

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
 Data File : BF120866.D
 Acq On : 14 Jul 2020 17:49
 Operator : JU/CG
 Sample : L3287-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-A

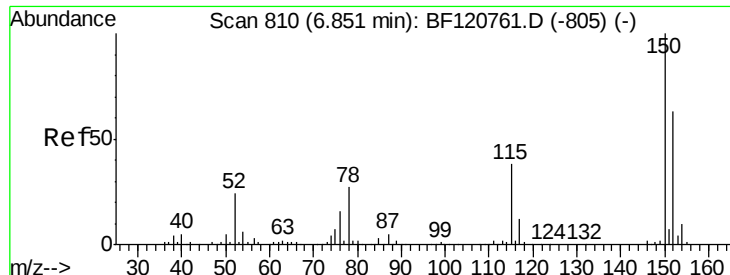
Quant Time: Jul 14 18:16:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	196754	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	722707	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	335301	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	537385	20.00	ng	0.00
76) Chrysene-d12	13.99	240	458858	20.00	ng	-0.01
86) Perylene-d12	15.46	264	448592	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	749147	58.77	ng	0.00
7) Phenol-d6	6.46	99	896493	55.08	ng	0.00
23) Nitrobenzene-d5	7.39	82	546616	43.82	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	193599	57.47	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	999046	45.08	ng	0.00
79) Terphenyl-d14	12.94	244	802304	34.23	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.39	70	71930	7.339	ng	# 75
25) Isophorone	7.39	82	543103	20.189	ng	# 64
48) 2-Nitroaniline	9.31	65	321	2.666	ng	# 5
50) Dimethylphthalate	9.58	163	163443	6.682	ng	98
51) 2,6-Dinitrotoluene	9.58	165	1787	2.628	ng	# 17
56) 4-Nitrophenol	10.07	139	2698	2.677	ng	# 13
57) 2,4-Dinitrotoluene	9.87	165	43604	9.814	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.65	198	465	7.183	ng	# 1
71) Phenanthrene	11.37	178	94182	3.230	ng	99
75) Fluoranthene	12.56	202	223824	7.206	ng	98
78) Pyrene	12.79	202	211106	5.761	ng	98
81) Benzo(a)anthracene	14.02	228	131429	4.468	ng	96
83) Chrysene	14.02	228	131429	4.381	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	76421	2.656	ng	95
88) Benzo(b)fluoranthene	15.03	252	246343	8.353	ng	# 92
89) Benzo(k)fluoranthene	15.03	252	246343	8.584	ng	# 92
90) Benzo(a)pyrene	15.39	252	118892	4.519	ng	# 94
92) Benzo(g,h,i)perylene	17.33	276	72566	3.311	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

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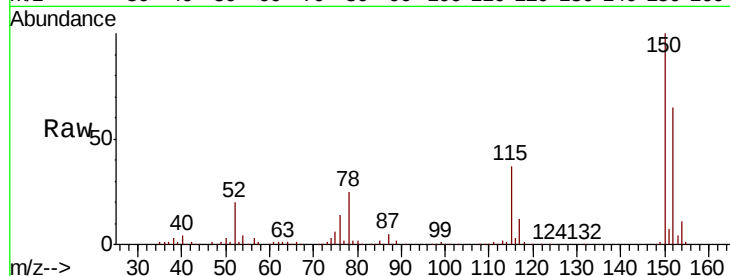
Tot Ion:152 Resp: 196754

Ion Ratio Lower Upper

152 100

150 153.9 126.1 189.1

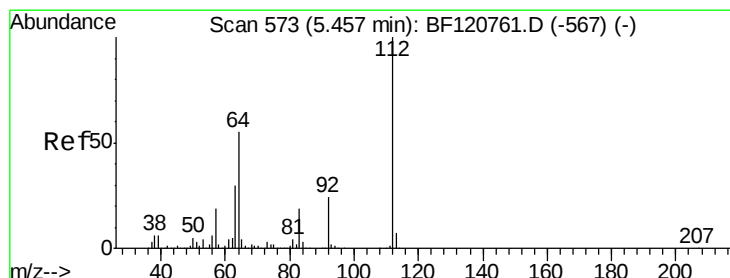
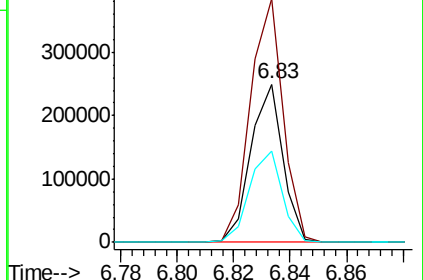
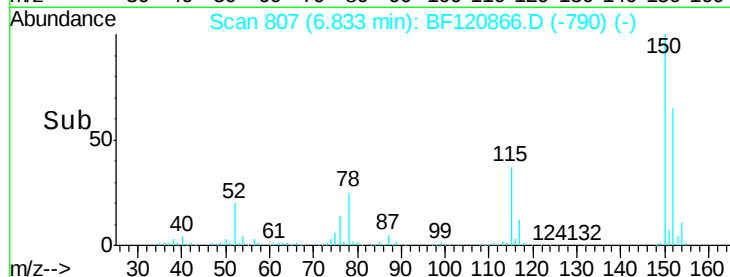
115 57.7 48.5 72.7



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: 58.775 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF120866.D

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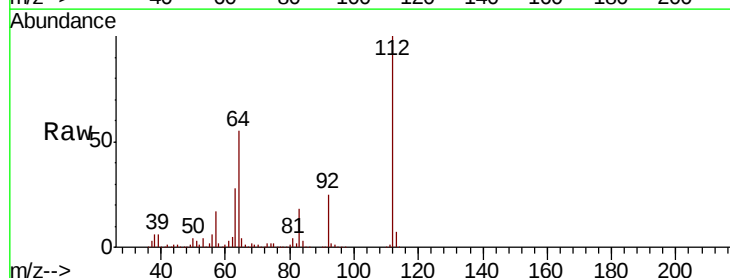
Tgt Ion:112 Resp: 749147

Ion Ratio Lower Upper

112 100

64 54.7 43.8 65.6

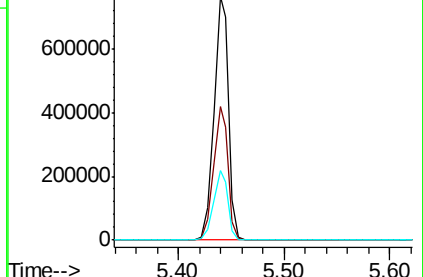
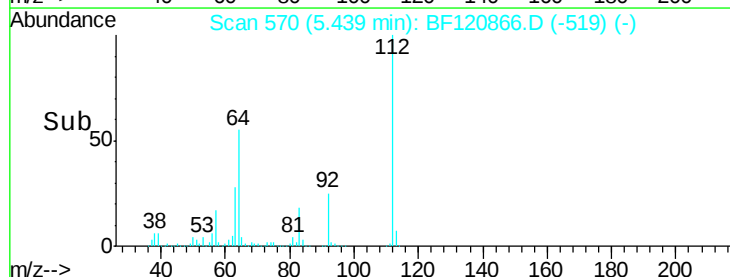
63 28.4 23.6 35.4



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: 55.077 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

Instrument :

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ClientSampleId :

FK-GF-03-012-A

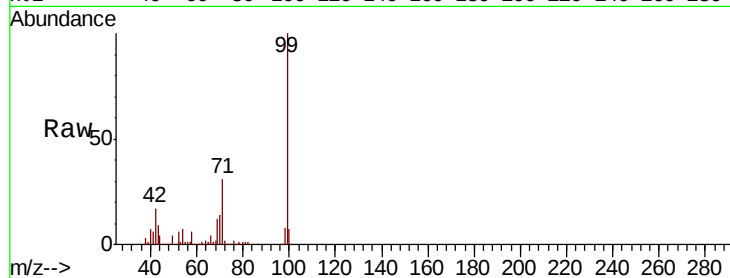
Tot Ion: 99 Resp: 896493

Ion Ratio Lower Upper

99 100

42 17.2 15.4 23.0

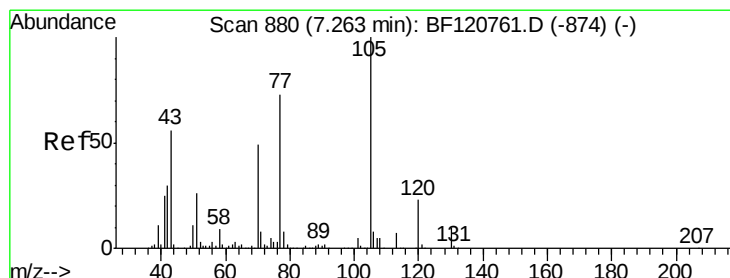
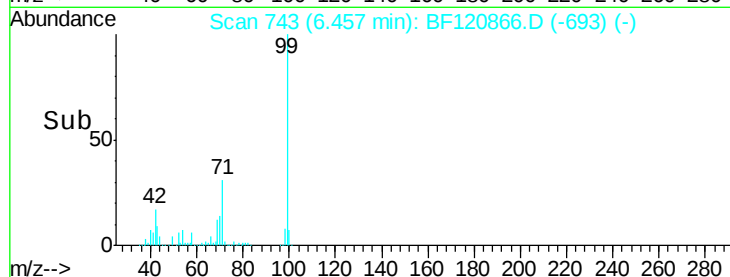
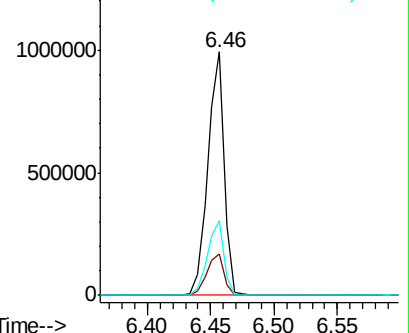
71 30.9 25.9 38.9



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: 7.339 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

Tgt Ion: 70 Resp: 71930

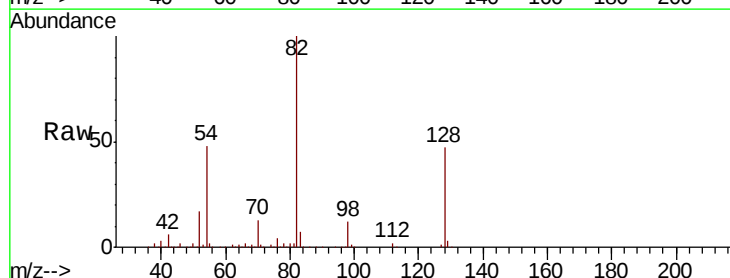
Ion Ratio Lower Upper

70 100

42 47.1 50.3 75.5#

101 0.0 7.5 11.3#

130 2.4 16.1 24.1#

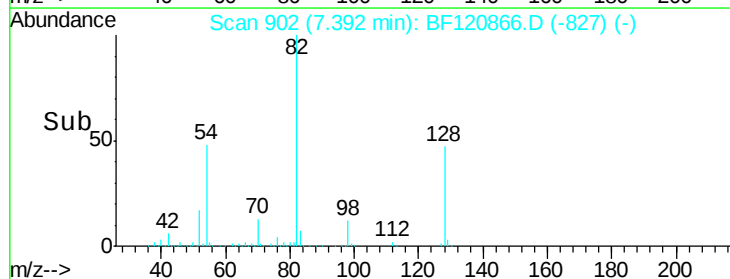
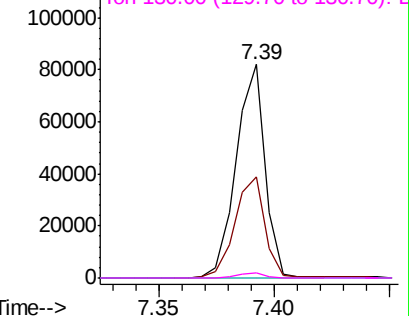


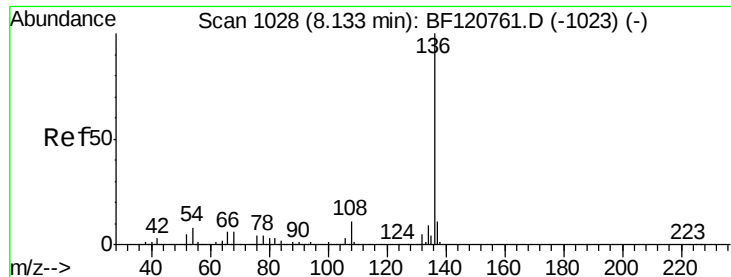
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

Instrument :

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FK-GF-03-012-A

Tot Ion:136 Resp: 722707

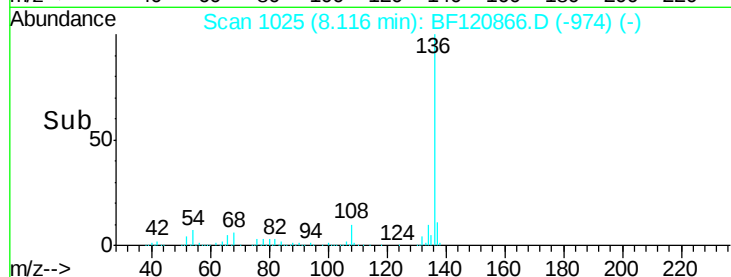
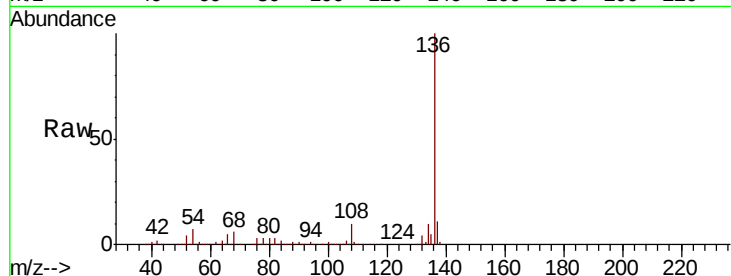
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 7.0 6.2 9.4

68 5.7 4.7 7.1

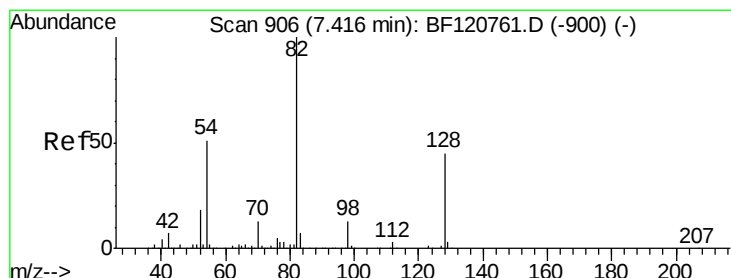
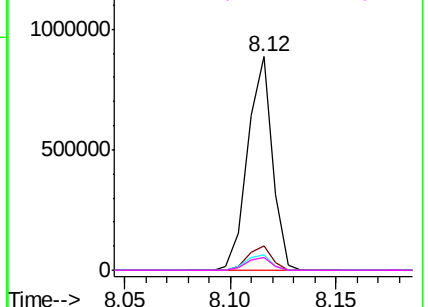


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.821 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

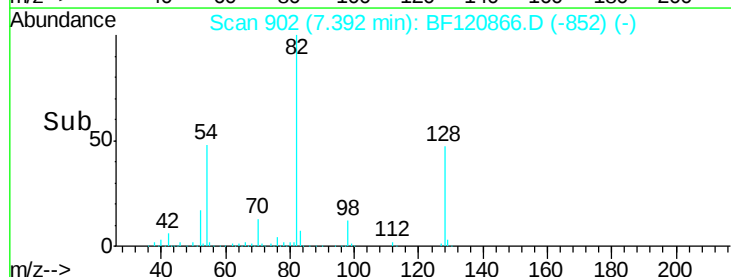
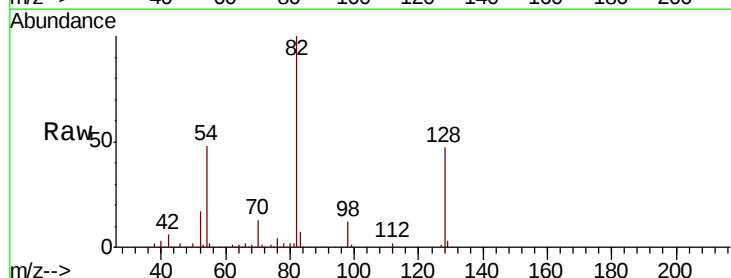
Tgt Ion: 82 Resp: 546616

Ion Ratio Lower Upper

82 100

128 47.3 35.7 53.5

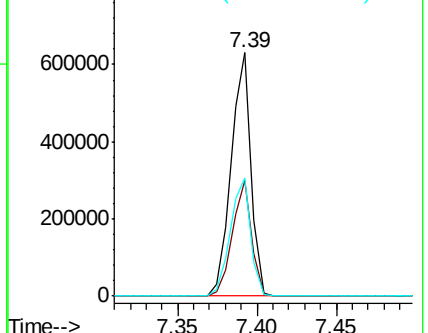
54 48.4 40.9 61.3

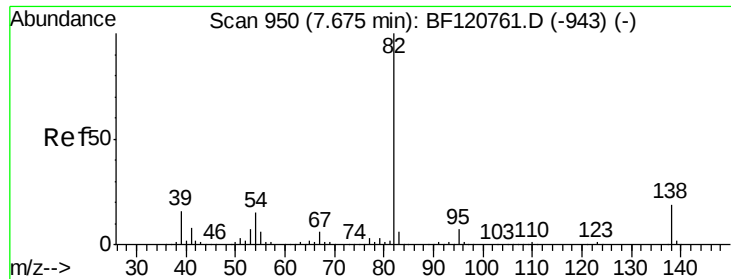


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 20.189 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF120866.D

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FK-GF-03-012-A

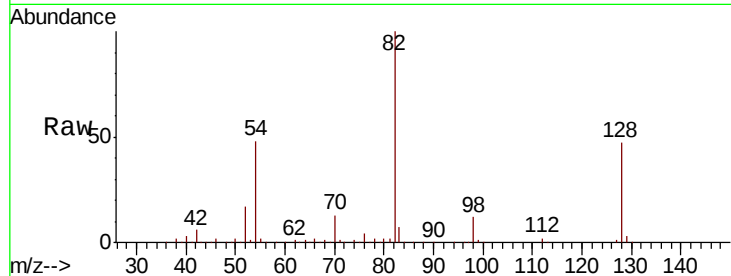
Tot Ion: 82 Resp: 543103

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

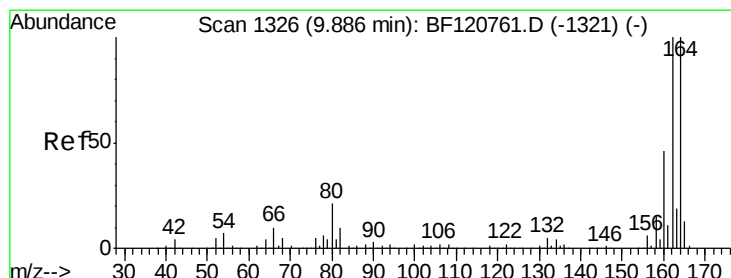
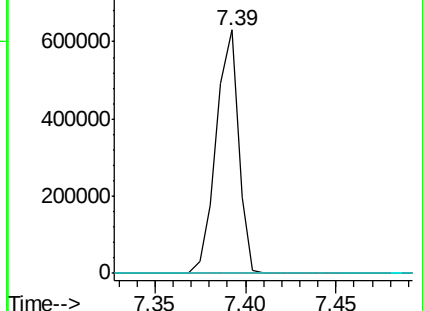
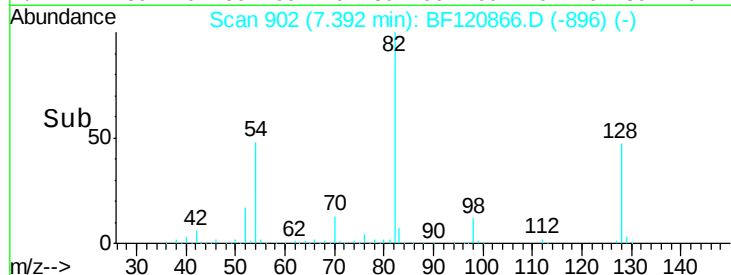
138 0.0 15.0 22.4#



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: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

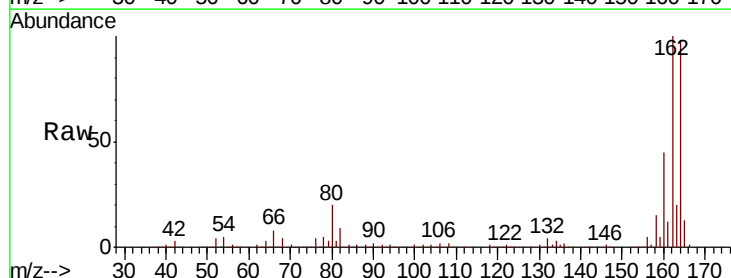
Tgt Ion: 164 Resp: 335301

Ion Ratio Lower Upper

164 100

162 101.7 80.2 120.2

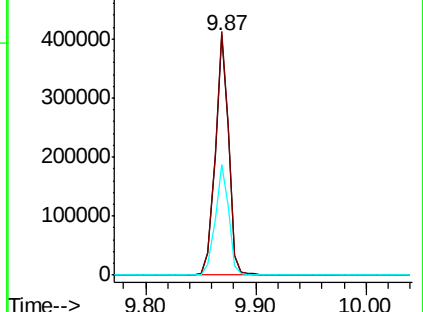
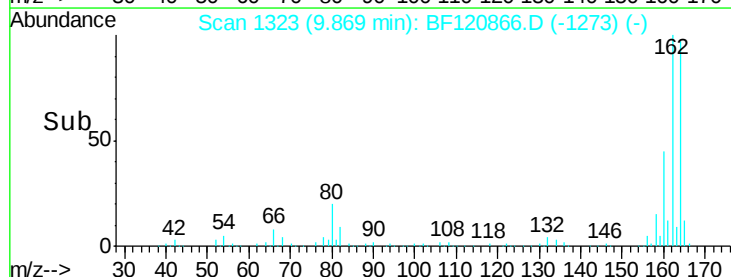
160 46.1 36.9 55.3

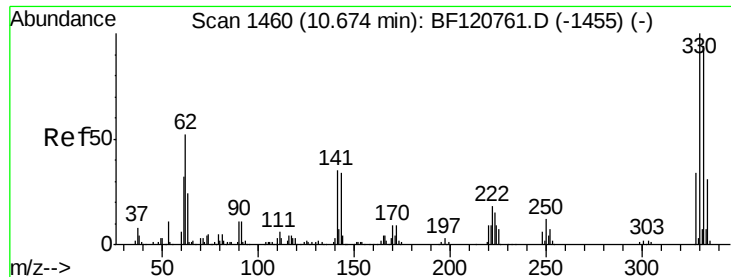


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

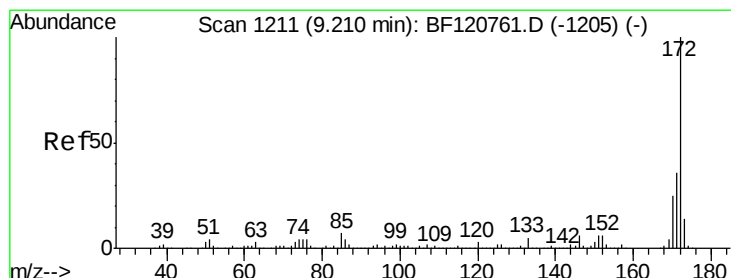
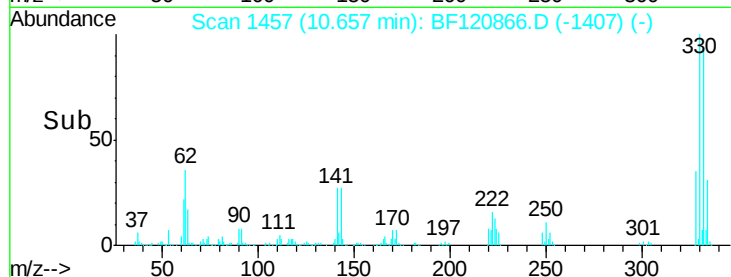
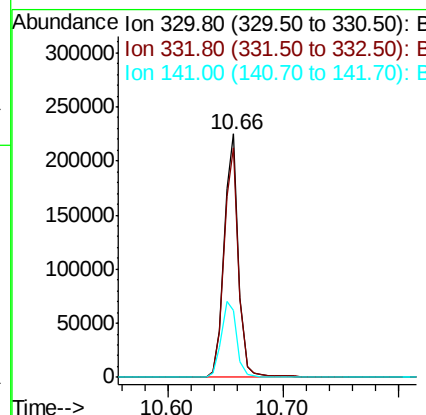
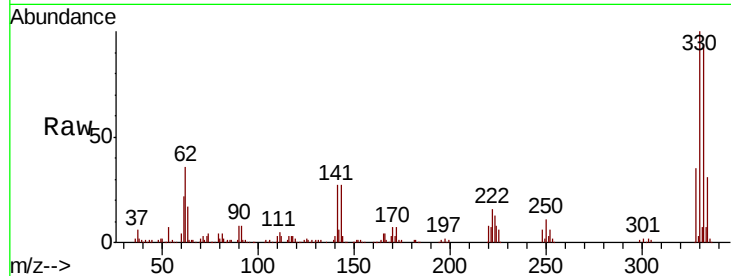




#42
 2,4,6-Tribromophenol
 Concen: 57.472 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF120866.D
 Acq: 14 Jul 2020 17:49

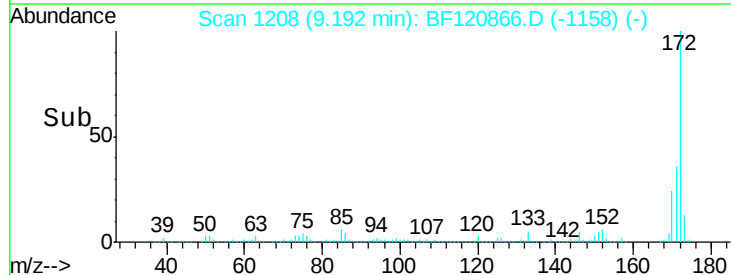
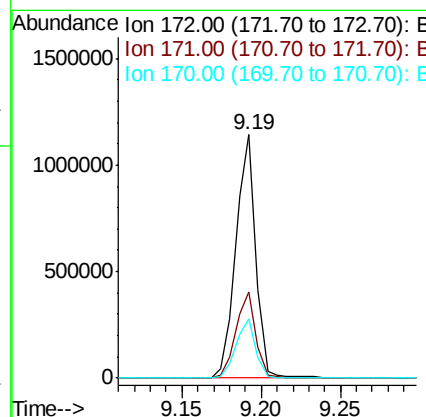
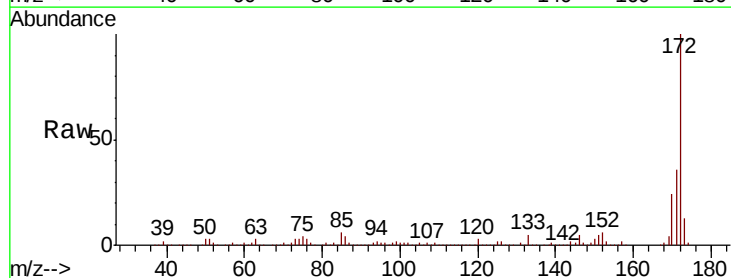
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-A

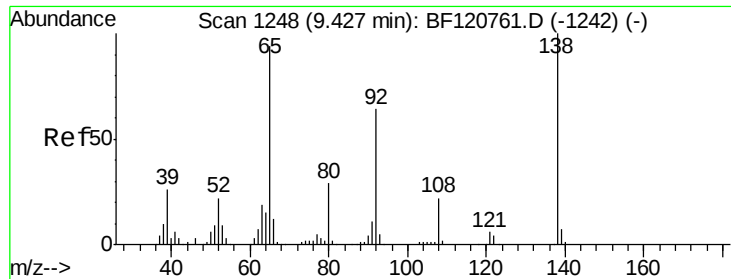
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.8	113.6
141	34.4	29.7	44.5



#45
 2-Fluorobiphenyl
 Concen: 45.079 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF120866.D
 Acq: 14 Jul 2020 17:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.1	43.7
170	24.2	19.8	29.6

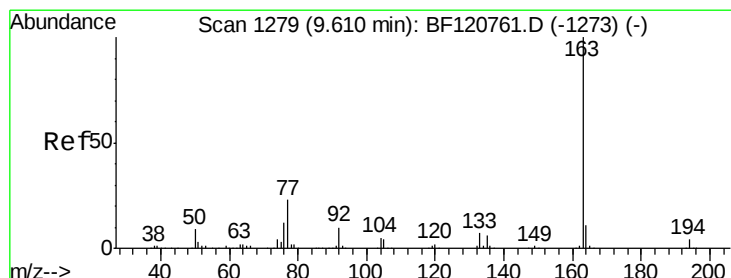
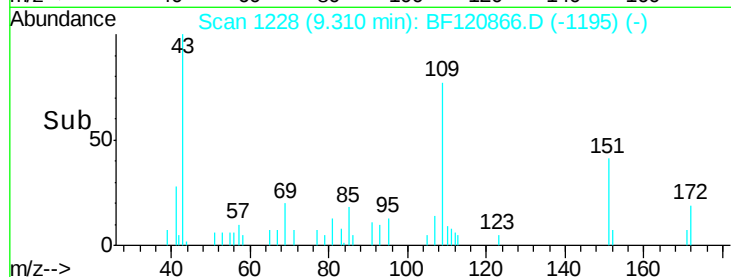
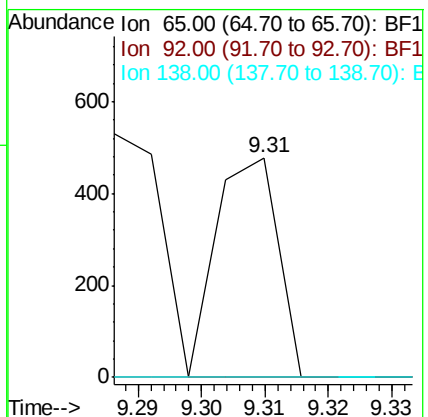
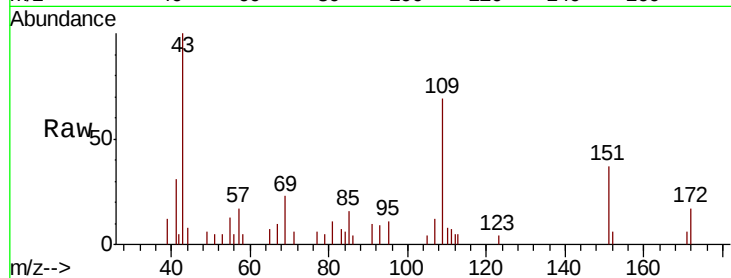




#48
2-Nitroaniline
Concen: 2.666 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.11 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

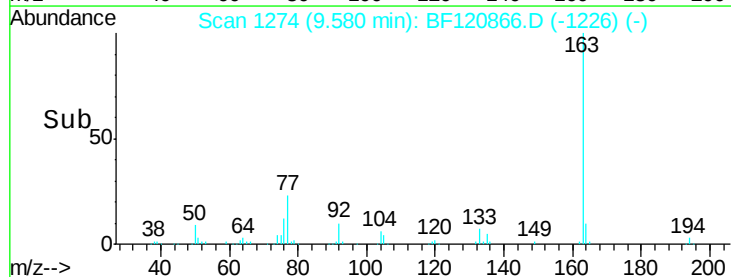
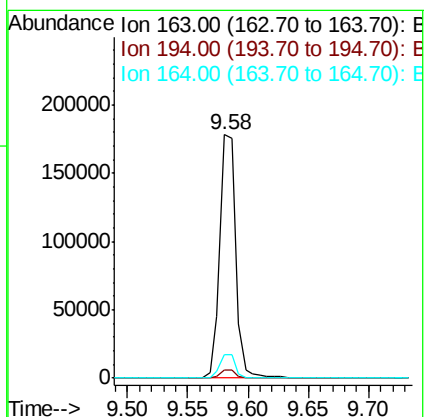
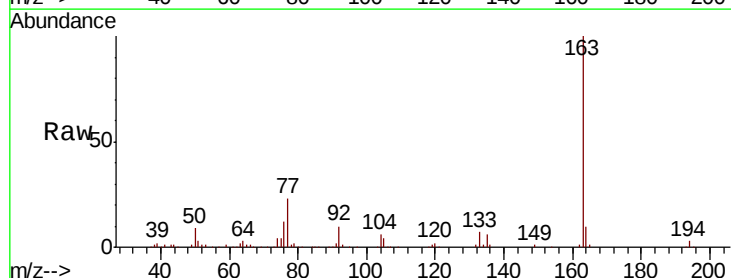
Instrument :
BNA_F
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FK-GF-03-012-A

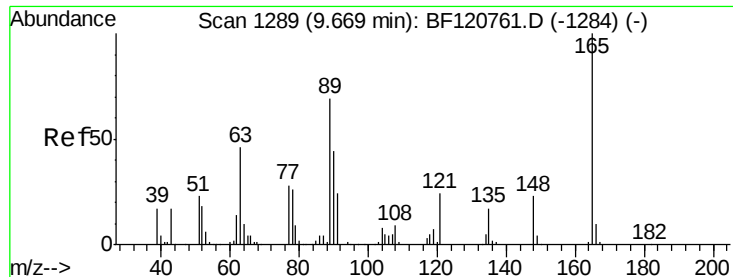
Tot Ion: 65 Resp: 321
Ion Ratio Lower Upper
65 100
92 0.0 54.4 81.6#
138 0.0 84.7 127.1#



#50
Dimethylphthalate
Concen: 6.682 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

Tgt Ion: 163 Resp: 163443
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 9.8 8.5 12.7

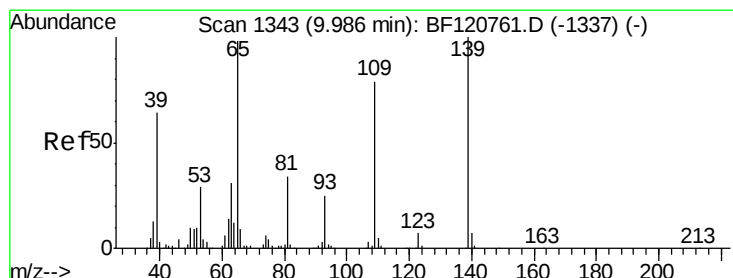
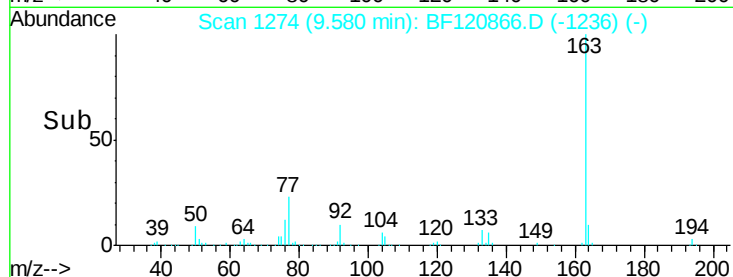
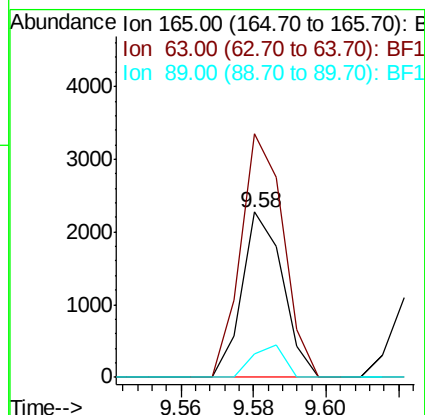
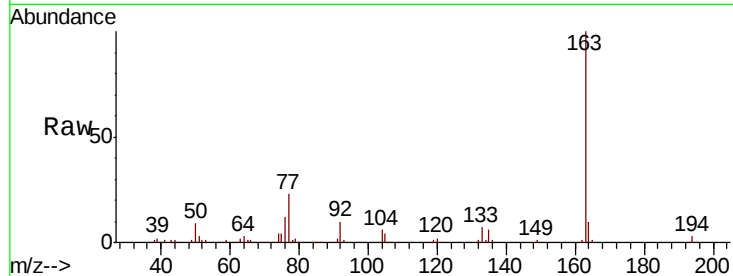




#51
 2,6-Dinitrotoluene
 Concen: 2.628 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.08 min
 Lab File: BF120866.D
 Acq: 14 Jul 2020 17:49

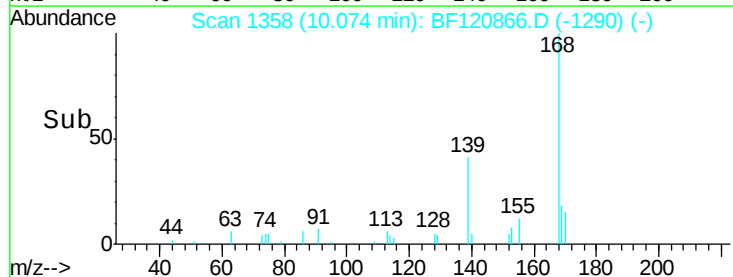
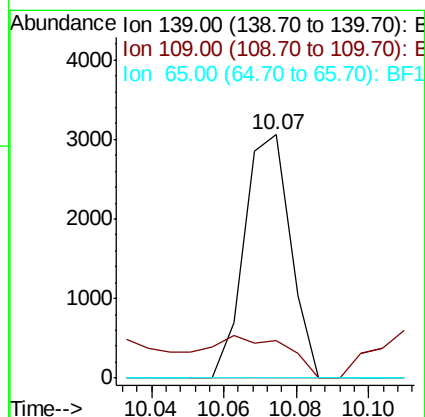
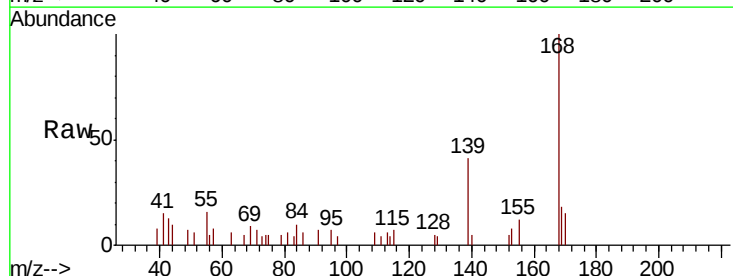
Instrument :
 BNA_F
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 FK-GF-03-012-A

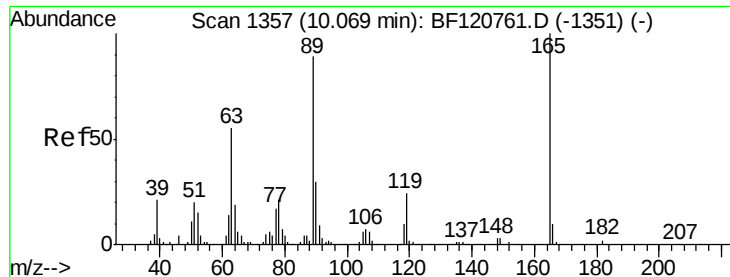
Tot Ion	Ratio	Lower	Upper
165	100		
63	147.6	54.0	81.0#
89	14.2	55.4	83.2#



#56
 4-Nitrophenol
 Concen: 2.677 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. 0.10 min
 Lab File: BF120866.D
 Acq: 14 Jul 2020 17:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	15.6	58.6	98.6#
65	0.0	78.7	118.7#

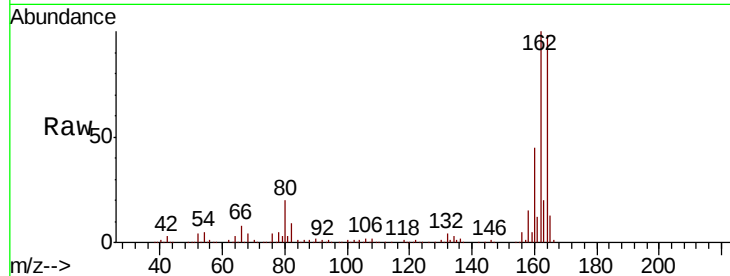




#57
 2,4-Dinitrotoluene
 Concen: 9.814 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF120866.D
 Acq: 14 Jul 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-A

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	43.8	65.8#
89	1.3	71.4	107.2#
182	0.0	1.8	2.6#

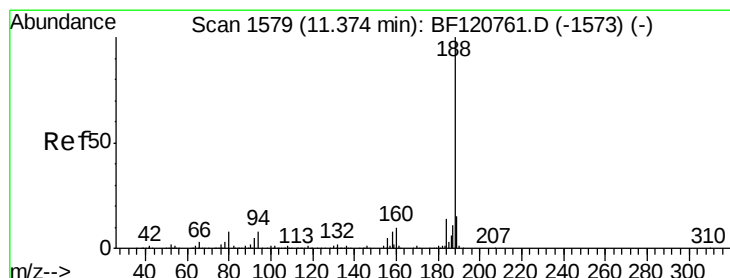
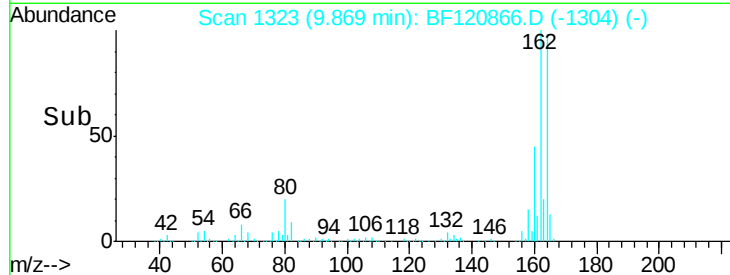
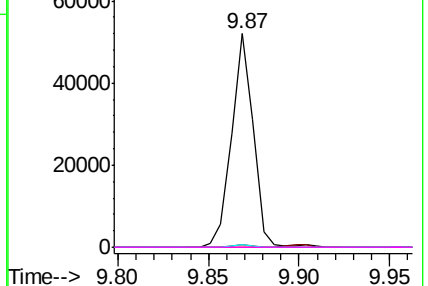


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

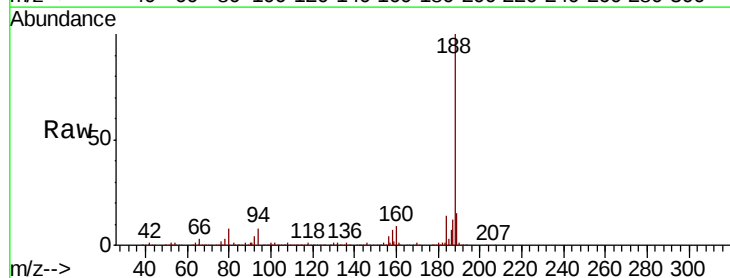
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF120866.D
 Acq: 14 Jul 2020 17:49

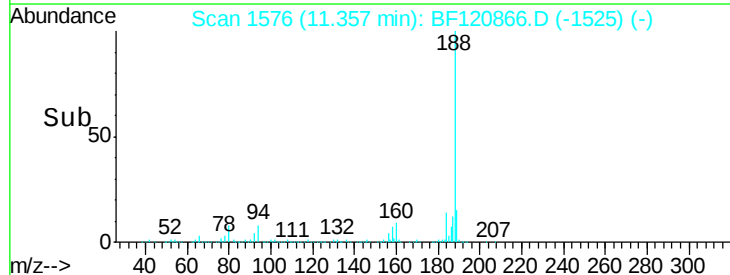
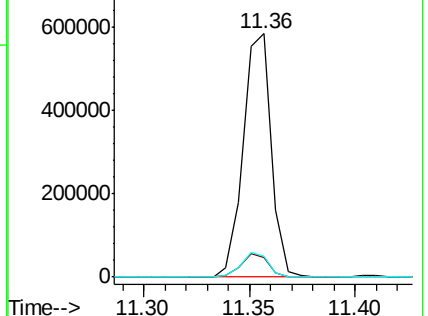
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	9.8
80	8.4	6.6	10.0

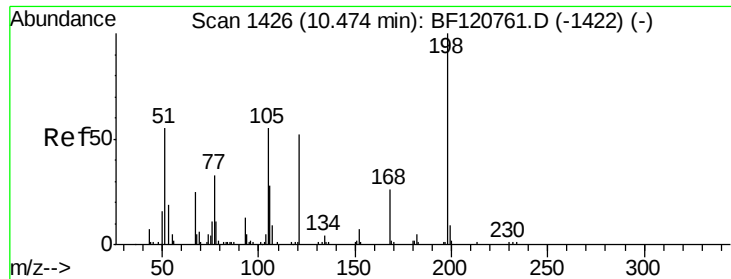


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

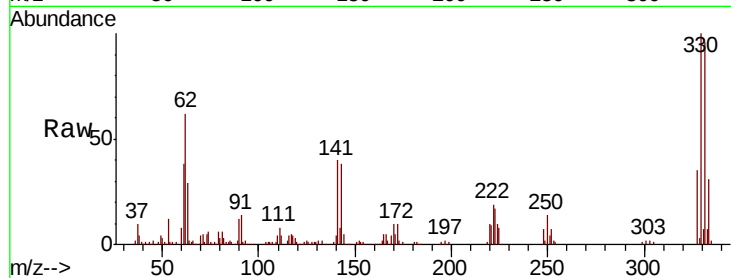




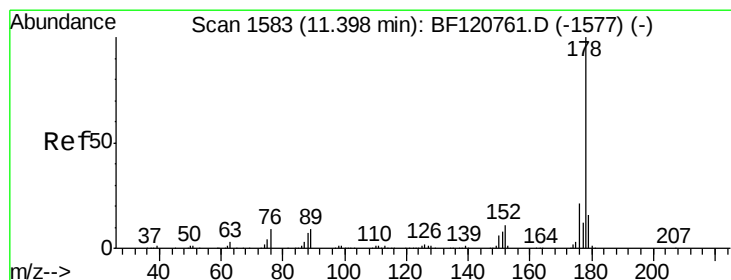
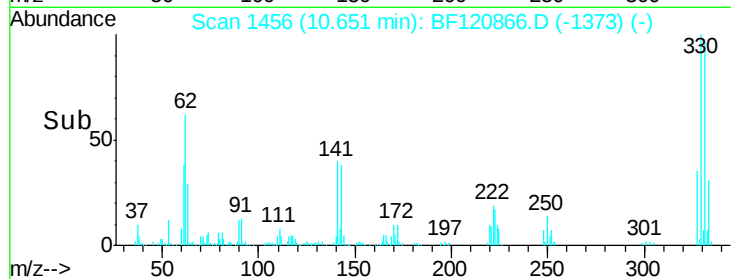
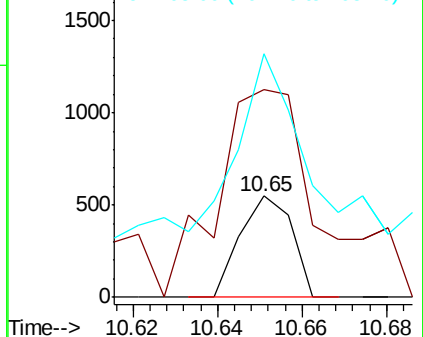
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.183 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.19 min
 Lab File: BF120866.D
 Acq: 14 Jul 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-A

Tot Ion:198 Resp: 465
 Ion Ratio Lower Upper
 198 100
 51 206.0 50.0 90.0#
 105 241.1 38.3 78.3#

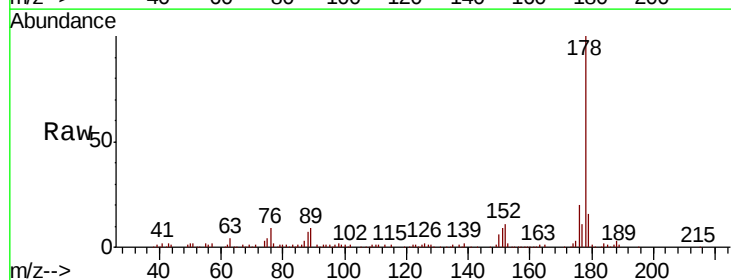


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

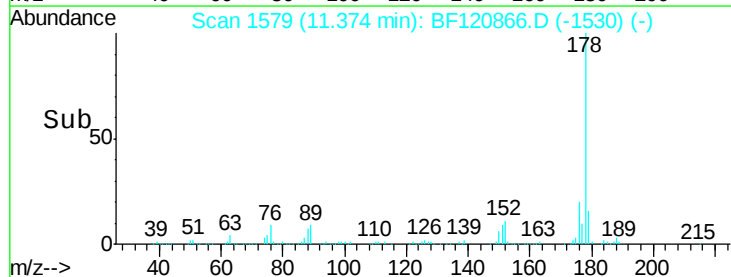
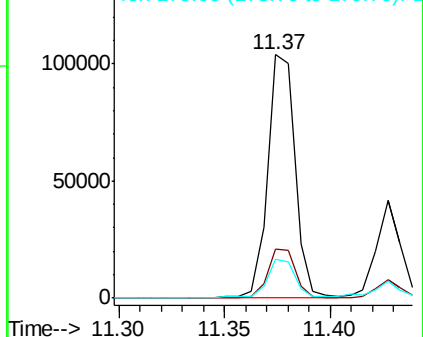


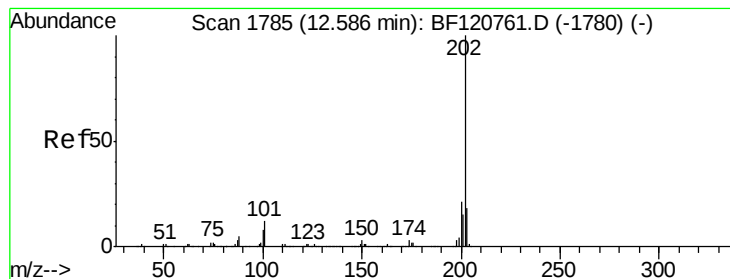
#71
 Phenanthrene
 Concen: 3.230 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF120866.D
 Acq: 14 Jul 2020 17:49

Tgt Ion:178 Resp: 94182
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.4 24.6
 179 15.7 12.9 19.3



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: 7.206 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-012-A

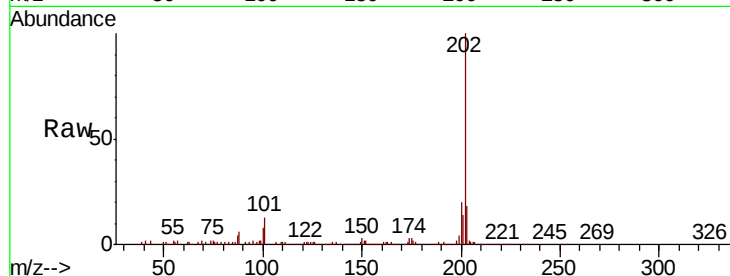
Tot Ion:202 Resp: 223824

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.6

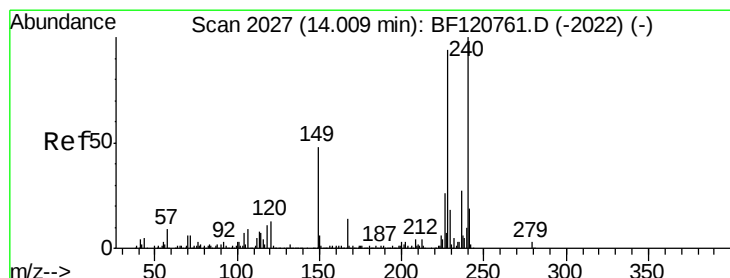
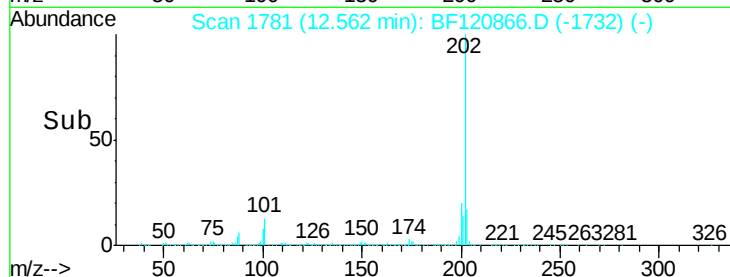
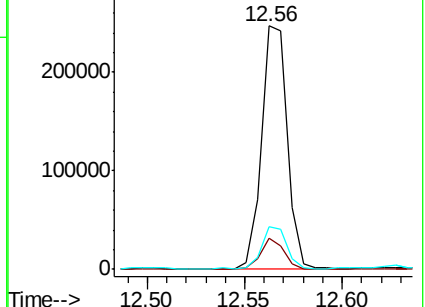
203 17.5 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

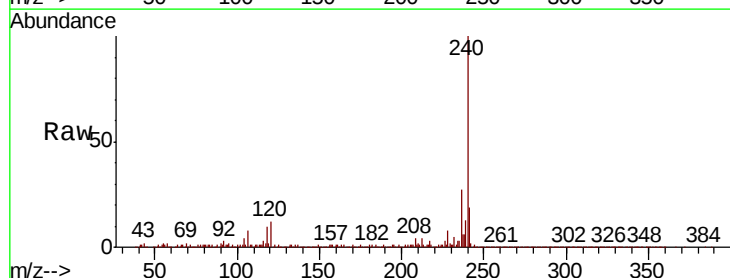
Tgt Ion:240 Resp: 458858

Ion Ratio Lower Upper

240 100

120 12.0 10.3 15.5

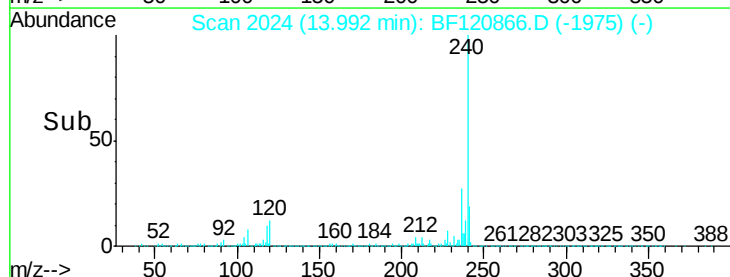
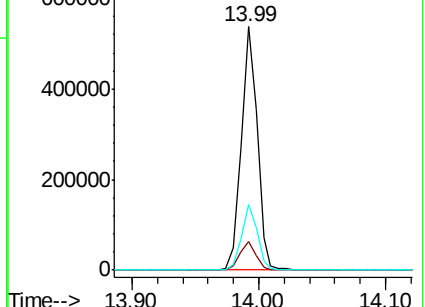
236 27.0 21.4 32.2

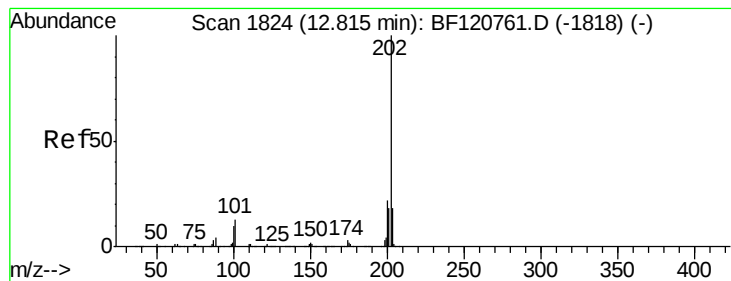


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.761 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-012-A

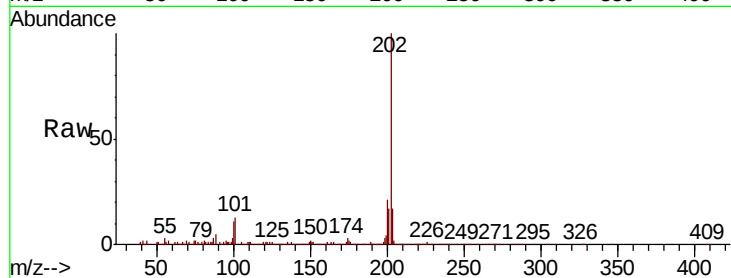
Tot Ion:202 Resp: 211106

Ion Ratio Lower Upper

202 100

200 20.6 17.3 25.9

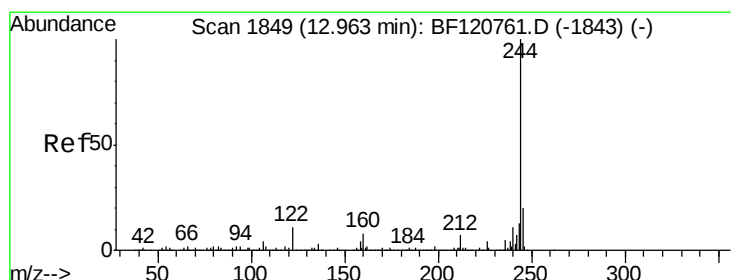
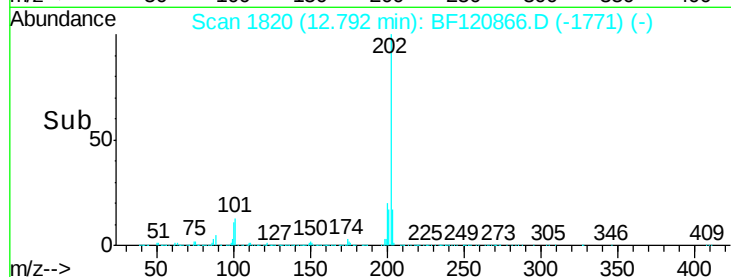
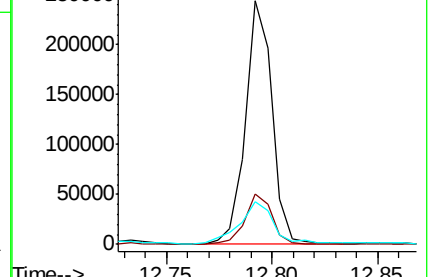
203 17.3 14.6 22.0



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: 34.233 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF120866.D

Acq: 14 Jul 2020 17:49

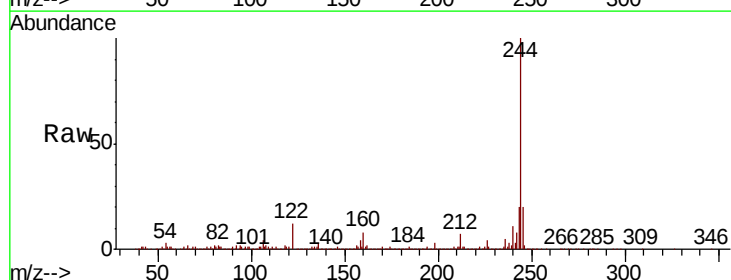
Tgt Ion:244 Resp: 802304

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

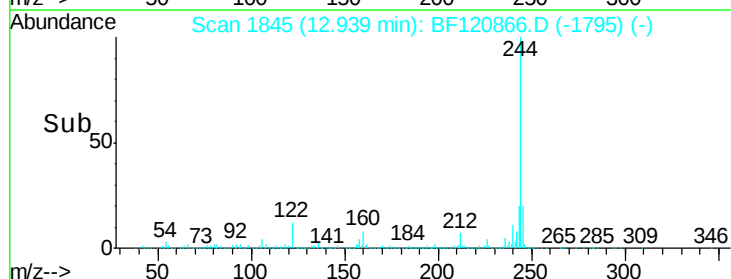
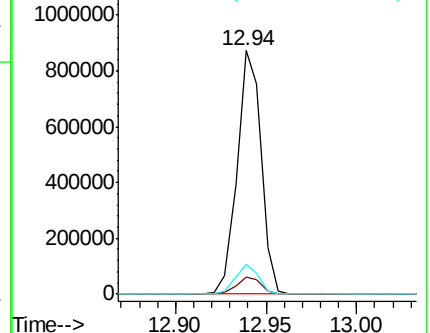
122 12.5 9.0 13.4

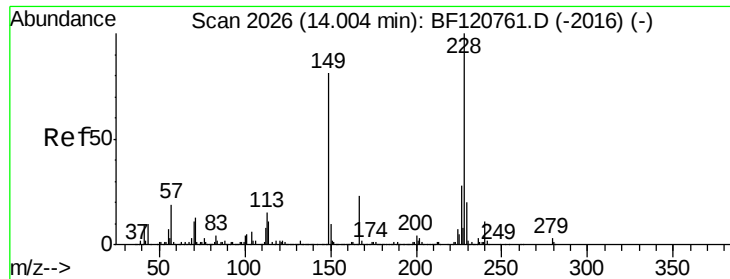


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

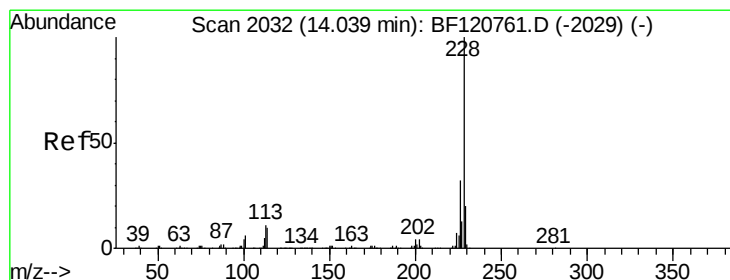
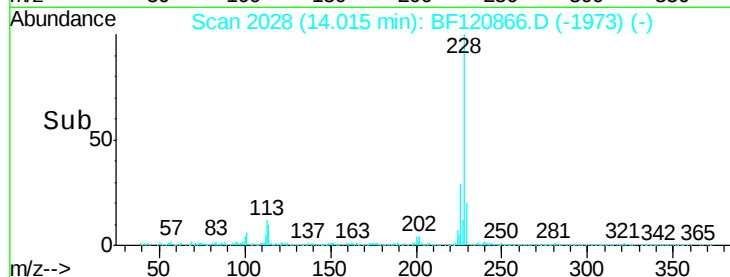
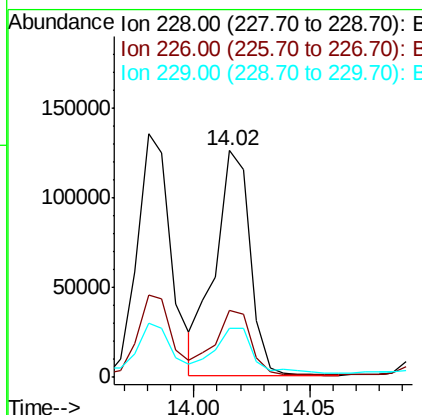
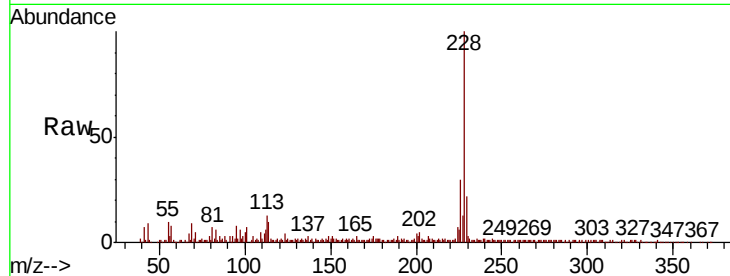




#81
Benzo(a)anthracene
Concen: 4.468 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

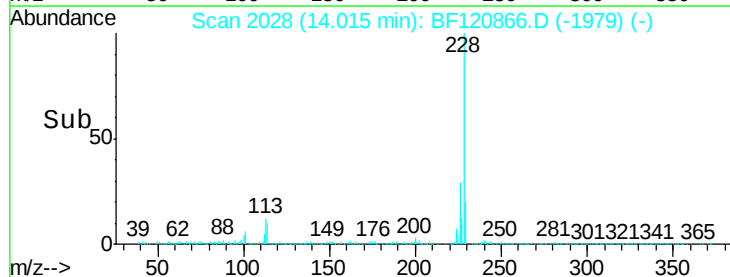
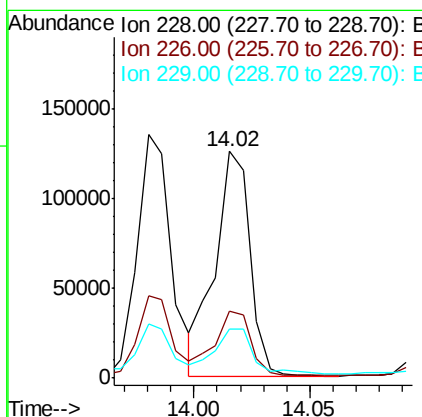
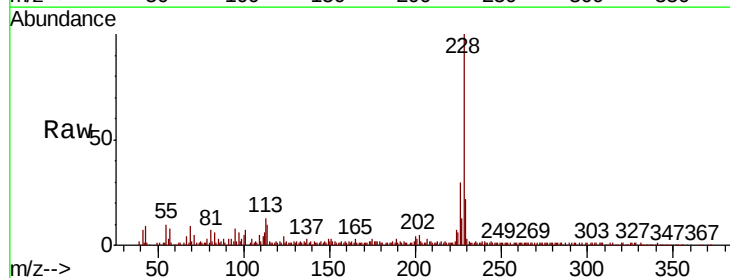
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-012-A

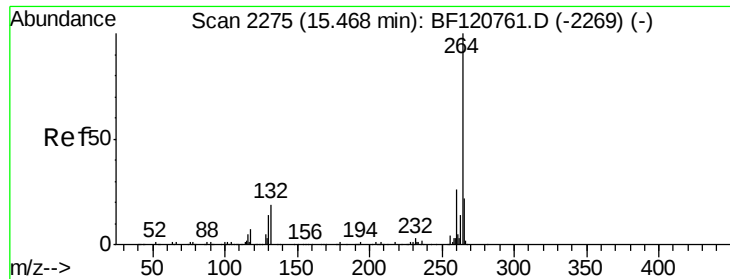
Tot Ion:228 Resp: 131429
Ion Ratio Lower Upper
228 100
226 29.8 22.6 33.8
229 21.8 15.8 23.6



#83
Chrysene
Concen: 4.381 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

Tgt Ion:228 Resp: 131429
Ion Ratio Lower Upper
228 100
226 29.8 25.7 38.5
229 21.8 16.3 24.5

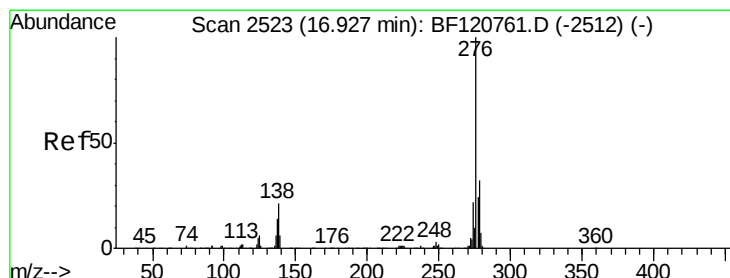
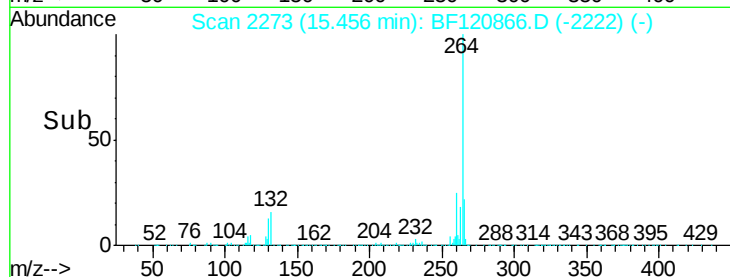
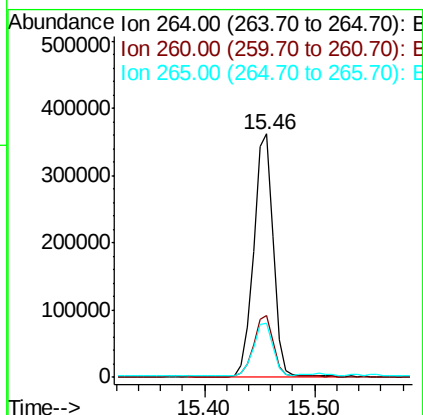
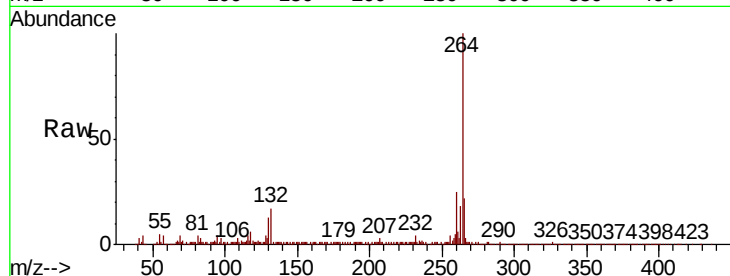




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

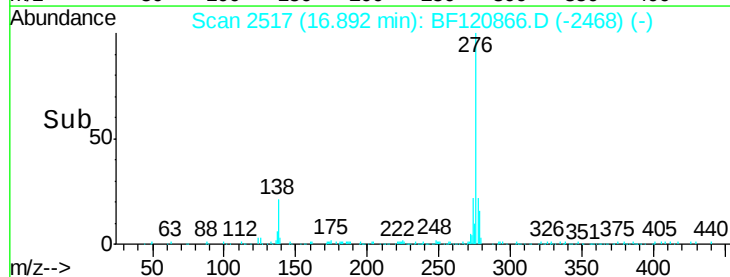
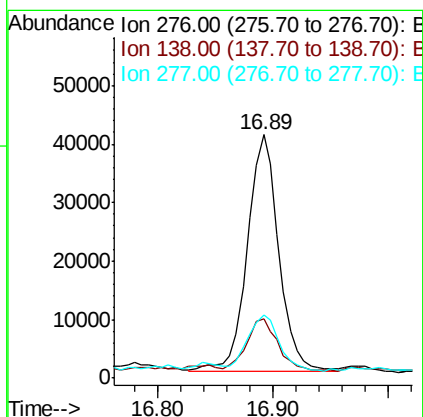
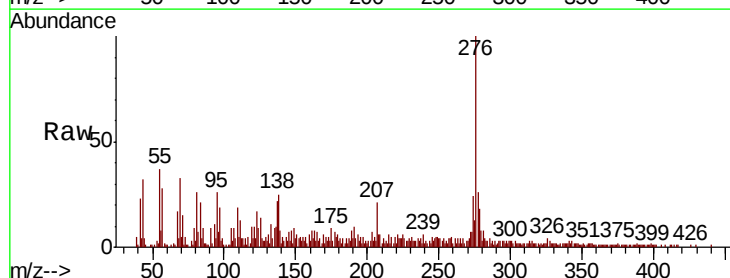
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-012-A

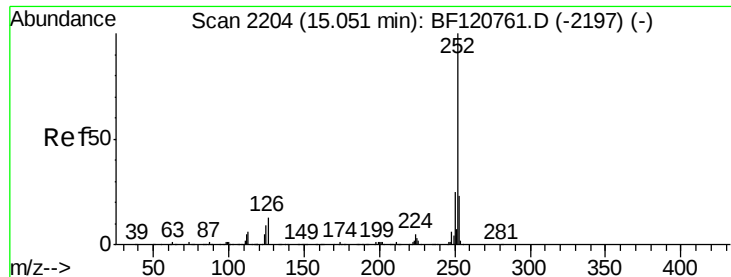
Tot Ion:264 Resp: 448592
Ion Ratio Lower Upper
264 100
260 25.2 20.6 30.8
265 22.2 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.656 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

Tgt Ion:276 Resp: 76421
Ion Ratio Lower Upper
276 100
138 21.1 19.8 29.8
277 23.7 19.9 29.9

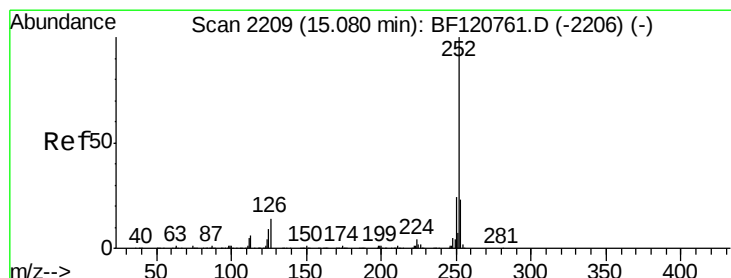
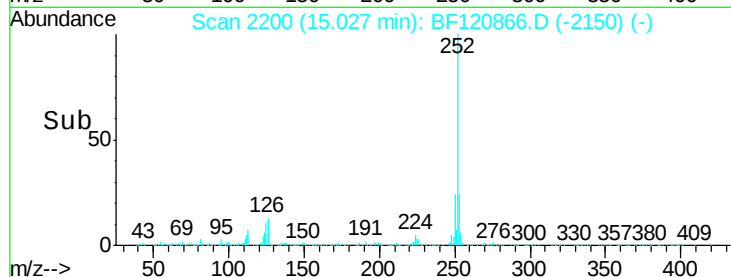
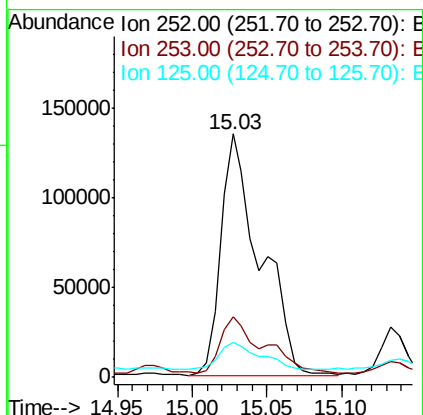
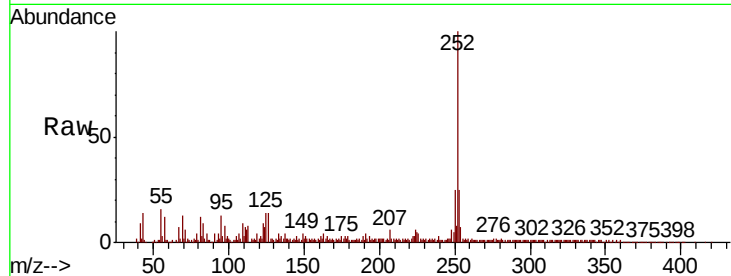




#88
Benzo(b)fluoranthene
Concen: 8.353 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

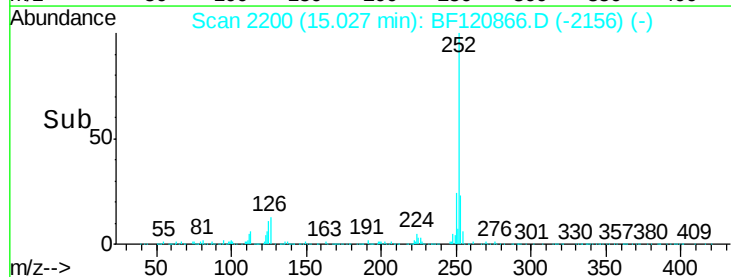
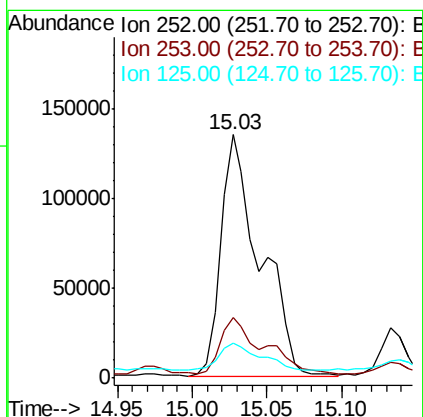
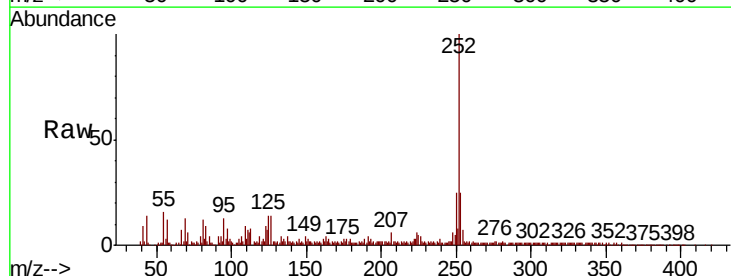
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-012-A

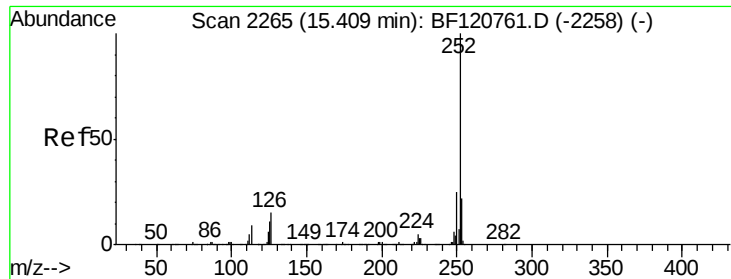
Tot Ion:252 Resp: 246343
Ion Ratio Lower Upper
252 100
253 25.0 18.0 27.0
125 14.3 7.5 11.3#



#89
Benzo(k)fluoranthene
Concen: 8.584 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

Tgt Ion:252 Resp: 246343
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 14.3 7.6 11.4#

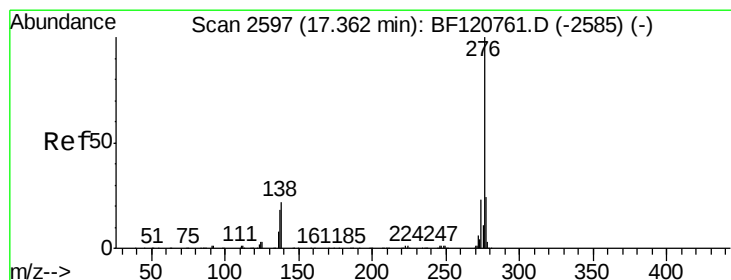
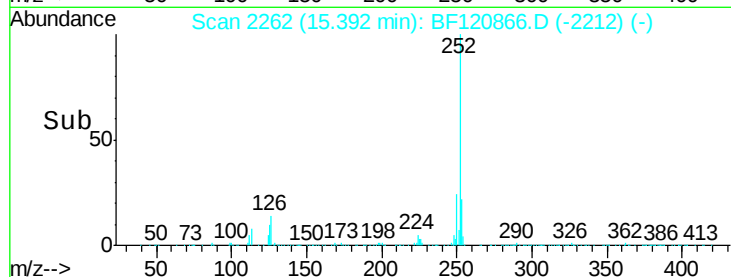
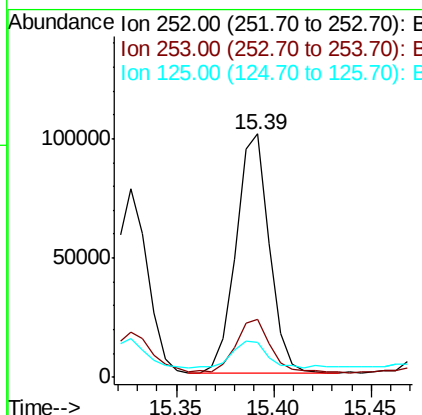
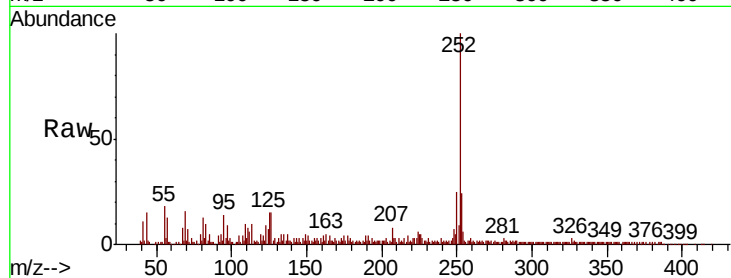




#90
Benzo(a)pyrene
Concen: 4.519 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-012-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	14.6	9.2	13.8#



#92
Benzo(g,h,i)perylene
Concen: 3.311 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.02 min
Lab File: BF120866.D
Acq: 14 Jul 2020 17:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.8	28.2
138	21.7	17.4	26.2

