

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040620\
 Data File : BF119813.D
 Acq On : 7 Apr 2020 11:15
 Operator : MA/SJ
 Sample : L2147-03
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

Quant Time: Apr 07 11:44:40 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	175564	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	640702	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	305856	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	549311	20.00	ng	0.00
76) Chrysene-d12	13.95	240	379222	20.00	ng	0.00
87) Perylene-d12	15.40	264	382552	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1334575	121.01	ng	0.00
7) Phenol-d6	6.42	99	1721651	122.21	ng	0.00
23) Nitrobenzene-d5	7.35	82	1052643	89.29	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	425126	134.73	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1792250	86.81	ng	0.00
79) Terphenyl-d14	12.90	244	1767479	91.32	ng	0.00

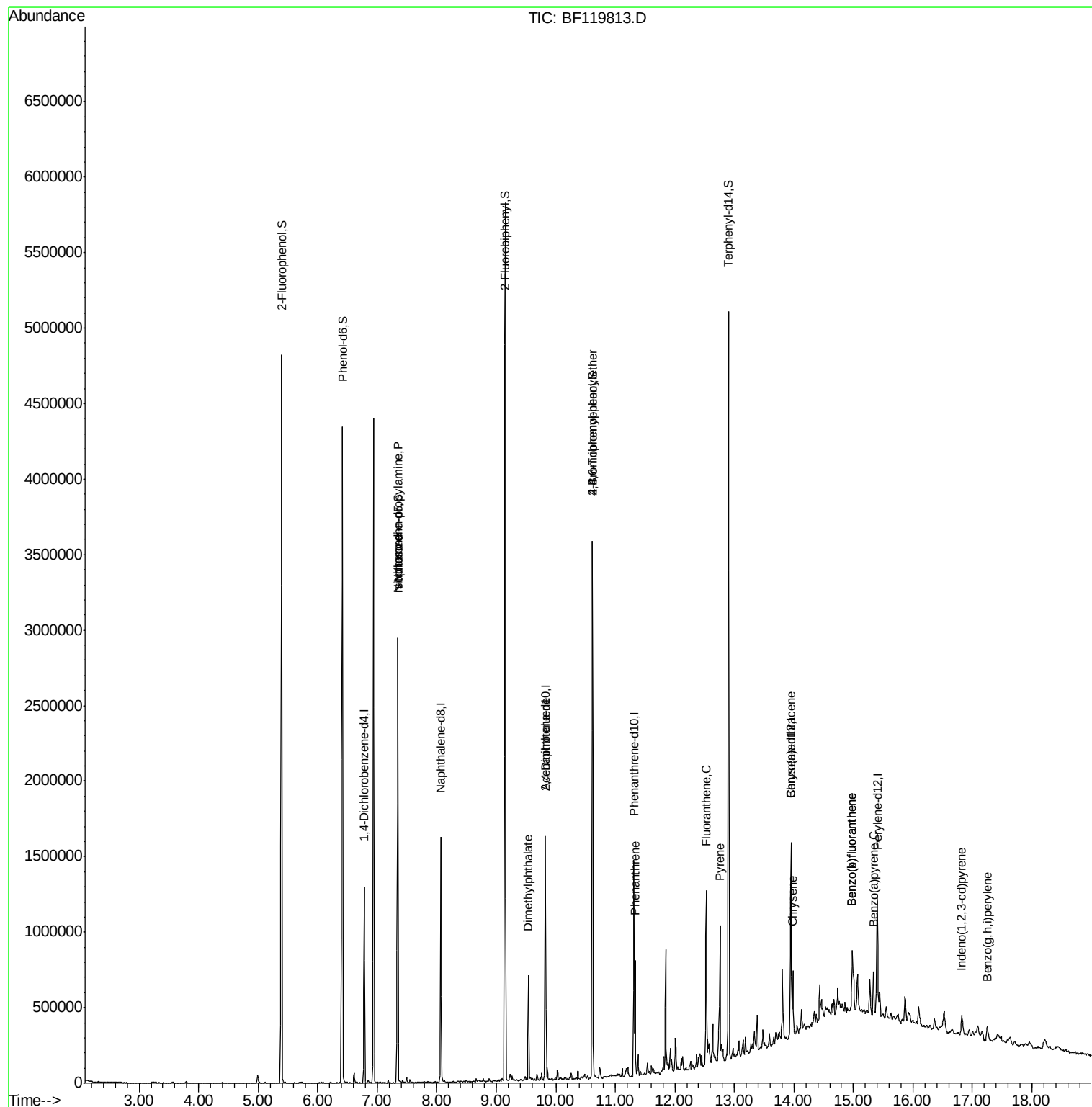
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	136924	16.125	ng	# 75
25) Isophorone	7.35	82	1050250	43.917	ng	# 65
50) Dimethylphthalate	9.54	163	251050	11.556	ng	99
57) 2,4-Dinitrotoluene	9.83	165	41377	7.054	ng	# 20
67) 4-Bromophenyl-phenylether	10.62	248	25477	4.072	ng	# 1
71) Phenanthrene	11.33	178	264689	9.293	ng	96
75) Fluoranthene	12.53	202	428691	13.907	ng	97
78) Pyrene	12.76	202	396401	12.737	ng	97
81) Benzo(a)anthracene	13.94	228	177588	7.201	ng	97
83) Chrysene	13.98	228	173925	6.834	ng	97
86) Indeno(1,2,3-cd)pyrene	16.82	276	88327	3.685	ng	95
88) Benzo(b)fluoranthene	14.98	252	295156	11.550	ng	94
89) Benzo(k)fluoranthene	14.98	252	295156	12.130	ng	95
90) Benzo(a)pyrene	15.34	252	154086	6.635	ng	98
92) Benzo(a,h,i)perylene	17.25	276	86206	4.224	ng	99

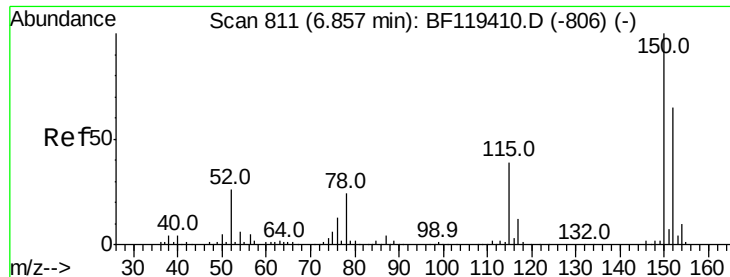
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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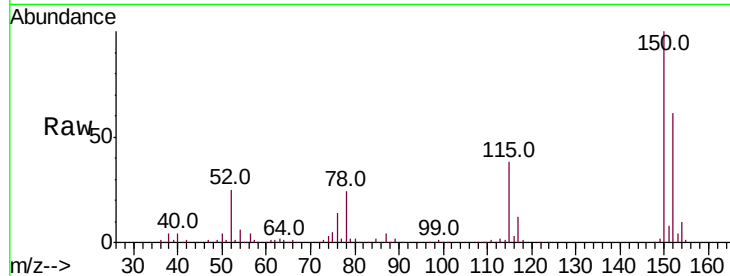


#1

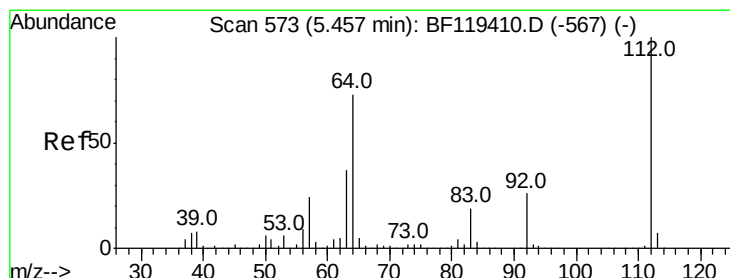
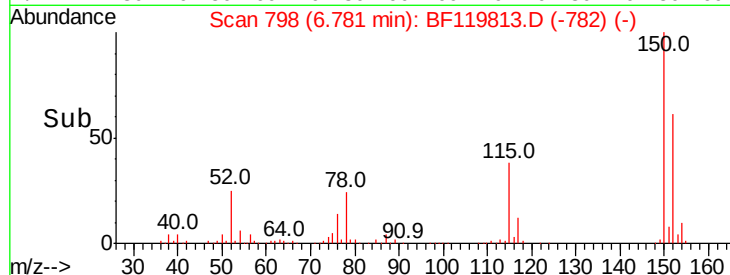
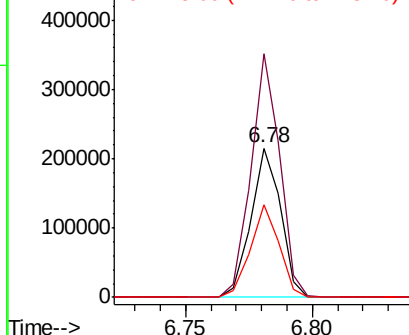
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

Tot Ion:152 Resp: 175564
Ion Ratio Lower Upper
152 100
150 163.3 124.5 186.7
115 62.3 49.6 74.4



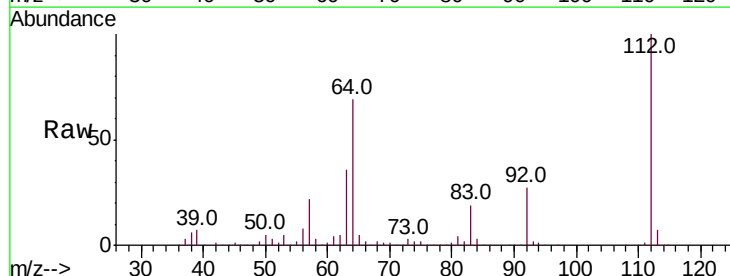
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



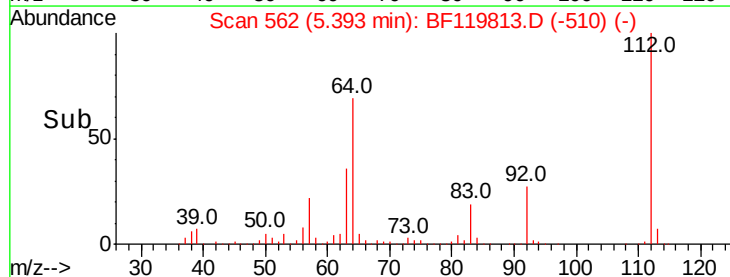
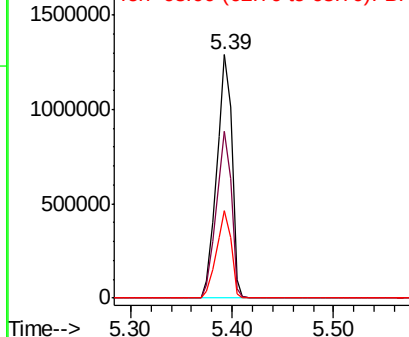
#5

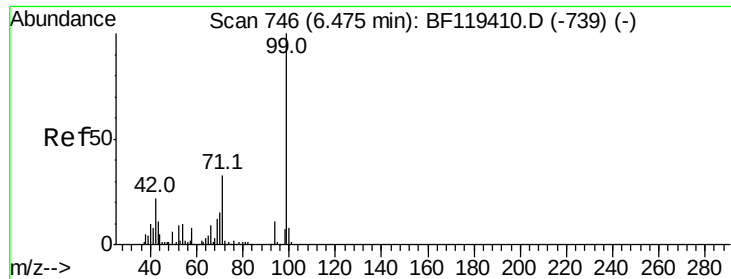
2-Fluorophenol
Concen: 121.011 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion:112 Resp: 1334575
Ion Ratio Lower Upper
112 100
64 68.5 56.7 85.1
63 35.9 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: 122.205 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-B

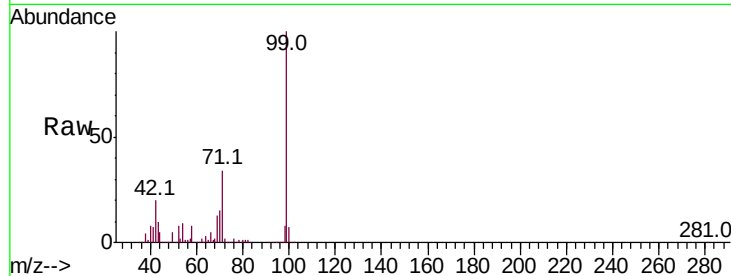
Tot Ion: 99 Resp: 1721651

Ion Ratio Lower Upper

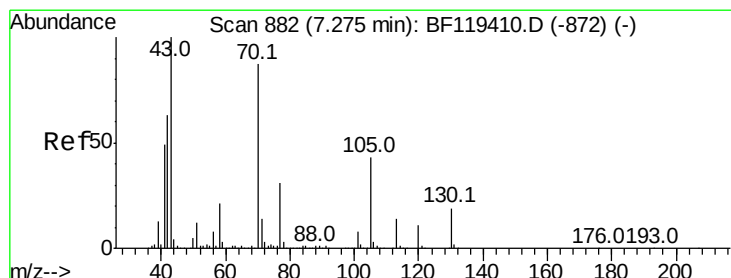
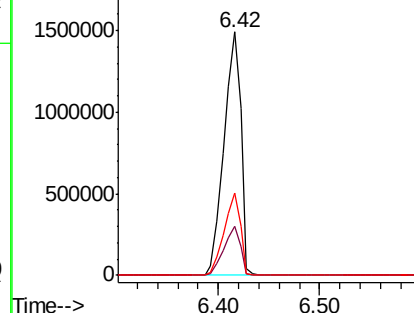
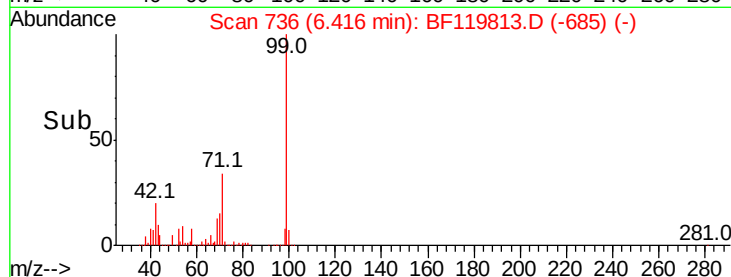
99 100

42 20.3 16.6 24.8

71 33.7 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000 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: 16.125 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Tgt Ion: 70 Resp: 136924

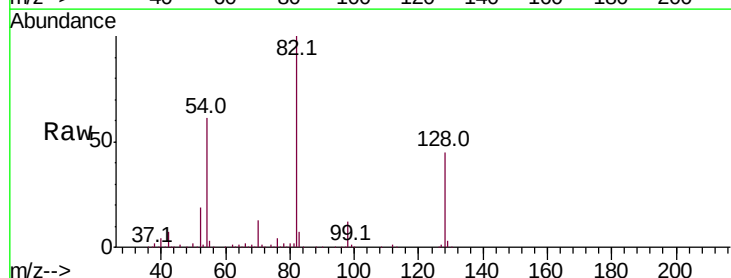
Ion Ratio Lower Upper

70 100

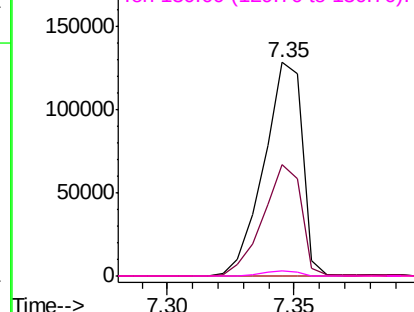
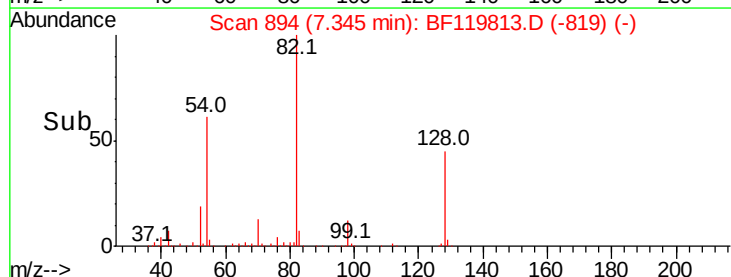
42 51.9 54.5 81.7#

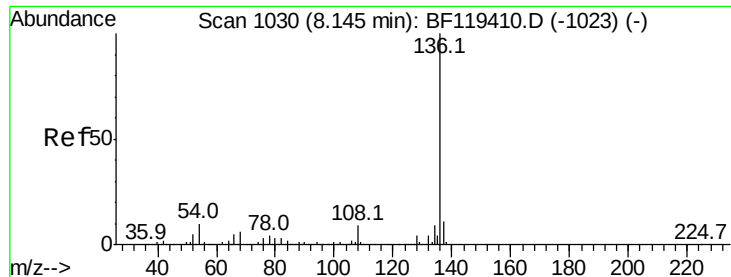
101 0.0 7.6 11.4#

130 2.2 17.6 26.4#



Abundance Ion 70.00 (69.70 to 70.70): BF1
200000 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

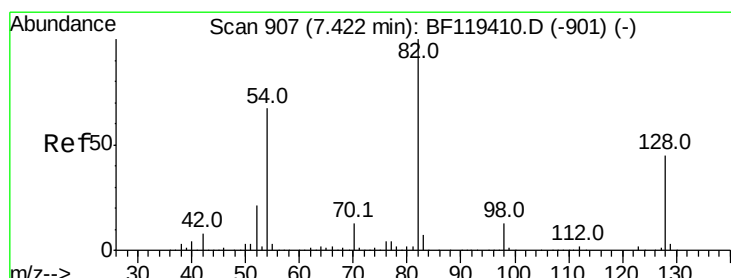
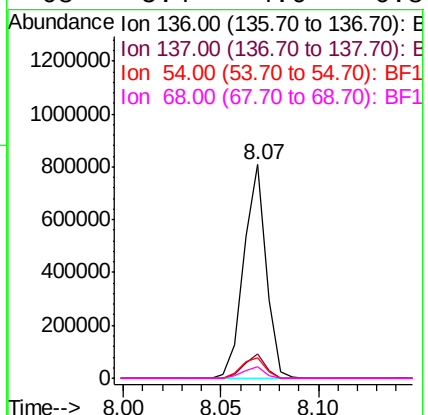
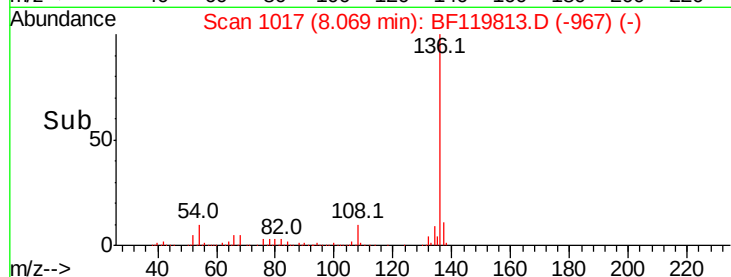
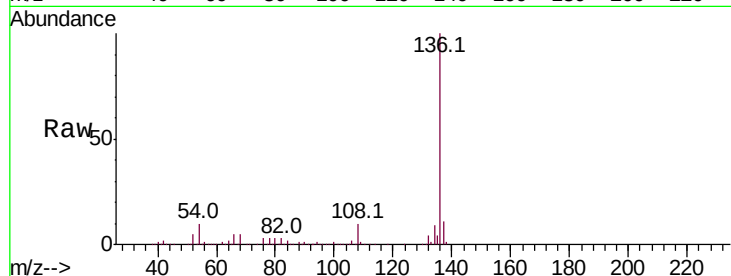




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

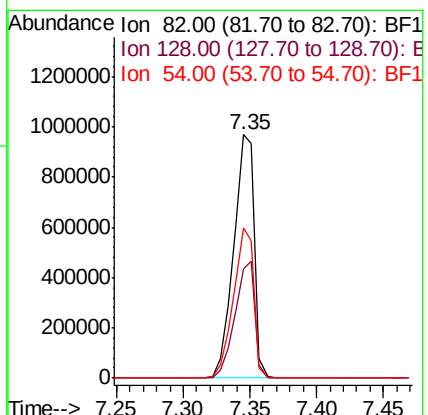
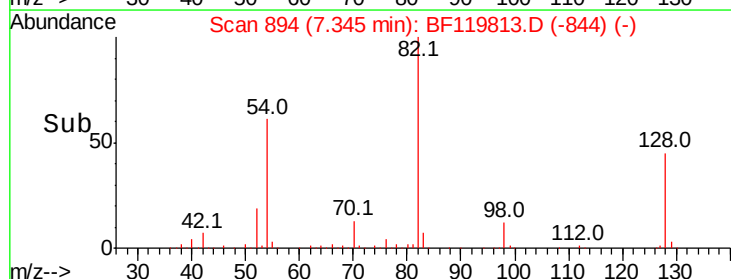
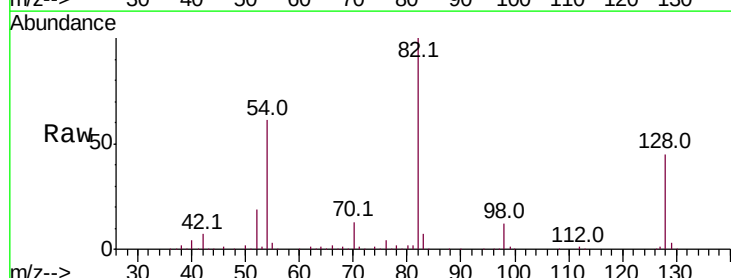
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

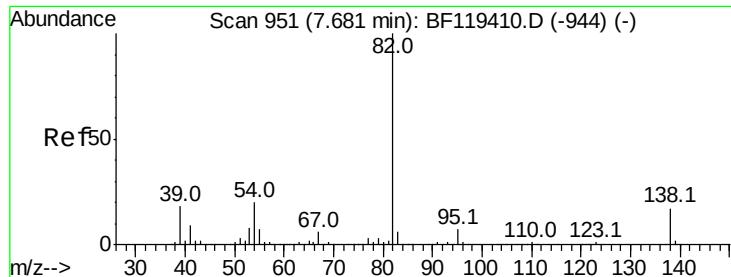
Tot Ion:	136	Resp:	640702
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.8	9.1	13.7
68	5.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 89.291 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion:	82	Resp:	1052643
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.3	54.5
54	61.5	50.6	75.8





#25

Isophorone

Concen: 43.917 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-B

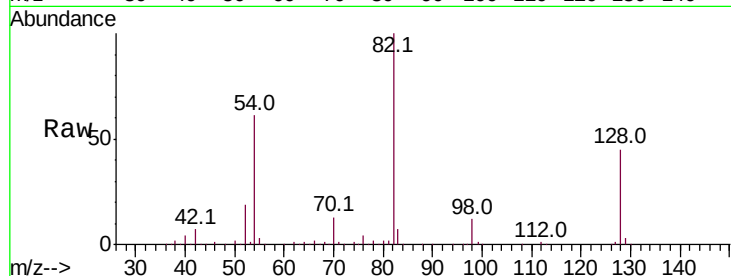
Tot Ion: 82 Resp: 1050250

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

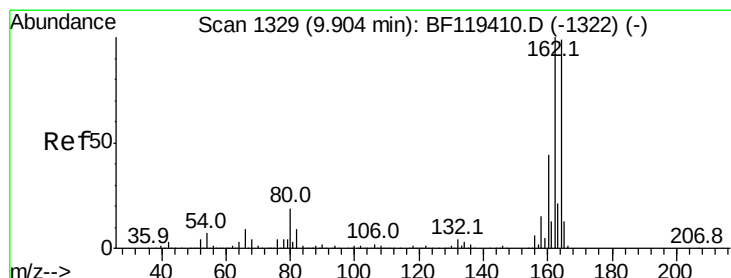
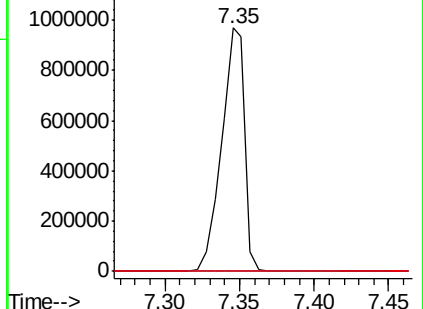
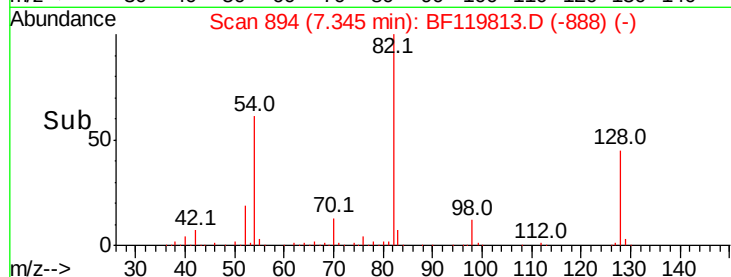
138 0.0 14.6 21.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

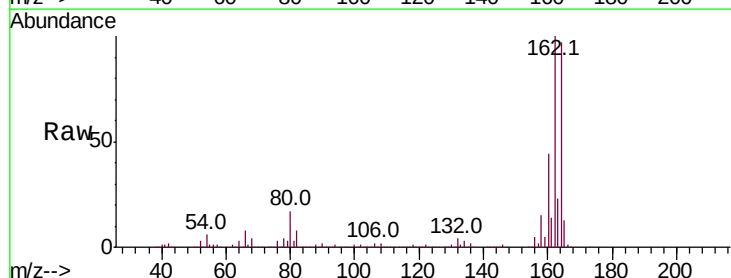
Tgt Ion:164 Resp: 305856

Ion Ratio Lower Upper

164 100

162 103.4 80.6 121.0

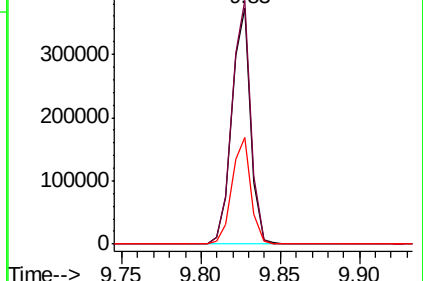
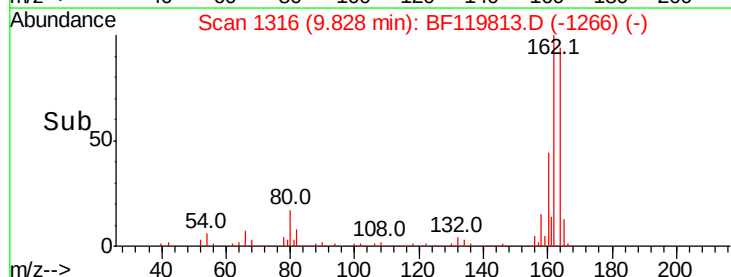
160 45.2 35.7 53.5

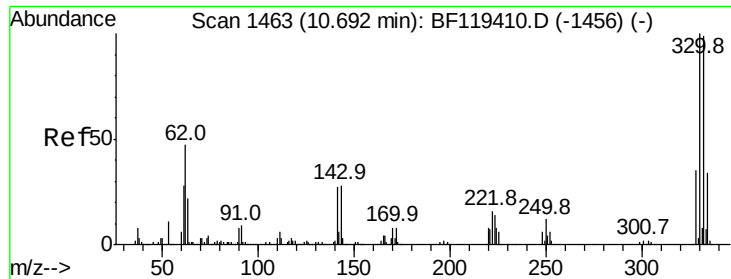


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

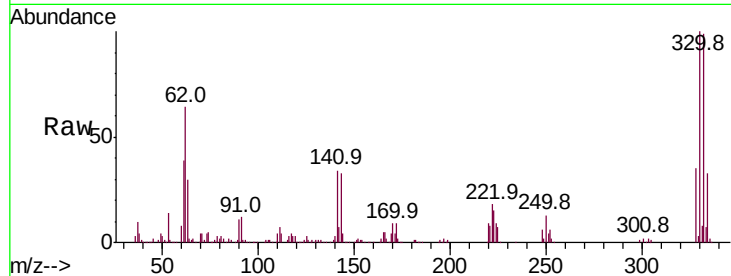




#42
 2,4,6-Tribromophenol
 Concen: 134.729 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.7	113.5
141	32.0	25.4	38.0

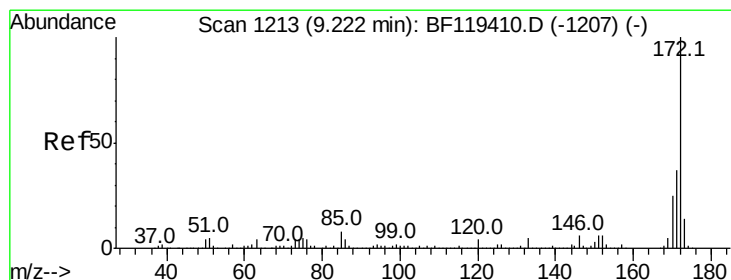
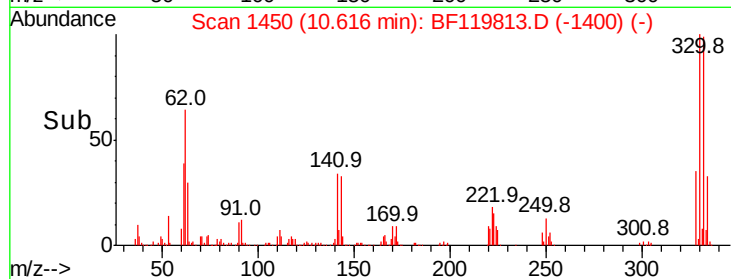
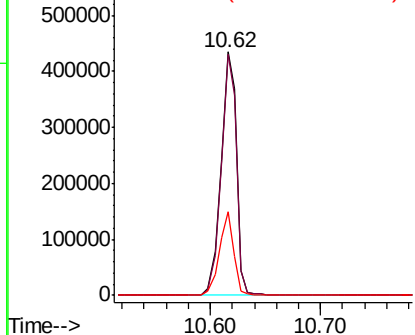


Abundance

Ion 329.80 (329.50 to 330.50): E

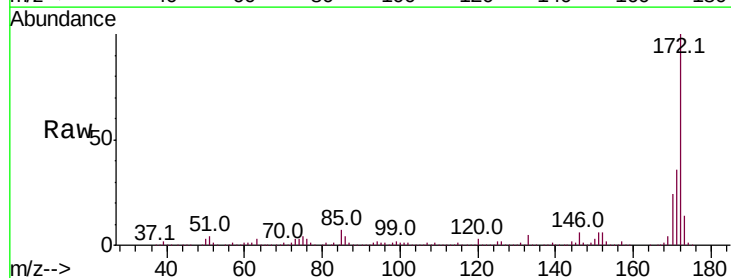
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 86.811 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.3	20.2	30.2

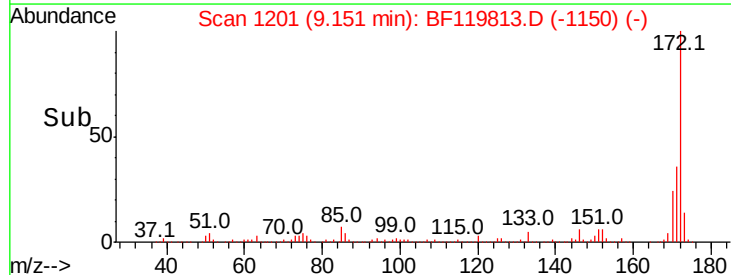
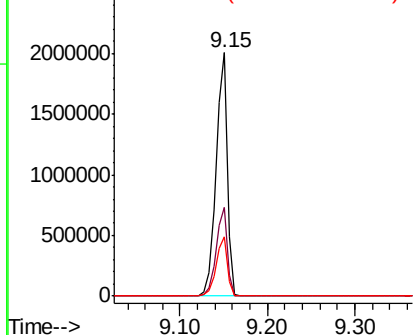


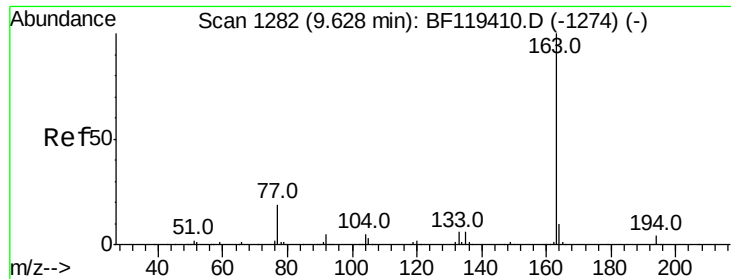
Abundance

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: 11.556 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

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FK-GF-02-056-B

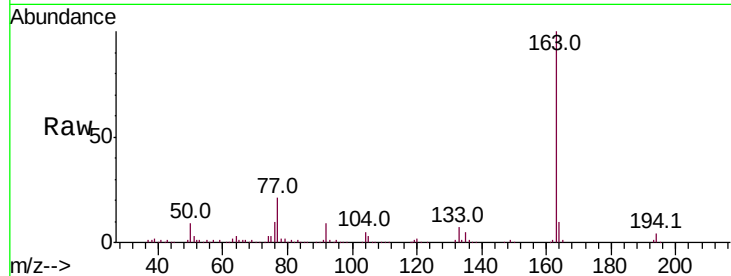
Tot Ion:163 Resp: 251050

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

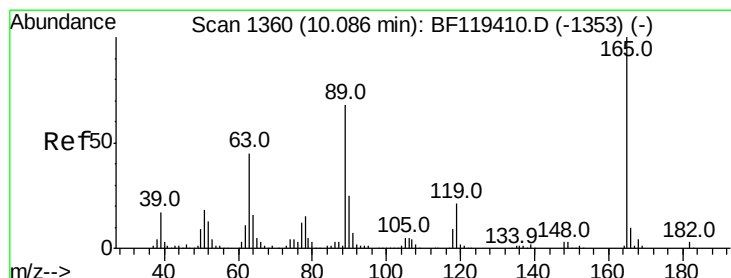
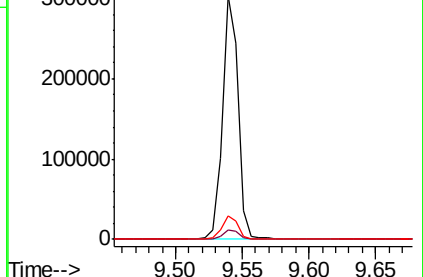
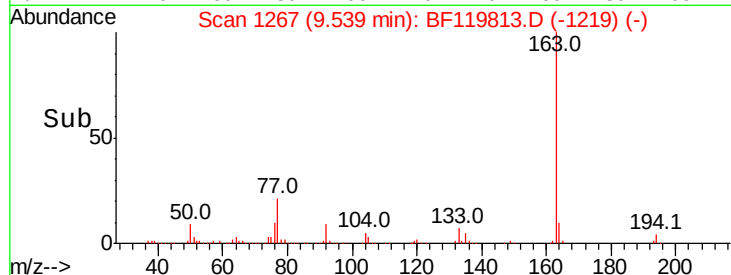
164 9.9 8.2 12.2



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: 7.054 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Tgt Ion:165 Resp: 41377

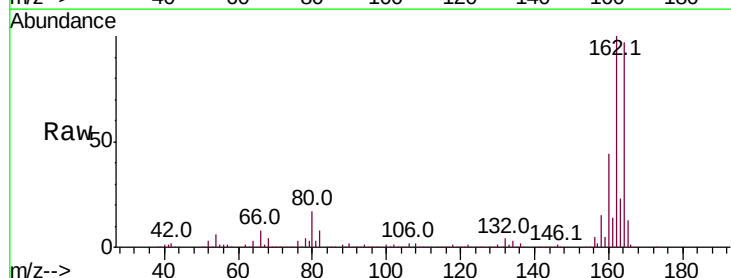
Ion Ratio Lower Upper

165 100

63 1.8 42.6 64.0#

89 1.4 61.0 91.4#

182 0.0 2.2 3.2#

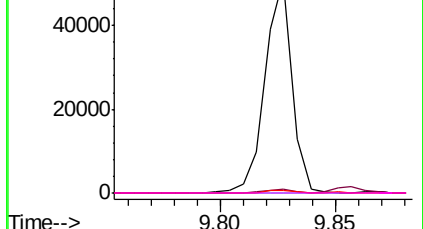
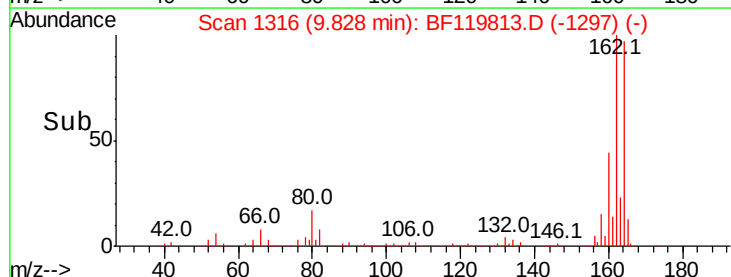


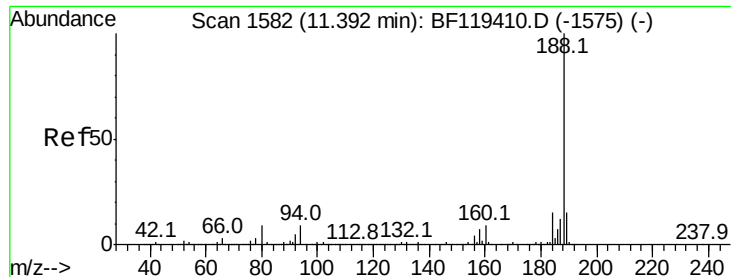
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF119813.D

Acq: 7 Apr 2020 11:15

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-B

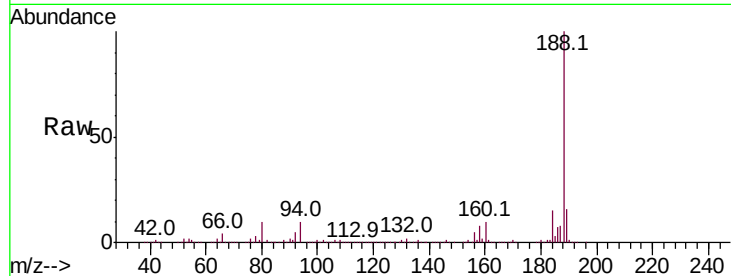
Tot Ion:188 Resp: 549311

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

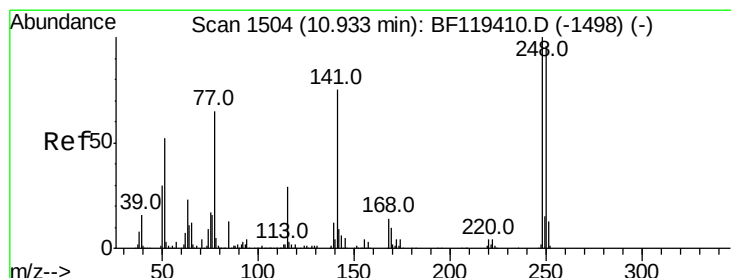
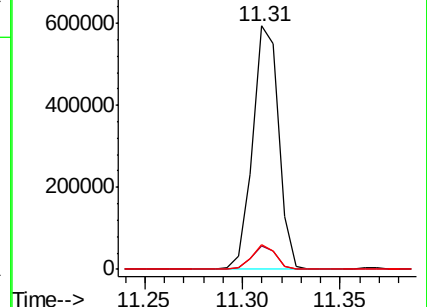
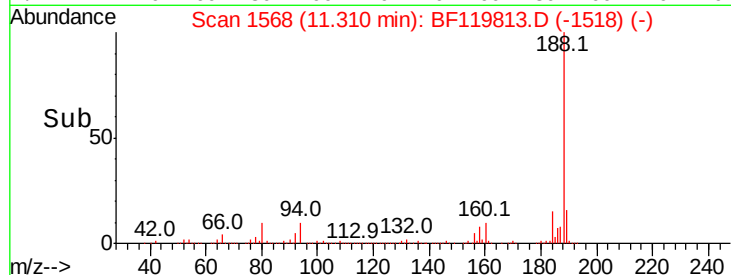
80 9.9 9.0 13.4



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: 4.072 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

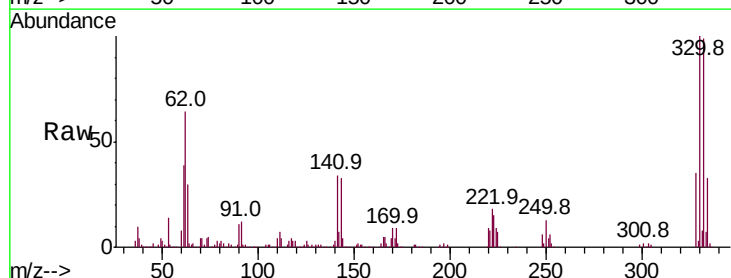
Tgt Ion:248 Resp: 25477

Ion Ratio Lower Upper

248 100

250 208.2 77.3 115.9#

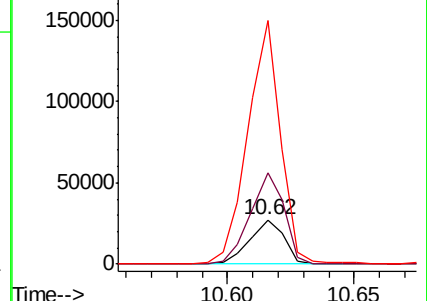
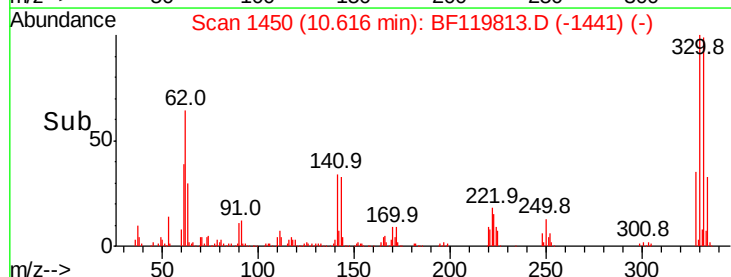
141 552.4 58.6 87.8#

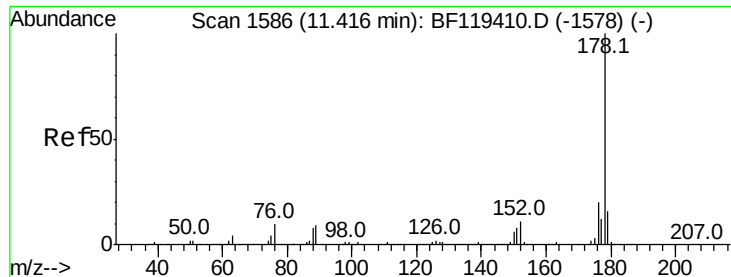


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

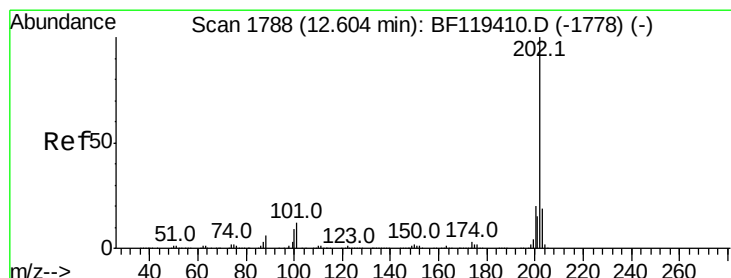
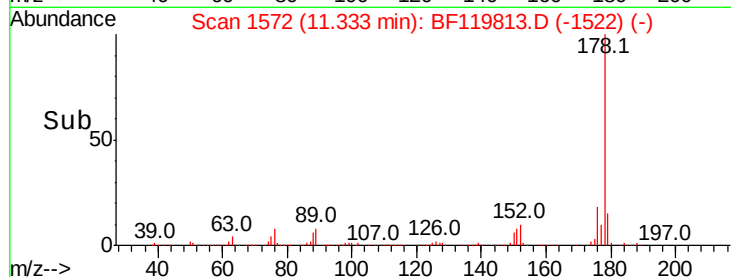
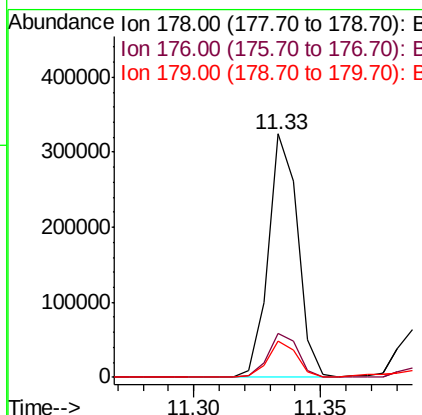
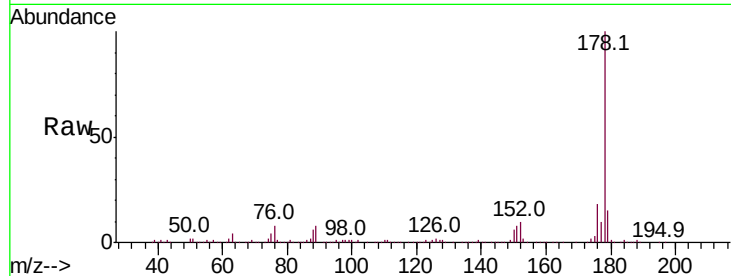




#71
 Phenanthrene
 Concen: 9.293 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

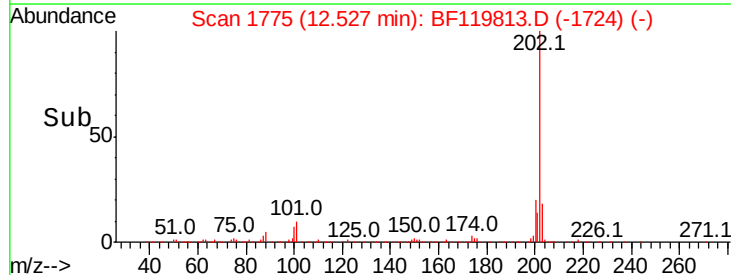
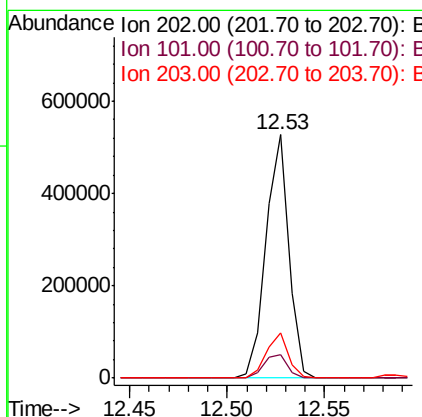
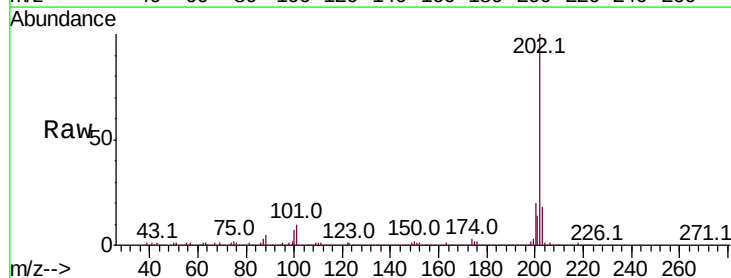
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

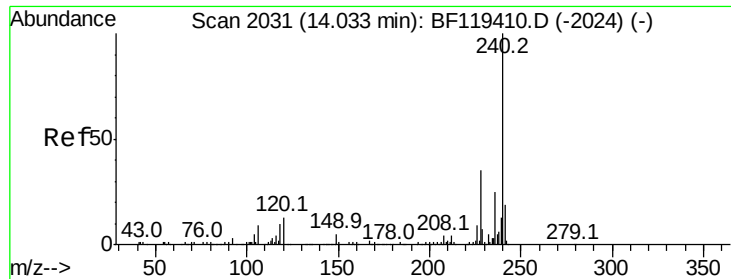
Tot Ion:178 Resp: 264689
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.2 24.4
 179 15.0 13.2 19.8



#75
 Fluoranthene
 Concen: 13.907 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Tgt Ion:202 Resp: 428691
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 32.2
 203 18.4 0.0 38.8

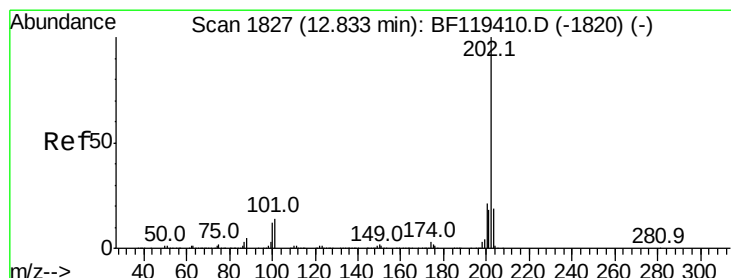
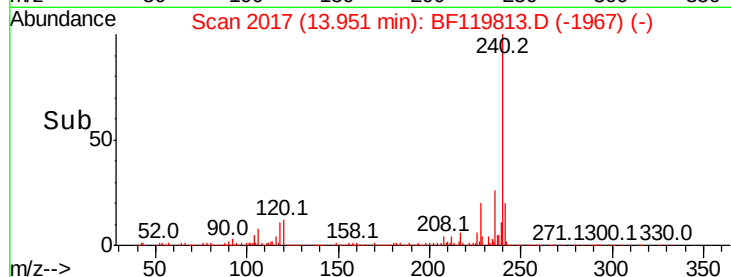
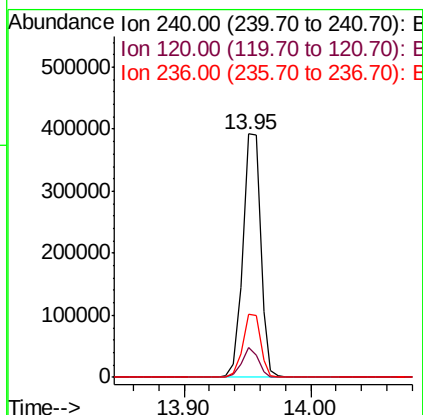
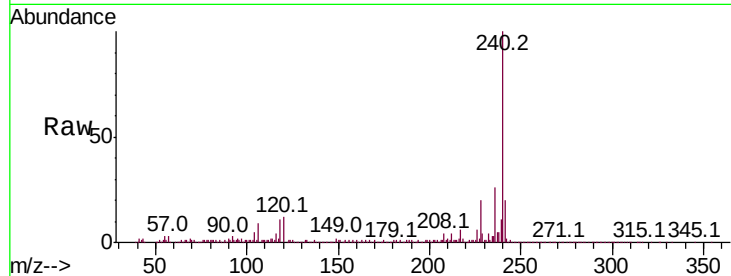




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

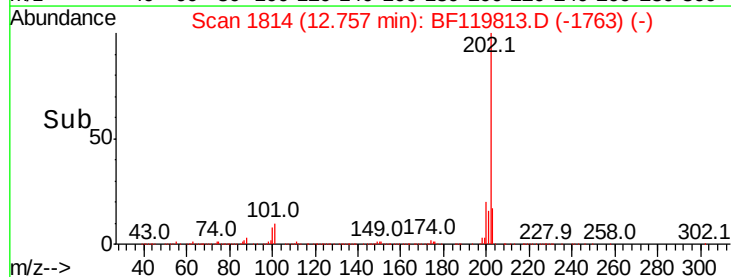
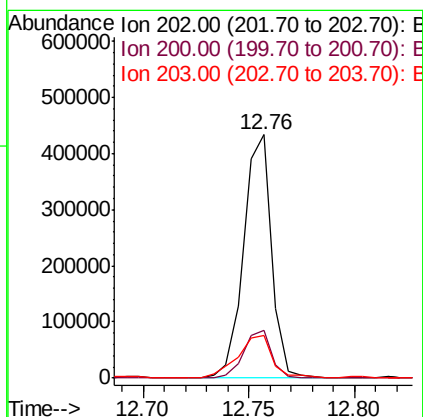
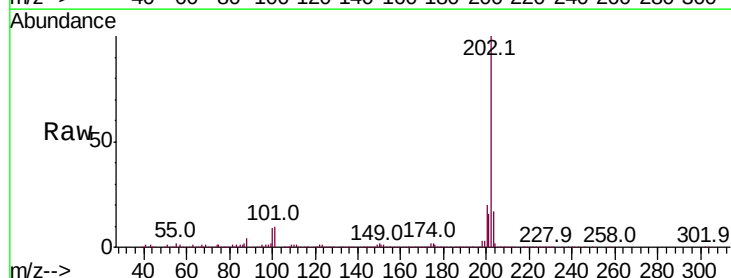
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

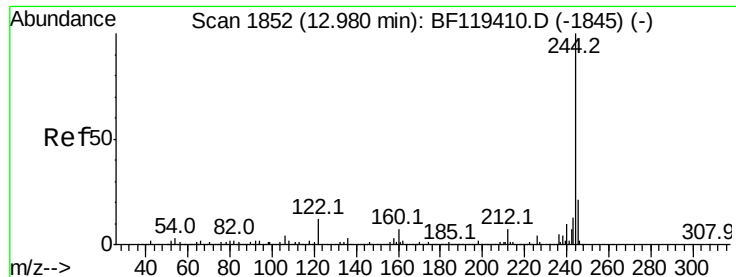
Tot Ion:240 Resp: 379222
 Ion Ratio Lower Upper
 240 100
 120 12.0 10.6 15.8
 236 25.8 20.2 30.2



#78
 Pyrene
 Concen: 12.737 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.00 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Tgt Ion:202 Resp: 396401
 Ion Ratio Lower Upper
 202 100
 200 19.7 16.8 25.2
 203 17.5 15.1 22.7



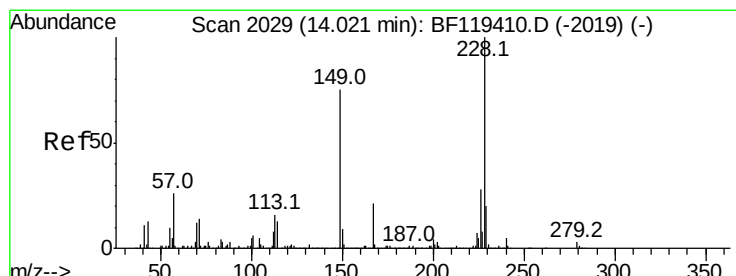
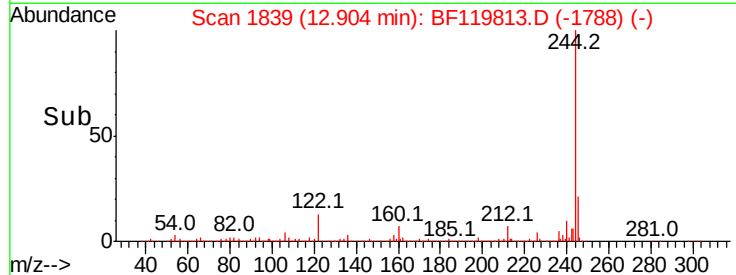
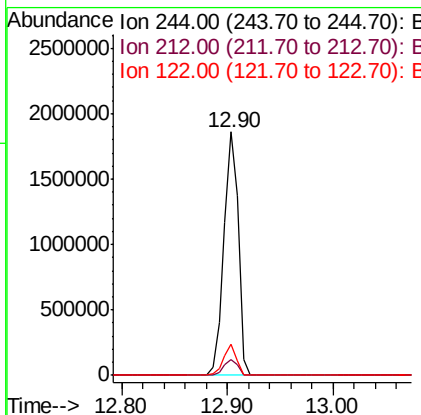
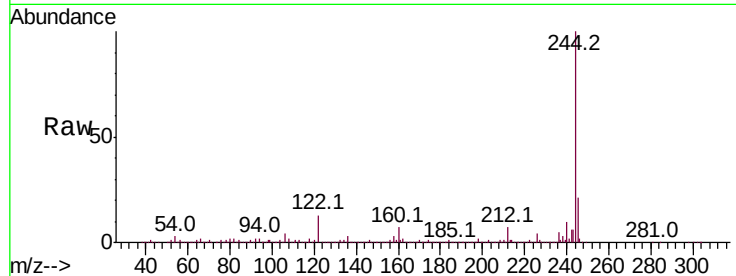


#79
 Terphenyl-d14
 Concen: 91.315 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

Tot Ion:244 Resp: 1767479

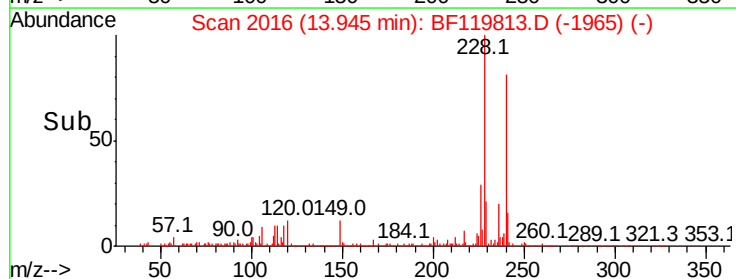
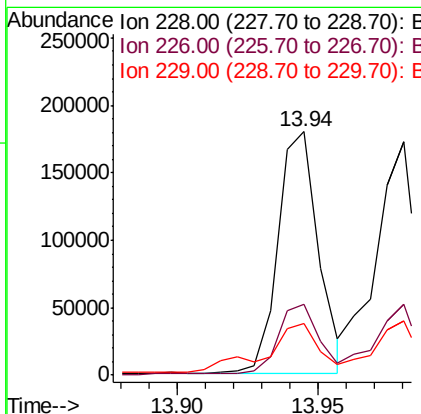
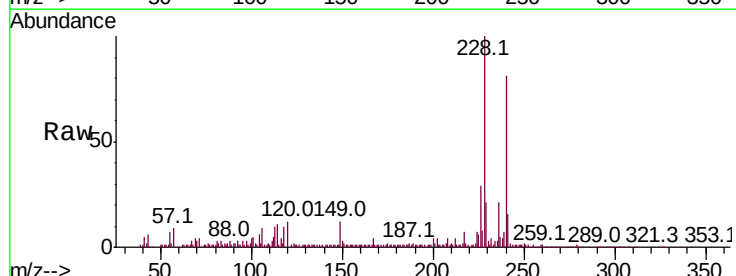
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	12.7	10.3	15.5

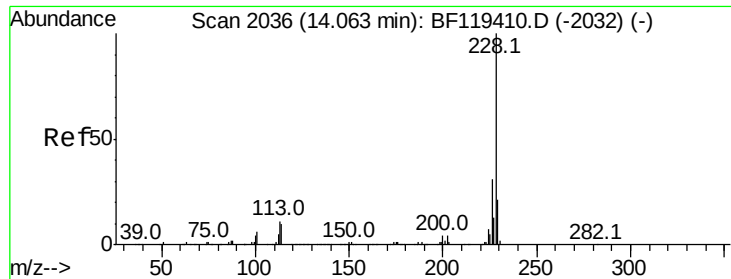


#81
 Benzo(a)anthracene
 Concen: 7.201 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Tgt Ion:228 Resp: 177588

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.8	32.8
229	21.3	16.2	24.4

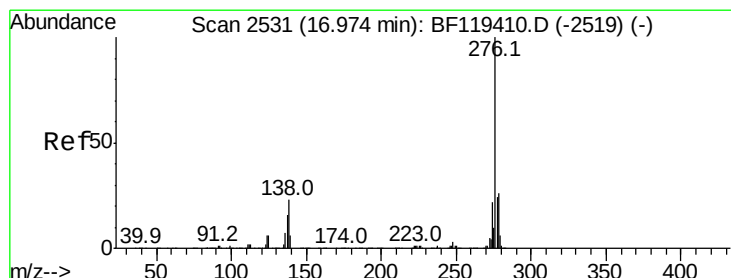
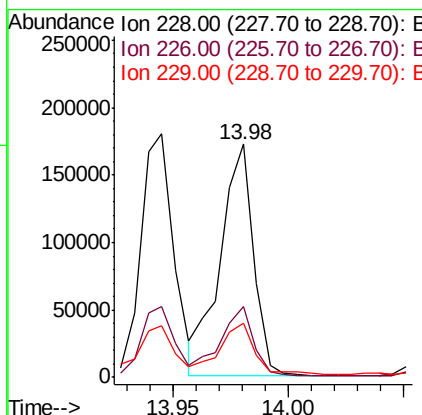
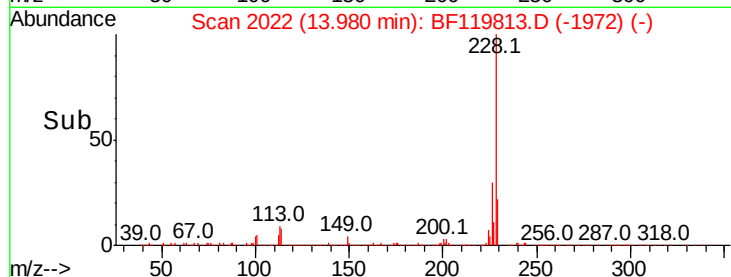
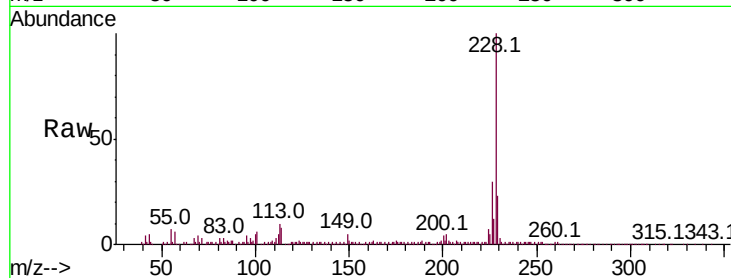




#83
Chrysene
Concen: 6.834 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

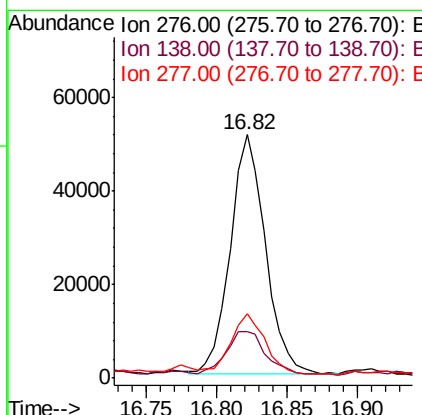
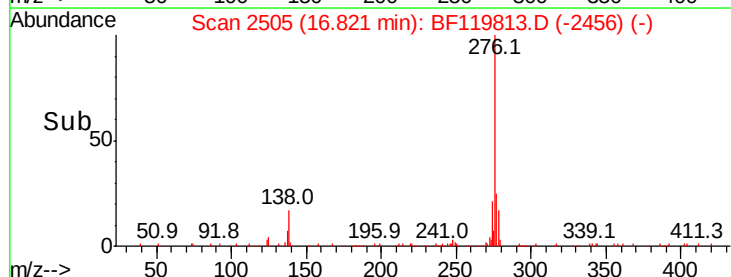
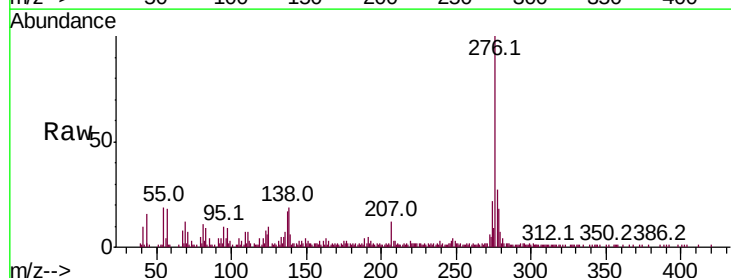
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

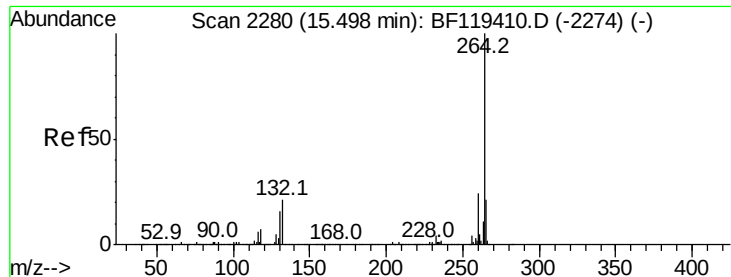
Tot Ion:228 Resp: 173925
Ion Ratio Lower Upper
228 100
226 30.5 25.4 38.0
229 23.2 16.6 24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.685 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion:276 Resp: 88327
Ion Ratio Lower Upper
276 100
138 19.7 19.6 29.4
277 25.7 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-B

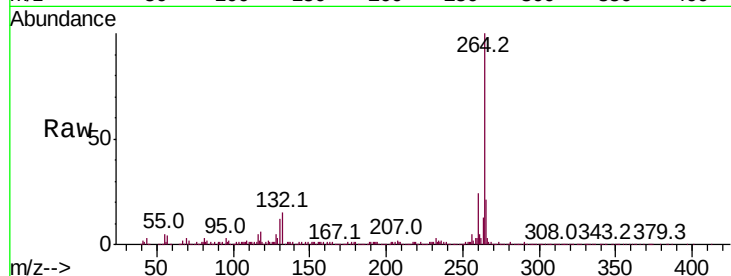
Tot Ion:264 Resp: 382552

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

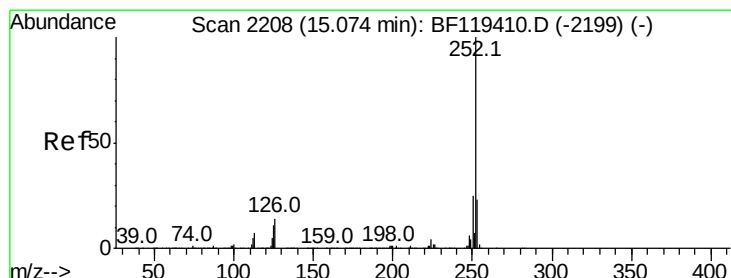
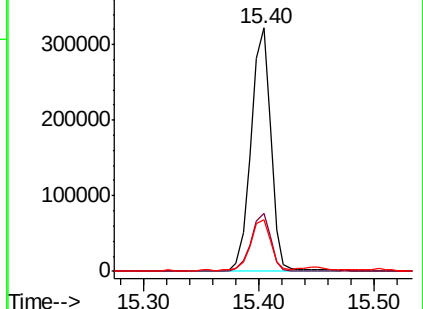
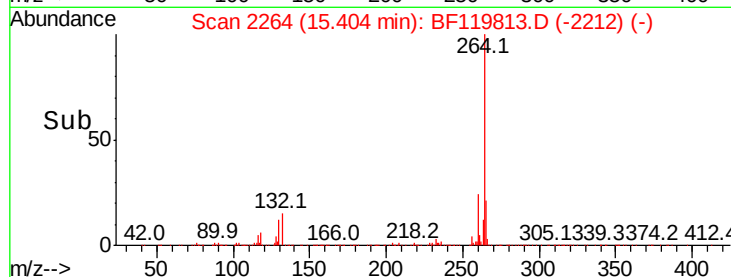
265 21.5 17.7 26.5



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: 11.550 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

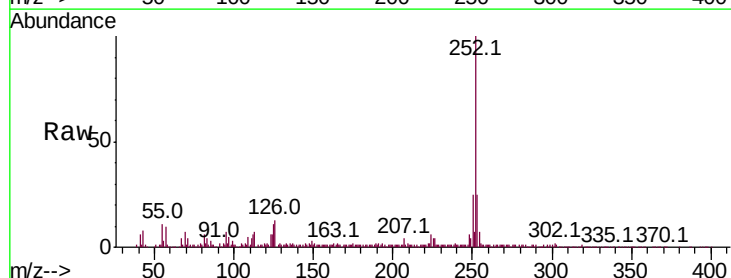
Tgt Ion:252 Resp: 295156

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.0

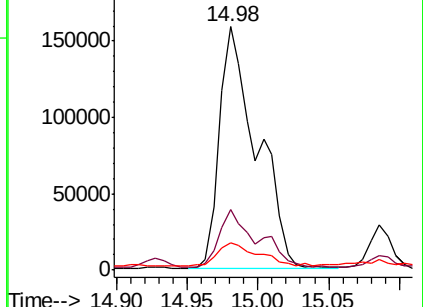
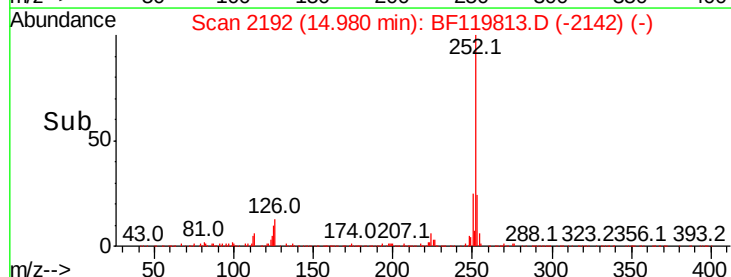
125 11.4 7.9 11.9

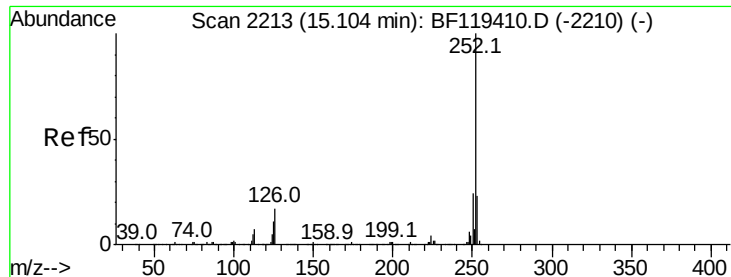


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

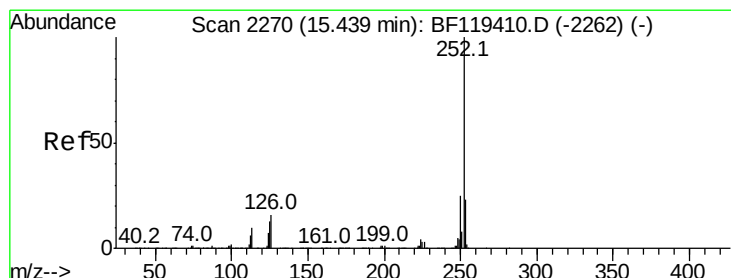
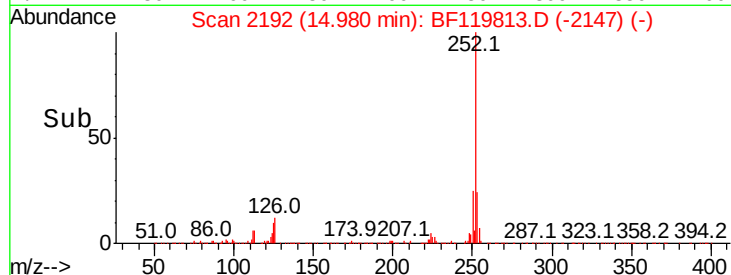
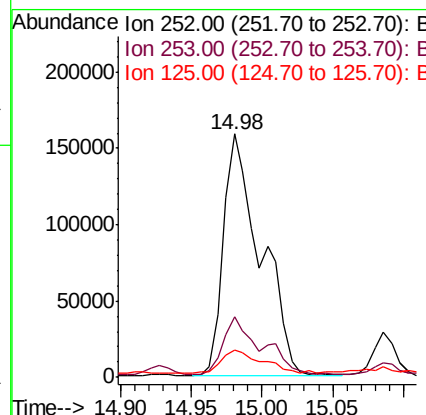
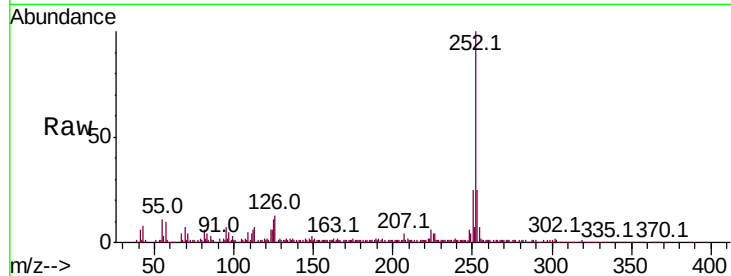




#89
Benzo(k)fluoranthene
Concen: 12.130 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.04 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

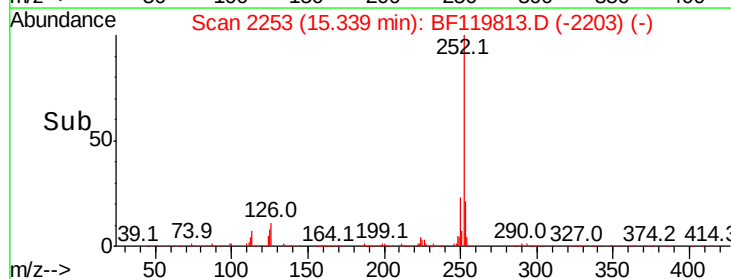
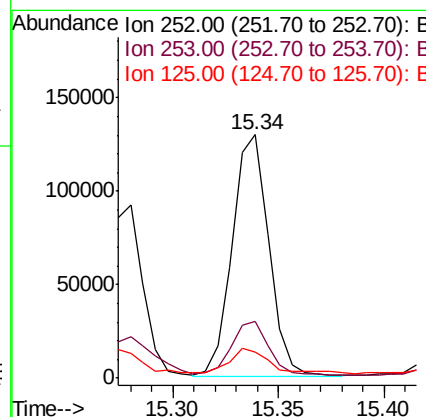
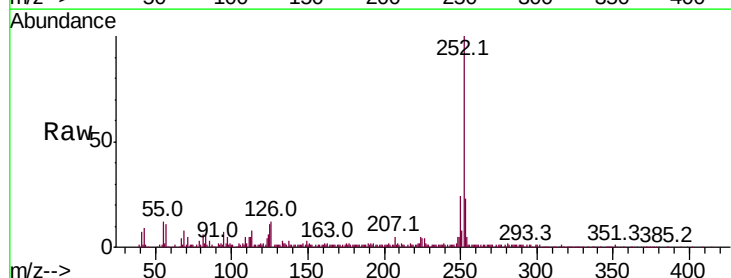
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

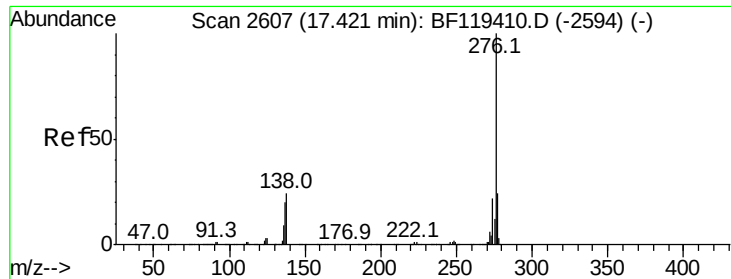
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	11.4	8.4	12.6



#90
Benzo(a)pyrene
Concen: 6.635 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.5	9.4	14.2

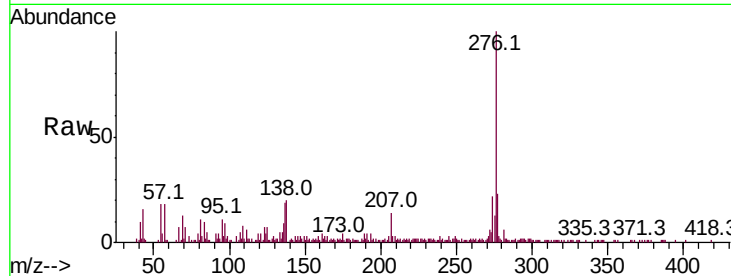




#92
 Benzo(a,h,i)perylene
 Concen: 4.224 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. -0.02 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.4	27.6
138	19.7	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

