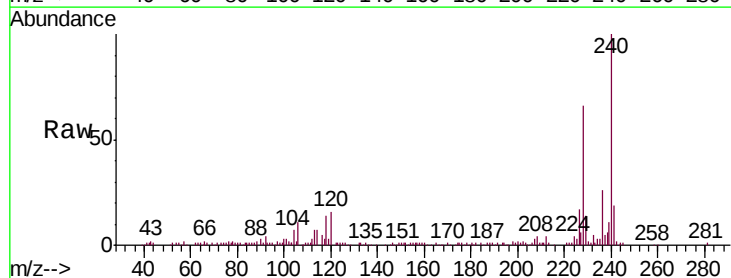
Tgt Ion:228 Resp: 58970

Ion Ratio Lower Upper

228 100

226 25.7 22.0 33.0

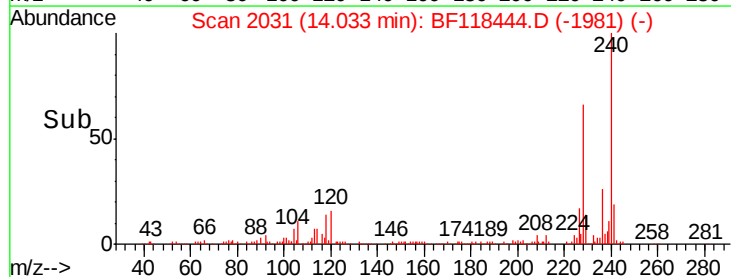
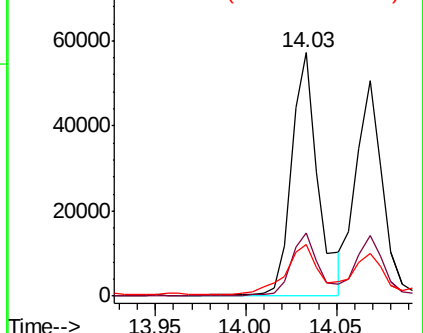
229 21.4 16.6 24.8

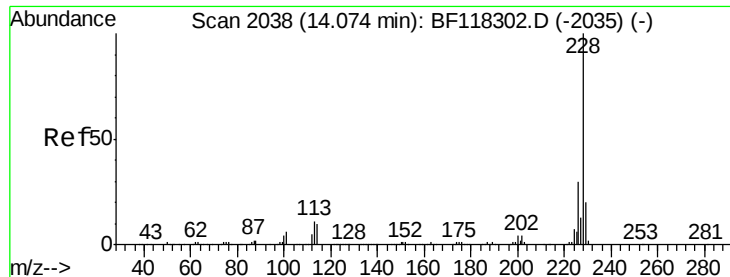


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.955 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118444.D

Acq: 2 Jan 2020 19:19

Instrument :

BNA_F

ClientSampleId :

GP-10-(10-12)

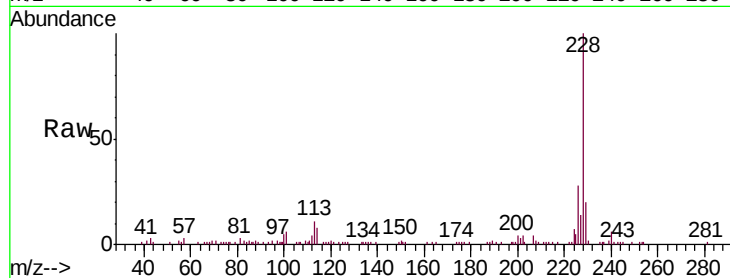
Tgt Ion:228 Resp: 52551

Ion Ratio Lower Upper

228 100

226 28.0 23.9 35.9

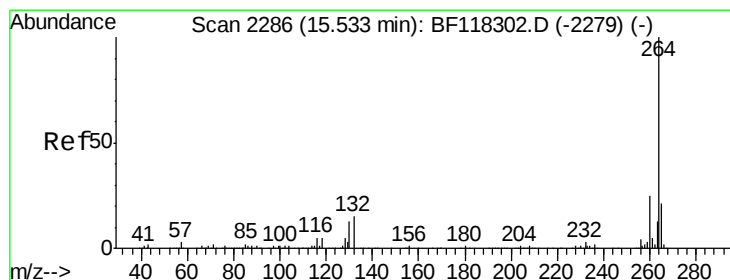
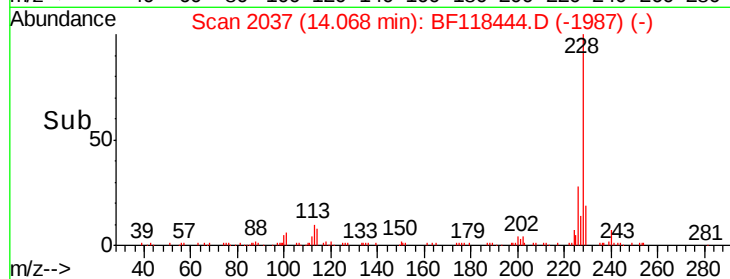
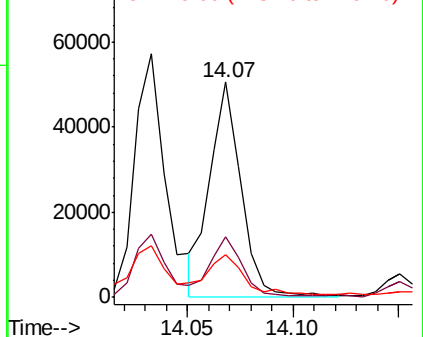
229 20.0 16.1 24.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BF118444.D

Acq: 2 Jan 2020 19:19

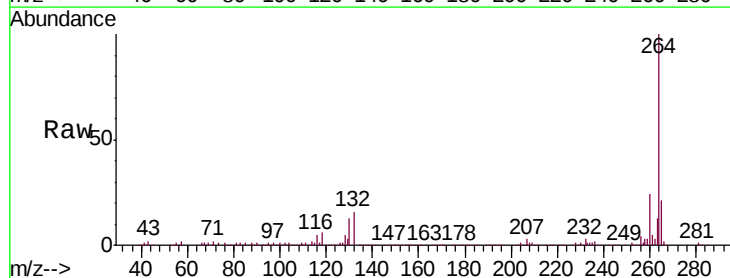
Tgt Ion:264 Resp: 281671

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.6

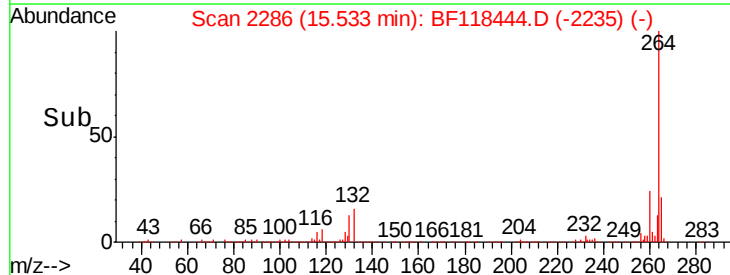
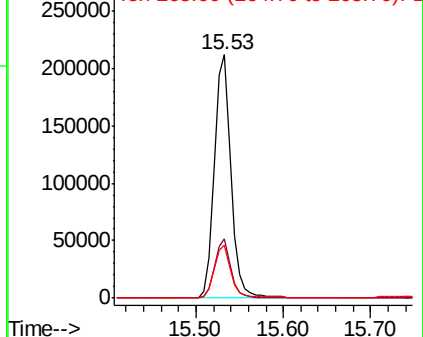
265 21.5 17.0 25.4

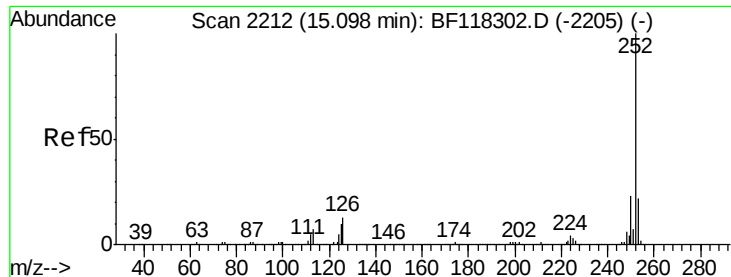


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

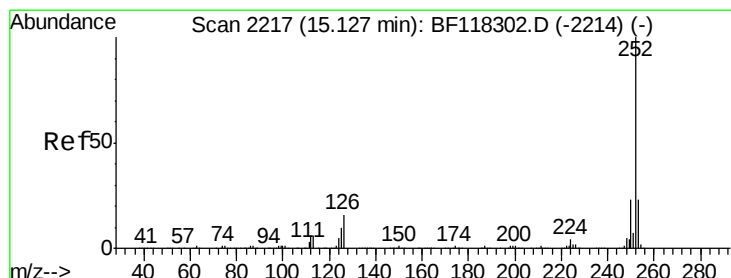
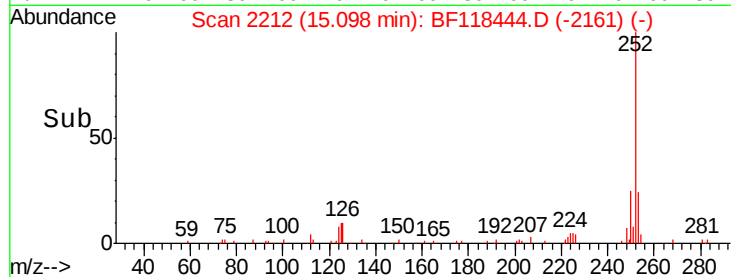
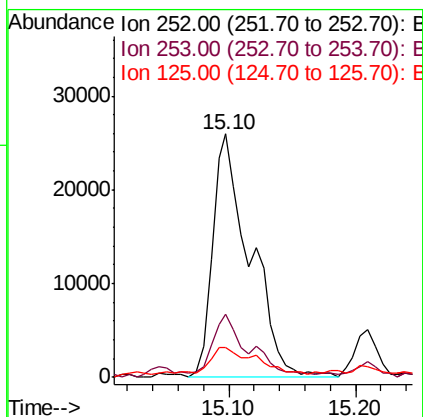
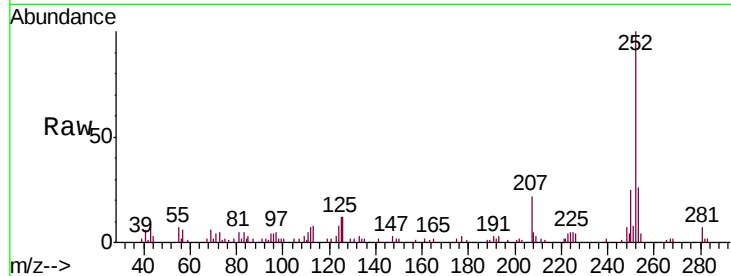




#88
Benzo(b)fluoranthene
Concen: 2.861 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

Instrument :
BNA_F
ClientSampleId :
GP-10-(10-12)

Tgt Ion:252 Resp: 53484
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 12.5 7.7 11.5#



#89
Benzo(k)fluoranthene
Concen: 2.979 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118444.D
Acq: 2 Jan 2020 19:19

Tgt Ion:252 Resp: 53484
Ion Ratio Lower Upper
252 100
253 25.7 18.0 27.0
125 12.5 8.0 12.0#

