

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040620\
 Data File : BF119815.D
 Acq On : 7 Apr 2020 12:08
 Operator : MA/SJ
 Sample : L2148-03
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

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

Quant Time: Apr 07 12:38:40 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	156227	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	566500	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	278661	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	512451	20.00	ng	0.00
76) Chrysene-d12	13.96	240	355955	20.00	ng	0.00
87) Perylene-d12	15.40	264	342268	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1273565	129.77	ng	0.01
7) Phenol-d6	6.42	99	1615058	128.83	ng	0.00
23) Nitrobenzene-d5	7.35	82	961949	92.29	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	398187	138.51	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1731281	92.04	ng	0.00
79) Terphenyl-d14	12.90	244	1770264	97.44	ng	0.00

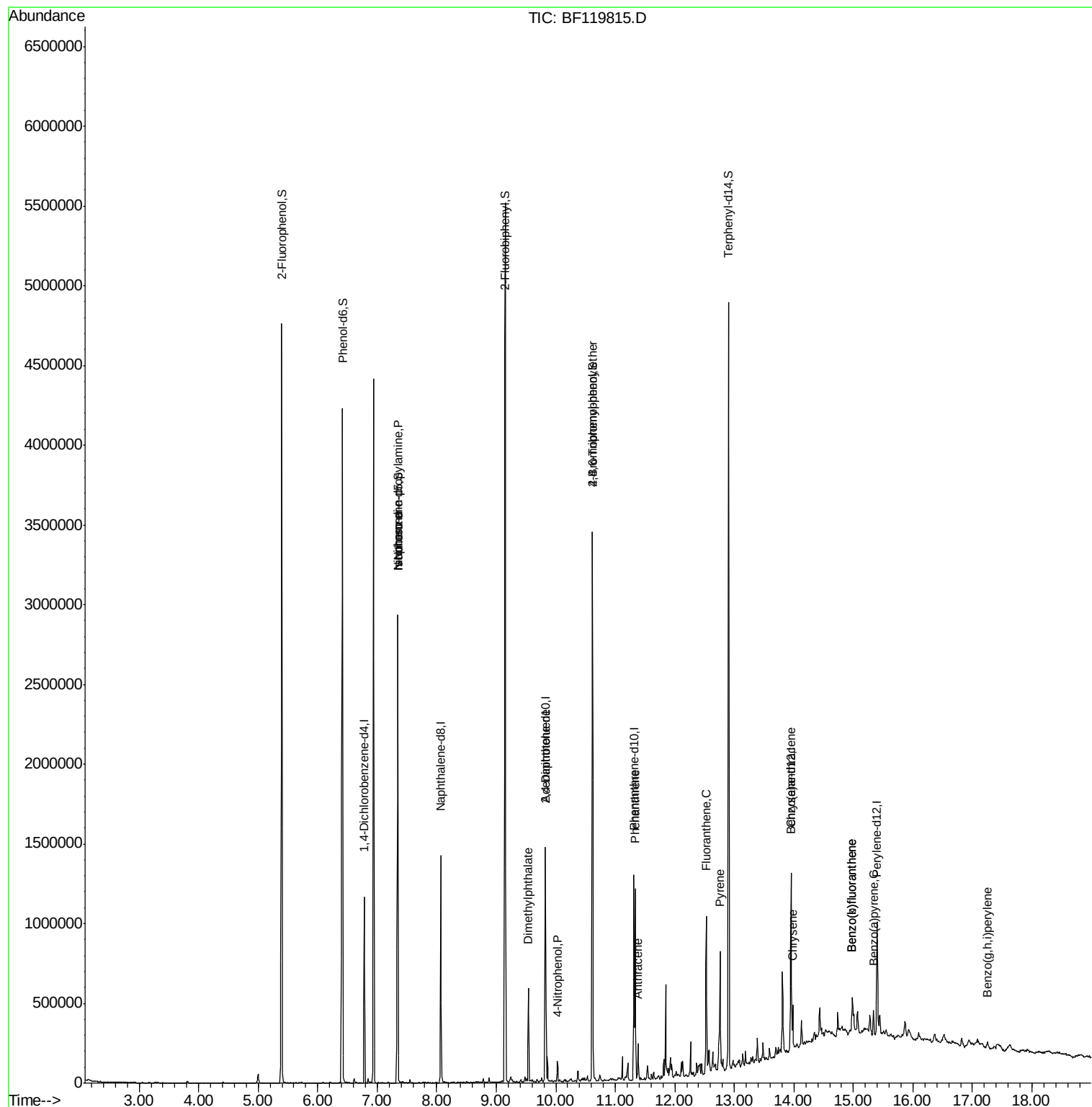
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	126385	16.726	ng	# 76
25) Isophorone	7.35	82	961936	45.493	ng	# 65
50) Dimethylphthalate	9.54	163	214115	10.817	ng	100
56) 4-Nitrophenol	10.03	139	14447	3.419	ng	# 6
57) 2,4-Dinitrotoluene	9.83	165	36532	6.835	ng	# 20
67) 4-Bromophenyl-phenylether	10.62	248	24209	4.148	ng	# 1
71) Phenanthrene	11.34	178	444359	16.723	ng	97
72) Anthracene	11.39	178	78425	2.904	ng	97
75) Fluoranthene	12.53	202	363501	12.640	ng	96
78) Pyrene	12.76	202	305258	10.449	ng	97
81) Benzo(a)anthracene	13.94	228	115685	4.998	ng	98
83) Chrysene	13.98	228	100287	4.198	ng	96
88) Benzo(b)fluoranthene	14.98	252	150306	6.574	ng	95
89) Benzo(k)fluoranthene	14.98	252	150306	6.904	ng	96
90) Benzo(a)pyrene	15.34	252	74174	3.570	ng	97
92) Benzo(g,h,i)perylene	17.25	276	37951	2.079	ng	97

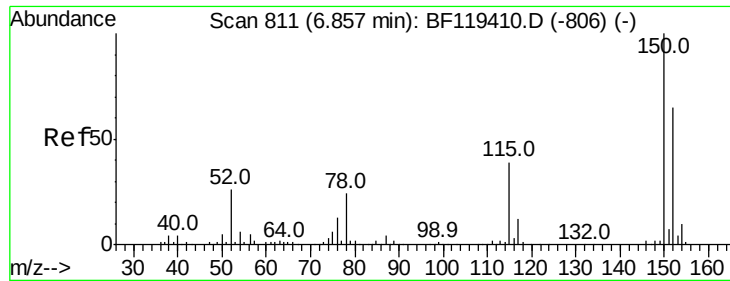
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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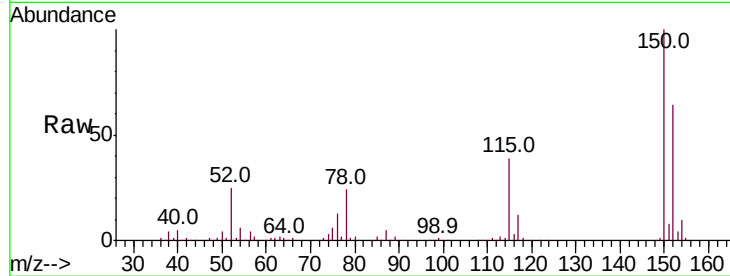


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.5	186.7
115	60.9	49.6	74.4

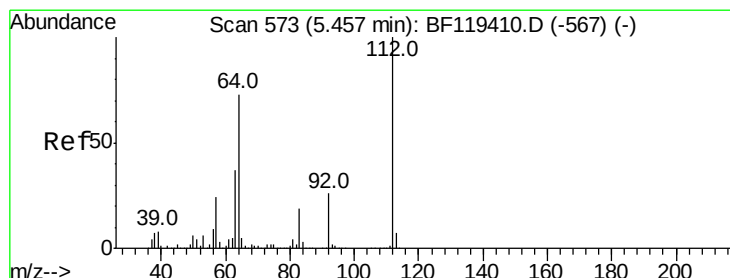
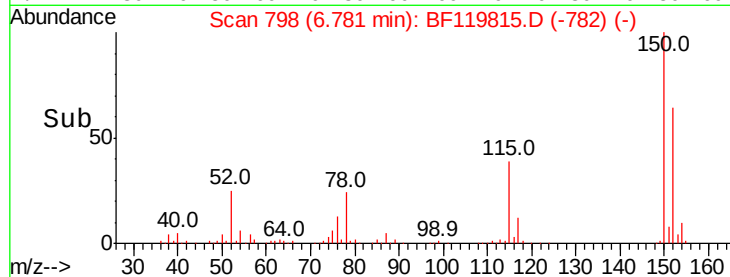
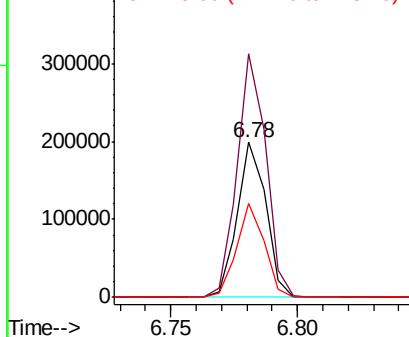


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

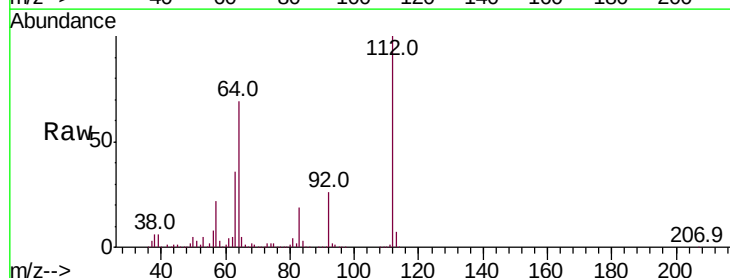
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 129.772 ng
 RT: 5.40 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	56.7	85.1
63	35.5	29.5	44.3

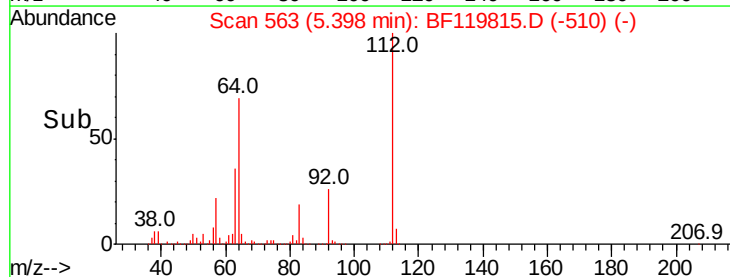
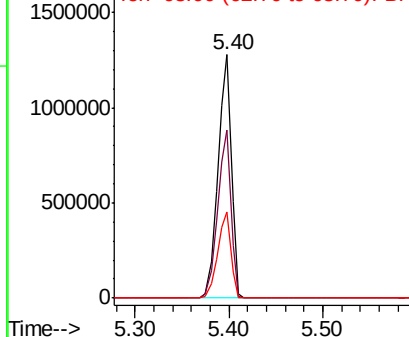


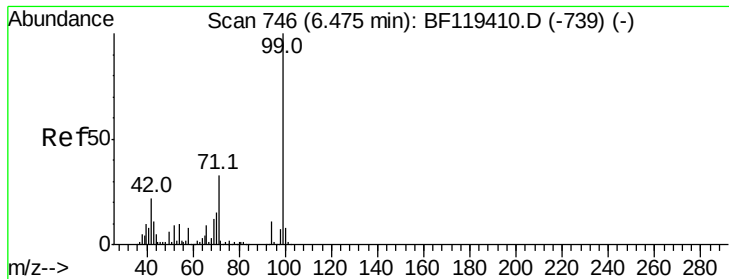
Abundance

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: 128.829 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-B

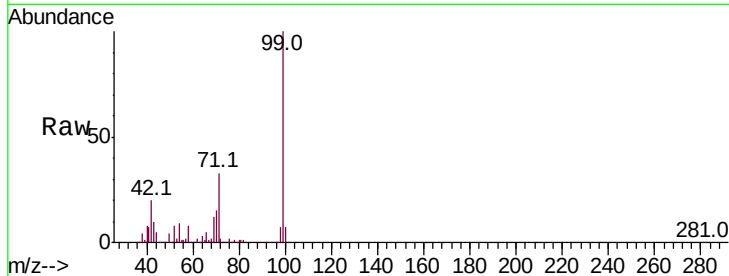
Tot Ion: 99 Resp: 1615058

Ion Ratio Lower Upper

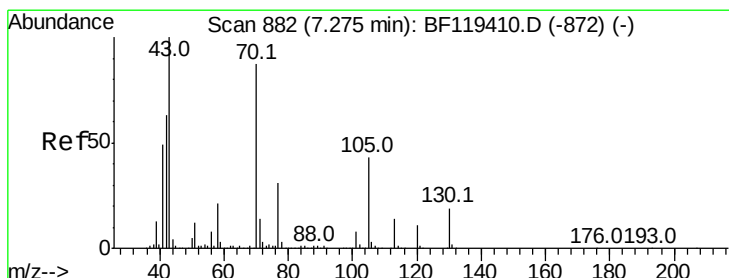
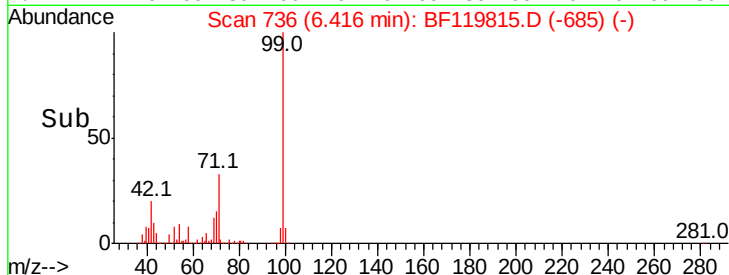
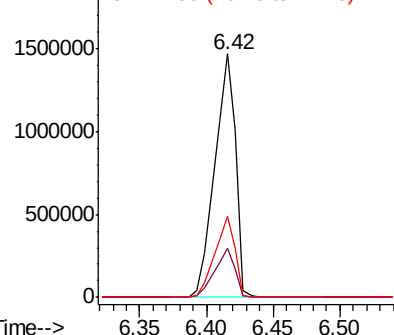
99 100

42 20.1 16.6 24.8

71 33.3 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: 16.726 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

Tgt Ion: 70 Resp: 126385

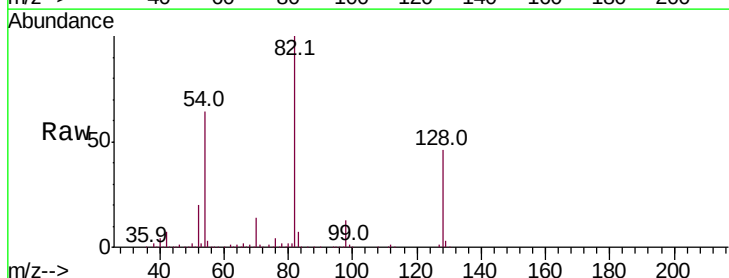
Ion Ratio Lower Upper

70 100

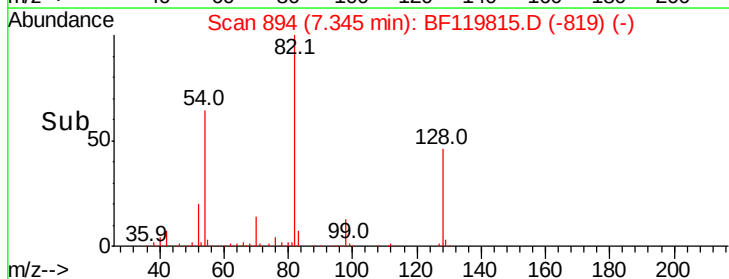
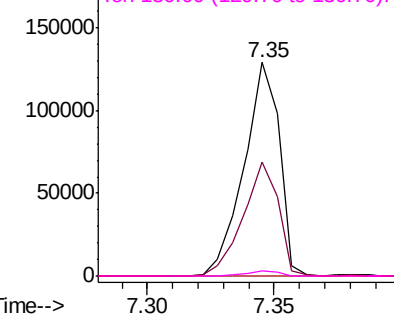
42 53.3 54.5 81.7#

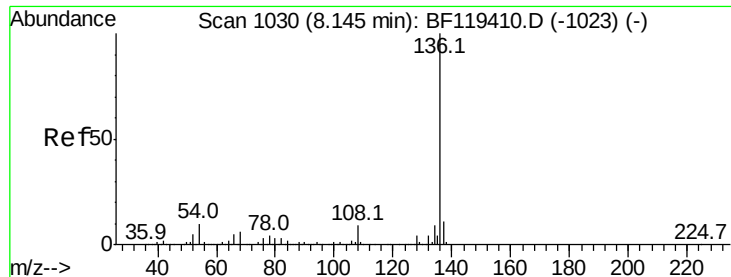
101 0.0 7.6 11.4#

130 2.1 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

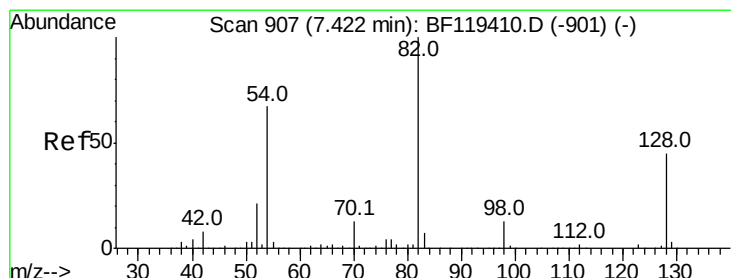
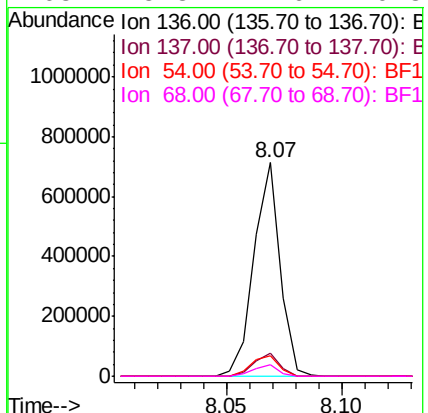
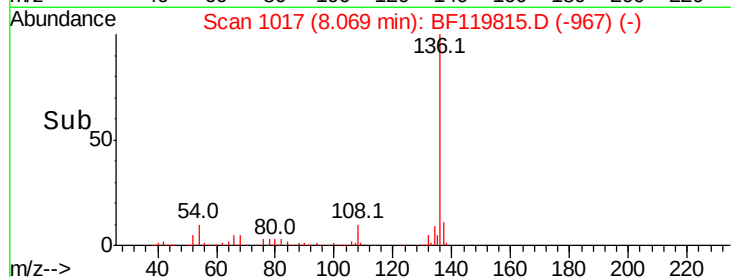
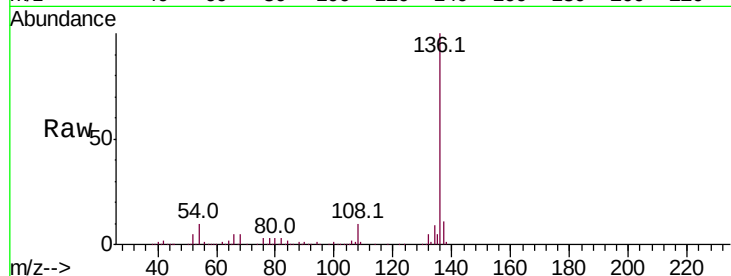




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF119815.D
Acq: 7 Apr 2020 12:08

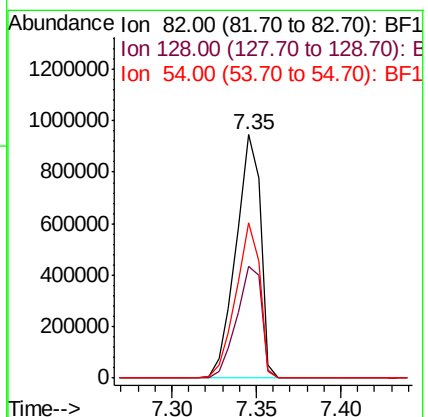
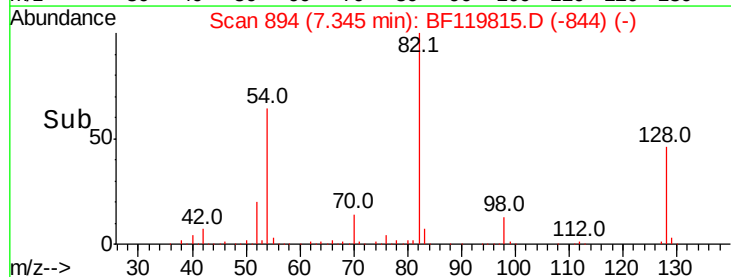
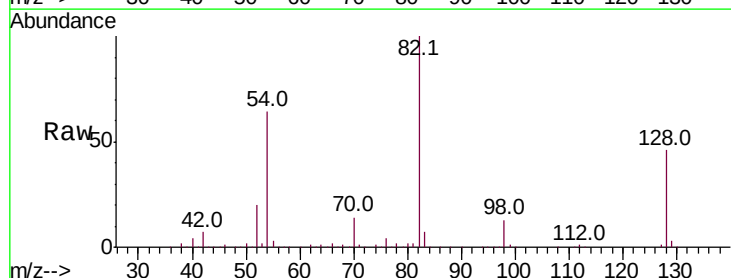
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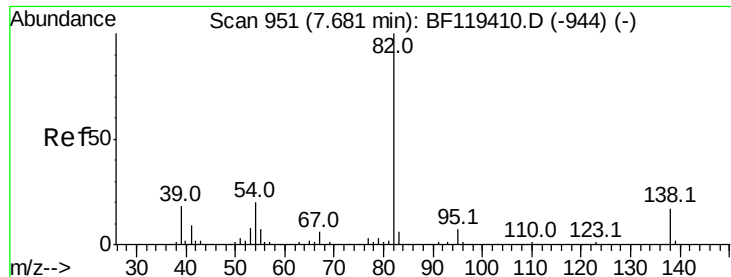
Tot Ion:136	Resp:	566500
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.7 13.1
54	9.8	9.1 13.7
68	5.3	4.6 6.8



#23
Nitrobenzene-d5
Concen: 92.286 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119815.D
Acq: 7 Apr 2020 12:08

Tgt Ion: 82	Resp:	961949
Ion	Ratio	Lower Upper
82	100	
128	45.7	36.3 54.5
54	63.8	50.6 75.8





#25

Isophorone

Concen: 45.493 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-B

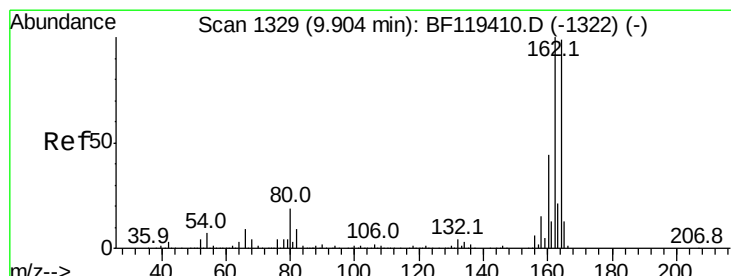
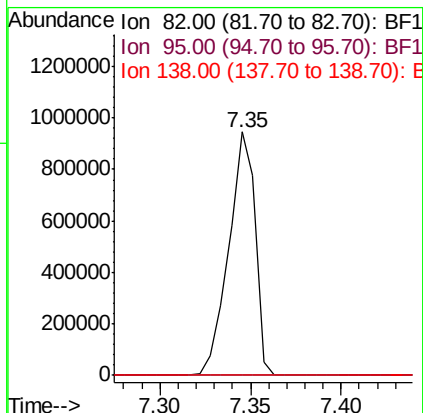
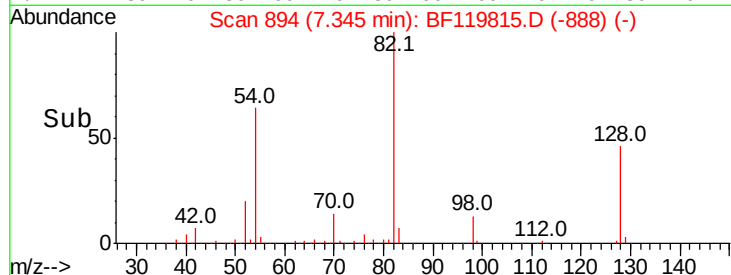
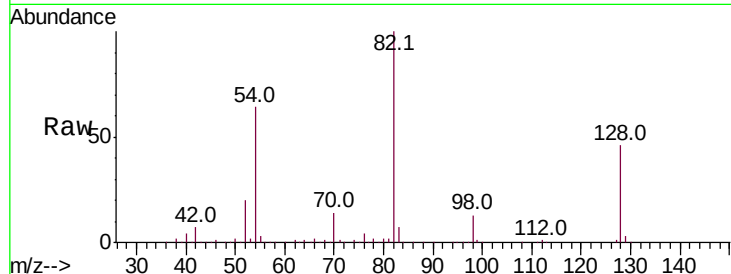
Tot Ion: 82 Resp: 961936

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

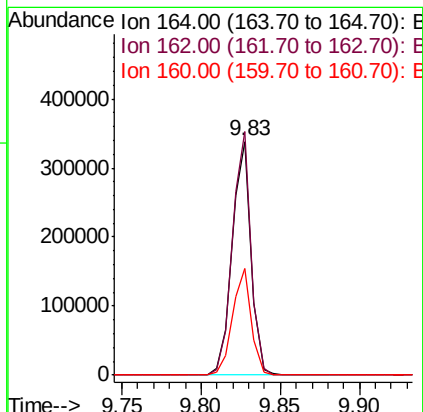
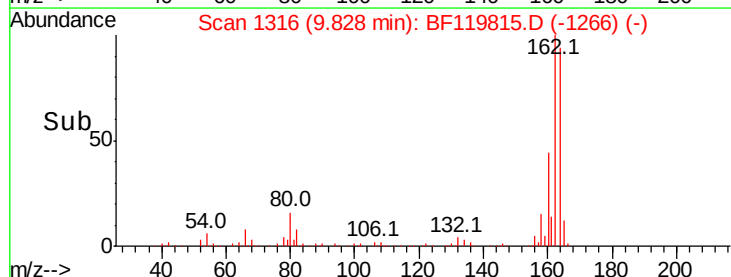
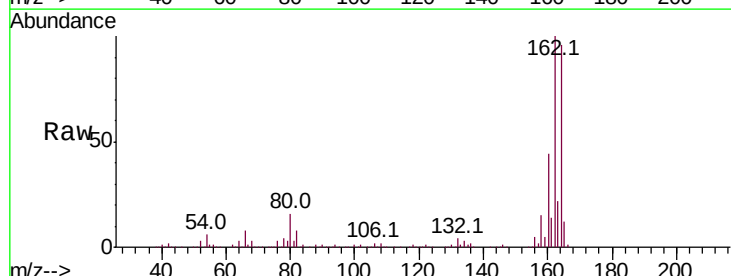
Tgt Ion:164 Resp: 278661

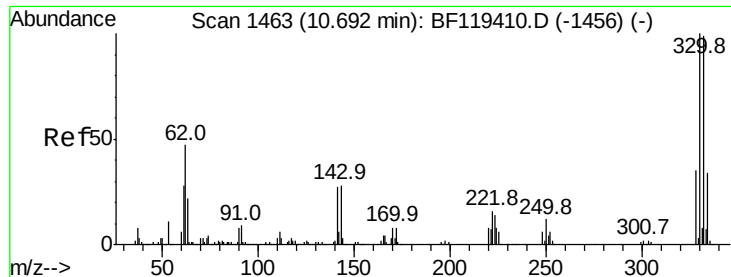
Ion Ratio Lower Upper

164 100

162 104.2 80.6 121.0

160 45.6 35.7 53.5

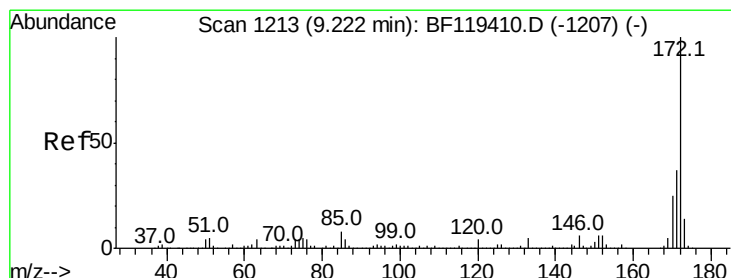
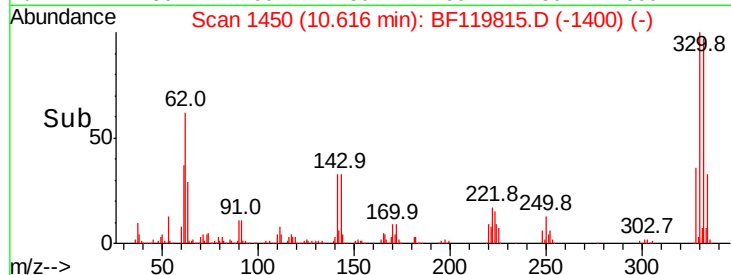
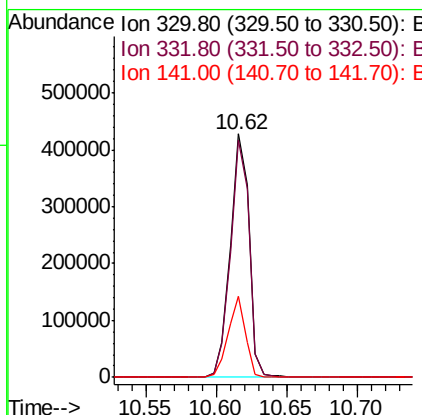
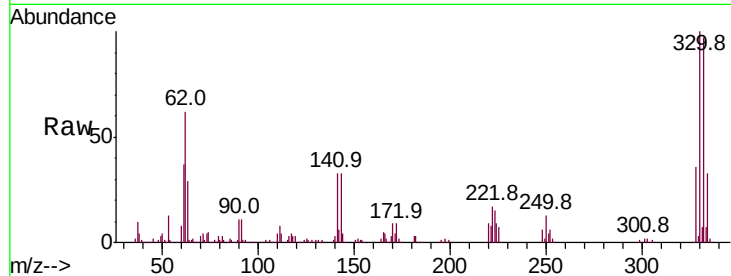




#42
 2,4,6-Tribromophenol
 Concen: 138.507 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

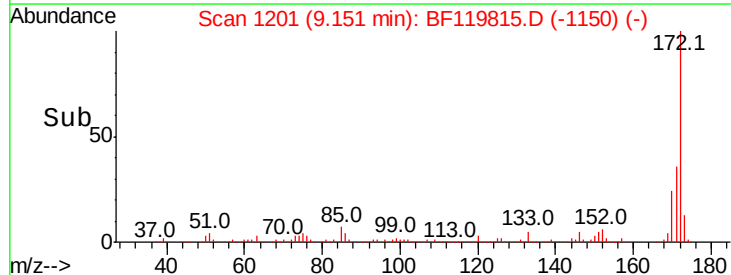
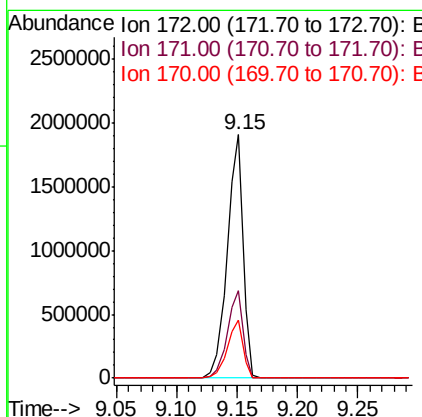
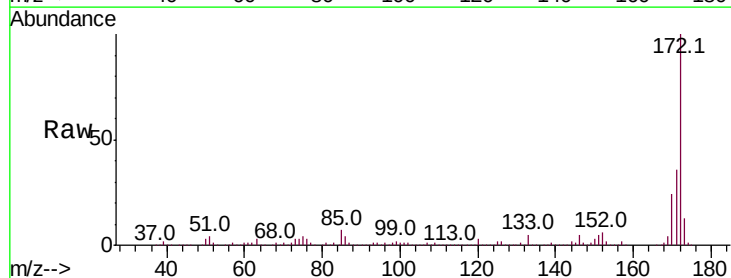
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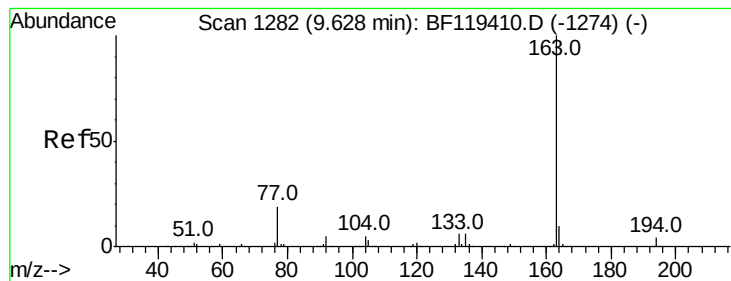
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	75.7	113.5
141	31.2	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 92.042 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.0	20.2	30.2





#50

Dimethylphthalate

Concen: 10.817 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-B

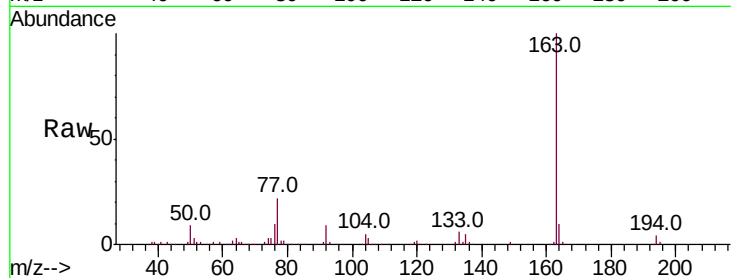
Tot Ion:163 Resp: 214115

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

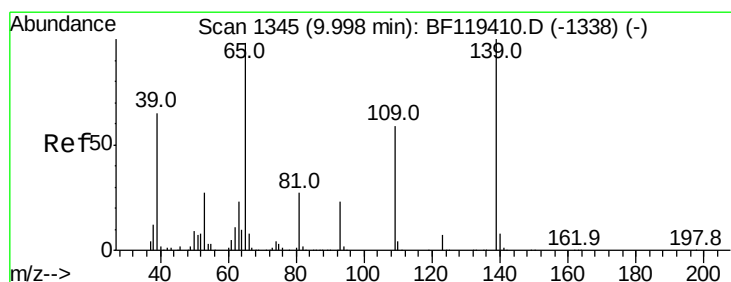
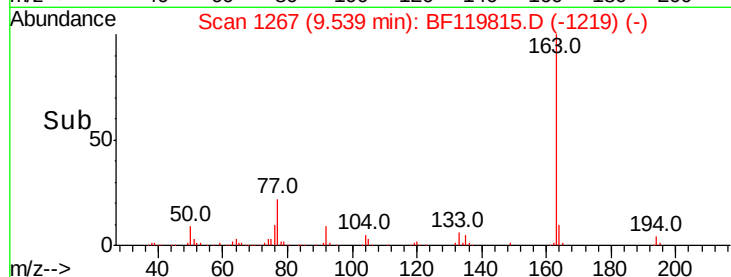
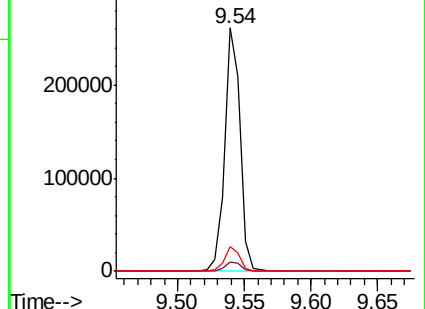
164 10.1 8.2 12.2



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



#56

4-Nitrophenol

Concen: 3.419 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.09 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

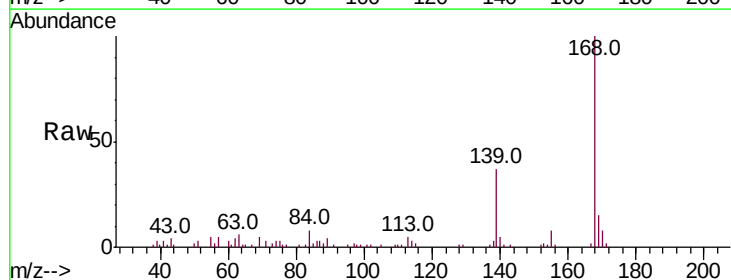
Tgt Ion:139 Resp: 14447

Ion Ratio Lower Upper

139 100

109 1.8 43.3 83.3#

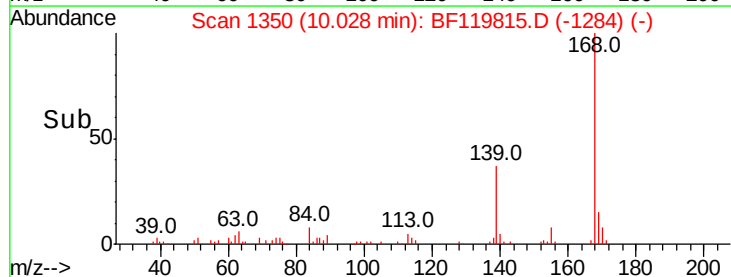
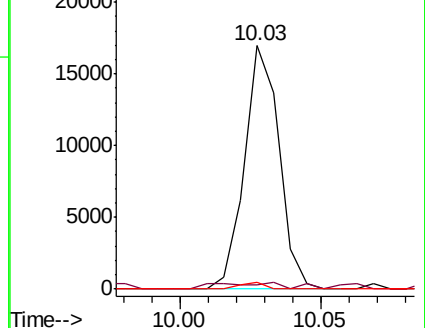
65 3.0 91.0 131.0#

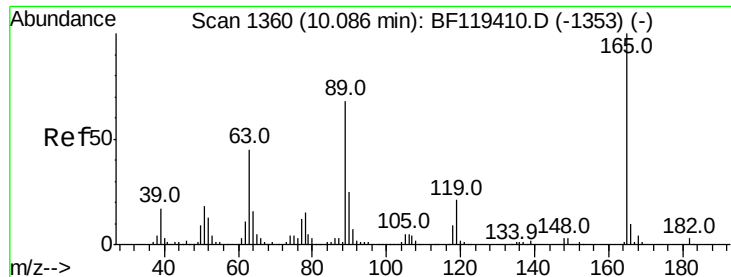


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.835 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-B

Tot Ion:165 Resp: 36532

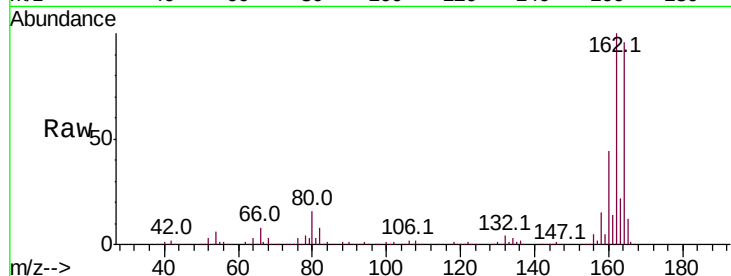
Ion Ratio Lower Upper

165 100

63 1.3 42.6 64.0#

89 1.5 61.0 91.4#

182 0.0 2.2 3.2#

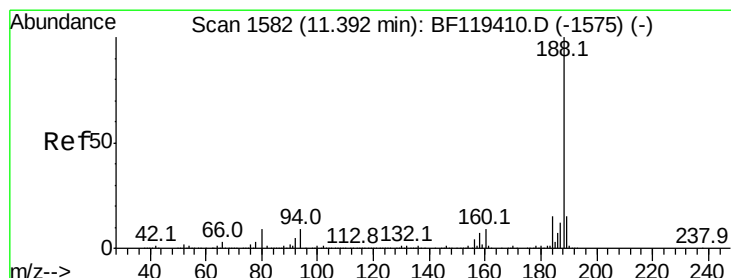
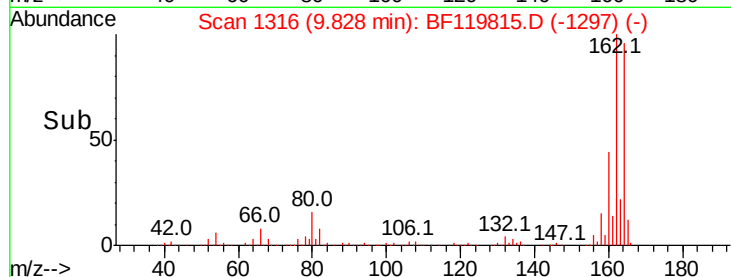
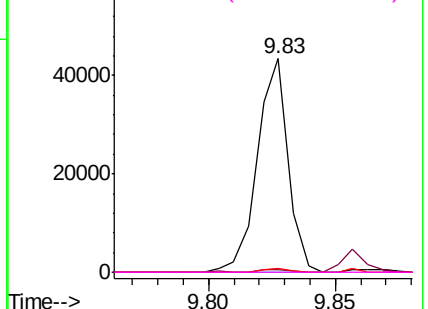


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

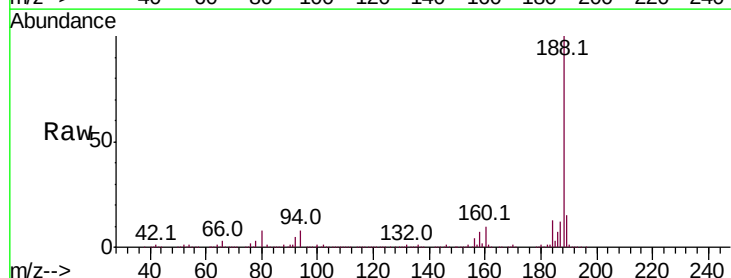
Tgt Ion:188 Resp: 512451

Ion Ratio Lower Upper

188 100

94 7.8 7.5 11.3

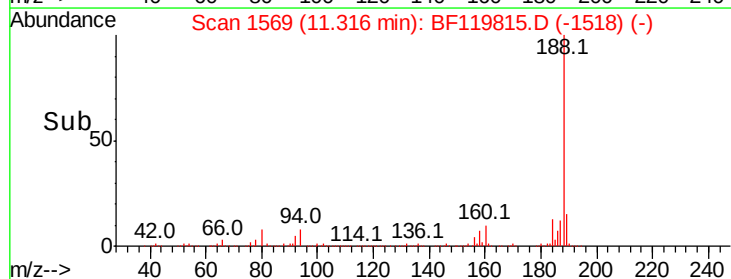
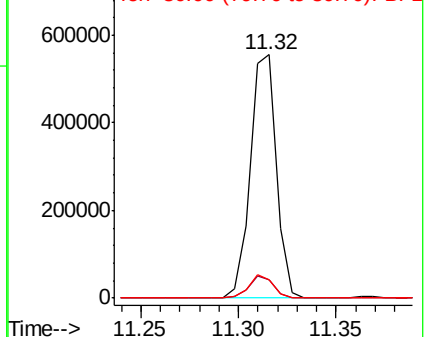
80 7.7 9.0 13.4#

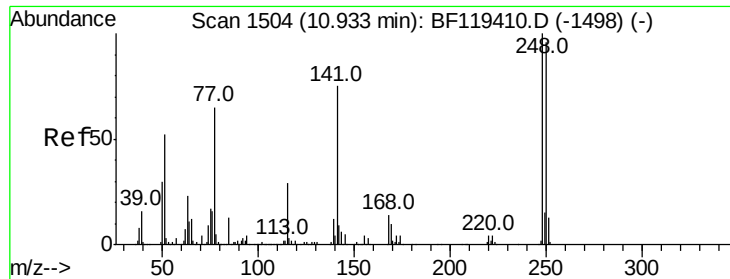


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

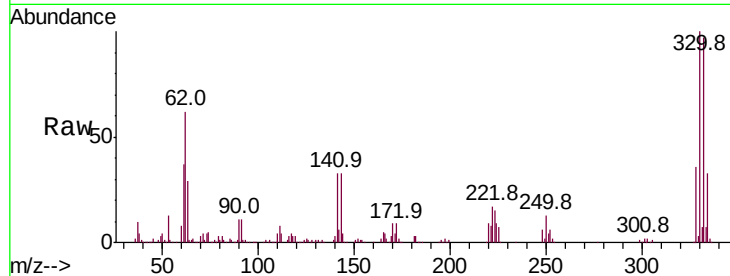




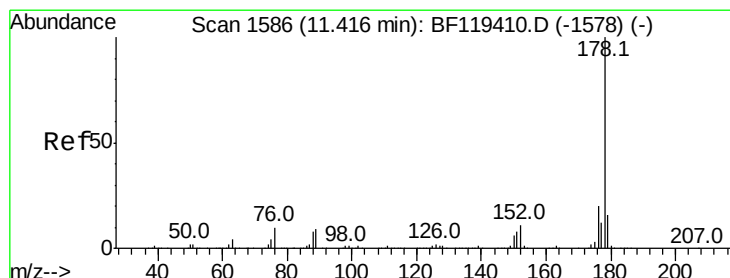
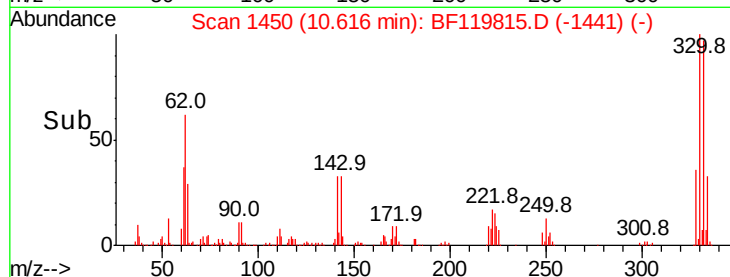
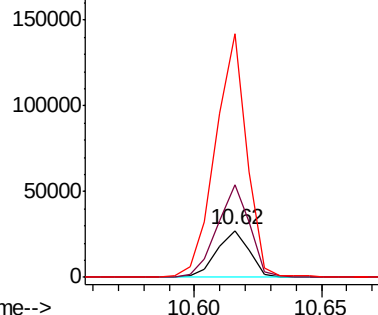
#67
 4-Bromophenyl-phenylether
 Concen: 4.148 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

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

Tot Ion:248 Resp: 24209
 Ion Ratio Lower Upper
 248 100
 250 199.5 77.3 115.9#
 141 521.4 58.6 87.8#

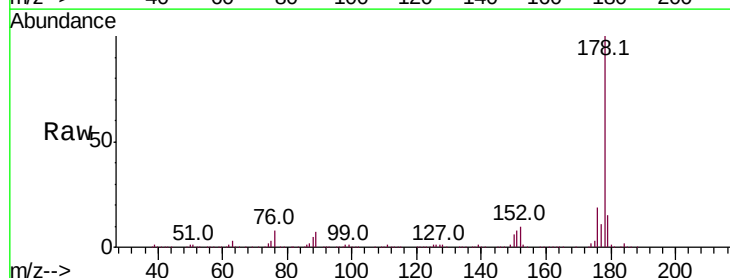


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

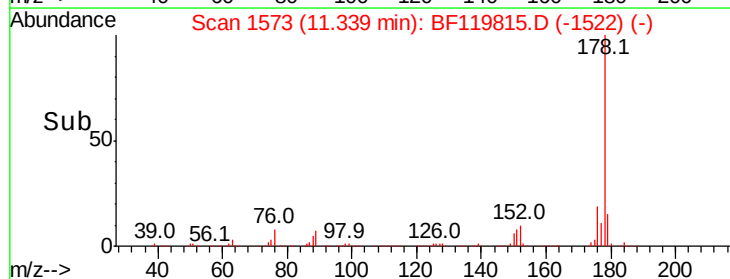
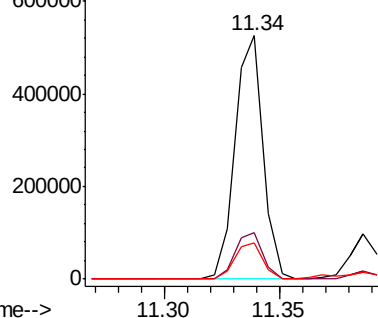


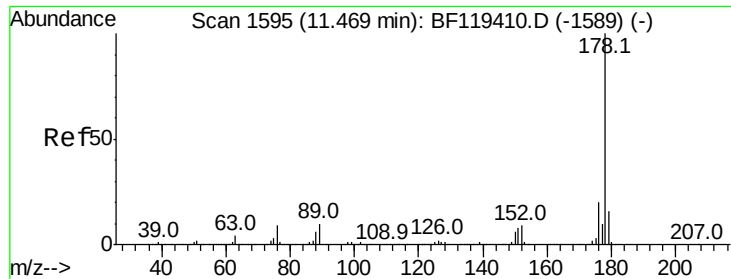
#71
 Phenanthrene
 Concen: 16.723 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

Tgt Ion:178 Resp: 444359
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.1 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

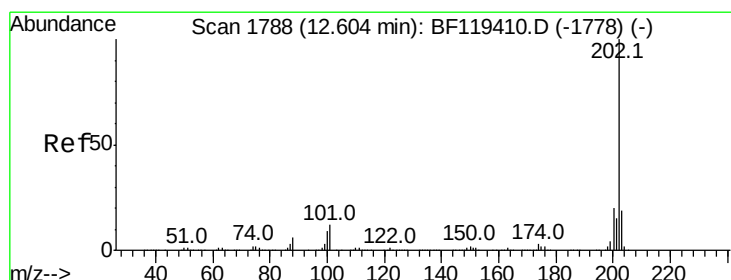
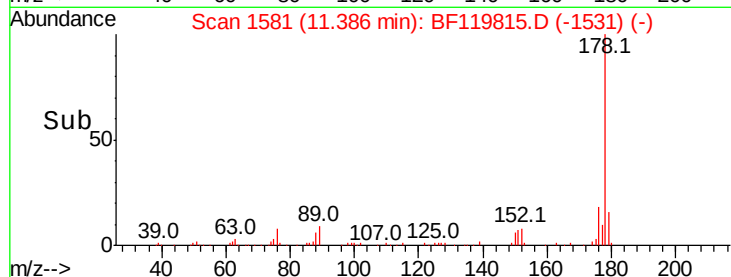
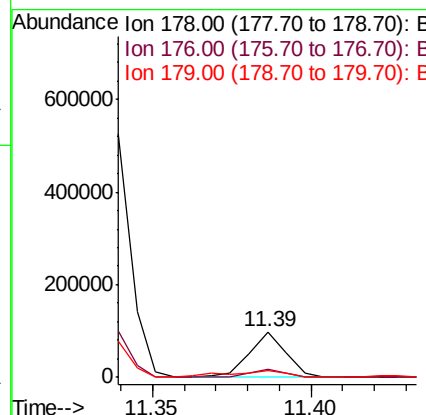
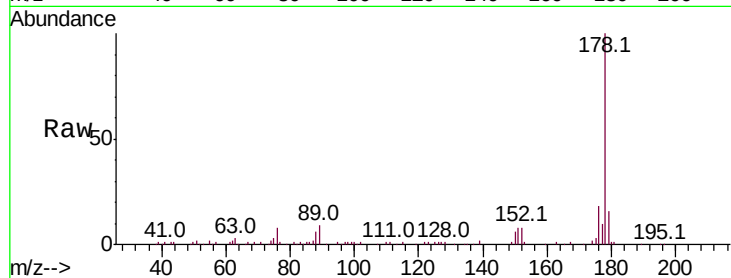




#72
 Anthracene
 Concen: 2.904 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

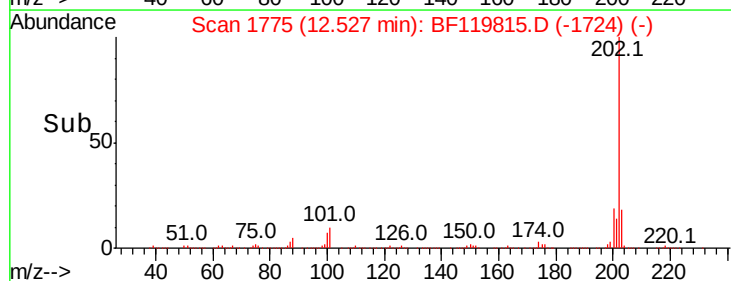
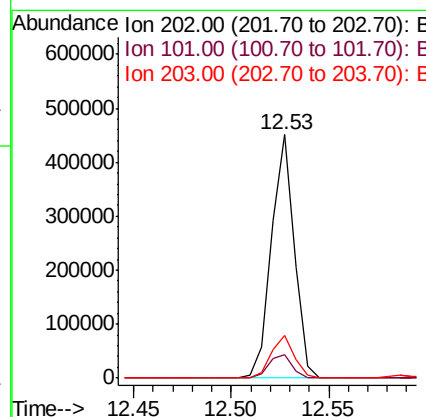
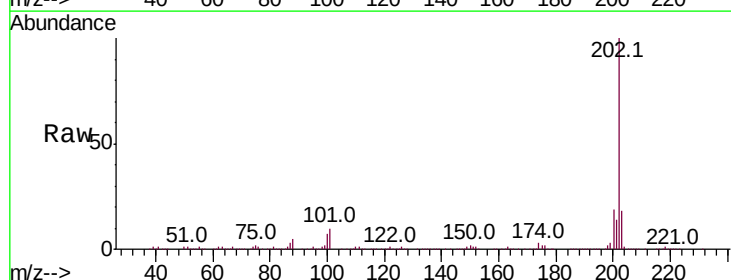
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-055-B

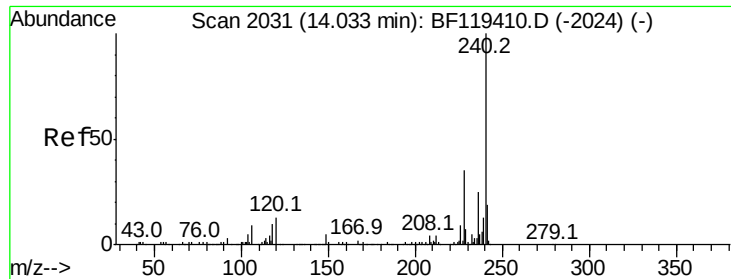
Tot Ion:178 Resp: 78425
 Ion Ratio Lower Upper
 178 100
 176 17.6 16.1 24.1
 179 16.3 13.0 19.4



#75
 Fluoranthene
 Concen: 12.640 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.00 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

Tgt Ion:202 Resp: 363501
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 32.2
 203 17.5 0.0 38.8

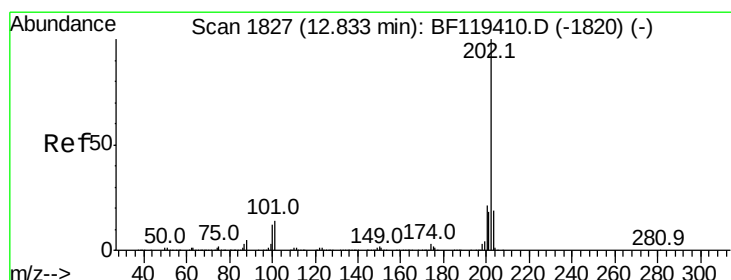
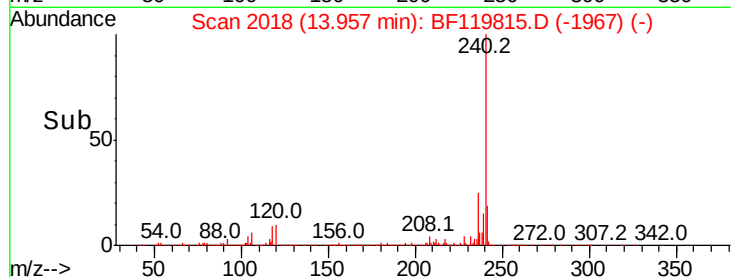
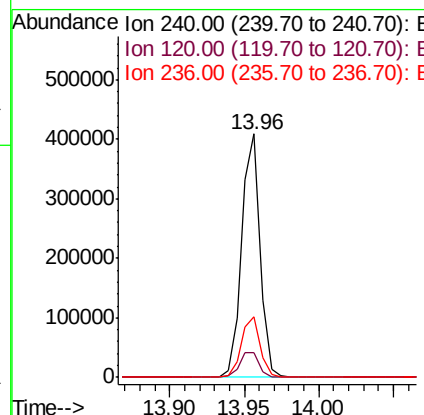
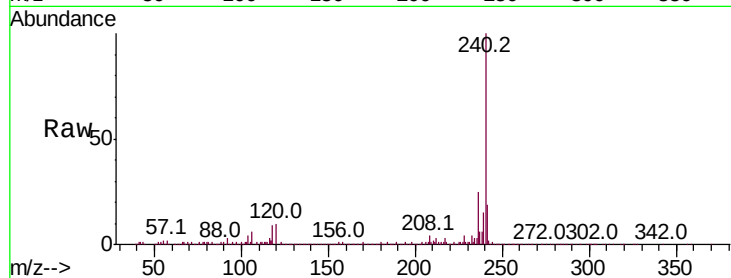




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF119815.D
Acq: 7 Apr 2020 12:08

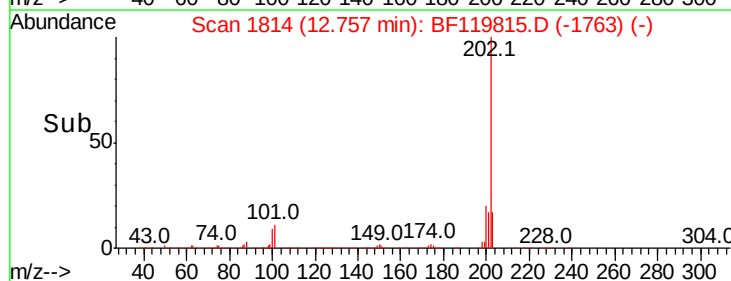
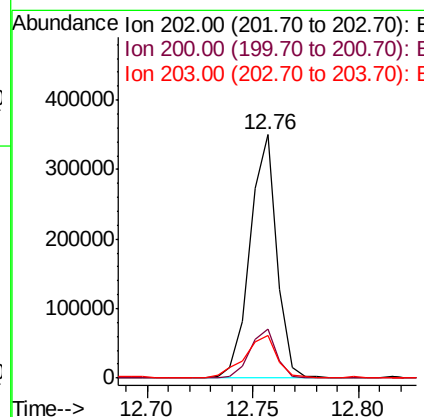
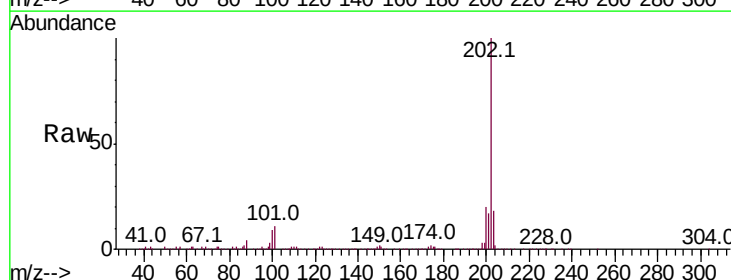
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-055-B

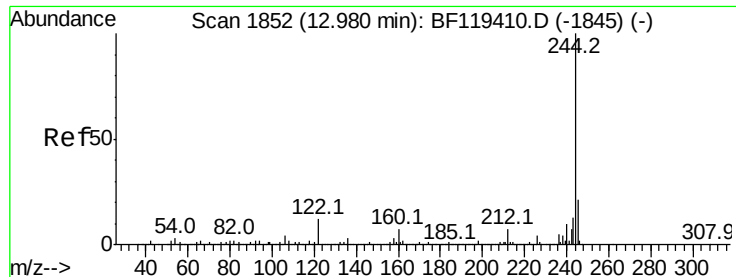
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.6	15.8#
236	24.9	20.2	30.2



#78
Pyrene
Concen: 10.449 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF119815.D
Acq: 7 Apr 2020 12:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.8	25.2
203	17.6	15.1	22.7



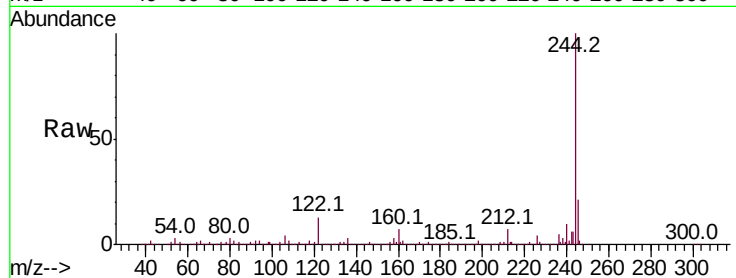


#79
 Terphenyl-d14
 Concen: 97.437 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

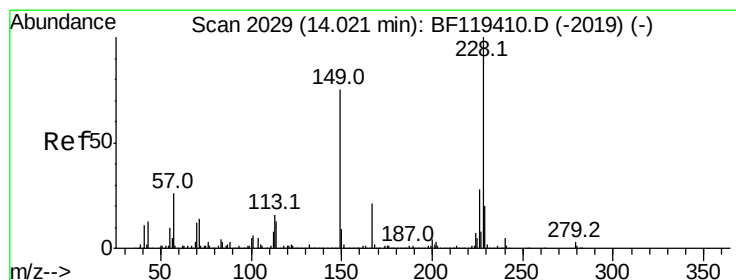
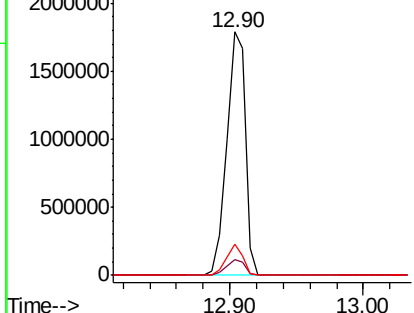
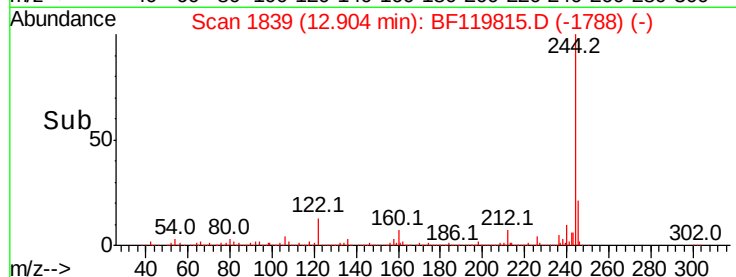
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-055-B

Tot Ion:244 Resp: 1770264

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	12.9	10.3	15.5



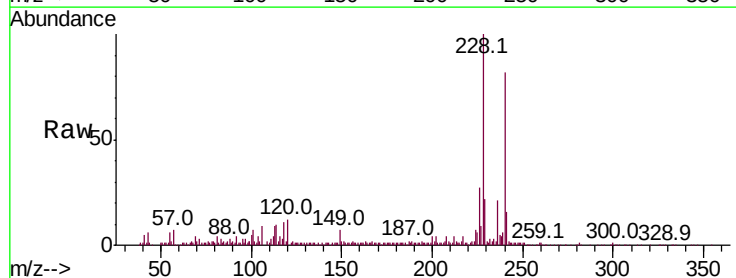
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



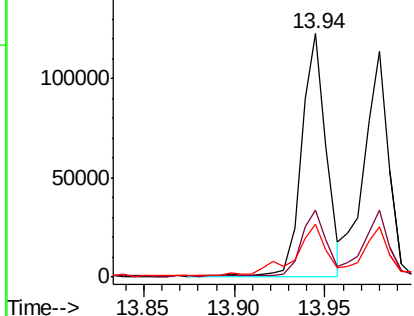
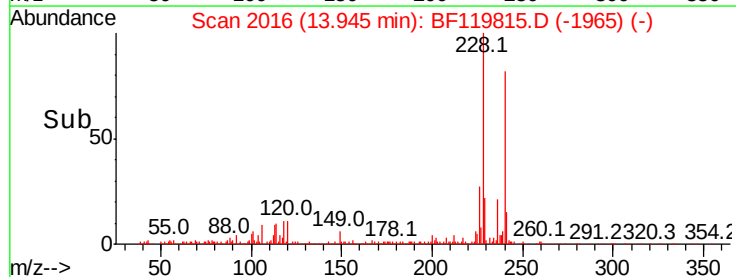
#81
 Benzo(a)anthracene
 Concen: 4.998 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF119815.D
 Acq: 7 Apr 2020 12:08

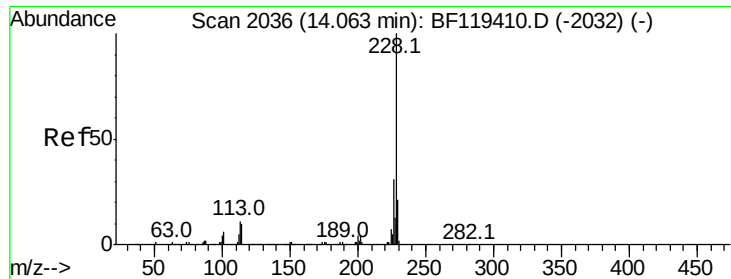
Tgt Ion:228 Resp: 115685

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	21.9	16.2	24.4



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: 4.198 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-B

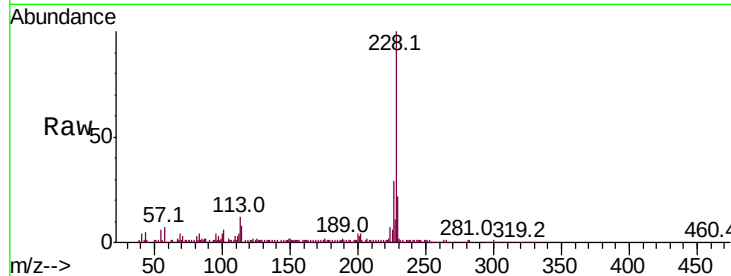
Tot Ion:228 Resp: 100287

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.0

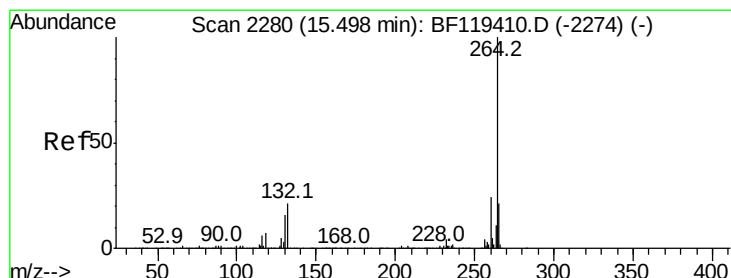
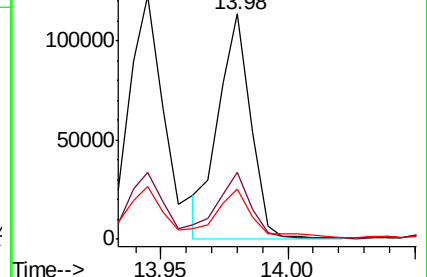
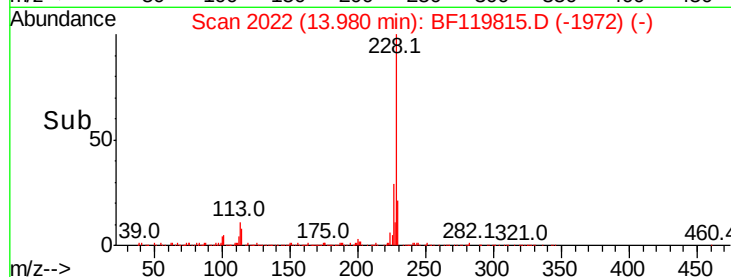
229 22.4 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.00 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

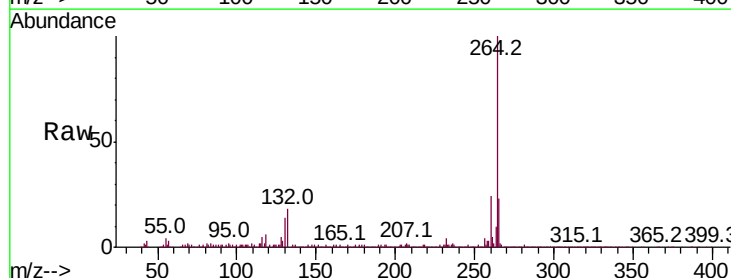
Tgt Ion:264 Resp: 342268

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

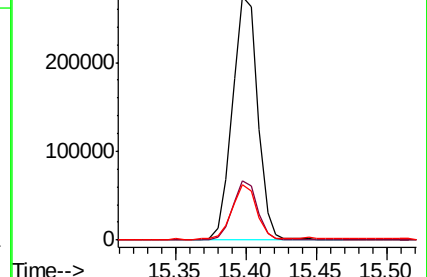
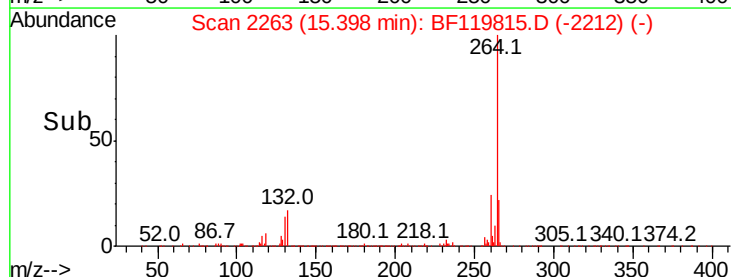
265 22.8 17.7 26.5

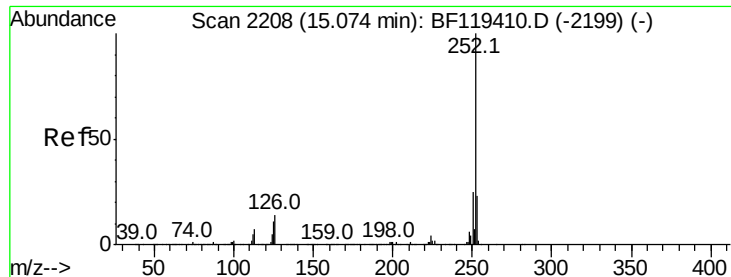


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 6.574 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.01 min

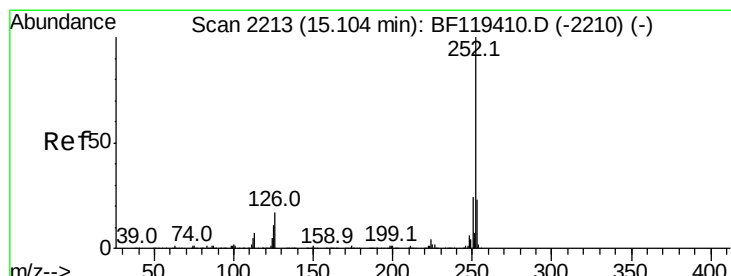
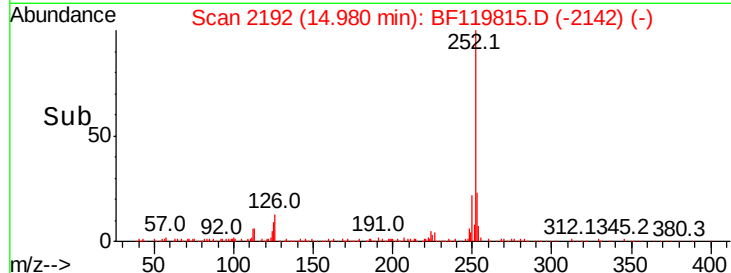
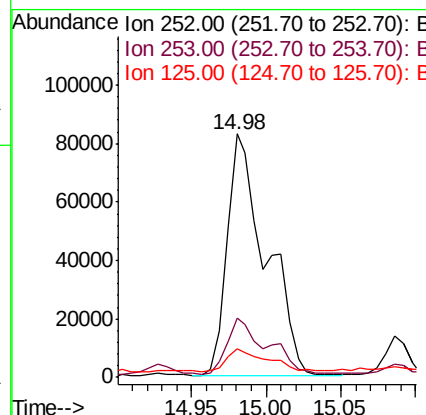
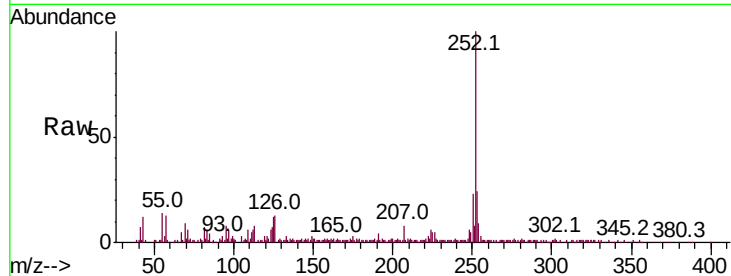
Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

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

Tot Ion:252 Resp: 150306

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	11.8	7.9	11.9



#89

Benzo(k)fluoranthene

Concen: 6.904 ng

RT: 14.98 min Scan# 2192

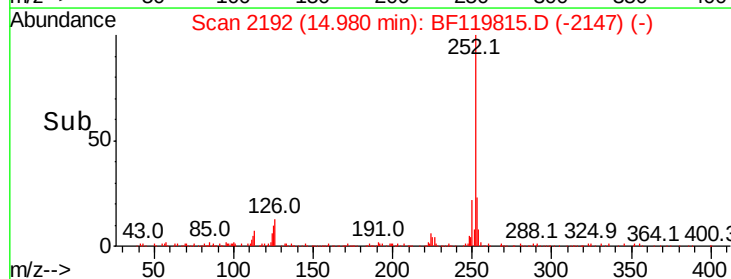
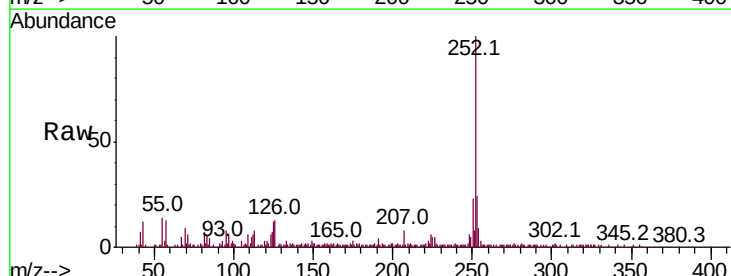
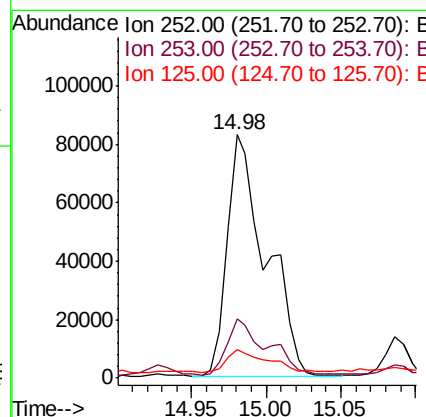
Delta R.T. -0.04 min

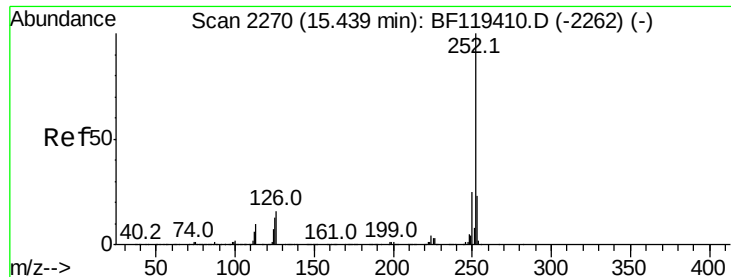
Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

Tgt Ion:252 Resp: 150306

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	11.8	8.4	12.6





#90

Benzo(a)pyrene

Concen: 3.570 ng

RT: 15.34 min Scan# 2253

Delta R.T. -0.01 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-055-B

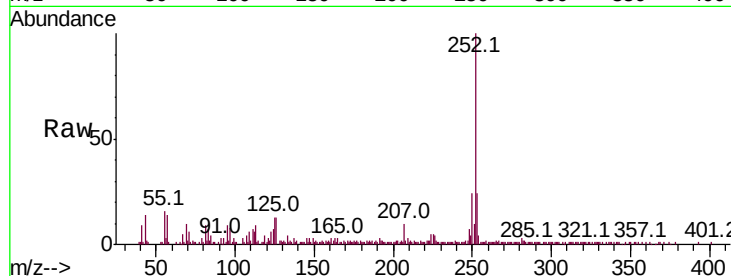
Tot Ion:252 Resp: 74174

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

125 13.3 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

80000

60000

40000

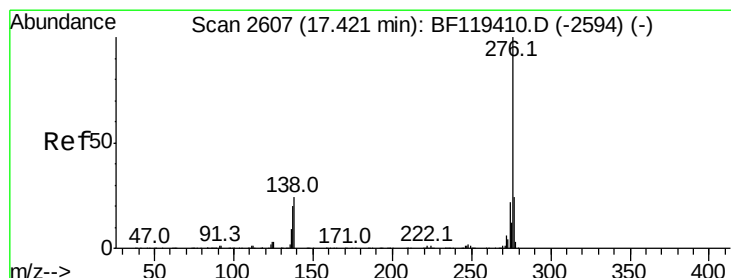
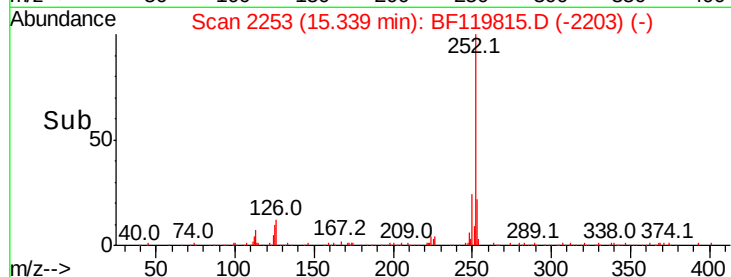
20000

0

15.34

15.35

Time-->



#92

Benzo(g,h,i)perylene

Concen: 2.079 ng

RT: 17.25 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF119815.D

Acq: 7 Apr 2020 12:08

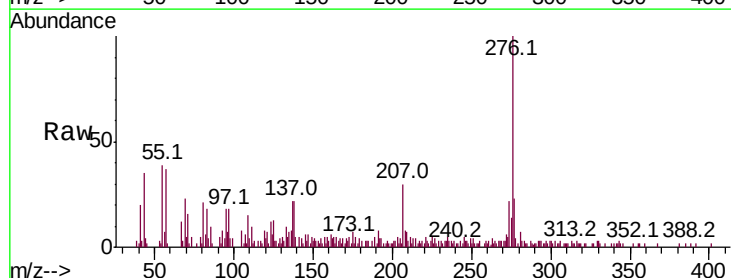
Tgt Ion:276 Resp: 37951

Ion Ratio Lower Upper

276 100

277 23.0 18.4 27.6

138 21.9 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

25000

20000

15000

10000

5000

0

17.25

17.30

17.40

Time-->

