

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
 Data File : BF114243.D
 Acq On : 13 May 2019 21:29
 Operator : JU/SJ
 Sample : K2807-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-A

Quant Time: May 14 04:50:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	217256	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	812224	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	371816	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	681187	20.00	ng	0.00
76) Chrysene-d12	14.02	240	486869	20.00	ng	0.00
87) Perylene-d12	15.50	264	481442	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1222073	90.52	ng	0.01
7) Phenol-d6	6.51	99	1580736	99.00	ng	0.02
23) Nitrobenzene-d5	7.42	82	982991	67.92	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	403841	105.06	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	1832296	74.54	ng	0.00
79) Terphenyl-d14	12.96	244	1769498	74.92	ng	0.00

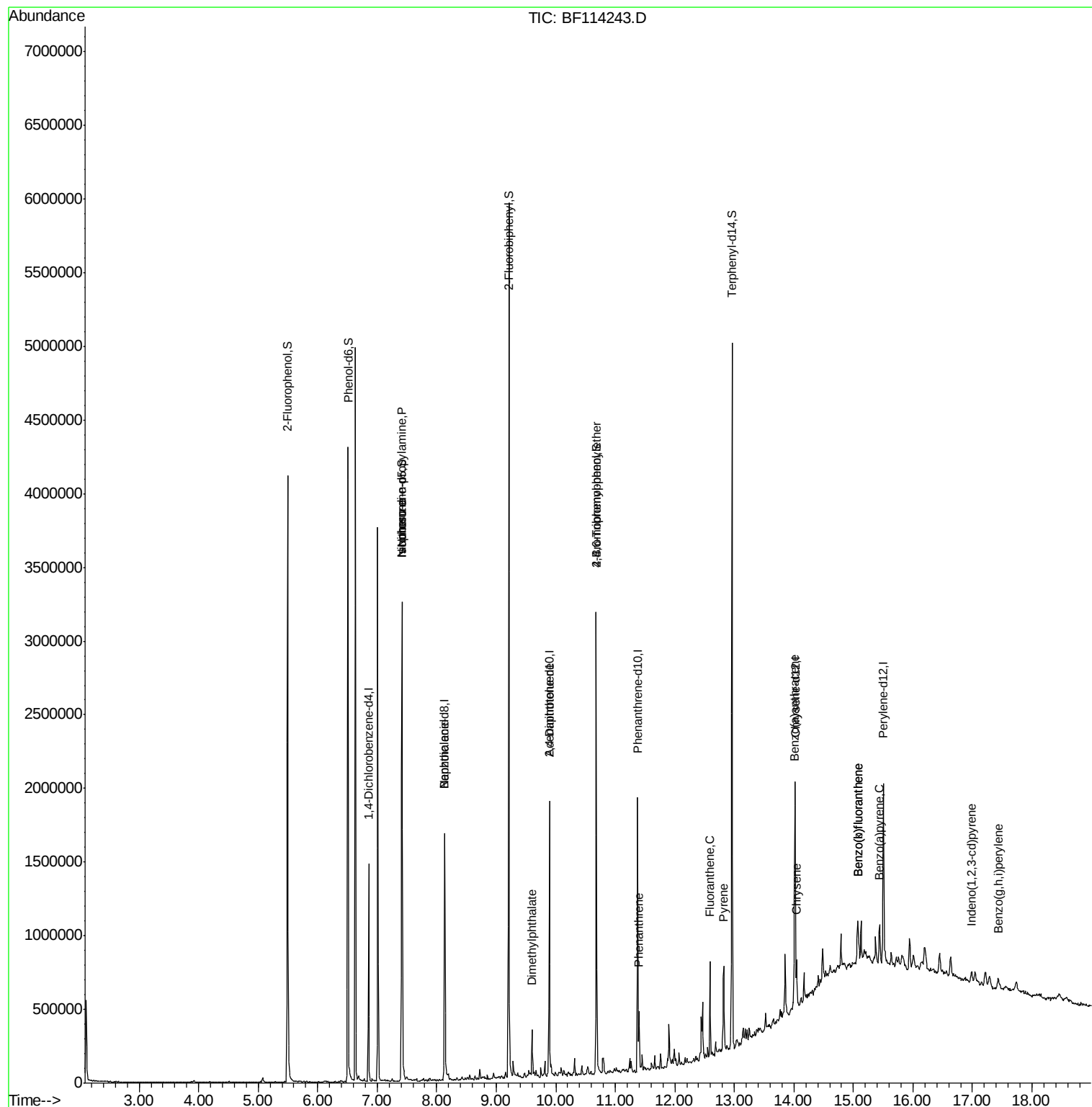
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	133131	13.154	ng	# 76
25) Isophorone	7.42	82	982848	36.617	ng	# 64
32) Benzoic acid	8.13	122	145	7.036	ng	# 1
50) Dimethylphthalate	9.60	163	124375	4.557	ng	100
57) 2,4-Dinitrotoluene	9.89	165	50099	6.097	ng	# 26
67) 4-Bromophenyl-phenylether	10.68	248	26266	3.502	ng	# 1
71) Phenanthrene	11.40	178	136569	4.121	ng	97
75) Fluoranthene	12.59	202	249109	6.980	ng	97
78) Pyrene	12.82	202	231189	5.903	ng	97
81) Benzo(a)anthracene	14.01	228	132721	4.215	ng	99
83) Chrysene	14.04	228	122150	3.957	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	55300	2.027	ng	99
88) Benzo(b)fluoranthene	15.07	252	225113	7.298	ng	# 93
89) Benzo(k)fluoranthene	15.07	252	225113	7.945	ng	# 93
90) Benzo(a)pyrene	15.44	252	112684	4.151	ng	# 93
92) Benzo(g,h,i)perylene	17.43	276	50375	2.228	ng	# 89

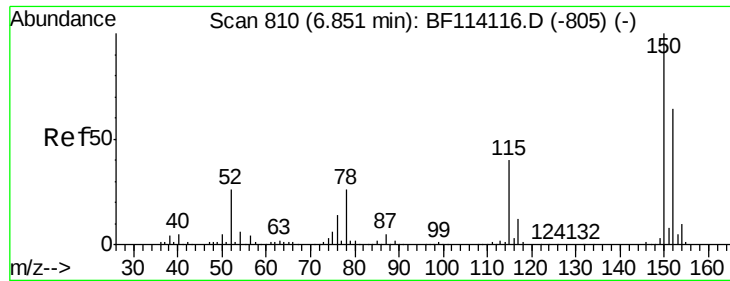
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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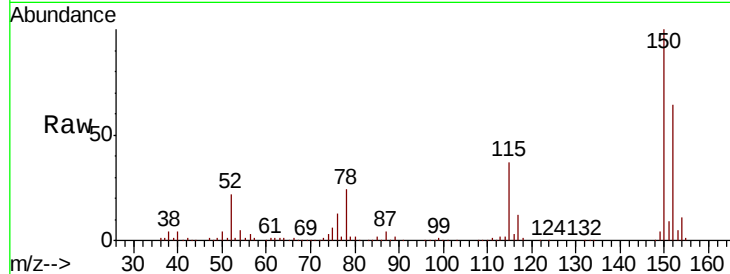


#1

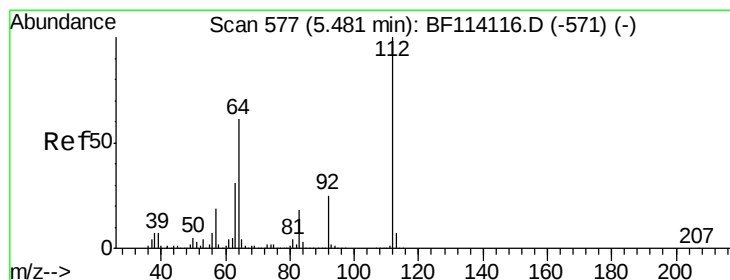
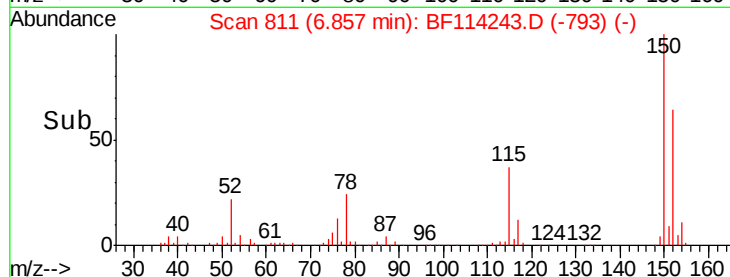
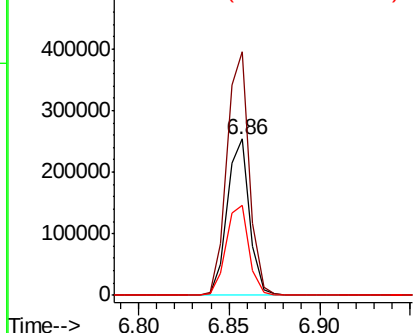
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-A

Tgt Ion:152 Resp: 217256
Ion Ratio Lower Upper
152 100
150 155.6 124.3 186.5
115 57.9 49.1 73.7



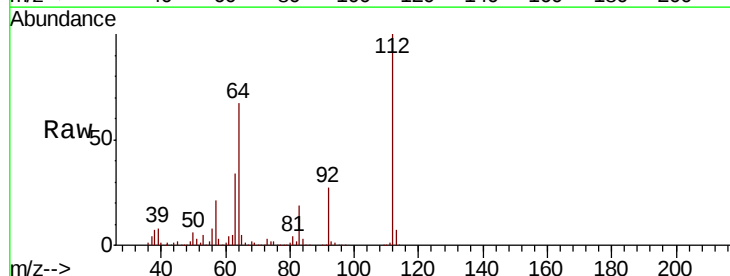
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



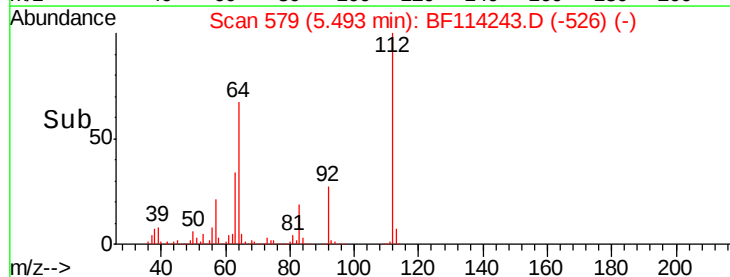
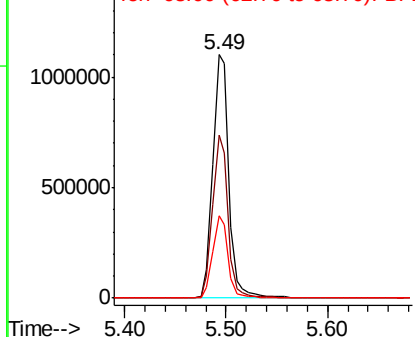
#5

2-Fluorophenol
Concen: 90.522 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Tgt Ion:112 Resp: 1222073
Ion Ratio Lower Upper
112 100
64 66.9 49.0 73.6
63 33.6 24.6 37.0



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: 98.998 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114243.D

Acq: 13 May 2019 21:29

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-039-A

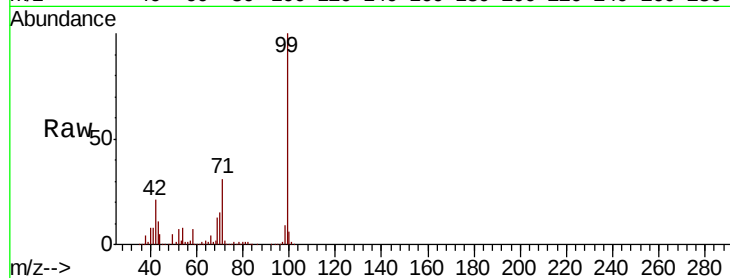
Tgt Ion: 99 Resp: 1580736

Ion Ratio Lower Upper

99 100

42 20.6 17.9 26.9

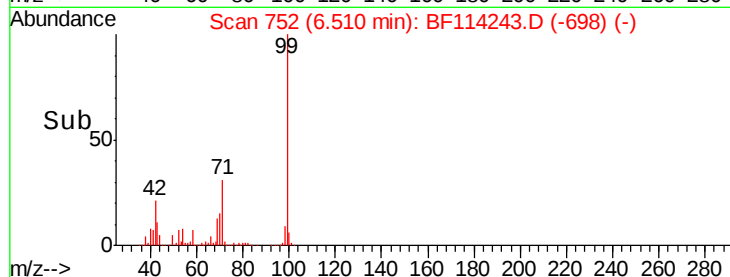
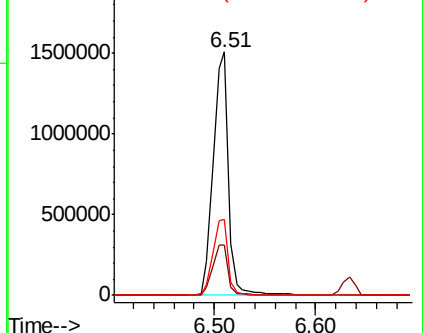
71 31.0 26.2 39.2



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: 13.154 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF114243.D

Acq: 13 May 2019 21:29

Tgt Ion: 70 Resp: 133131

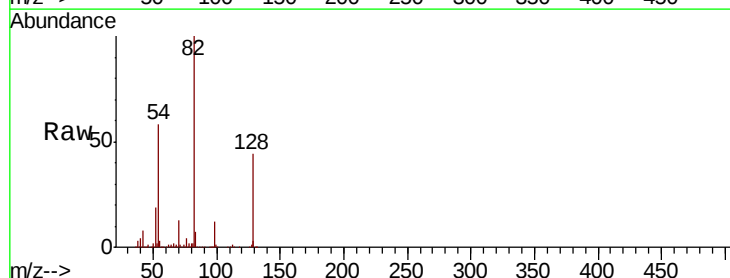
Ion Ratio Lower Upper

70 100

42 57.0 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#

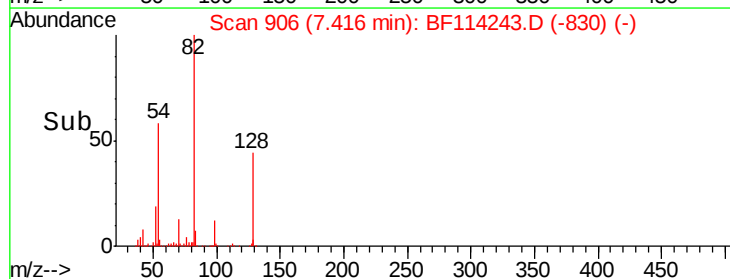
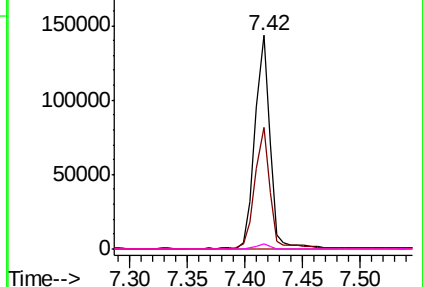


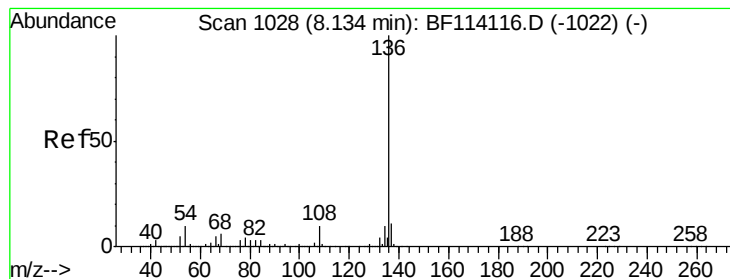
Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.00 min

Lab File: BF114243.D

Acq: 13 May 2019 21:29

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-039-A

Tgt Ion: 136 Resp: 812224

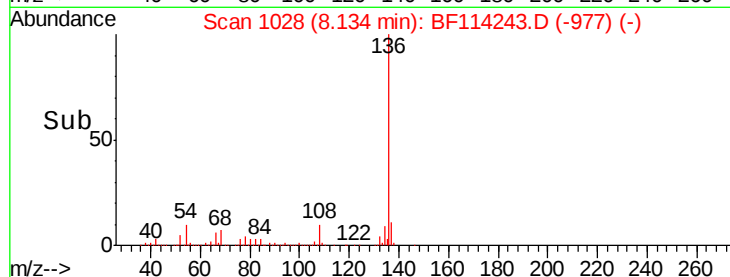
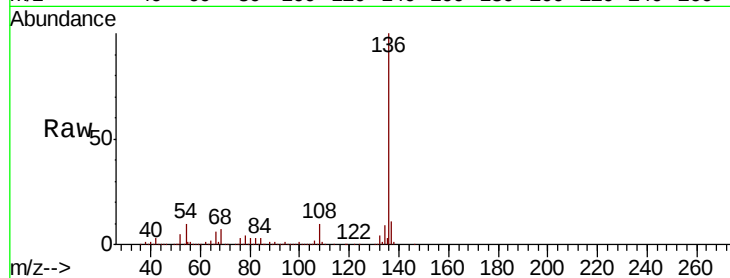
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 10.3 7.8 11.8

68 6.8 5.1 7.7



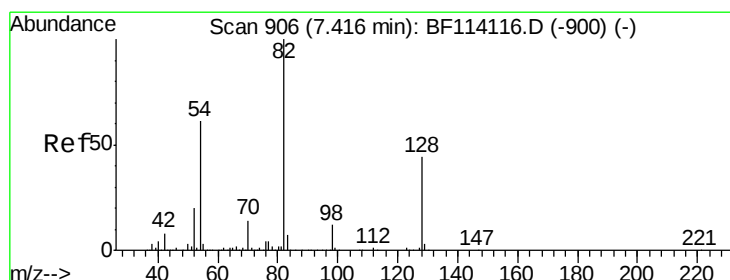
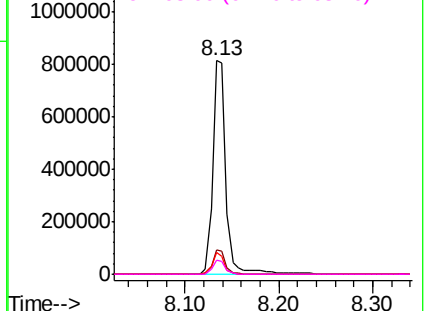
Abundance

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: 67.919 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.00 min

Lab File: BF114243.D

Acq: 13 May 2019 21:29

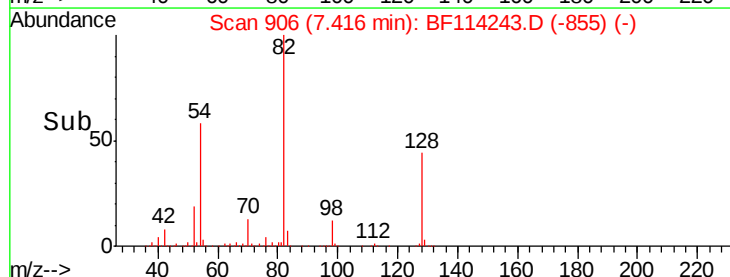
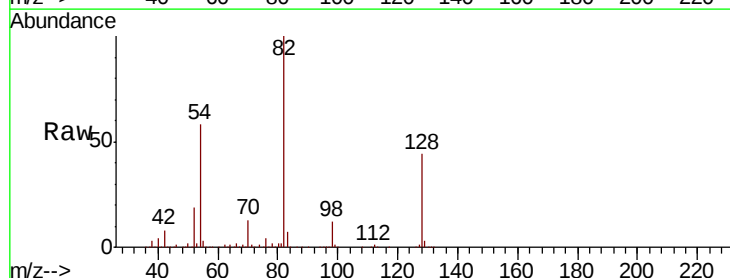
Tgt Ion: 82 Resp: 982991

Ion Ratio Lower Upper

82 100

128 44.3 35.5 53.3

54 57.8 48.5 72.7

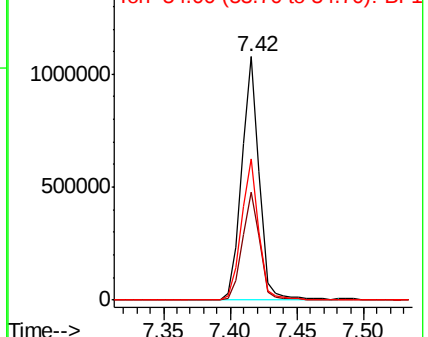


Abundance

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: 36.617 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF114243.D

Acq: 13 May 2019 21:29

Instrument :

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FK-GF-02-039-A

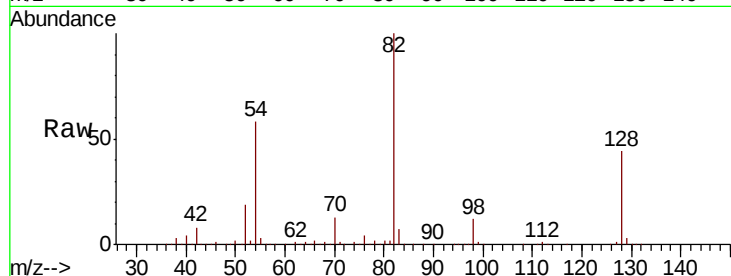
Tgt Ion: 82 Resp: 982848

Ion Ratio Lower Upper

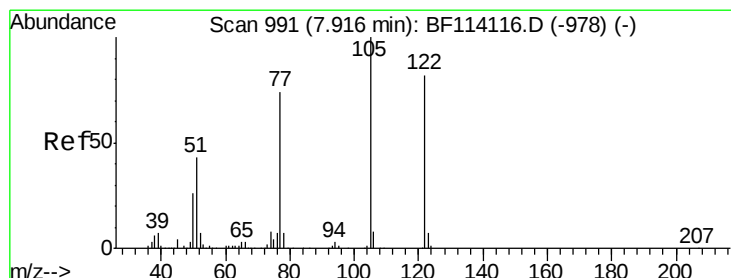
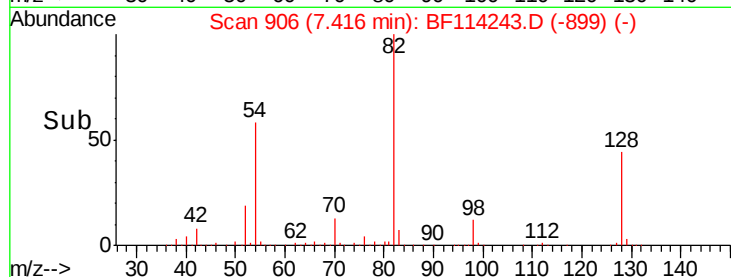
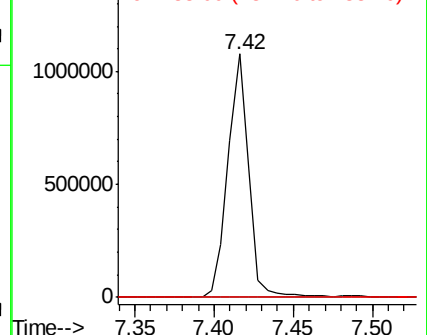
82 100

95 0.1 5.6 8.4#

138 0.0 14.8 22.2#



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



#32

Benzoic acid

Concen: 7.036 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.22 min

Lab File: BF114243.D

Acq: 13 May 2019 21:29

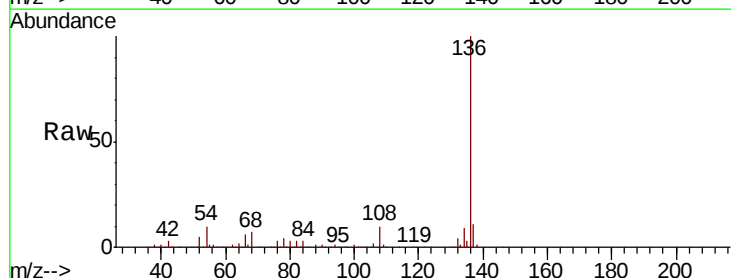
Tgt Ion: 122 Resp: 145

Ion Ratio Lower Upper

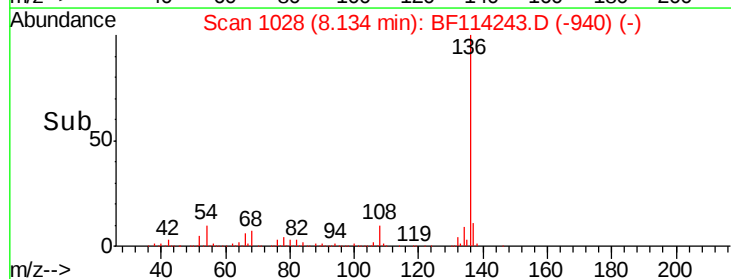
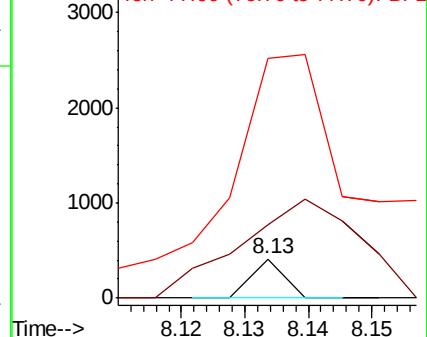
122 100

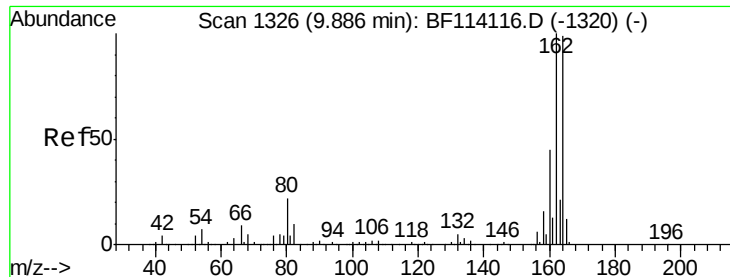
105 187.8 99.9 139.9#

77 614.1 69.4 109.4#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

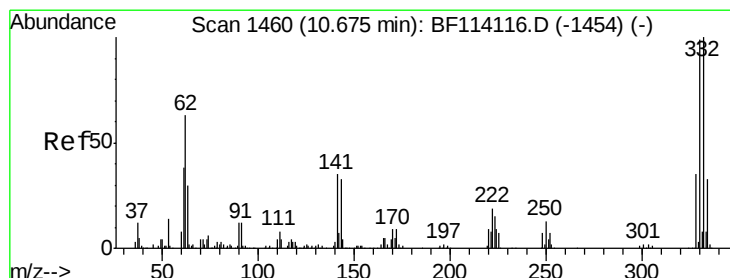
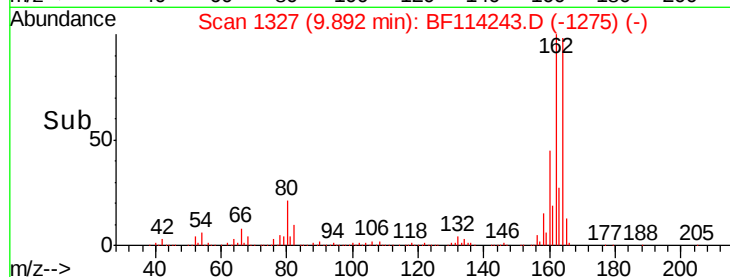
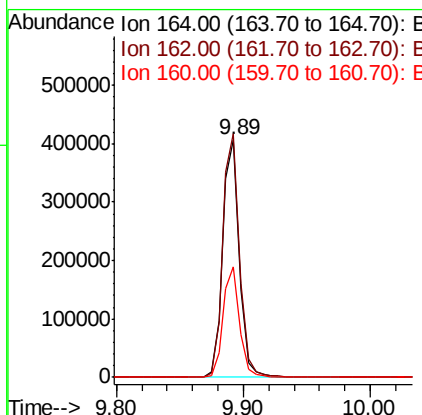
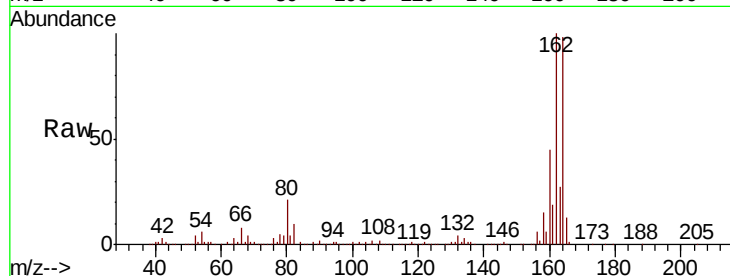




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

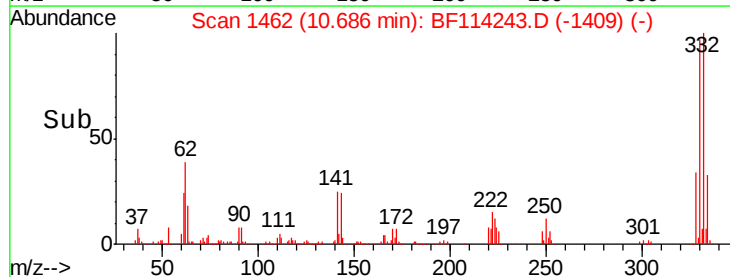
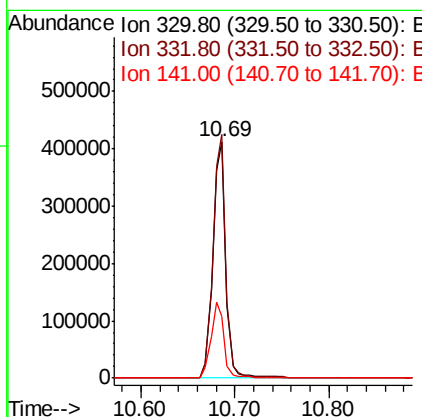
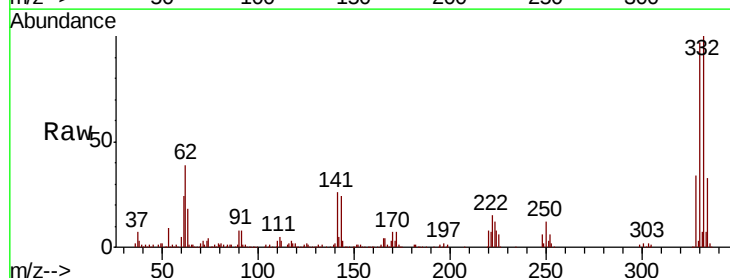
Instrument :
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 FK-GF-02-039-A

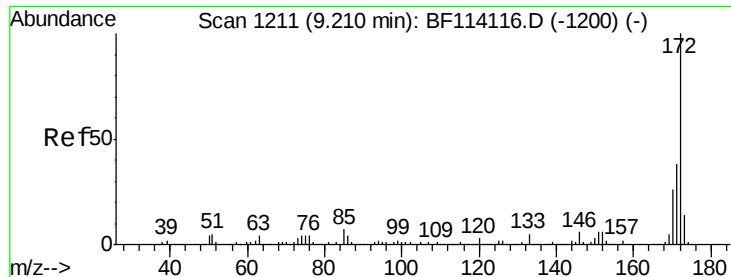
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	120.8
160	46.3	36.5	54.7



#42
 2,4,6-Tribromophenol
 Concen: 105.059 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.6	81.4	122.2
141	32.2	26.6	40.0

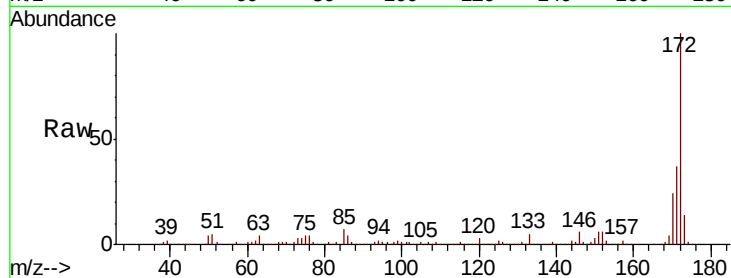




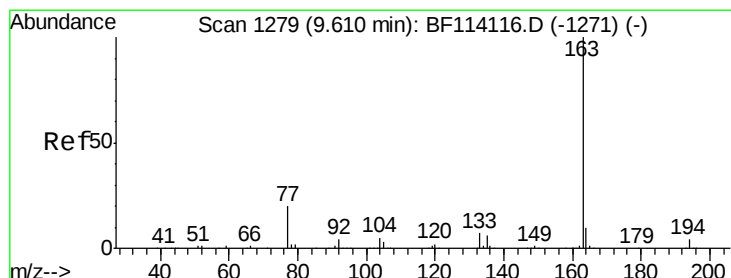
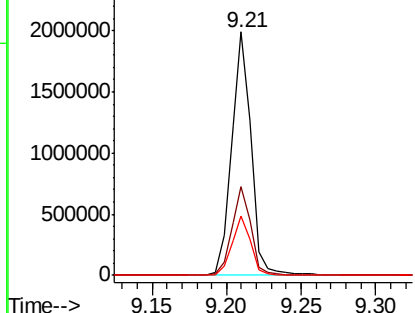
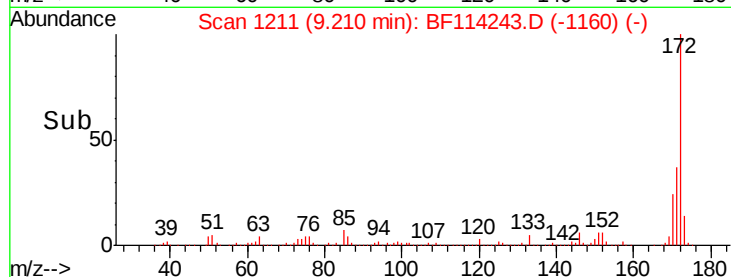
#45
 2-Fluorobiphenyl
 Concen: 74.544 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-A

Tgt Ion:172 Resp: 1832296
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.7 46.1
 170 24.4 20.5 30.7

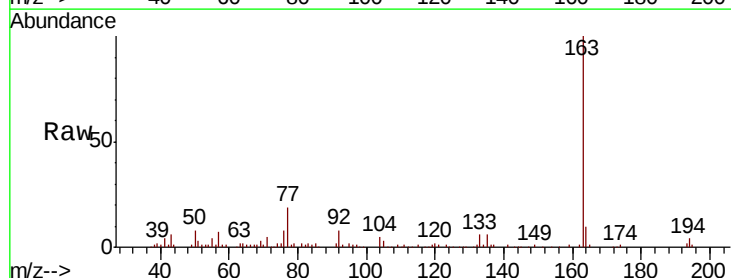


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

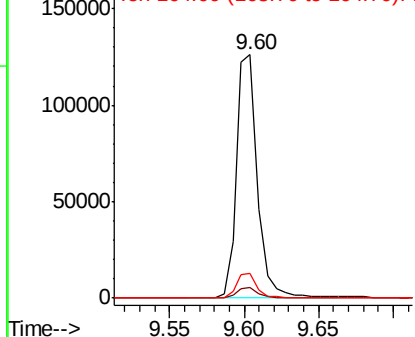
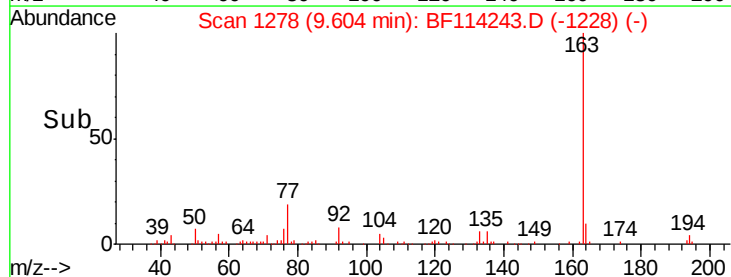


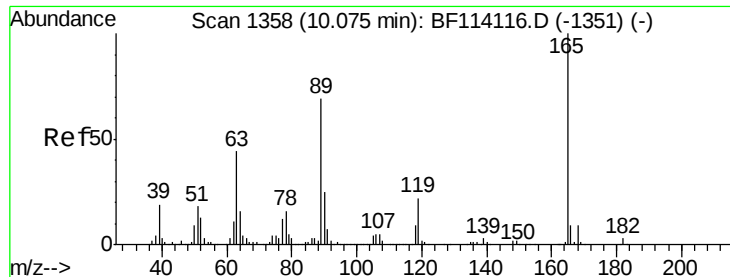
#50
 Dimethylphthalate
 Concen: 4.557 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

Tgt Ion:163 Resp: 124375
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.4 5.0
 164 10.2 8.2 12.2



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

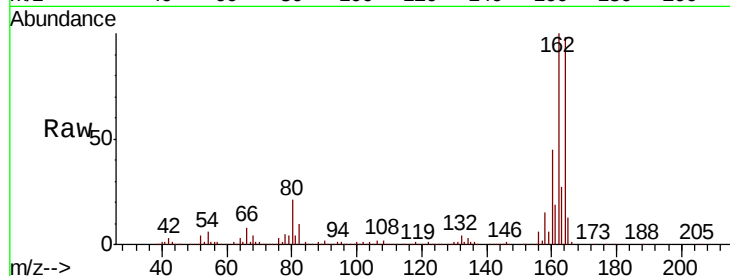




#57
 2,4-Dinitrotoluene
 Concen: 6.097 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.18 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	35.5	53.3#
89	1.9	55.2	82.8#
182	0.0	2.2	3.2#

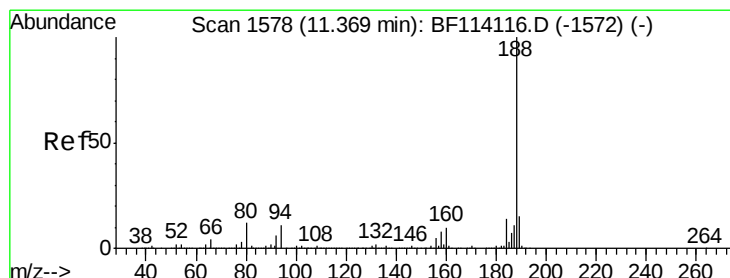
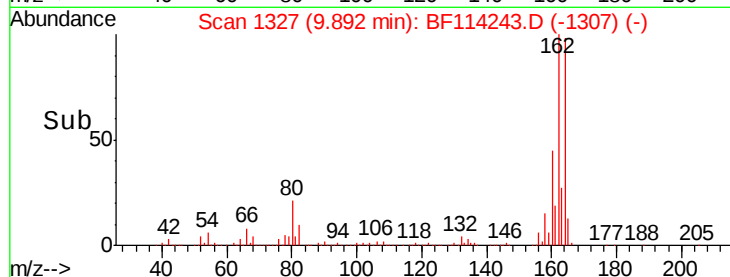
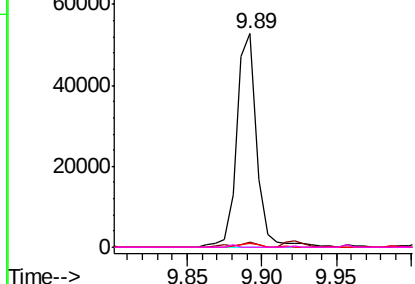


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

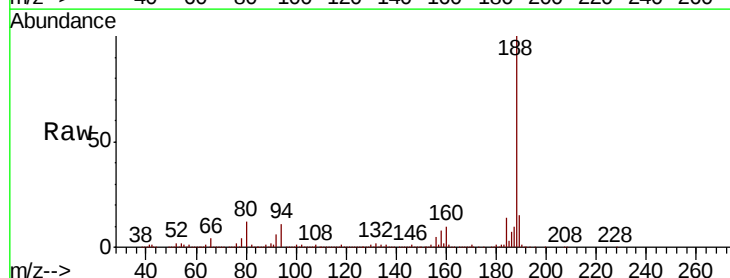
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

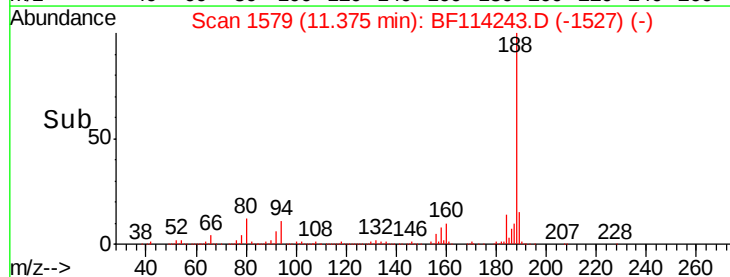
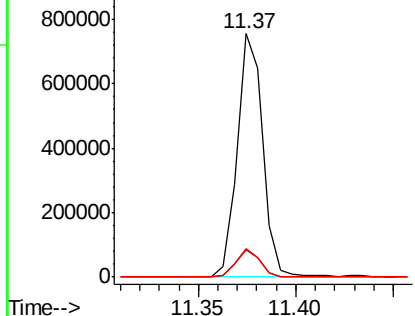
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.4	12.6
80	11.9	9.2	13.8

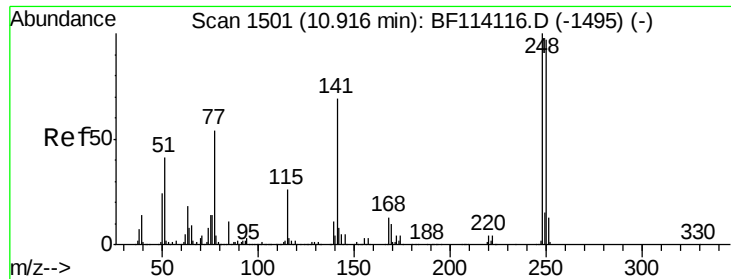


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

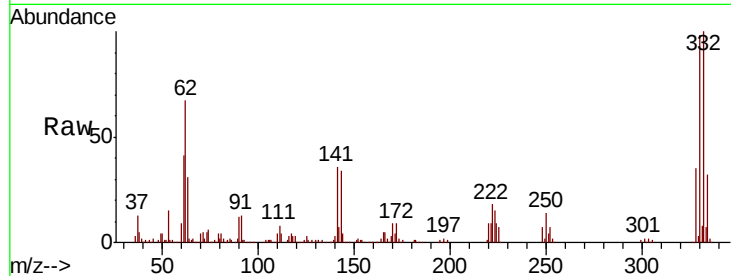




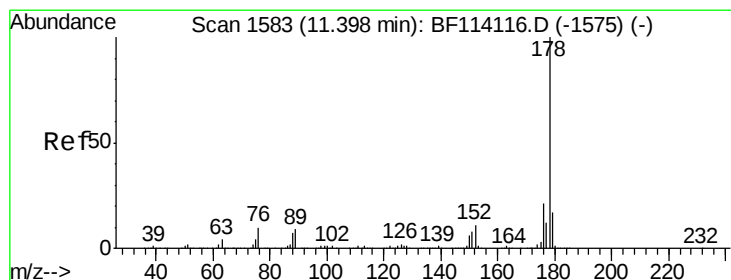
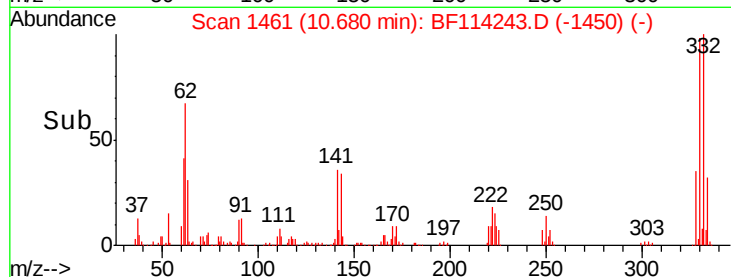
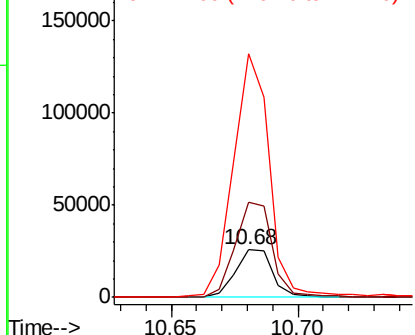
#67
 4-Bromophenyl-phenylether
 Concen: 3.502 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-A

Tgt Ion:248 Resp: 26266
 Ion Ratio Lower Upper
 248 100
 250 200.0 77.4 116.2#
 141 513.9 55.6 83.4#

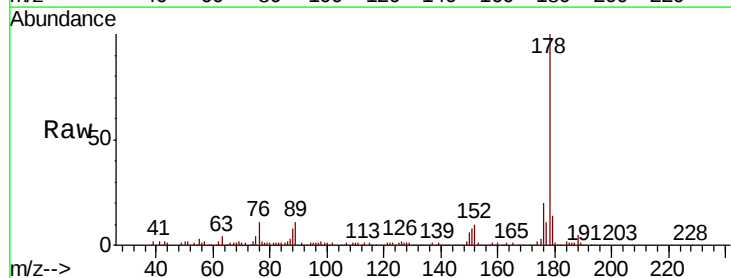


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

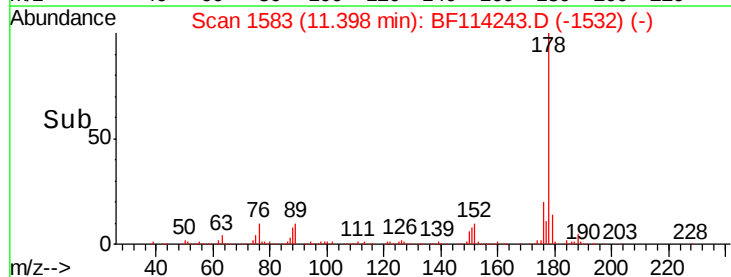
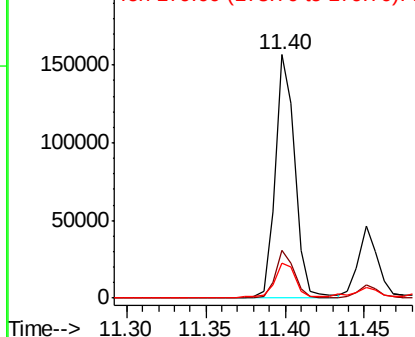


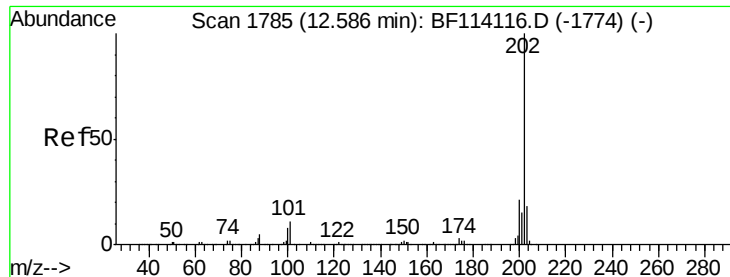
#71
 Phenanthrene
 Concen: 4.121 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

Tgt Ion:178 Resp: 136569
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.4 24.6
 179 14.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.980 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114243.D

Acq: 13 May 2019 21:29

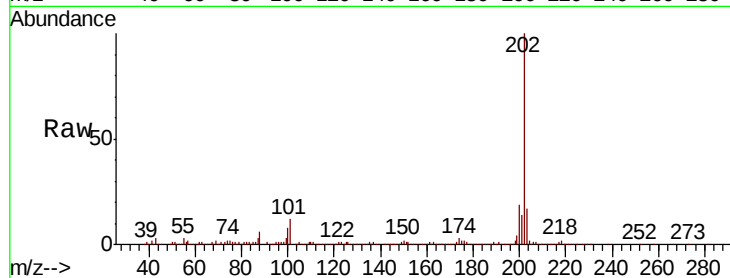
Instrument :

BNA_F

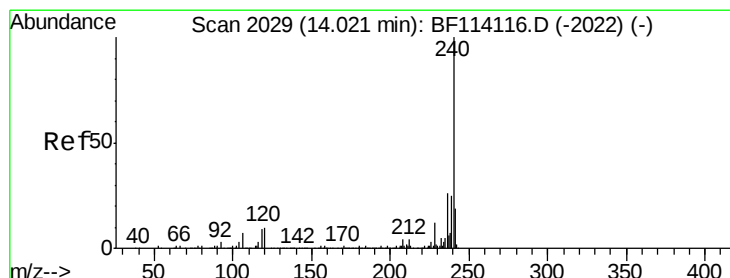
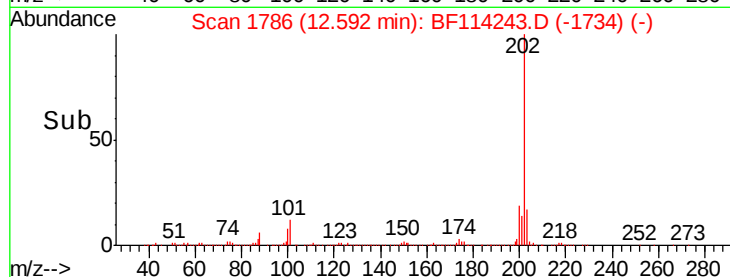
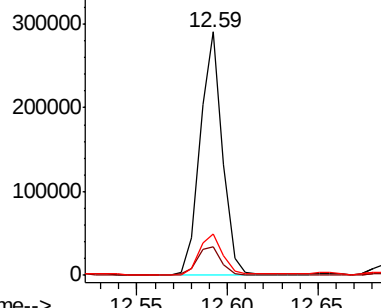
ClientSampleId :

FK-GF-02-039-A

Tgt Ion:	202	Resp:	249109
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.0
203	17.2	0.0	38.4



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

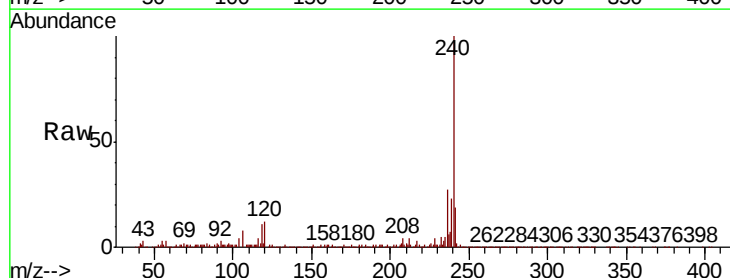
RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

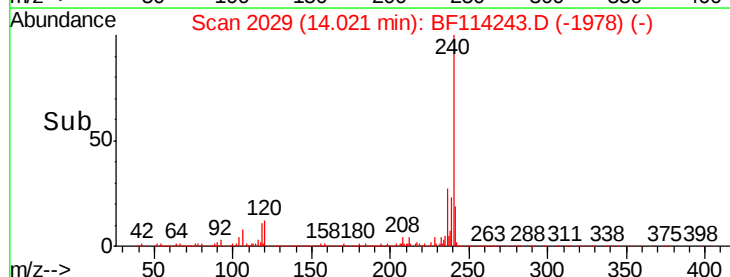
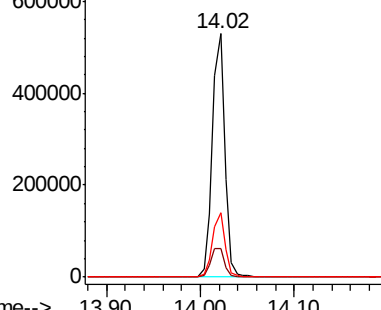
Lab File: BF114243.D

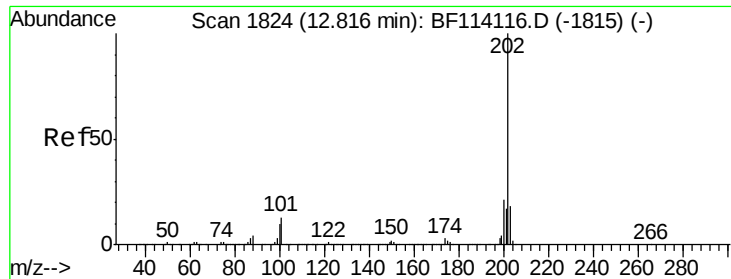
Acq: 13 May 2019 21:29

Tgt Ion:	240	Resp:	486869
Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.3	12.5
236	26.7	20.8	31.2



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

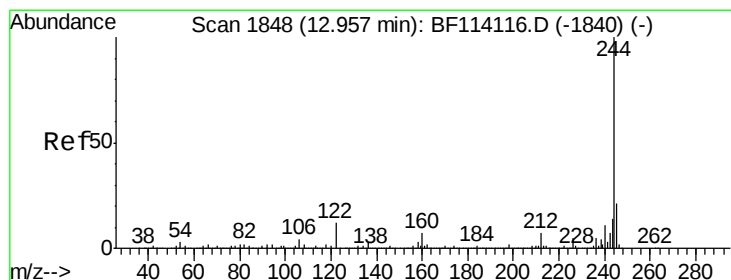
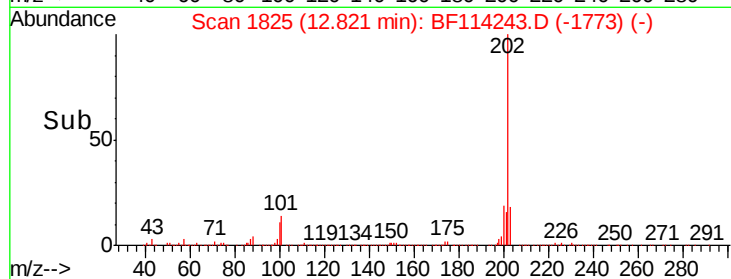
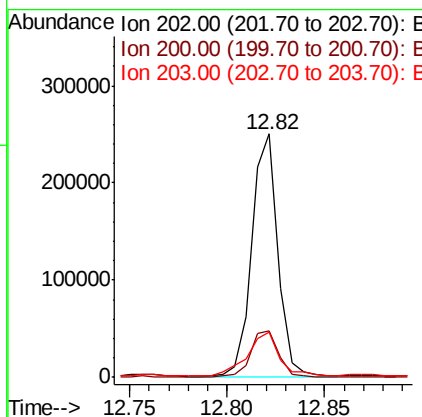
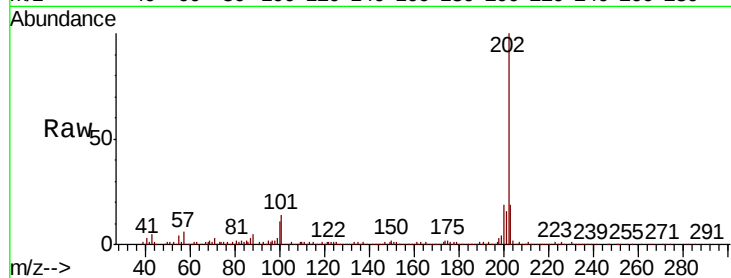




#78
 Pyrene
 Concen: 5.903 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

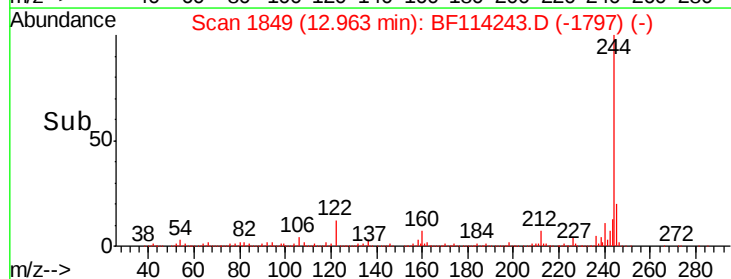
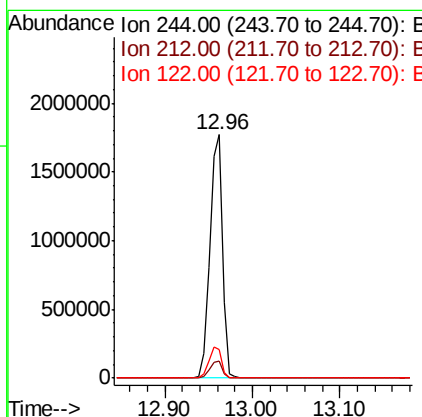
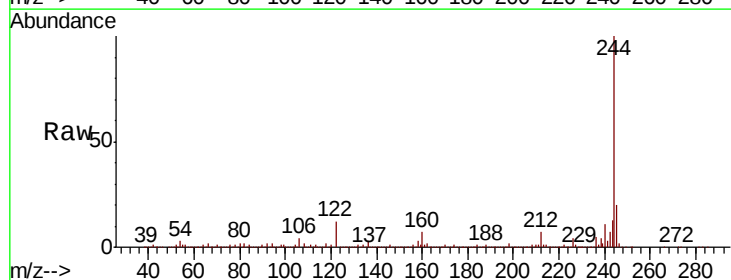
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-A

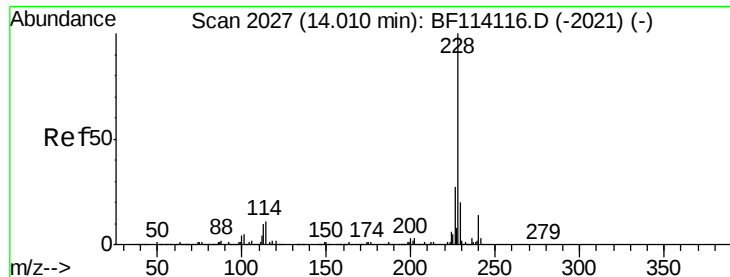
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.0	16.9	25.3
203	18.7	14.5	21.7



#79
 Terphenyl-d14
 Concen: 74.922 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: BF114243.D
 Acq: 13 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	11.7	9.4	14.2

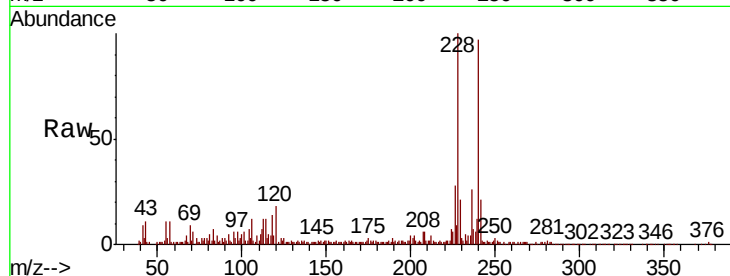




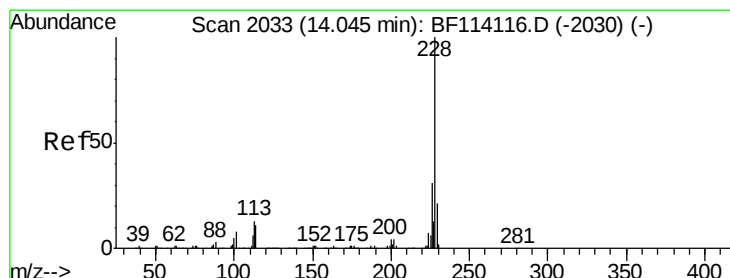
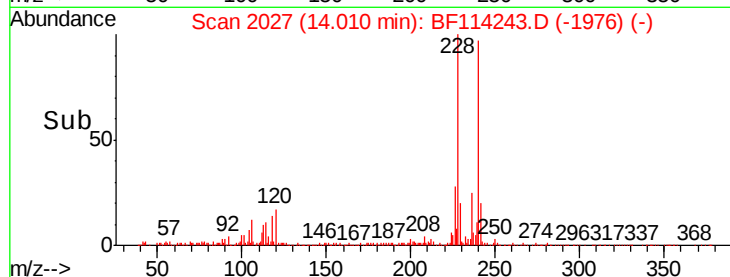
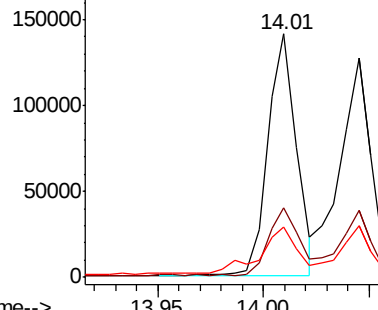
#81
Benzo(a)anthracene
Concen: 4.215 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-A

Tgt Ion:228 Resp: 132721
Ion Ratio Lower Upper
228 100
226 28.4 22.2 33.2
229 20.8 16.4 24.6

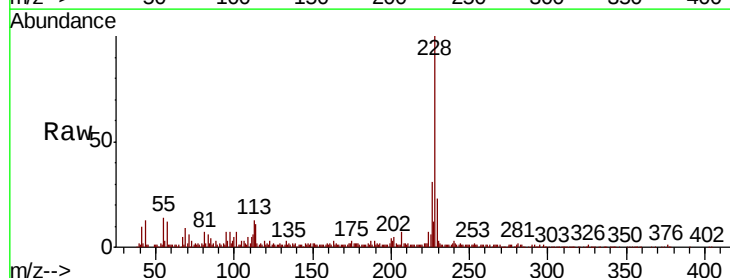


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

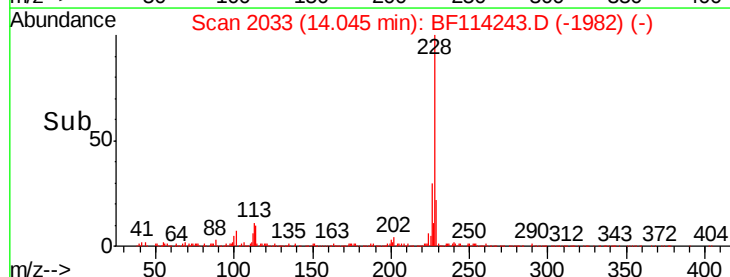
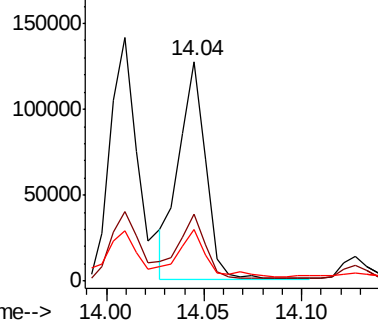


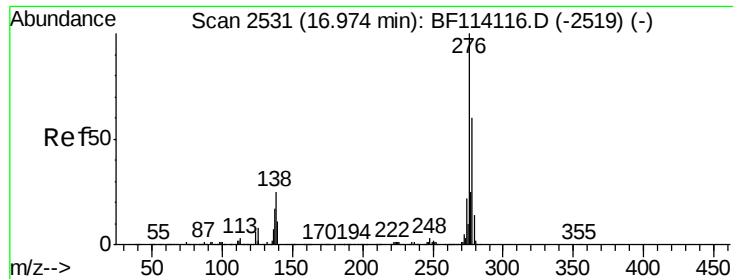
#83
Chrysene
Concen: 3.957 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Tgt Ion:228 Resp: 122150
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 23.5 17.0 25.6



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

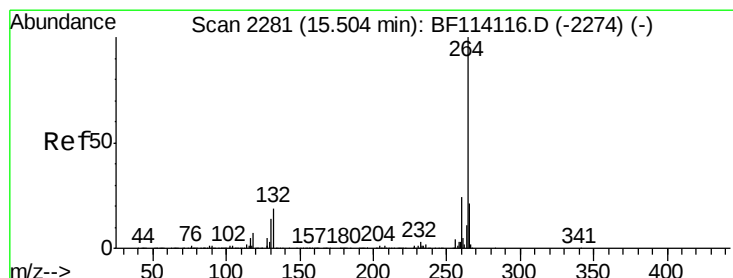
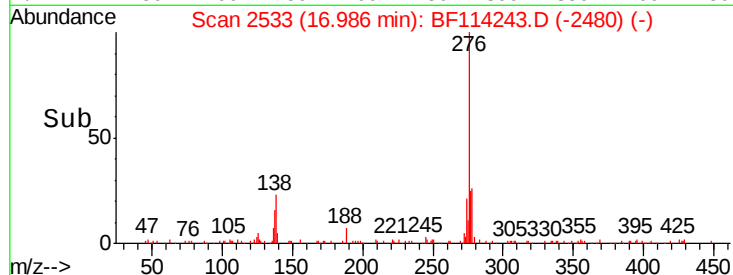
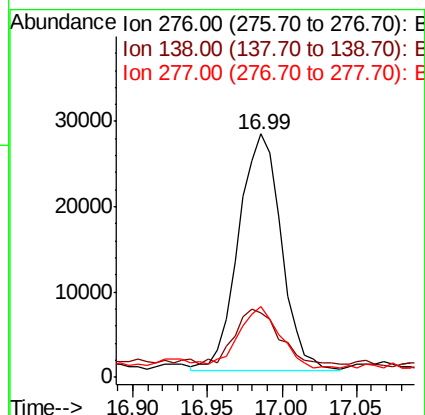
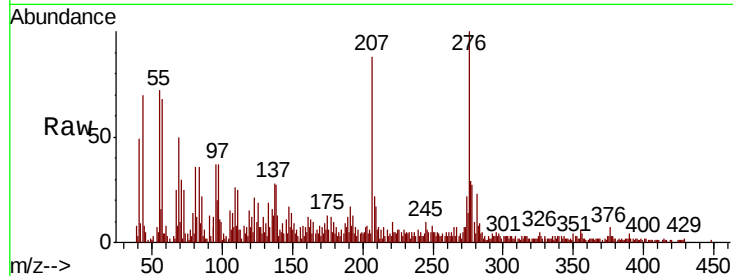




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.027 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

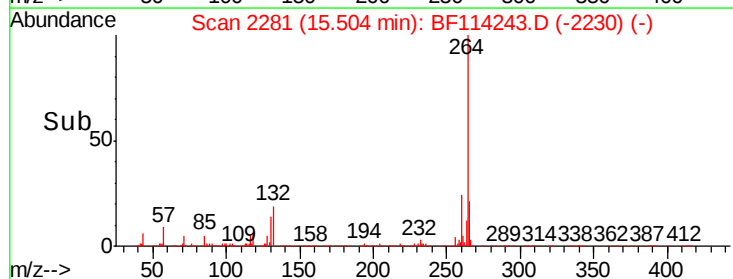
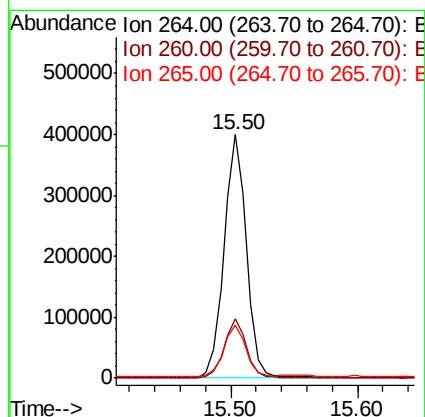
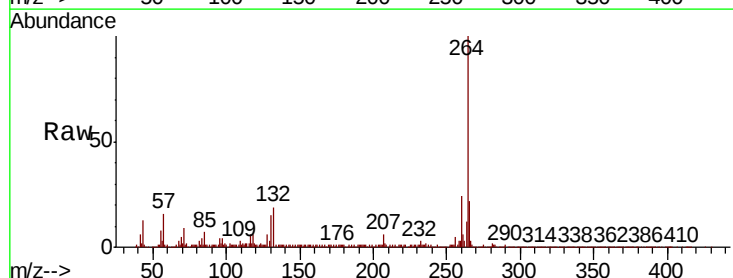
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-A

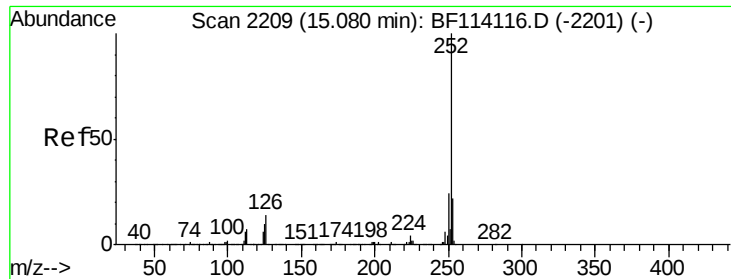
Tgt Ion: 276 Resp: 55300
Ion Ratio Lower Upper
276 100
138 25.3 20.2 30.2
277 24.0 20.0 30.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Tgt Ion: 264 Resp: 481442
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 21.9 16.9 25.3

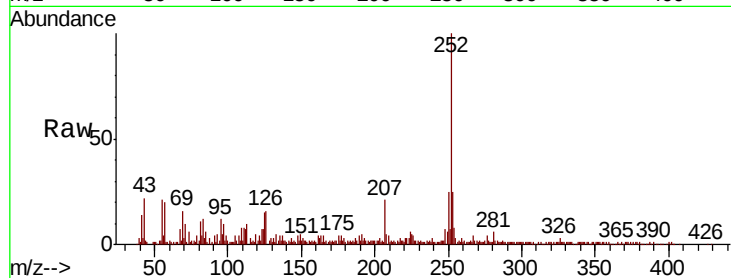




#88
Benzo(b)fluoranthene
Concen: 7.298 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	15.1	8.3	12.5#

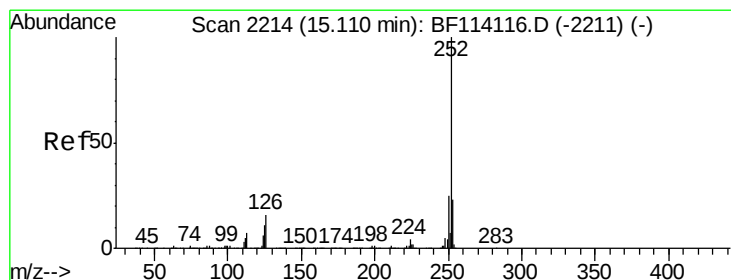
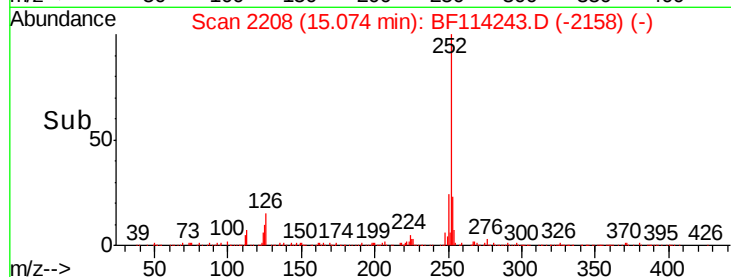
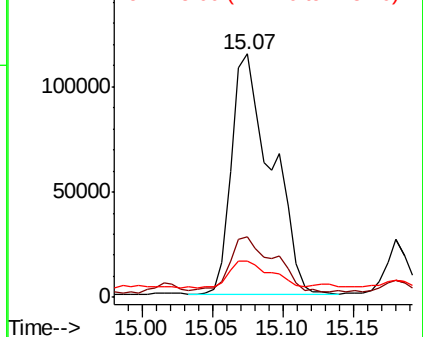


Abundance

Ion 252.00 (251.70 to 252.70): E

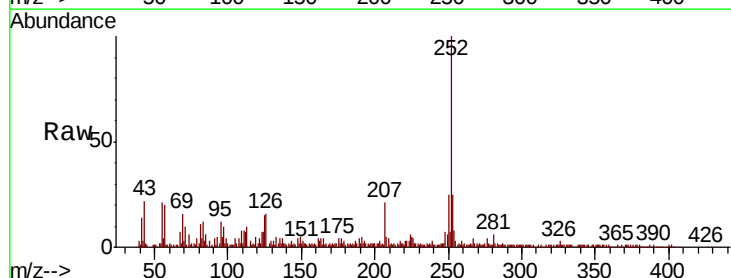
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 7.945 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	15.1	8.6	13.0#

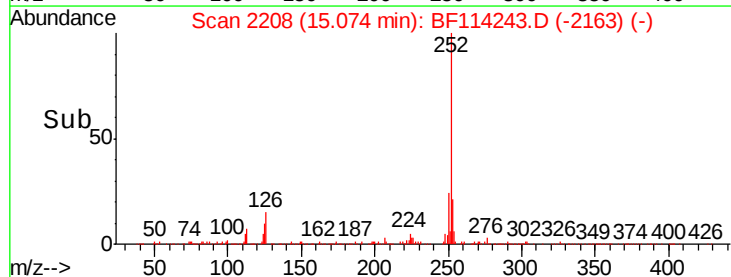
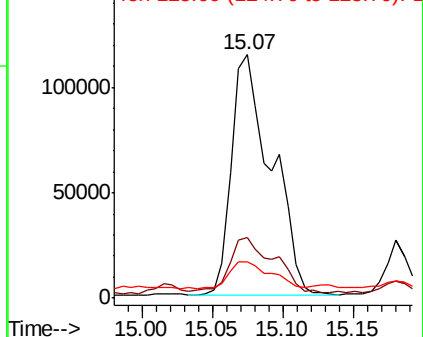


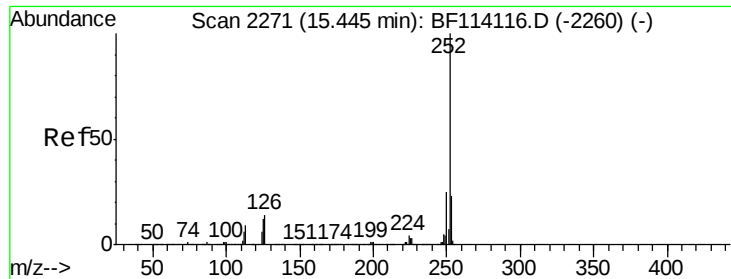
Abundance

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

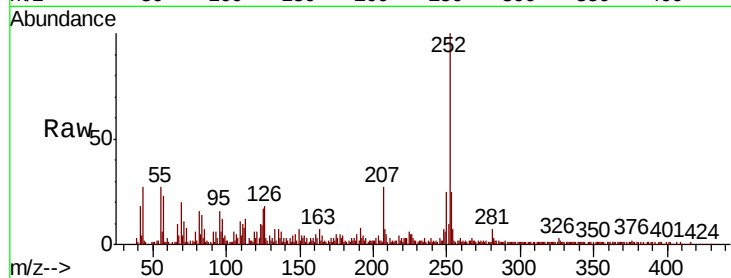




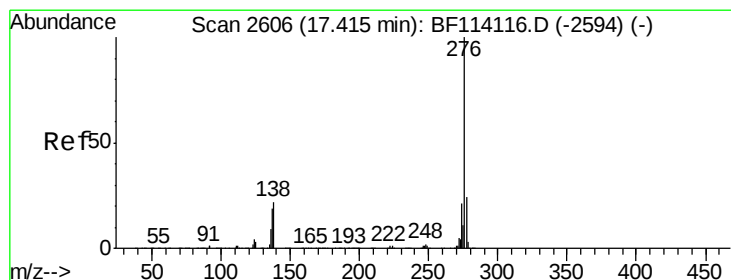
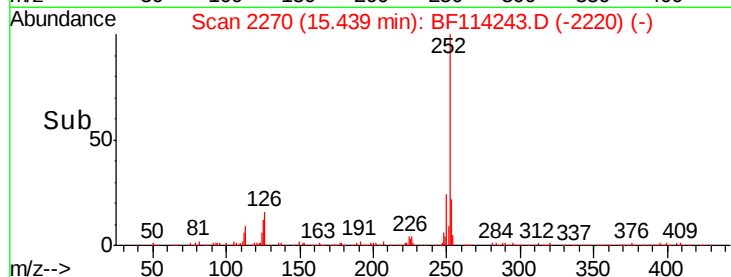
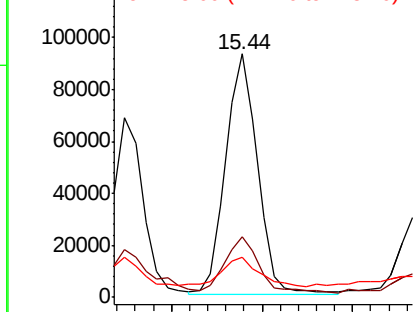
#90
Benzo(a)pyrene
Concen: 4.151 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-A

Tgt Ion: 252 Resp: 112684
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 16.7 9.5 14.3#

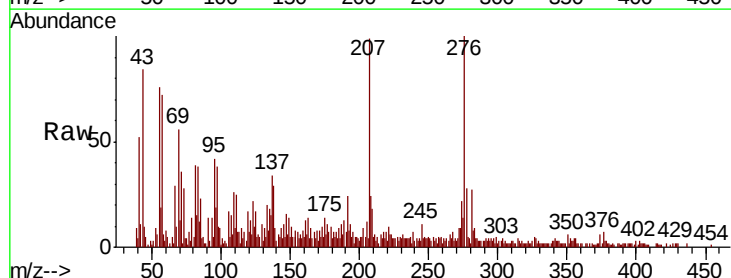


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.228 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF114243.D
Acq: 13 May 2019 21:29

Tgt Ion: 276 Resp: 50375
Ion Ratio Lower Upper
276 100
277 27.6 19.0 28.4
138 29.4 17.8 26.6#



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

