

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114962.D
 Acq On : 11 Jun 2019 23:46
 Operator : HP/JU
 Sample : K3248-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-042-A

Quant Time: Jun 12 04:34:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	264341	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	989573	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	441520	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	716714	20.00	ng	0.00
76) Chrysene-d12	13.79	240	555500	20.00	ng	0.00
87) Perylene-d12	15.17	264	427894	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1270752	81.36	ng	0.00
7) Phenol-d6	6.30	99	1564407	83.04	ng	0.00
23) Nitrobenzene-d5	7.22	82	932621	57.91	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	334686	69.68	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1653267	59.43	ng	0.00
79) Terphenyl-d14	12.74	244	1390195	49.77	ng	0.00

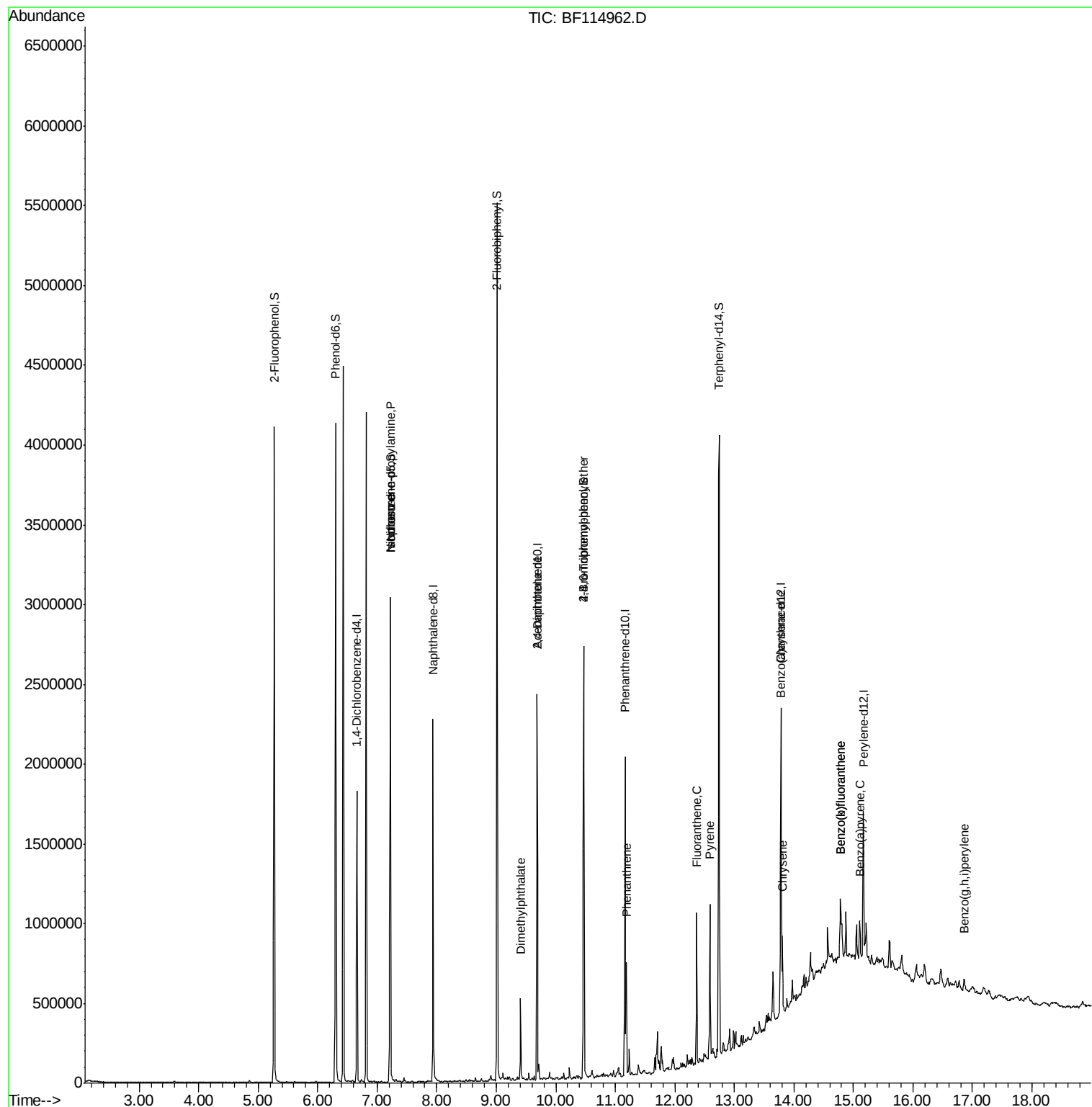
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	122178	10.371	ng	# 75
25) Isophorone	7.22	82	917921	29.105	ng	# 62
50) Dimethylphthalate	9.41	163	218161	6.574	ng	97
57) 2,4-Dinitrotoluene	9.69	165	57087	5.925	ng	# 26
67) 4-Bromophenyl-phenylether	10.47	248	21876	2.818	ng	# 1
71) Phenanthrene	11.19	178	275841	7.933	ng	94
75) Fluoranthene	12.37	202	402561	11.193	ng	93
78) Pyrene	12.59	202	379236	7.839	ng	97
81) Benzo(a)anthracene	13.77	228	191513	4.663	ng	97
83) Chrysene	13.81	228	182281	4.419	ng	97
88) Benzo(b)fluoranthene	14.78	252	249020	8.939	ng	# 95
89) Benzo(k)fluoranthene	14.78	252	249020	10.300	ng	# 94
90) Benzo(a)pyrene	15.11	252	121289	5.013	ng	# 94
92) Benzo(a,h,i)perylene	16.86	276	61485	3.018	ng	91

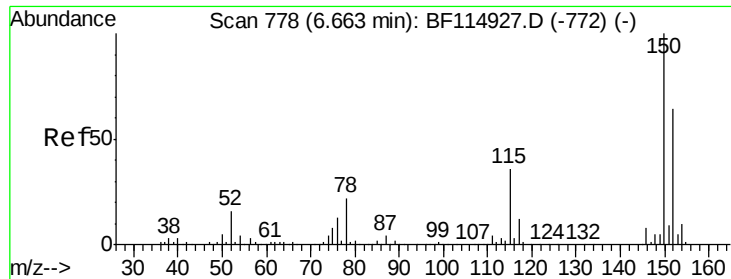
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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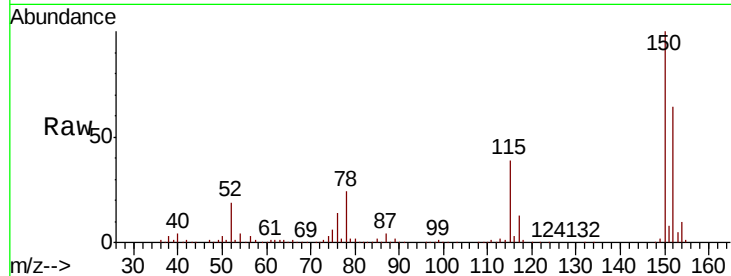


#1

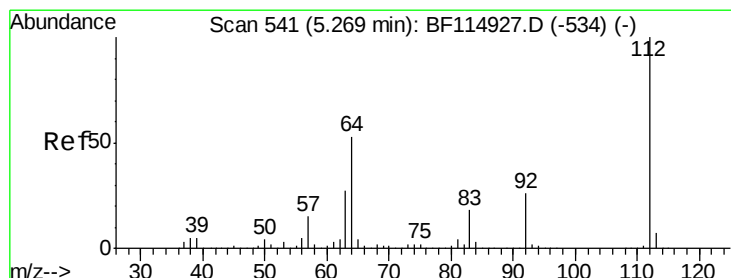
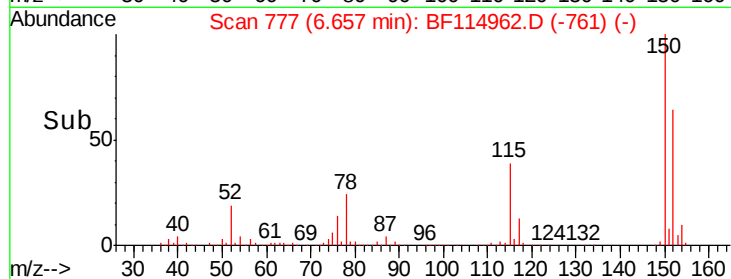
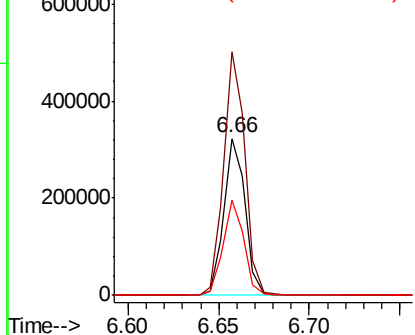
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion:152 Resp: 264341
Ion Ratio Lower Upper
152 100
150 155.1 125.2 187.8
115 60.3 45.0 67.4



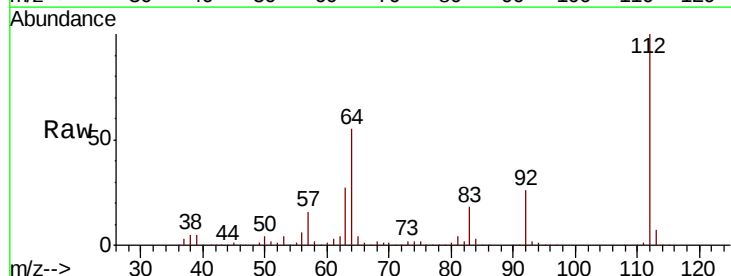
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



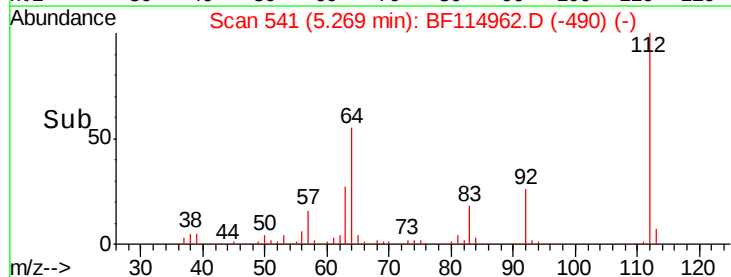
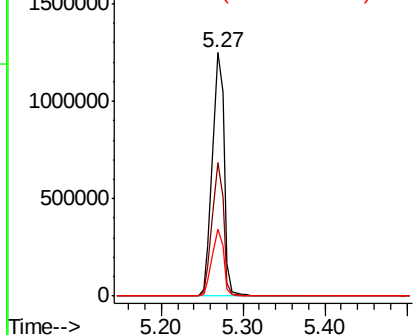
#5

2-Fluorophenol
Concen: 81.359 ng
RT: 5.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion:112 Resp: 1270752
Ion Ratio Lower Upper
112 100
64 54.8 42.1 63.1
63 27.4 21.8 32.8



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: 83.038 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-042-A

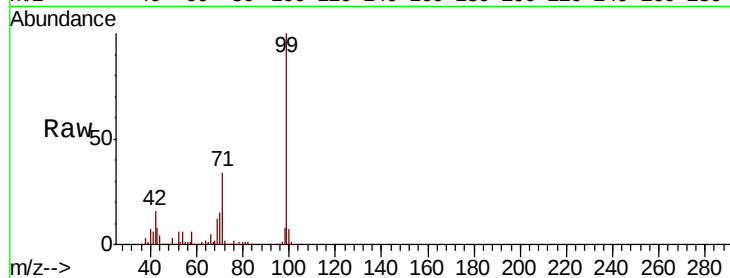
Tot Ion: 99 Resp: 1564407

Ion Ratio Lower Upper

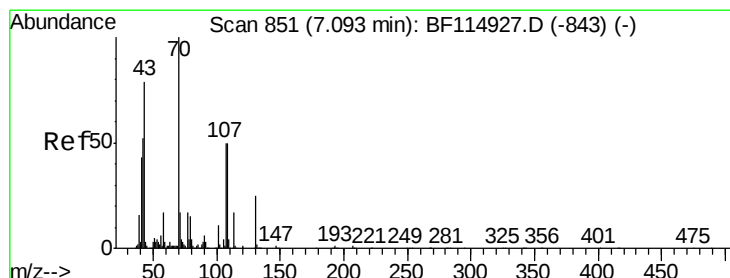
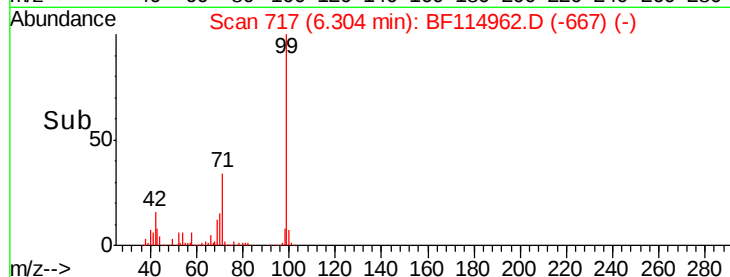
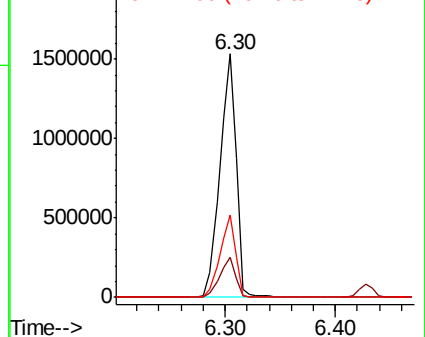
99 100

42 16.4 13.1 19.7

71 33.8 26.8 40.2



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: 10.371 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Tgt Ion: 70 Resp: 122178

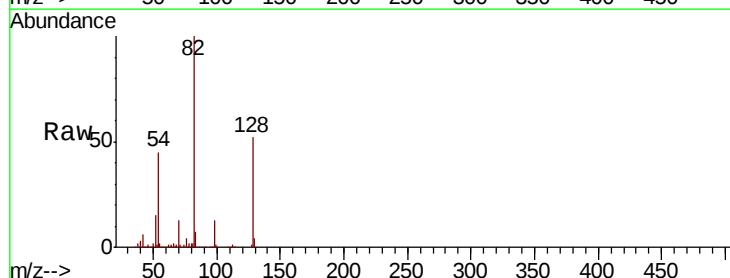
Ion Ratio Lower Upper

70 100

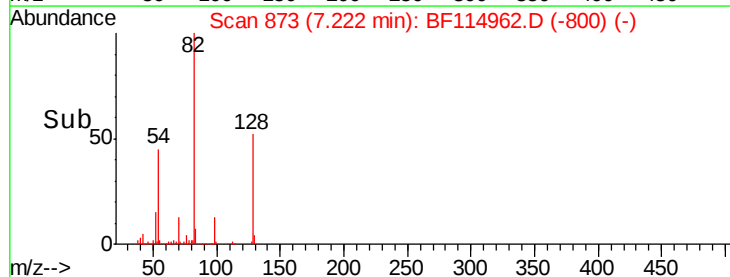
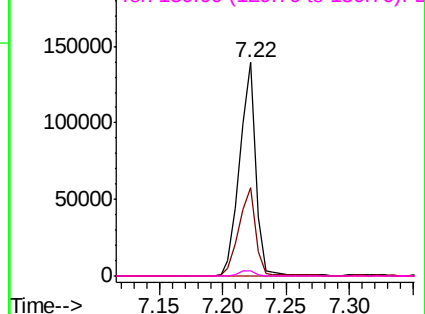
42 41.5 41.7 62.5#

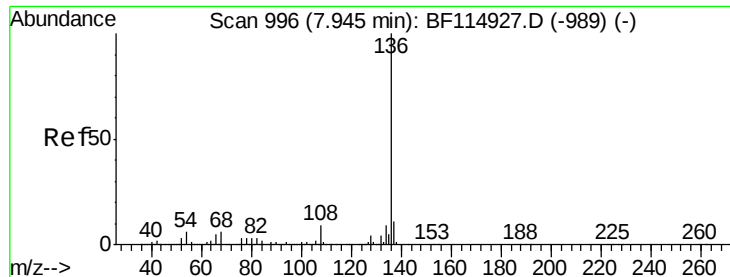
101 0.0 8.4 12.6#

130 2.6 19.9 29.9#



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: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-042-A

Tot Ion:136 Resp: 989573

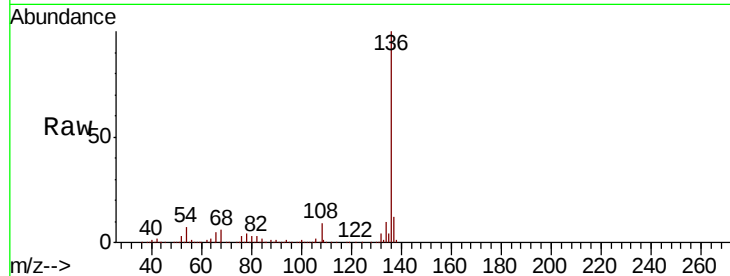
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 7.0 5.2 7.8

68 5.9 4.6 7.0

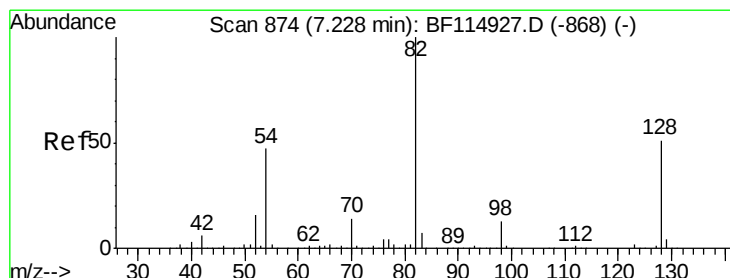
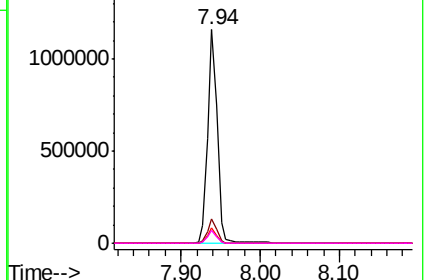
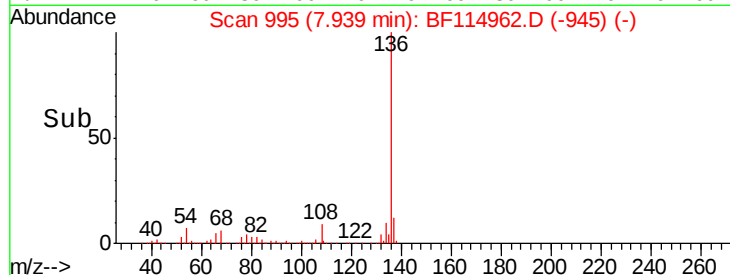


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.906 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

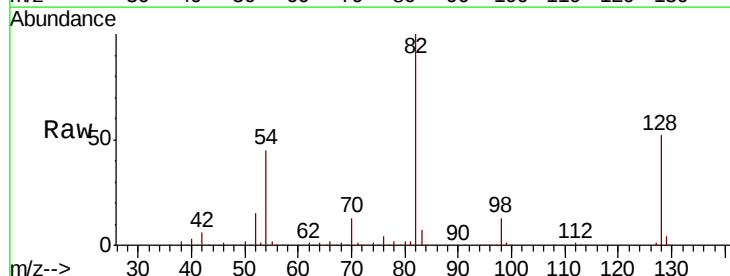
Tgt Ion: 82 Resp: 932621

Ion Ratio Lower Upper

82 100

128 51.7 40.9 61.3

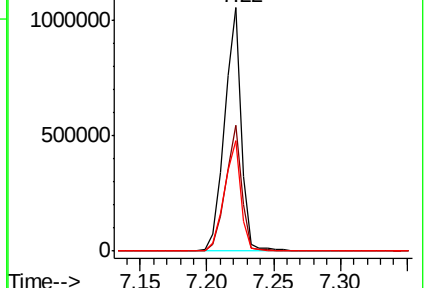
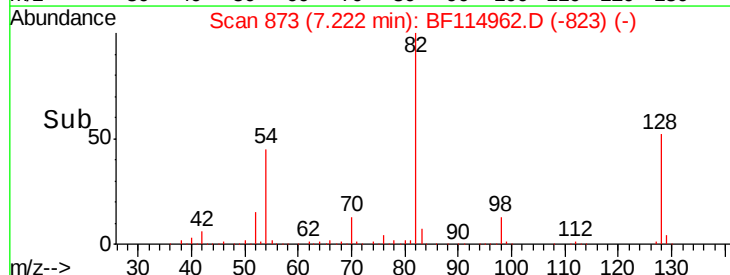
54 45.3 37.4 56.0

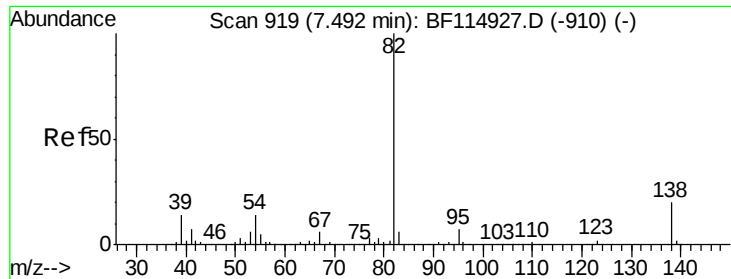


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.105 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.27 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-042-A

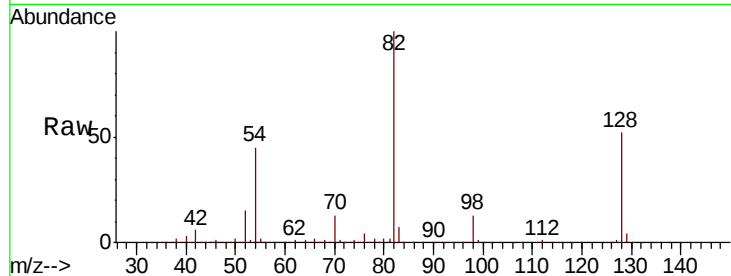
Tot Ion: 82 Resp: 917921

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

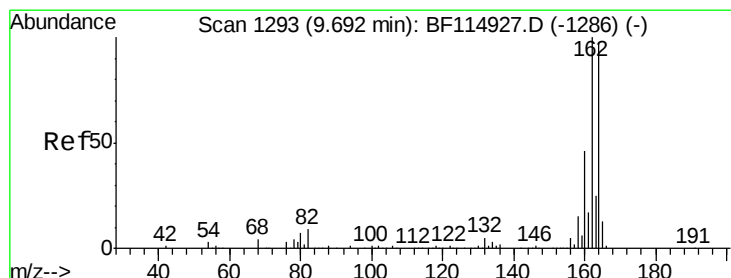
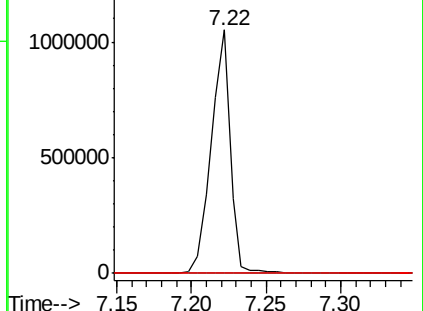
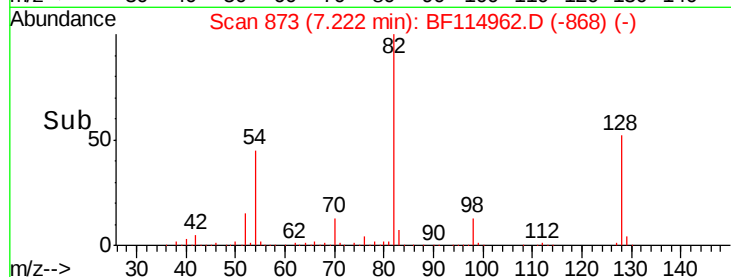
138 0.0 16.4 24.6#



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: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

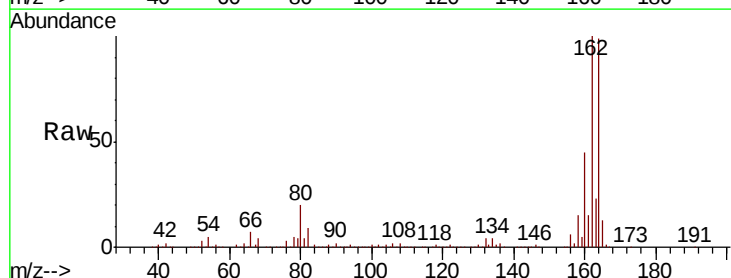
Tgt Ion: 164 Resp: 441520

Ion Ratio Lower Upper

164 100

162 100.8 82.4 123.6

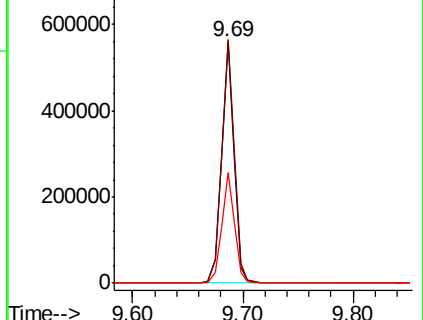
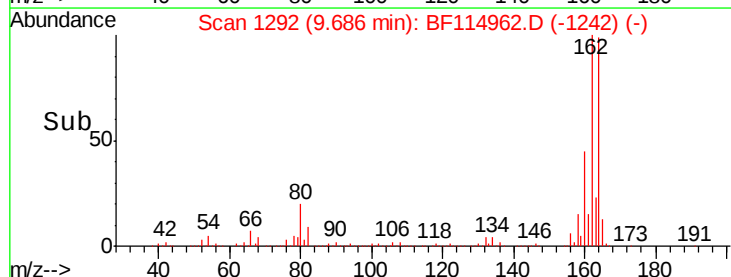
160 45.6 37.5 56.3

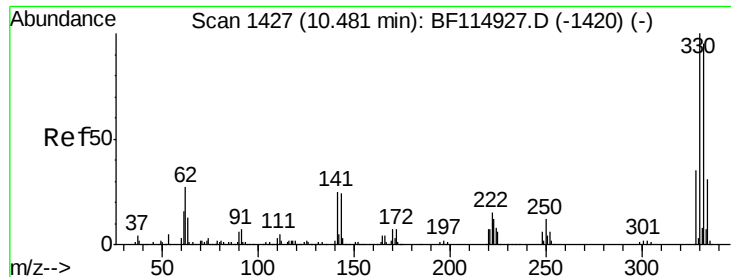


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

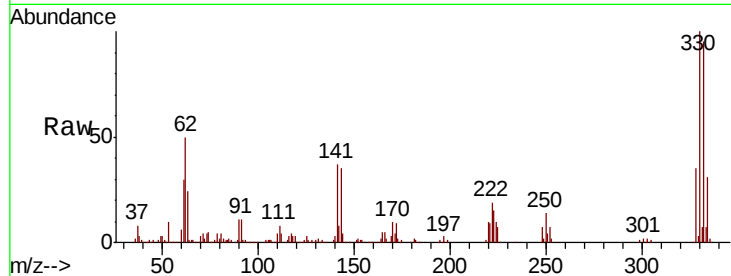




#42
 2,4,6-Tribromophenol
 Concen: 69.684 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF114962.D
 Acq: 11 Jun 2019 23:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-042-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.4	114.6
141	34.0	26.8	40.2

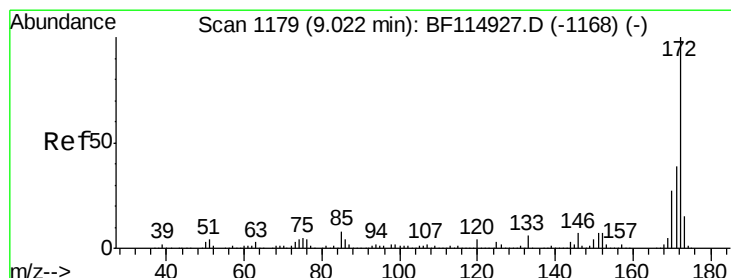
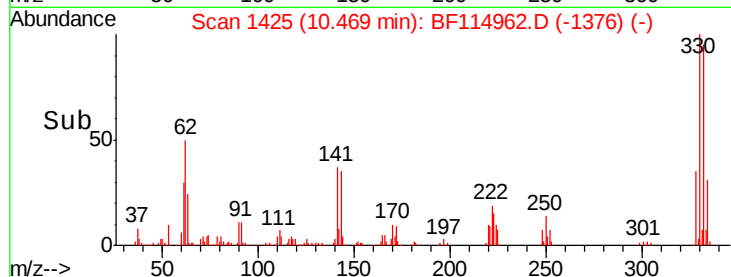
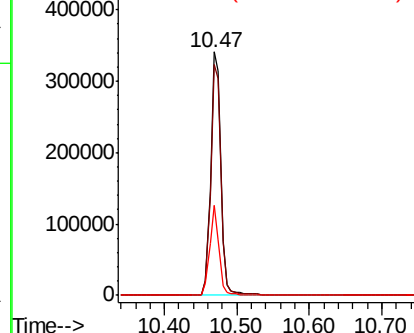


Abundance

Ion 329.80 (329.50 to 330.50): E

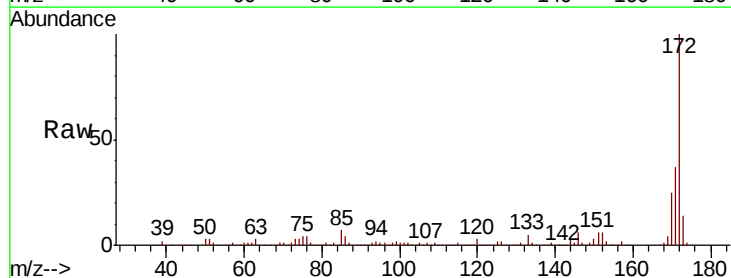
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 59.428 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF114962.D
 Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.3	46.9
170	24.9	21.4	32.0

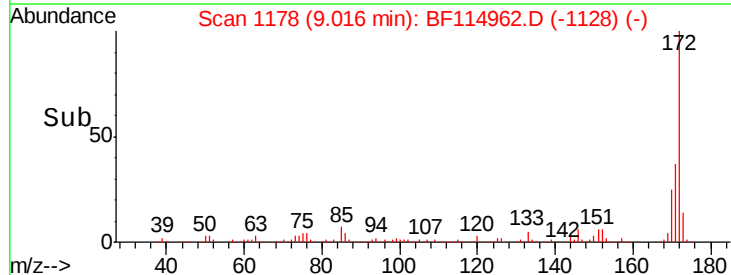
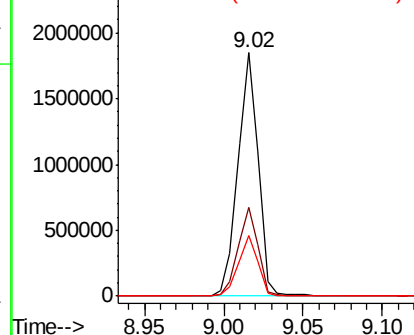


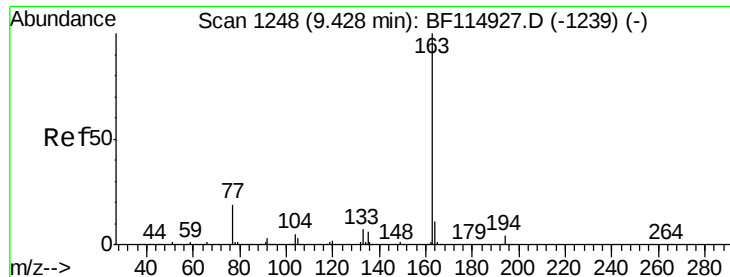
Abundance

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

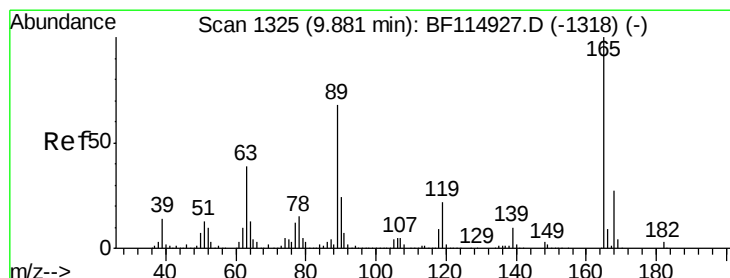
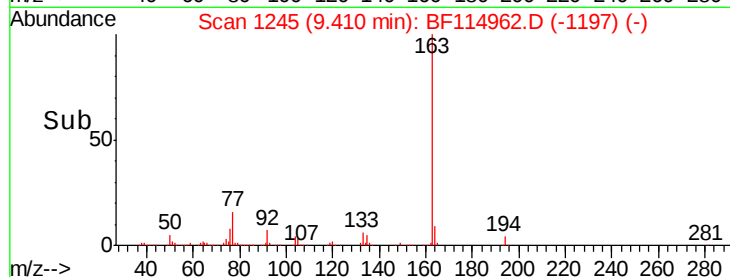
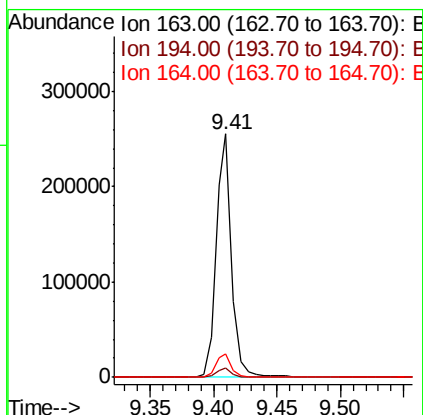
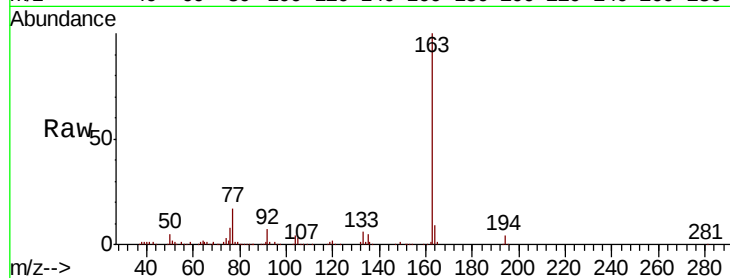




#50
Dimethylphthalate
Concen: 6.574 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

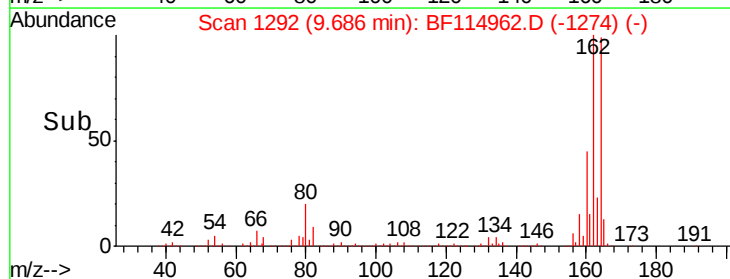
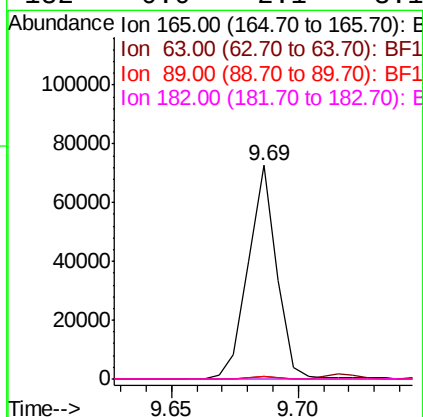
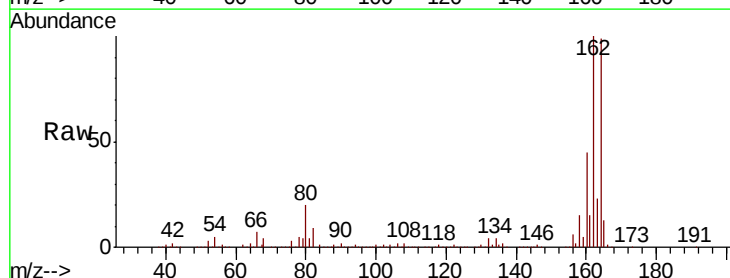
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

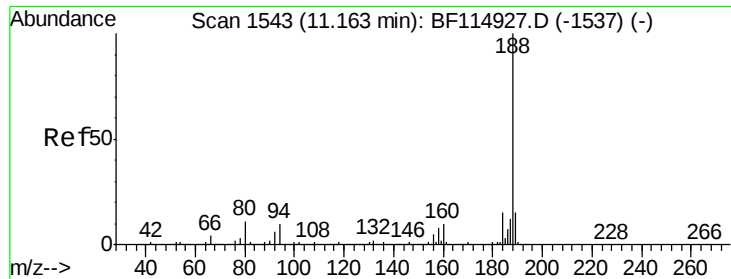
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	9.4	8.7	13.1



#57
2,4-Dinitrotoluene
Concen: 5.925 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.19 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.8	47.6#
89	1.3	54.2	81.2#
182	0.0	2.1	3.1#

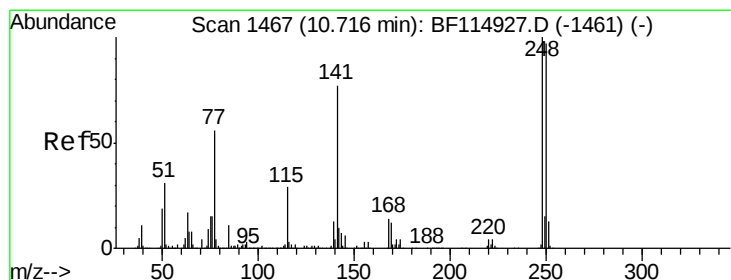
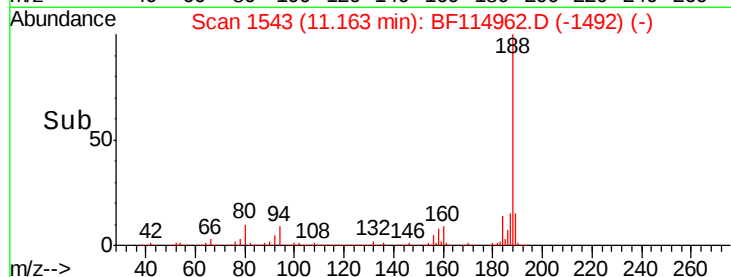
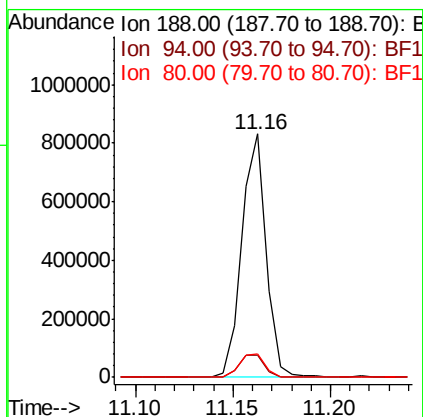
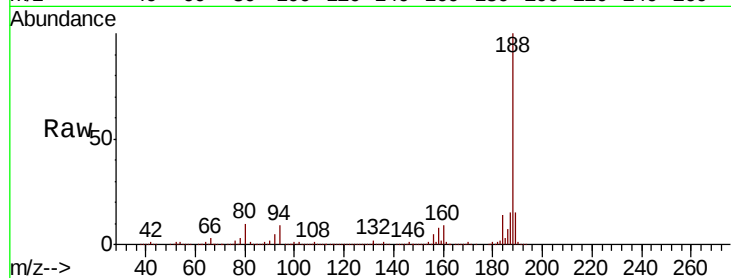




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

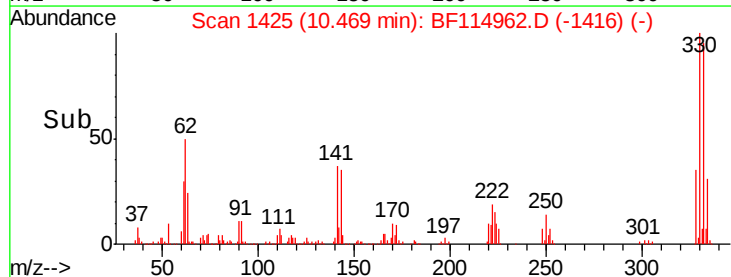
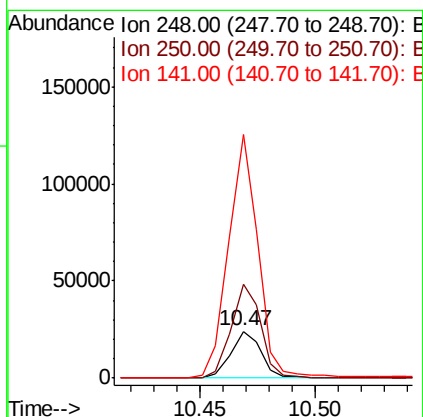
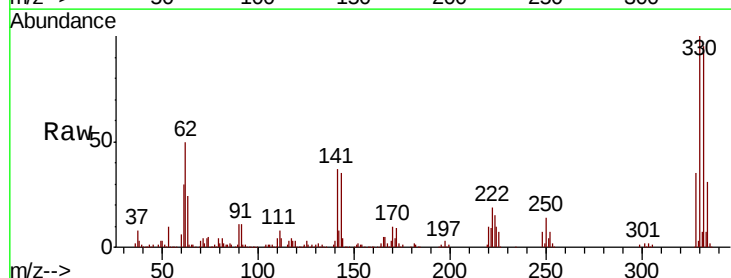
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

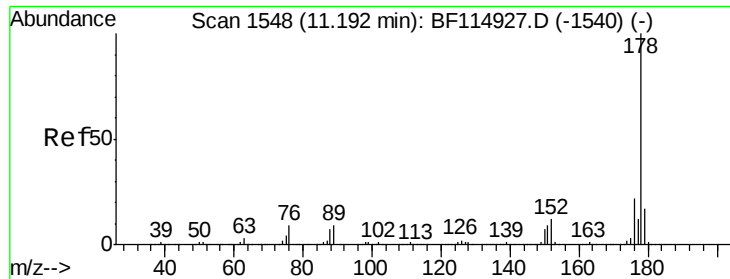
Tot Ion:188 Resp: 716714
Ion Ratio Lower Upper
188 100
94 9.2 8.1 12.1
80 9.7 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 2.818 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.25 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion:248 Resp: 21876
Ion Ratio Lower Upper
248 100
250 200.1 77.4 116.0#
141 517.9 61.8 92.6#

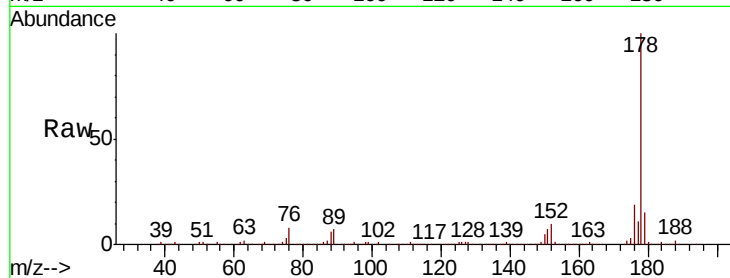




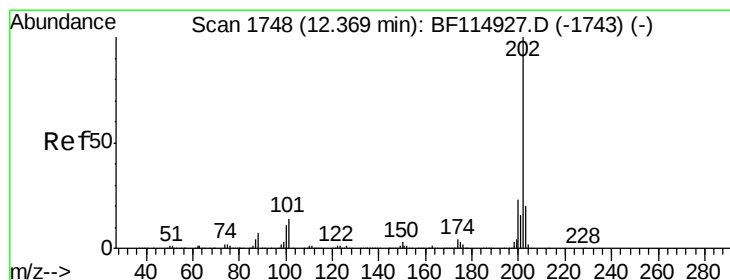
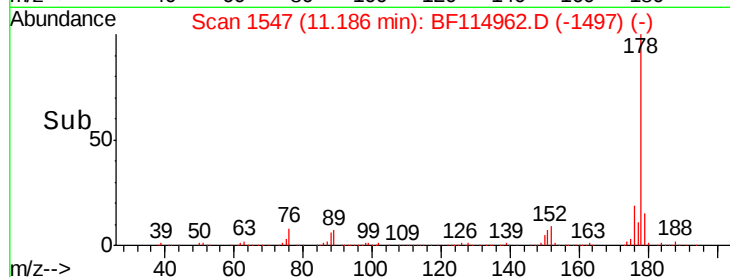
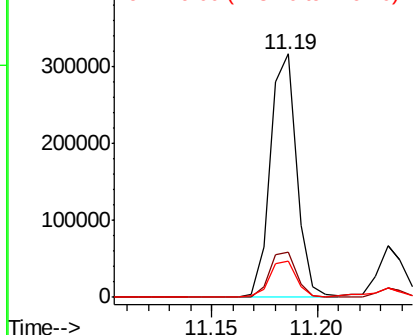
#71
Phenanthrene
Concen: 7.933 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion:178 Resp: 275841
Ion Ratio Lower Upper
178 100
176 18.8 17.4 26.2
179 14.7 13.6 20.4

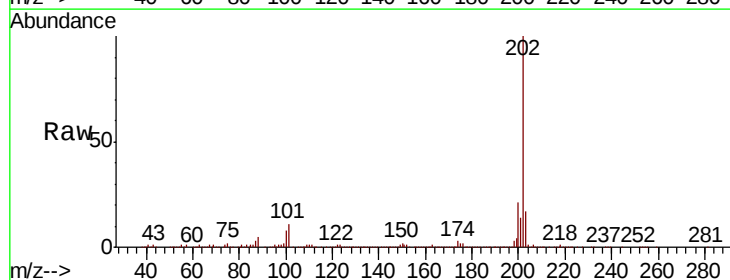


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

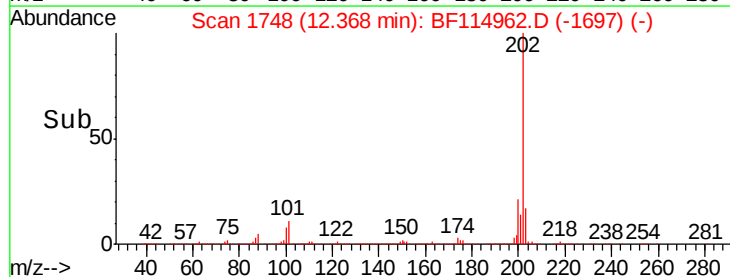
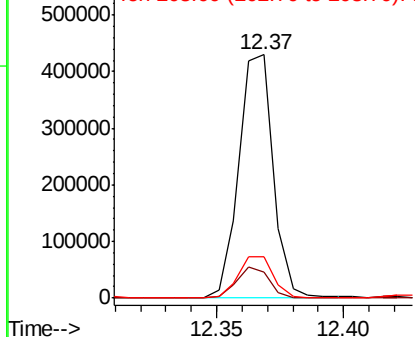


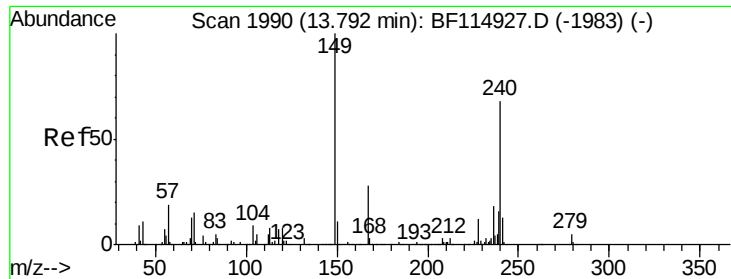
#75
Fluoranthene
Concen: 11.193 ng
RT: 12.37 min Scan# 1748
Delta R.T. -0.00 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion:202 Resp: 402561
Ion Ratio Lower Upper
202 100
101 10.5 0.0 34.3
203 17.0 0.0 39.6



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

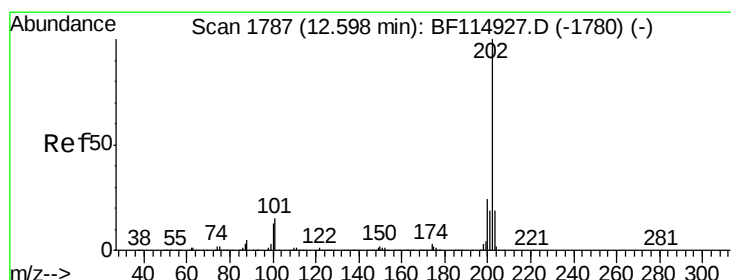
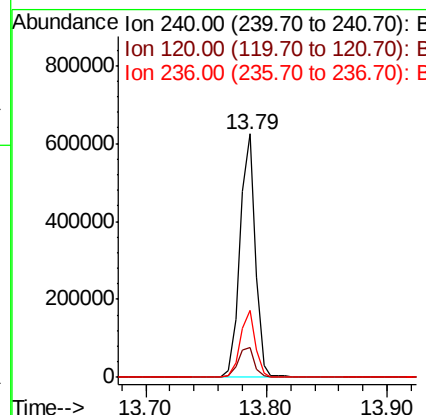
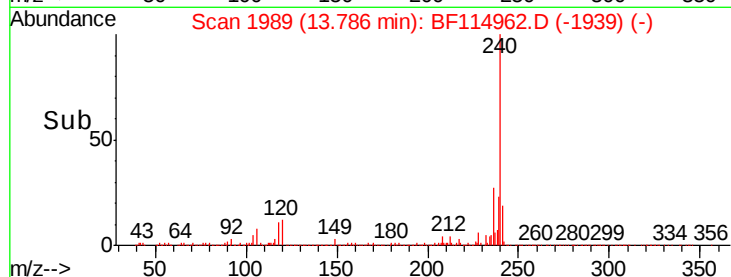
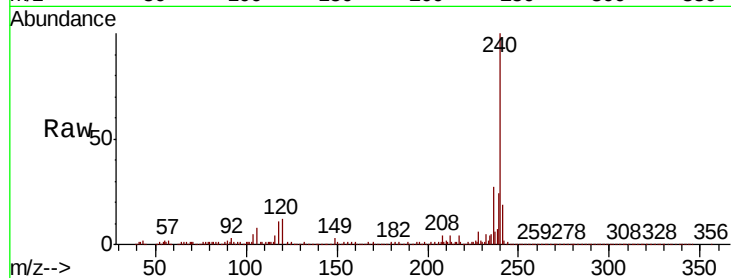




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

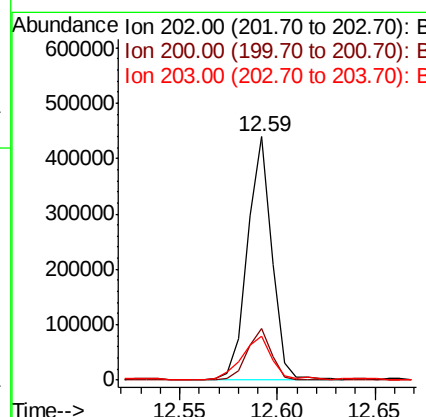
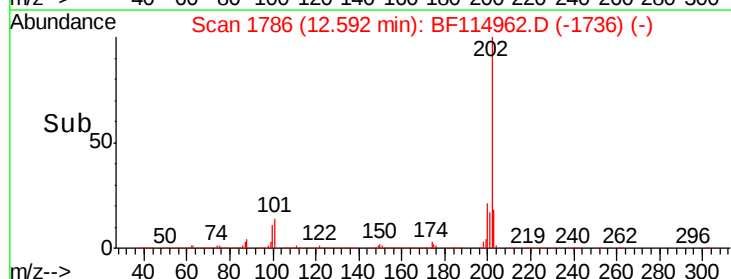
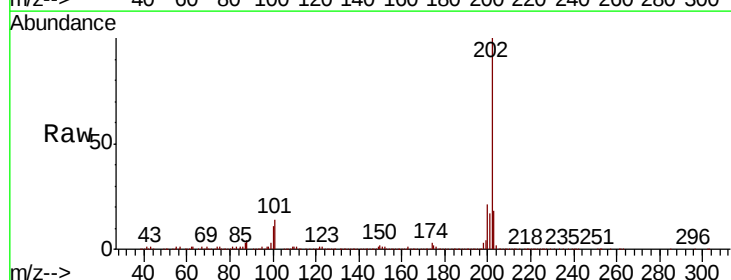
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

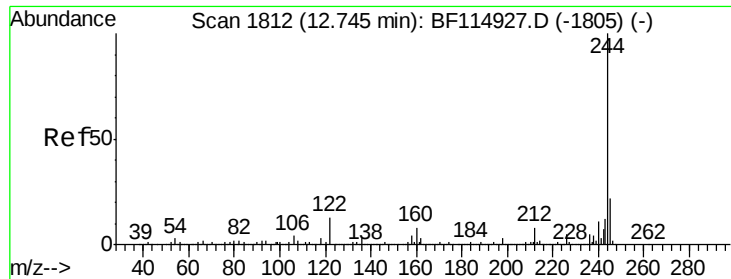
Tot Ion:240 Resp: 555500
Ion Ratio Lower Upper
240 100
120 12.1 9.2 13.8
236 27.4 21.7 32.5



#78
Pyrene
Concen: 7.839 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion:202 Resp: 379236
Ion Ratio Lower Upper
202 100
200 21.4 18.9 28.3
203 18.1 15.2 22.8

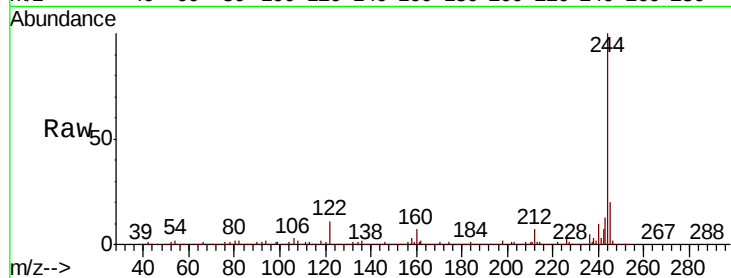




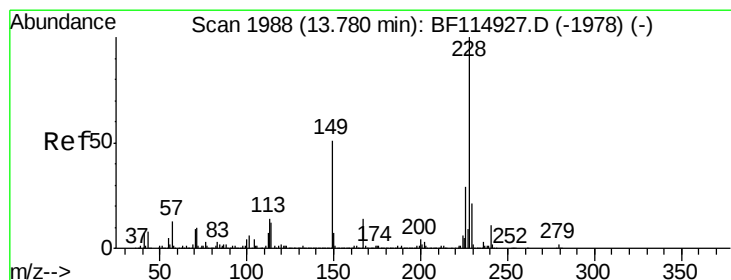
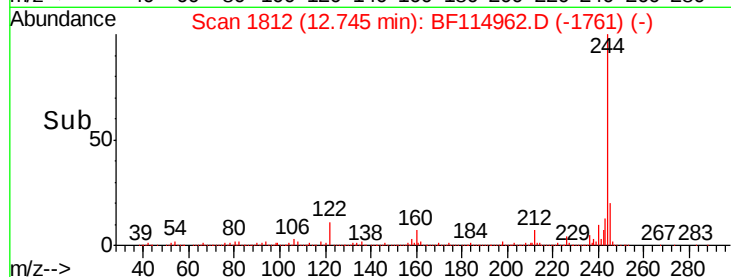
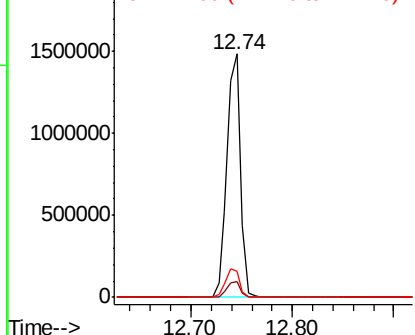
#79
 Terphenyl-d14
 Concen: 49.770 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF114962.D
 Acq: 11 Jun 2019 23:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-042-A

Tot Ion:244 Resp: 1390195
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.2 9.2
 122 10.9 10.2 15.4

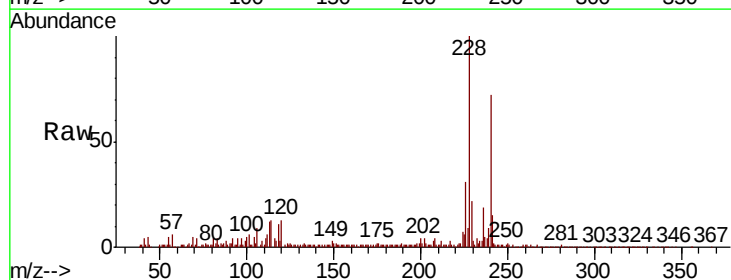


Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

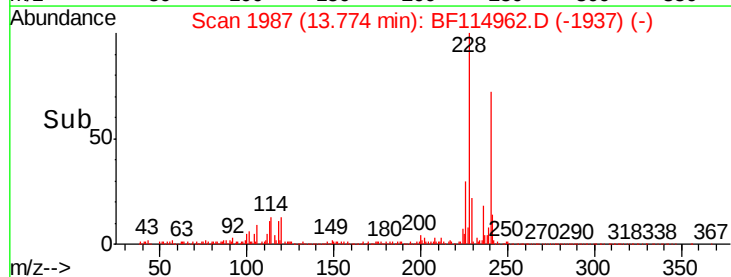
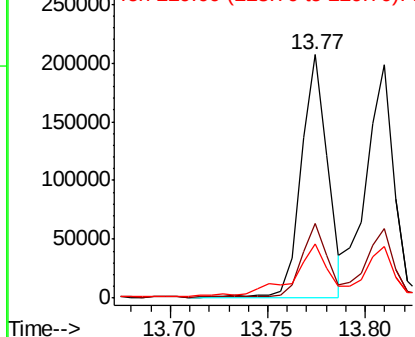


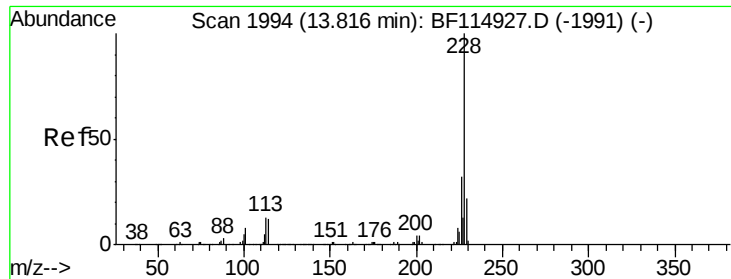
#81
 Benzo(a)anthracene
 Concen: 4.663 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114962.D
 Acq: 11 Jun 2019 23:46

Tgt Ion:228 Resp: 191513
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.8 34.2
 229 22.1 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E
 250000 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

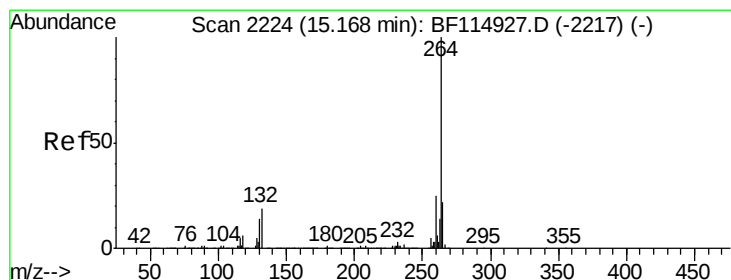
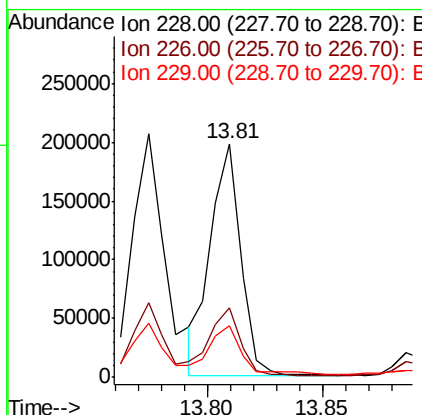
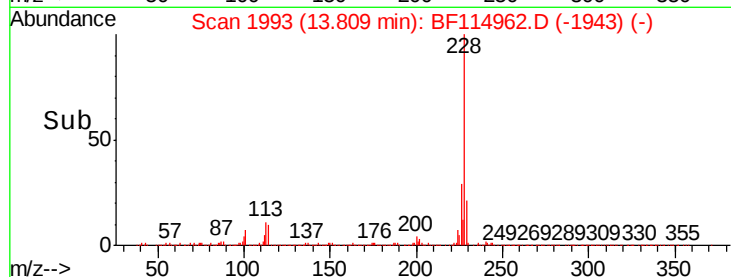
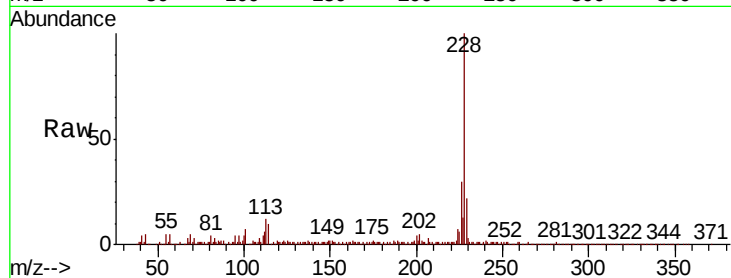




#83
Chrysene
Concen: 4.419 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

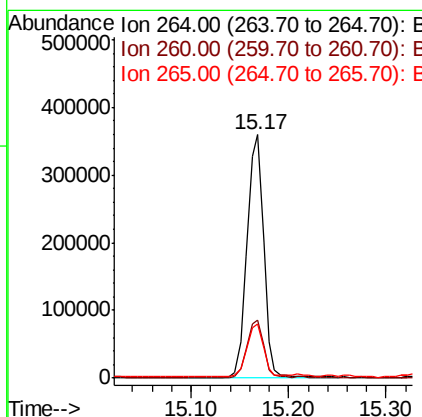
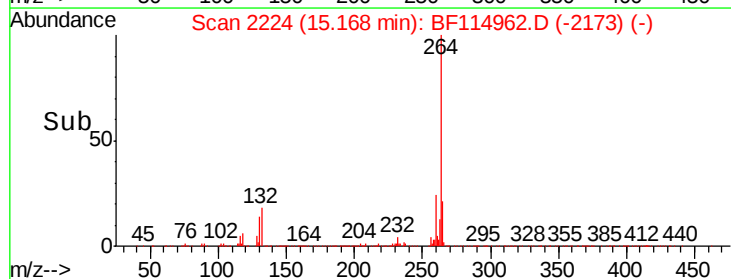
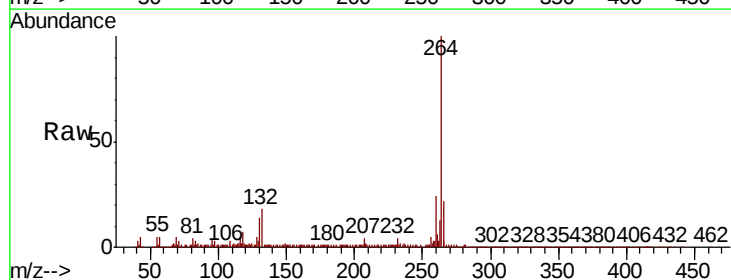
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

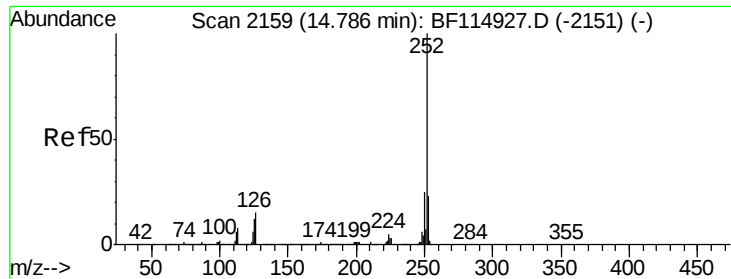
Tot Ion:228 Resp: 182281
Ion Ratio Lower Upper
228 100
226 29.9 25.8 38.8
229 21.9 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion:264 Resp: 427894
Ion Ratio Lower Upper
264 100
260 24.0 19.7 29.5
265 22.0 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 8.939 ng

RT: 14.78 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

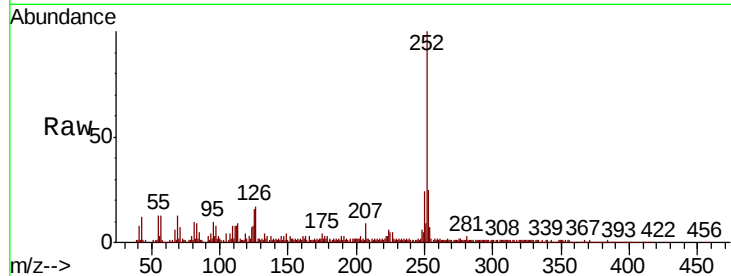
Instrument :

BNA_F

ClientSampleId :

FK-GF-02-042-A

Tot Ion:252	Resp:	249020
Ion Ratio	Lower	Upper
252	100	
253	24.9	18.6 28.0
125	15.6	9.5 14.3#

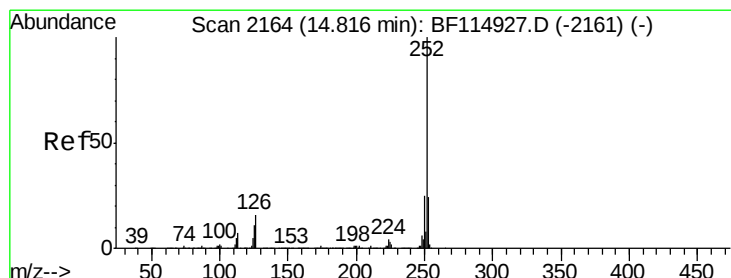
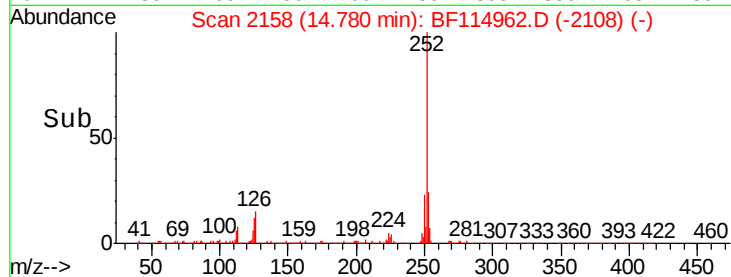
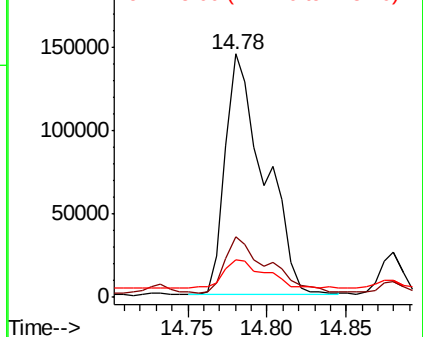


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 10.300 ng

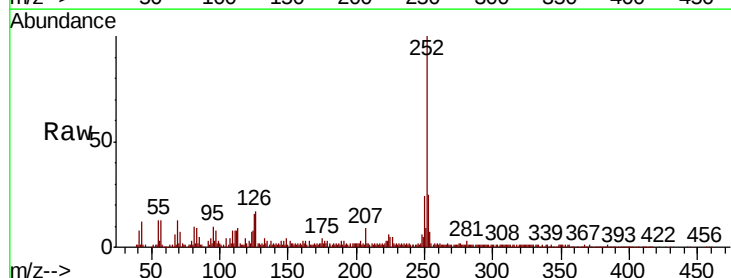
RT: 14.78 min Scan# 2158

Delta R.T. -0.04 min

Lab File: BF114962.D

Acq: 11 Jun 2019 23:46

Tgt Ion:252	Resp:	249020
Ion Ratio	Lower	Upper
252	100	
253	24.9	18.6 28.0
125	15.6	9.2 13.8#

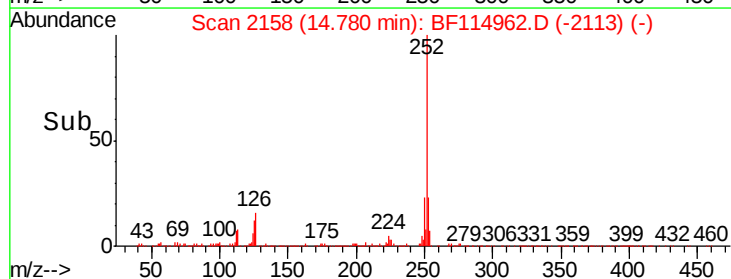
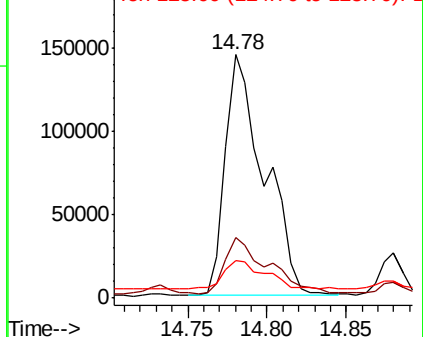


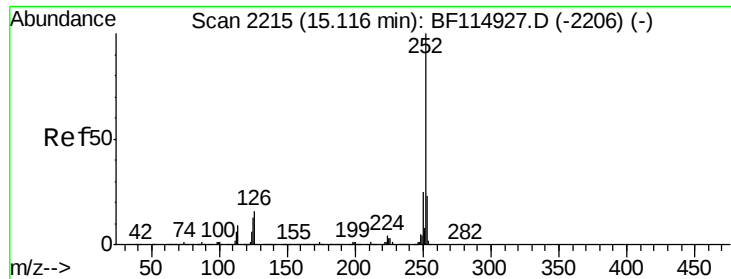
Abundance

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

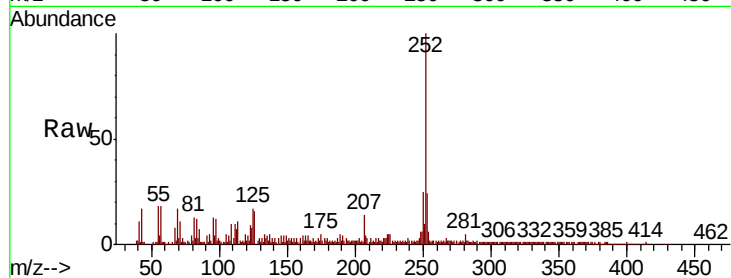




#90
Benzo(a)pyrene
Concen: 5.013 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-042-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	16.9	10.1	15.1#

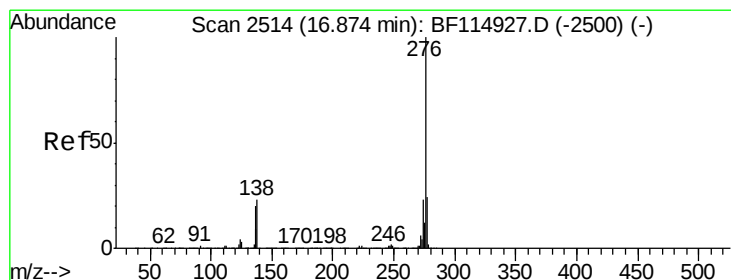
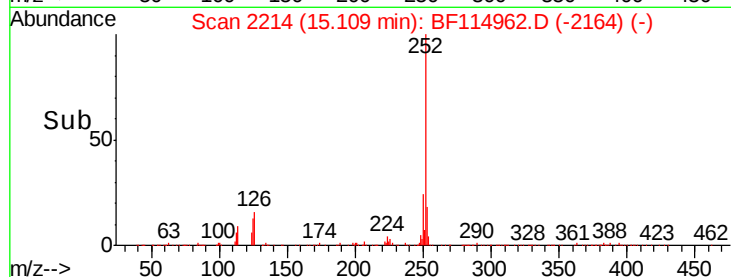
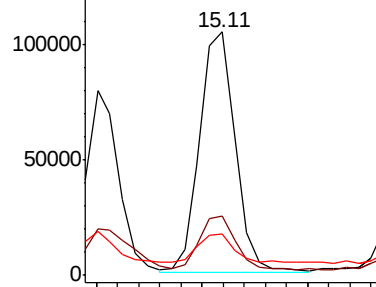


Abundance

Ion 252.00 (251.70 to 252.70): E

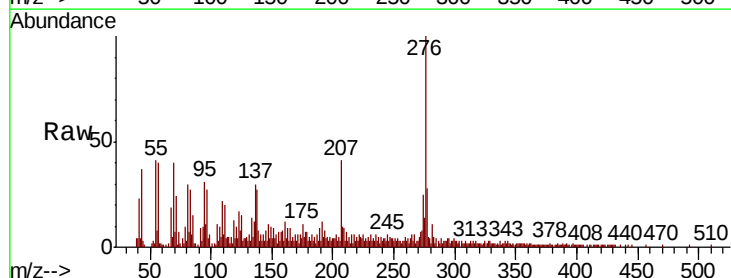
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.018 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF114962.D
Acq: 11 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.0	28.6
138	27.4	18.7	28.1



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

