

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040620\
 Data File : BF119812.D
 Acq On : 7 Apr 2020 10:48
 Operator : MA/SJ
 Sample : L2147-01
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: Apr 07 11:18:35 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	172706	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	640769	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	308334	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	554347	20.00	ng	0.00
76) Chrysene-d12	13.95	240	387656	20.00	ng	0.00
87) Perylene-d12	15.40	264	381200	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1041148	95.97	ng	0.00
7) Phenol-d6	6.41	99	1328039	95.83	ng	0.00
23) Nitrobenzene-d5	7.35	82	798084	67.69	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	331551	104.23	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1382587	66.43	ng	0.00
79) Terphenyl-d14	12.90	244	1359693	68.72	ng	0.00

Target Compounds

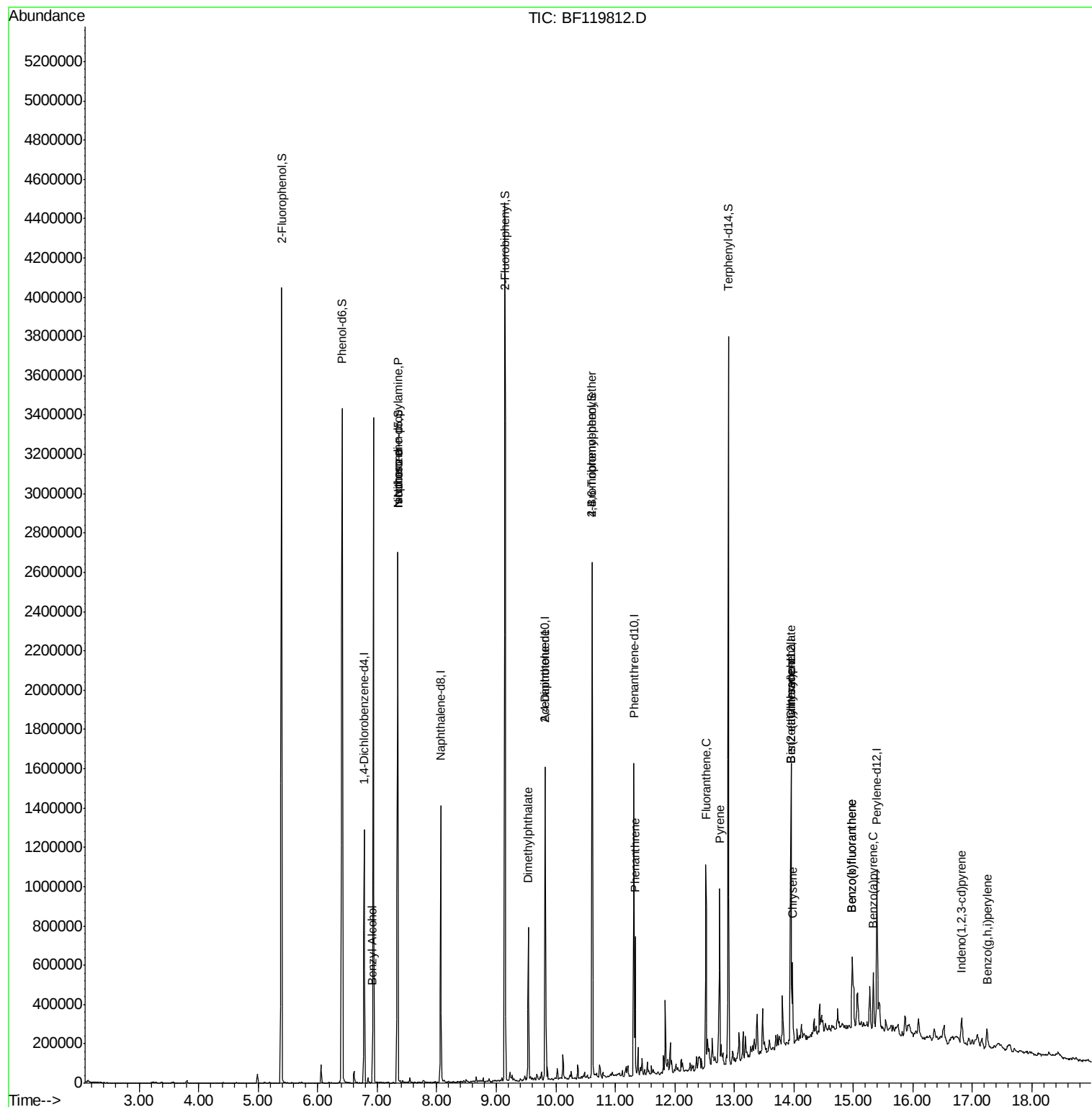
						Qvalue
15) Benzyl Alcohol	6.92	79	42628	4.089	ng	96
19) n-Nitroso-di-n-propylamine	7.35	70	103952	12.444	ng	# 74
25) Isophorone	7.35	82	795108	33.245	ng	# 65
50) Dimethylphthalate	9.54	163	264715	12.087	ng	98
57) 2,4-Dinitrotoluene	9.82	165	39285	6.643	ng	# 20
67) 4-Bromophenyl-phenylether	10.62	248	19115	3.028	ng	# 1
71) Phenanthrene	11.33	178	223189	7.765	ng	98
75) Fluoranthene	12.52	202	404716	13.010	ng	96
78) Pyrene	12.75	202	355929	11.188	ng	97
81) Benzo(a)anthracene	13.94	228	169903	6.740	ng	98
83) Chrysene	13.97	228	156384	6.011	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	92649	6.040	ng	99
86) Indeno(1,2,3-cd)pyrene	16.82	276	83889	3.424	ng	94
88) Benzo(b)fluoranthene	14.98	252	266564	10.468	ng	98
89) Benzo(k)fluoranthene	14.98	252	266564	10.994	ng	99
90) Benzo(a)pyrene	15.33	252	137138	5.926	ng	99
92) Benzo(a,h,i)perylene	17.24	276	78980	3.884	ng	# 92

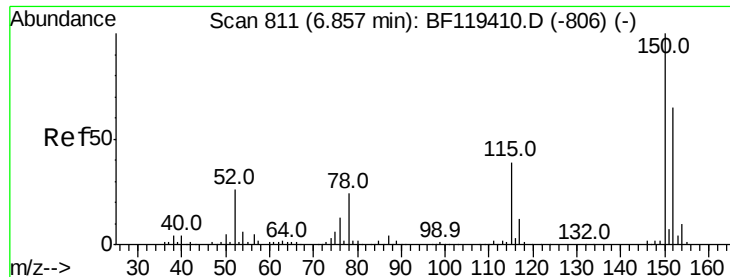
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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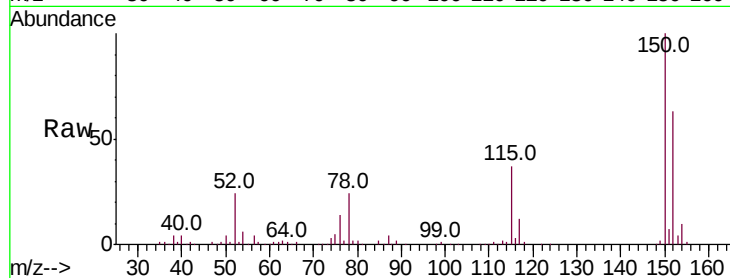


#1

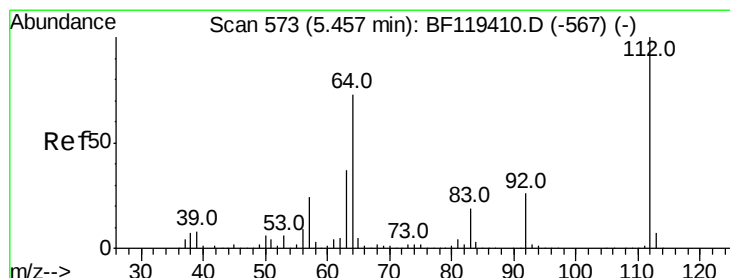
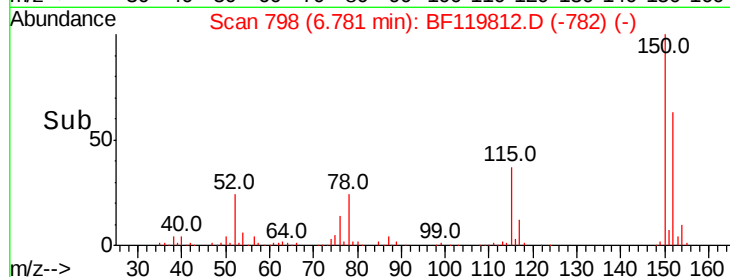
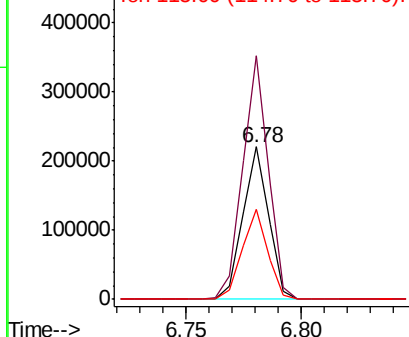
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

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

Tot Ion:152 Resp: 172706
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.5 186.7
 115 59.2 49.6 74.4



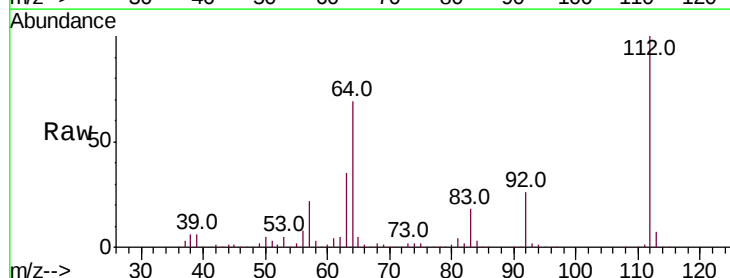
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



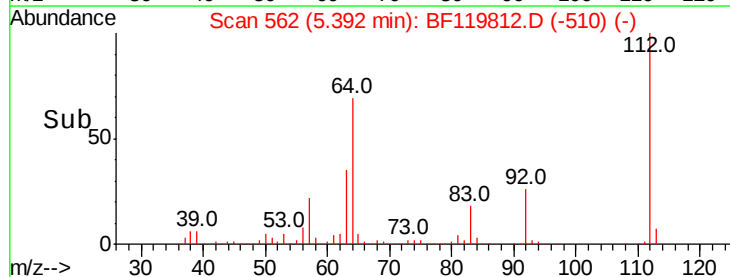
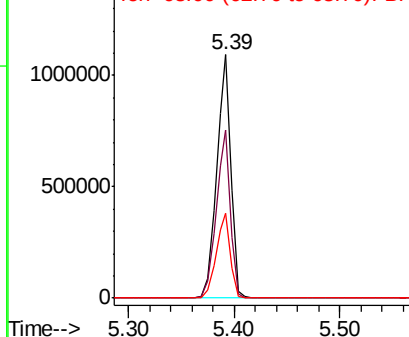
#5

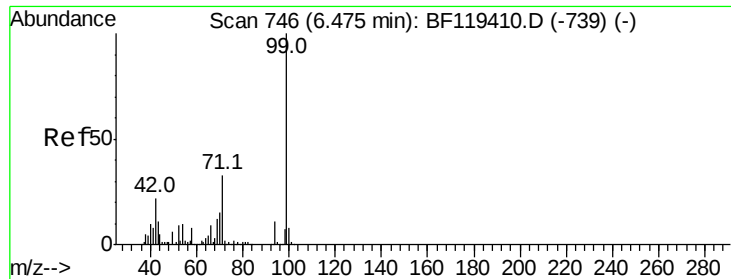
2-Fluorophenol
 Concen: 95.967 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

Tgt Ion:112 Resp: 1041148
 Ion Ratio Lower Upper
 112 100
 64 69.0 56.7 85.1
 63 35.1 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: 95.826 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-A

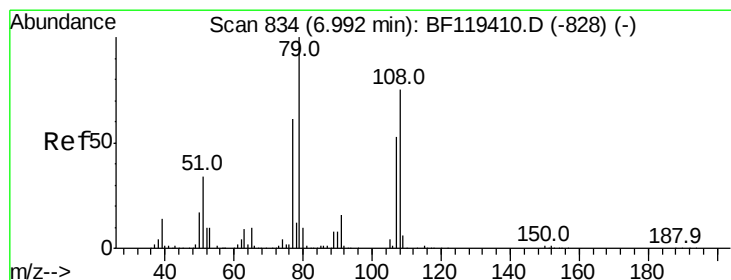
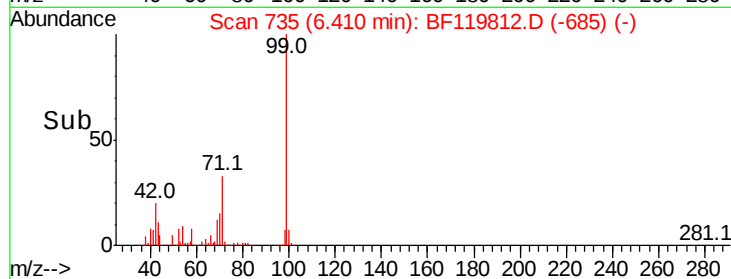
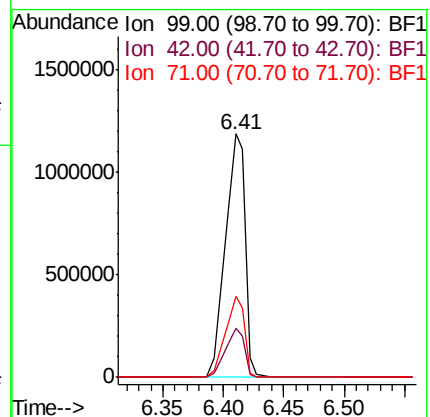
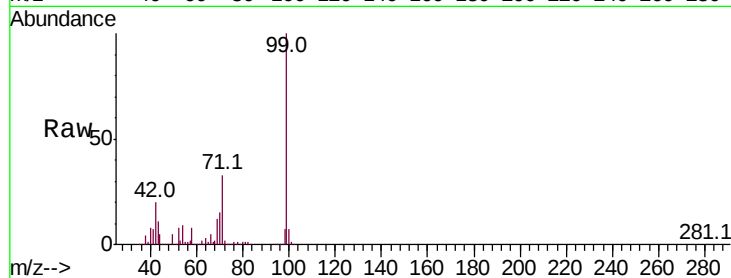
Tot Ion: 99 Resp: 1328039

Ion Ratio Lower Upper

99 100

42 20.1 16.6 24.8

71 33.2 26.4 39.6



#15

Benzyl Alcohol

Concen: 4.089 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

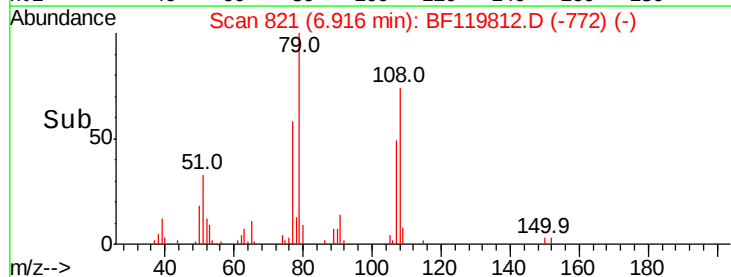
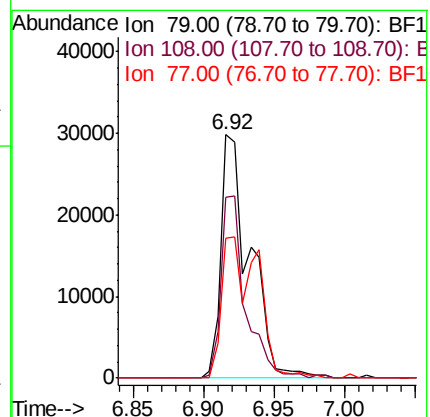
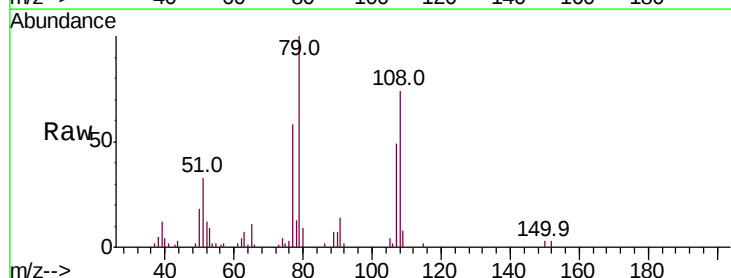
Tgt Ion: 79 Resp: 42628

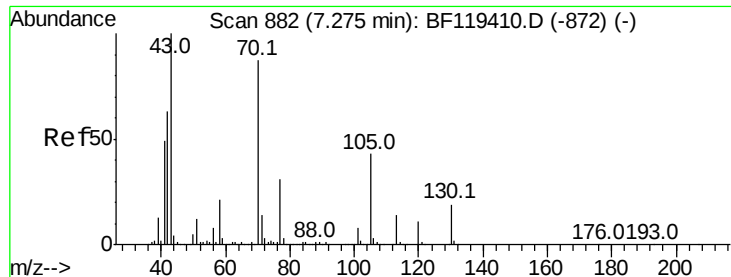
Ion Ratio Lower Upper

79 100

108 74.2 60.6 90.8

77 57.7 50.2 75.2

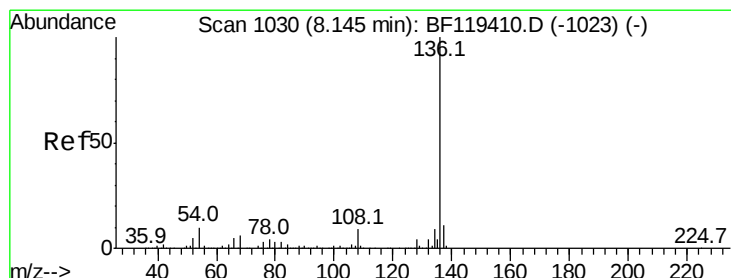
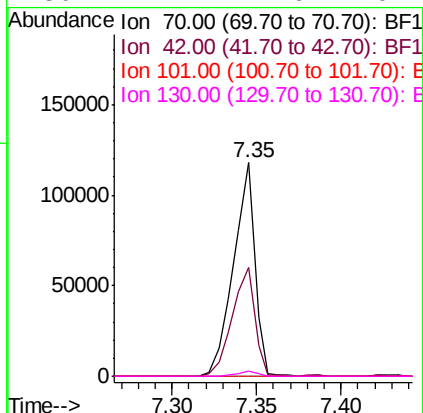
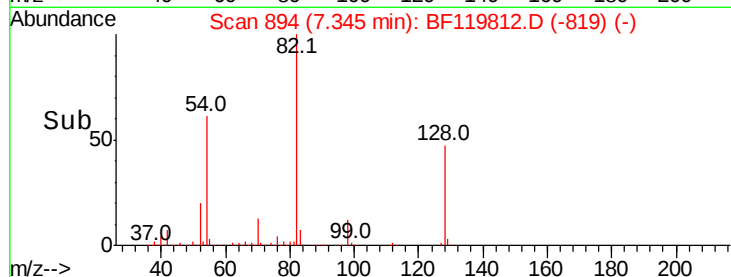
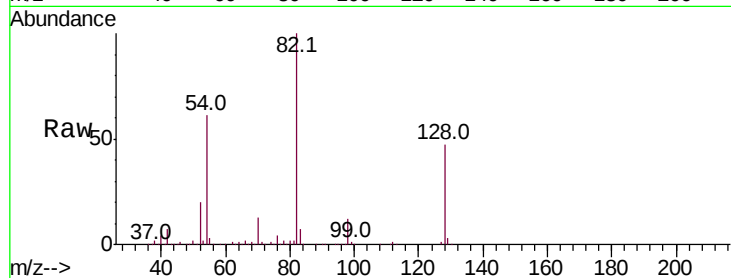




#19
n-Nitroso-di-n-propylamine
Concen: 12.444 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

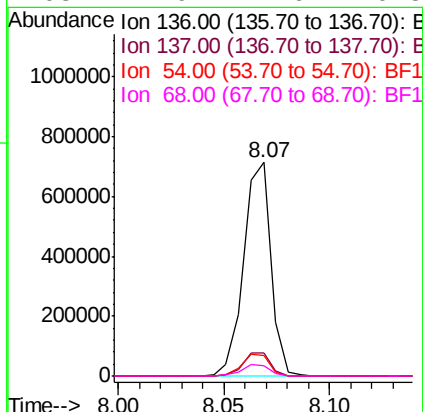
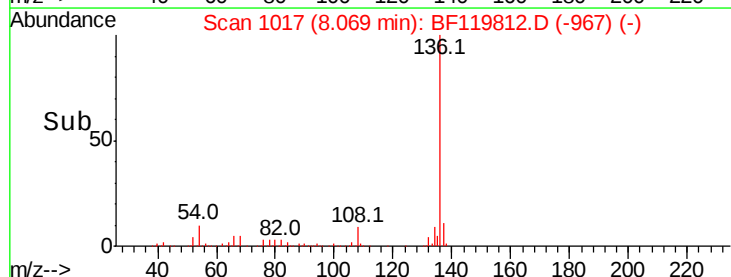
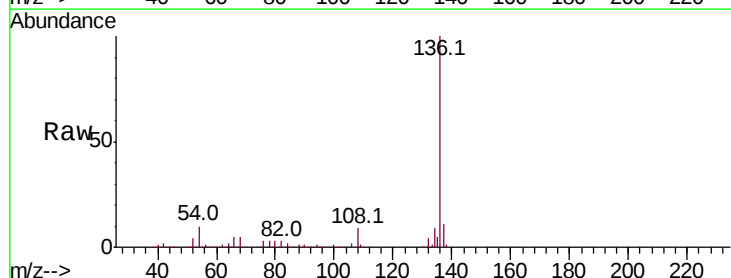
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-A

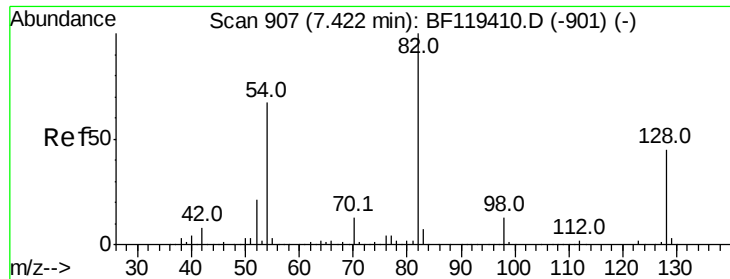
Tot Ion: 70 Resp: 103952
Ion Ratio Lower Upper
70 100
42 51.1 54.5 81.7#
101 0.0 7.6 11.4#
130 2.2 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

Tgt Ion:136 Resp: 640769
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.5 9.1 13.7
68 4.9 4.6 6.8

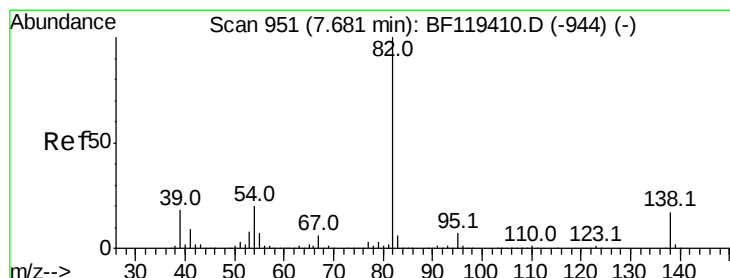
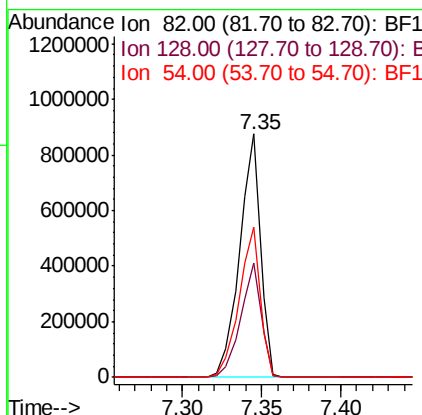
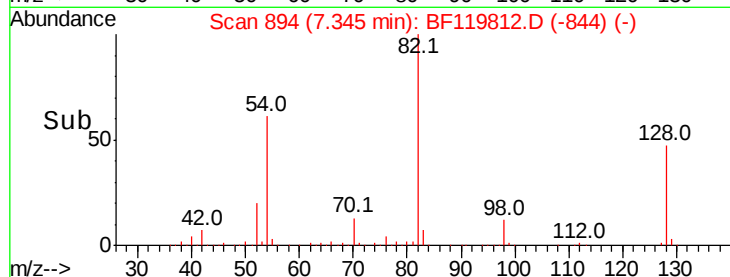
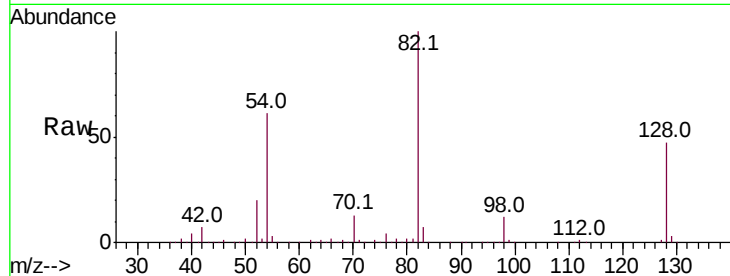




#23
 Nitrobenzene-d5
 Concen: 67.691 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

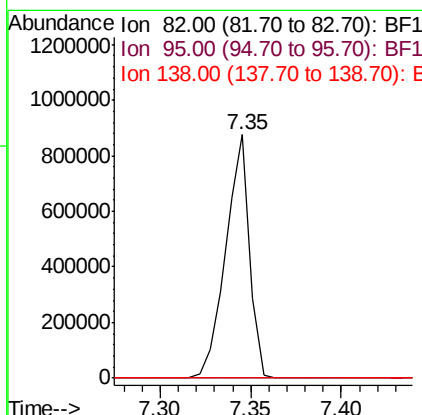
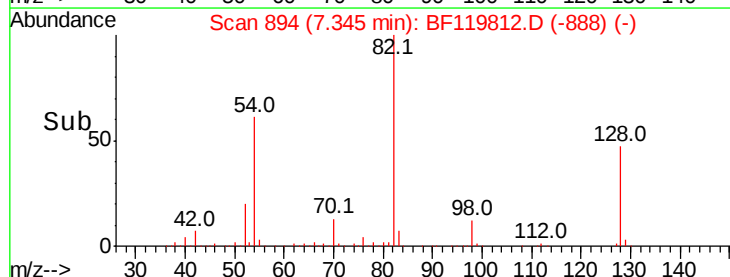
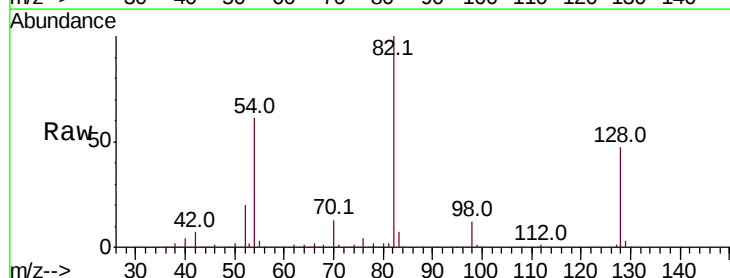
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-A

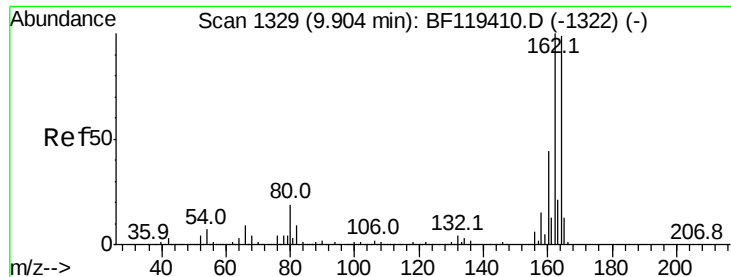
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.3	54.5
54	61.5	50.6	75.8



#25
 Isophorone
 Concen: 33.245 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.6#
138	0.0	14.6	21.8#

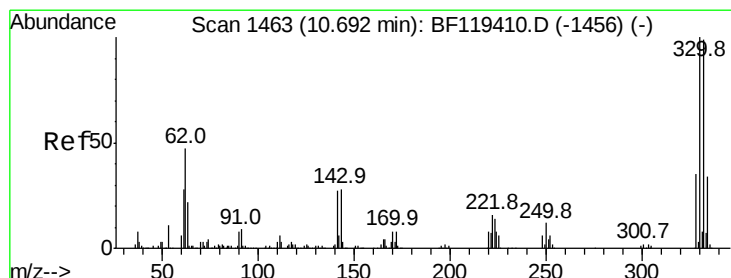
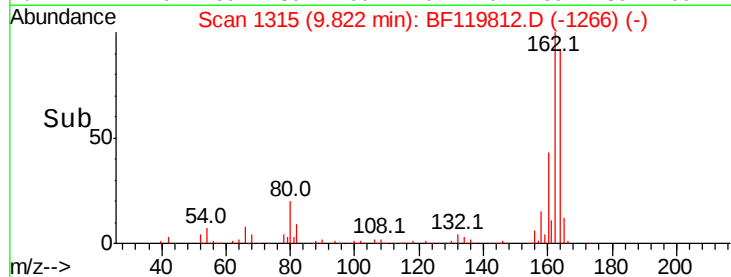
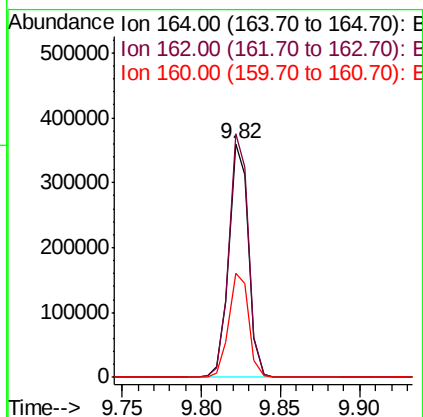
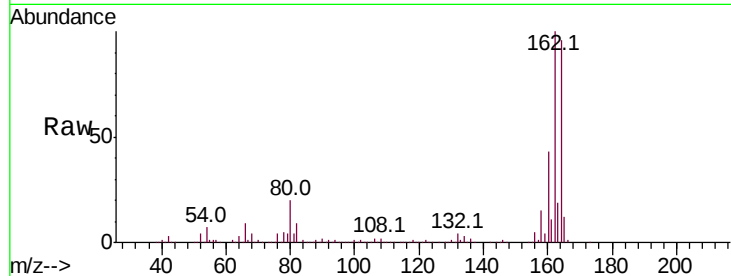




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

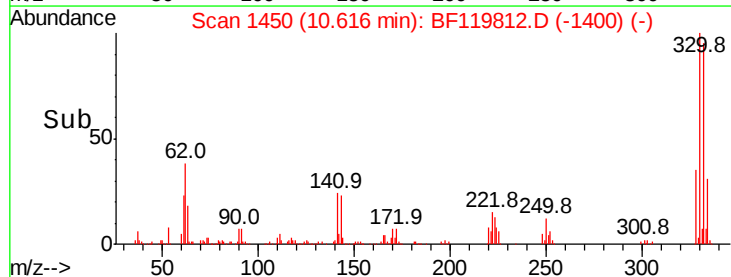
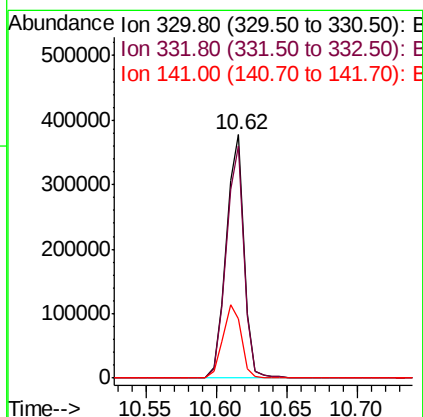
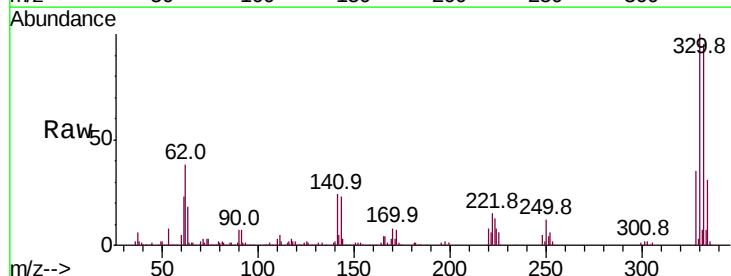
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 BNA_F
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 FK-GF-02-056-A

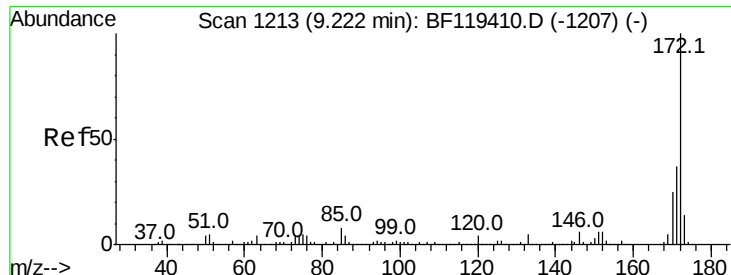
Tot Ion:164 Resp: 308334
 Ion Ratio Lower Upper
 164 100
 162 104.0 80.6 121.0
 160 44.2 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 104.229 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

Tgt Ion:330 Resp: 331551
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.7 113.5
 141 31.8 25.4 38.0



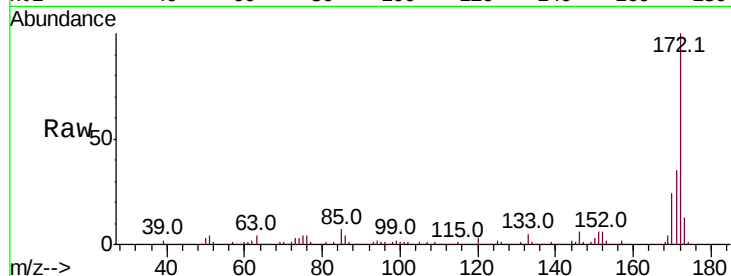


#45
 2-Fluorobiphenyl
 Concen: 66.430 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

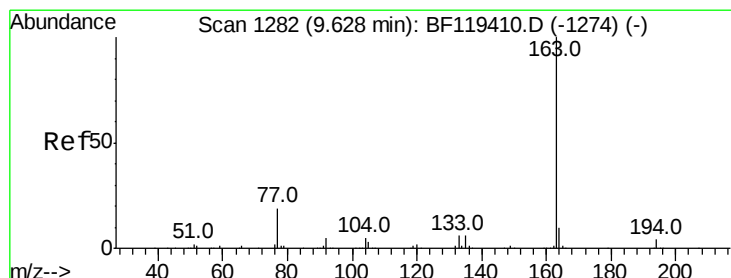
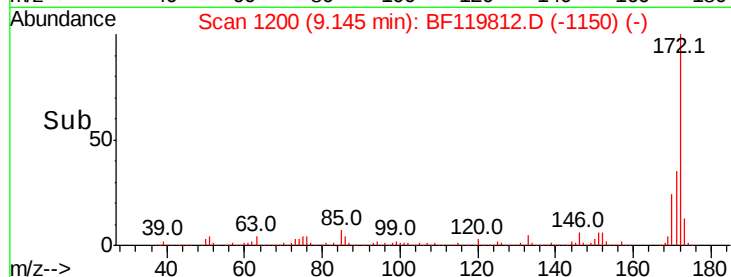
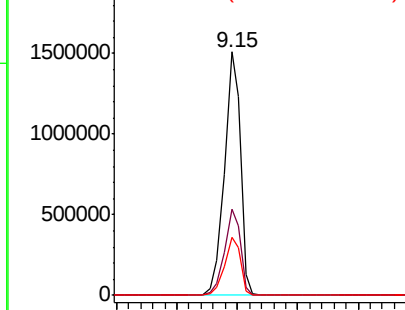
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-A

Tot Ion:172 Resp: 1382587

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.1	20.2	30.2



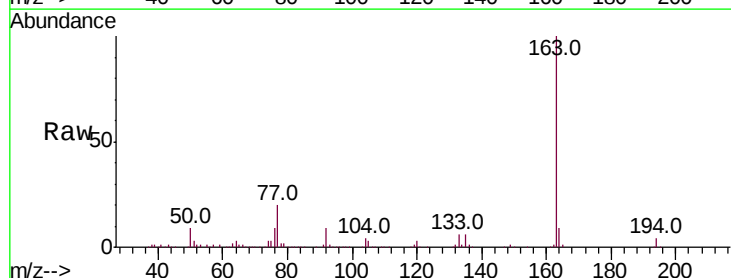
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



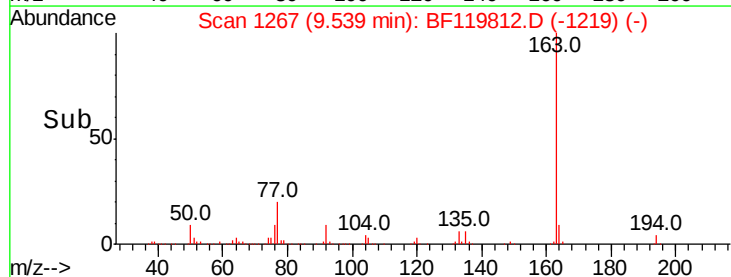
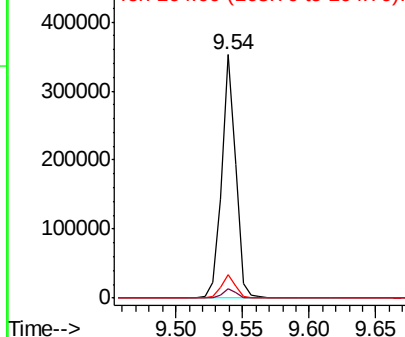
#50
 Dimethylphthalate
 Concen: 12.087 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

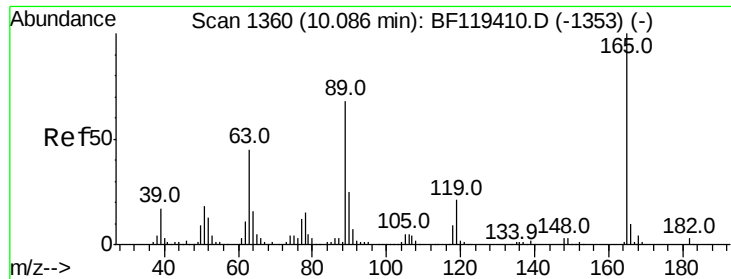
Tgt Ion:163 Resp: 264715

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	9.4	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

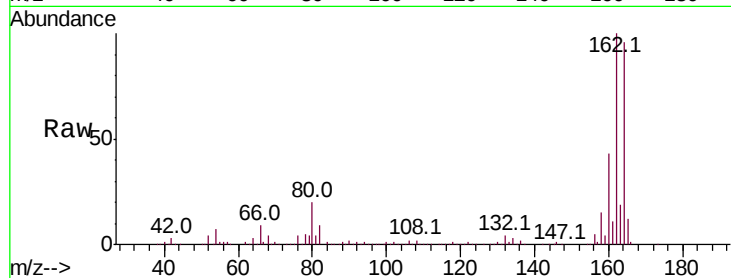




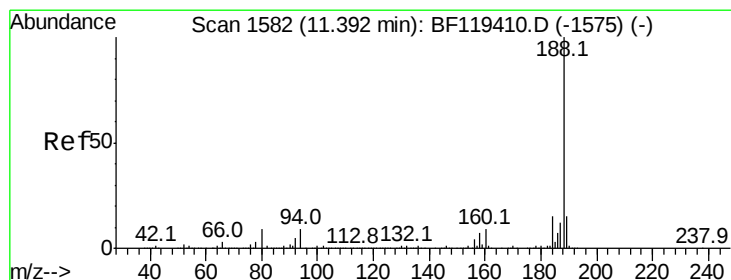
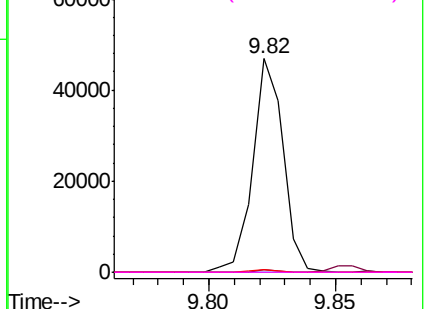
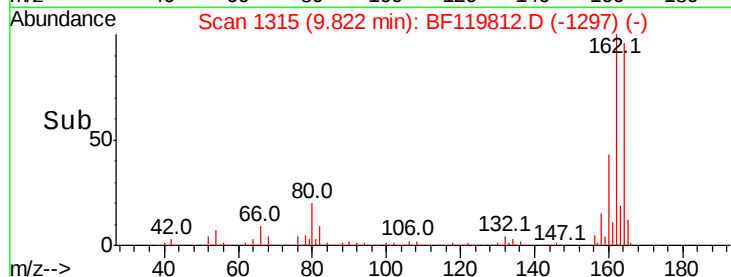
#57
2,4-Dinitrotoluene
Concen: 6.643 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

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

Tot Ion:165 Resp: 39285
Ion Ratio Lower Upper
165 100
63 1.3 42.6 64.0#
89 1.3 61.0 91.4#
182 0.0 2.2 3.2#

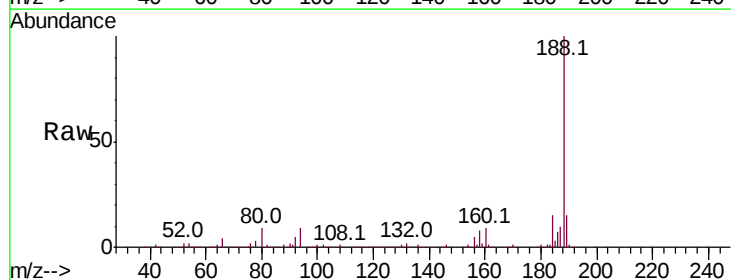


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

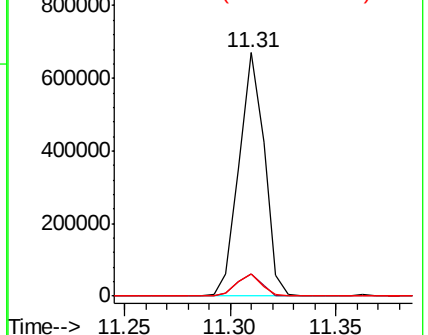
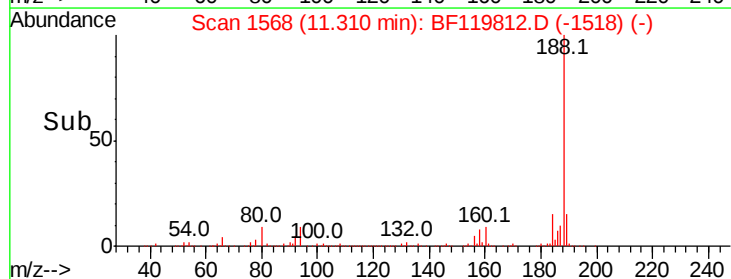


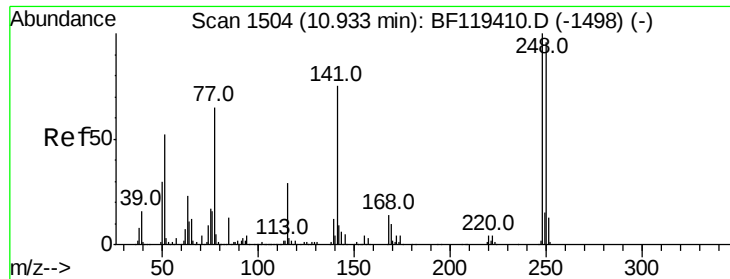
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

Tgt Ion:188 Resp: 554347
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 9.4 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

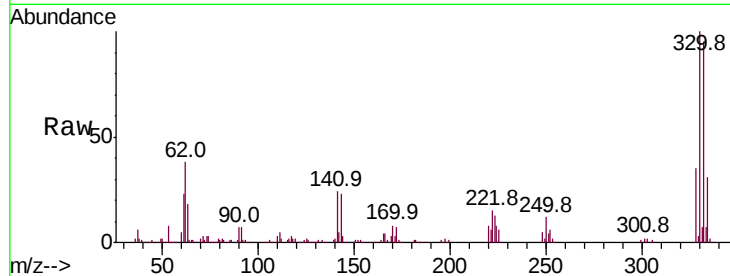




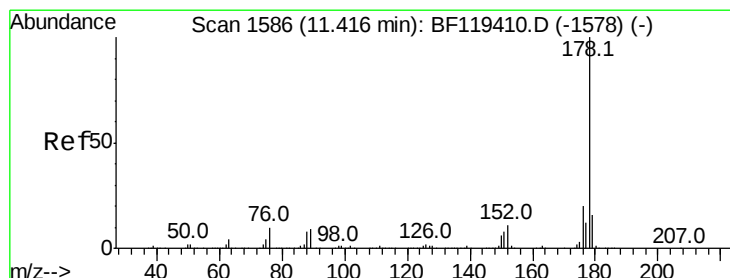
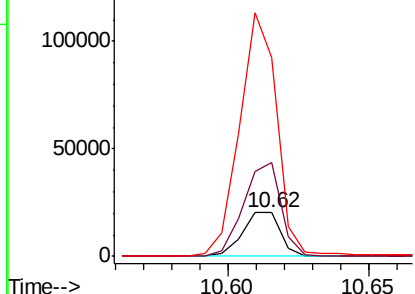
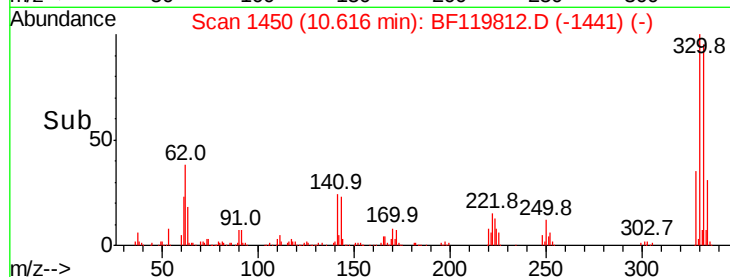
#67
 4-Bromophenyl-phenylether
 Concen: 3.028 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

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

Tot Ion:248 Resp: 19115
 Ion Ratio Lower Upper
 248 100
 250 215.6 77.3 115.9#
 141 455.2 58.6 87.8#

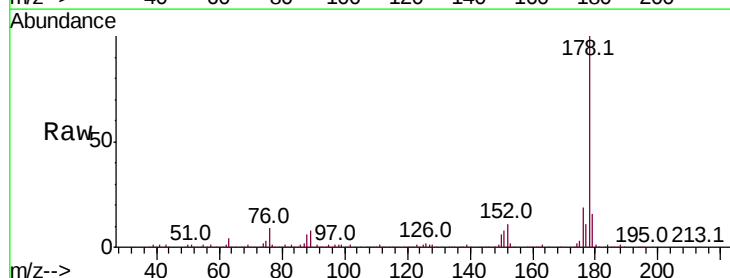


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

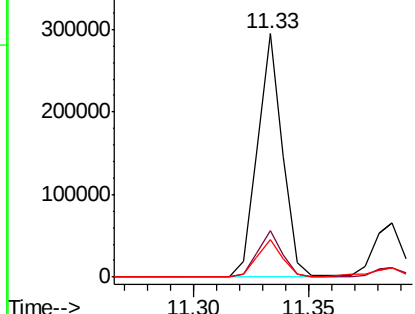
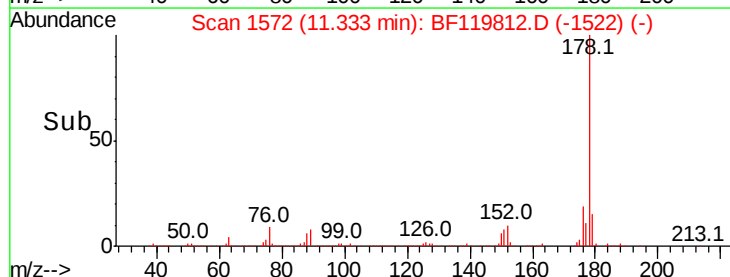


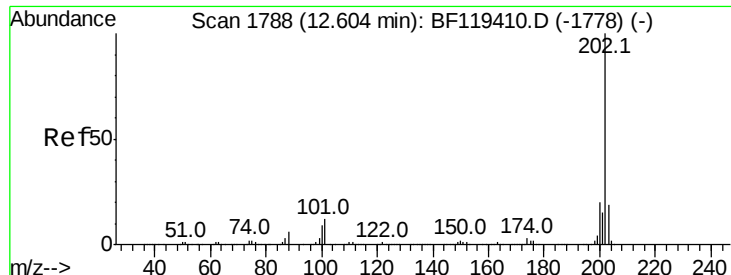
#71
 Phenanthrene
 Concen: 7.765 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF119812.D
 Acq: 7 Apr 2020 10:48

Tgt Ion:178 Resp: 223189
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.6 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: 13.010 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-A

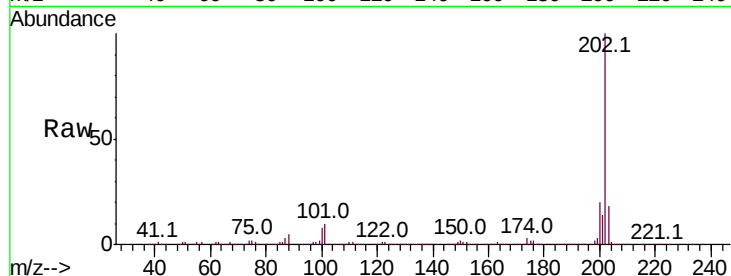
Tot Ion:202 Resp: 404716

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.2

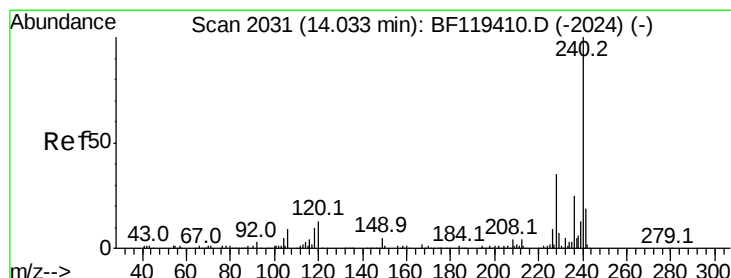
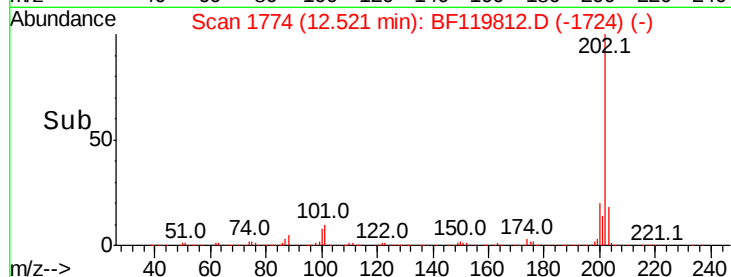
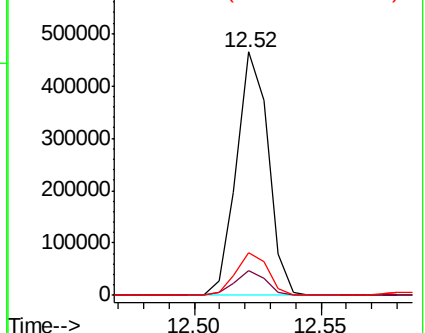
203 17.7 0.0 38.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

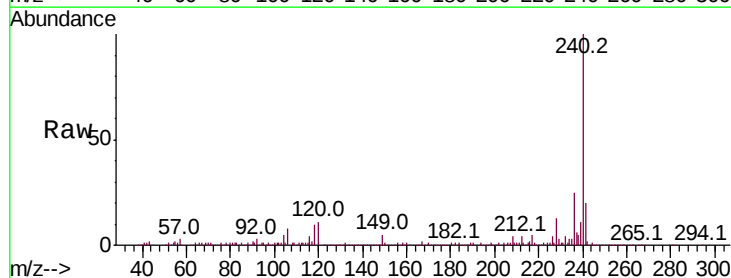
Tgt Ion:240 Resp: 387656

Ion Ratio Lower Upper

240 100

120 10.7 10.6 15.8

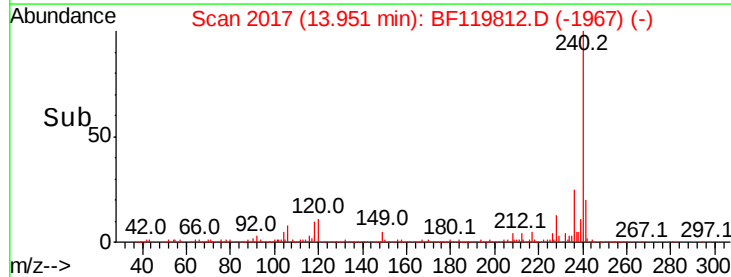
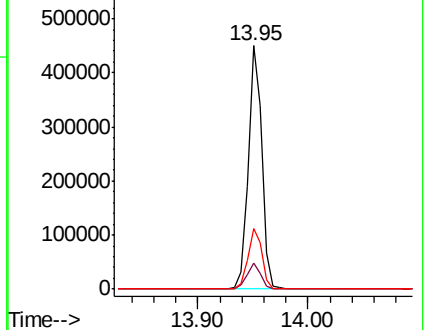
236 25.1 20.2 30.2

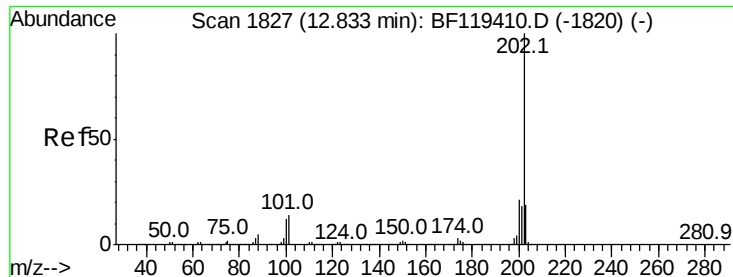


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

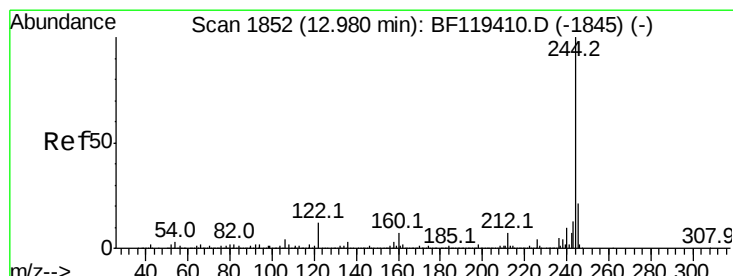
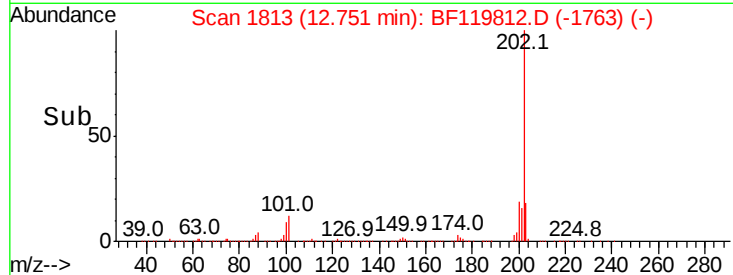
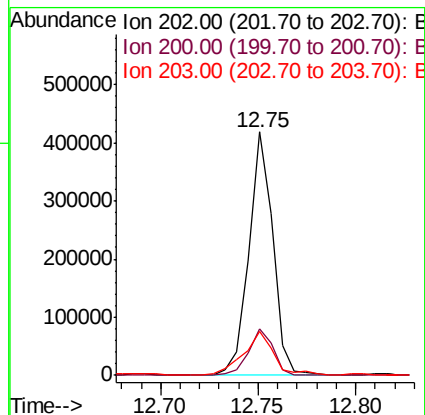
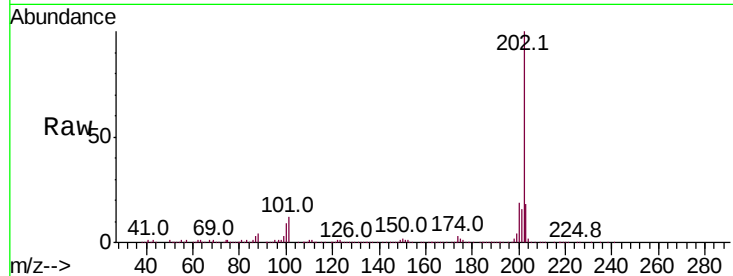




#78
Pvrene
Concen: 11.188 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

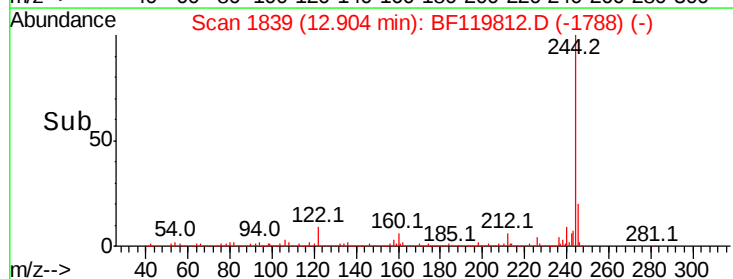
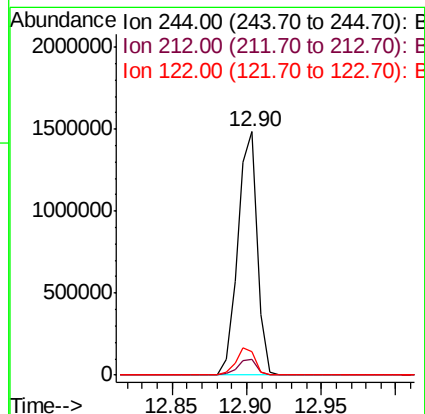
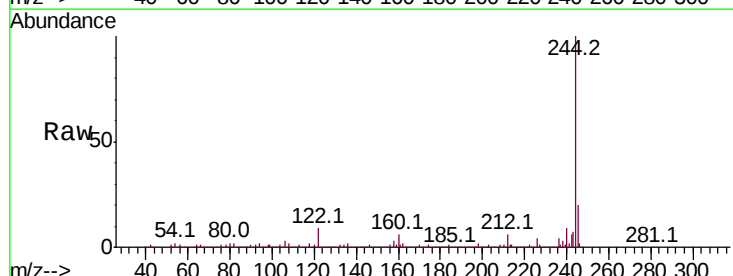
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-A

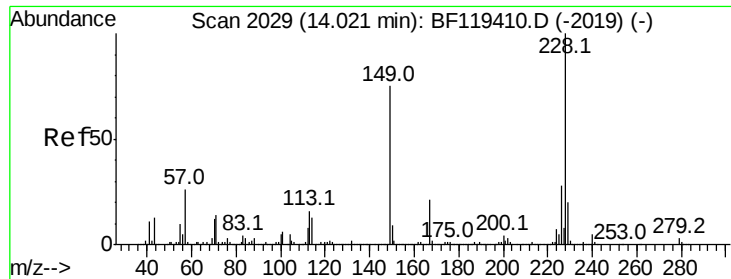
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.1	16.8	25.2
203	17.8	15.1	22.7



#79
Terphenyl-d14
Concen: 68.719 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	9.5	10.3	15.5#





#81

Benzo(a)anthracene

Concen: 6.740 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-A

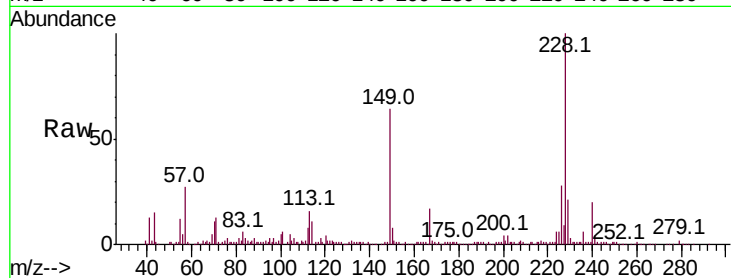
Tot Ion:228 Resp: 169903

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

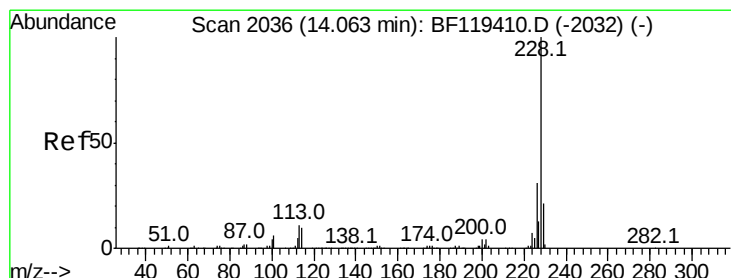
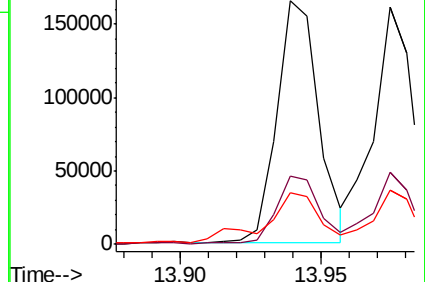
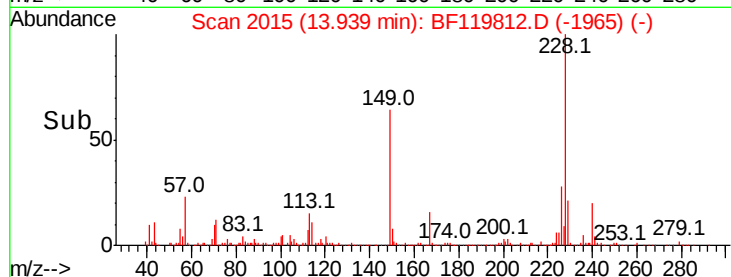
229 21.3 16.2 24.4



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: 6.011 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

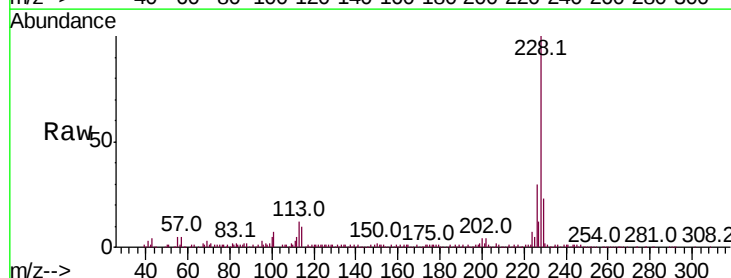
Tgt Ion:228 Resp: 156384

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.0

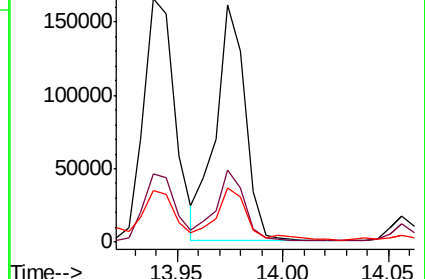
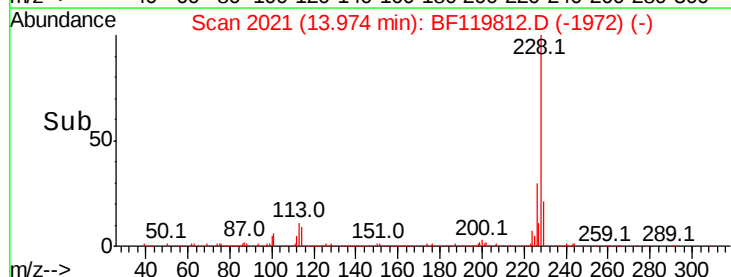
229 22.6 16.6 24.8

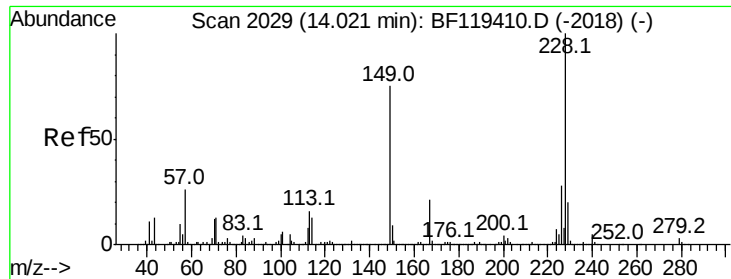


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.040 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-A

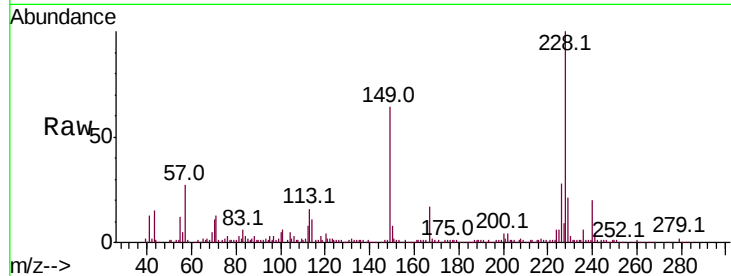
Tot Ion:149 Resp: 92649

Ion Ratio Lower Upper

149 100

167 25.8 21.3 31.9

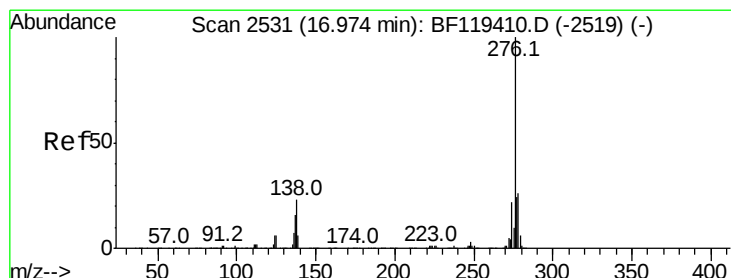
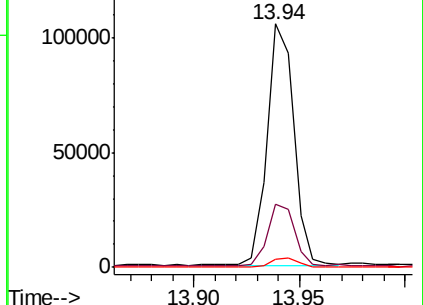
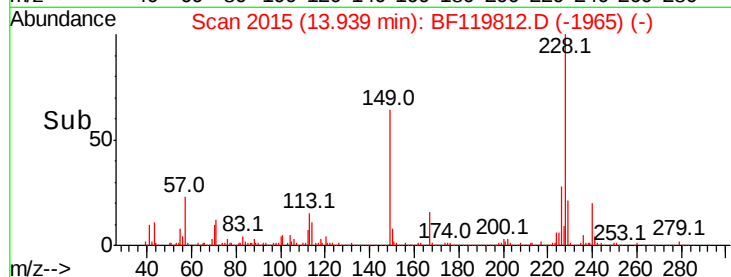
279 3.3 2.7 4.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.424 ng

RT: 16.82 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

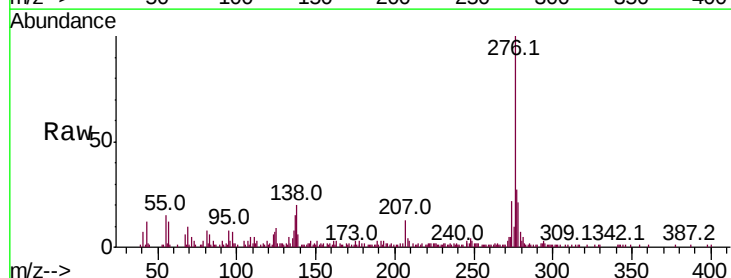
Tgt Ion:276 Resp: 83889

Ion Ratio Lower Upper

276 100

138 19.6 19.6 29.4

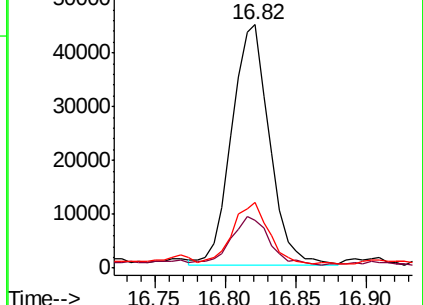
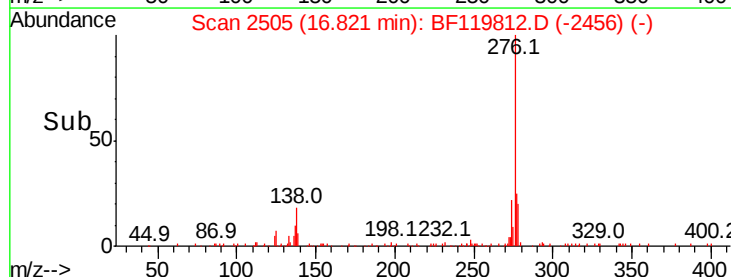
277 23.8 20.0 30.0

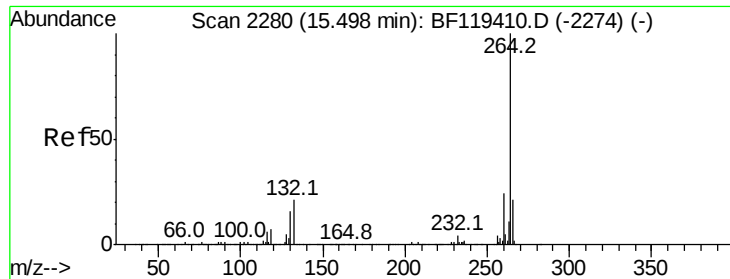


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

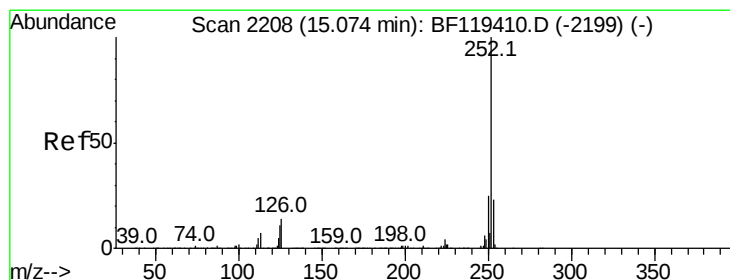
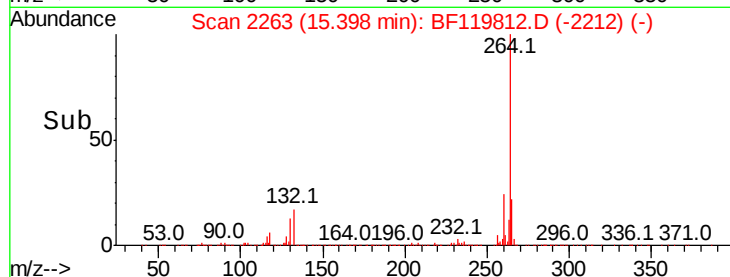
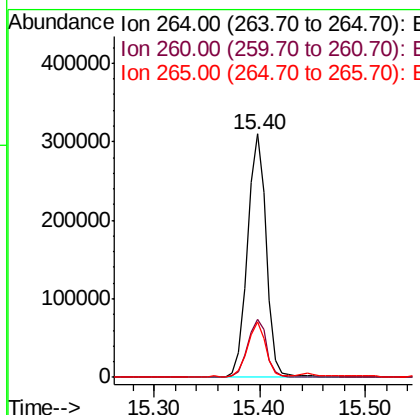
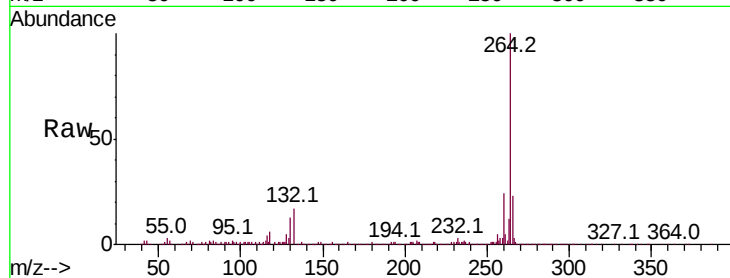




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

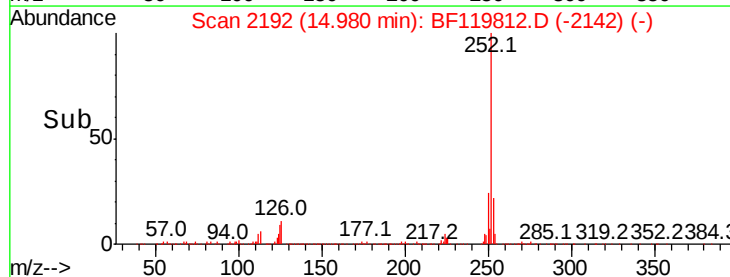
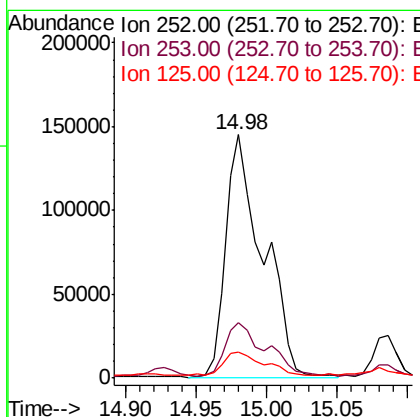
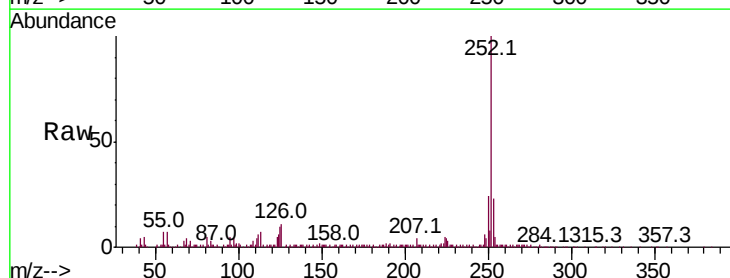
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-A

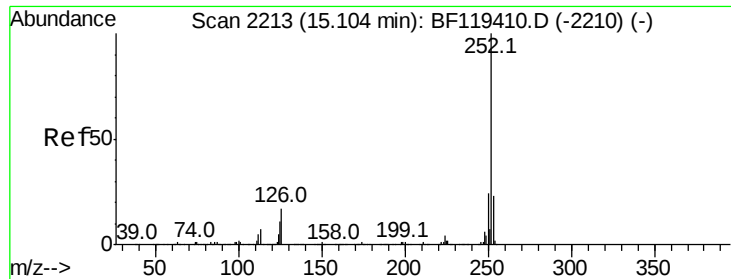
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.5	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 10.468 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.4	7.9	11.9

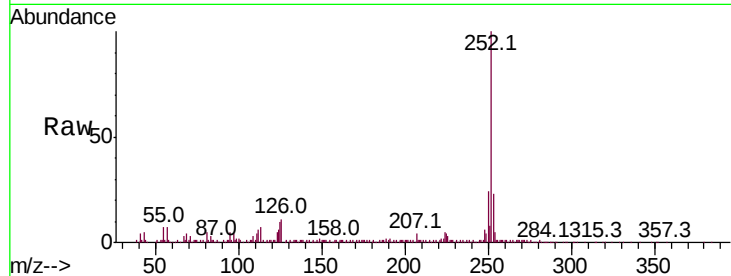




#89
Benzo(k)fluoranthene
Concen: 10.994 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.04 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	10.4	8.4	12.6

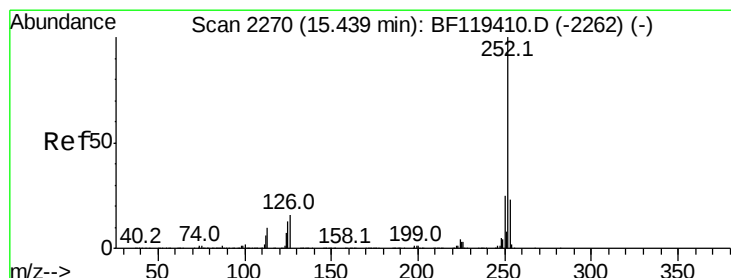
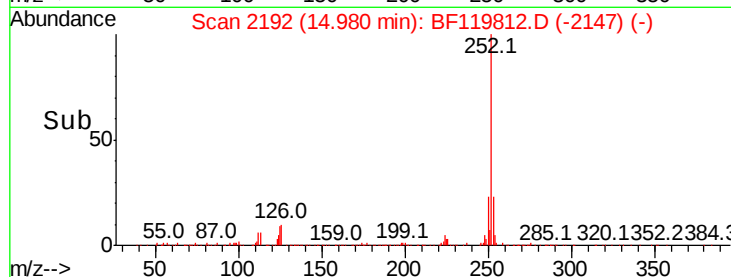
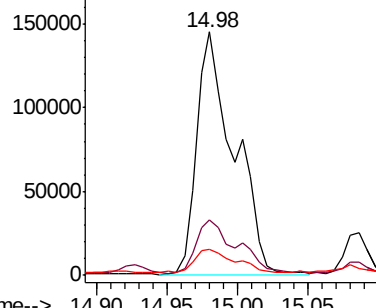


Abundance

Ion 252.00 (251.70 to 252.70): E

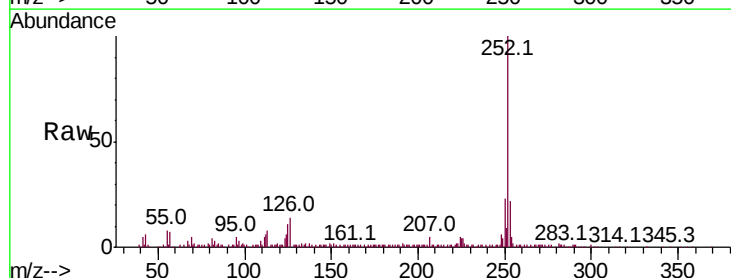
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 5.926 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF119812.D
Acq: 7 Apr 2020 10:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	11.1	9.4	14.2

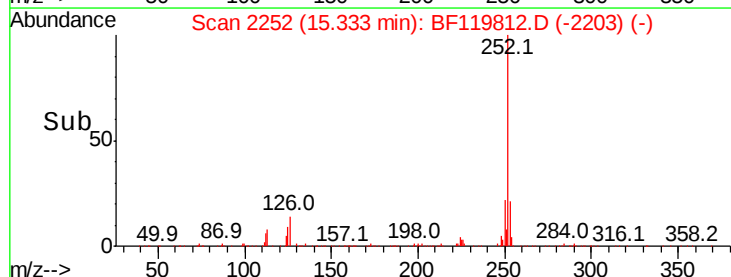
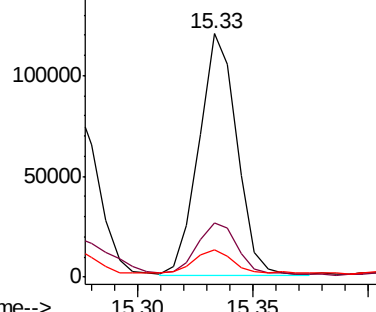


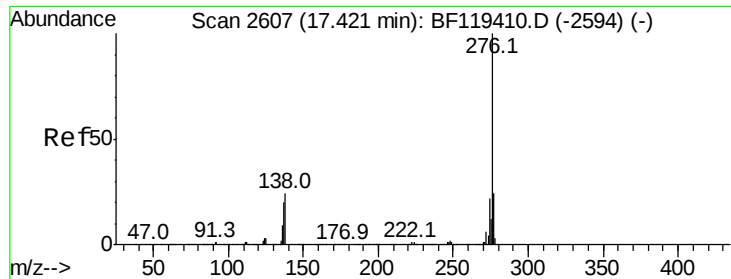
Abundance

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(a,h,i)perylene

Concen: 3.884 ng

RT: 17.24 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF119812.D

Acq: 7 Apr 2020 10:48

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-A

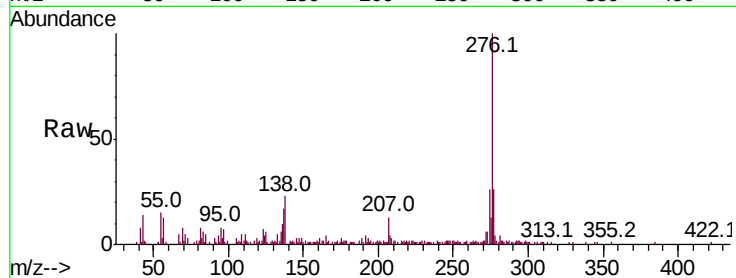
Tot Ion:276 Resp: 78980

Ion Ratio Lower Upper

276 100

277 26.5 18.4 27.6

138 23.5 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

