

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032819\
 Data File : BF113389.D
 Acq On : 28 Mar 2019 22:27
 Operator : JU/SJ
 Sample : K2130-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-B

Quant Time: Mar 29 02:14:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	184307	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	689141	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	322276	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	556285	20.00	ng	0.00
76) Chrysene-d12	13.84	240	441573	20.00	ng	0.00
87) Perylene-d12	15.24	264	428448	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	965659	85.67	ng	0.00
7) Phenol-d6	6.35	99	1253639	87.92	ng	0.00
23) Nitrobenzene-d5	7.26	82	753455	64.89	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	319676	80.30	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1435552	65.84	ng	0.00
79) Terphenyl-d14	12.79	244	1188077	59.30	ng	0.00

Target Compounds

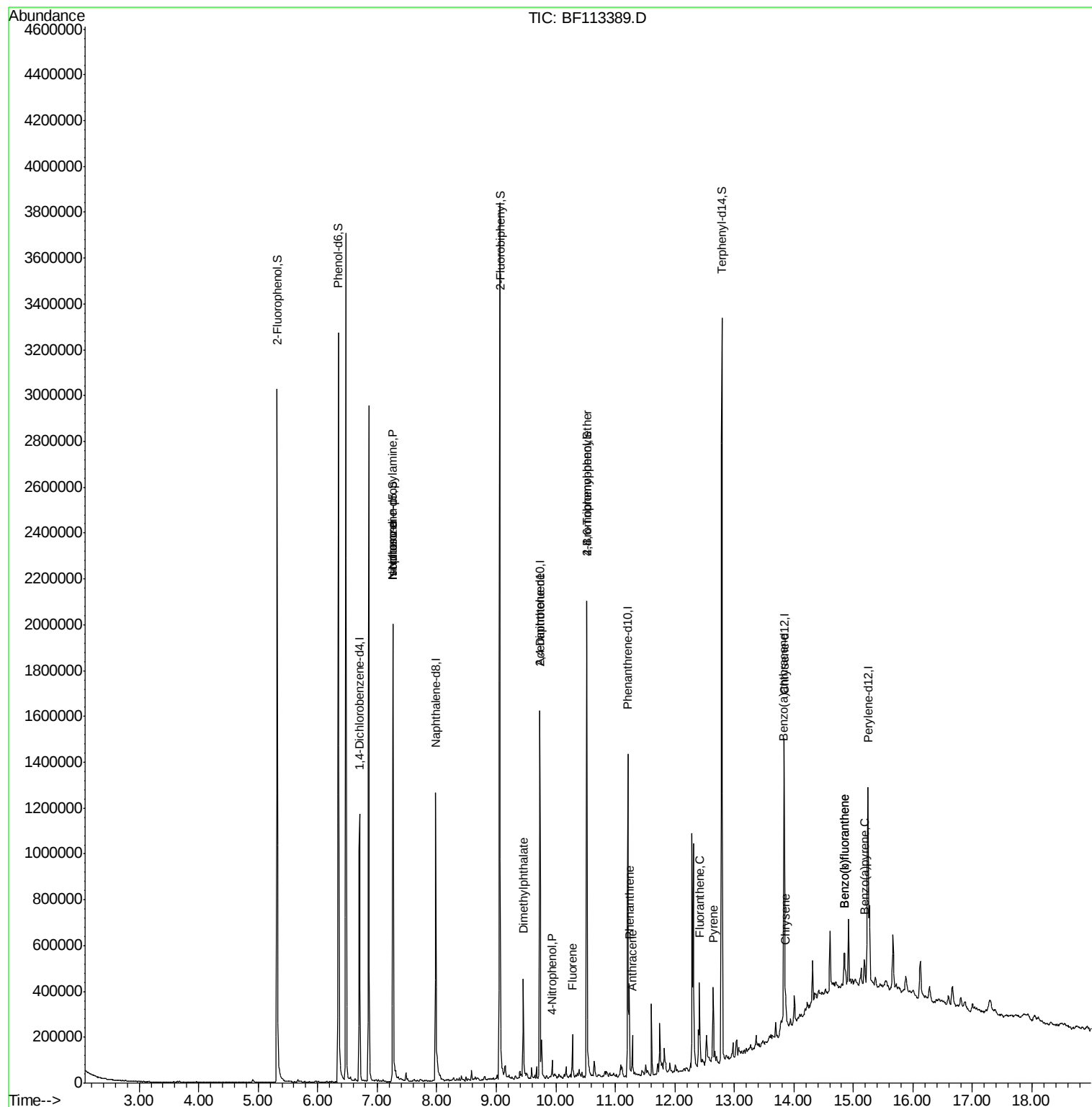
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	99123	11.067	ng	# 76
25) Isophorone	7.26	82	724949	32.218	ng	# 64
50) Dimethylphthalate	9.45	163	181047	7.580	ng	99
56) 4-Nitrophenol	9.94	139	10573	2.441	ng	# 10
57) 2,4-Dinitrotoluene	9.73	165	42763	6.241	ng	# 23
58) Fluorene	10.28	166	65671	2.980	ng	96
67) 4-Bromophenyl-phenylether	10.52	248	18416	3.037	ng	# 1
71) Phenanthrene	11.23	178	134665	4.875	ng	97
72) Anthracene	11.29	178	71034	2.531	ng	97
75) Fluoranthene	12.42	202	170140	5.448	ng	97
78) Pyrene	12.65	202	135441	4.426	ng	98
81) Benzo(a)anthracene	13.83	228	63433	2.510	ng	97
83) Chrysene	13.86	228	56401	2.197	ng	97
88) Benzo(b)fluoranthene	14.85	252	101181	3.802	ng	# 93
89) Benzo(k)fluoranthene	14.85	252	101181	4.329	ng	# 92
90) Benzo(a)pyrene	15.19	252	52982	2.245	ng	# 89

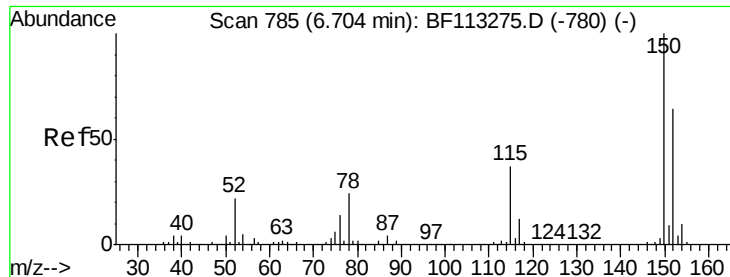
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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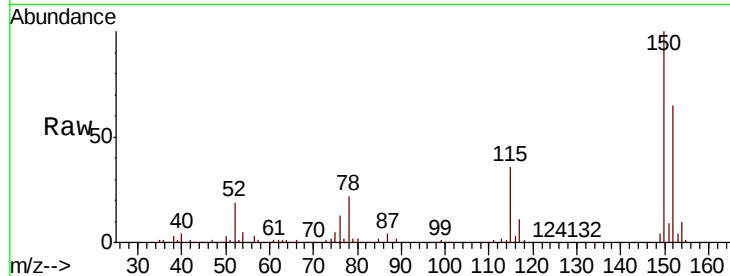


#1

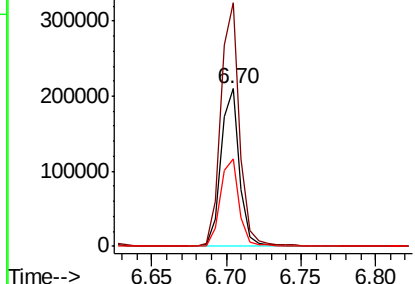
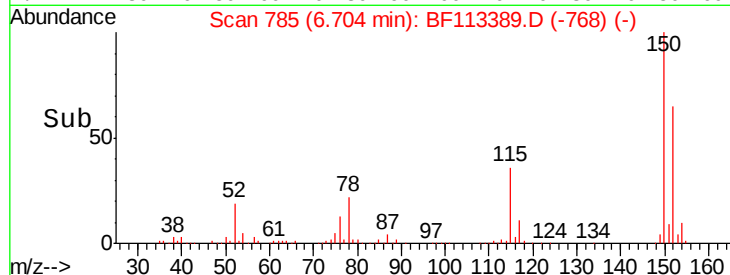
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

Tgt Ion:152 Resp: 184307
Ion Ratio Lower Upper
152 100
150 154.5 124.7 187.1
115 55.8 46.0 69.0



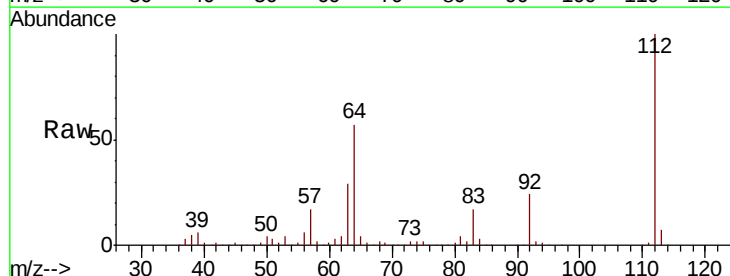
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



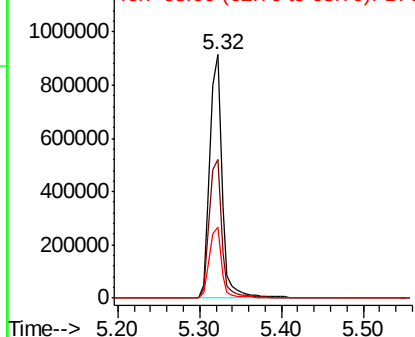
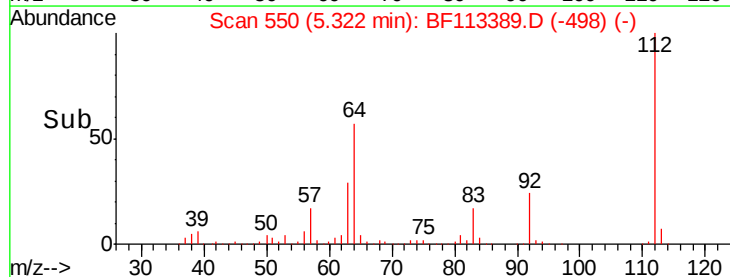
#5

2-Fluorophenol
Concen: 85.671 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Tgt Ion:112 Resp: 965659
Ion Ratio Lower Upper
112 100
64 56.8 49.2 73.8
63 29.1 24.9 37.3



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: 87.917 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-B

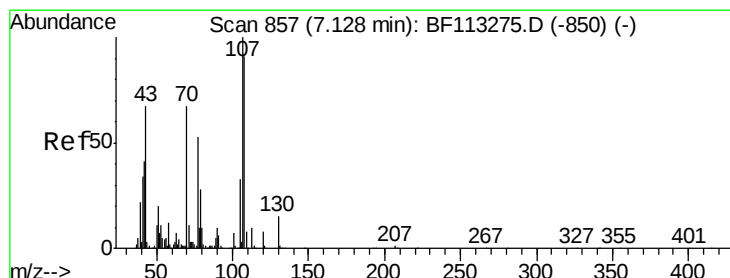
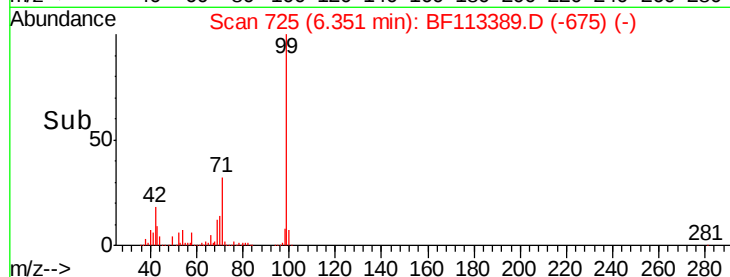
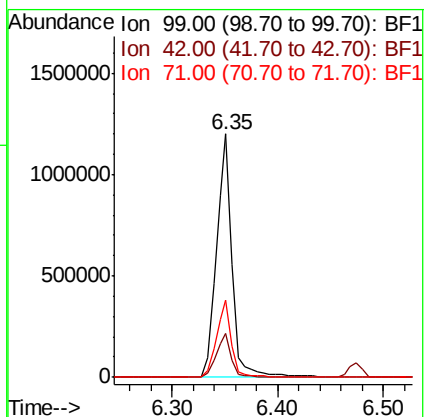
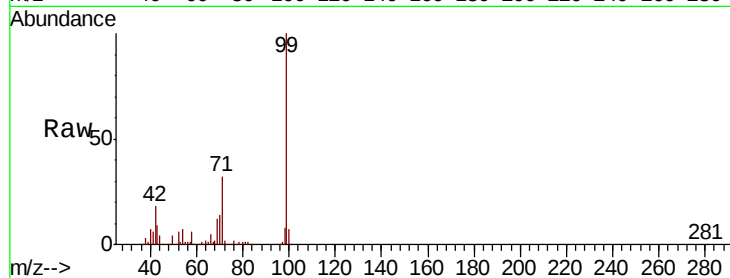
Tgt Ion: 99 Resp: 1253639

Ion Ratio Lower Upper

99 100

42 18.0 14.8 22.2

71 31.6 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.067 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Tgt Ion: 70 Resp: 99123

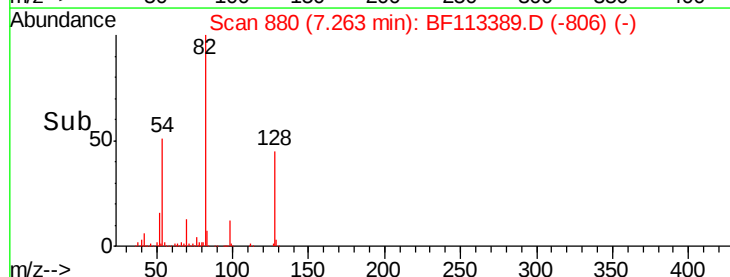
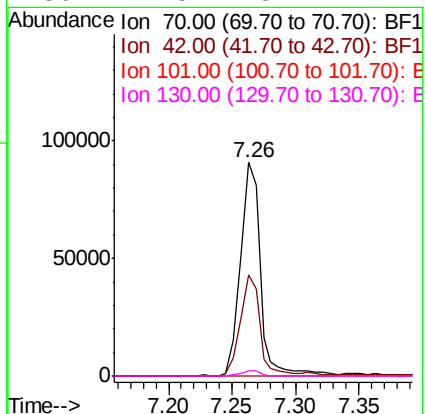
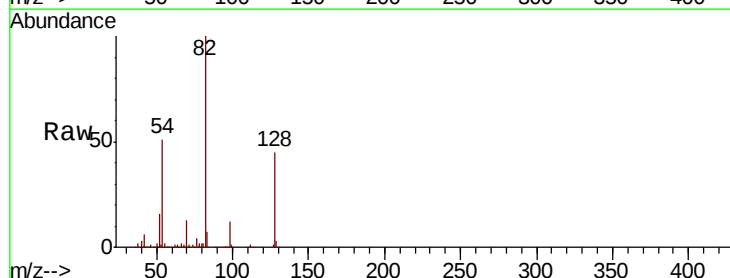
Ion Ratio Lower Upper

70 100

42 47.5 48.4 72.6#

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

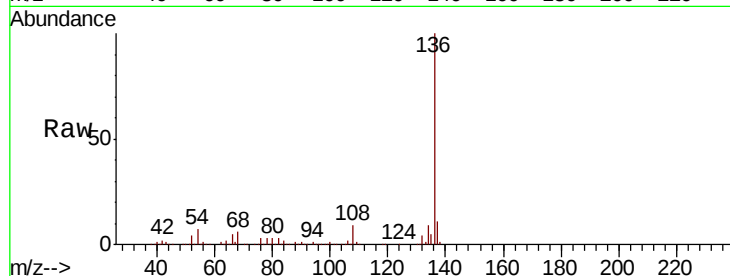




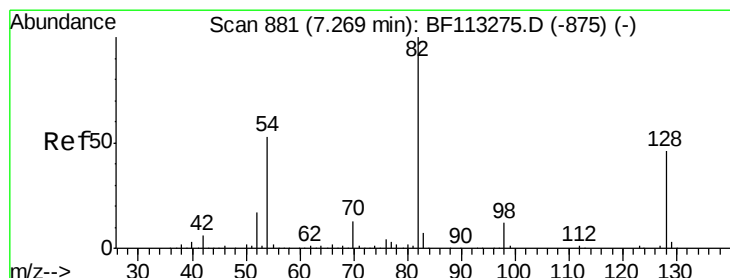
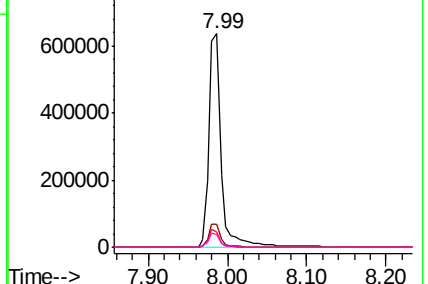
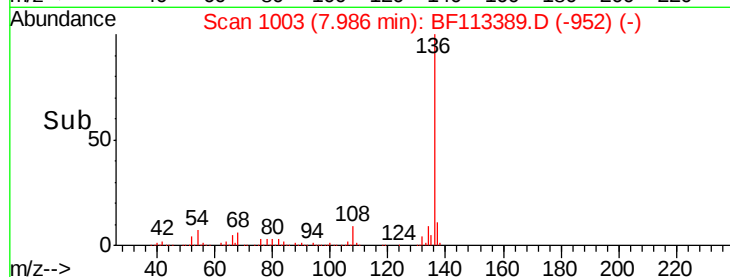
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

Tgt Ion:	136	Resp:	689141
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	7.0	10.6
68	5.7	4.8	7.2

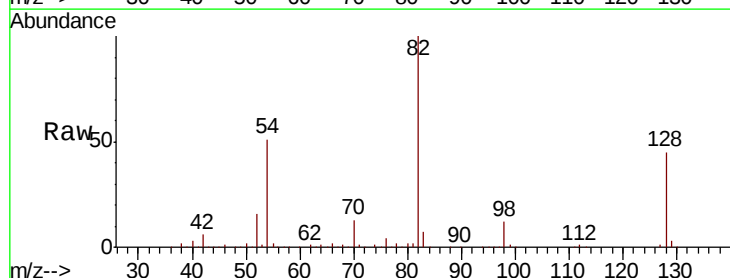


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

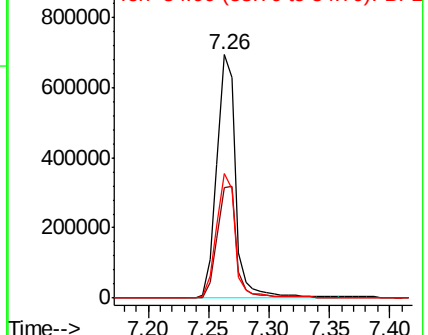
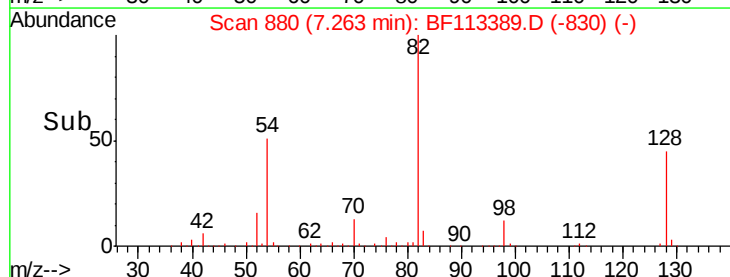


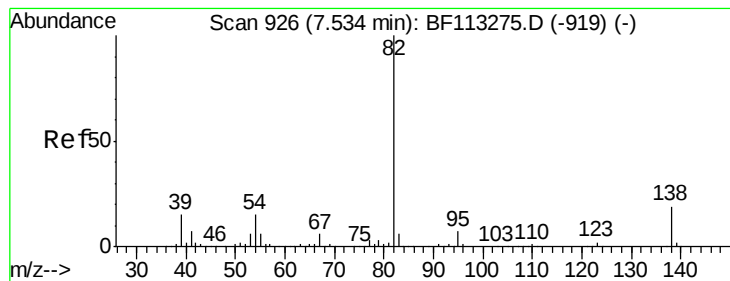
#23
Nitrobenzene-d5
Concen: 64.893 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Tgt Ion:	82	Resp:	753455
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.5	54.7
54	51.3	42.2	63.2



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: 32.218 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-B

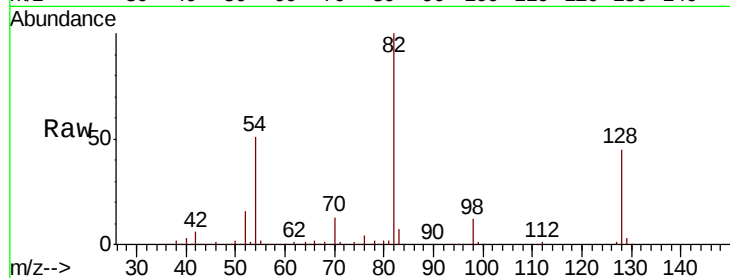
Tgt Ion: 82 Resp: 724949

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

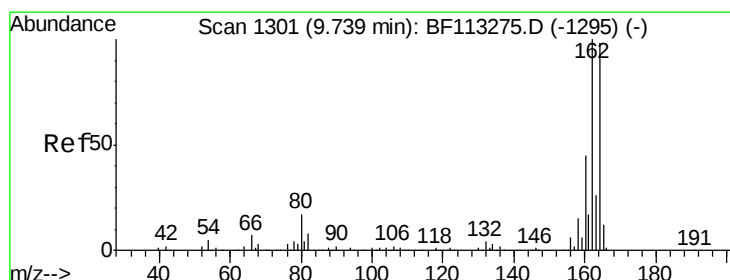
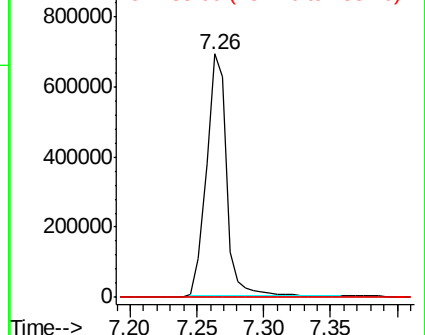
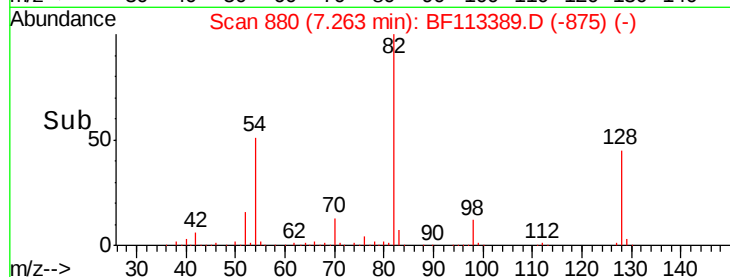
138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

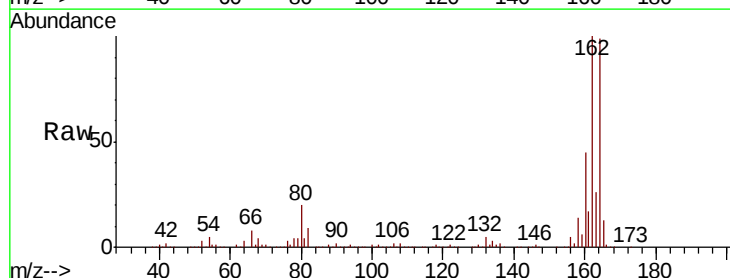
Tgt Ion: 164 Resp: 322276

Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.6

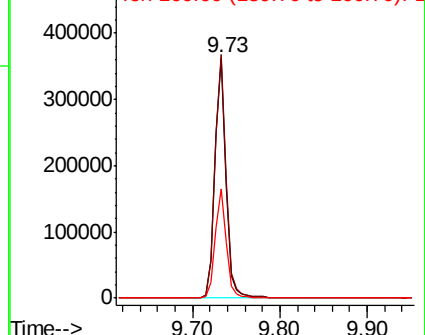
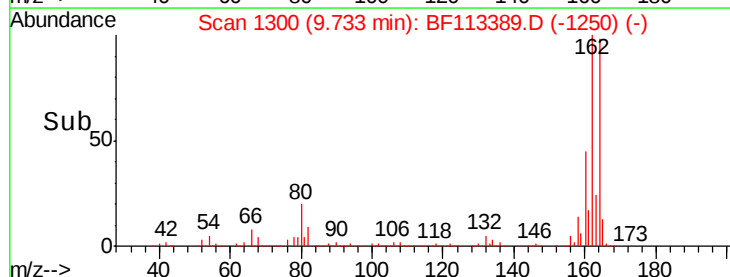
160 45.4 36.4 54.6

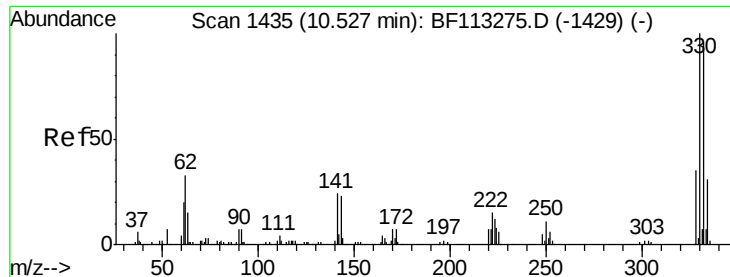


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

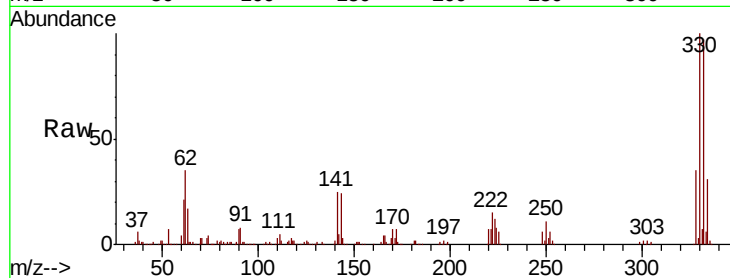




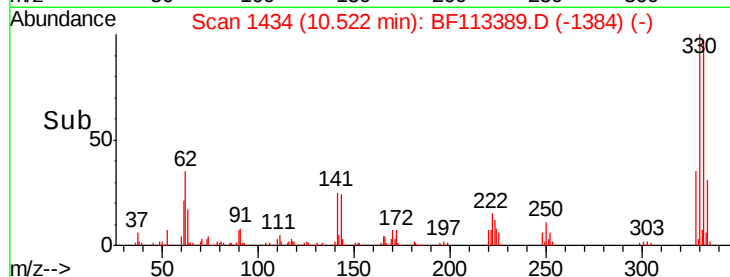
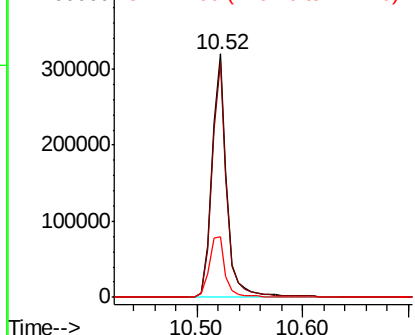
#42
 2,4,6-Tribromophenol
 Concen: 80.304 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-B

Tgt Ion:330 Resp: 319676
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.8 116.6
 141 27.8 22.7 34.1

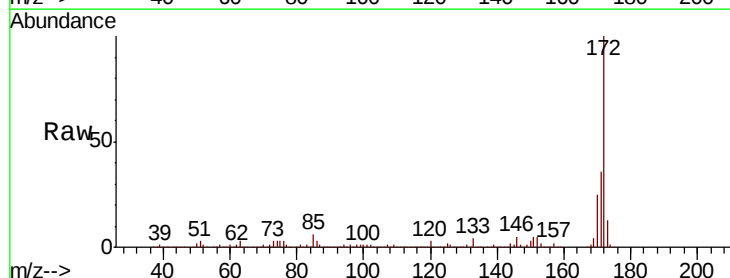


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

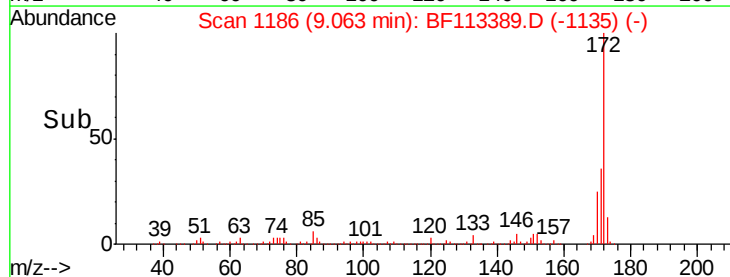
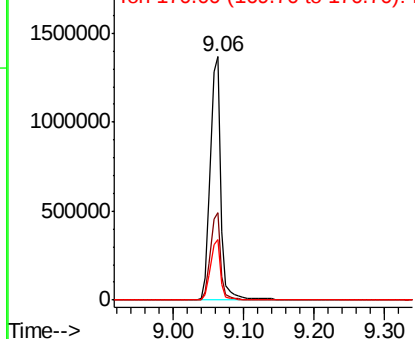


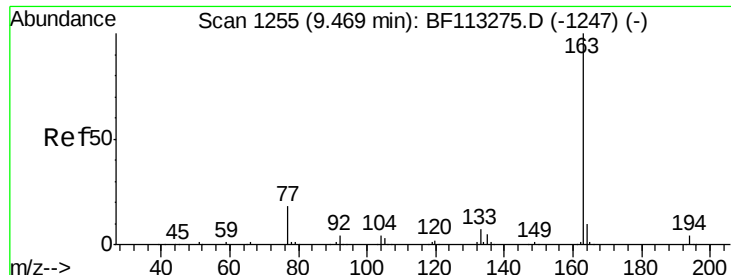
#45
 2-Fluorobiphenyl
 Concen: 65.841 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Tgt Ion:172 Resp: 1435552
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.0 43.6
 170 24.6 19.5 29.3



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

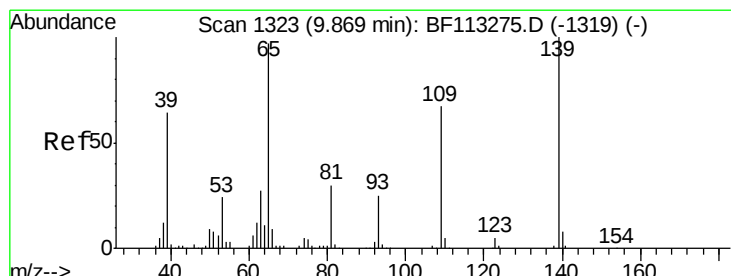
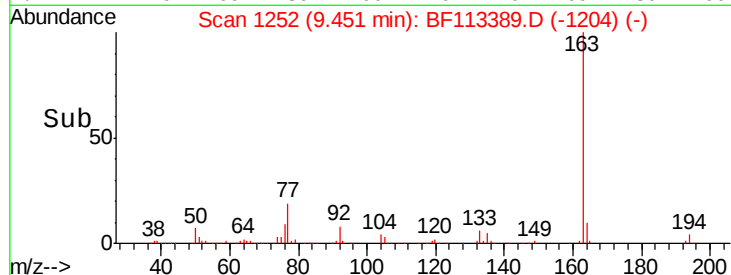
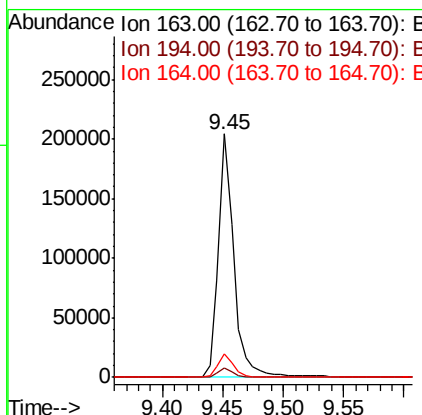
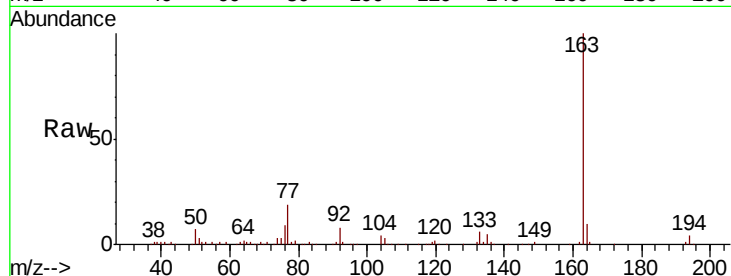




#50
 Dimethylphthalate
 Concen: 7.580 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

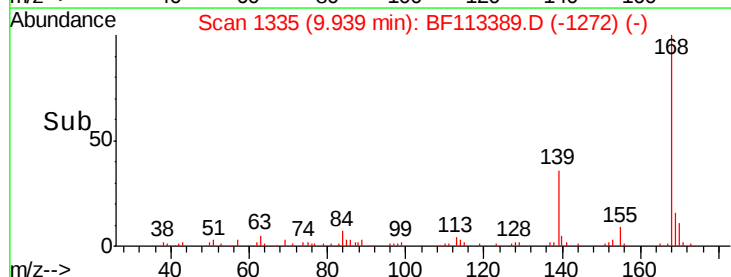
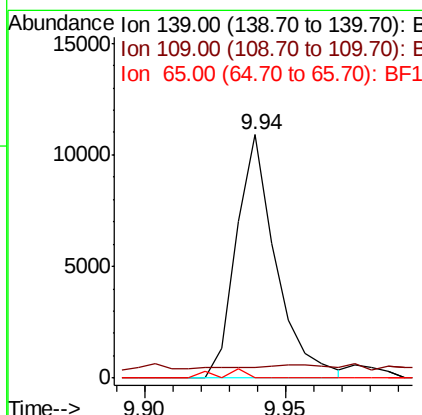
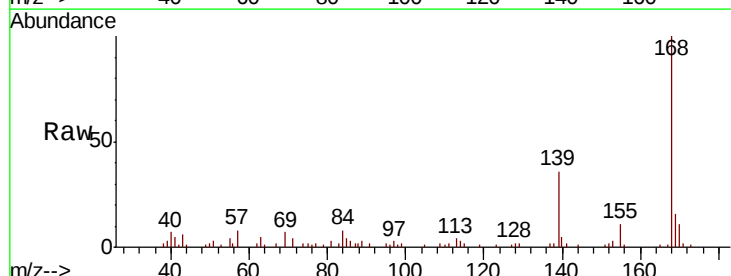
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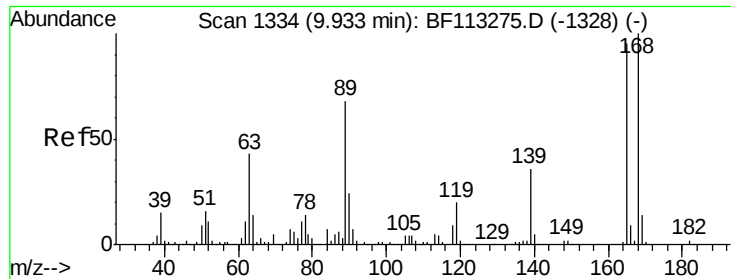
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.5	8.1	12.1



#56
 4-Nitrophenol
 Concen: 2.441 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.07 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	4.6	46.9	86.9#
65	0.0	77.2	117.2#

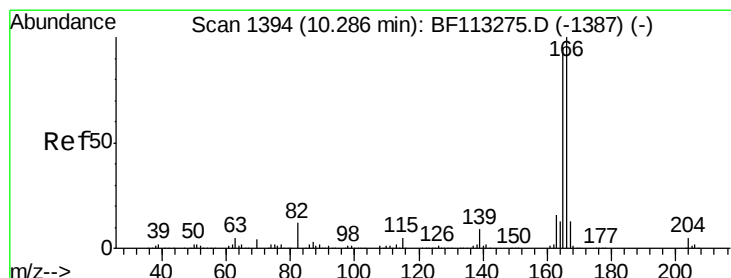
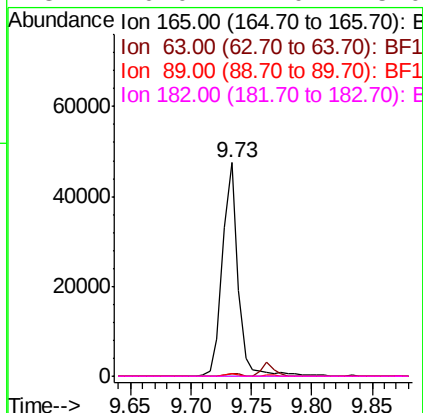
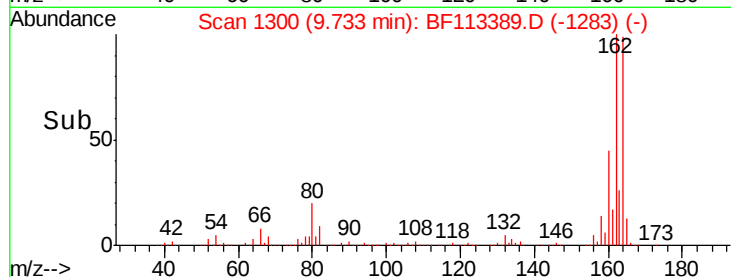
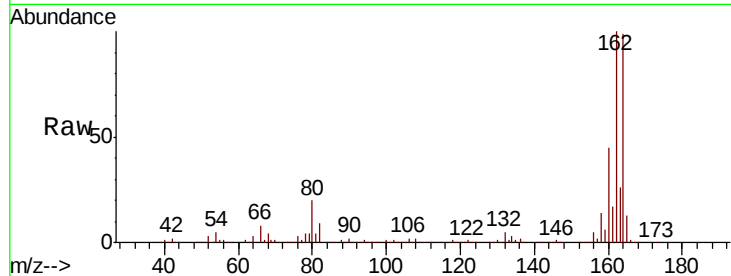




#57
 2,4-Dinitrotoluene
 Concen: 6.241 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

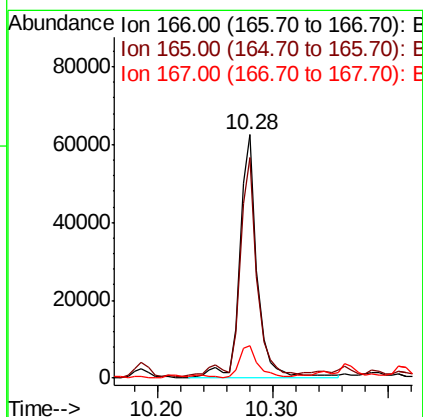
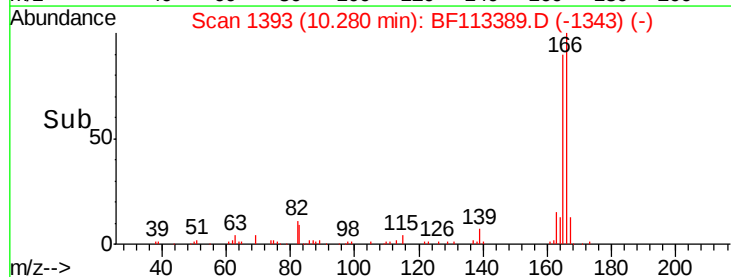
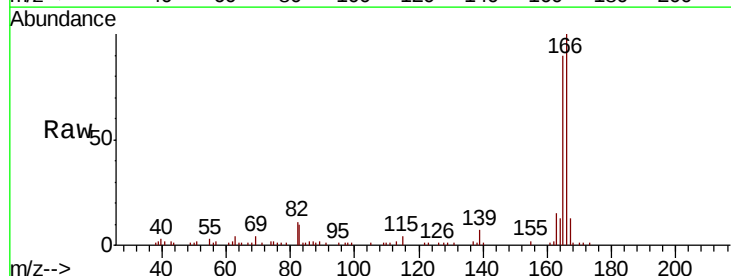
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-B

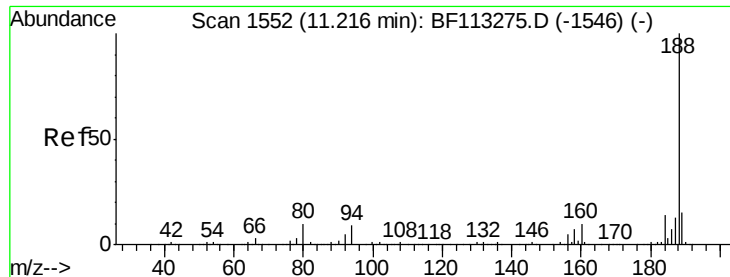
Tgt Ion:	165	Resp:	42763
Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.5	56.3#
89	1.2	57.4	86.2#
182	0.0	2.0	3.0#



#58
 Fluorene
 Concen: 2.980 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF113389.D
 Acq: 28 Mar 2019 22:27

Tgt Ion:	166	Resp:	65671
Ion	Ratio	Lower	Upper
166	100		
165	90.5	76.2	114.2
167	13.2	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-B

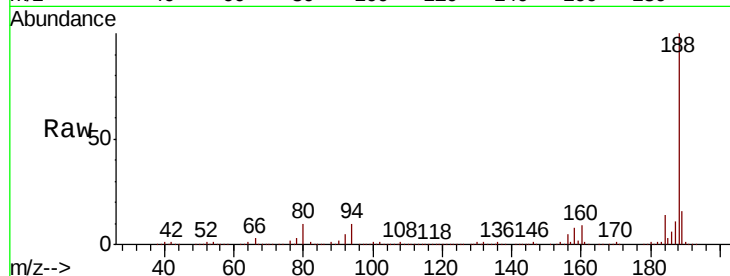
Tgt Ion:188 Resp: 556285

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

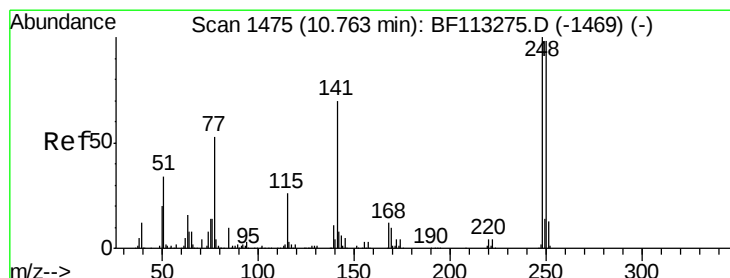
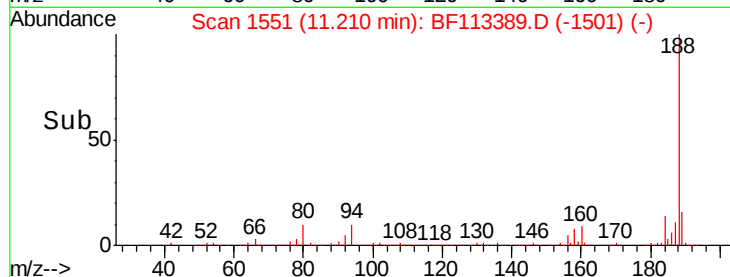
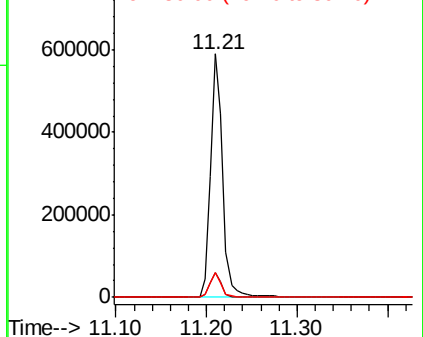
80 10.3 7.7 11.5



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: 3.037 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.24 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

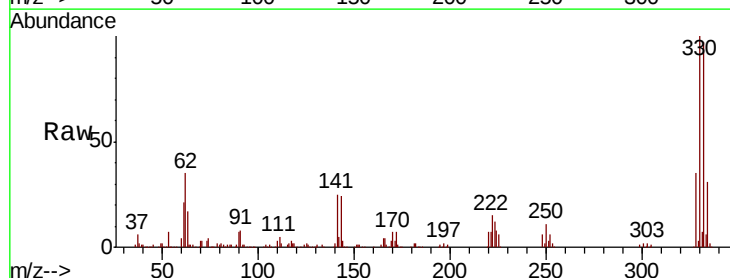
Tgt Ion:248 Resp: 18416

Ion Ratio Lower Upper

248 100

250 196.7 78.3 117.5#

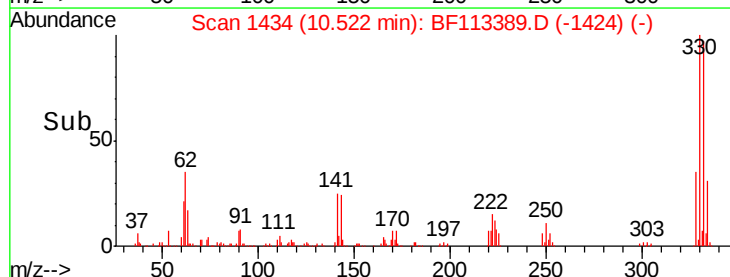
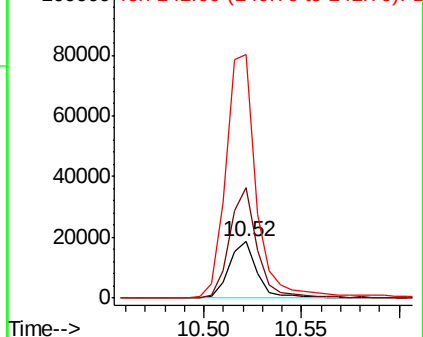
141 434.0 56.2 84.4#

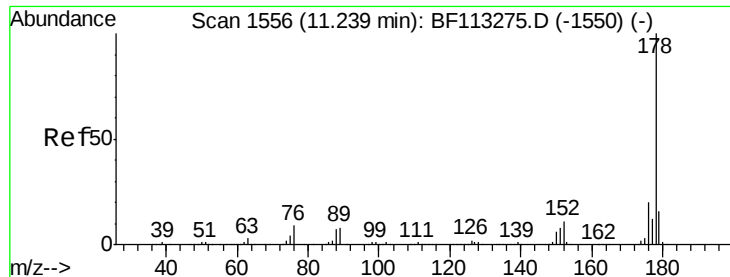


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.875 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-B

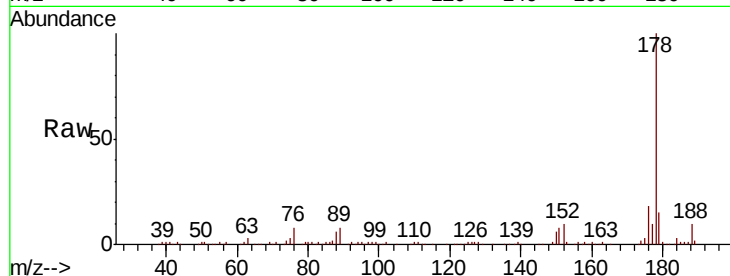
Tgt Ion:178 Resp: 134665

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.2

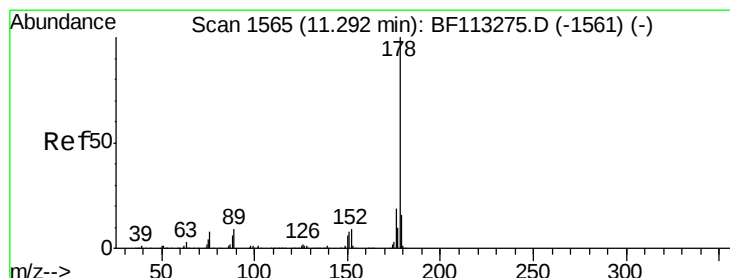
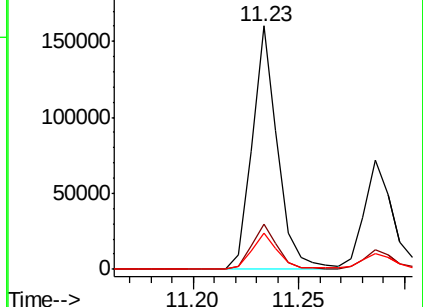
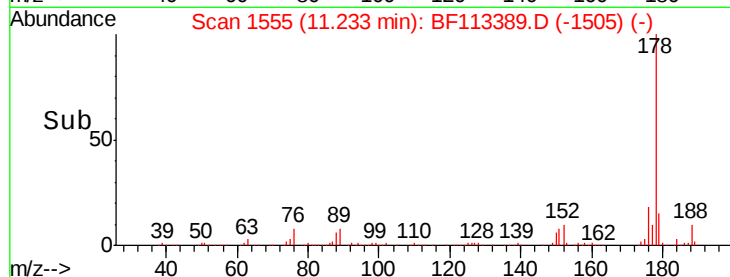
179 15.1 12.7 19.1



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: 2.531 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

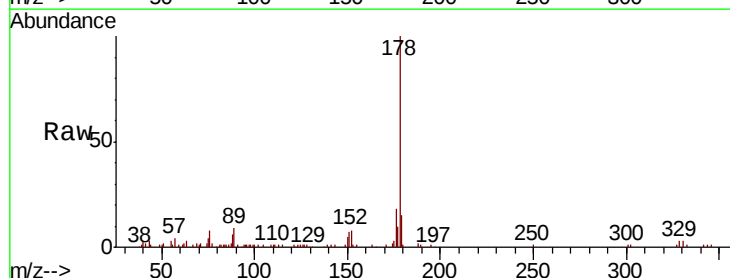
Tgt Ion:178 Resp: 71034

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

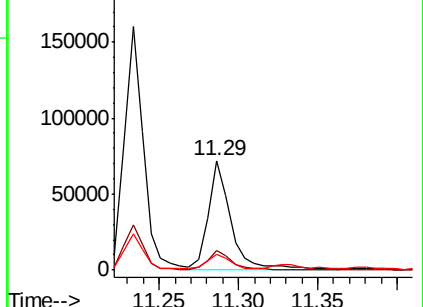
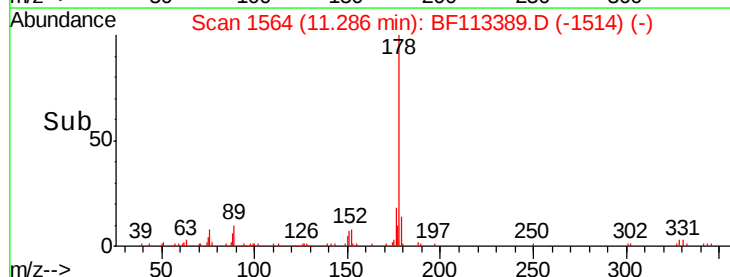
179 14.8 12.8 19.2

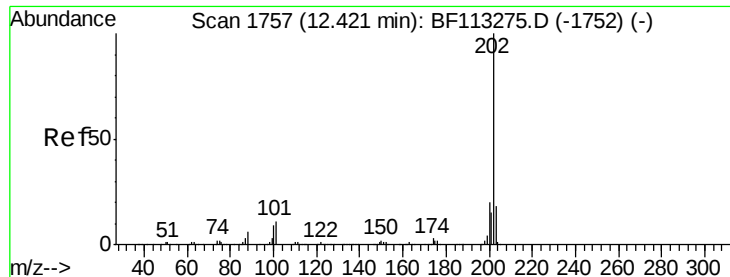


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.448 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-B

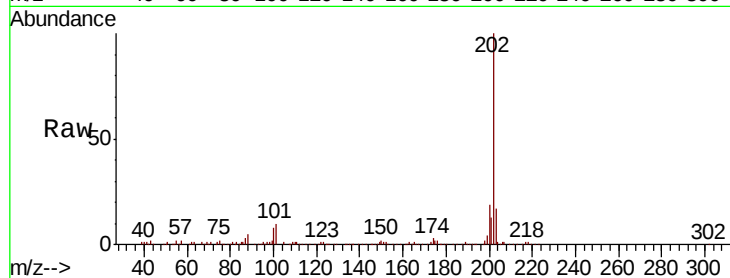
Tgt Ion:202 Resp: 170140

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.4

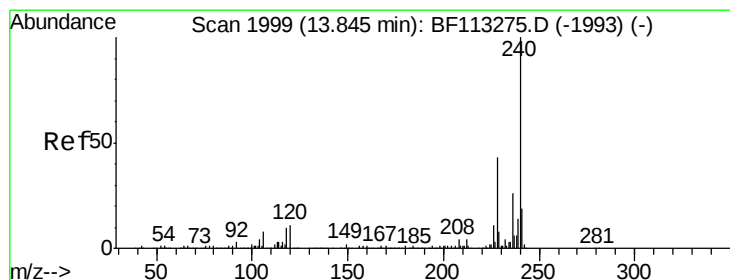
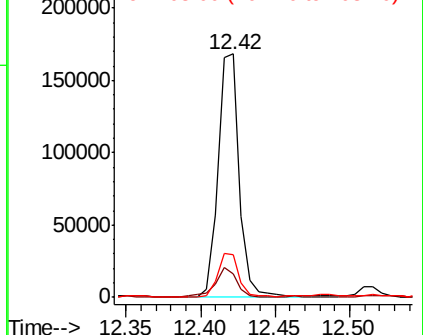
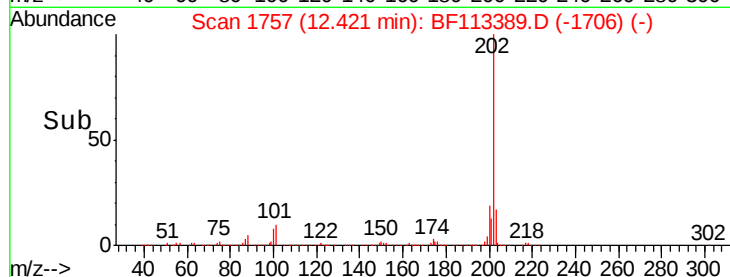
203 17.3 0.0 38.0



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

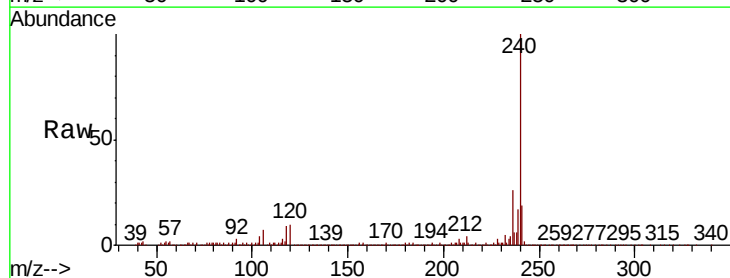
Tgt Ion:240 Resp: 441573

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

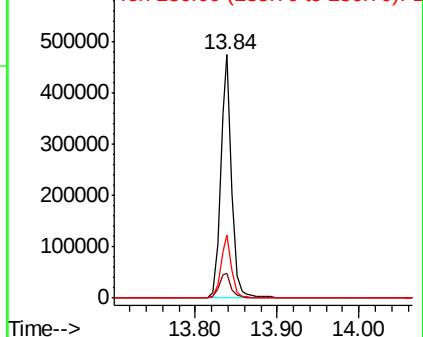
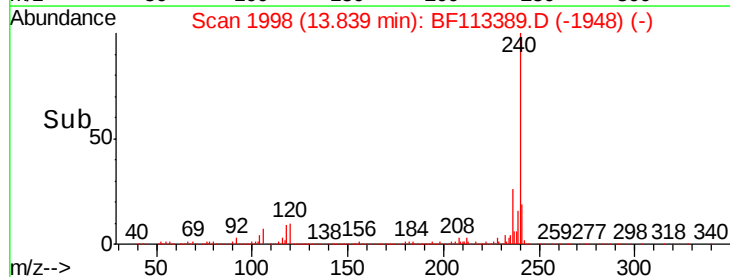
236 25.7 20.9 31.3

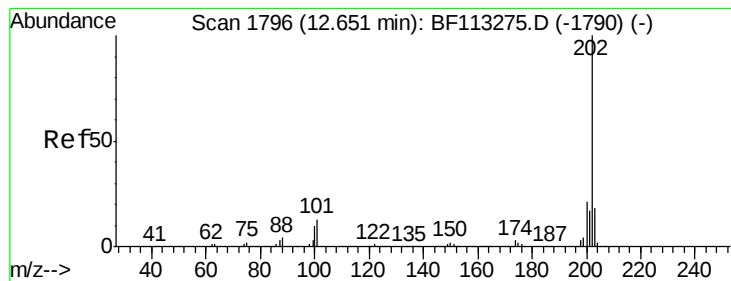


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 4.426 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-B

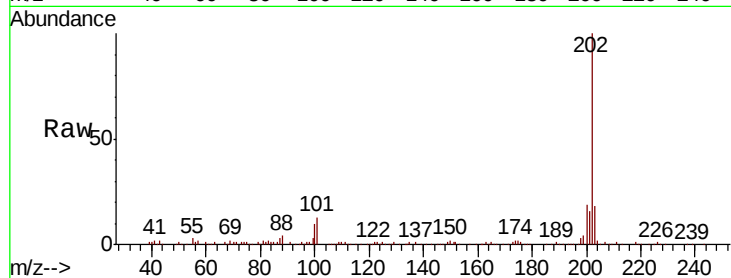
Tgt Ion: 202 Resp: 135441

Ion Ratio Lower Upper

202 100

200 19.1 16.8 25.2

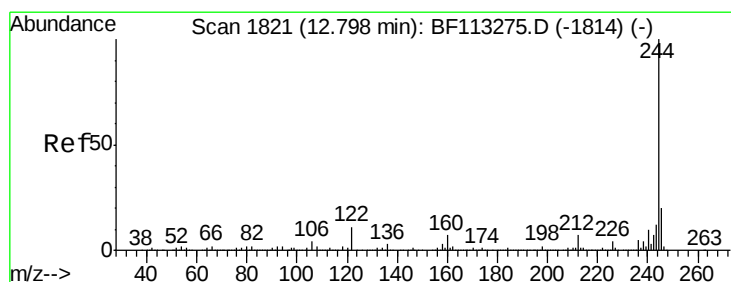
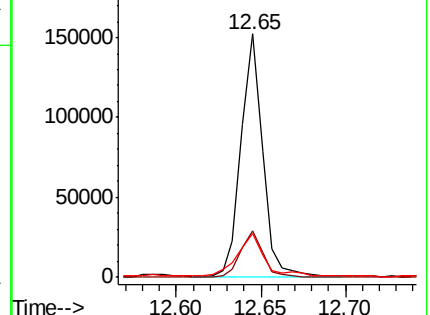
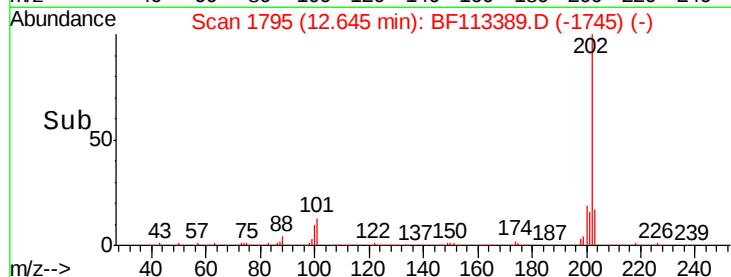
203 17.8 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 59.304 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

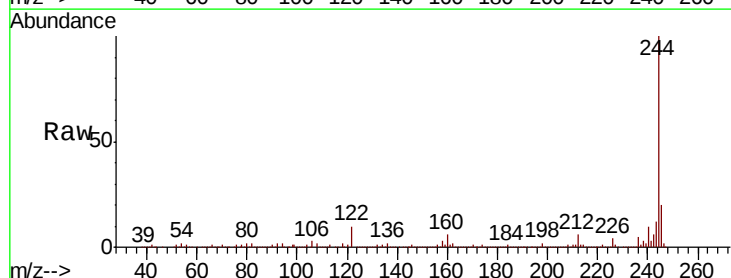
Tgt Ion: 244 Resp: 1188077

Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

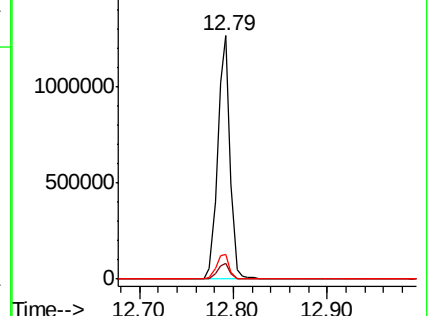
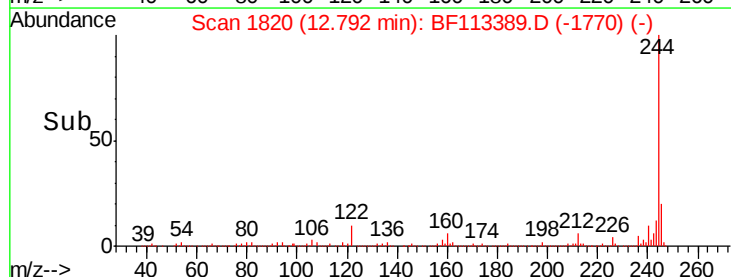
122 10.3 8.6 13.0

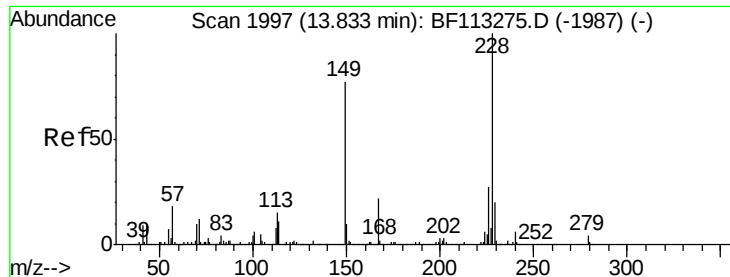


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.510 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-B

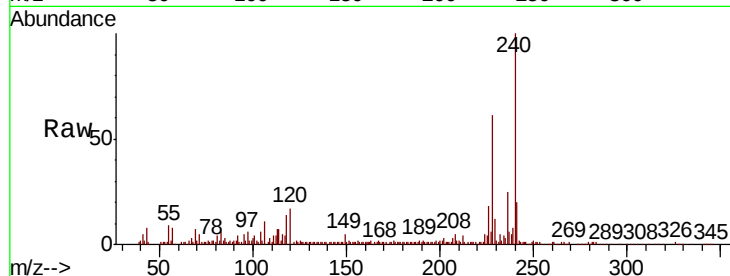
Tgt Ion:228 Resp: 63433

Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.8

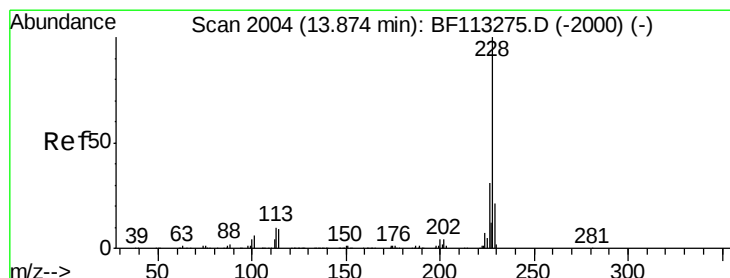
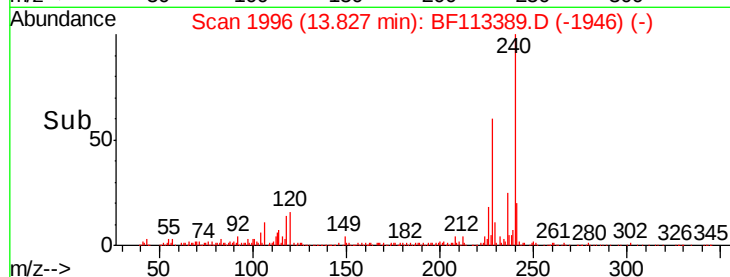
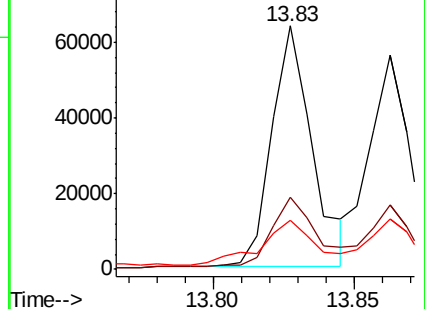
229 20.2 16.2 24.4



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: 2.197 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113389.D

Acq: 28 Mar 2019 22:27

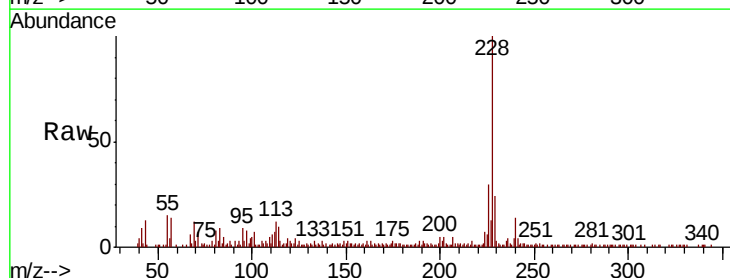
Tgt Ion:228 Resp: 56401

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

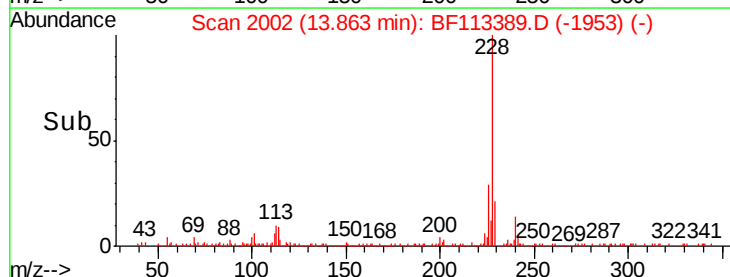
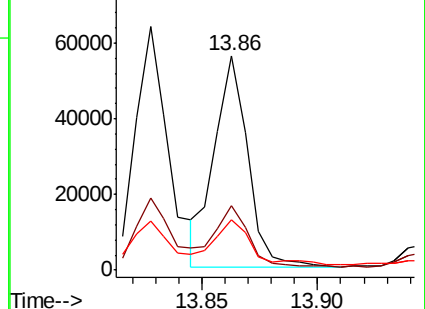
229 23.5 16.3 24.5

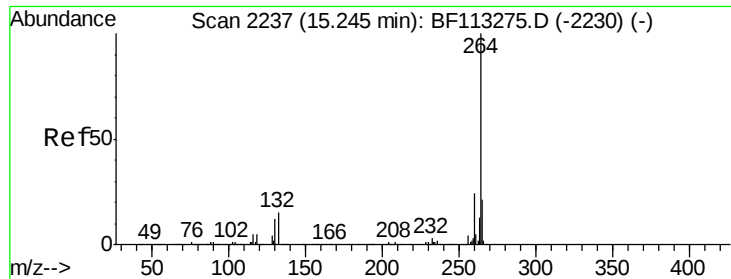


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

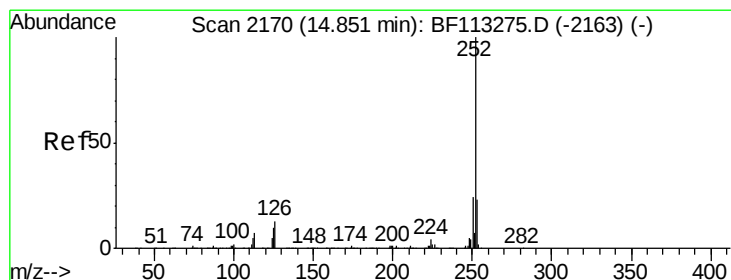
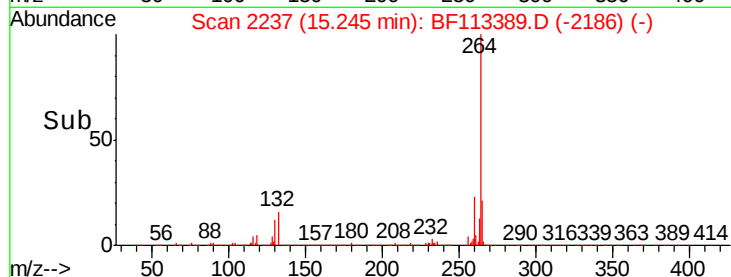
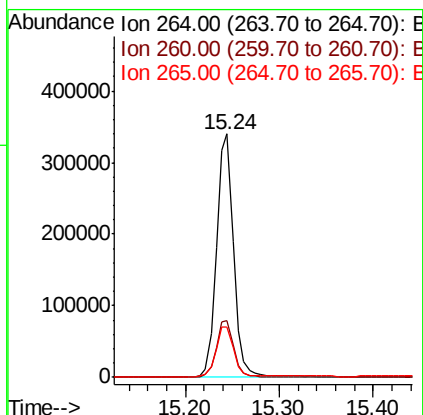
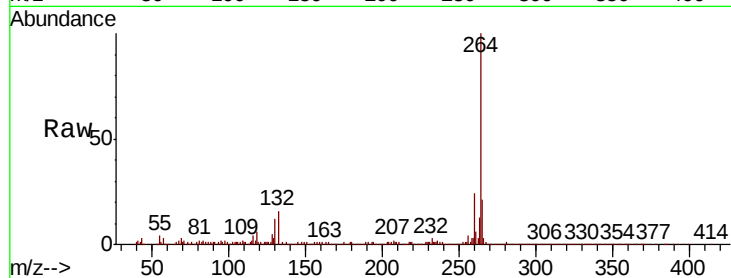




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

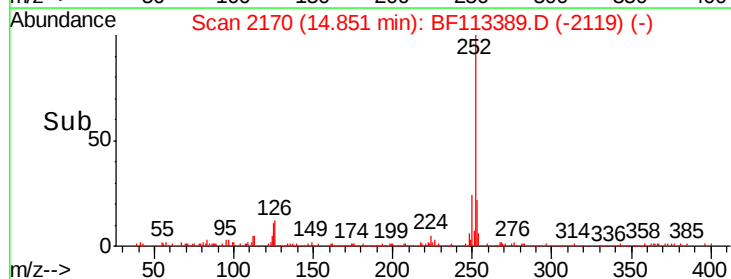
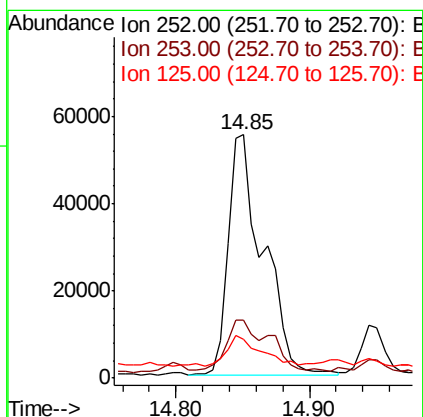
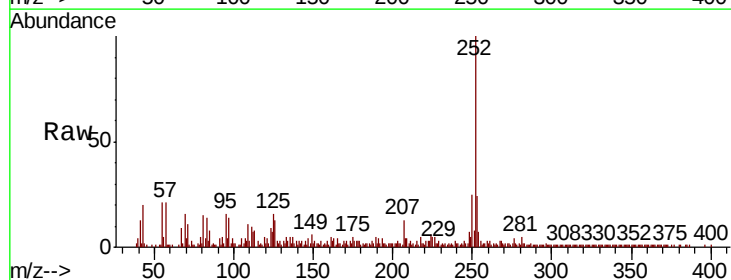
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

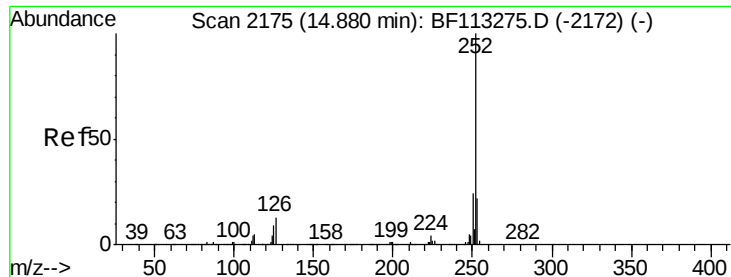
Tgt Ion:264 Resp: 428448
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 20.8 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 3.802 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Tgt Ion:252 Resp: 101181
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 16.2 7.6 11.4#

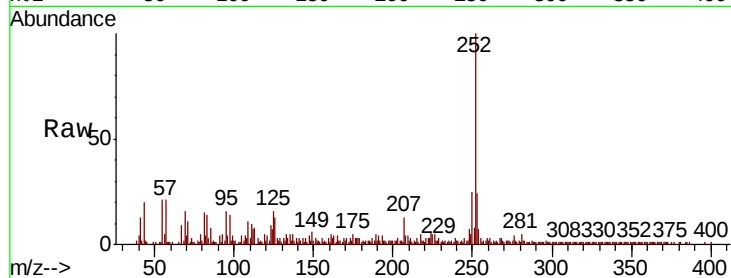




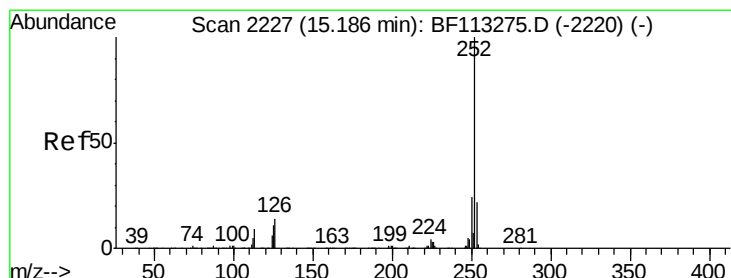
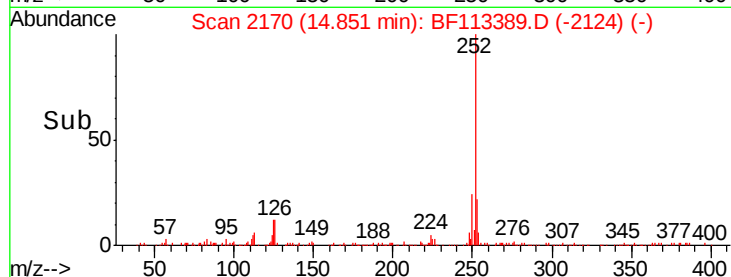
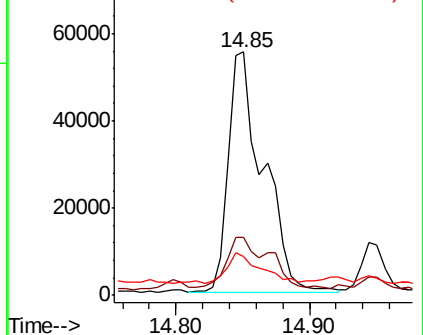
#89
Benzo(k)fluoranthene
Concen: 4.329 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-B

Tgt Ion:252 Resp: 101181
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 16.2 7.3 10.9#

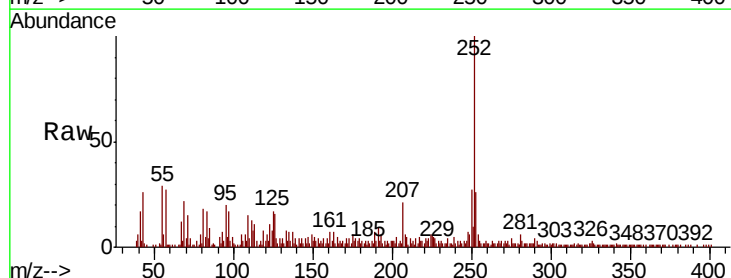


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.245 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113389.D
Acq: 28 Mar 2019 22:27

Tgt Ion:252 Resp: 52982
Ion Ratio Lower Upper
252 100
253 26.1 17.9 26.9
125 17.5 8.8 13.2#



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

