

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040620\
 Data File : BF119814.D
 Acq On : 7 Apr 2020 11:42
 Operator : MA/SJ
 Sample : L2148-01
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-055-A

Quant Time: Apr 07 12:12:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	166518	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	601086	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	292414	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	536671	20.00	ng	0.00
76) Chrysene-d12	13.96	240	381230	20.00	ng	0.00
87) Perylene-d12	15.40	264	364590	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1088291	104.04	ng	0.00
7) Phenol-d6	6.42	99	1350887	101.10	ng	0.00
23) Nitrobenzene-d5	7.35	82	831877	75.22	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	345627	114.57	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1427412	72.32	ng	0.00
79) Terphenyl-d14	12.90	244	1465887	75.33	ng	0.00

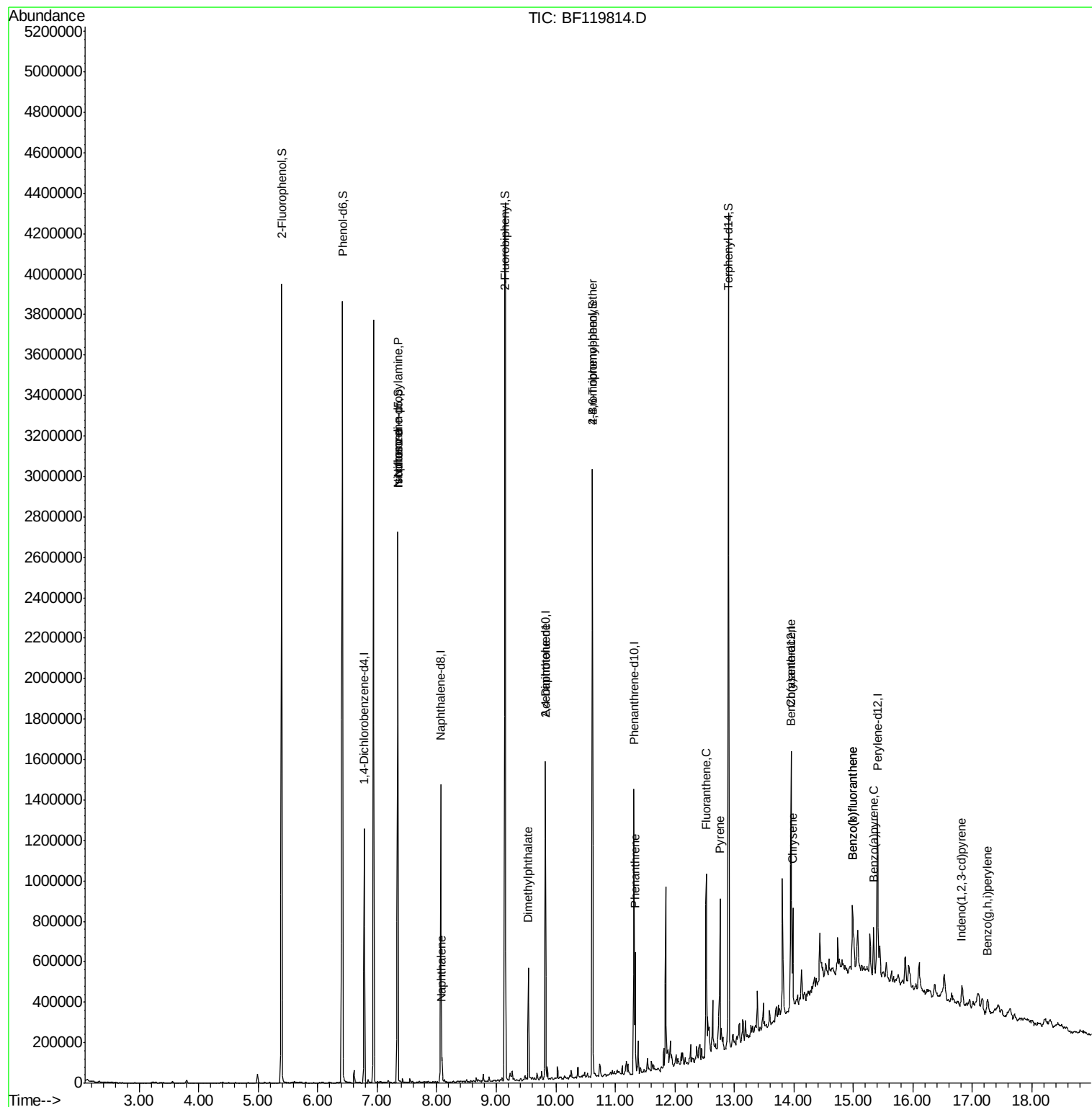
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	107003	13.286	ng	# 75
25) Isophorone	7.35	82	831869	37.078	ng	# 65
31) Naphthalene	8.09	128	64085	2.072	ng	98
50) Dimethylphthalate	9.54	163	197882	9.527	ng	100
57) 2,4-Dinitrotoluene	9.83	165	38327	6.834	ng	# 20
67) 4-Bromophenyl-phenylether	10.62	248	20224	3.309	ng	# 1
71) Phenanthrene	11.33	178	213888	7.686	ng	98
75) Fluoranthene	12.53	202	356322	11.832	ng	94
78) Pyrene	12.76	202	315309	10.078	ng	97
81) Benzo(a)anthracene	13.94	228	160839	6.488	ng	97
83) Chrysene	13.98	228	134339	5.251	ng	97
86) Indeno(1,2,3-cd)pyrene	16.83	276	72343	3.002	ng	# 93
88) Benzo(b)fluoranthene	14.99	252	240675	9.882	ng	# 96
89) Benzo(k)fluoranthene	14.99	252	240675	10.378	ng	98
90) Benzo(a)pyrene	15.34	252	122715	5.544	ng	96
92) Benzo(g,h,i)perylene	17.26	276	66742	3.432	ng	98

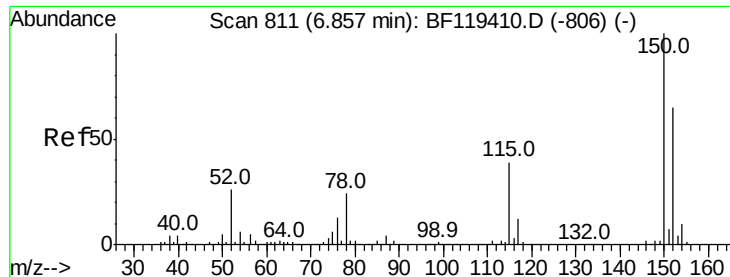
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040620\
Data File : BF119814.D
Acq On : 7 Apr 2020 11:42
Operator : MA/SJ
Sample : L2148-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-055-A

Quant Time: Apr 07 12:12:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 06 11:15:16 2020
Response via : Initial Calibration



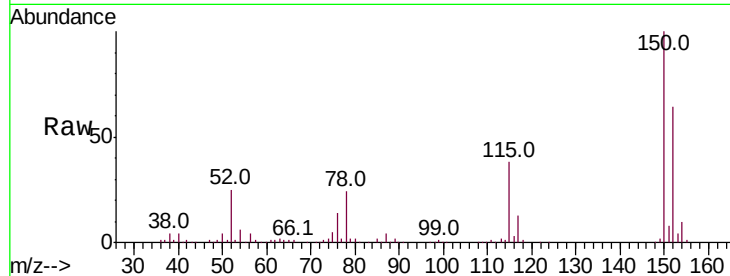


#1

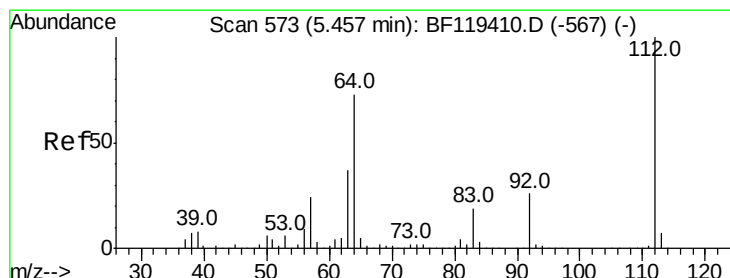
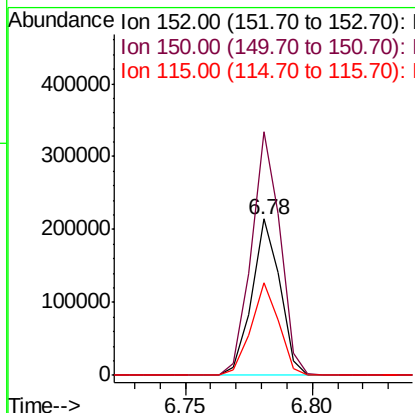
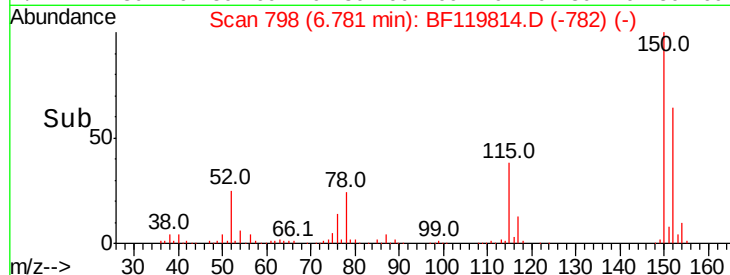
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-055-A

Tot Ion:152 Resp: 166518
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 59.3 49.6 74.4



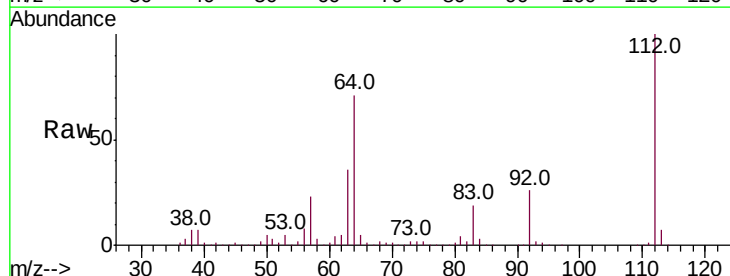
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



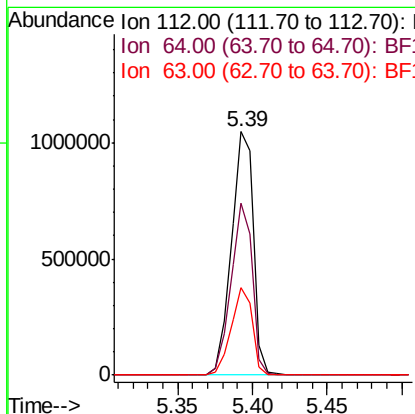
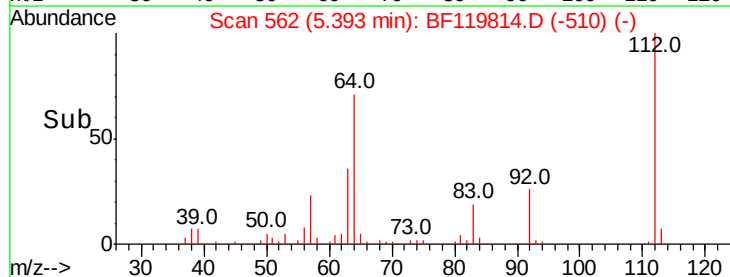
#5

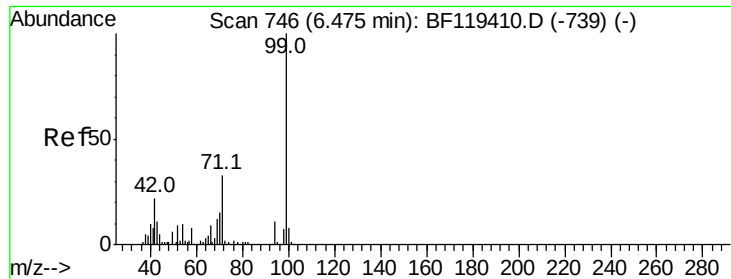
2-Fluorophenol
Concen: 104.040 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

Tgt Ion:112 Resp: 1088291
Ion Ratio Lower Upper
112 100
64 70.6 56.7 85.1
63 36.2 29.5 44.3



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: 101.097 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-A

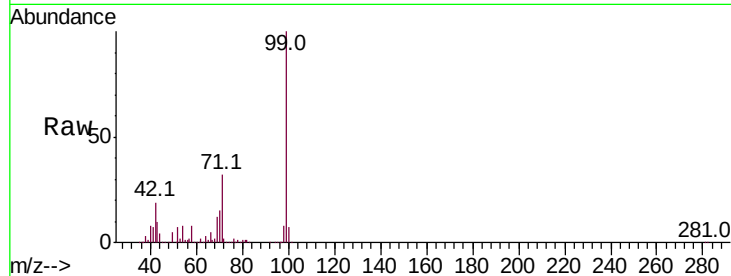
Tot Ion: 99 Resp: 1350887

Ion Ratio Lower Upper

99 100

42 19.3 16.6 24.8

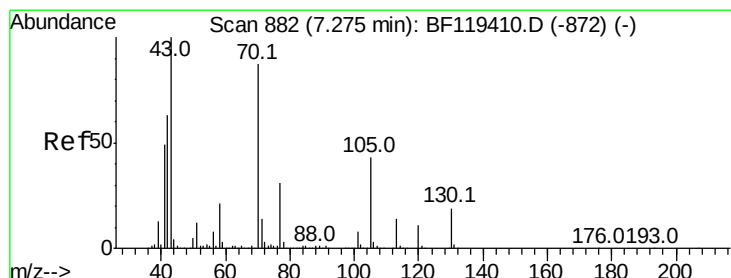
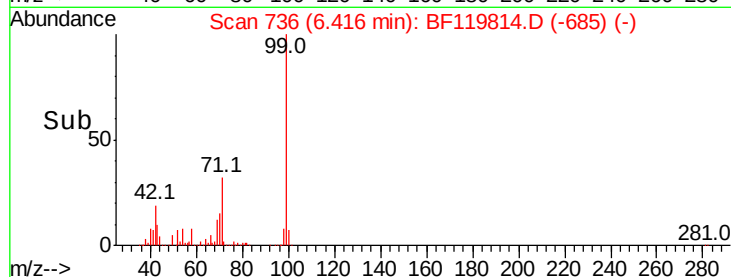
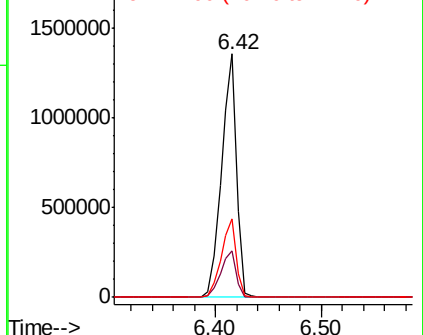
71 32.4 26.4 39.6



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: 13.286 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

Tgt Ion: 70 Resp: 107003

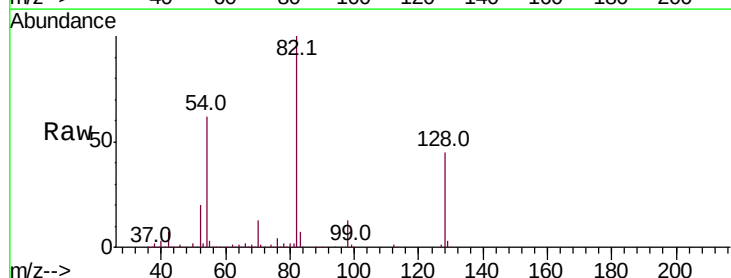
Ion Ratio Lower Upper

70 100

42 52.8 54.5 81.7#

101 0.0 7.6 11.4#

130 1.9 17.6 26.4#

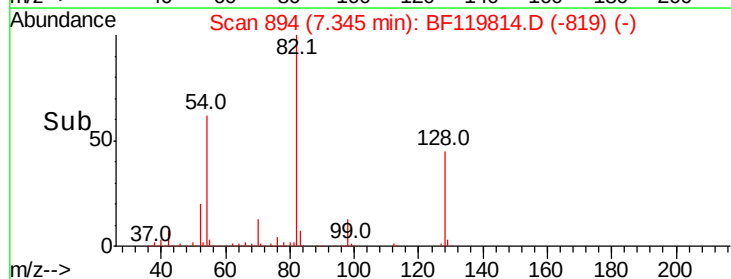
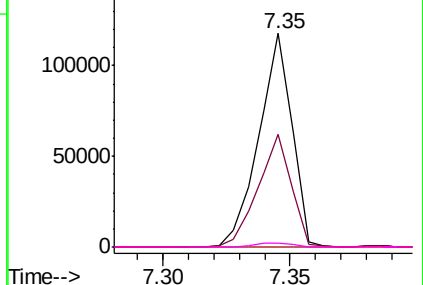


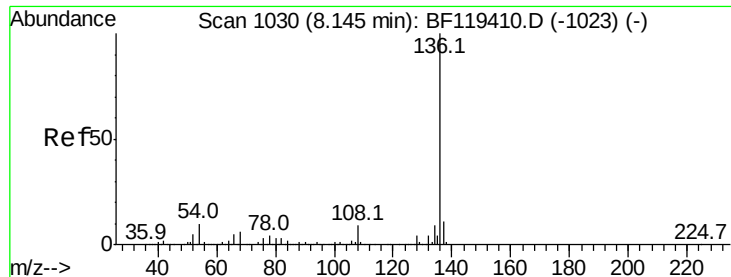
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

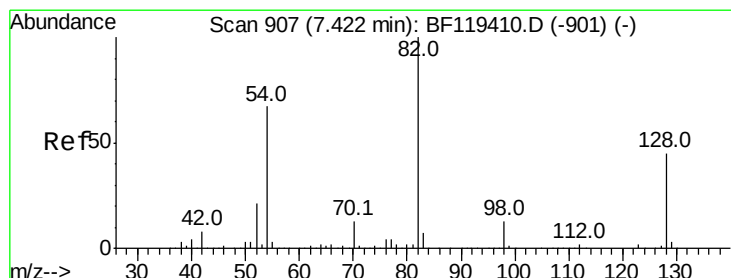
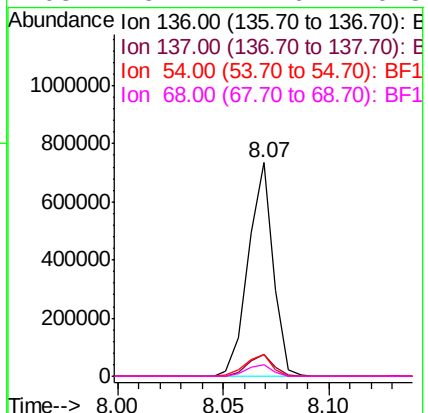
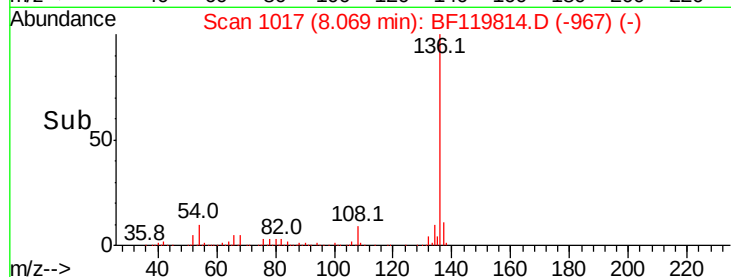
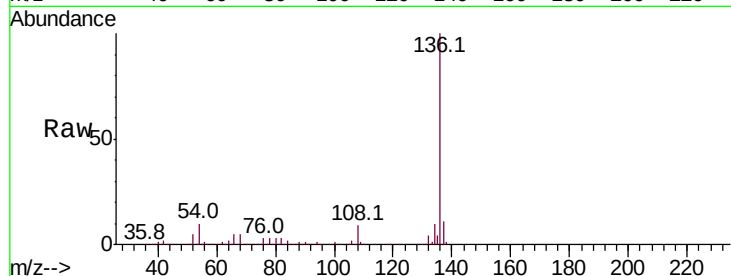




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

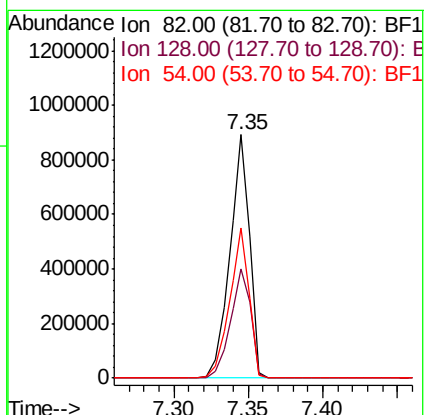
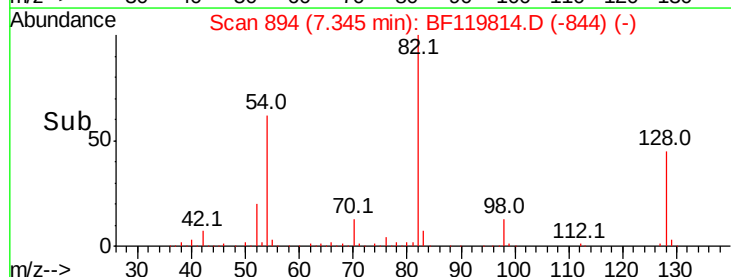
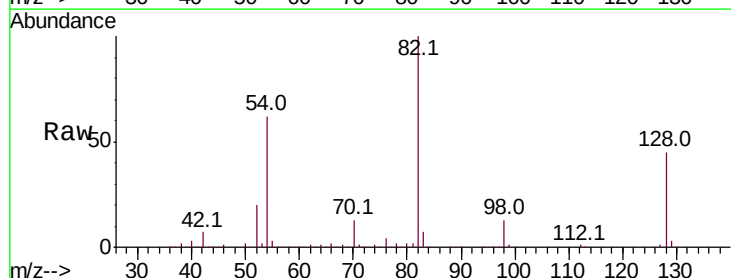
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-055-A

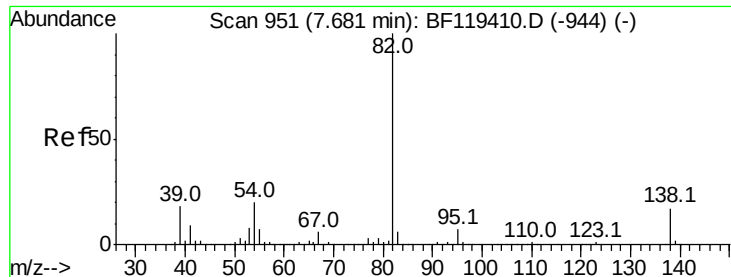
Tot Ion:136	Resp:	601086
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.7 13.1
54	10.1	9.1 13.7
68	5.4	4.6 6.8



#23
Nitrobenzene-d5
Concen: 75.215 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

Tgt Ion: 82	Resp:	831877
Ion	Ratio	Lower Upper
82	100	
128	45.0	36.3 54.5
54	61.8	50.6 75.8





#25

Isophorone

Concen: 37.078 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-A

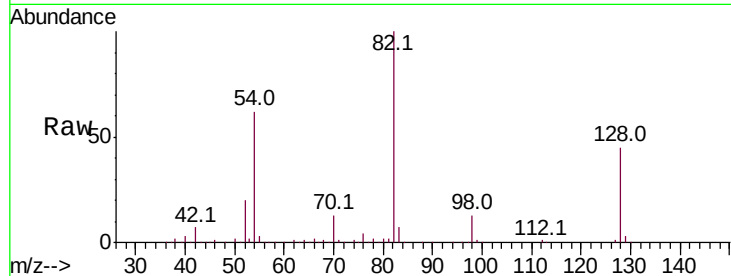
Tot Ion: 82 Resp: 831869

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

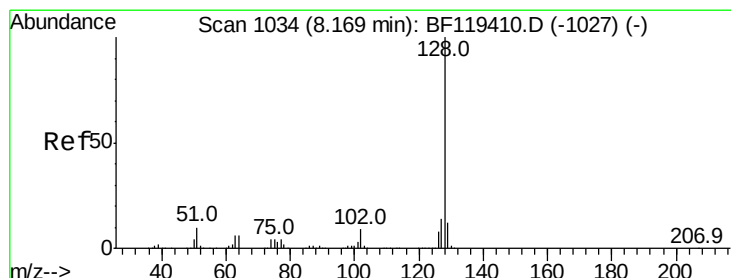
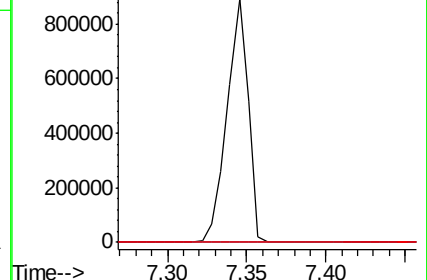
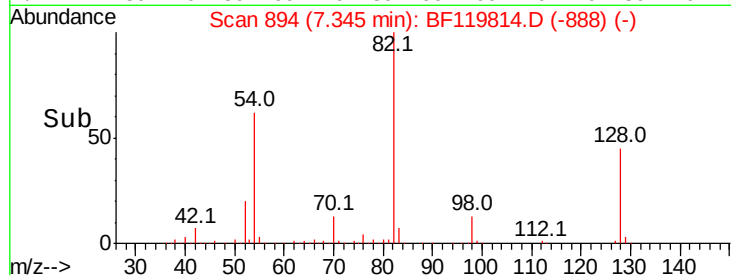
138 0.0 14.6 21.8#



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



#31

Naphthalene

Concen: 2.072 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

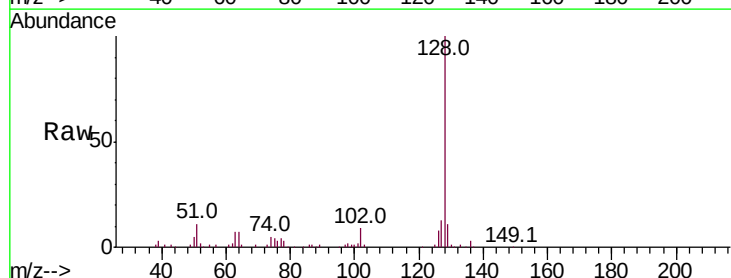
Tgt Ion:128 Resp: 64085

Ion Ratio Lower Upper

128 100

129 10.9 9.5 14.3

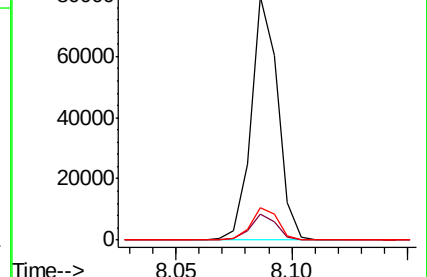
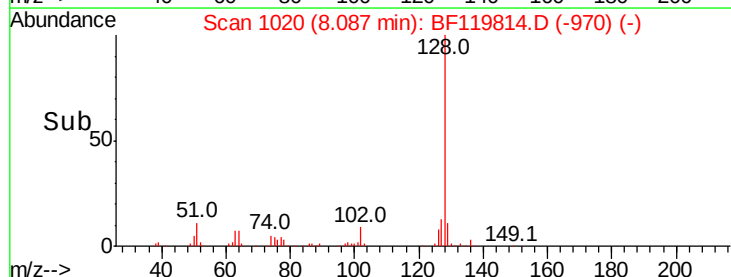
127 13.4 11.3 16.9

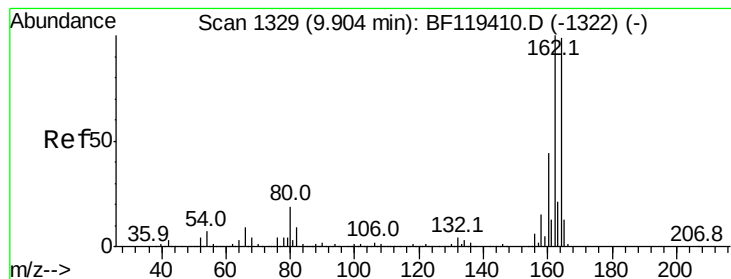


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-A

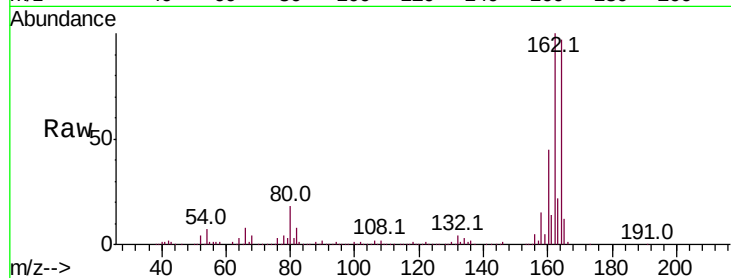
Tot Ion:164 Resp: 292414

Ion Ratio Lower Upper

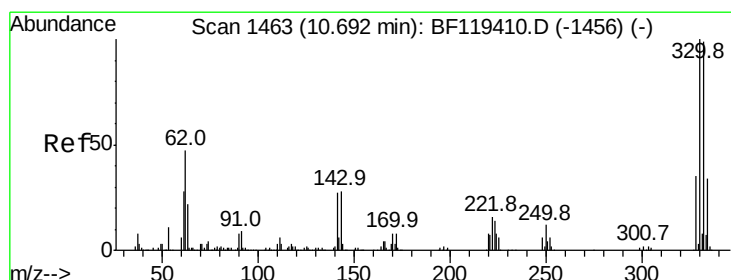
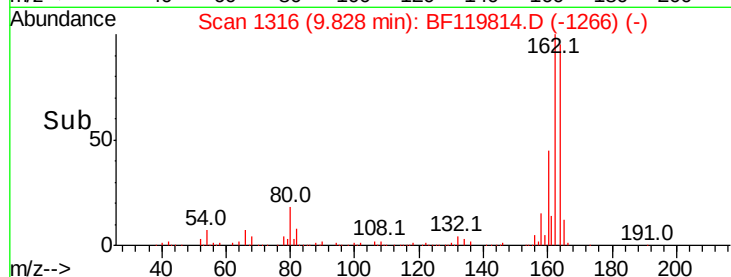
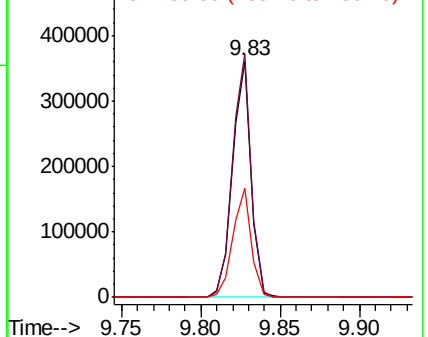
164 100

162 103.0 80.6 121.0

160 46.0 35.7 53.5



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: 114.570 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

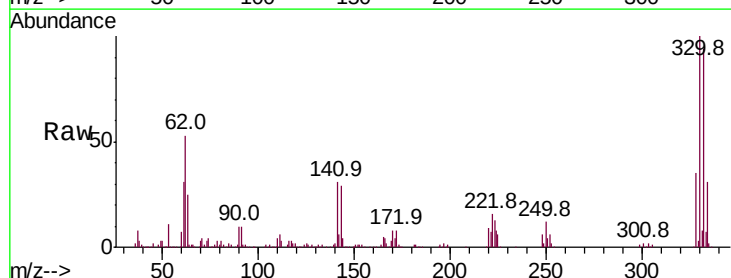
Tgt Ion:330 Resp: 345627

Ion Ratio Lower Upper

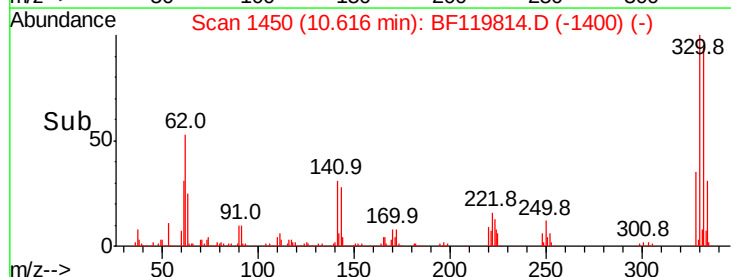
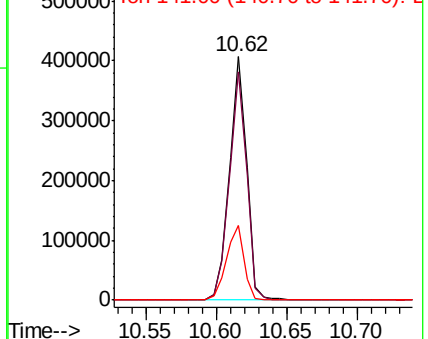
330 100

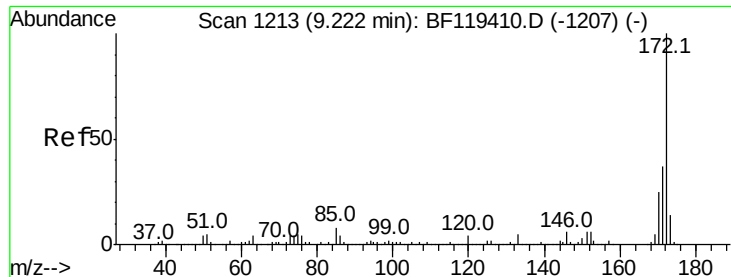
332 94.7 75.7 113.5

141 31.8 25.4 38.0



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



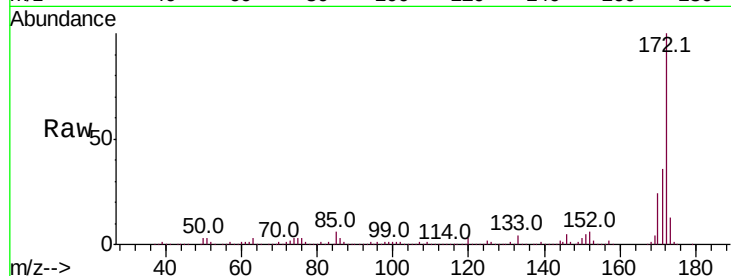


#45
2-Fluorobiphenyl
Concen: 72.318 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

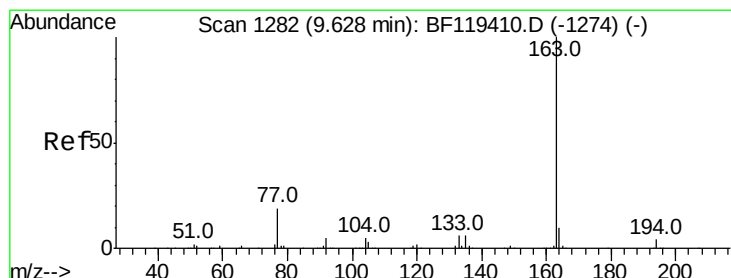
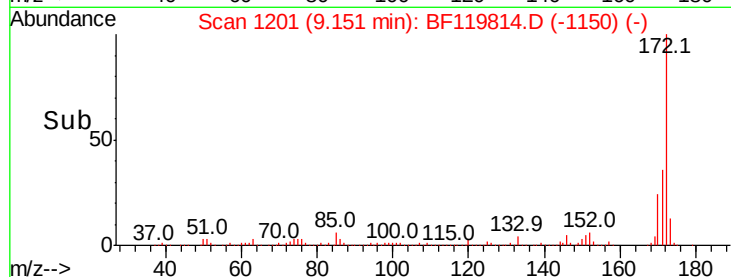
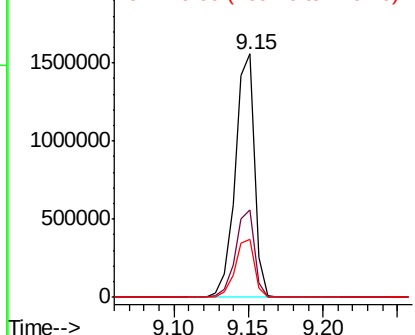
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-055-A

Tot Ion:172 Resp: 1427412

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.9	20.2	30.2



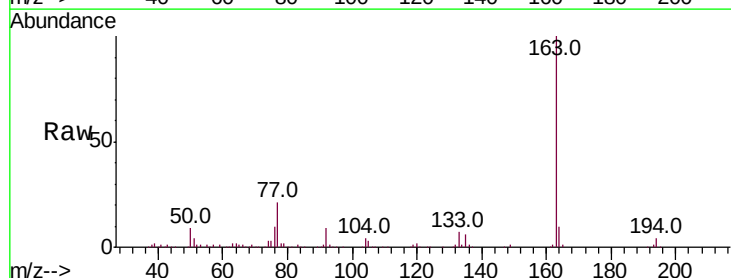
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



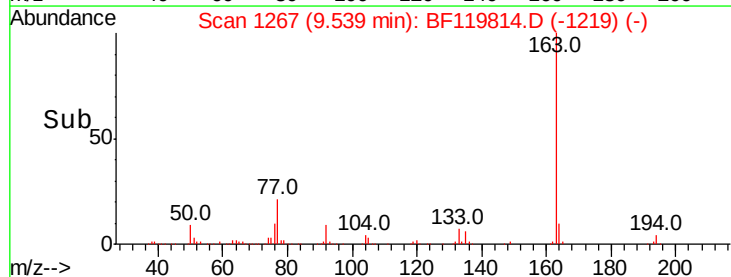
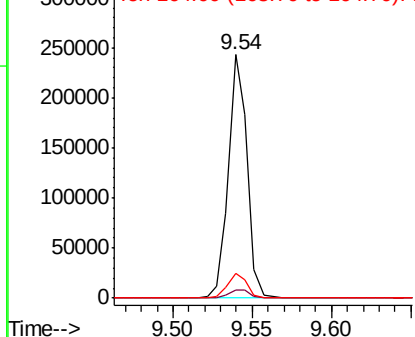
#50
Dimethylphthalate
Concen: 9.527 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

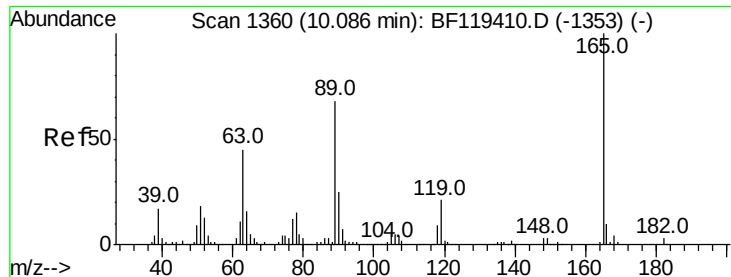
Tgt Ion:163 Resp: 197882

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
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

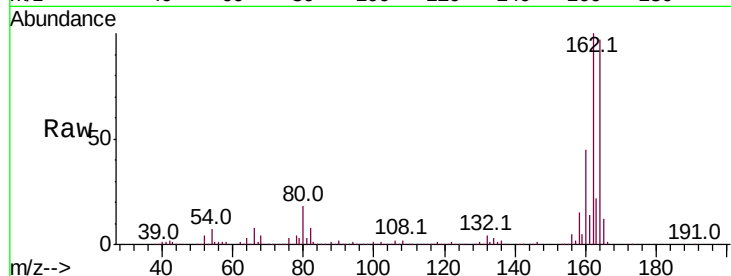




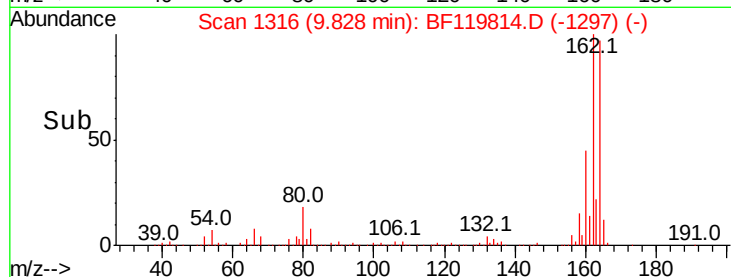
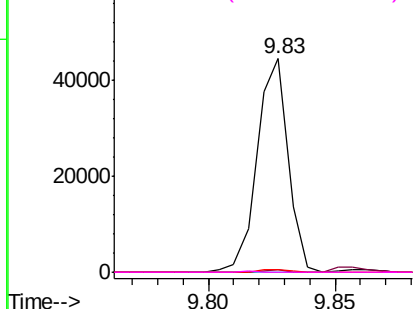
#57
 2,4-Dinitrotoluene
 Concen: 6.834 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF119814.D
 Acq: 7 Apr 2020 11:42

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-055-A

Tot Ion:165 Resp: 38327
 Ion Ratio Lower Upper
 165 100
 63 1.4 42.6 64.0#
 89 0.9 61.0 91.4#
 182 0.0 2.2 3.2#

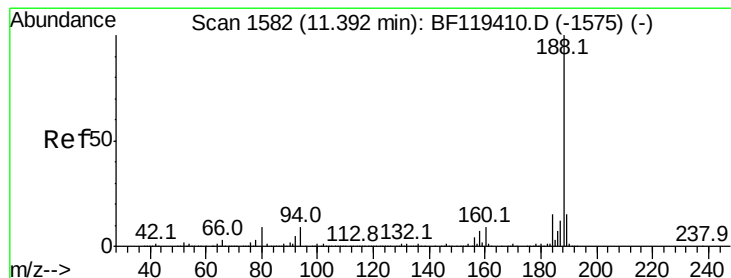


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

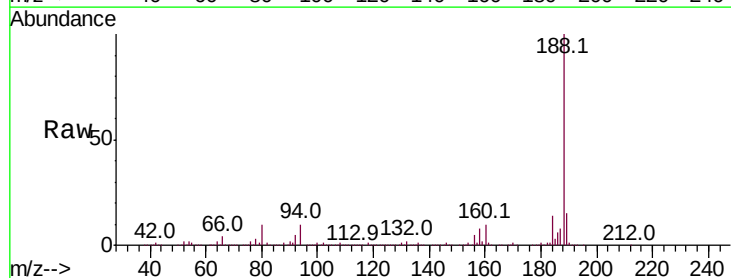
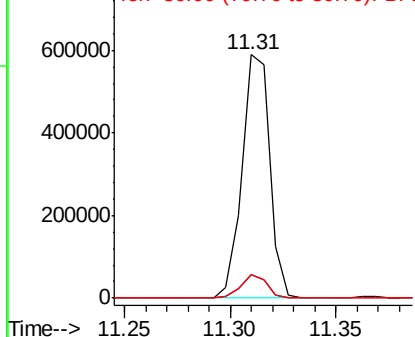


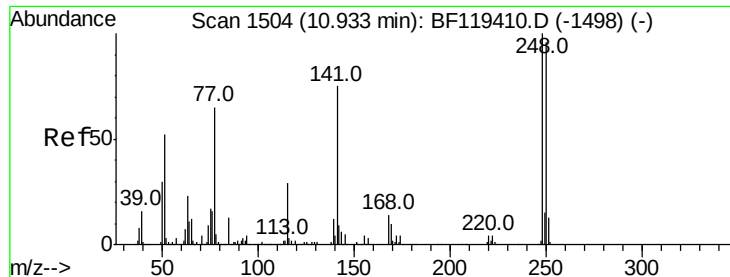
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF119814.D
 Acq: 7 Apr 2020 11:42

Tgt Ion:188 Resp: 536671
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.5 11.3
 80 9.7 9.0 13.4



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

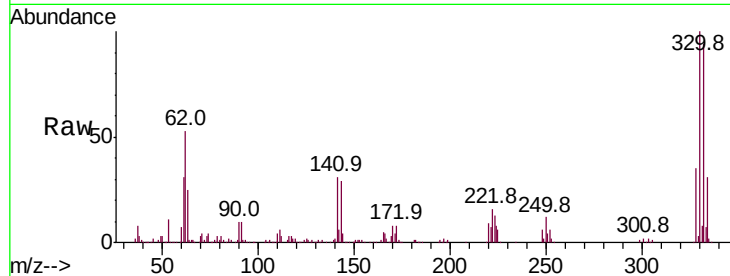




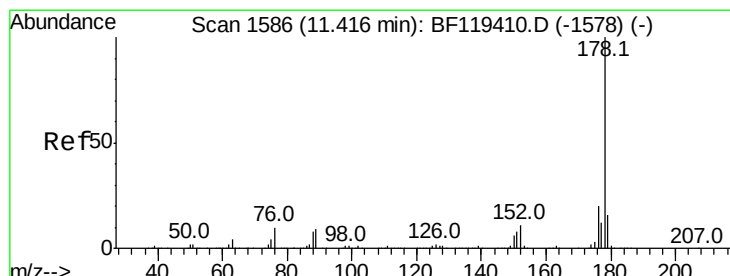
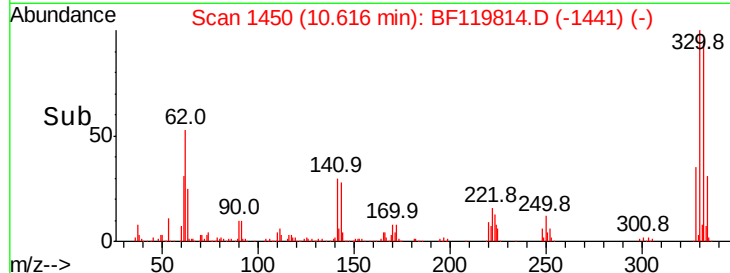
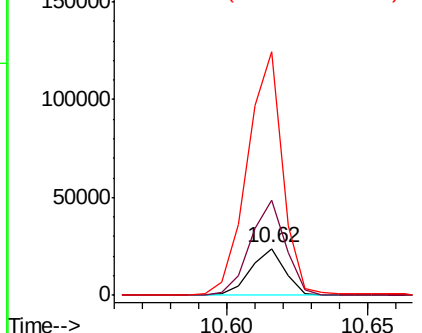
#67
 4-Bromophenyl-phenylether
 Concen: 3.309 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF119814.D
 Acq: 7 Apr 2020 11:42

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-055-A

Tot	Ion:248	Resp:	20224
Ion	Ratio	Lower	Upper
248	100		
250	204.3	77.3	115.9#
141	523.1	58.6	87.8#

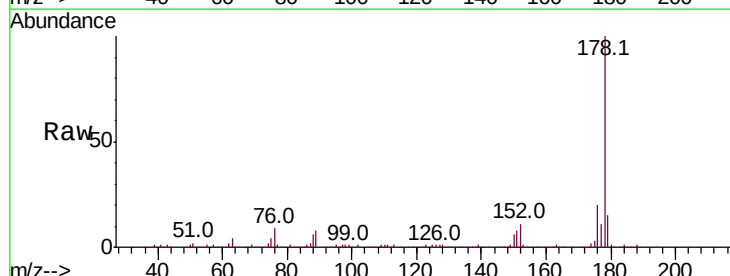


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

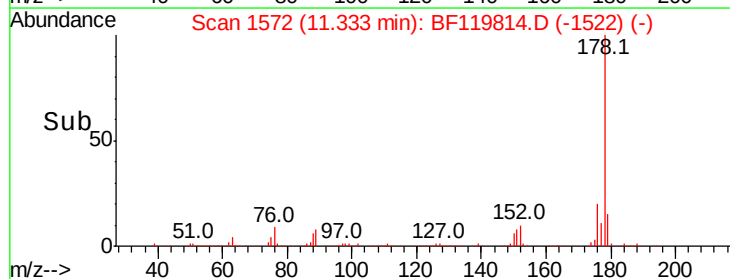
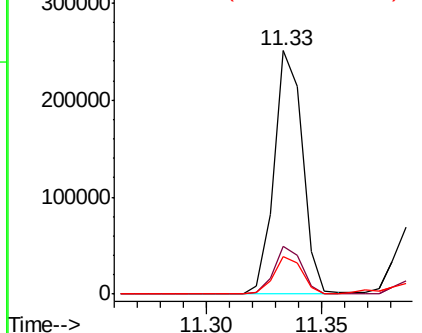


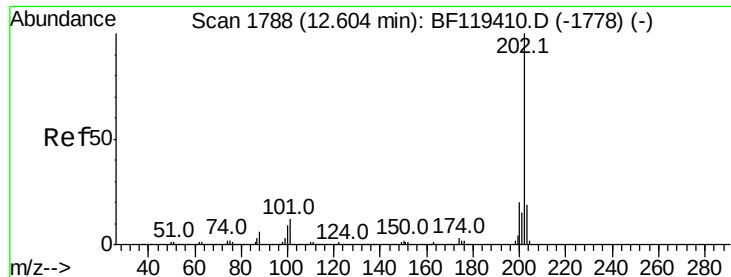
#71
 Phenanthrene
 Concen: 7.686 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF119814.D
 Acq: 7 Apr 2020 11:42

Tgt	Ion:178	Resp:	213888
Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.4	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: 11.832 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-A

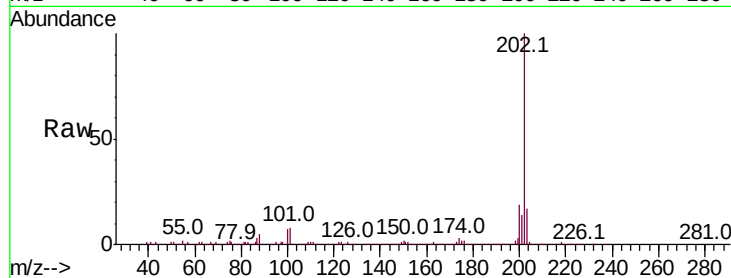
Tot Ion:202 Resp: 356322

Ion Ratio Lower Upper

202 100

101 8.5 0.0 32.2

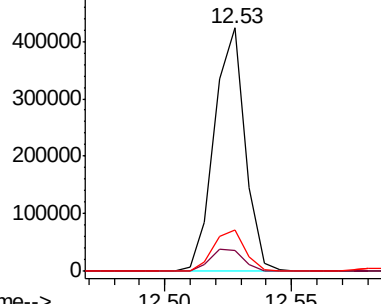
203 16.8 0.0 38.8



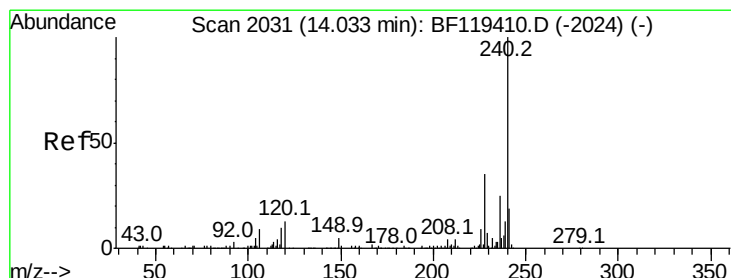
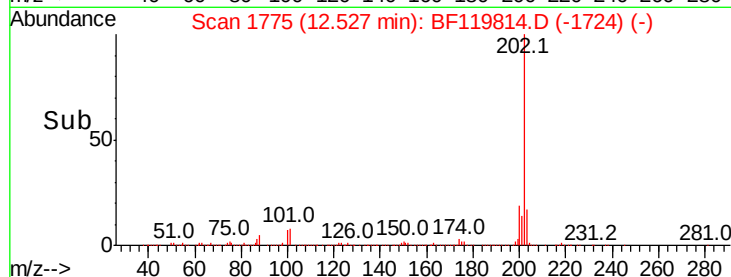
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

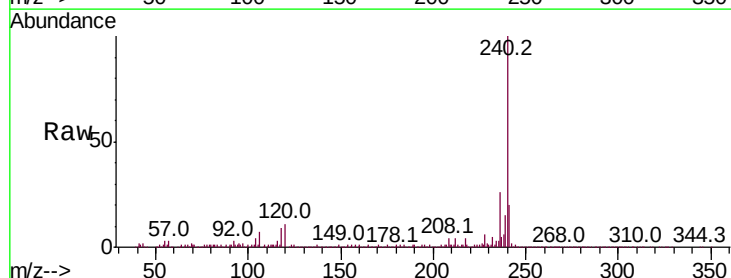
Tgt Ion:240 Resp: 381230

Ion Ratio Lower Upper

240 100

120 10.8 10.6 15.8

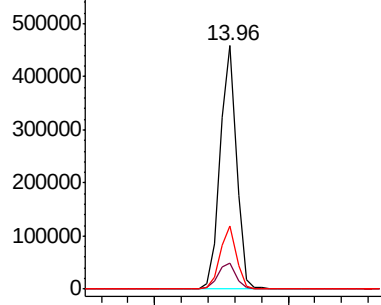
236 25.9 20.2 30.2



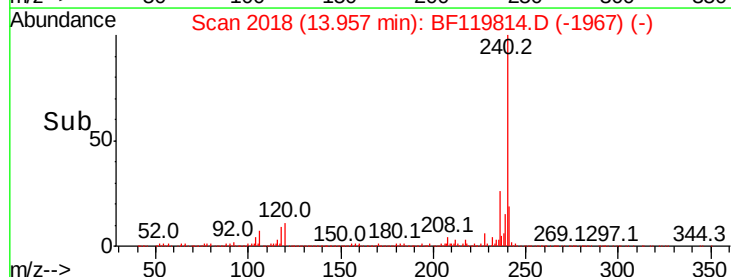
Abundance Ion 240.00 (239.70 to 240.70): E

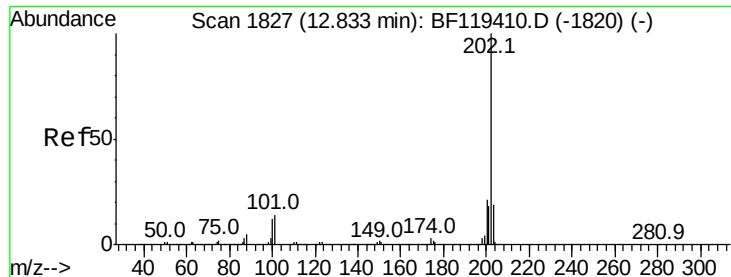
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Pvrene

Concen: 10.078 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-A

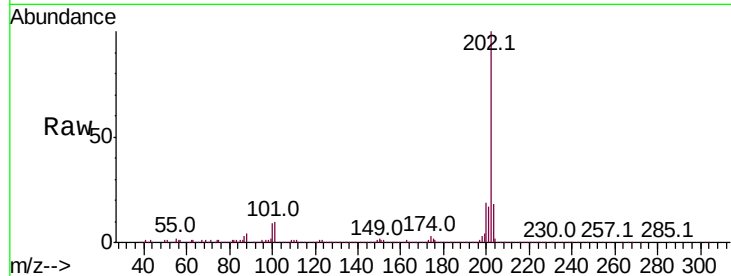
Tot Ion:202 Resp: 315309

Ion Ratio Lower Upper

202 100

200 19.5 16.8 25.2

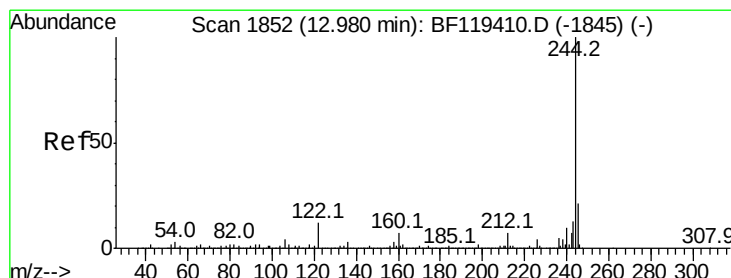
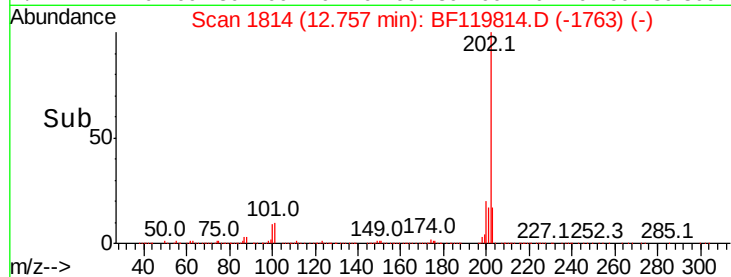
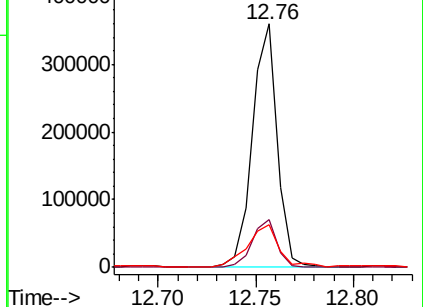
203 17.7 15.1 22.7



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: 75.335 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF119814.D

Acq: 7 Apr 2020 11:42

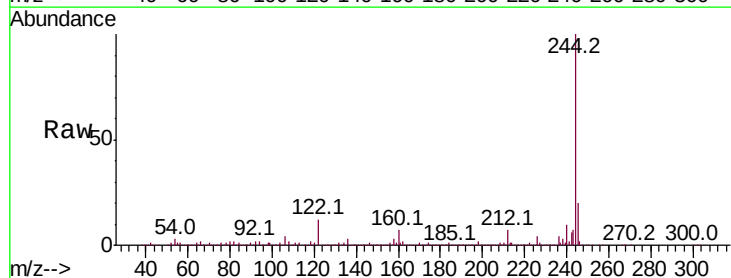
Tgt Ion:244 Resp: 1465887

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

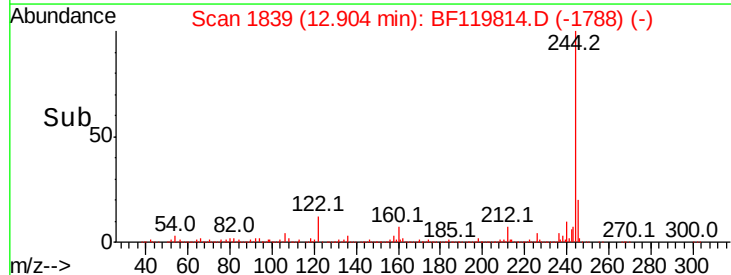
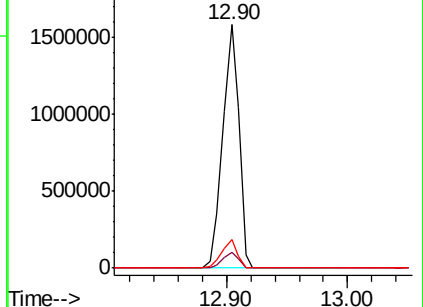
122 11.8 10.3 15.5

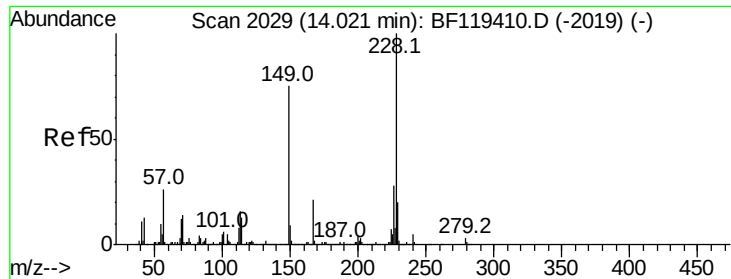


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

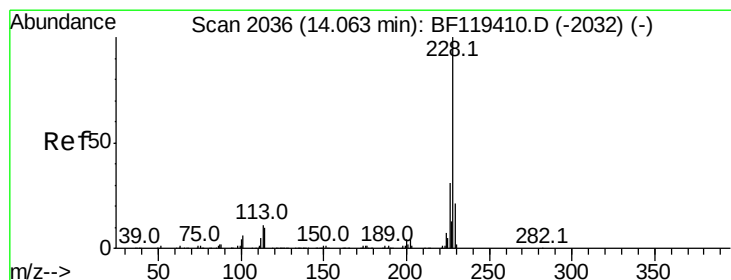
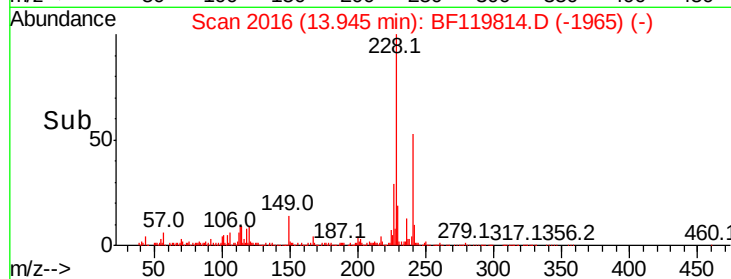
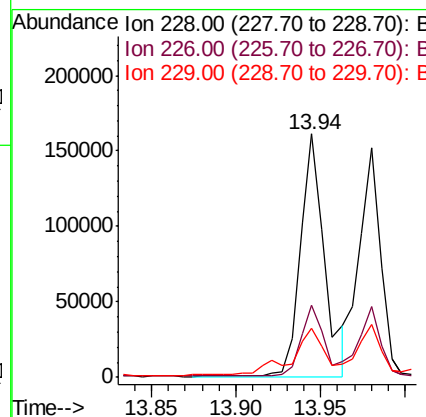
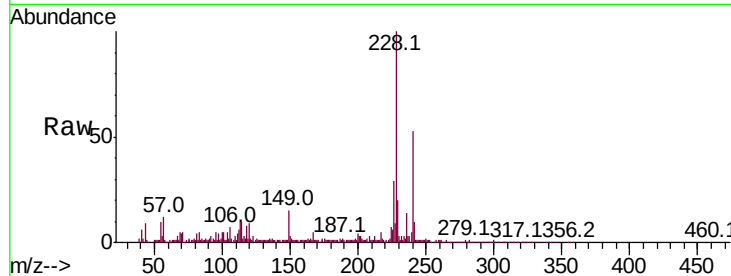




#81
Benzo(a)anthracene
Concen: 6.488 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

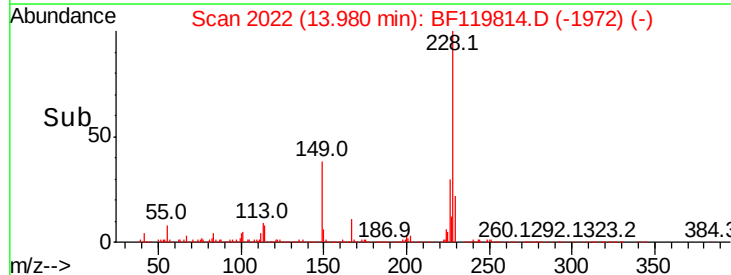
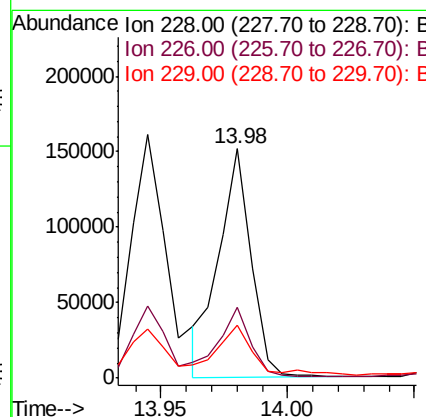
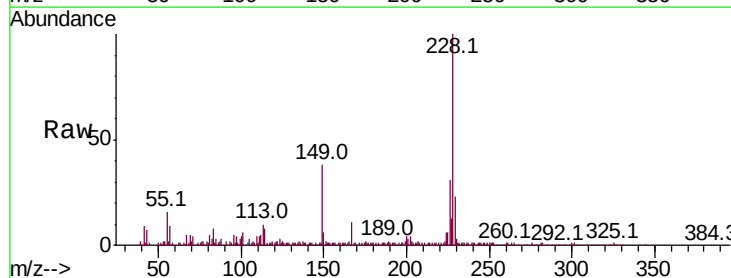
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-055-A

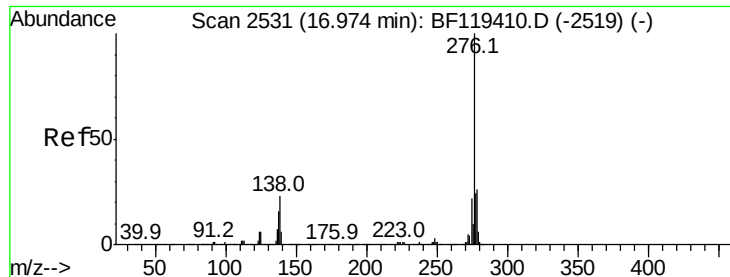
Tot Ion:228 Resp: 160839
Ion Ratio Lower Upper
228 100
226 29.4 21.8 32.8
229 20.0 16.2 24.4



#83
Chrysene
Concen: 5.251 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

Tgt Ion:228 Resp: 134339
Ion Ratio Lower Upper
228 100
226 30.9 25.4 38.0
229 22.8 16.6 24.8

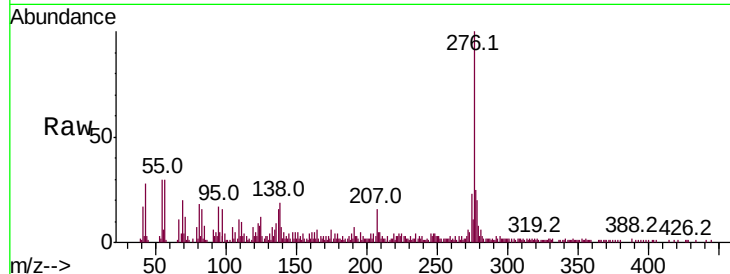




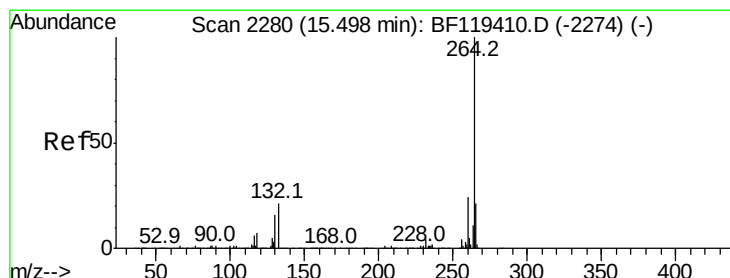
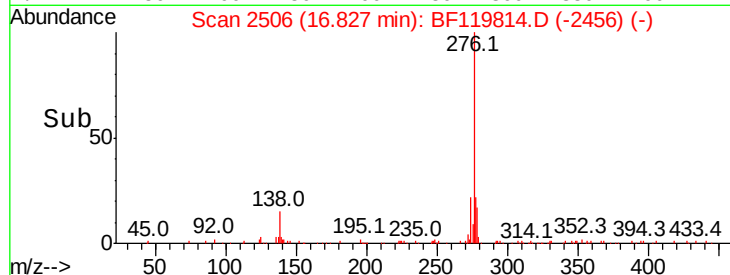
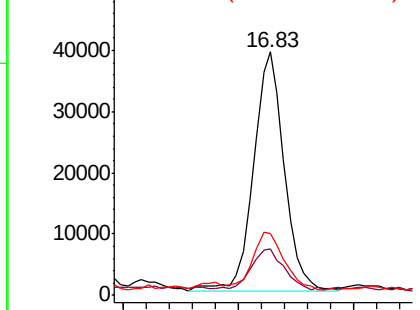
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.002 ng
 RT: 16.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: BF119814.D
 Acq: 7 Apr 2020 11:42

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-055-A

Tot Ion:276 Resp: 72343
 Ion Ratio Lower Upper
 276 100
 138 18.7 19.6 29.4#
 277 24.3 20.0 30.0

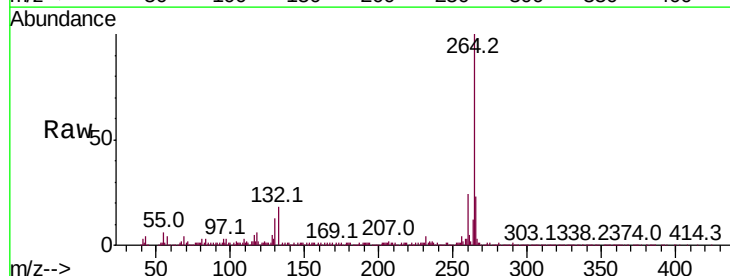


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

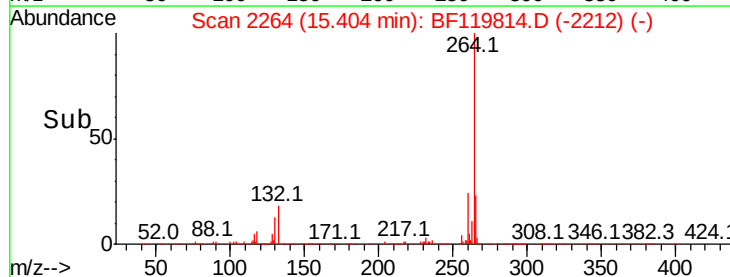
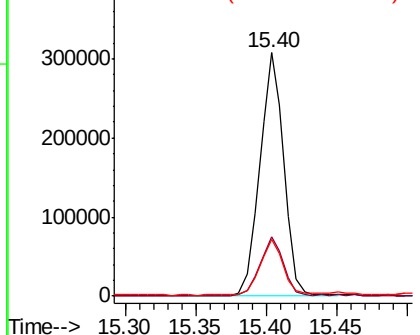


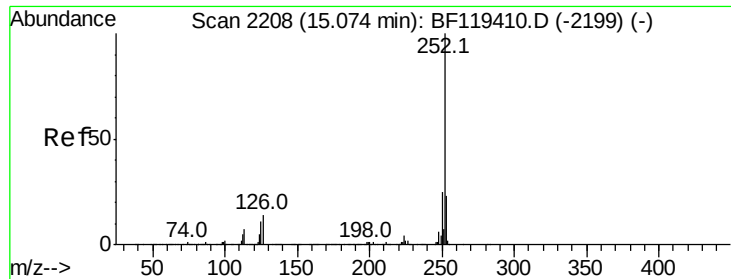
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: BF119814.D
 Acq: 7 Apr 2020 11:42

Tgt Ion:264 Resp: 364590
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.7 28.1
 265 23.2 17.7 26.5



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

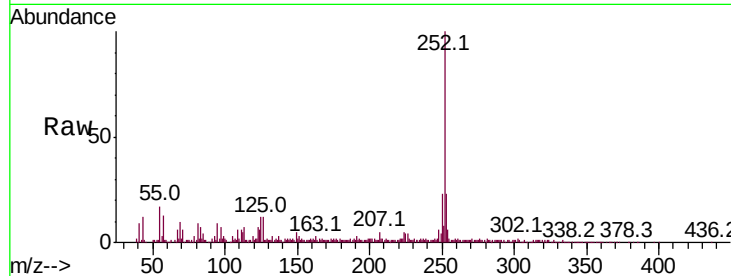




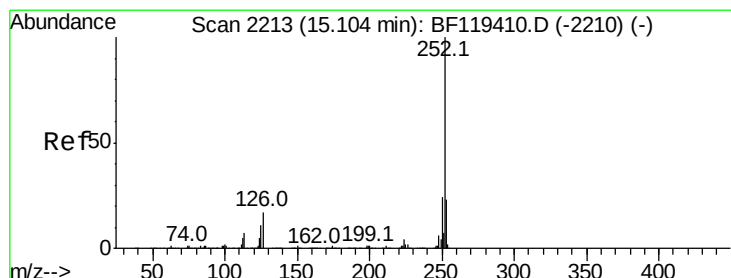
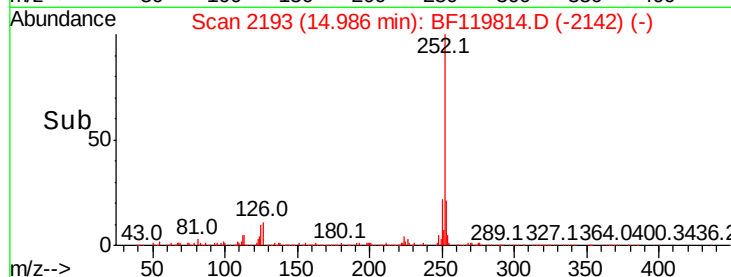
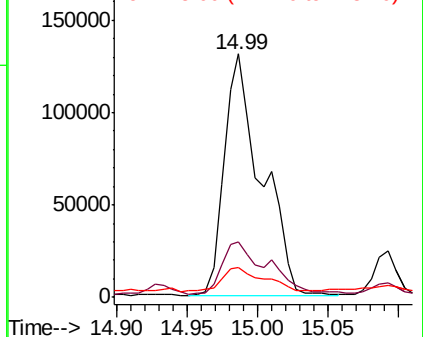
#88
Benzo(b)fluoranthene
Concen: 9.882 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-055-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	12.5	7.9	11.9#

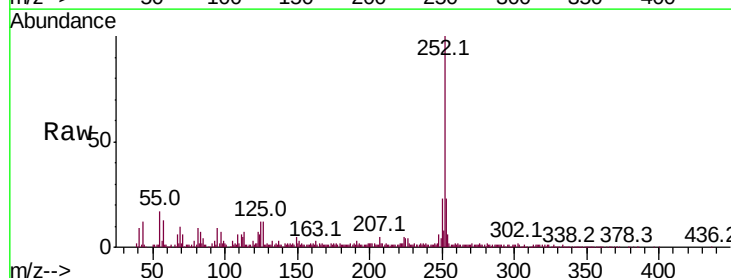


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

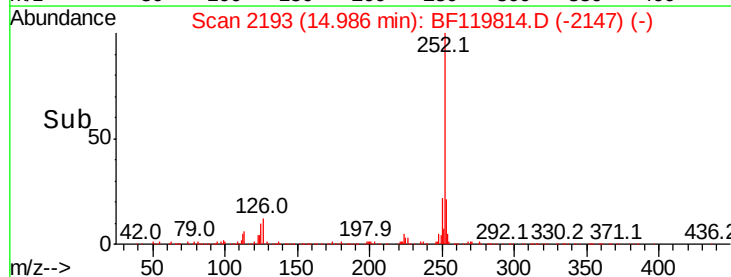
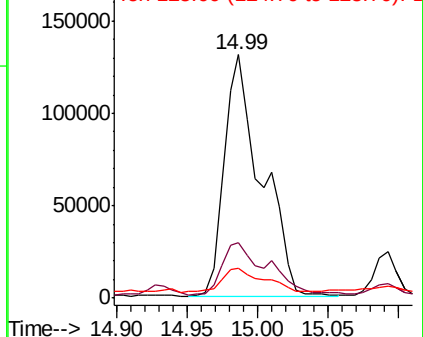


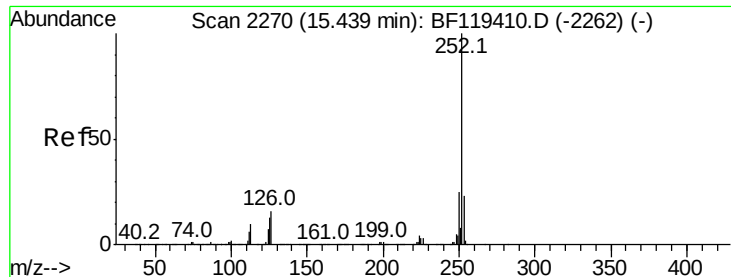
#89
Benzo(k)fluoranthene
Concen: 10.378 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.5	8.4	12.6



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

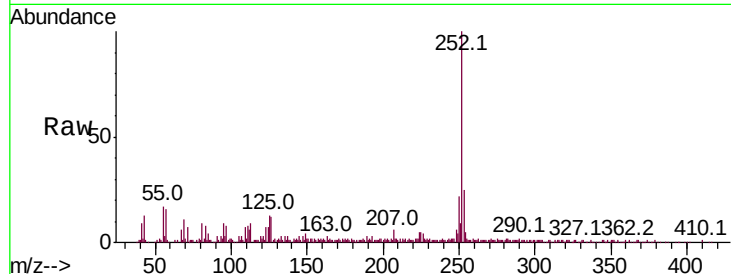




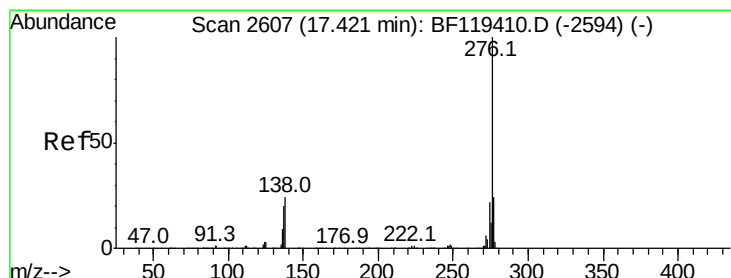
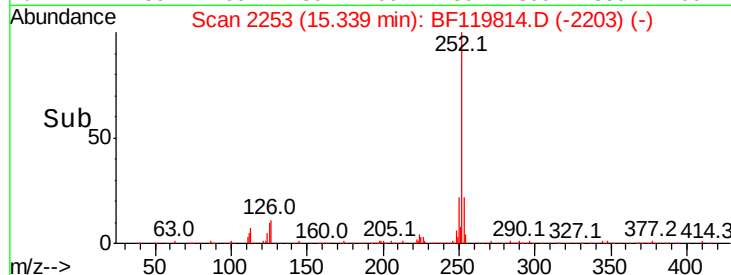
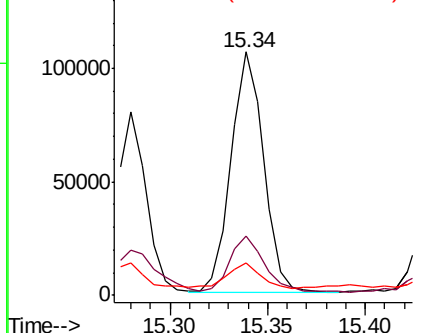
#90
Benzo(a)pyrene
Concen: 5.544 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-055-A

Tot Ion:252	Resp:	122715
Ion Ratio	Lower	Upper
252	100	
253	24.5	18.2 27.2
125	13.2	9.4 14.2

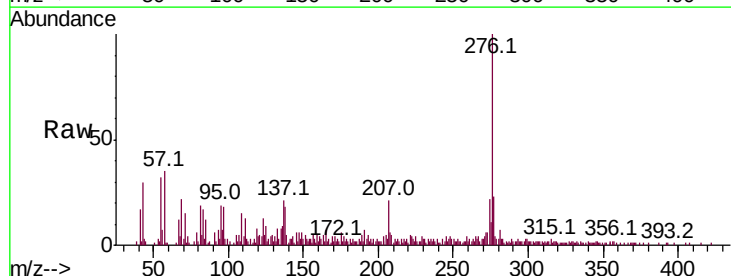


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.432 ng
RT: 17.26 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF119814.D
Acq: 7 Apr 2020 11:42

Tgt Ion:276	Resp:	66742
Ion Ratio	Lower	Upper
276	100	
277	23.5	18.4 27.6
138	18.2	15.4 23.0



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

