

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115321.D
 Acq On : 29 Jun 2019 14:27
 Operator : HP/JU
 Sample : K3530-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

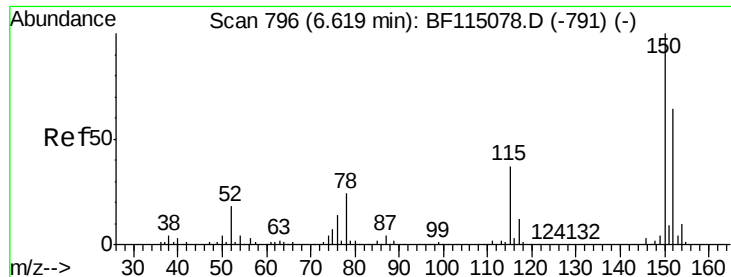
Quant Time: Jun 30 01:44:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	182581	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	710110	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	353858	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	719311	20.00	ng	0.00
76) Chrysene-d12	13.71	240	615423	20.00	ng	0.00
87) Perylene-d12	15.08	264	631356	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1092516	92.34	ng	0.00
7) Phenol-d6	6.24	99	1397011	97.28	ng	0.00
23) Nitrobenzene-d5	7.16	82	810698	70.23	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	401661	107.64	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1511800	72.57	ng	0.00
79) Terphenyl-d14	12.68	244	1811639	62.59	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	105877	11.516	ng	# 77
25) Isophorone	7.16	82	810686	34.282	ng	# 63
50) Dimethylphthalate	9.35	163	176017	6.761	ng	98
57) 2,4-Dinitrotoluene	9.62	165	45607	5.877	ng	# 31
58) Fluorene	10.17	166	6073	Below Cal		95
65) 4,6-Dinitro-2-methylphenol	10.40	198	812	5.150	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	25851	3.315	ng	# 1
75) Fluoranthene	12.29	202	167481	4.334	ng	97
78) Pyrene	12.52	202	162191	3.429	ng	97
81) Benzo(a)anthracene	13.70	228	92714	2.100	ng	94
83) Chrysene	13.74	228	84806	2.097	ng	96
88) Benzo(b)fluoranthene	14.70	252	146832	3.727	ng	# 94
89) Benzo(k)fluoranthene	14.70	252	146832	4.156	ng	# 97
90) Benzo(a)pyrene	15.02	252	77870	2.193	ng	# 96

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

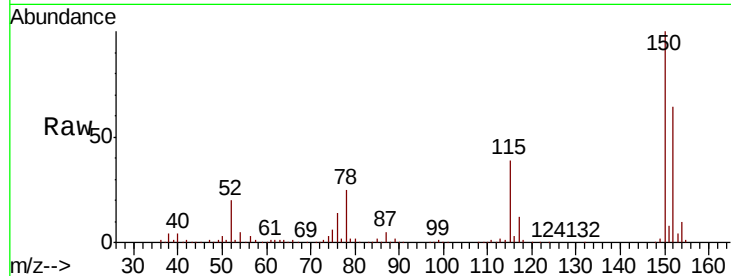


#1

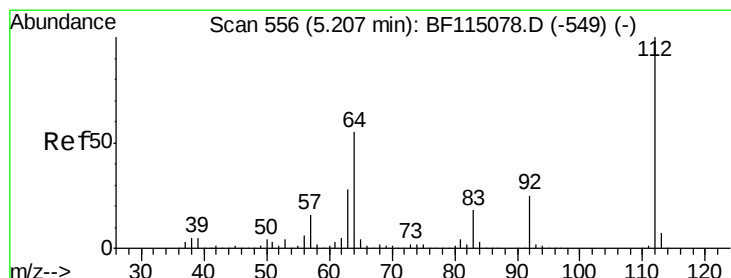
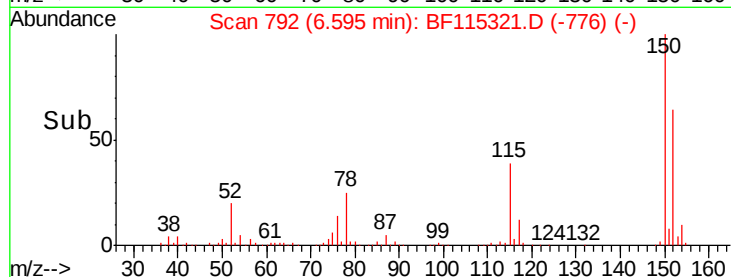
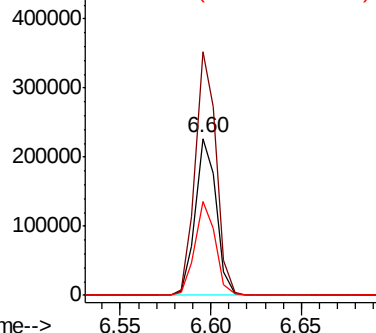
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

Tgt Ion:152 Resp: 182581
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.2 186.2
 115 60.2 46.1 69.1



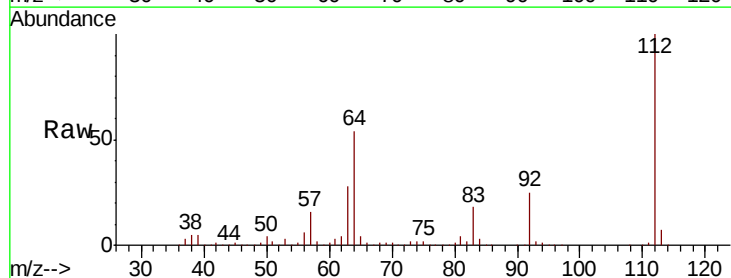
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



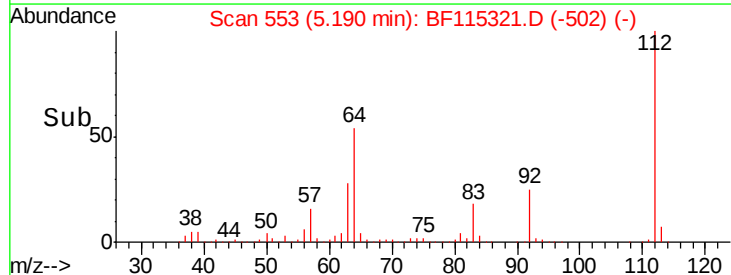
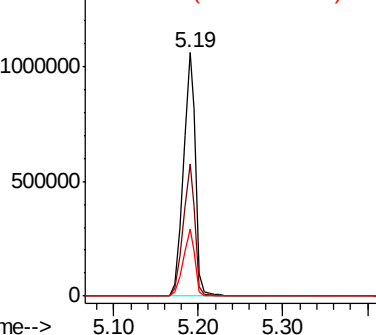
#5

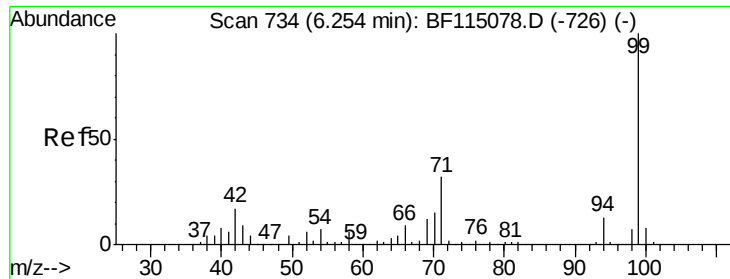
2-Fluorophenol
 Concen: 92.339 ng
 RT: 5.19 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Tgt Ion:112 Resp: 1092516
 Ion Ratio Lower Upper
 112 100
 64 54.3 43.8 65.6
 63 27.6 22.2 33.4



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: 97.281 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

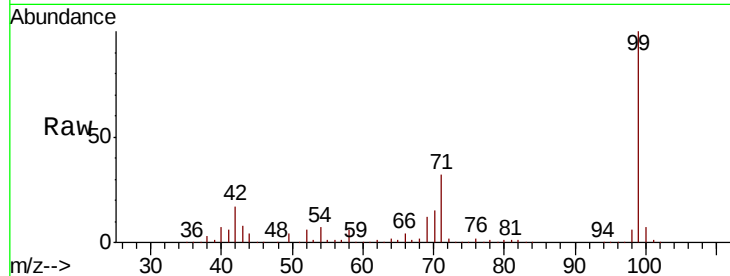
Tgt Ion: 99 Resp: 1397011

Ion Ratio Lower Upper

99 100

42 16.6 13.6 20.4

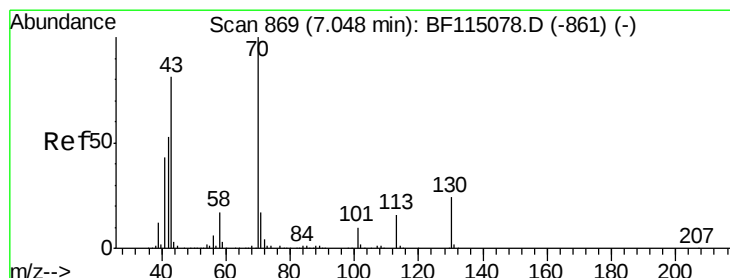
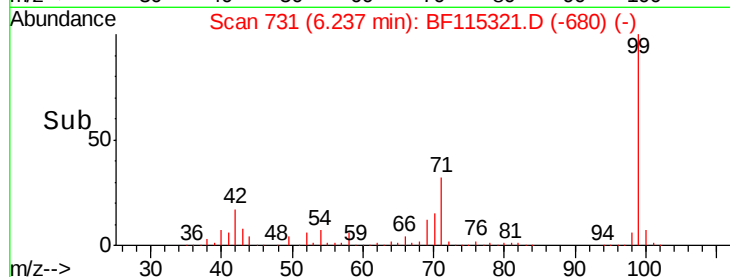
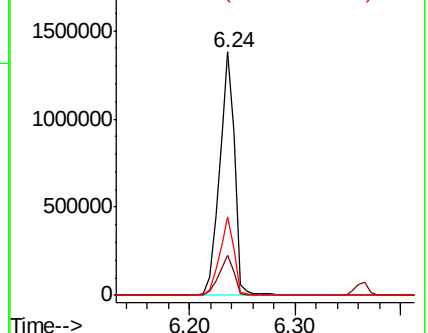
71 32.4 25.5 38.3



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: 11.516 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Tgt Ion: 70 Resp: 105877

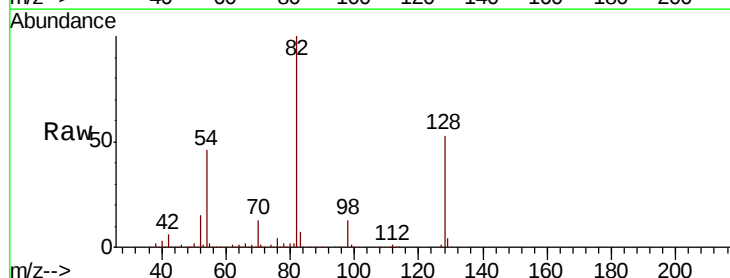
Ion Ratio Lower Upper

70 100

42 43.5 42.6 63.8

101 0.0 8.0 12.0#

130 2.7 19.4 29.0#

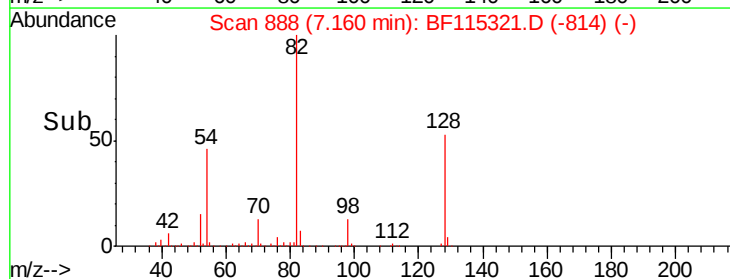
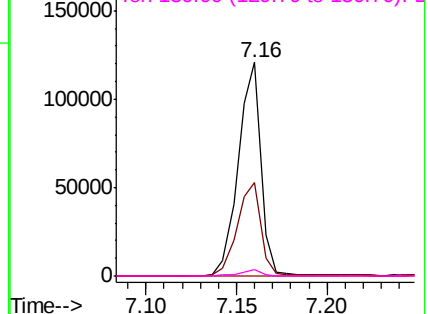


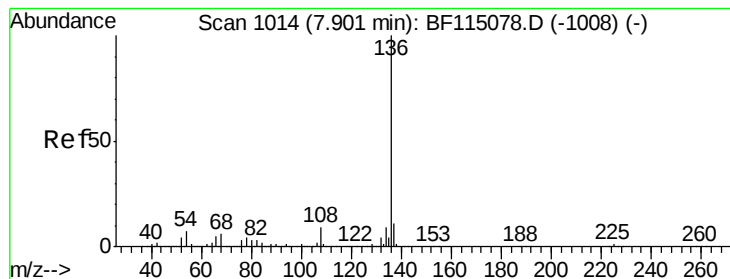
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.88 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

Tgt Ion: 136 Resp: 710110

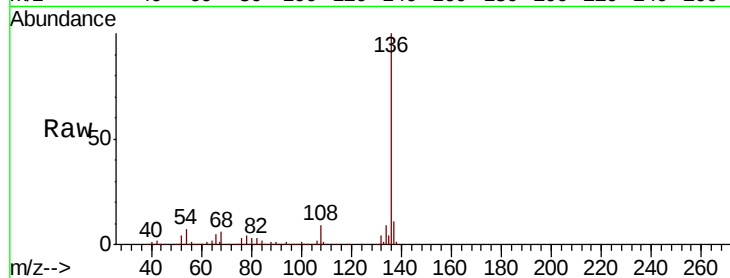
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.2 5.6 8.4

68 6.1 4.8 7.2

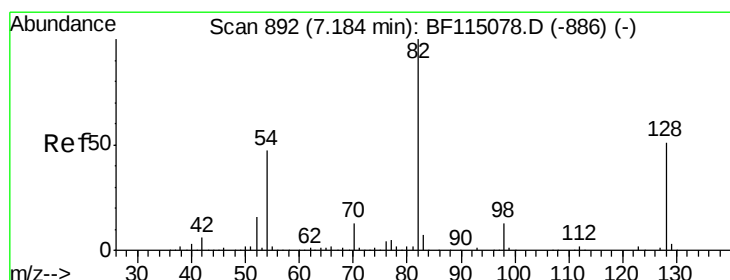
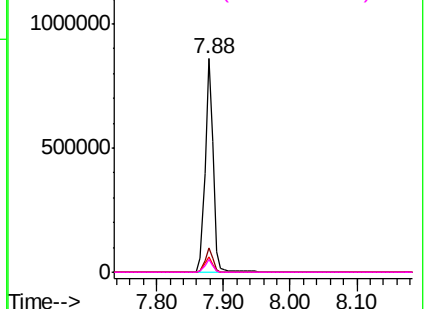
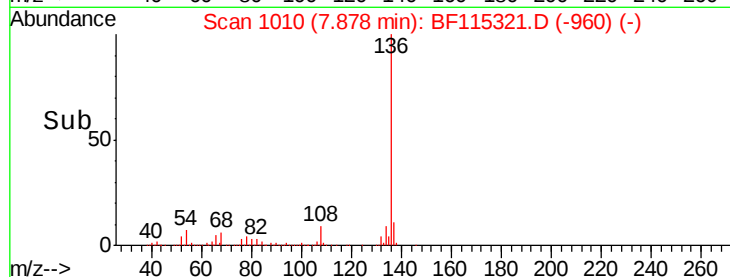


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 70.229 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

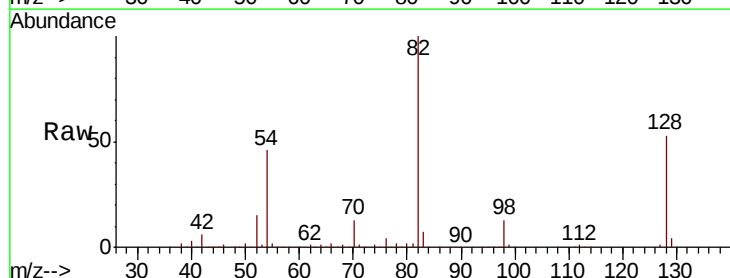
Tgt Ion: 82 Resp: 810698

Ion Ratio Lower Upper

82 100

128 52.6 40.4 60.6

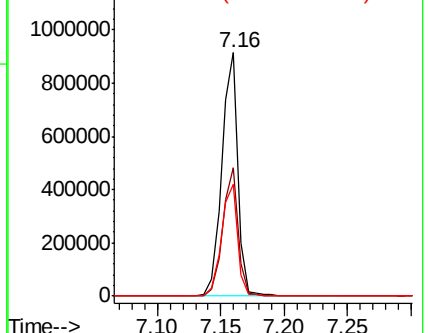
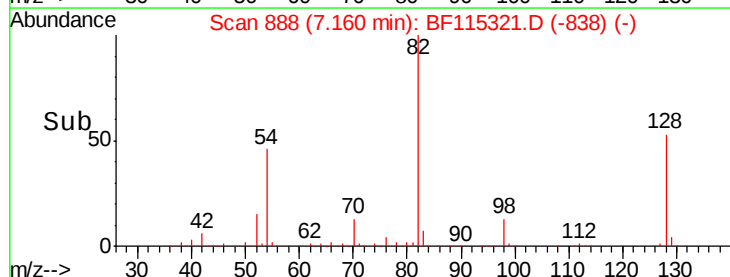
54 46.0 37.5 56.3

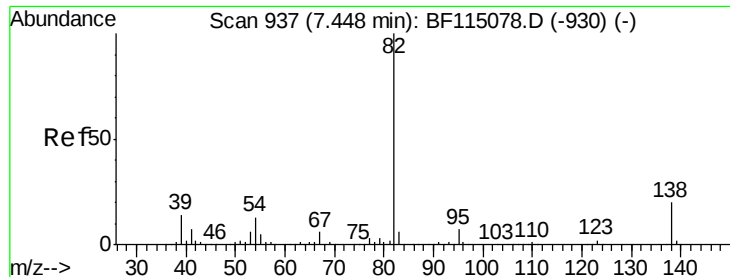


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.282 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

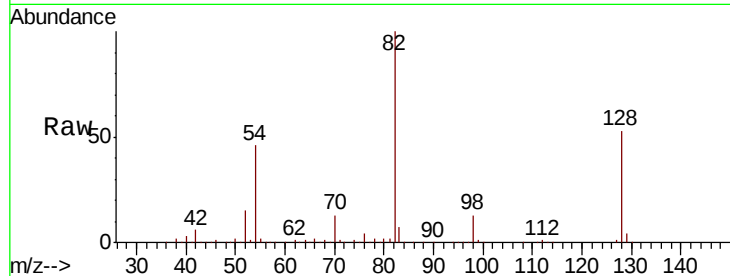
Tgt Ion: 82 Resp: 810686

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

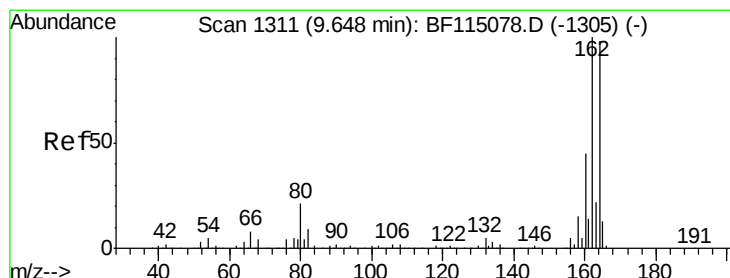
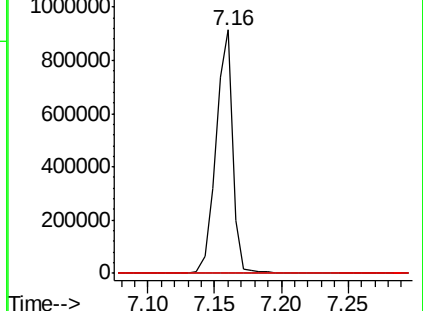
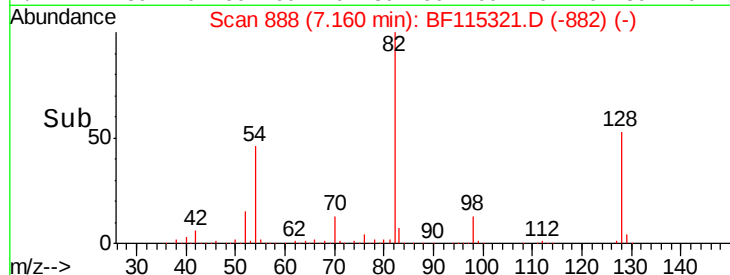
138 0.0 15.9 23.9#



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: 9.62 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

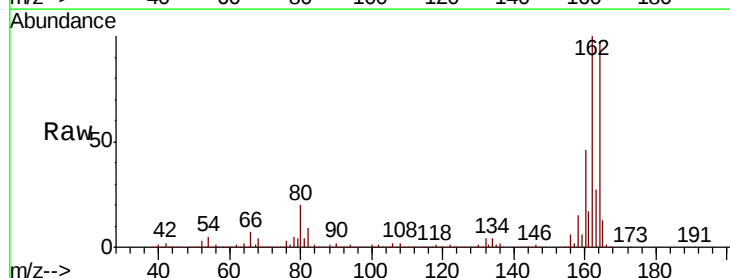
Tgt Ion: 164 Resp: 353858

Ion Ratio Lower Upper

164 100

162 102.7 81.7 122.5

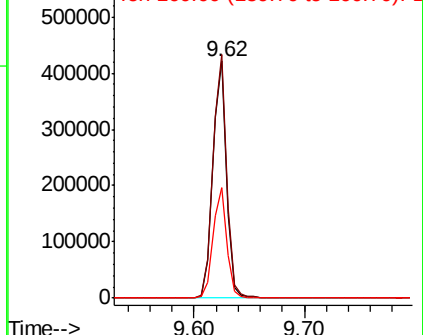
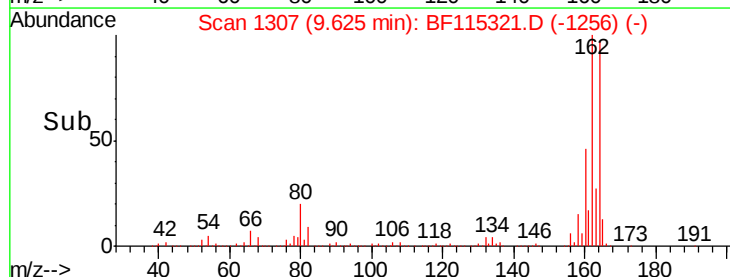
160 46.7 37.0 55.4

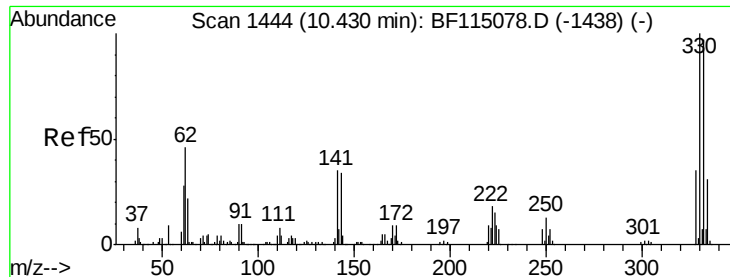


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

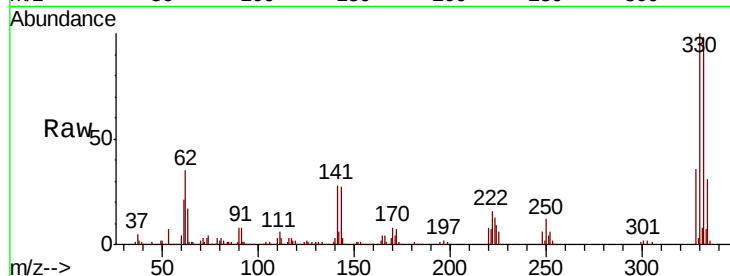




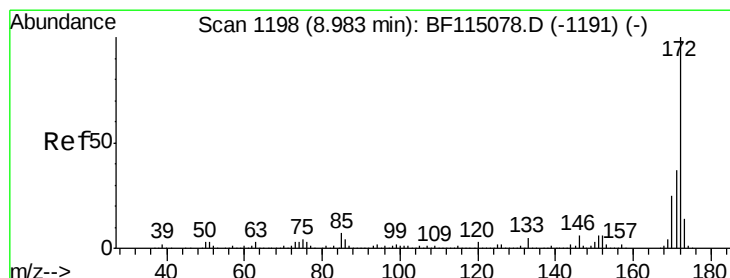
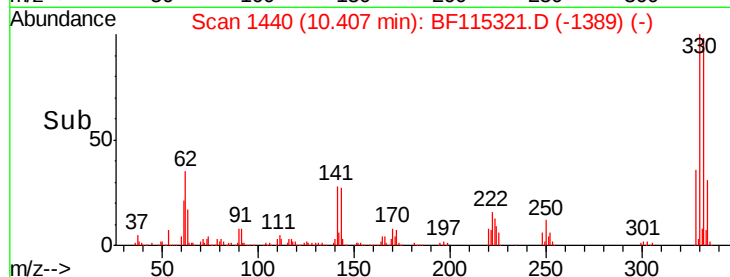
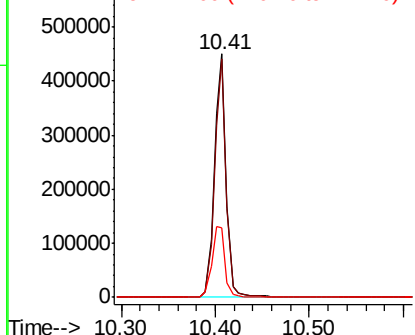
#42
 2,4,6-Tribromophenol
 Concen: 107.639 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

Tgt Ion:330 Resp: 401661
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.3 115.9
 141 32.9 28.2 42.2

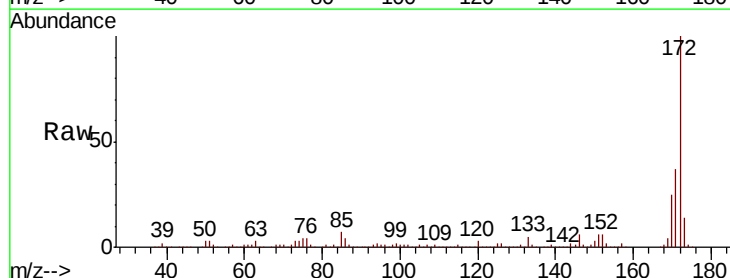


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

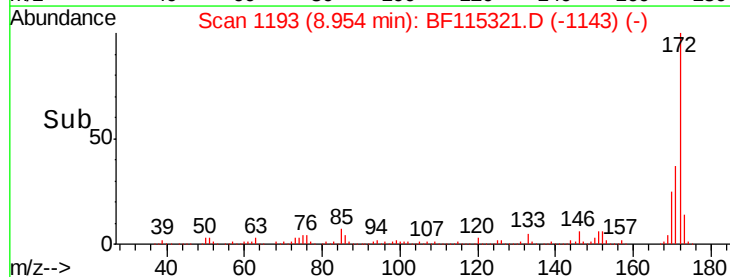
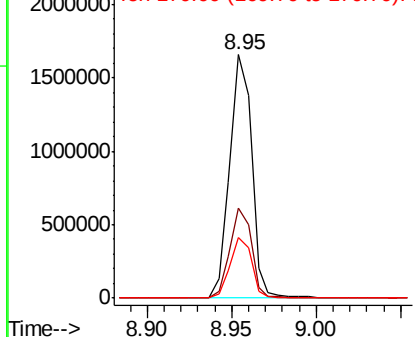


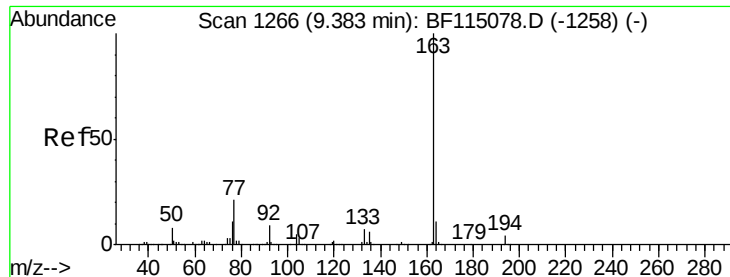
#45
 2-Fluorobiphenyl
 Concen: 72.571 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Tgt Ion:172 Resp: 1511800
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.8 44.6
 170 25.0 20.3 30.5



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

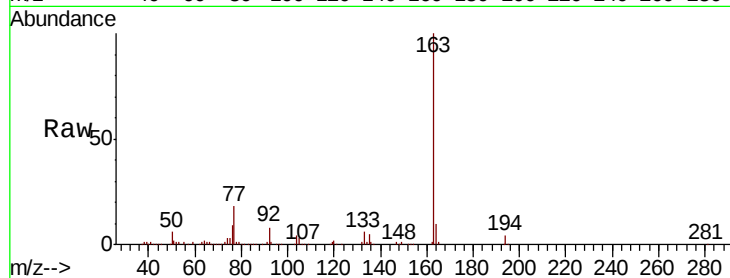




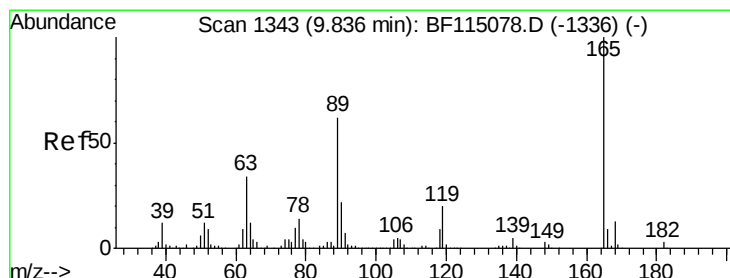
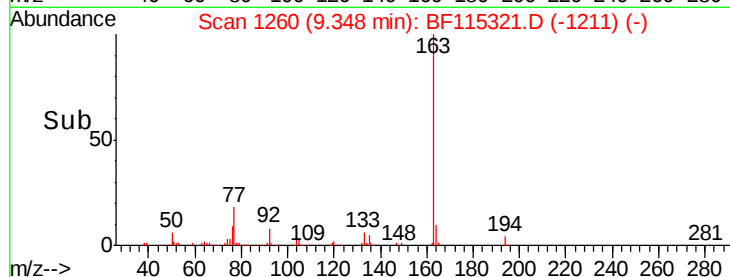
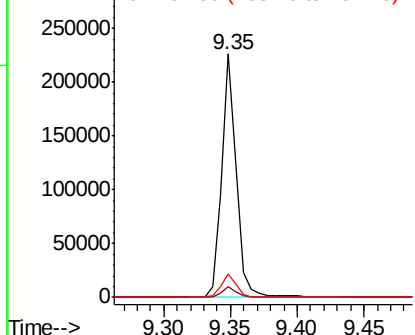
#50
Dimethylphthalate
Concen: 6.761 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion:163 Resp: 176017
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 9.6 8.6 13.0

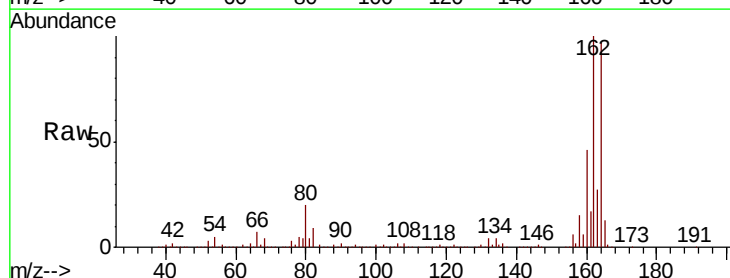


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

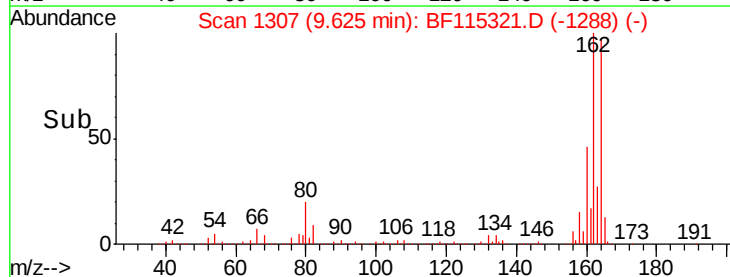
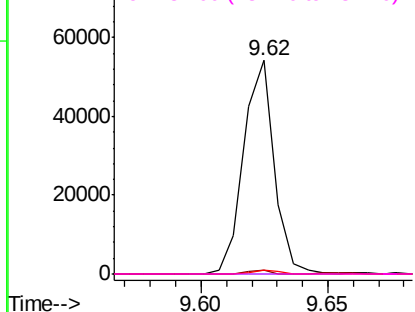


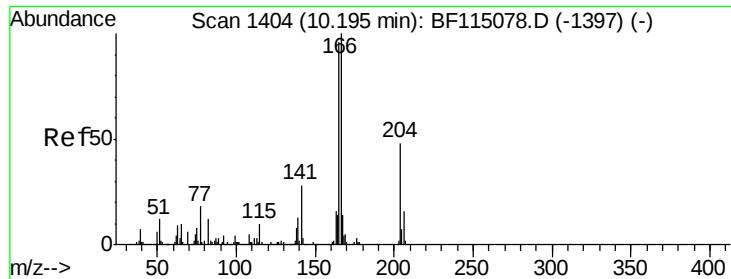
#57
2,4-Dinitrotoluene
Concen: 5.877 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion:165 Resp: 45607
Ion Ratio Lower Upper
165 100
63 1.6 27.5 41.3#
89 1.7 49.9 74.9#
182 0.0 2.1 3.1#



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





#58

Fluorene

Concen: Below Cal

RT: 10.17 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

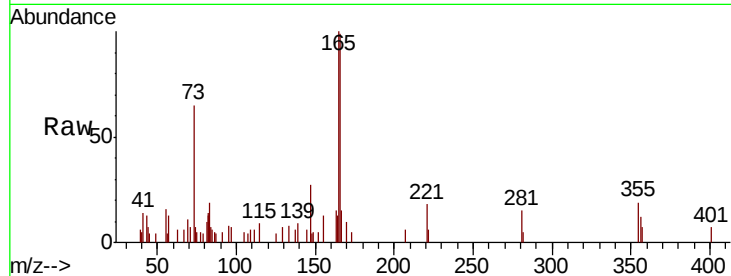
Tgt Ion:166 Resp: 6073

Ion Ratio Lower Upper

166 100

165 100.6 76.5 114.7

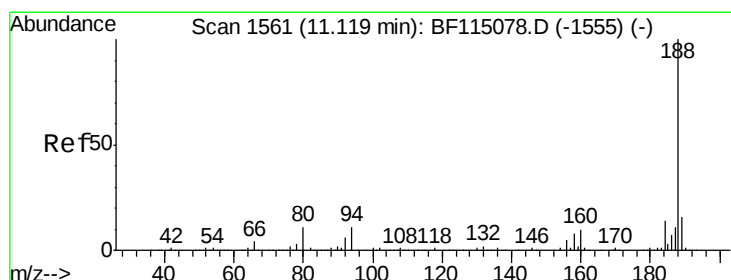
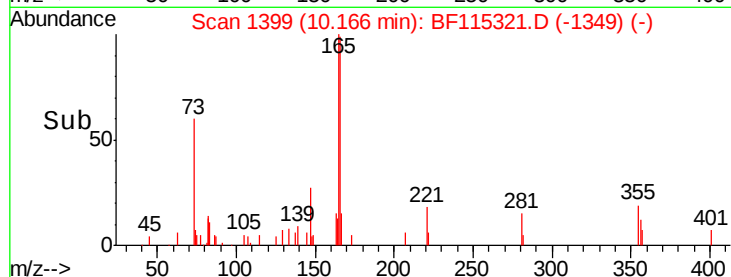
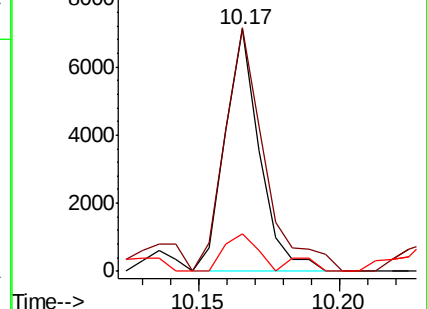
167 15.5 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

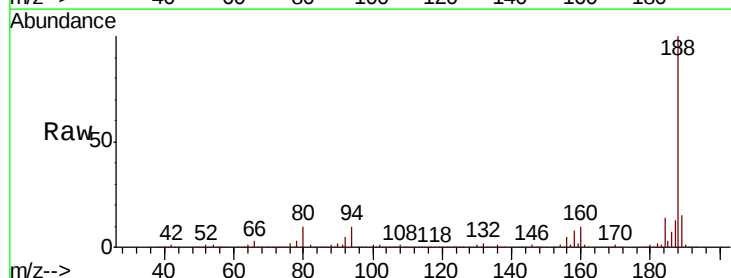
Tgt Ion:188 Resp: 719311

Ion Ratio Lower Upper

188 100

94 9.5 8.6 12.8

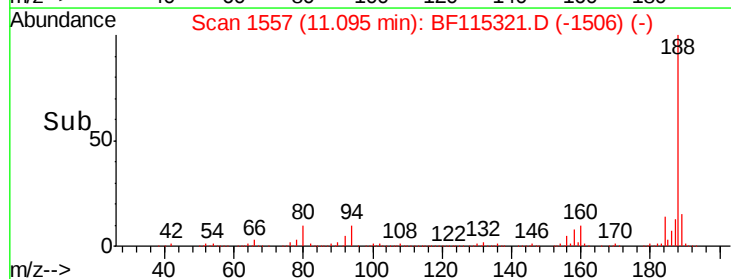
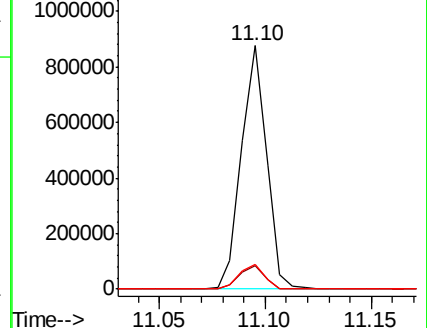
80 10.1 8.8 13.2

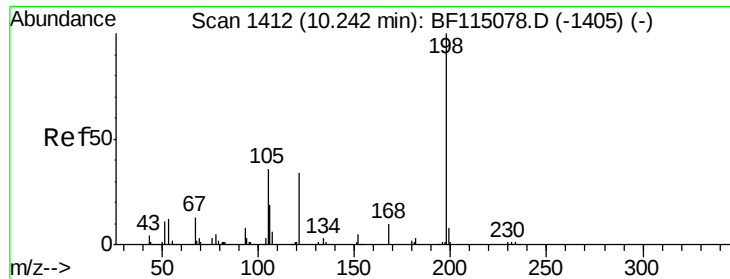


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 5.150 ng

RT: 10.40 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

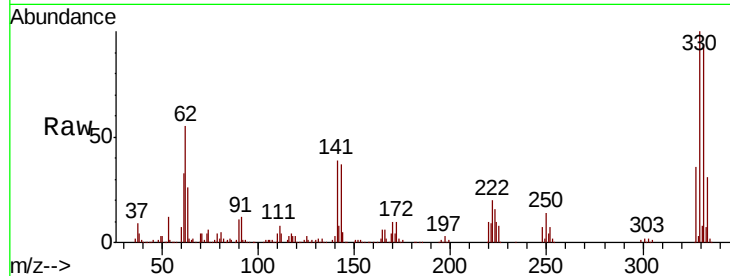
Tgt Ion:198 Resp: 812

Ion Ratio Lower Upper

198 100

51 139.4 11.0 51.0#

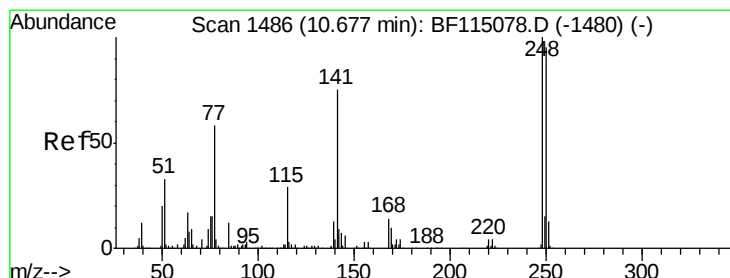
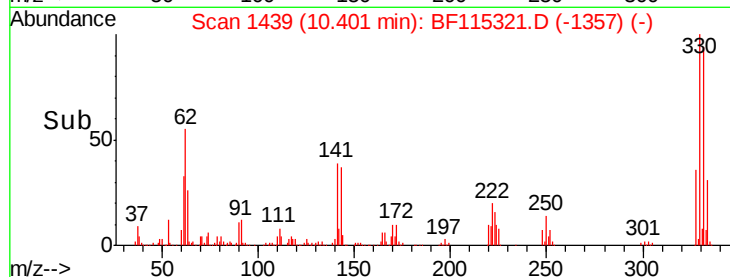
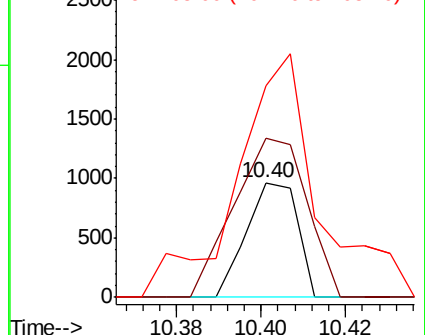
105 185.2 17.3 57.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.315 ng

RT: 10.41 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

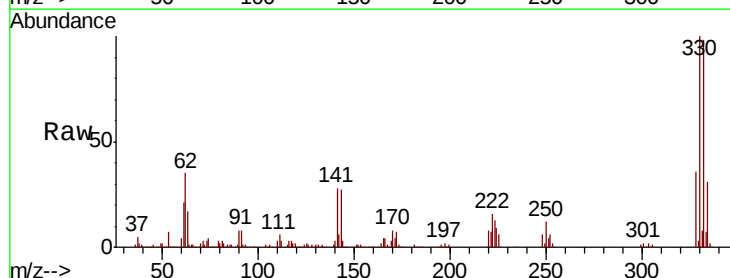
Tgt Ion:248 Resp: 25851

Ion Ratio Lower Upper

248 100

250 192.4 76.2 114.2#

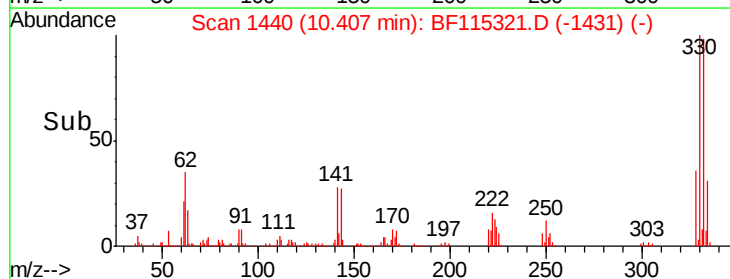
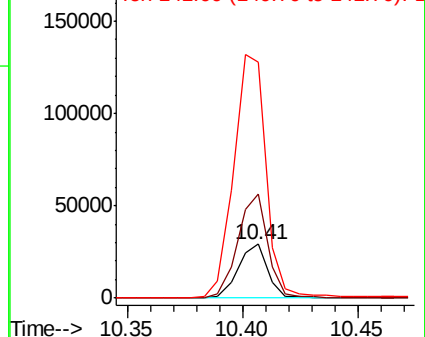
141 437.1 59.6 89.4#

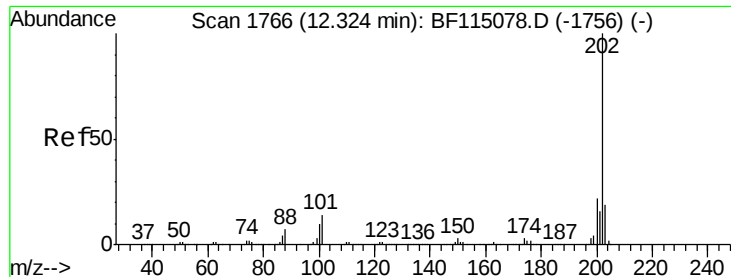


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 4.334 ng

RT: 12.29 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

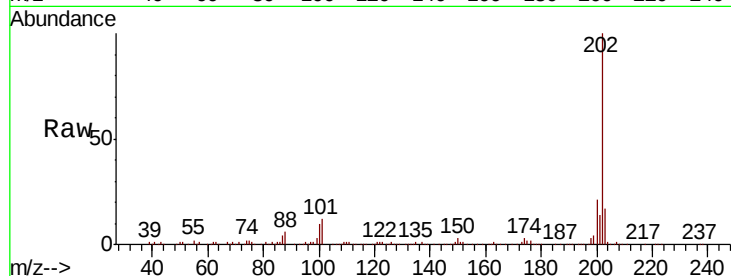
Tgt Ion:202 Resp: 167481

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.0

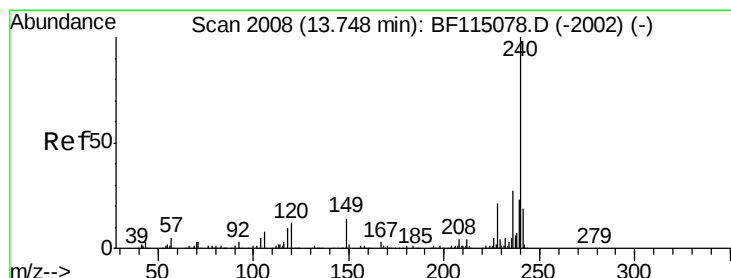
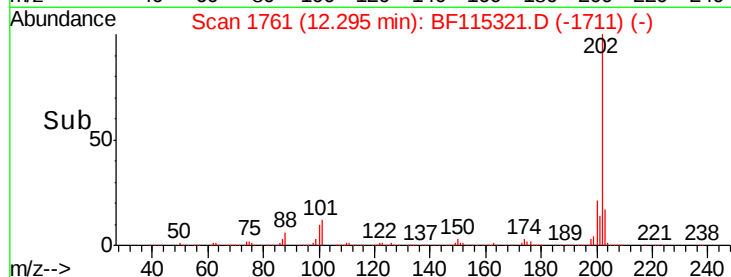
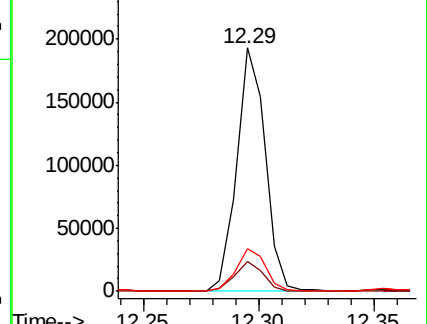
203 17.3 0.0 38.8



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: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

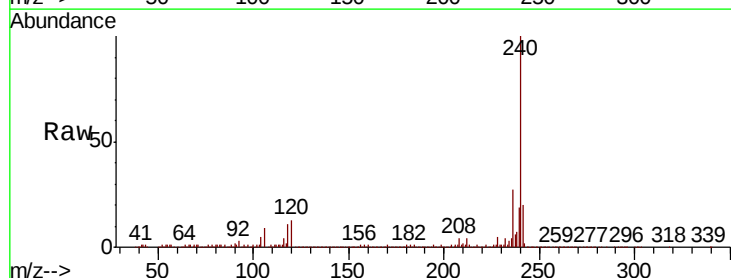
Tgt Ion:240 Resp: 615423

Ion Ratio Lower Upper

240 100

120 13.2 9.4 14.2

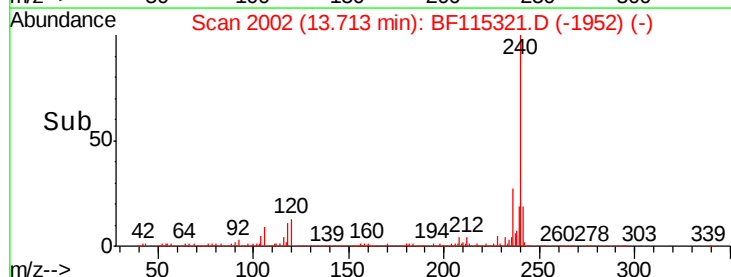
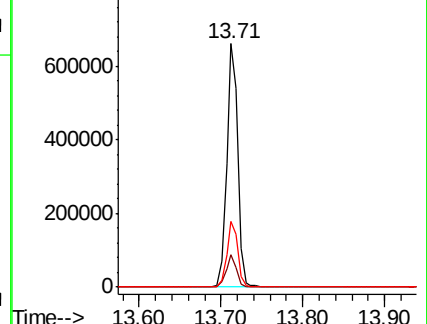
236 26.8 21.7 32.5

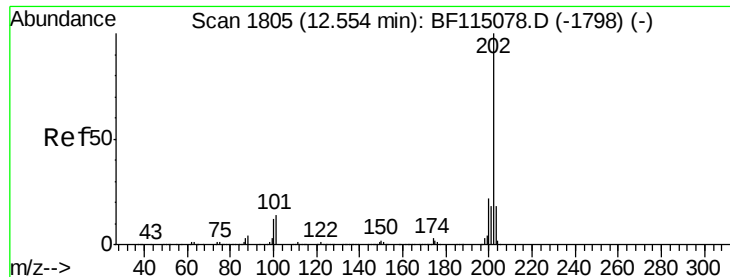


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

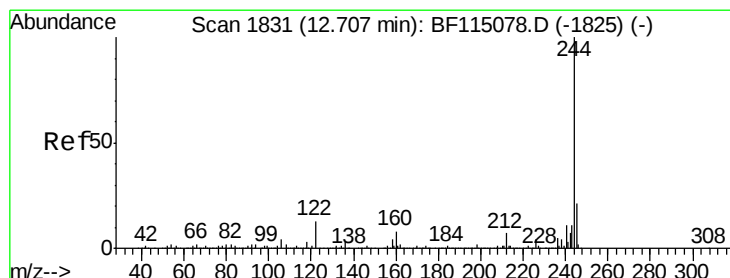
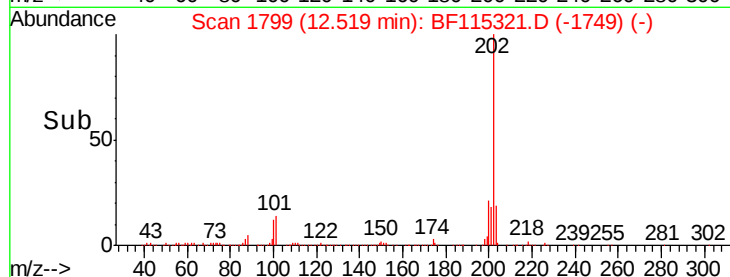
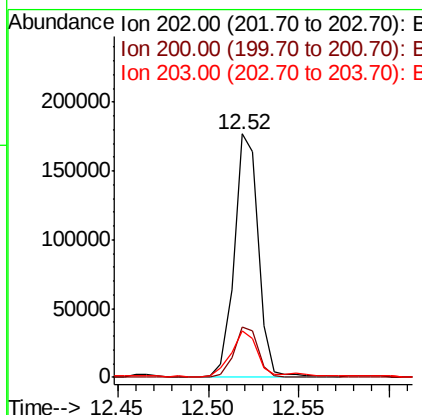
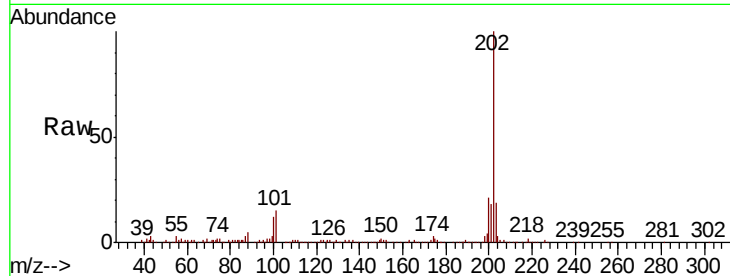




#78
 Pyrene
 Concen: 3.429 ng
 RT: 12.52 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

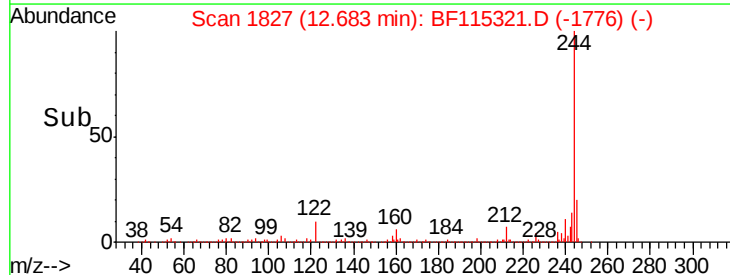
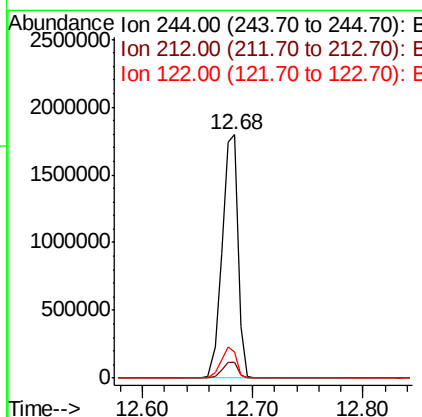
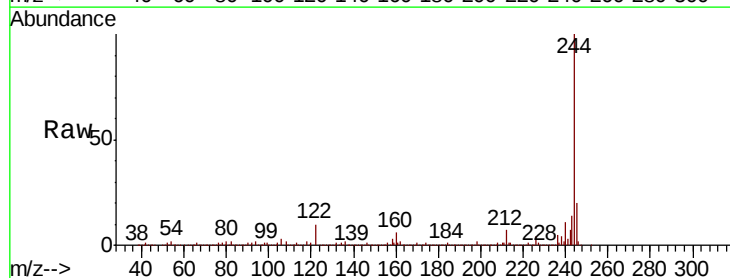
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

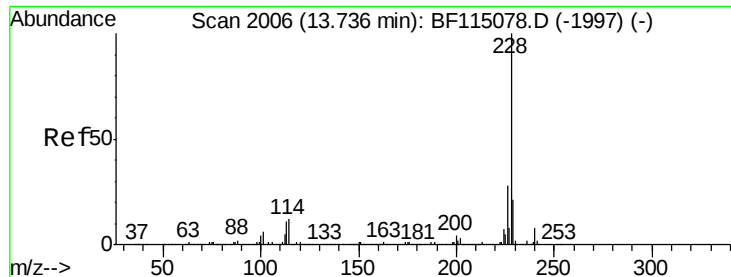
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.9	26.9
203	19.1	14.6	21.8



#79
 Terphenyl-d14
 Concen: 62.588 ng
 RT: 12.68 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	10.4	10.4	15.6





#81

Benzo(a)anthracene

Concen: 2.100 ng

RT: 13.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

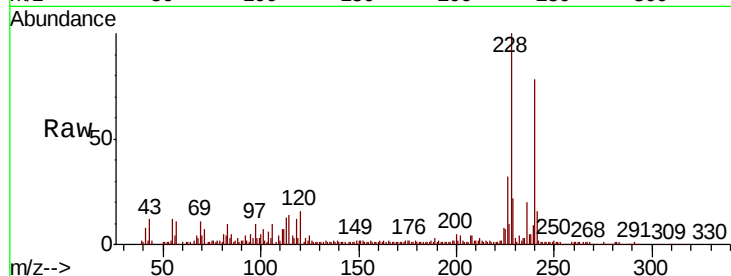
Tgt Ion:228 Resp: 92714

Ion Ratio Lower Upper

228 100

226 32.5 22.5 33.7

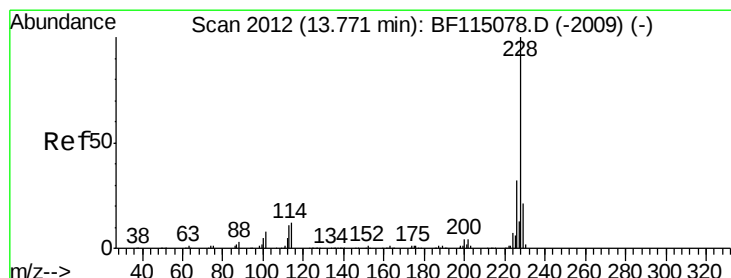
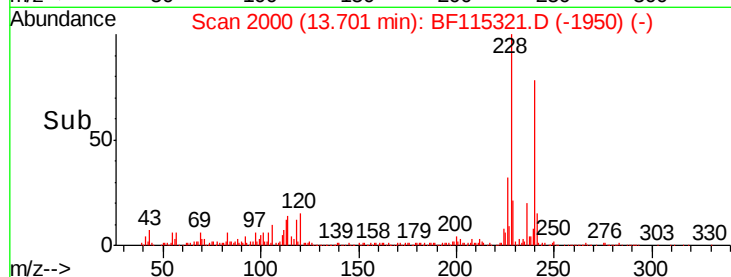
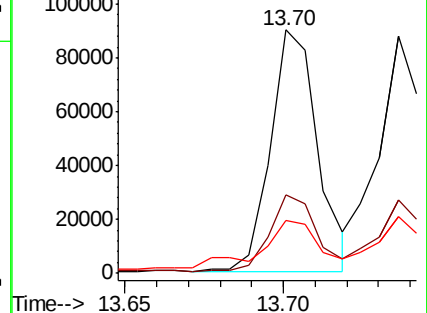
229 21.9 16.6 24.8



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



#83

Chrysene

Concen: 2.097 ng

RT: 13.74 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

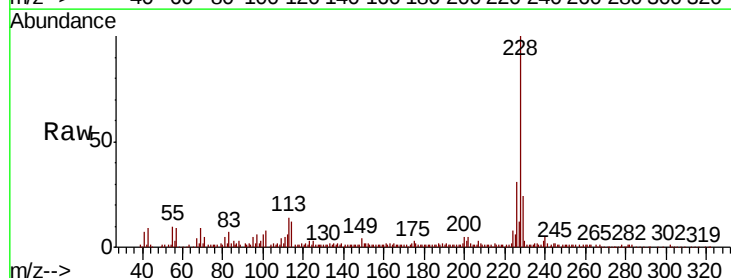
Tgt Ion:228 Resp: 84806

Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.0

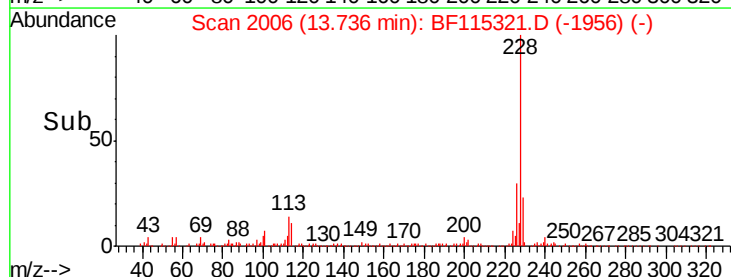
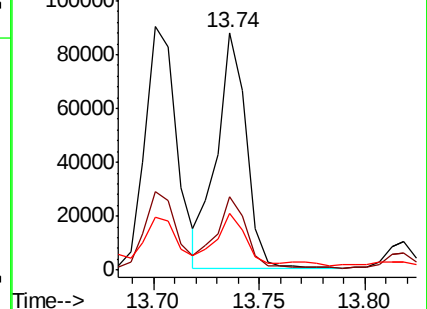
229 24.0 16.5 24.7

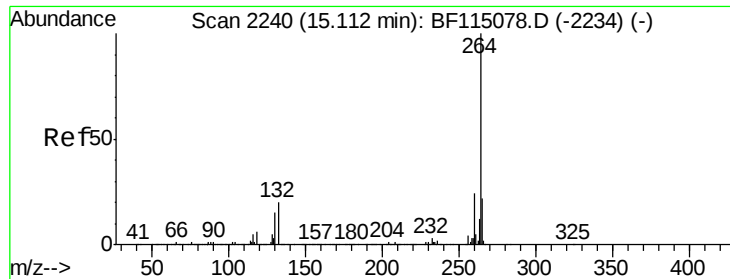


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



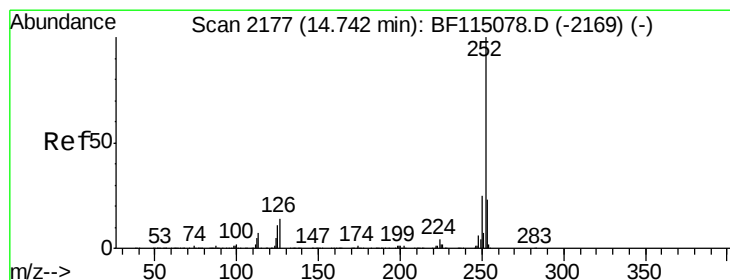
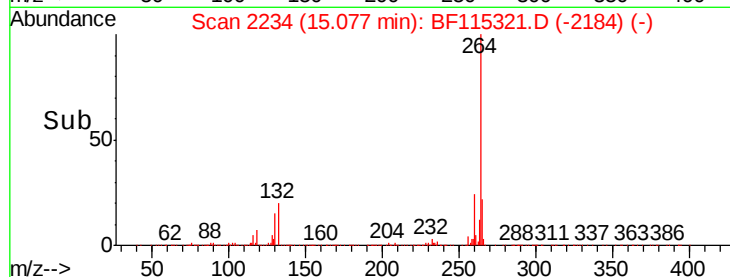
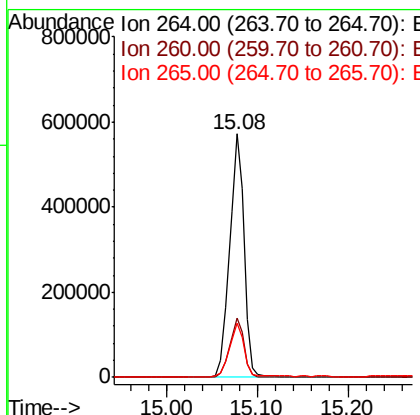
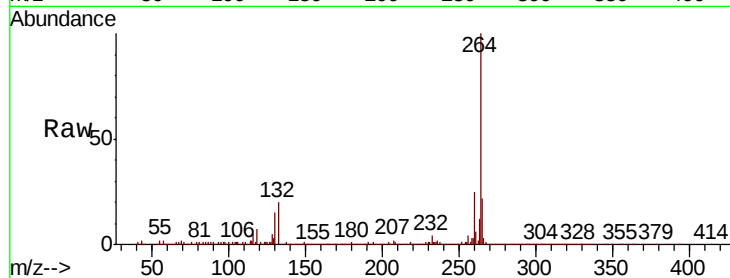


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion: 264 Resp: 631356

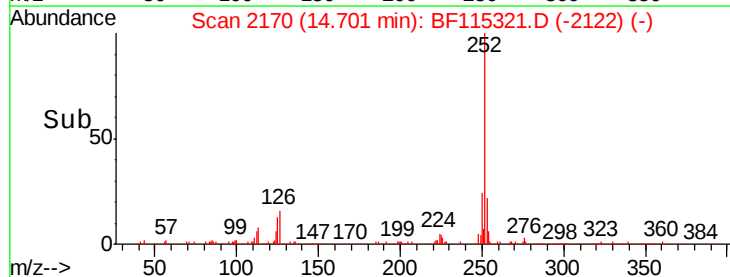
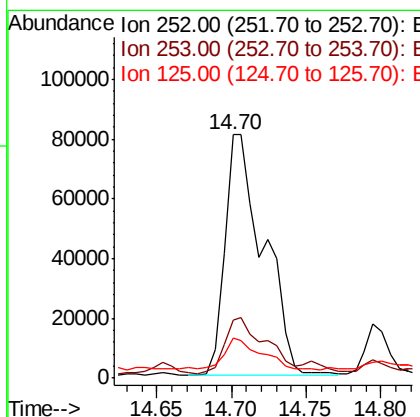
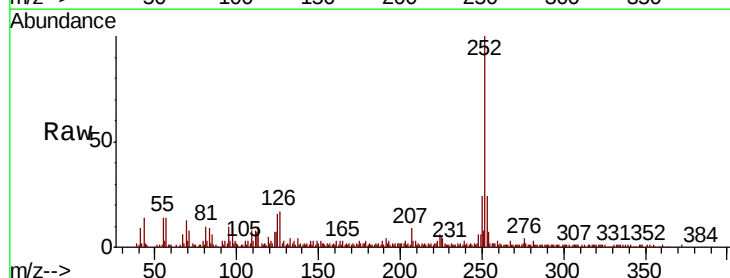
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.4	17.3	25.9

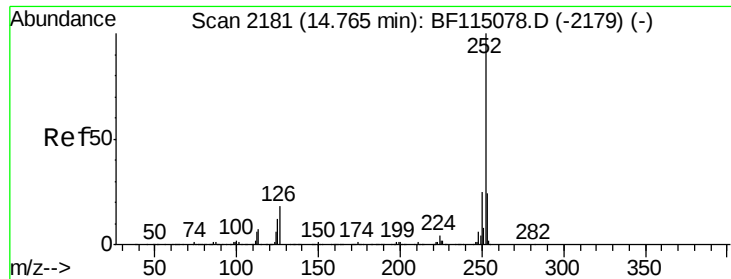


#88
Benzo(b)fluoranthene
Concen: 3.727 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion: 252 Resp: 146832

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	16.3	8.7	13.1





#89

Benzo(k)fluoranthene

Concen: 4.156 ng

RT: 14.70 min Scan# 2170

Delta R.T. -0.04 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

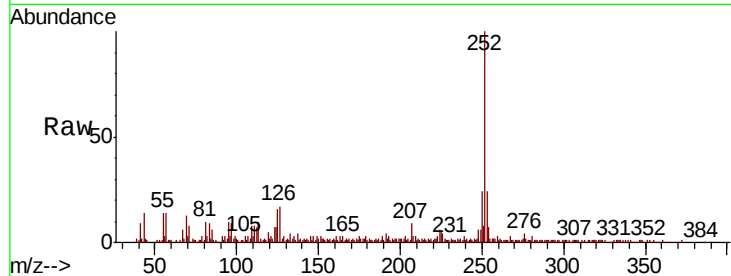
Tgt Ion:252 Resp: 146832

Ion Ratio Lower Upper

252 100

253 23.7 18.9 28.3

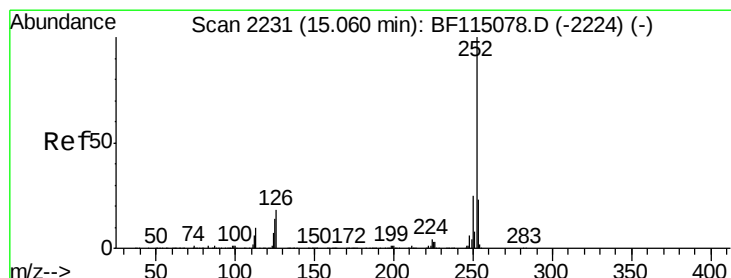
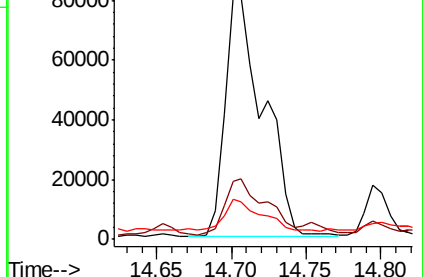
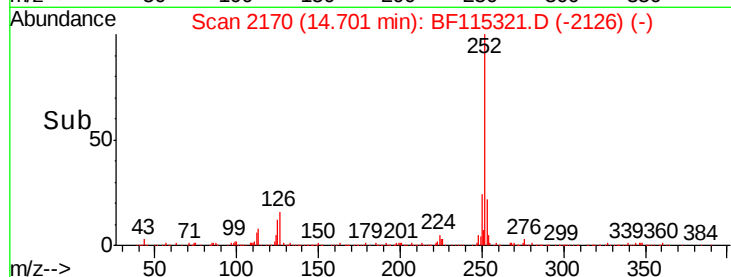
125 16.3 10.2 15.2#



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



#90

Benzo(a)pyrene

Concen: 2.193 ng

RT: 15.02 min Scan# 2224

Delta R.T. -0.02 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

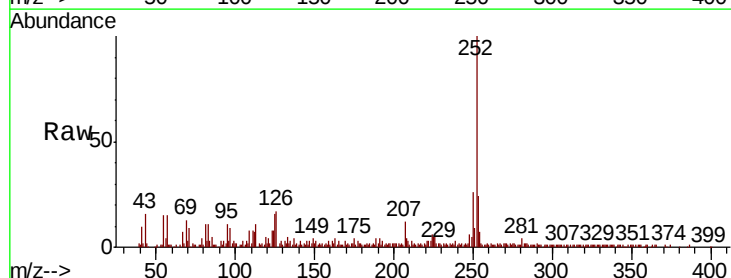
Tgt Ion:252 Resp: 77870

Ion Ratio Lower Upper

252 100

253 24.1 18.3 27.5

125 16.4 10.9 16.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

