

Data File : BF118448.D
Acq On : 2 Jan 2020 21:11
Operator : JU
Sample : K6465-07RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Quant Time: Jan 03 02:13:22 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	96883	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	360661	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	204375	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	331654	20.00	ng	0.00
76) Chrysene-d12	14.04	240	214485	20.00	ng	0.00
87) Perylene-d12	15.53	264	205885	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	531241	93.60	ng	0.00
7) Phenol-d6	6.49	99	698007	99.14	ng	0.00
23) Nitrobenzene-d5	7.41	82	430467	68.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	199423	79.01	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	717789	53.61	ng	-0.01
79) Terphenyl-d14	12.97	244	674812	52.20	ng	-0.01

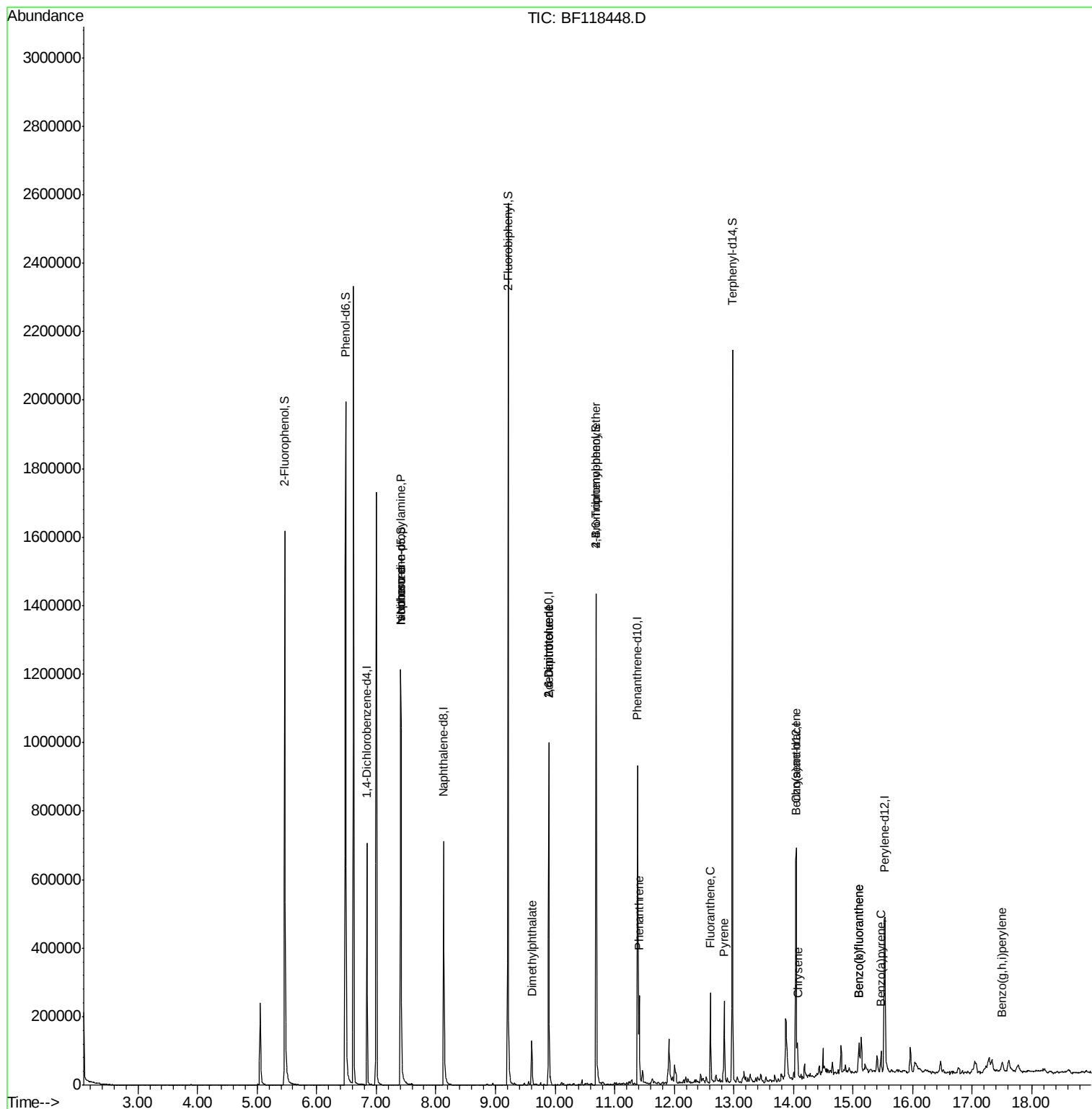
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	58687	13.530	ng	# 79
25) Isophorone	7.41	82	430463	39.170	ng	# 62
50) Dimethylphthalate	9.61	163	63218	4.121	ng	98
51) 2,6-Dinitrotoluene	9.89	165	25109	7.592	ng	# 27
57) 2,4-Dinitrotoluene	9.89	165	25109	5.681	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	12048	3.104	ng	# 1
71) Phenanthrene	11.41	178	95666	5.291	ng	98
75) Fluoranthene	12.61	202	100632	5.515	ng	100
78) Pyrene	12.84	202	92772	5.297	ng	99
81) Benzo(a)anthracene	14.03	228	43946	2.927	ng	98
83) Chrysene	14.07	228	38639	2.688	ng	97
88) Benzo(b)fluoranthene	15.10	252	64096	4.690	ng	# 96
89) Benzo(k)fluoranthene	15.10	252	64096	4.884	ng	# 97
90) Benzo(a)pyrene	15.47	252	31184	2.590	ng	97
92) Benzo(g,h,i)perylene	17.50	276	20572	2.038	ng	# 91

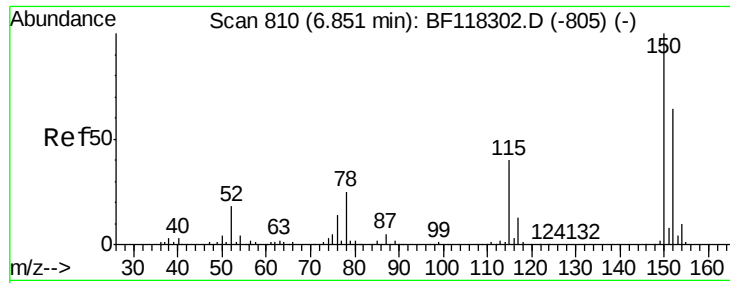
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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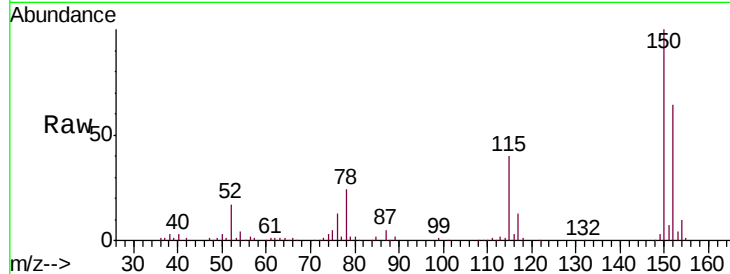


#1

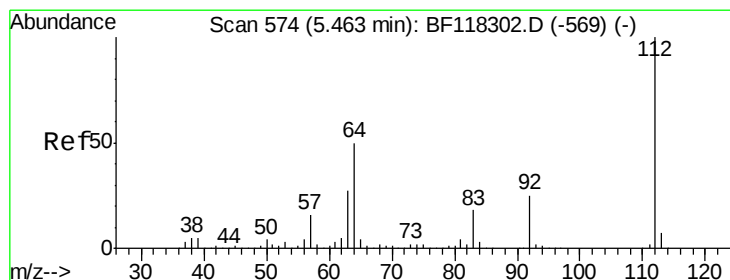
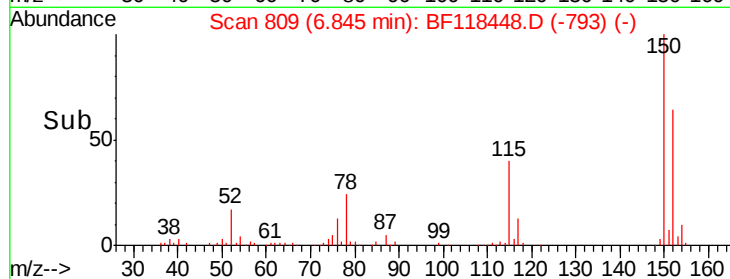
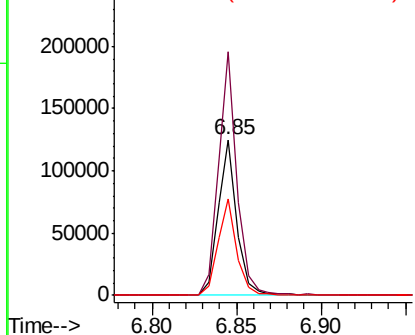
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Tgt Ion:152 Resp: 96883
Ion Ratio Lower Upper
152 100
150 156.3 125.4 188.2
115 62.2 50.2 75.4



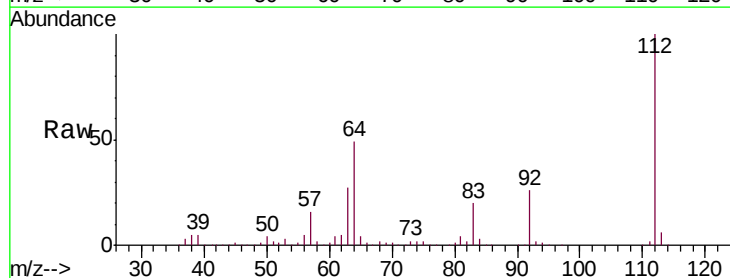
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



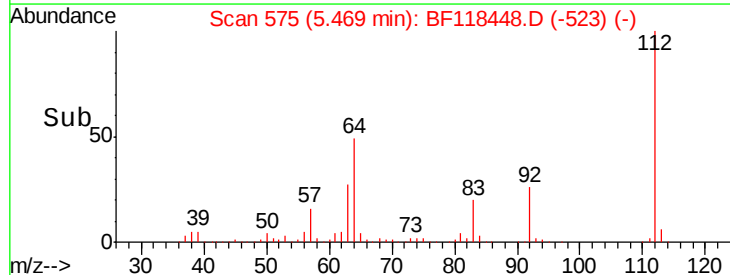
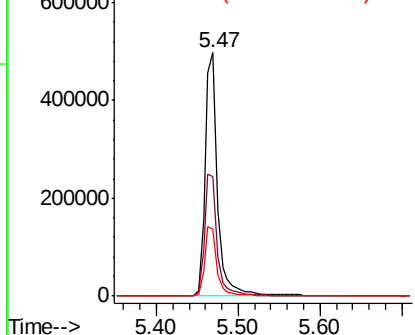
#5

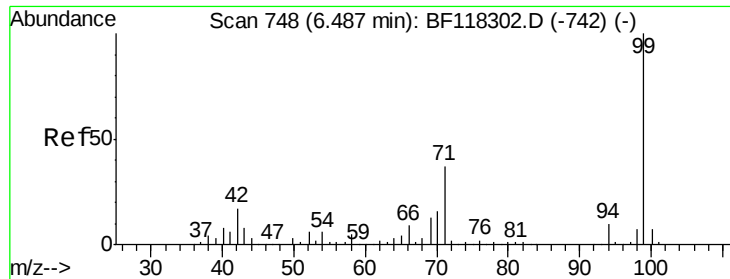
2-Fluorophenol
Concen: 93.600 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

Tgt Ion:112 Resp: 531241
Ion Ratio Lower Upper
112 100
64 49.2 39.7 59.5
63 27.4 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: 99.137 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118448.D

Acq: 2 Jan 2020 21:11

Instrument :

BNA_F

ClientSampleId :

GP-4-(1-3)

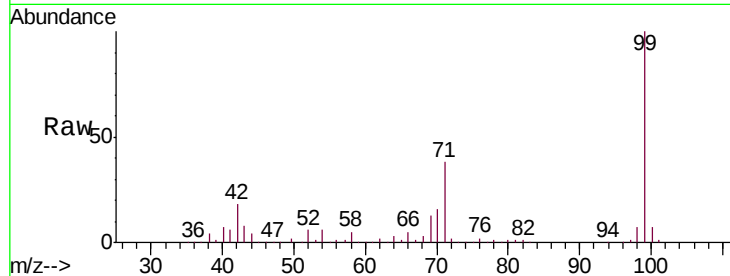
Tgt Ion: 99 Resp: 698007

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

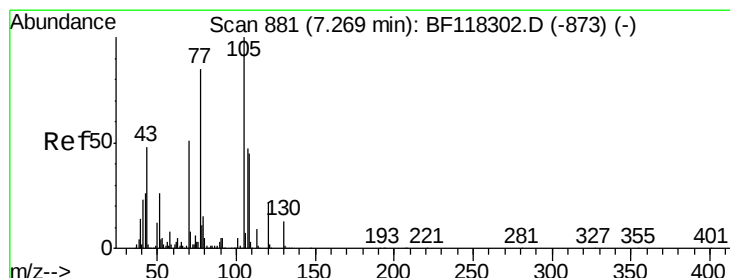
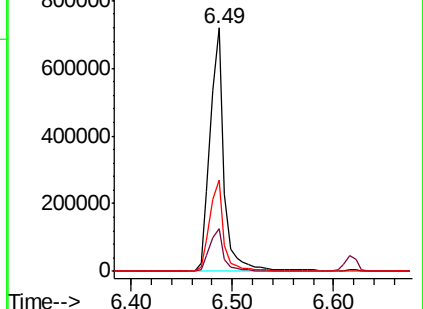
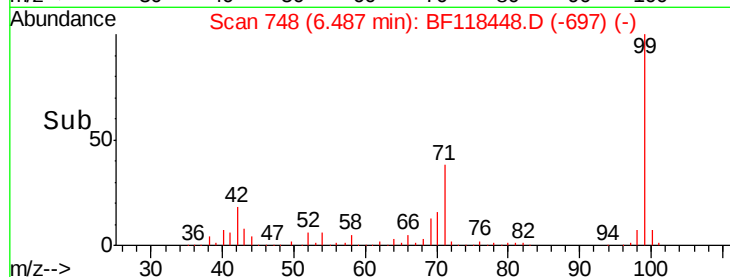
71 37.7 29.4 44.2



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: 13.530 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF118448.D

Acq: 2 Jan 2020 21:11

Tgt Ion: 70 Resp: 58687

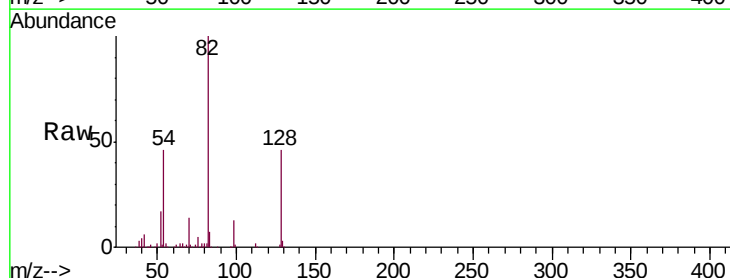
Ion Ratio Lower Upper

70 100

42 45.8 41.1 61.7

101 0.0 8.3 12.5#

130 2.6 20.1 30.1#

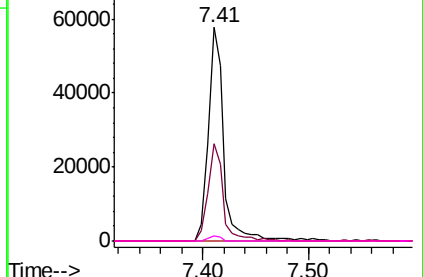
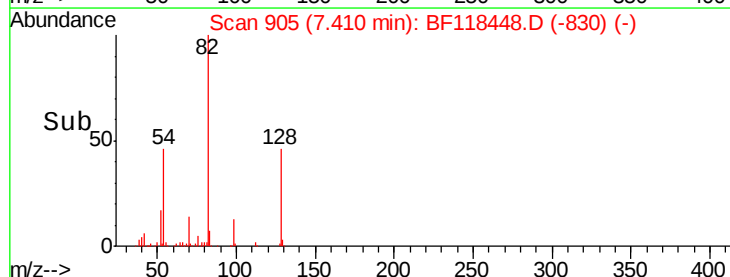


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

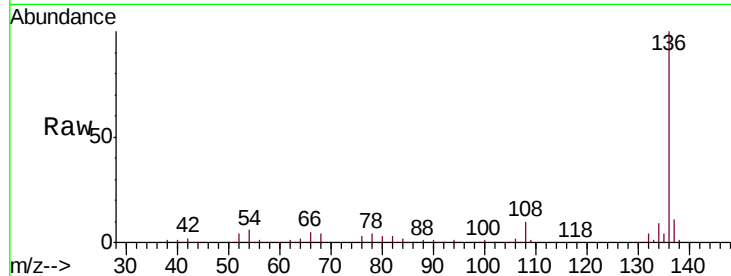




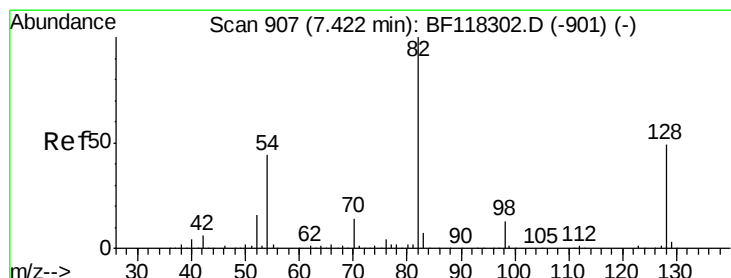
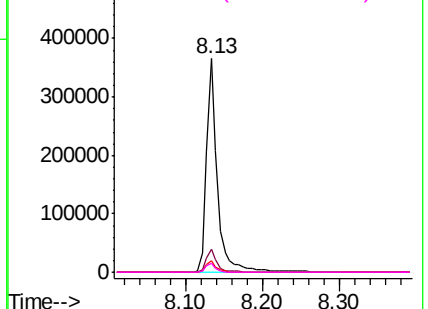
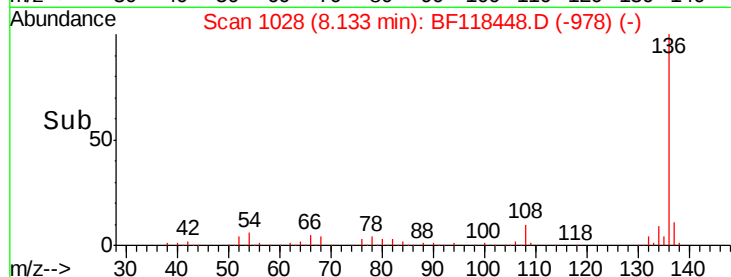
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Tgt Ion:	136	Resp:	360661
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.5	4.2	6.4
68	4.4	3.5	5.3

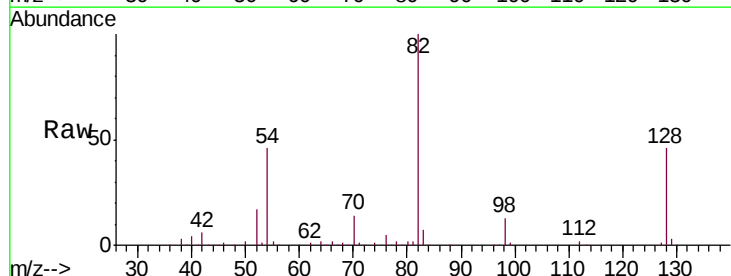


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

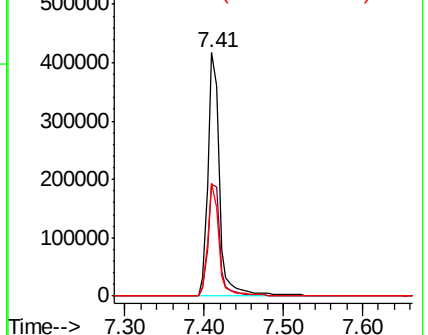
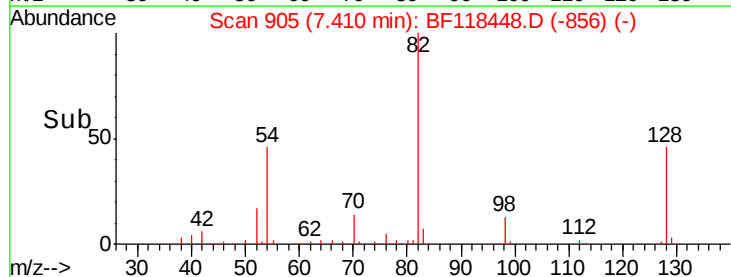


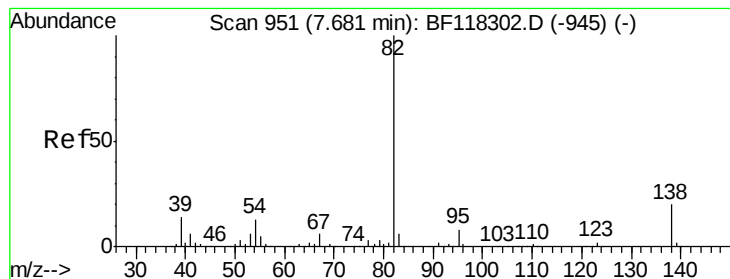
#23
Nitrobenzene-d5
Concen: 68.265 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

Tgt Ion:	82	Resp:	430467
Ion	Ratio	Lower	Upper
82	100		
128	46.0	39.6	59.4
54	46.2	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: 39.170 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF118448.D

Acq: 2 Jan 2020 21:11

Instrument :

BNA_F

ClientSampled :

GP-4-(1-3)

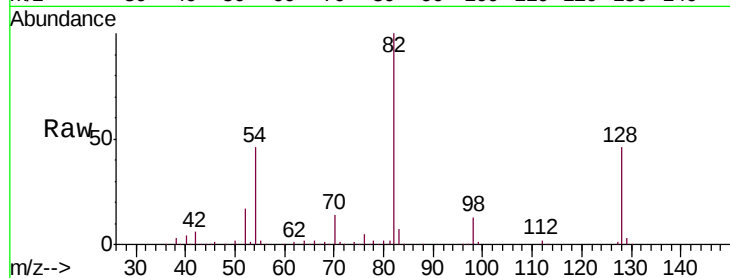
Tgt Ion: 82 Resp: 430463

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

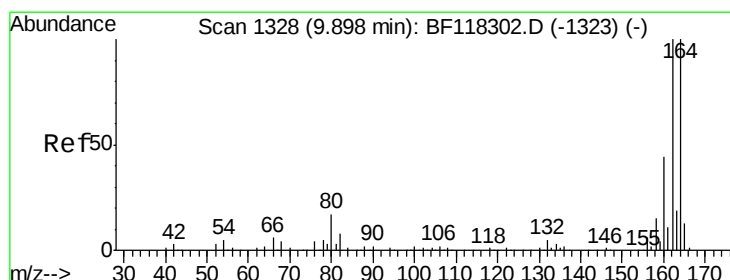
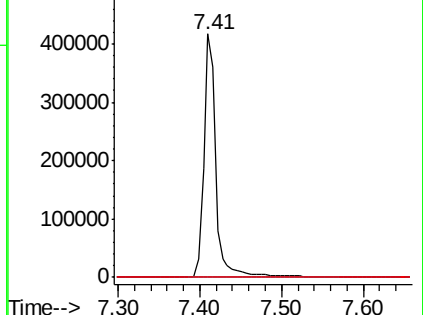
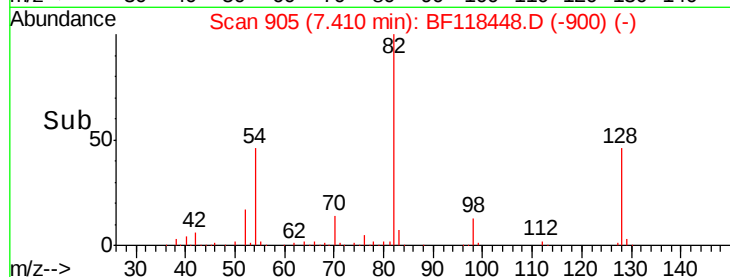
138 0.0 16.2 24.2#



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: BF118448.D

Acq: 2 Jan 2020 21:11

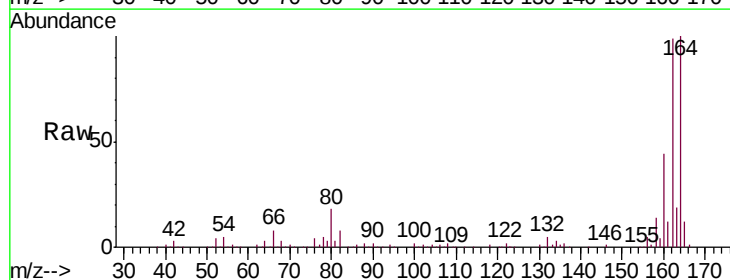
Tgt Ion: 164 Resp: 204375

Ion Ratio Lower Upper

164 100

162 99.1 80.0 120.0

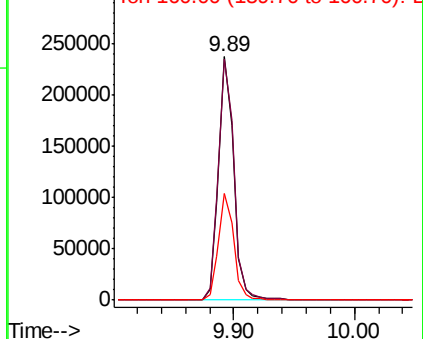
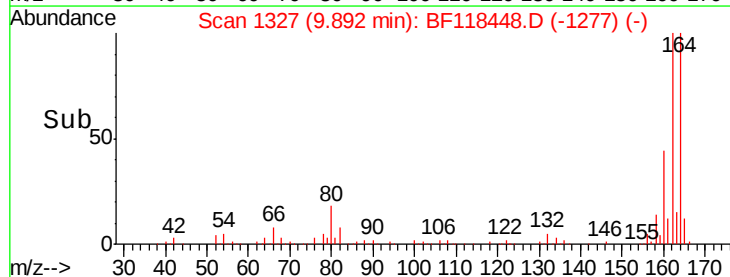
160 43.9 34.8 52.2

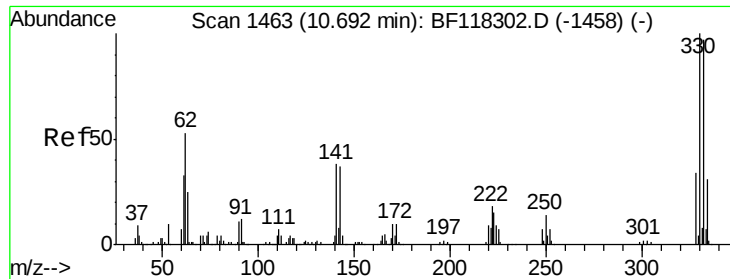


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

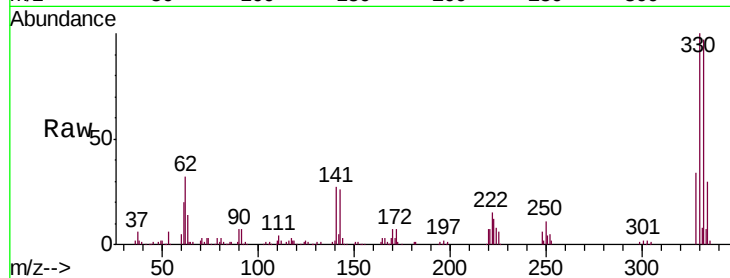




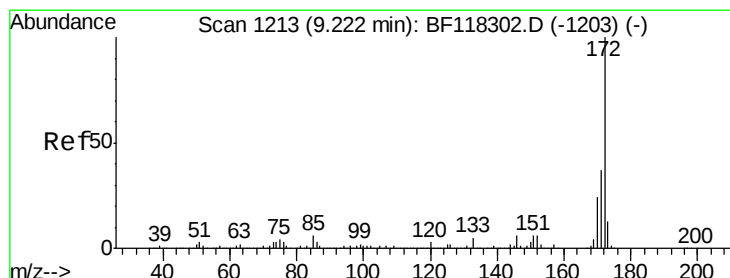
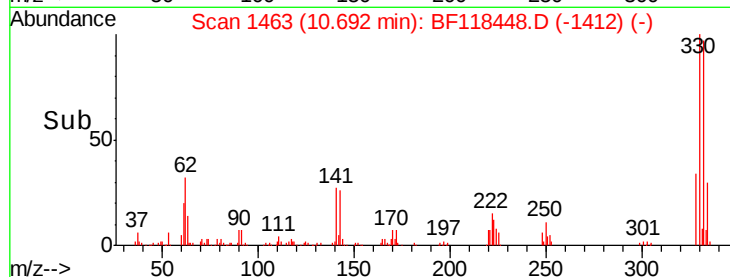
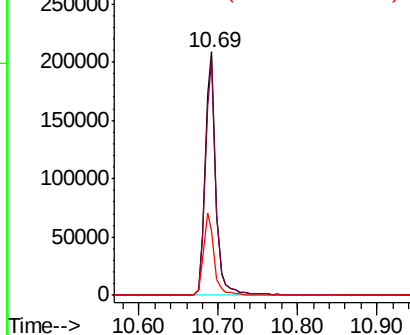
#42
 2,4,6-Tribromophenol
 Concen: 79.014 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF118448.D
 Acq: 2 Jan 2020 21:11

Instrument :
 BNA_F
 ClientSampled :
 GP-4-(1-3)

Tgt Ion:330 Resp: 199423
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 34.0 26.0 39.0

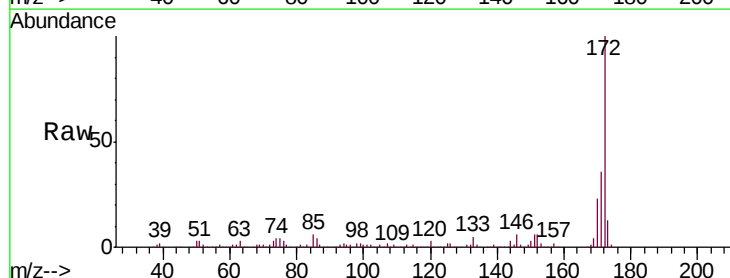


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

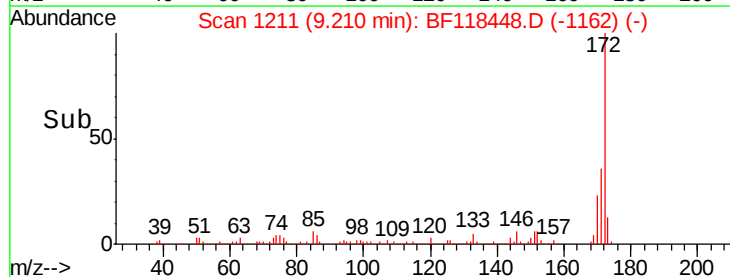
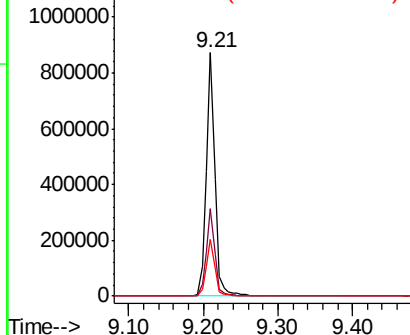


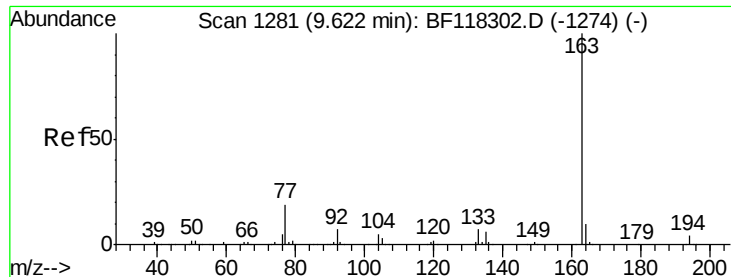
#45
 2-Fluorobiphenyl
 Concen: 53.611 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF118448.D
 Acq: 2 Jan 2020 21:11

Tgt Ion:172 Resp: 717789
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

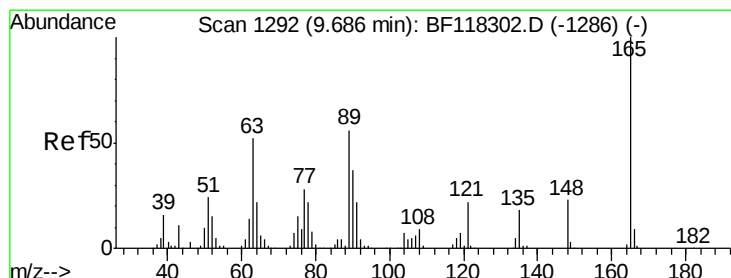
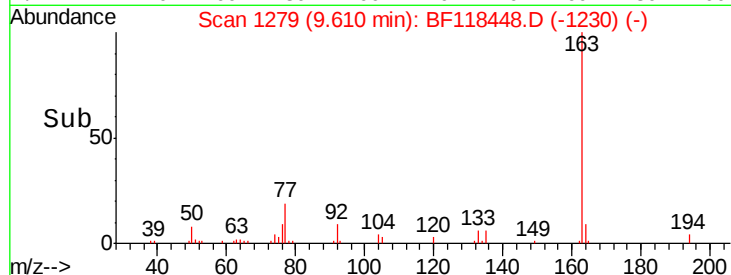
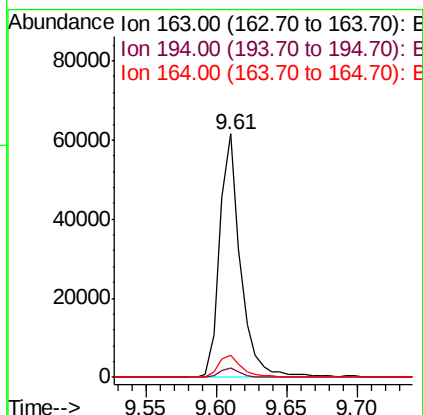
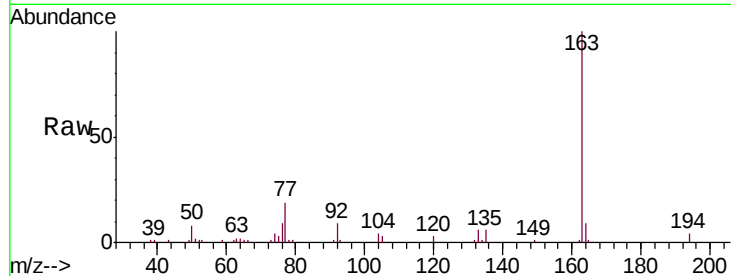




#50
Dimethylphthalate
Concen: 4.121 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

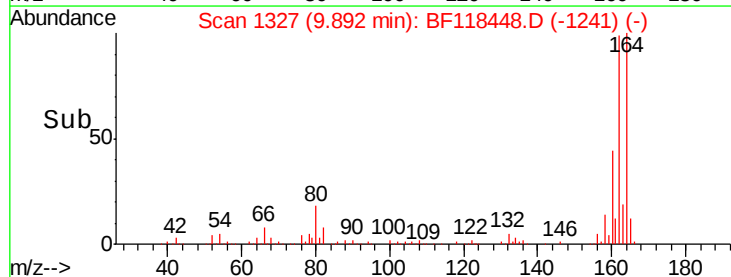
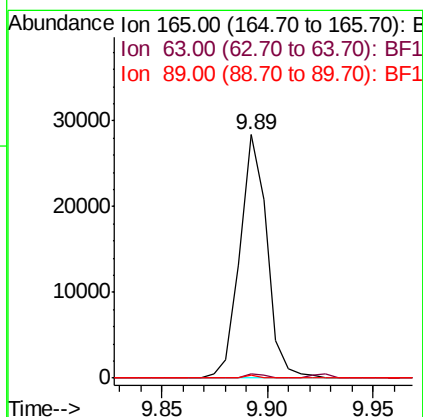
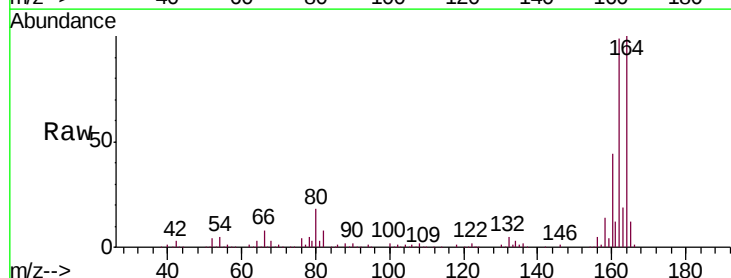
Instrument :
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GP-4-(1-3)

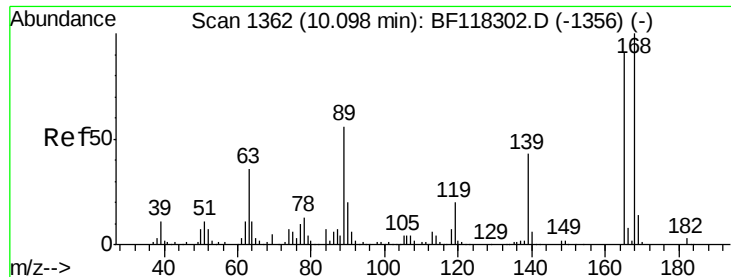
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.2	7.9	11.9



#51
2,6-Dinitrotoluene
Concen: 7.592 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.2	63.4#
89	1.3	44.4	66.6#

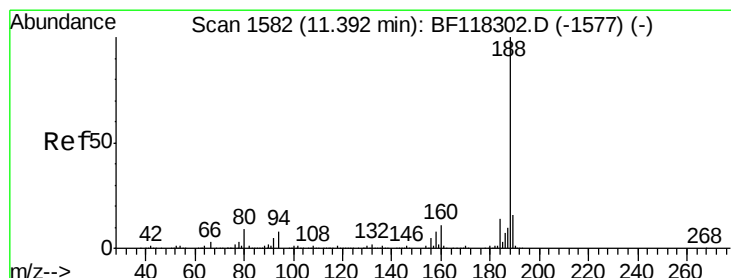
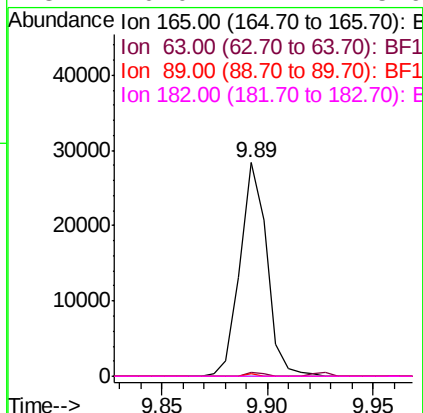
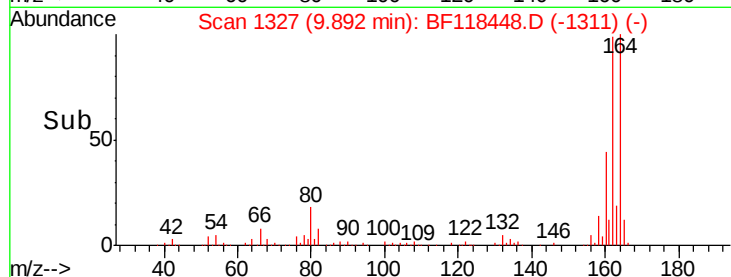
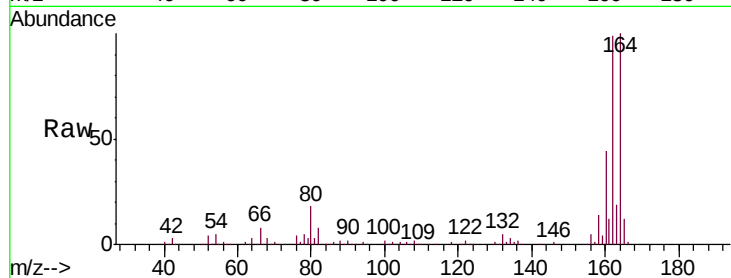




#57
 2,4-Dinitrotoluene
 Concen: 5.681 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.21 min
 Lab File: BF118448.D
 Acq: 2 Jan 2020 21:11

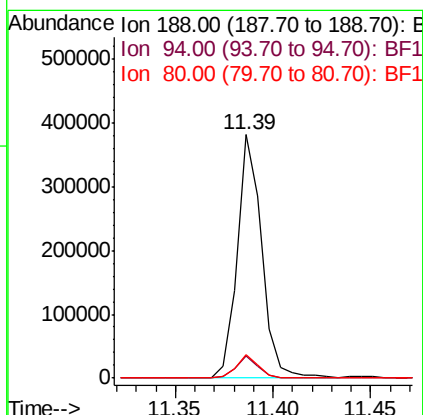
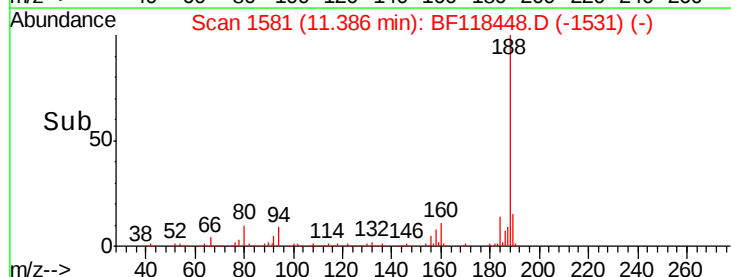
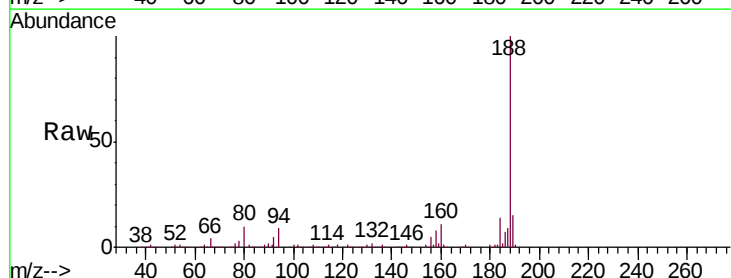
Instrument :
 BNA_F
 ClientSampleId :
 GP-4-(1-3)

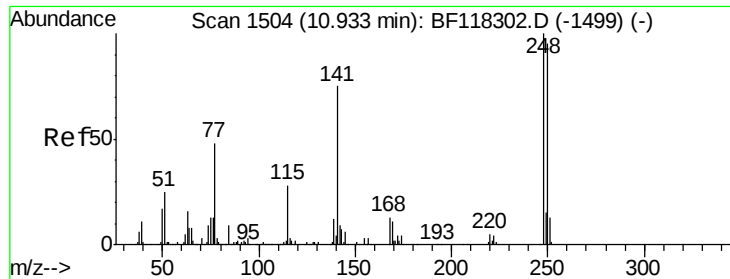
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	32.0	48.0#
89	1.3	49.3	73.9#
182	0.0	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF118448.D
 Acq: 2 Jan 2020 21:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.7	10.1
80	9.6	7.2	10.8

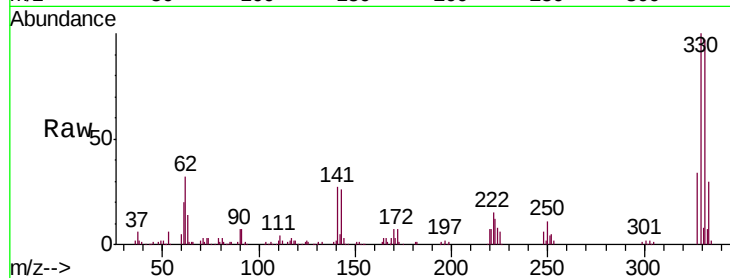




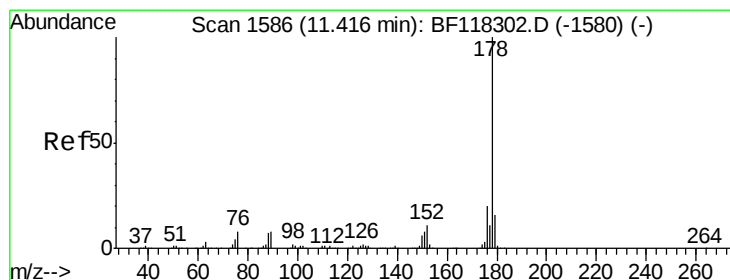
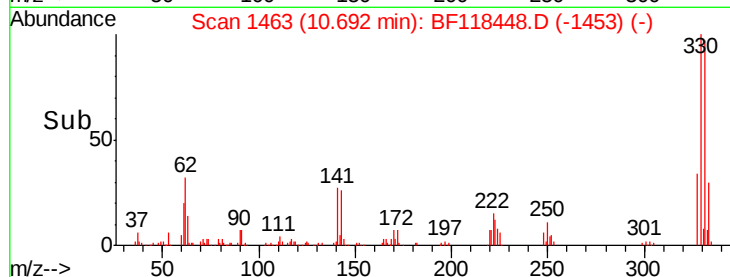
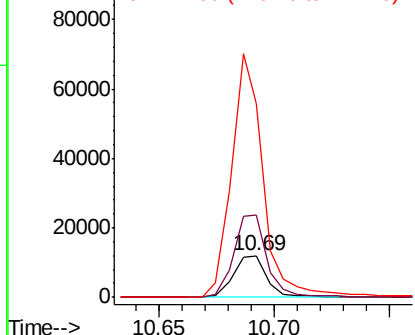
#67
 4-Bromophenyl-phenylether
 Concen: 3.104 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118448.D
 Acq: 2 Jan 2020 21:11

Instrument :
 BNA_F
 ClientSampleId :
 GP-4-(1-3)

Tgt Ion: 248 Resp: 12048
 Ion Ratio Lower Upper
 248 100
 250 195.8 76.4 114.6#
 141 461.5 60.2 90.2#

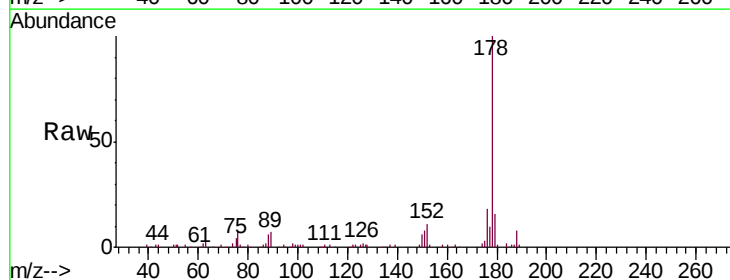


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

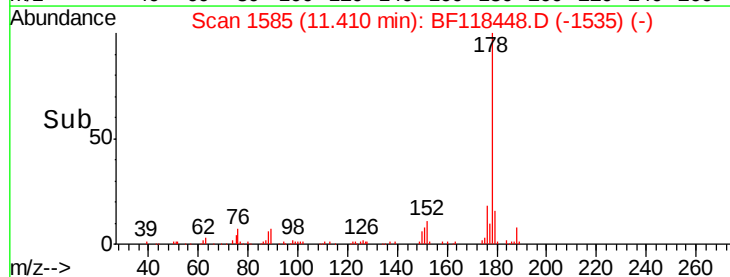
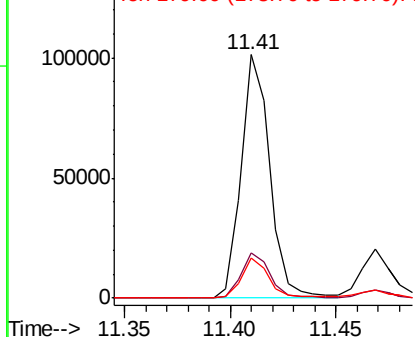


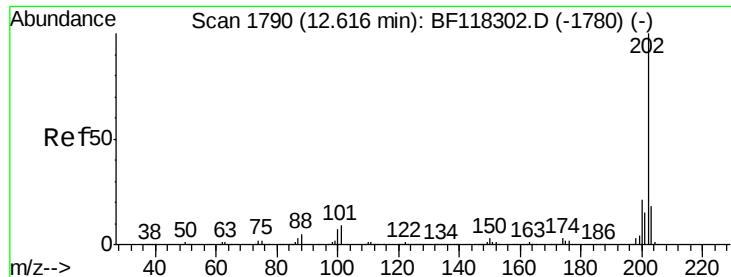
#71
 Phenanthrene
 Concen: 5.291 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF118448.D
 Acq: 2 Jan 2020 21:11

Tgt Ion: 178 Resp: 95666
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 16.3 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: 5.515 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118448.D

Acq: 2 Jan 2020 21:11

Instrument :

BNA_F

ClientSampleId :

GP-4-(1-3)

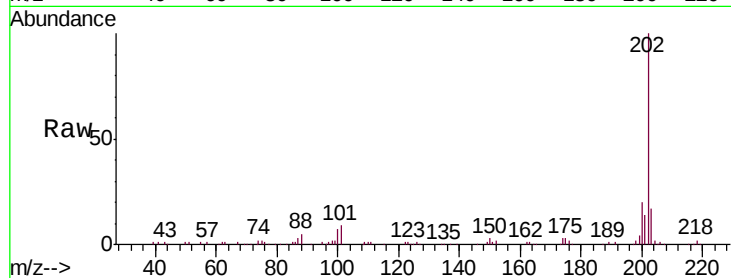
Tgt Ion:202 Resp: 100632

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.5

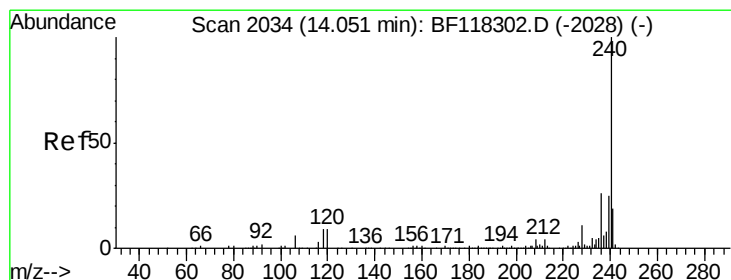
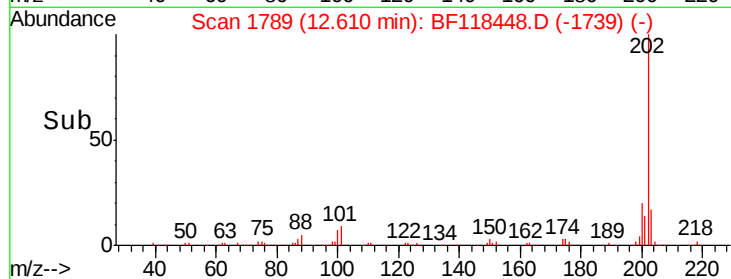
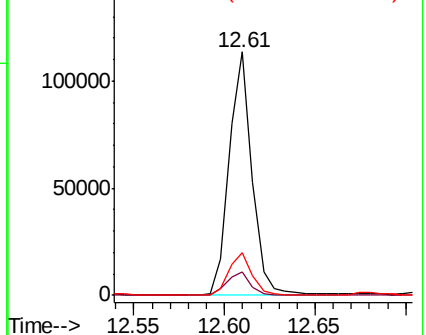
203 17.4 0.0 37.6



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: BF118448.D

Acq: 2 Jan 2020 21:11

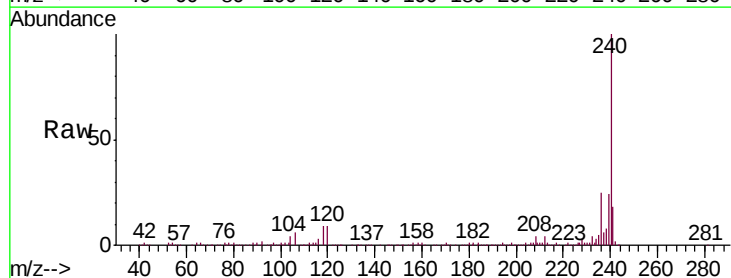
Tgt Ion:240 Resp: 214485

Ion Ratio Lower Upper

240 100

120 8.8 7.1 10.7

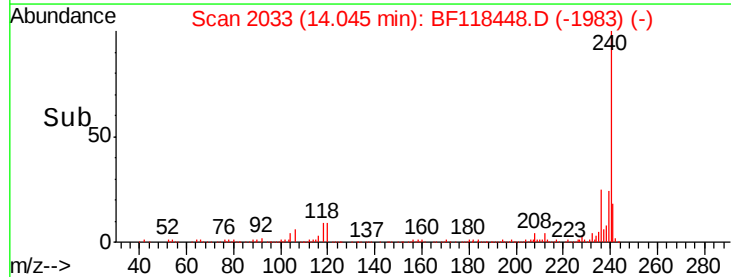
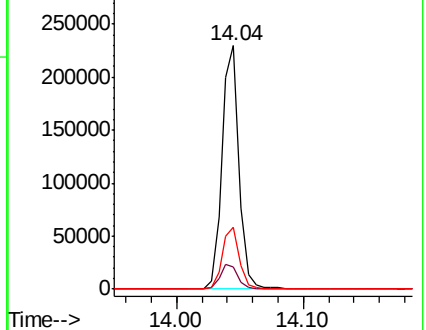
236 25.3 21.0 31.6

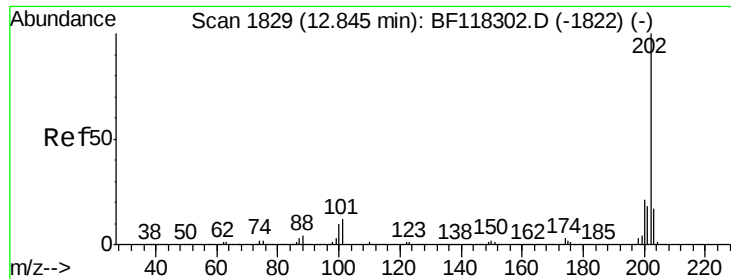


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

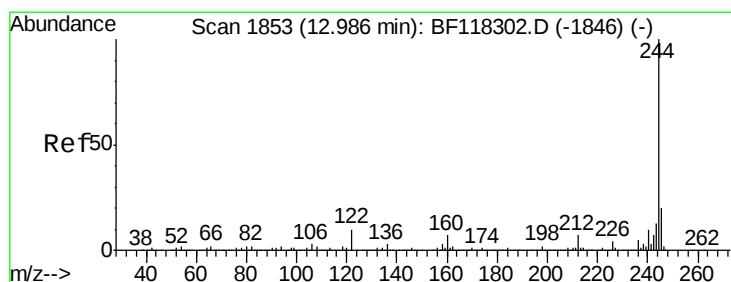
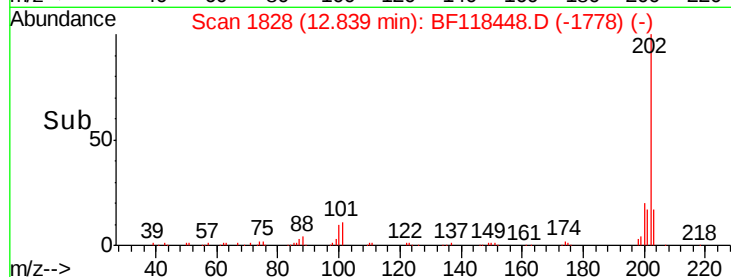
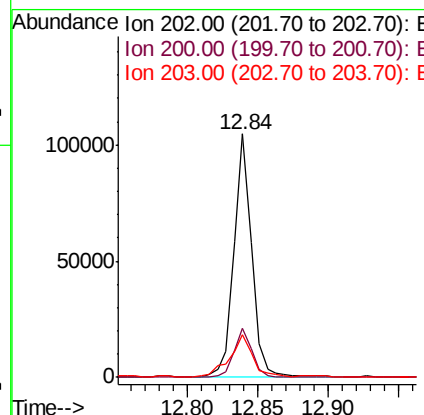
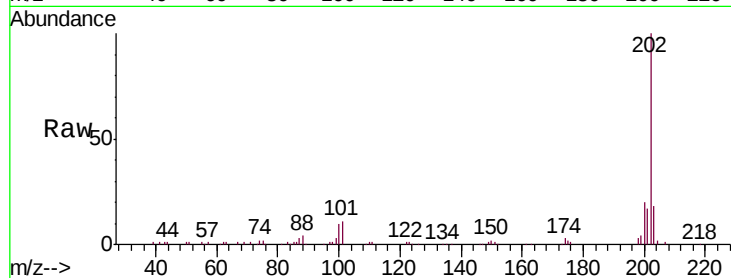




#78
Pyrene
Concen: 5.297 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

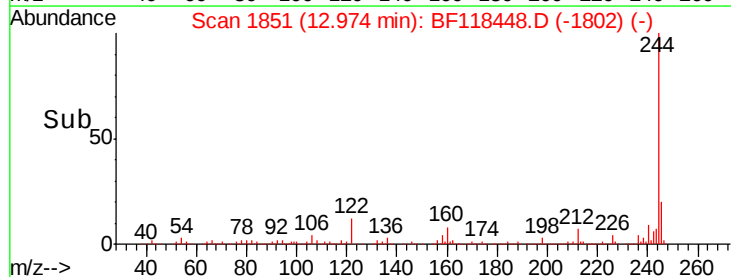
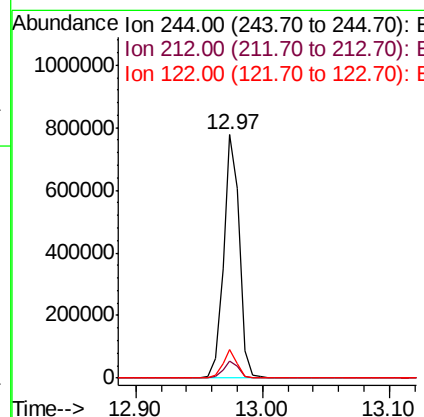
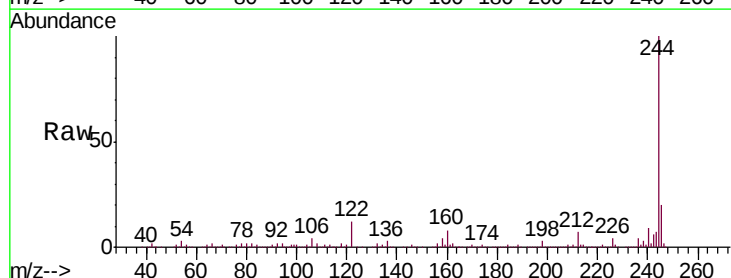
Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

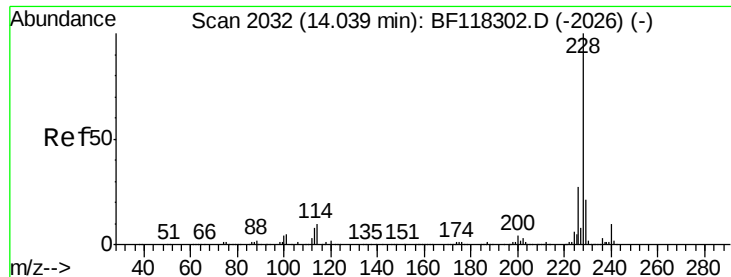
Tgt Ion: 202 Resp: 92772
Ion Ratio Lower Upper
202 100
200 20.1 16.8 25.2
203 17.5 13.9 20.9



#79
Terphenyl-d14
Concen: 52.196 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

Tgt Ion: 244 Resp: 674812
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.5 7.8 11.8





#81

Benzo(a)anthracene

Concen: 2.927 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118448.D

Acq: 2 Jan 2020 21:11

Instrument :

BNA_F

ClientSampleId :

GP-4-(1-3)

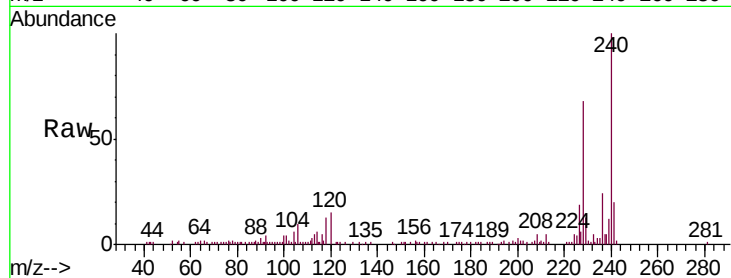
Tgt Ion:228 Resp: 43946

Ion Ratio Lower Upper

228 100

226 27.3 22.0 33.0

229 19.0 16.6 24.8

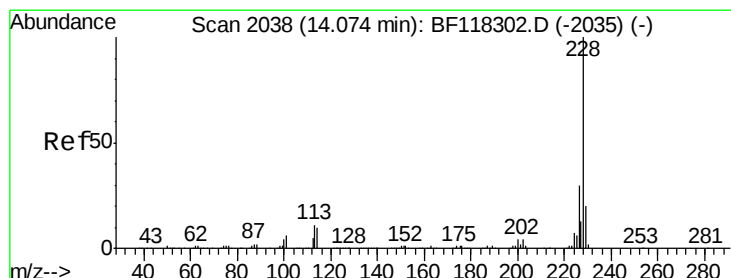
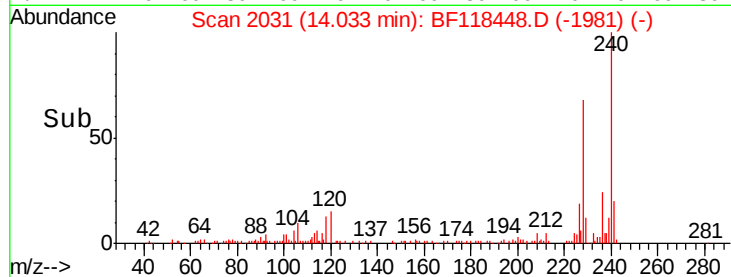
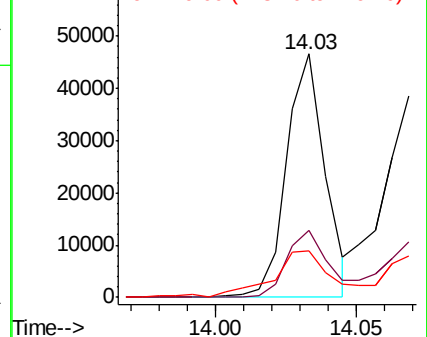


Abundance

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: 2.688 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118448.D

Acq: 2 Jan 2020 21:11

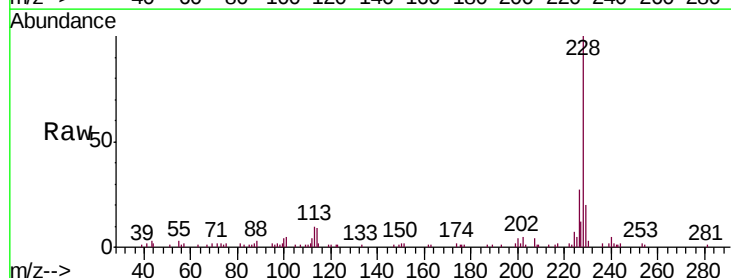
Tgt Ion:228 Resp: 38639

Ion Ratio Lower Upper

228 100

226 27.5 23.9 35.9

229 20.3 16.1 24.1

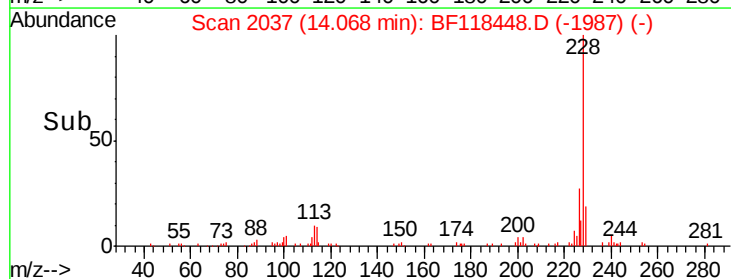
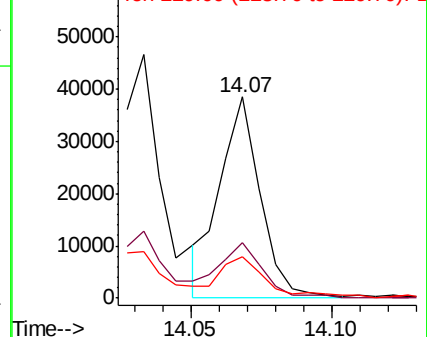


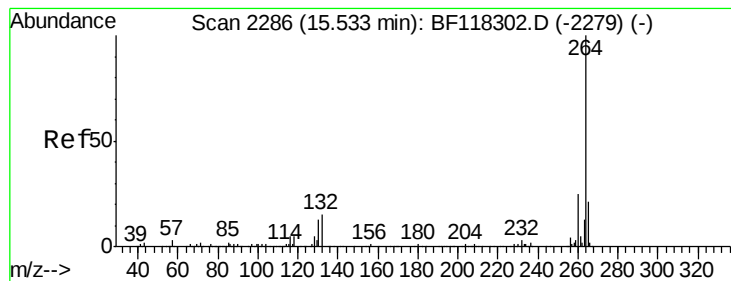
Abundance

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: BF118448.D

Acq: 2 Jan 2020 21:11

Instrument :

BNA_F

ClientSampleId :

GP-4-(1-3)

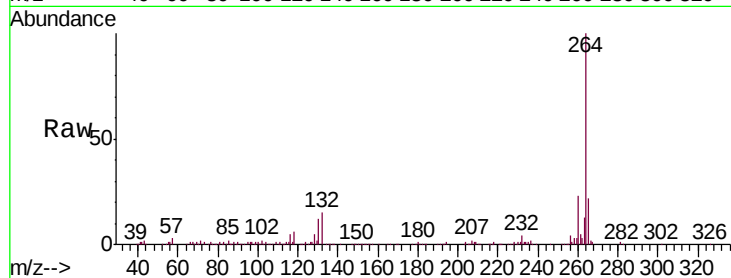
Tgt Ion:264 Resp: 205885

Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

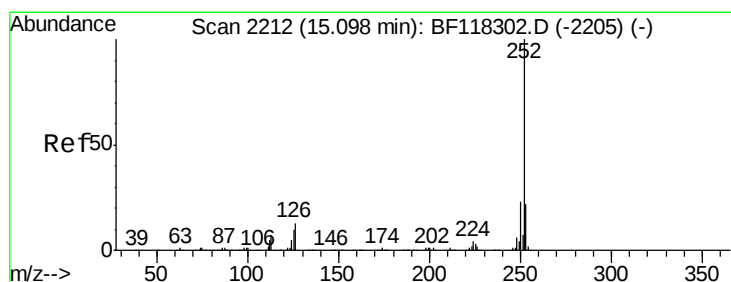
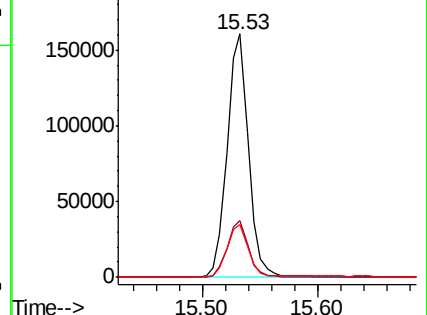
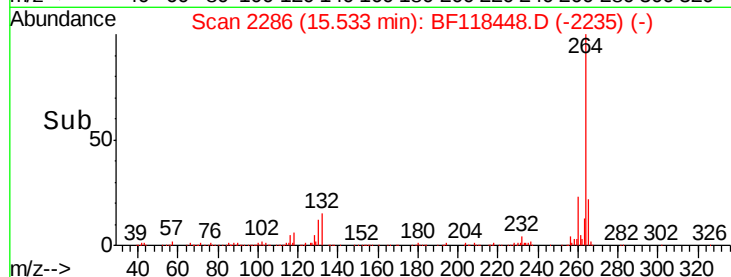
265 21.7 17.0 25.4



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: 4.690 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.00 min

Lab File: BF118448.D

Acq: 2 Jan 2020 21:11

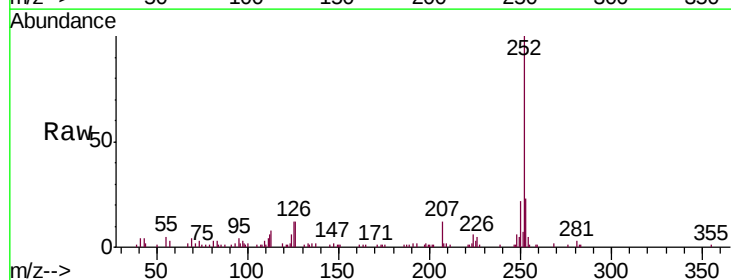
Tgt Ion:252 Resp: 64096

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

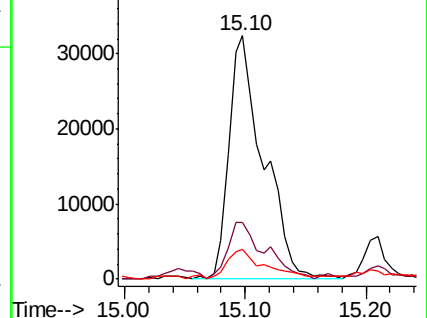
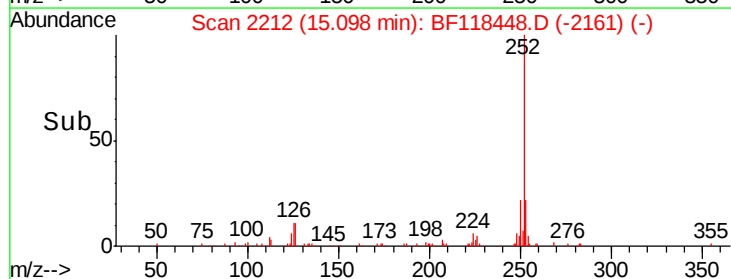
125 12.2 7.7 11.5#

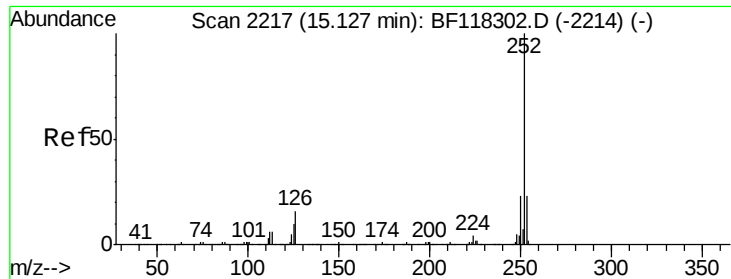


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

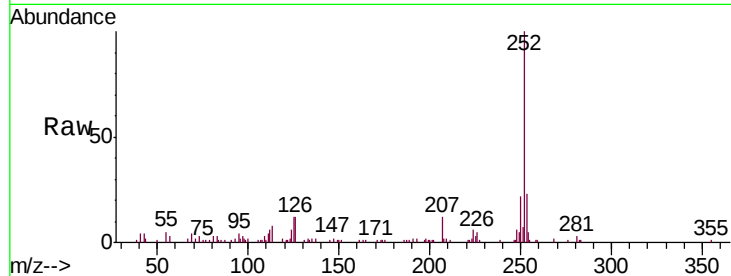




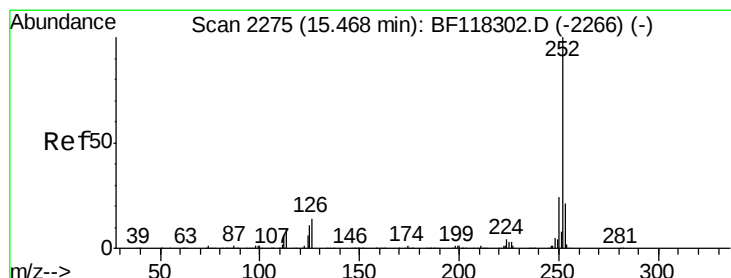
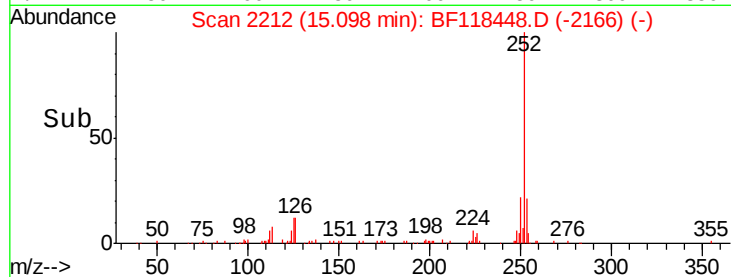
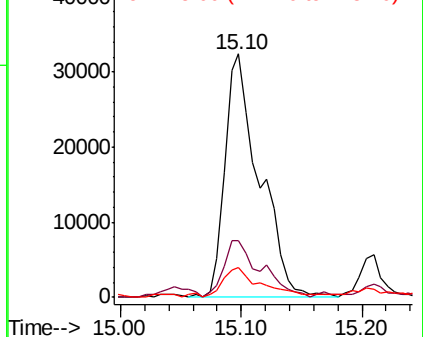
#89
Benzo(k)fluoranthene
Concen: 4.884 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

Instrument :
BNA_F
ClientSampleId :
GP-4-(1-3)

Tgt Ion:252 Resp: 64096
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 12.2 8.0 12.0#

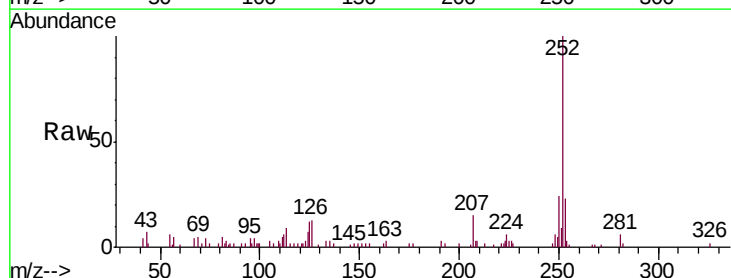


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

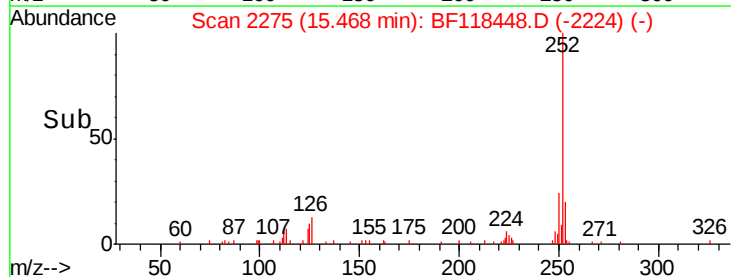
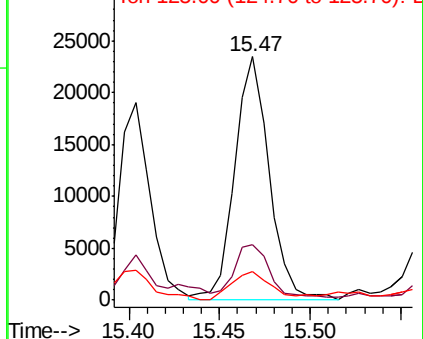


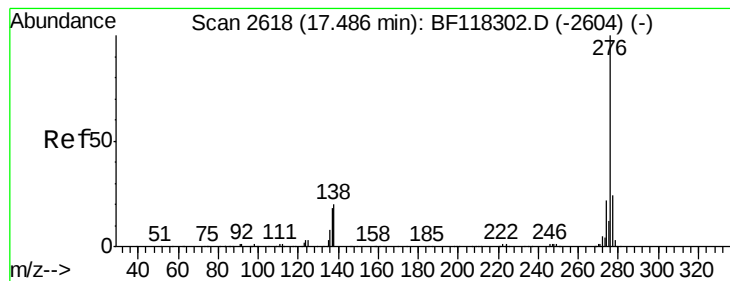
#90
Benzo(a)pyrene
Concen: 2.590 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF118448.D
Acq: 2 Jan 2020 21:11

Tgt Ion:252 Resp: 31184
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.7 9.0 13.4



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





#92

Benzo(g,h,i)perylene

Concen: 2.038 ng

RT: 17.50 min Scan# 2621

Delta R.T. 0.02 min

Lab File: BF118448.D

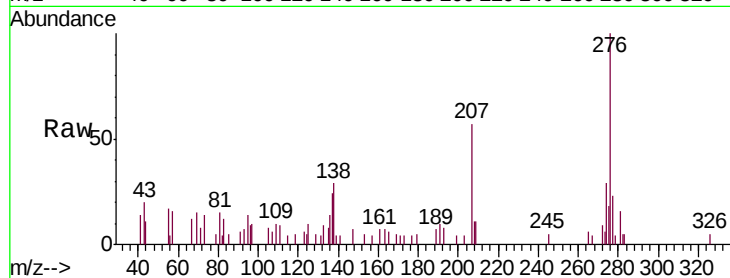
Acq: 2 Jan 2020 21:11

Instrument :

BNA_F

ClientSampleId :

GP-4-(1-3)



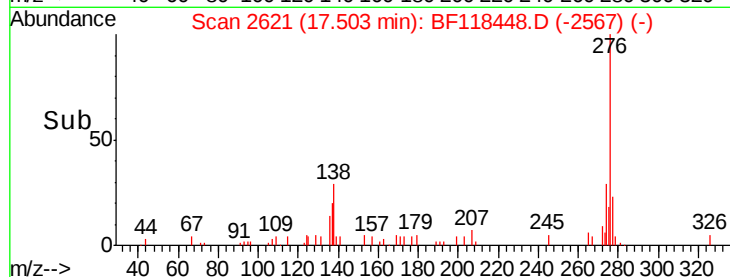
Tgt Ion: 276 Resp: 20572

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 28.7 16.1 24.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

