

Data File : BF118449.D
Acq On : 2 Jan 2020 21:39
Operator : JU
Sample : K6465-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jan 03 02:13:40 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	98596	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	383814	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	192086	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	330448	20.00	ng	0.00
76) Chrysene-d12	14.04	240	209259	20.00	ng	-0.01
87) Perylene-d12	15.53	264	211157	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	527558	91.34	ng	0.00
7) Phenol-d6	6.49	99	762842	106.46	ng	0.00
23) Nitrobenzene-d5	7.42	82	422305	62.93	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	205101	86.46	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	872602	69.34	ng	-0.01
79) Terphenyl-d14	12.97	244	814785	64.60	ng	-0.01

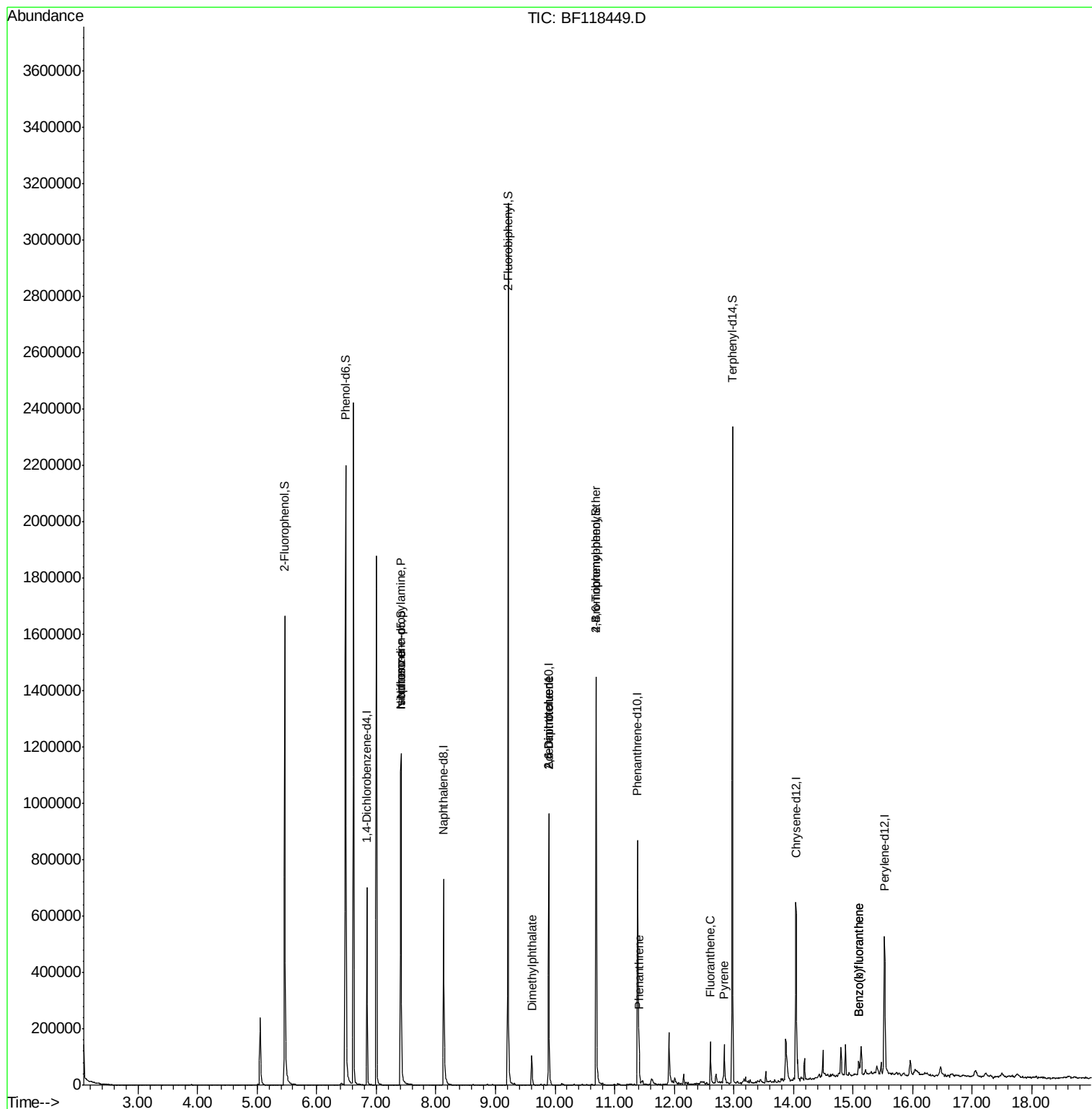
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.42	70	58426	13.236	ng	# 74
25) Isophorone	7.42	82	422302	36.109	ng	# 62
50) Dimethylphthalate	9.61	163	50880	3.529	ng	98
51) 2,6-Dinitrotoluene	9.89	165	23842	7.670	ng	# 28
57) 2,4-Dinitrotoluene	9.89	165	23842	5.740	ng	# 31
67) 4-Bromophenyl-phenylether	10.69	248	13107	3.389	ng	# 1
71) Phenanthrene	11.41	178	37385	2.075	ng	99
75) Fluoranthene	12.61	202	57868	3.183	ng	98
78) Pyrene	12.84	202	52225	3.056	ng	99
88) Benzo(b)fluoranthene	15.10	252	38115	2.719	ng	# 96
89) Benzo(k)fluoranthene	15.10	252	38115	2.832	ng	97

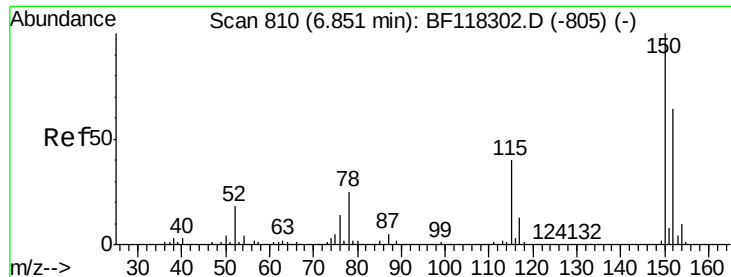
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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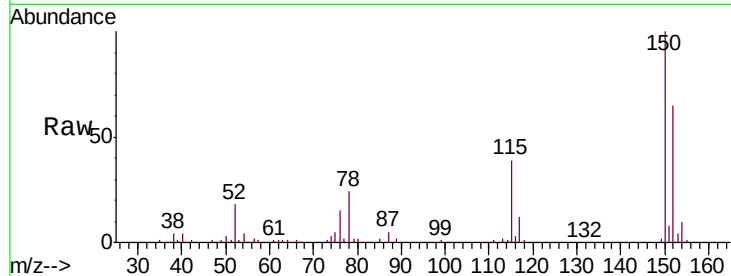




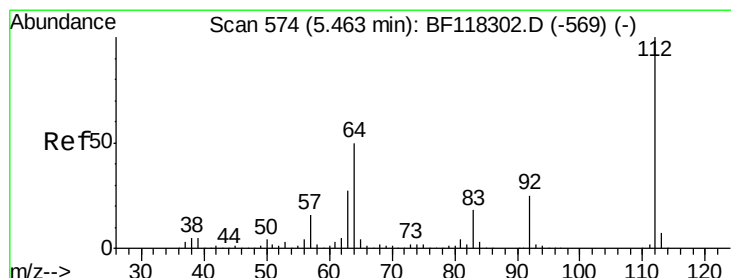
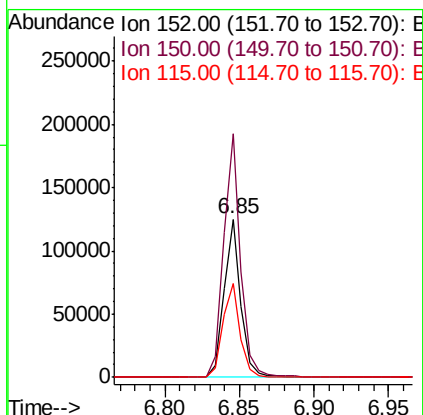
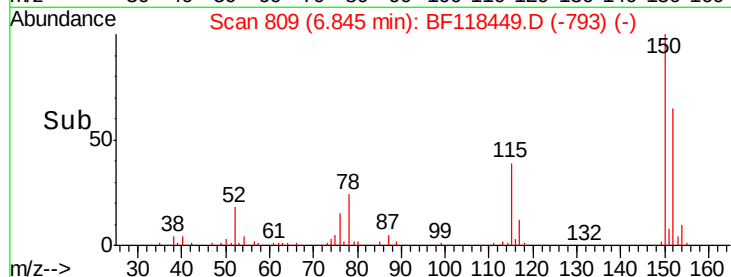
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118449.D
 Acq: 2 Jan 2020 21:39

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

Tgt Ion:152 Resp: 98596
 Ion Ratio Lower Upper
 152 100
 150 154.0 125.4 188.2
 115 59.3 50.2 75.4

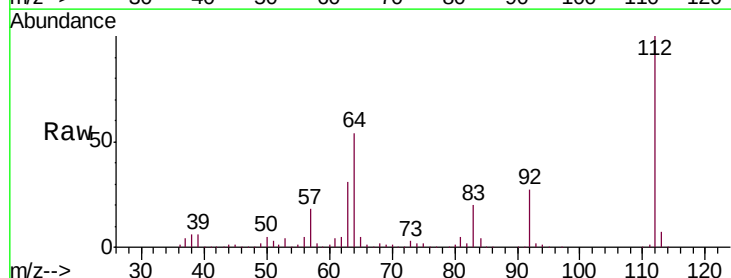


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

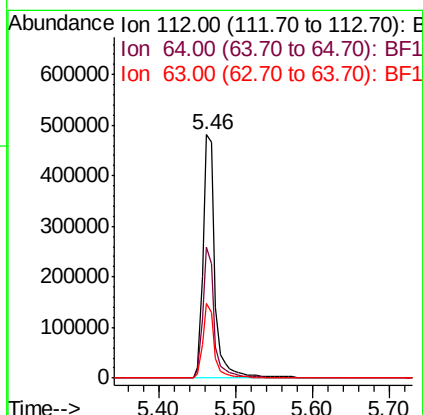
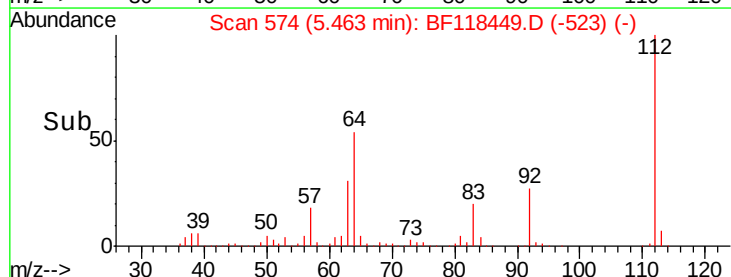


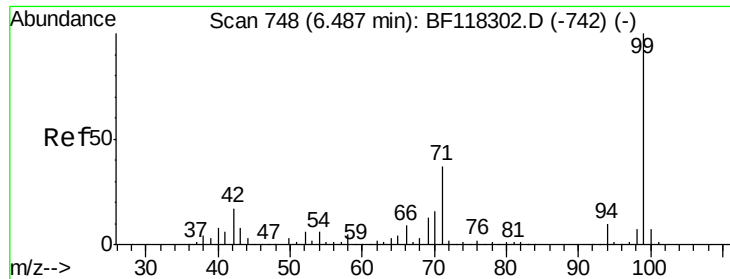
#5
 2-Fluorophenol
 Concen: 91.336 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF118449.D
 Acq: 2 Jan 2020 21:39

Tgt Ion:112 Resp: 527558
 Ion Ratio Lower Upper
 112 100
 64 53.9 39.7 59.5
 63 30.9 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: 106.463 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118449.D

Acq: 2 Jan 2020 21:39

Instrument :

BNA_F

ClientSampleId :

GP-4-(3-5)

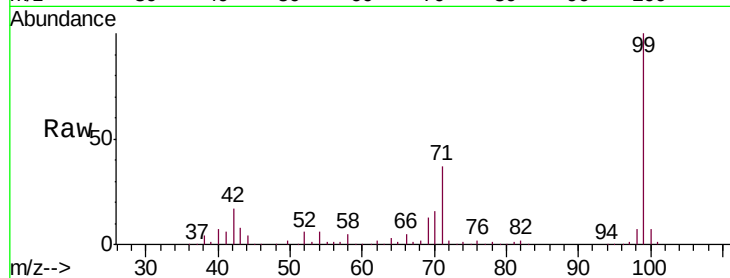
Tgt Ion: 99 Resp: 762842

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

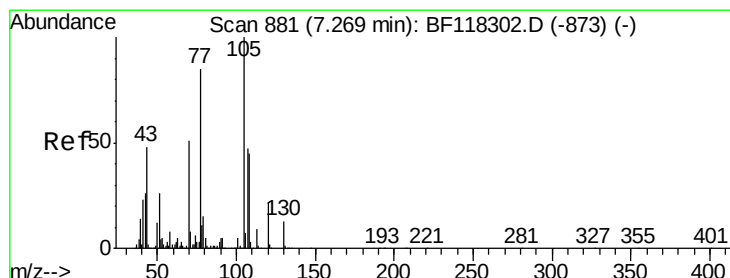
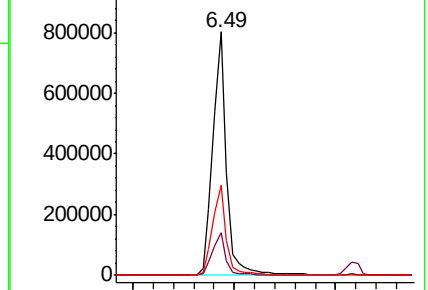
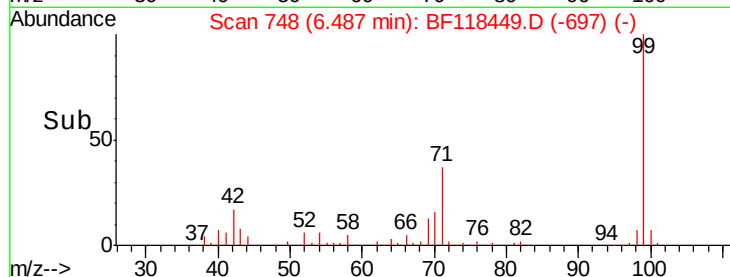
71 36.8 29.4 44.2



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: 13.236 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118449.D

Acq: 2 Jan 2020 21:39

Tgt Ion: 70 Resp: 58426

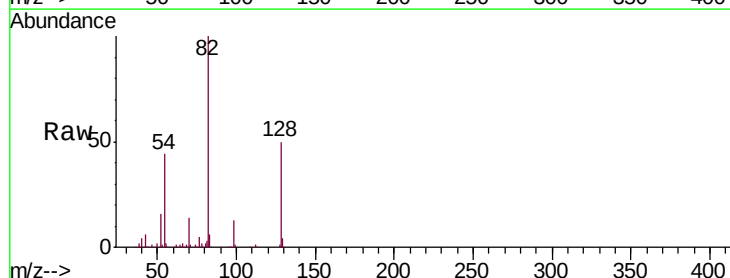
Ion Ratio Lower Upper

70 100

42 40.9 41.1 61.7#

101 0.0 8.3 12.5#

130 1.7 20.1 30.1#

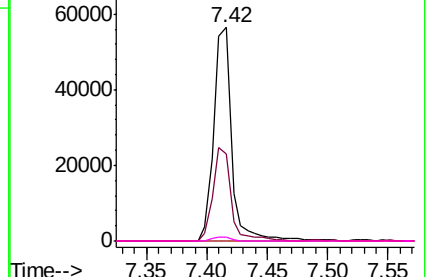
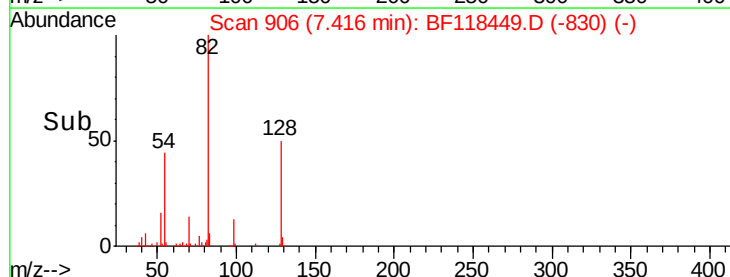


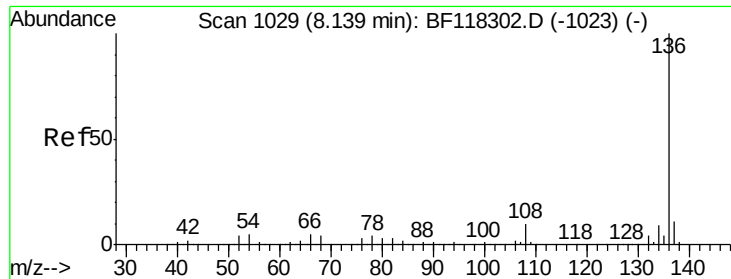
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

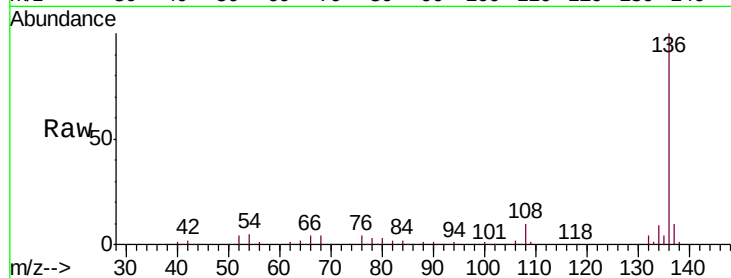




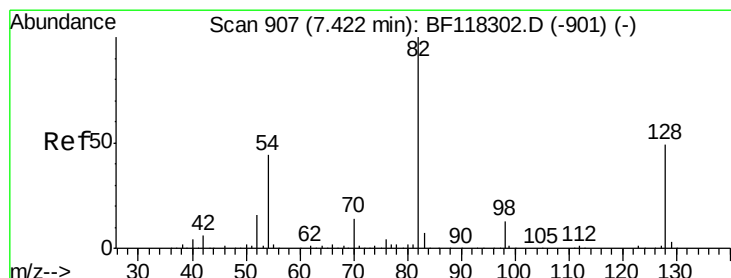
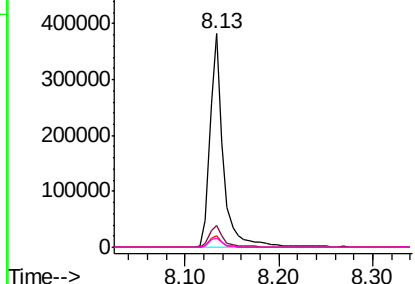
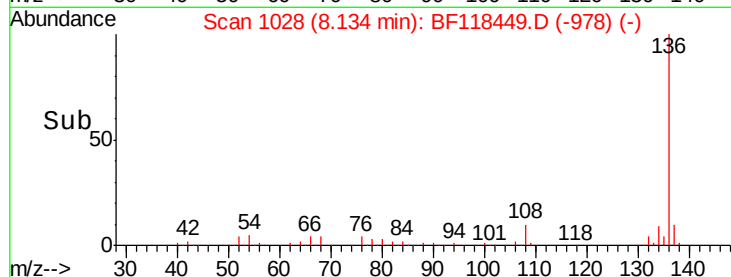
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

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

Tgt Ion:	136	Resp:	383814
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	5.3	4.2	6.4
68	3.9	3.5	5.3

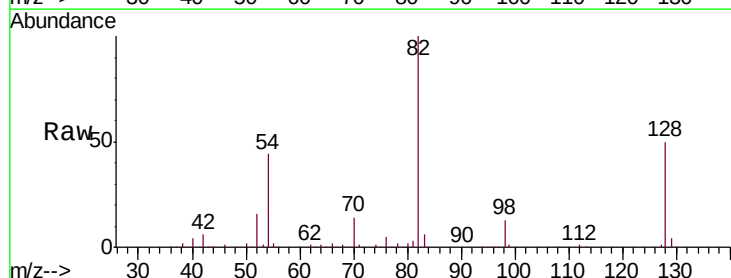


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

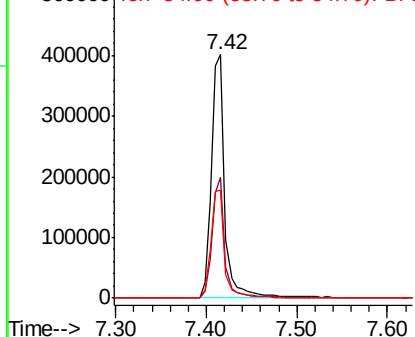
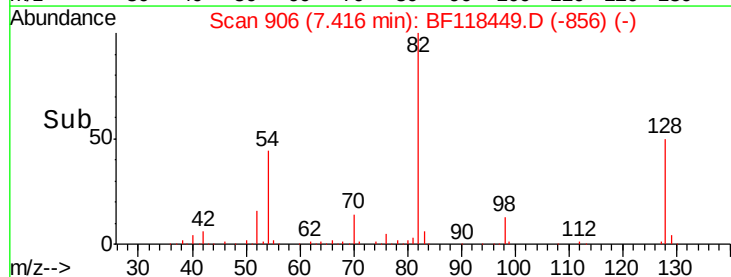


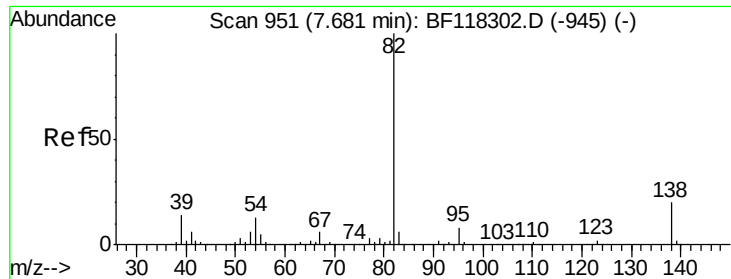
#23
Nitrobenzene-d5
Concen: 62.931 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

Tgt Ion:	82	Resp:	422305
Ion	Ratio	Lower	Upper
82	100		
128	49.6	39.6	59.4
54	44.2	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: 36.109 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118449.D

Acq: 2 Jan 2020 21:39

Instrument :

BNA_F

ClientSampleId :

GP-4-(3-5)

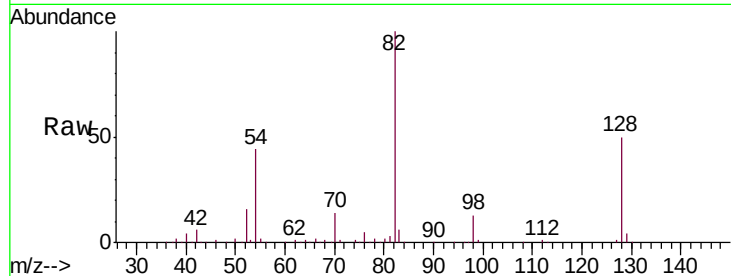
Tgt Ion: 82 Resp: 422302

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

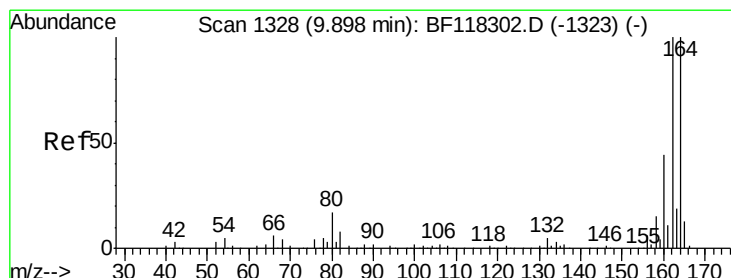
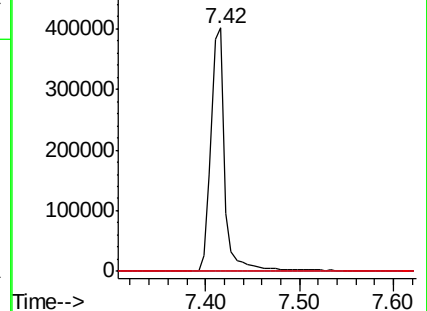
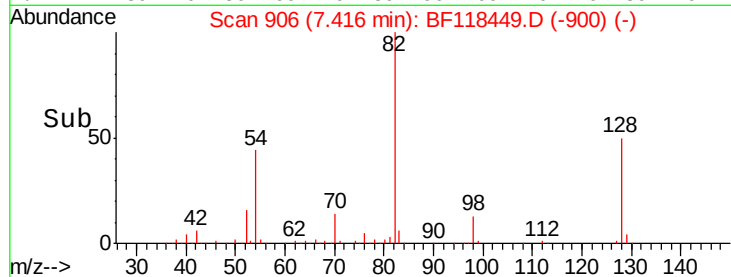
138 0.0 16.2 24.2#



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: BF118449.D

Acq: 2 Jan 2020 21:39

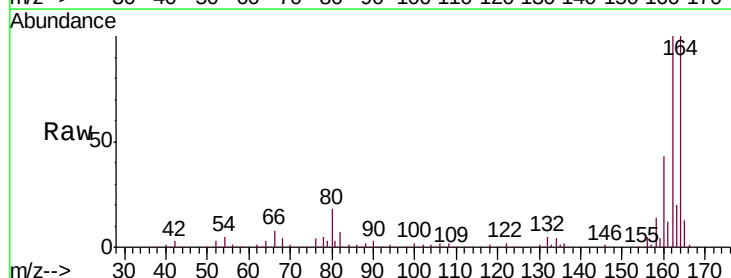
Tgt Ion: 164 Resp: 192086

Ion Ratio Lower Upper

164 100

162 99.6 80.0 120.0

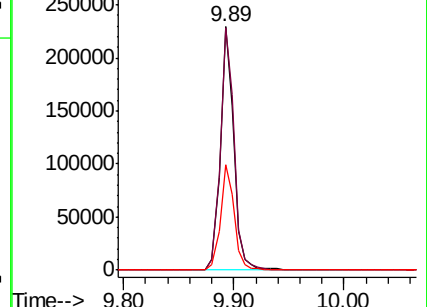
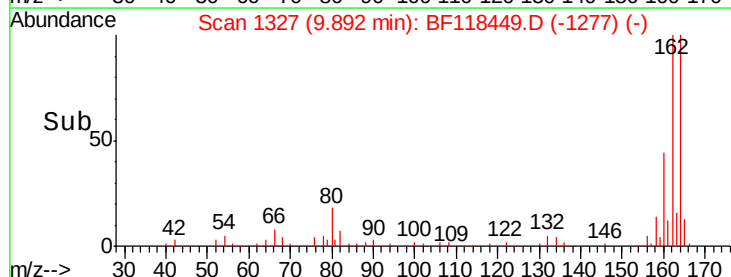
160 43.4 34.8 52.2

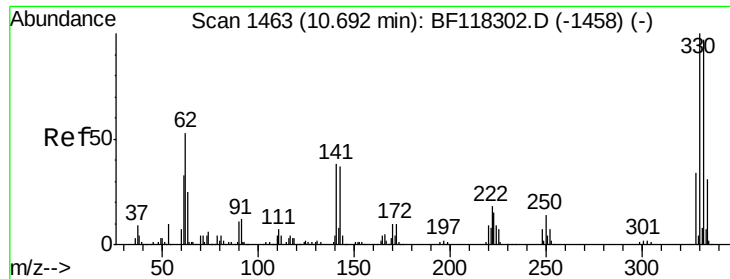


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

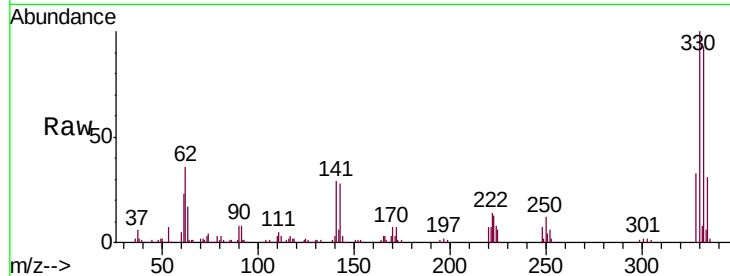




#42
 2,4,6-Tribromophenol
 Concen: 86.463 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118449.D
 Acq: 2 Jan 2020 21:39

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	114.8
141	34.9	26.0	39.0

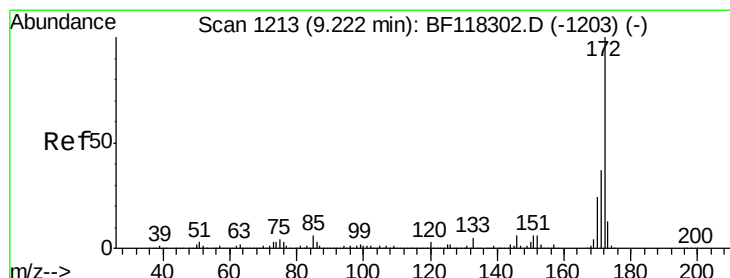
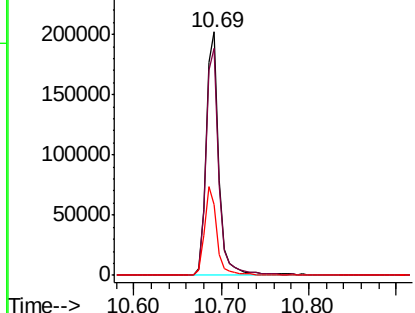
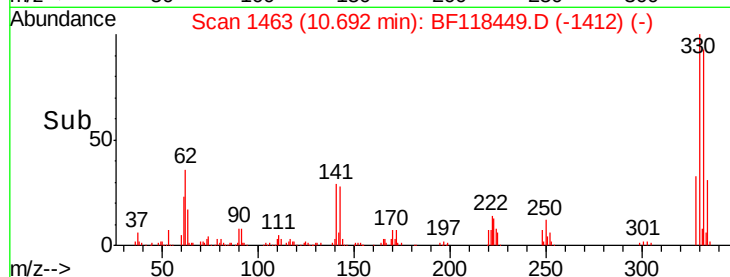


Abundance

Ion 329.80 (329.50 to 330.50): E

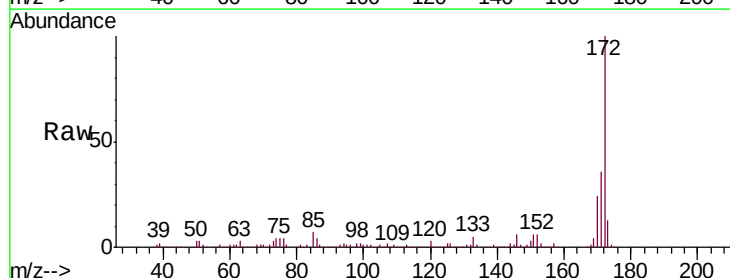
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 69.344 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF118449.D
 Acq: 2 Jan 2020 21:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	23.6	19.2	28.8

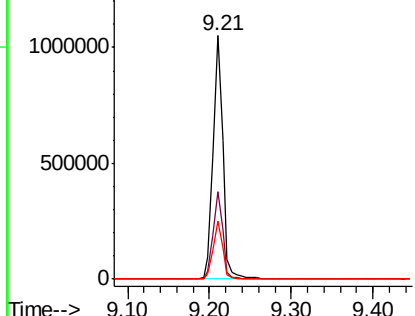
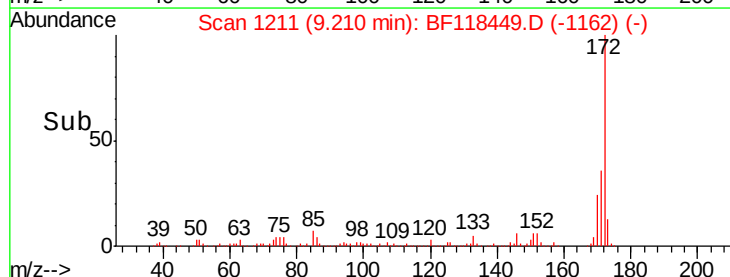


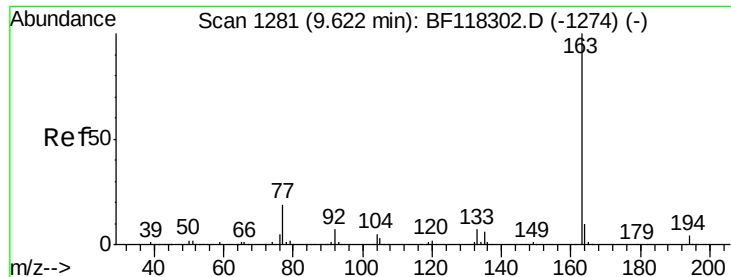
Abundance

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

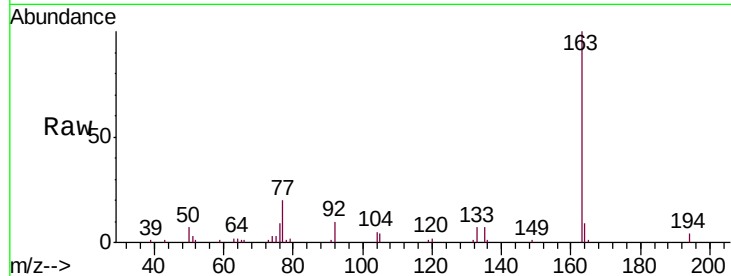




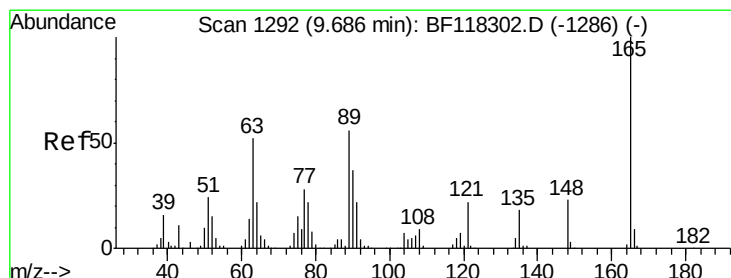
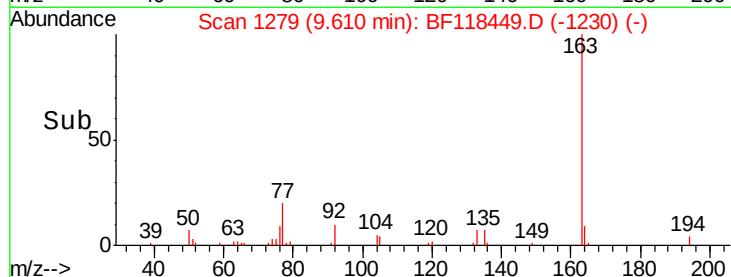
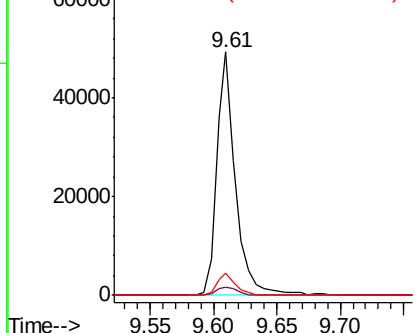
#50
Dimethylphthalate
Concen: 3.529 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118449.D
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Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	9.2	7.9	11.9

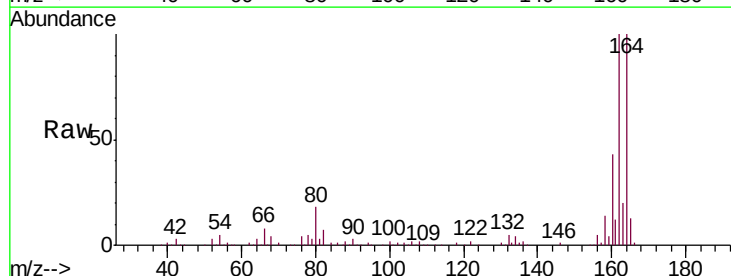


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

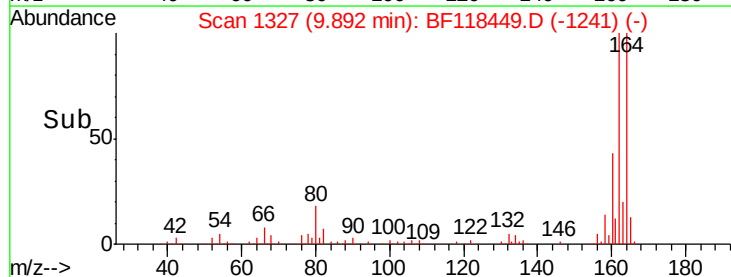
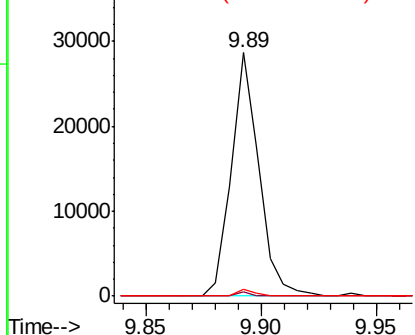


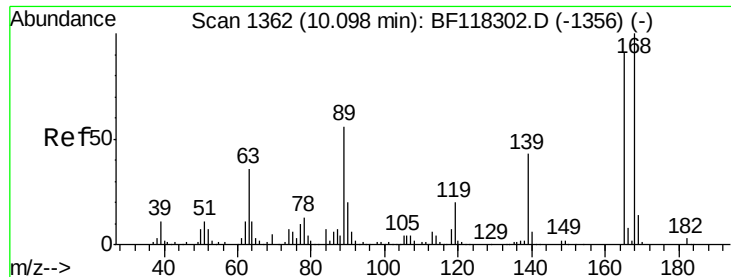
#51
2,6-Dinitrotoluene
Concen: 7.670 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.2	63.4#
89	2.7	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

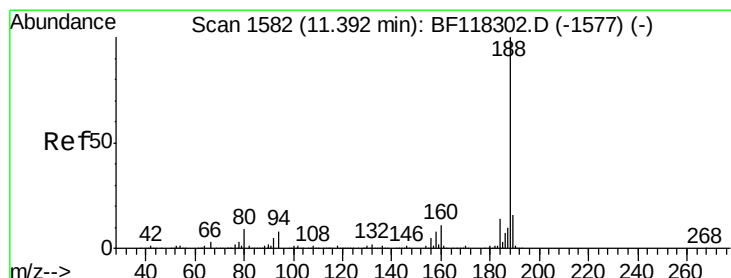
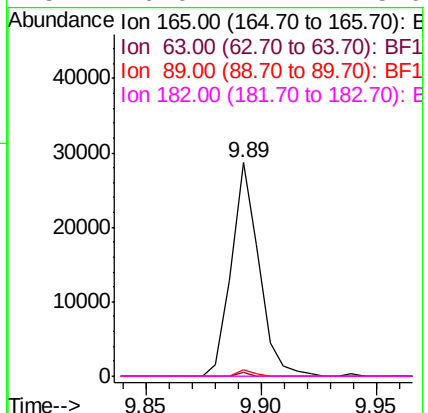
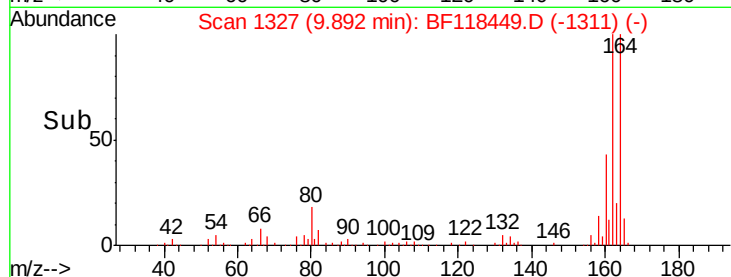
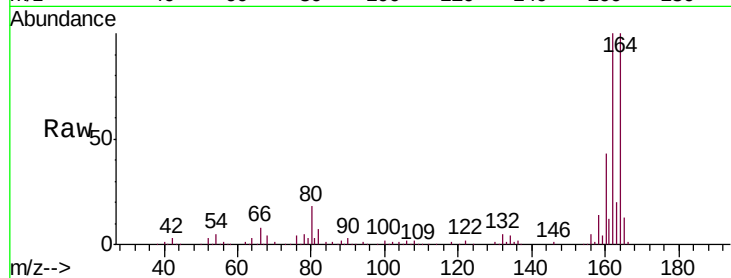




#57
2,4-Dinitrotoluene
Concen: 5.740 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.21 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

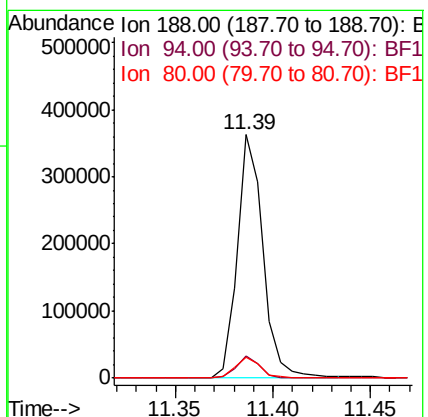
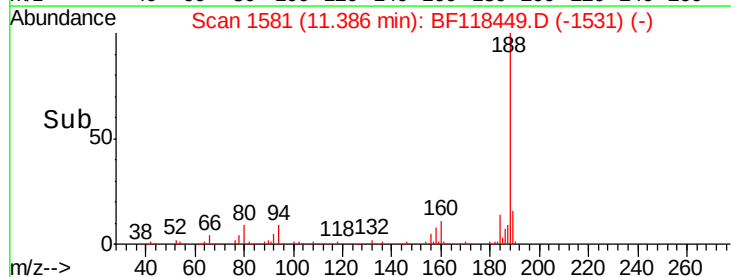
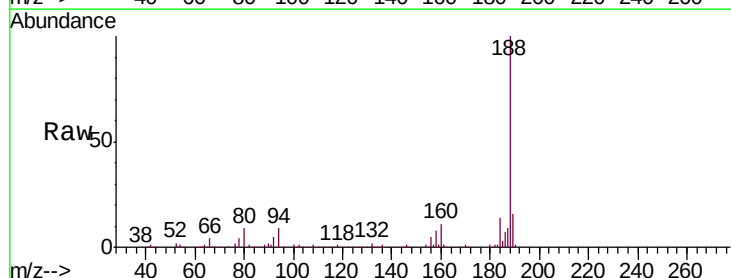
Instrument :
BNA_F
ClientSampleId :
GP-4-(3-5)

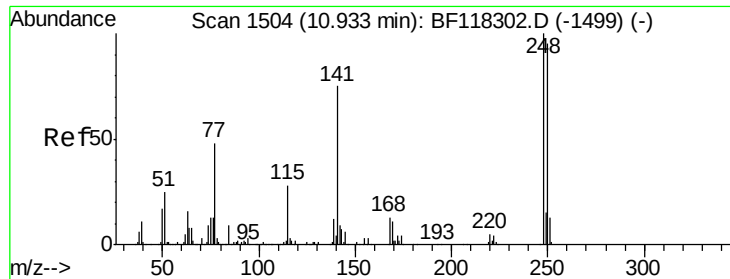
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	32.0	48.0#
89	2.7	49.3	73.9#
182	0.0	2.4	3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.7	10.1
80	8.7	7.2	10.8

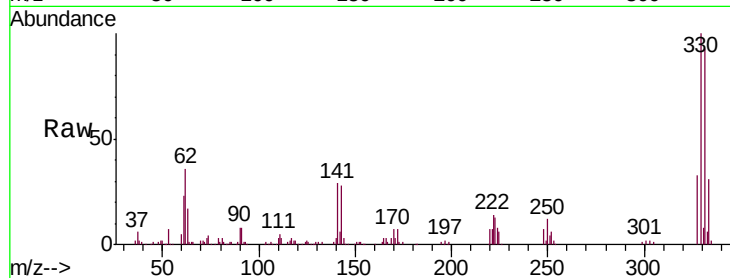




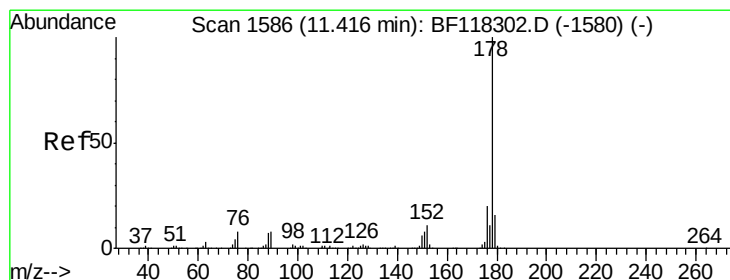
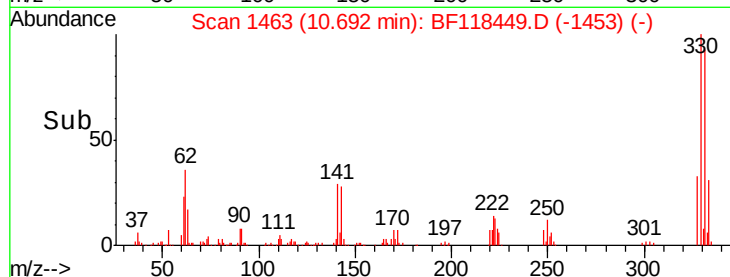
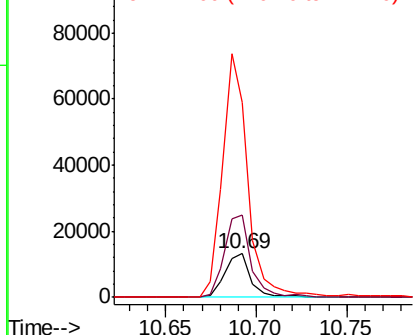
#67
 4-Bromophenyl-phenylether
 Concen: 3.389 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118449.D
 Acq: 2 Jan 2020 21:39

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

Tgt Ion:248 Resp: 13107
 Ion Ratio Lower Upper
 248 100
 250 190.0 76.4 114.6#
 141 447.1 60.2 90.2#

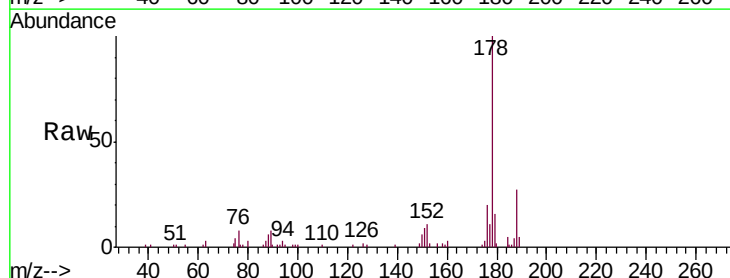


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

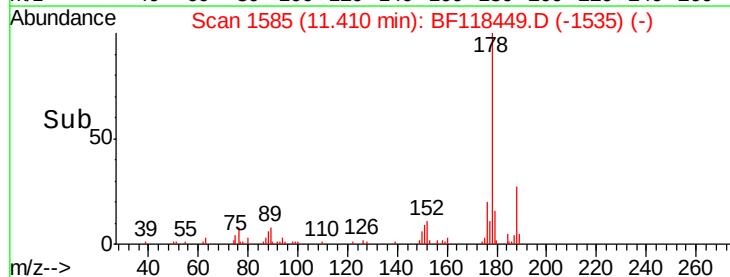
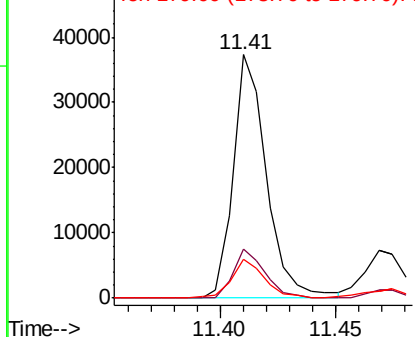


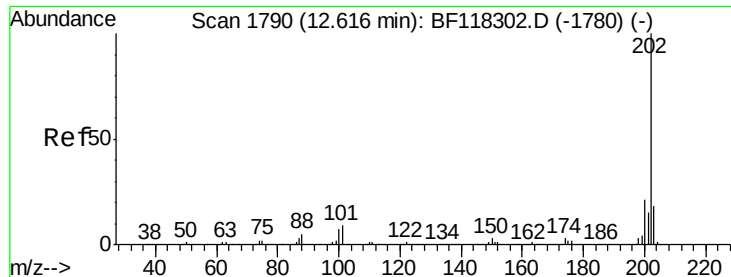
#71
 Phenanthrene
 Concen: 2.075 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF118449.D
 Acq: 2 Jan 2020 21:39

Tgt Ion:178 Resp: 37385
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.6 23.4
 179 15.8 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

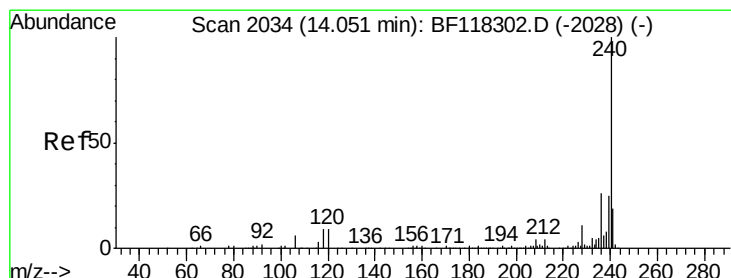
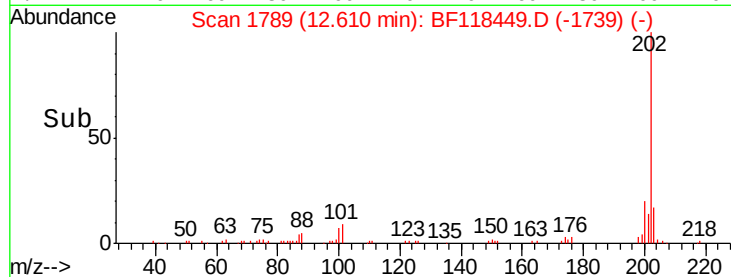
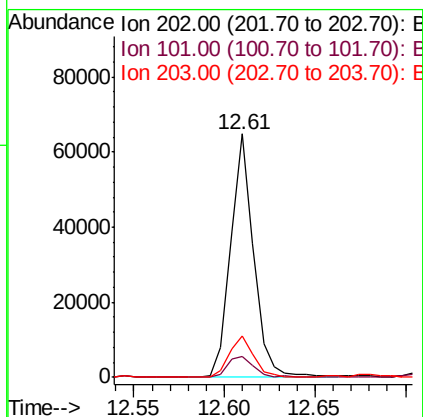
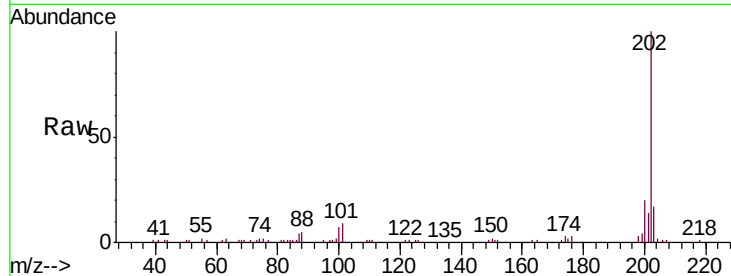




#75
Fluoranthene
Concen: 3.183 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

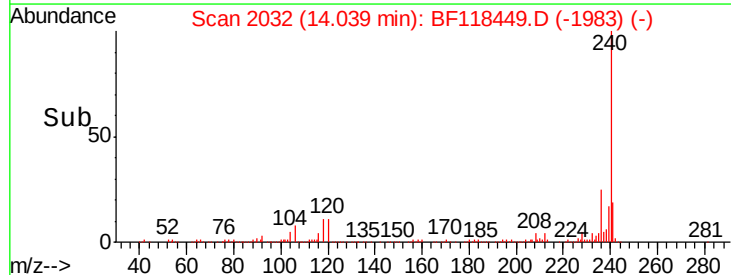
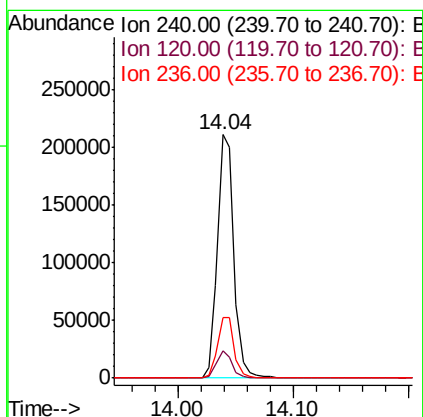
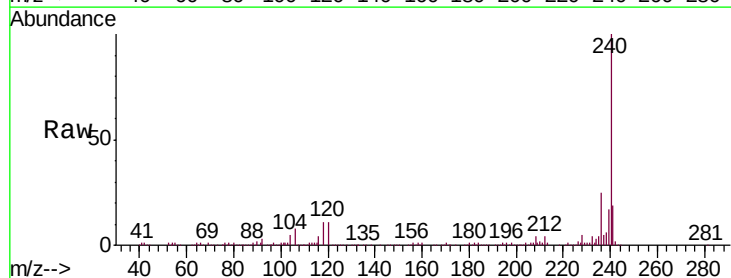
Instrument :
BNA_F
ClientSampleId :
GP-4-(3-5)

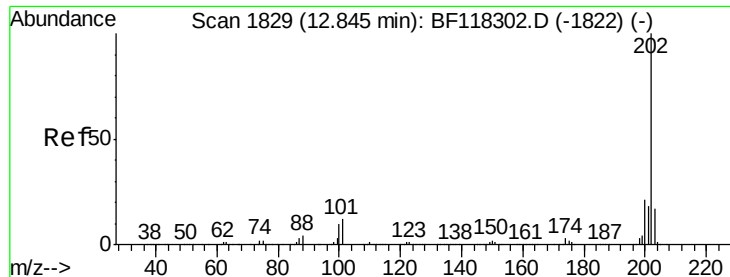
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	29.5
203	16.9	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.1	10.7#
236	24.6	21.0	31.6





#78

Pyrene

Concen: 3.056 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118449.D

Acq: 2 Jan 2020 21:39

Instrument :

BNA_F

ClientSampleId :

GP-4-(3-5)

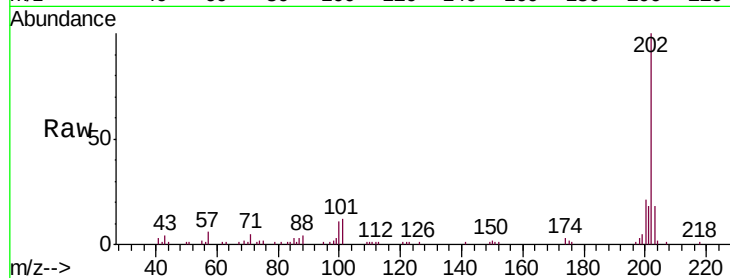
Tgt Ion:202 Resp: 52225

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

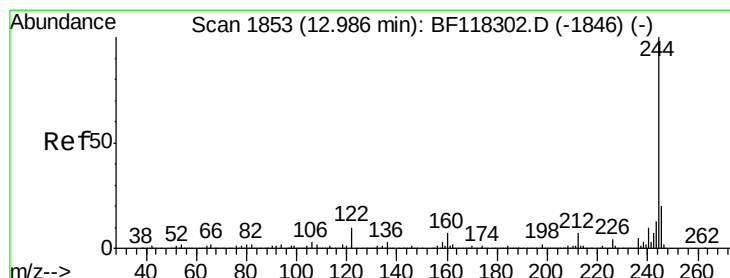
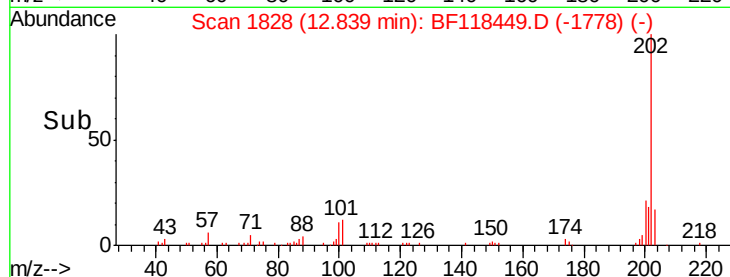
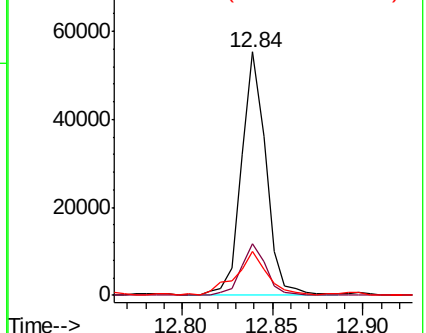
203 17.9 13.9 20.9



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: 64.597 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF118449.D

Acq: 2 Jan 2020 21:39

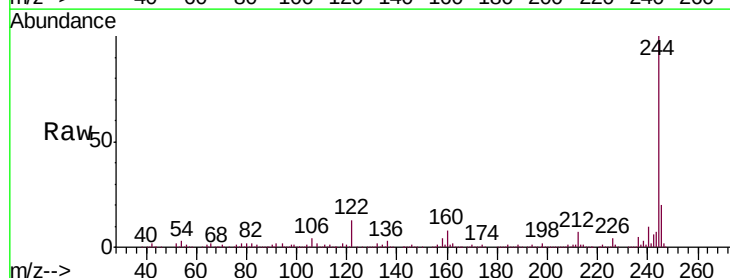
Tgt Ion:244 Resp: 814785

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

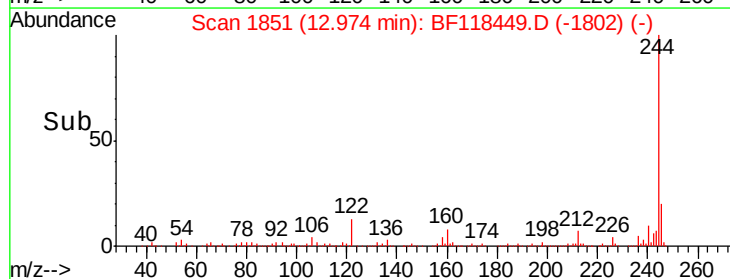
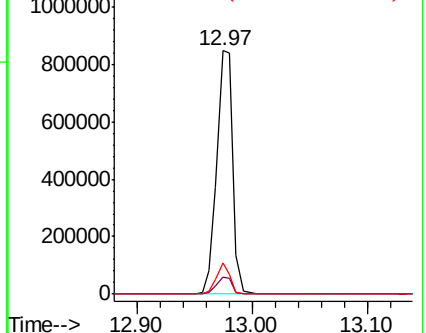
122 12.5 7.8 11.8#

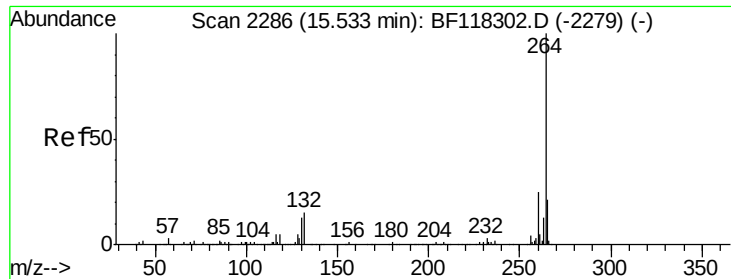


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

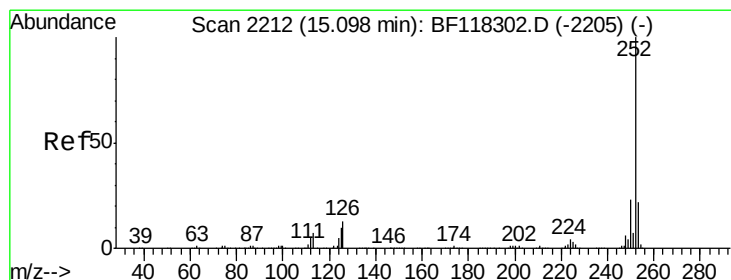
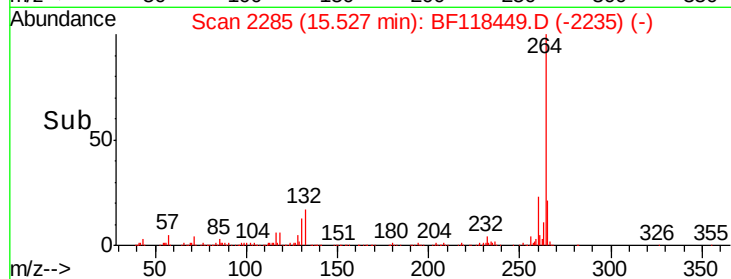
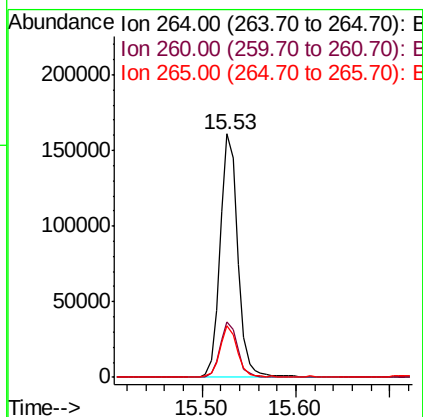
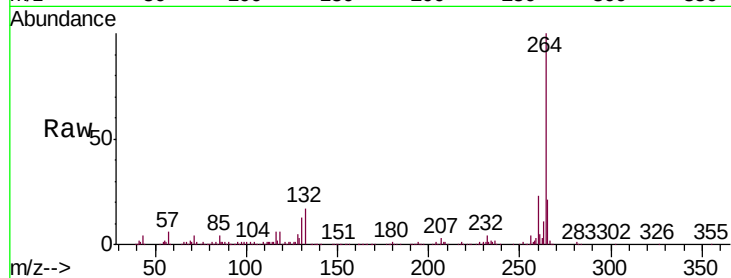




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.01 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

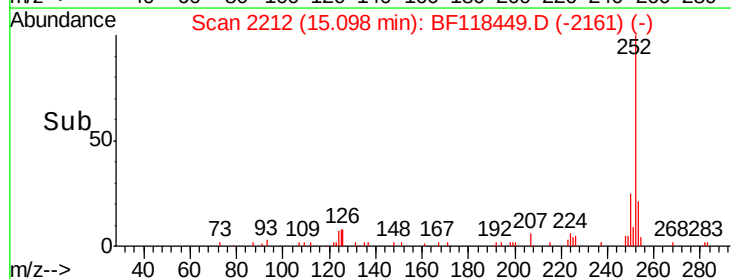
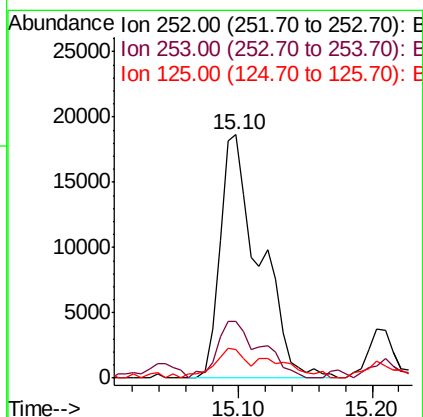
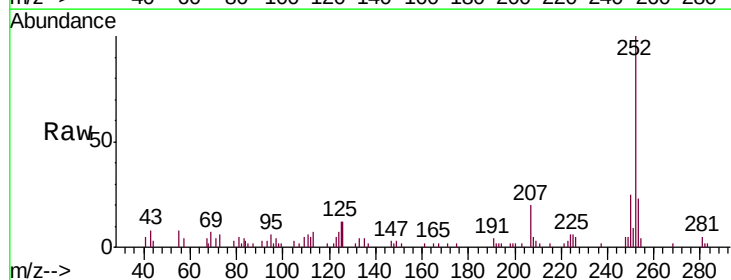
Instrument :
BNA_F
ClientSampleId :
GP-4-(3-5)

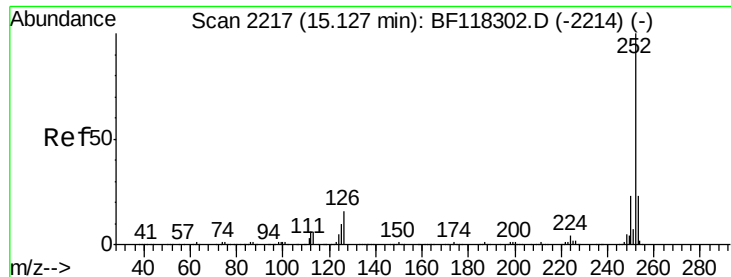
Tgt Ion:264 Resp: 211157
Ion Ratio Lower Upper
264 100
260 23.0 19.8 29.6
265 21.5 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 2.719 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118449.D
Acq: 2 Jan 2020 21:39

Tgt Ion:252 Resp: 38115
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.9 7.7 11.5#





#89

Benzo(k)fluoranthene

Concen: 2.832 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.03 min

Lab File: BF118449.D

Acq: 2 Jan 2020 21:39

Instrument :

BNA_F

ClientSampleId :

GP-4-(3-5)

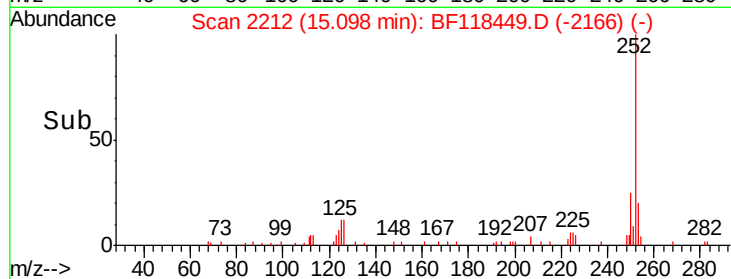
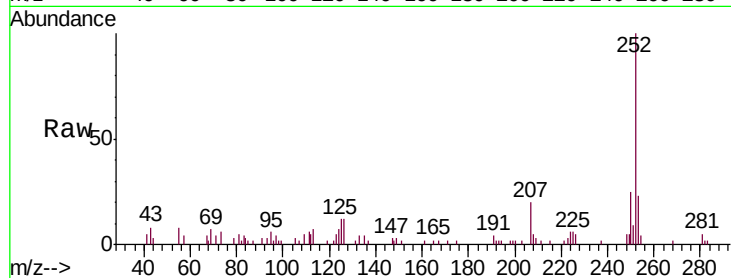
Tgt Ion:252 Resp: 38115

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 11.9 8.0 12.0



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

