

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113431.D
 Acq On : 29 Mar 2019 23:44
 Operator : JU/SJ
 Sample : K2131-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-035-A

Quant Time: Mar 30 00:59:23 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	129237	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	482781	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	232471	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	455634	20.00	ng	0.00
76) Chrysene-d12	13.84	240	432540	20.00	ng	0.00
87) Perylene-d12	15.24	264	342274	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	757723	95.87	ng	0.00
7) Phenol-d6	6.35	99	989348	98.95	ng	0.00
23) Nitrobenzene-d5	7.26	82	579347	71.23	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	285819	99.53	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1097308	71.10	ng	0.00
79) Terphenyl-d14	12.79	244	1194822	60.89	ng	0.00

Target Compounds

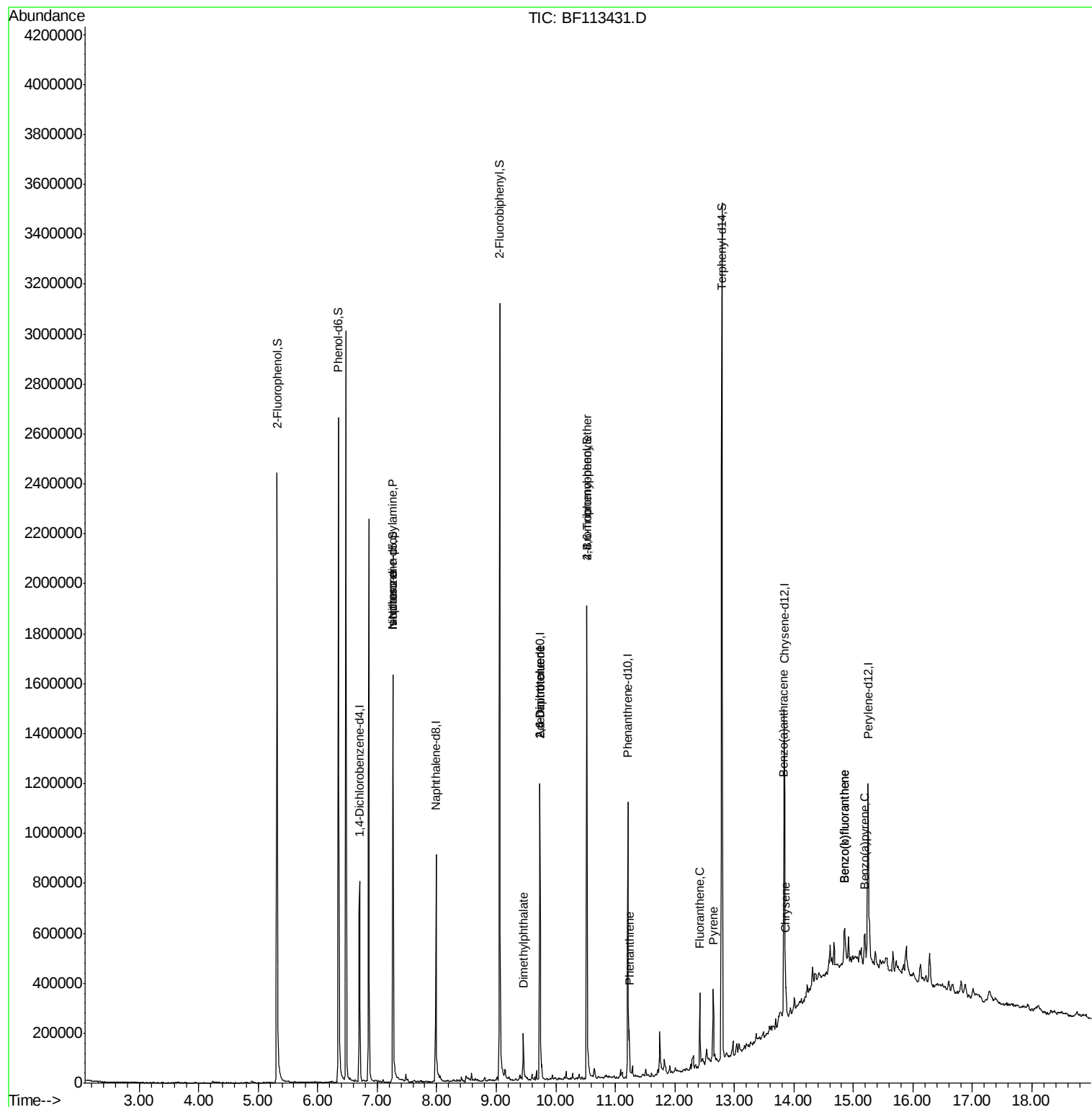
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	73390	11.685	ng	# 77
25) Isophorone	7.26	82	563645	35.757	ng	# 64
50) Dimethylphthalate	9.45	163	80305	4.661	ng	99
51) 2,6-Dinitrotoluene	9.73	165	30681	7.894	ng	# 26
57) 2,4-Dinitrotoluene	9.73	165	30681	6.208	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	15712	3.164	ng	# 1
71) Phenanthrene	11.23	178	58976	2.606	ng	98
75) Fluoranthene	12.42	202	132796	5.192	ng	98
78) Pyrene	12.65	202	124422	4.151	ng	97
81) Benzo(a)anthracene	13.83	228	62533	2.526	ng	97
83) Chrysene	13.86	228	60932	2.423	ng	97
88) Benzo(b)fluoranthene	14.85	252	93957	4.419	ng	# 90
89) Benzo(k)fluoranthene	14.85	252	93957	5.032	ng	# 89
90) Benzo(a)pyrene	15.19	252	47996	2.546	ng	# 87

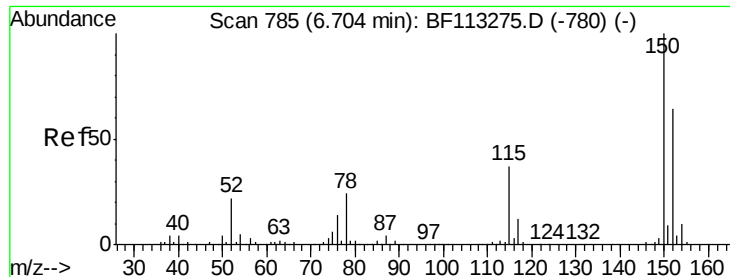
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113431.D
Acq On : 29 Mar 2019 23:44
Operator : JU/SJ
Sample : K2131-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Quant Time: Mar 30 00:59:23 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



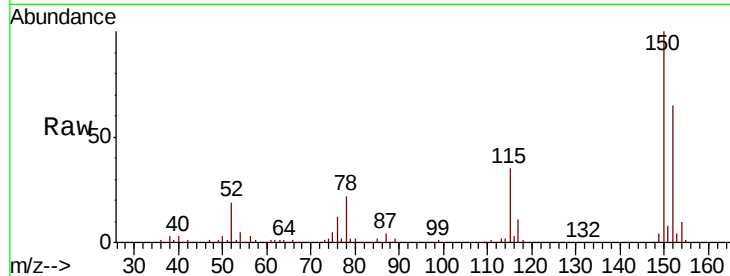


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF113431.D
 Acq: 29 Mar 2019 23:44

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-035-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.7	187.1
115	53.9	46.0	69.0

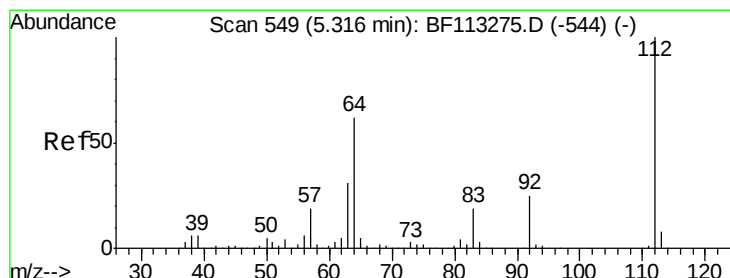
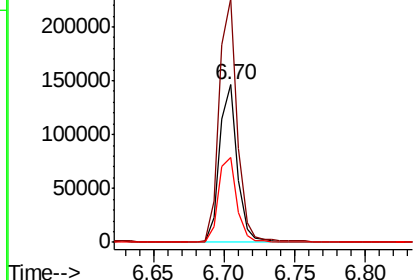
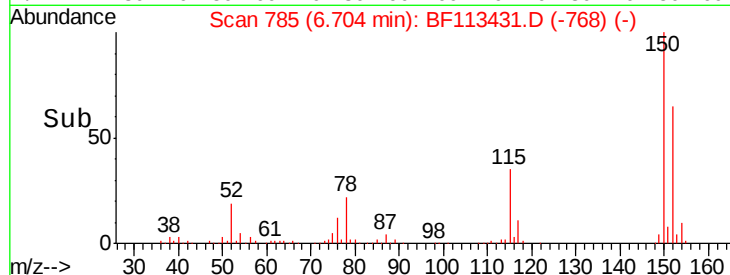


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

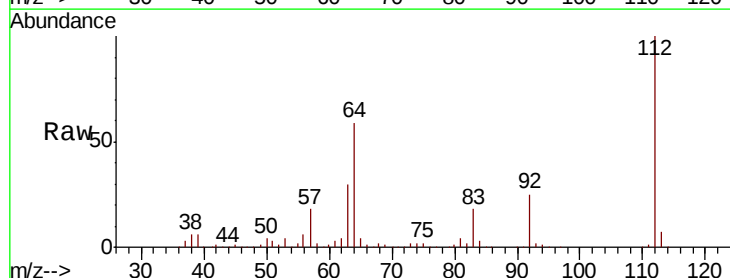
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 95.868 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF113431.D
 Acq: 29 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	49.2	73.8
63	29.7	24.9	37.3

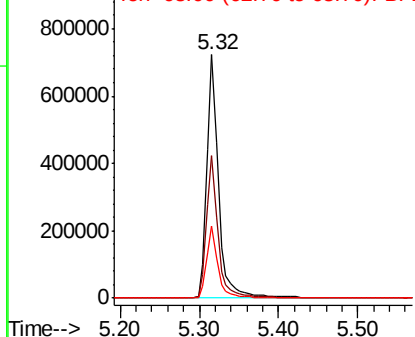
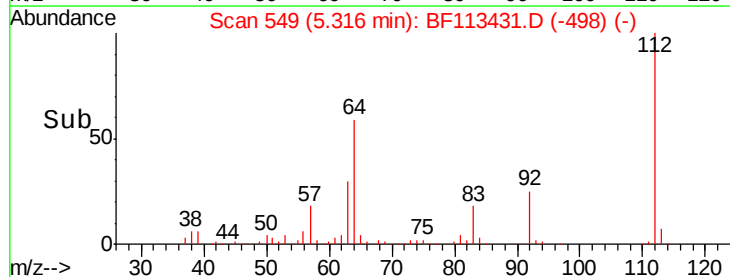


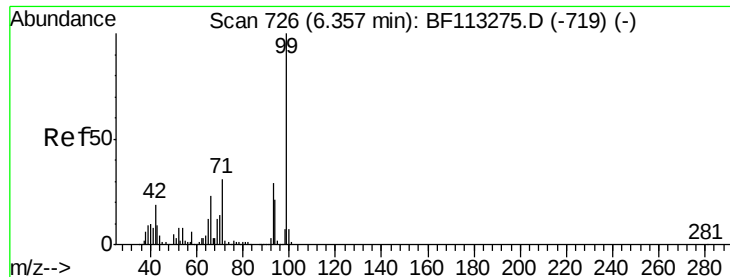
Abundance

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: 98.947 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113431.D

Acq: 29 Mar 2019 23:44

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-035-A

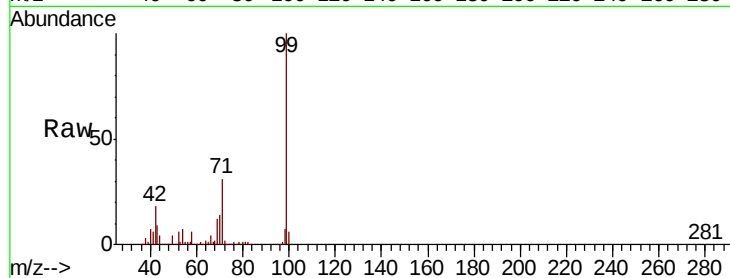
Tgt Ion: 99 Resp: 989348

Ion Ratio Lower Upper

99 100

42 17.8 14.8 22.2

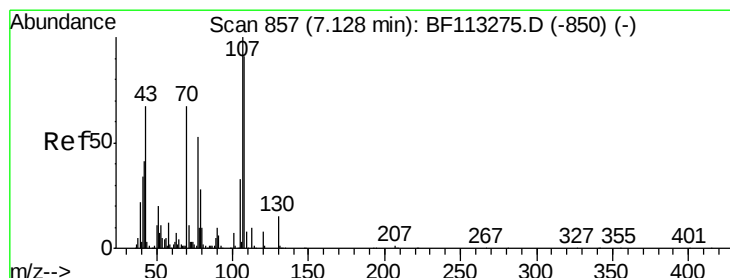
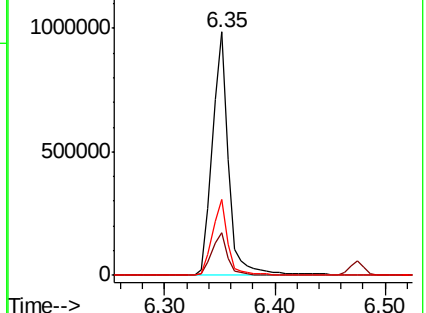
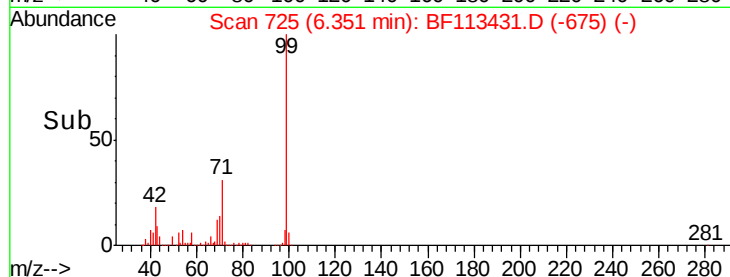
71 31.1 24.9 37.3



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: 11.685 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113431.D

Acq: 29 Mar 2019 23:44

Tgt Ion: 70 Resp: 73390

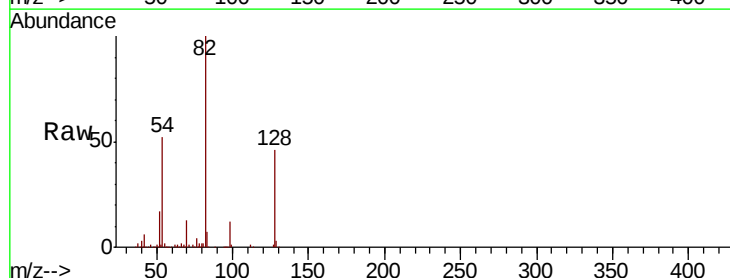
Ion Ratio Lower Upper

70 100

42 49.5 48.4 72.6

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#

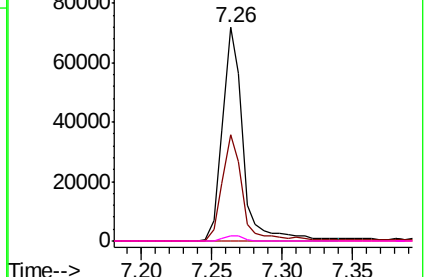
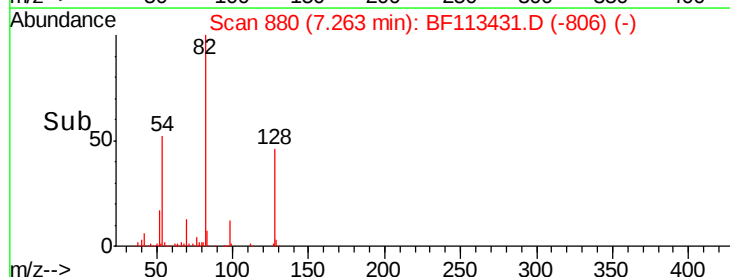


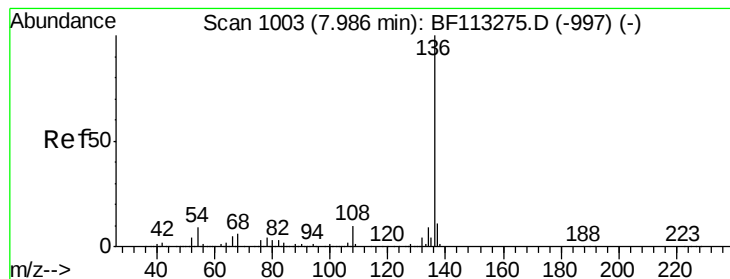
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113431.D

Acq: 29 Mar 2019 23:44

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-035-A

Tgt Ion:136 Resp: 482781

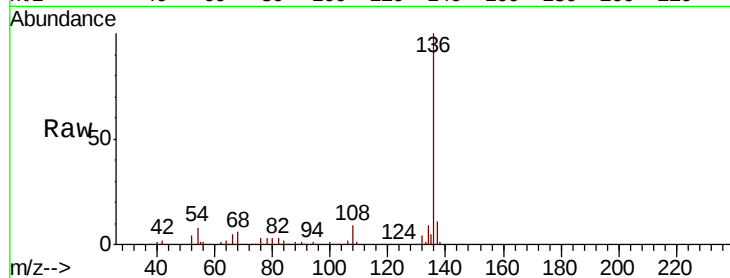
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.5 7.0 10.6

68 5.6 4.8 7.2

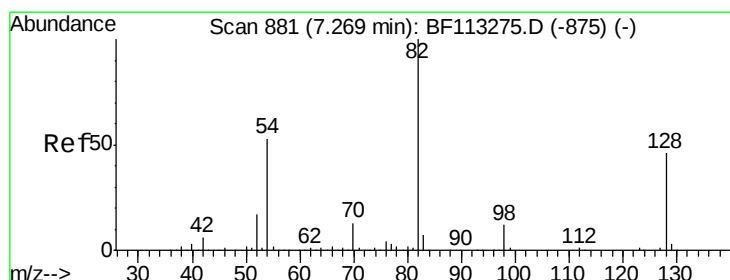
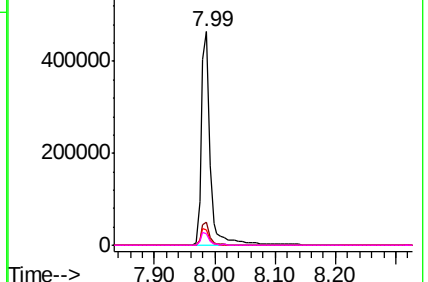
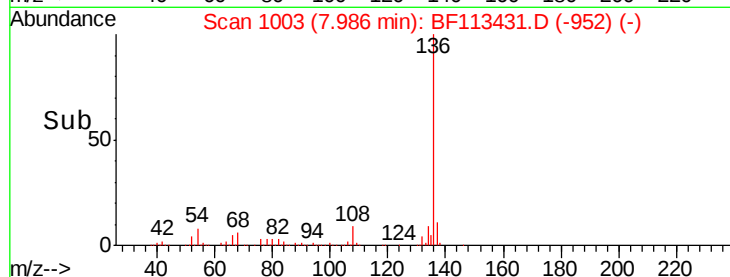


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.226 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113431.D

Acq: 29 Mar 2019 23:44

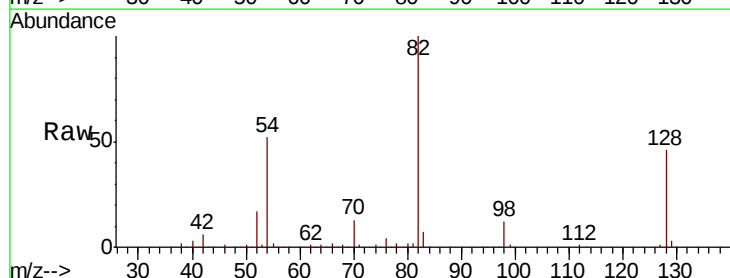
Tgt Ion: 82 Resp: 579347

Ion Ratio Lower Upper

82 100

128 46.1 36.5 54.7

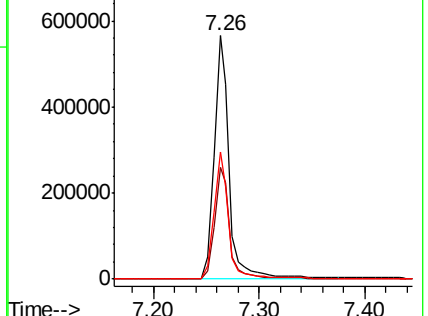
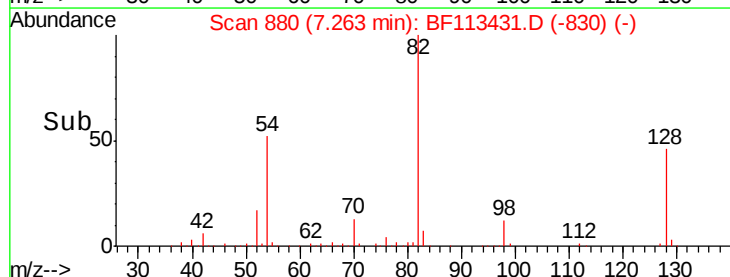
54 52.1 42.2 63.2

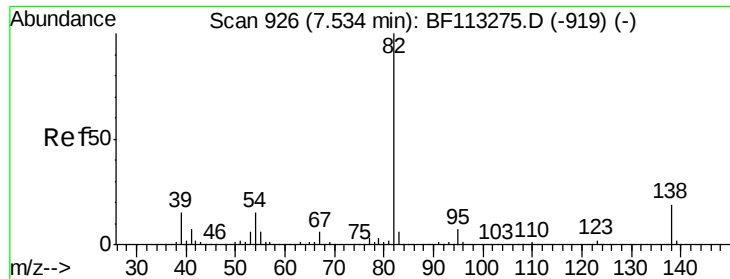


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

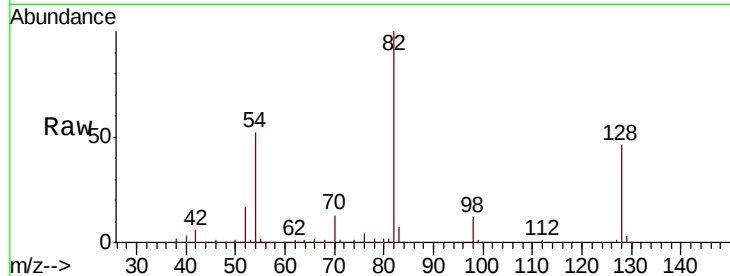




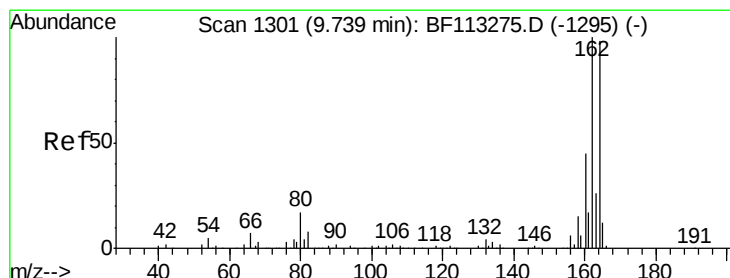
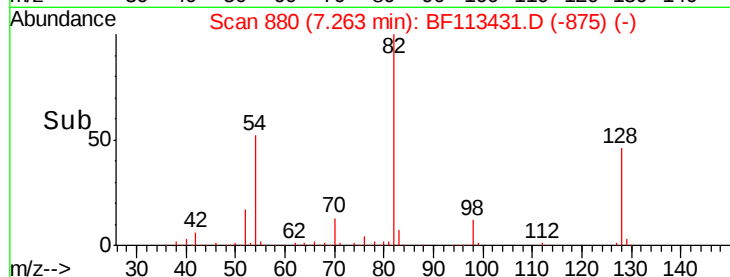
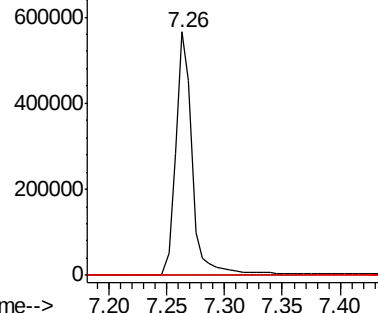
#25
Isophorone
Concen: 35.757 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Tgt Ion: 82 Resp: 563645
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 15.2 22.8#

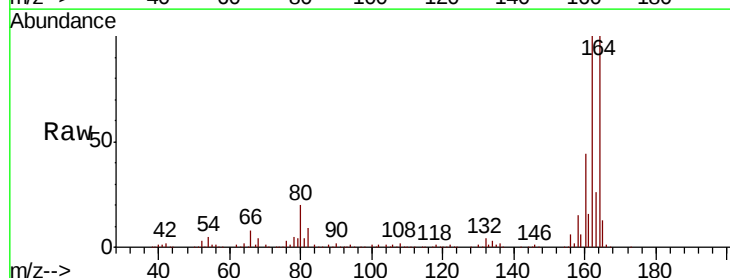


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

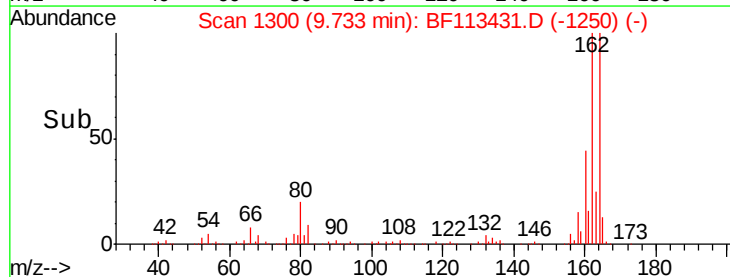
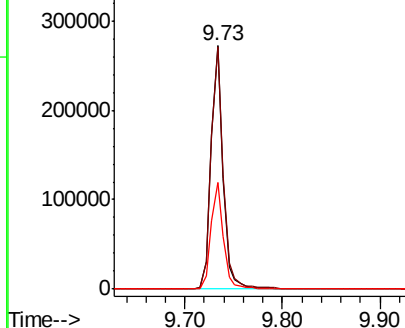


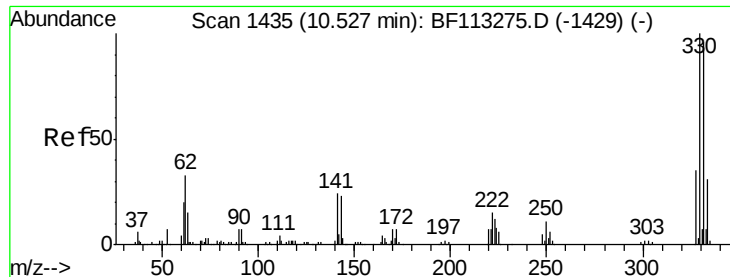
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion: 164 Resp: 232471
Ion Ratio Lower Upper
164 100
162 99.7 81.8 122.6
160 44.0 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

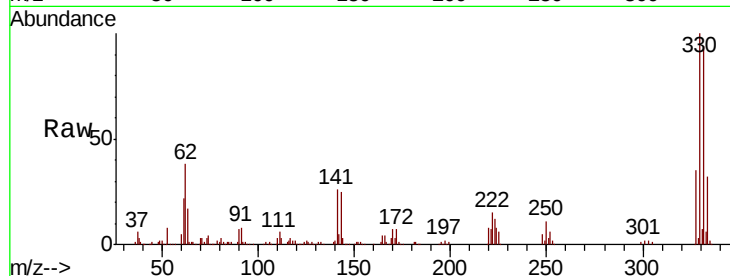




#42
 2,4,6-Tribromophenol
 Concen: 99.535 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113431.D
 Acq: 29 Mar 2019 23:44

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-035-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.8	116.6
141	27.9	22.7	34.1

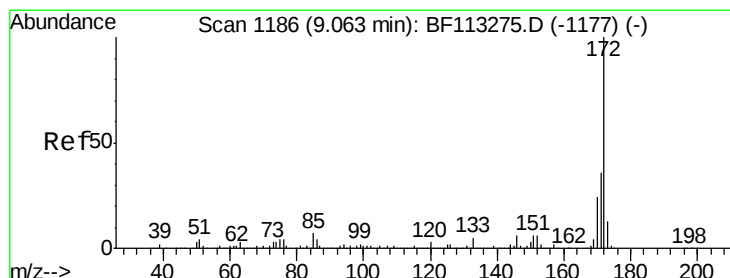
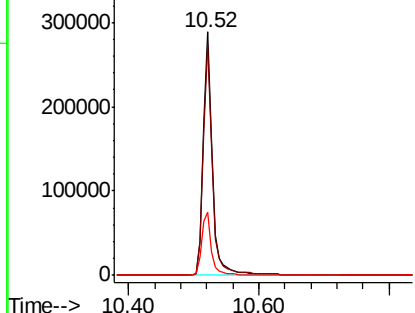
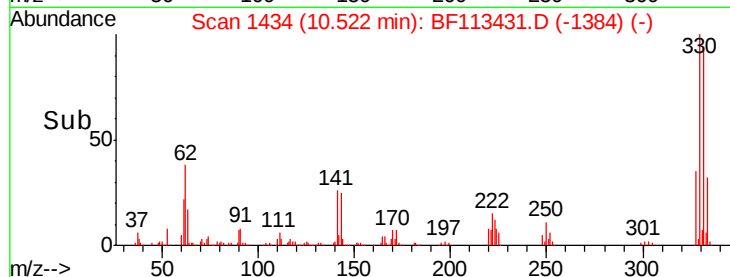


Abundance

Ion 329.80 (329.50 to 330.50): E

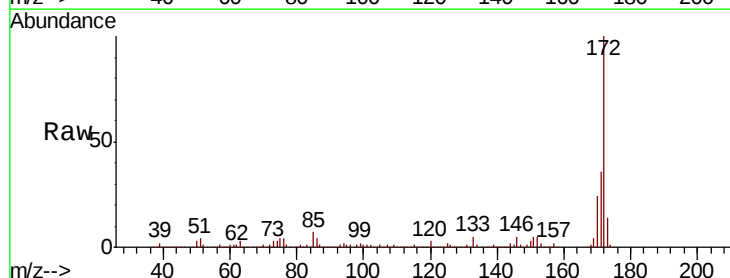
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 71.098 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113431.D
 Acq: 29 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.7	19.5	29.3

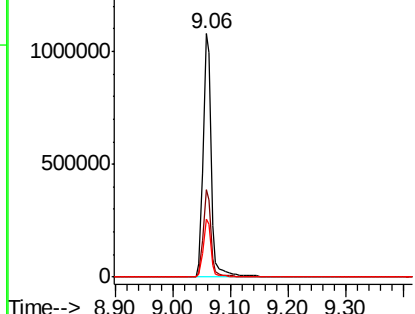
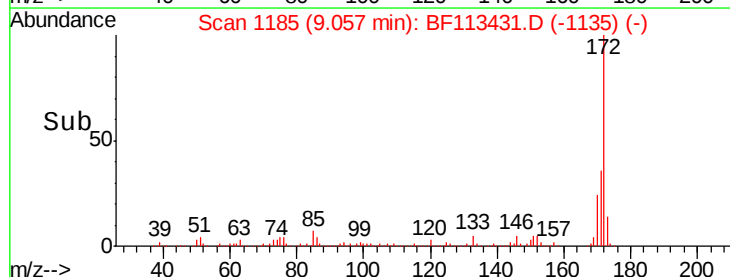


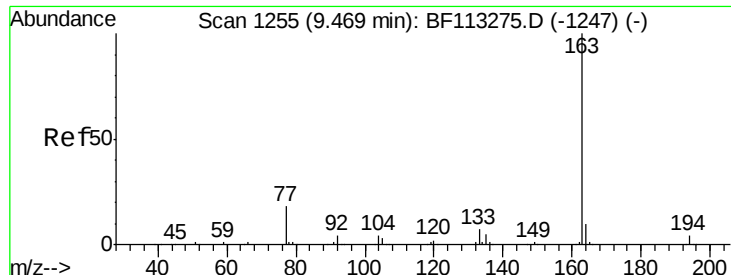
Abundance

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

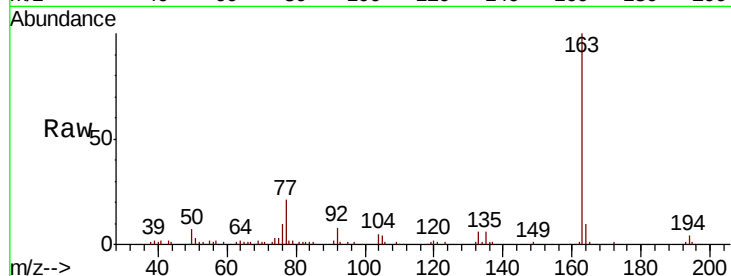




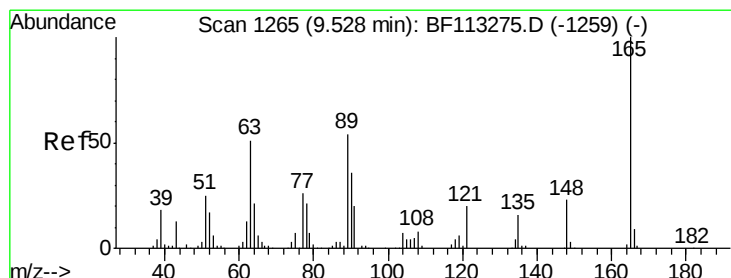
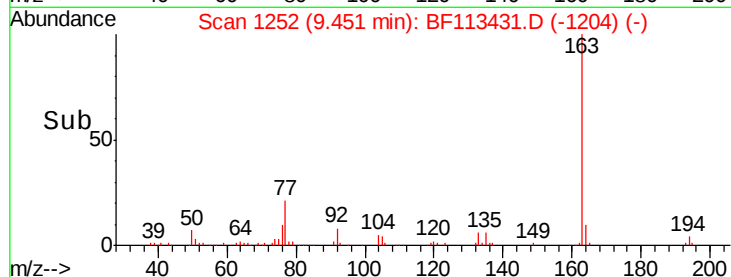
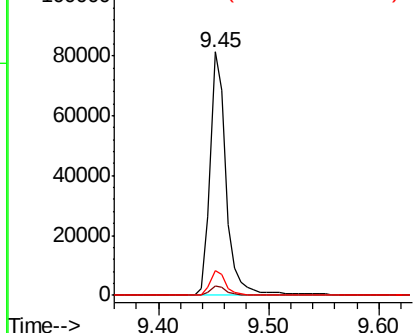
#50
Dimethylphthalate
Concen: 4.661 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.3	8.1	12.1

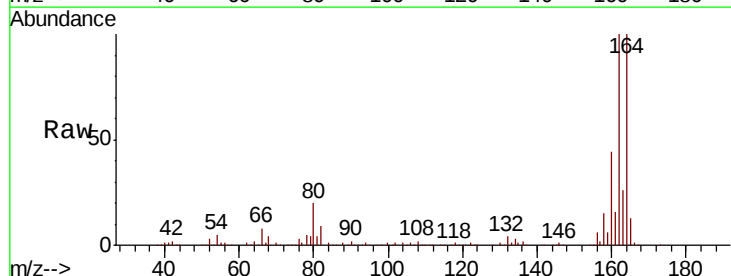


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

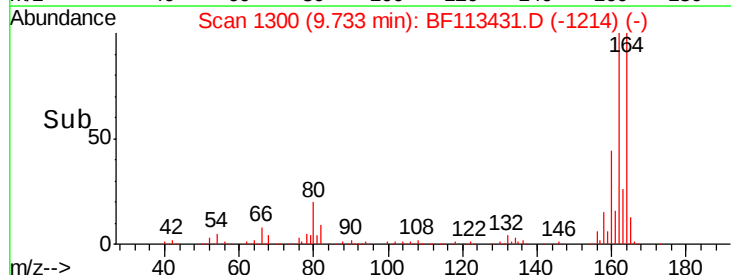
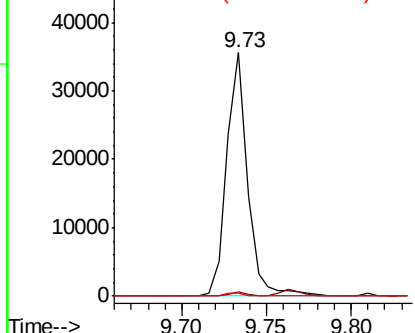


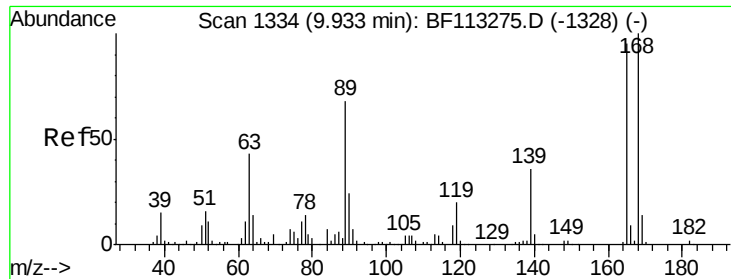
#51
2,6-Dinitrotoluene
Concen: 7.894 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.21 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.4	65.0#
89	1.0	43.1	64.7#



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

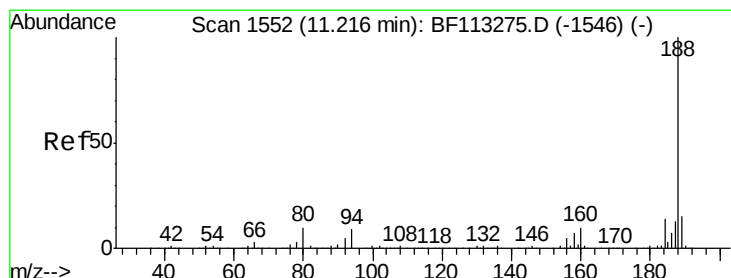
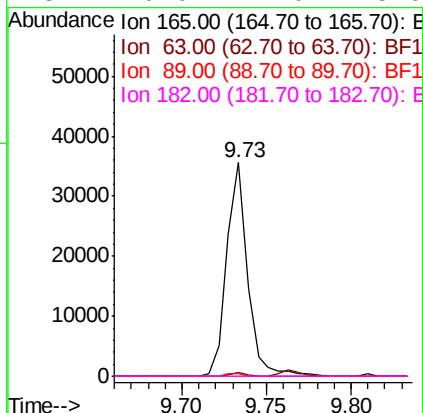
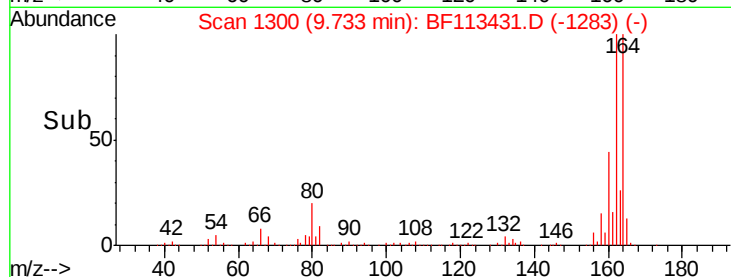
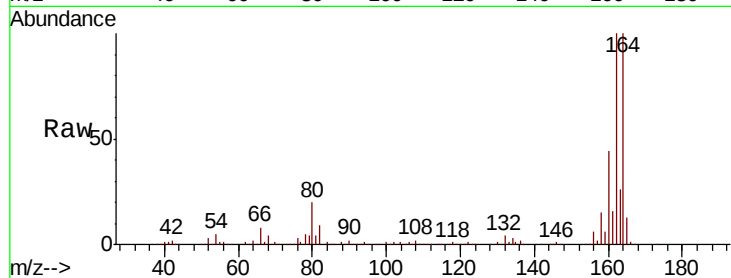




#57
 2,4-Dinitrotoluene
 Concen: 6.208 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113431.D
 Acq: 29 Mar 2019 23:44

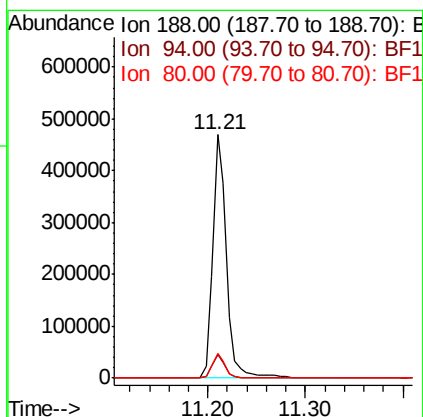
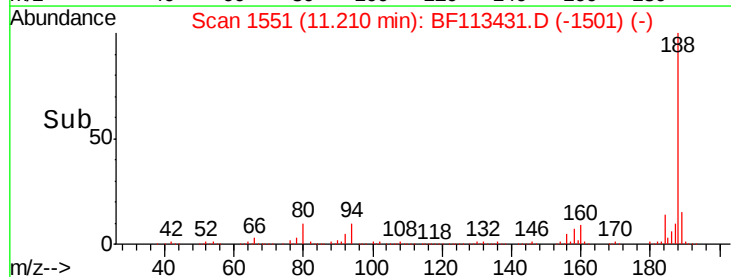
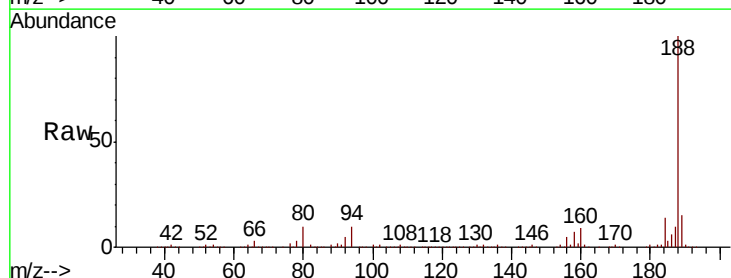
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-035-A

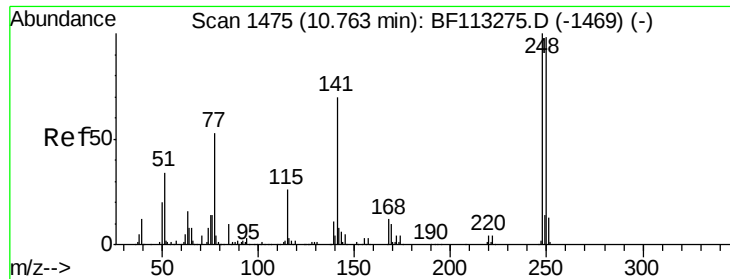
Tgt Ion:165 Resp: 30681
 Ion Ratio Lower Upper
 165 100
 63 1.6 37.5 56.3#
 89 1.0 57.4 86.2#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113431.D
 Acq: 29 Mar 2019 23:44

Tgt Ion:188 Resp: 455634
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.0 10.6
 80 10.1 7.7 11.5

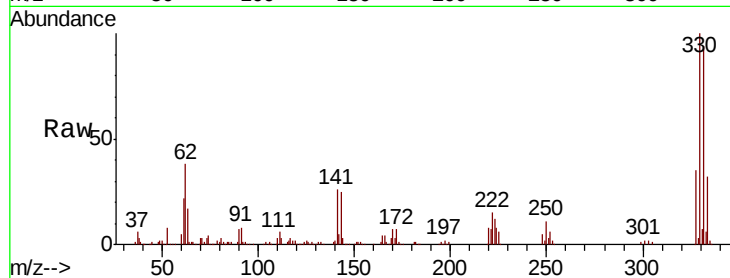




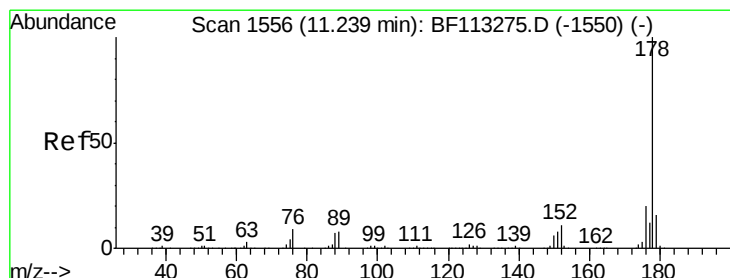
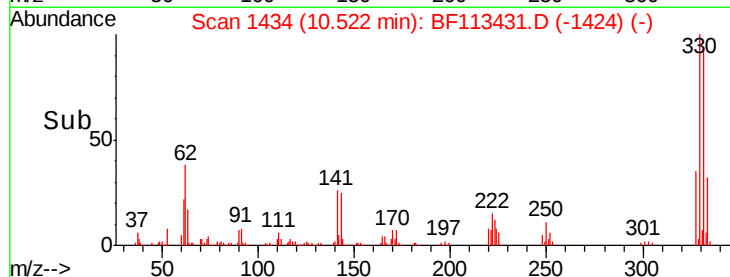
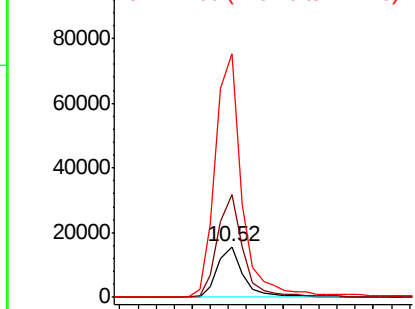
#67
 4-Bromophenyl-phenylether
 Concen: 3.164 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113431.D
 Acq: 29 Mar 2019 23:44

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-035-A

Tgt Ion:248 Resp: 15712
 Ion Ratio Lower Upper
 248 100
 250 204.1 78.3 117.5#
 141 480.7 56.2 84.4#

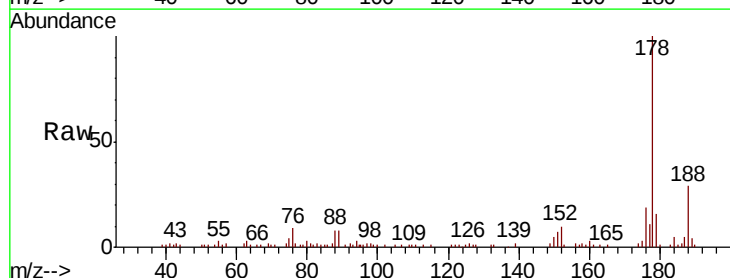


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

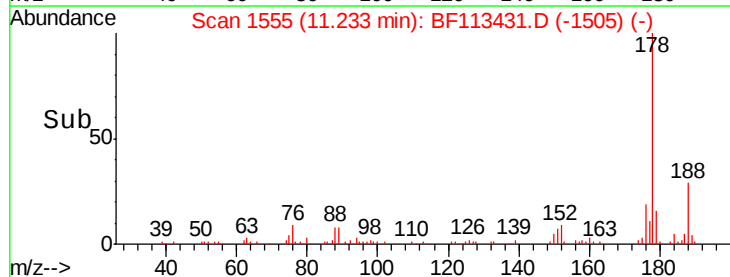
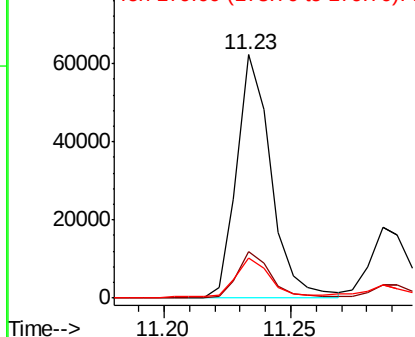


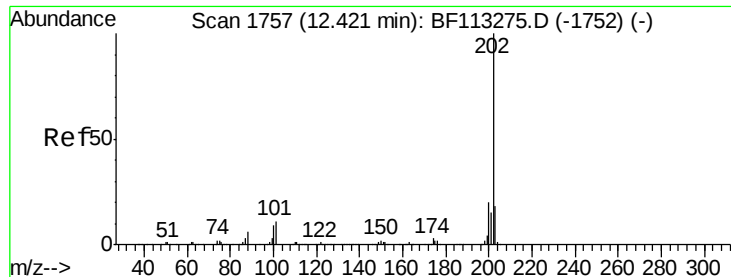
#71
 Phenanthrene
 Concen: 2.606 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113431.D
 Acq: 29 Mar 2019 23:44

Tgt Ion:178 Resp: 58976
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.2
 179 16.5 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





#75

Fluoranthene

Concen: 5.192 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113431.D

Acq: 29 Mar 2019 23:44

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-035-A

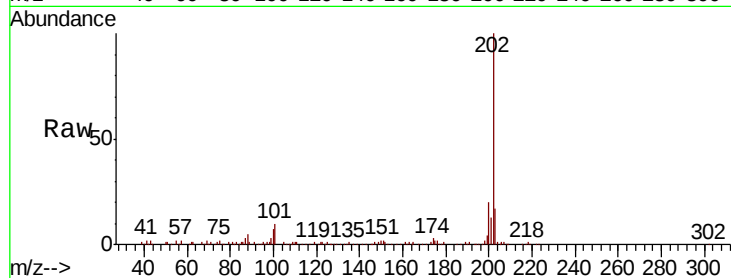
Tgt Ion:202 Resp: 132796

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.4

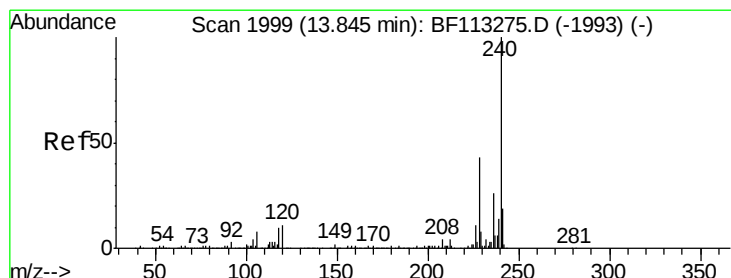
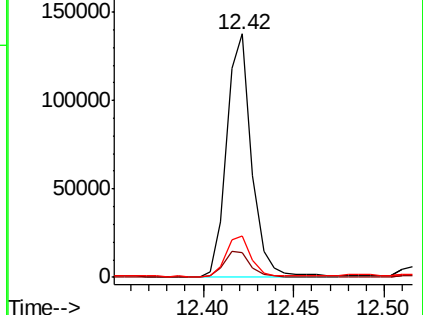
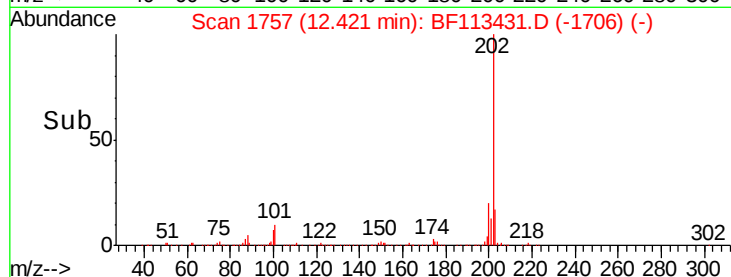
203 17.1 0.0 38.0



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: BF113431.D

Acq: 29 Mar 2019 23:44

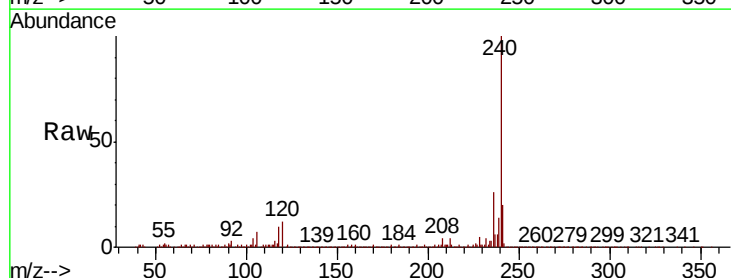
Tgt Ion:240 Resp: 432540

Ion Ratio Lower Upper

240 100

120 11.8 8.8 13.2

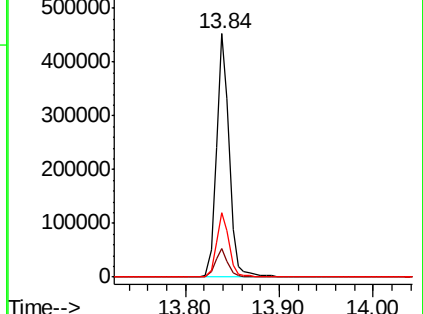
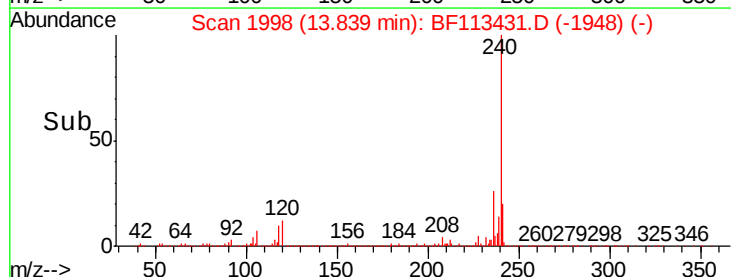
236 26.3 20.9 31.3

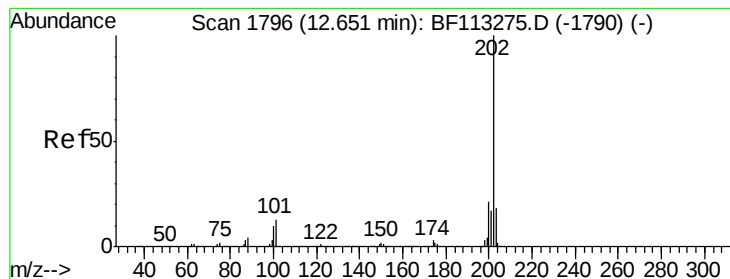


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 4.151 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113431.D

Acq: 29 Mar 2019 23:44

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-035-A

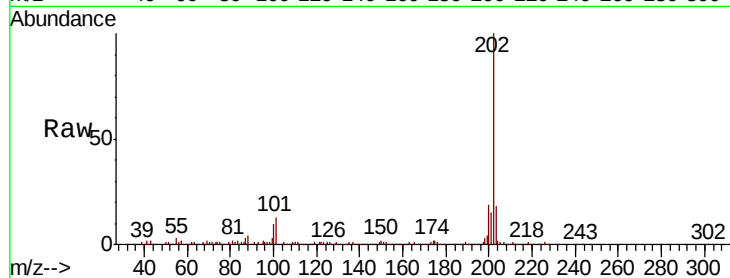
Tgt Ion: 202 Resp: 124422

Ion Ratio Lower Upper

202 100

200 18.9 16.8 25.2

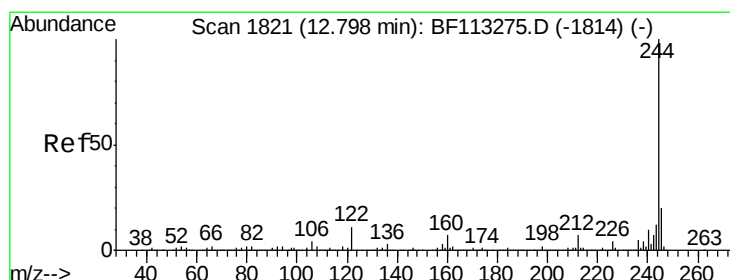
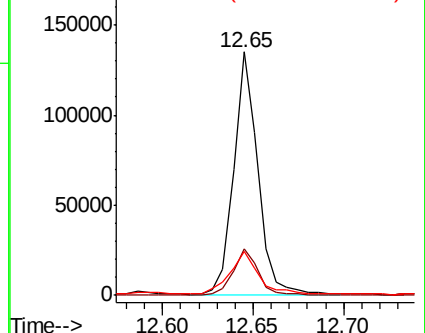
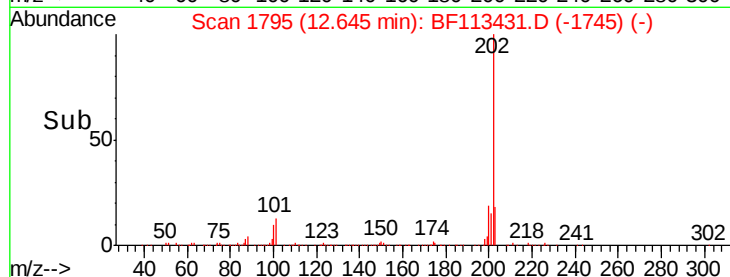
203 18.1 14.4 21.6



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: 60.887 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113431.D

Acq: 29 Mar 2019 23:44

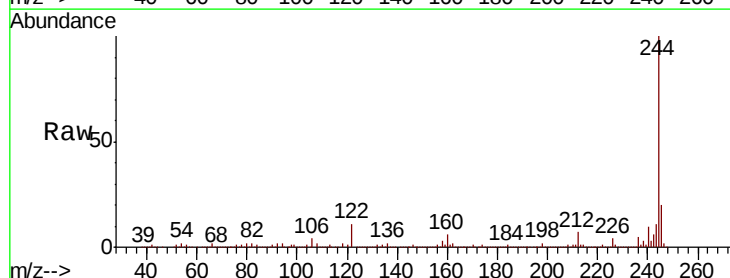
Tgt Ion: 244 Resp: 1194822

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

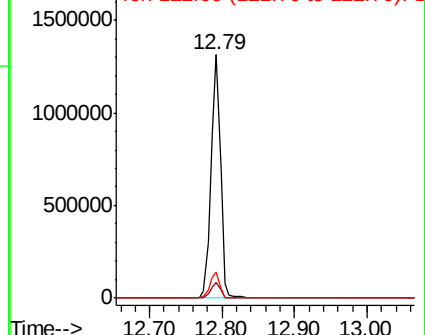
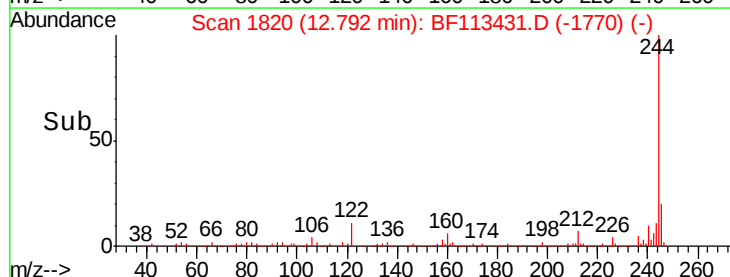
122 10.9 8.6 13.0

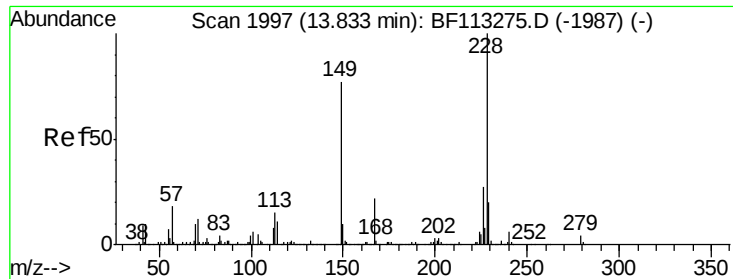


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

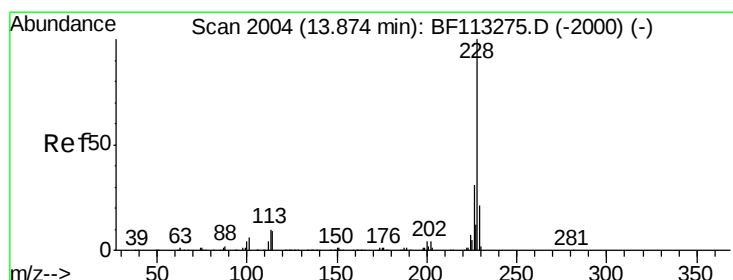
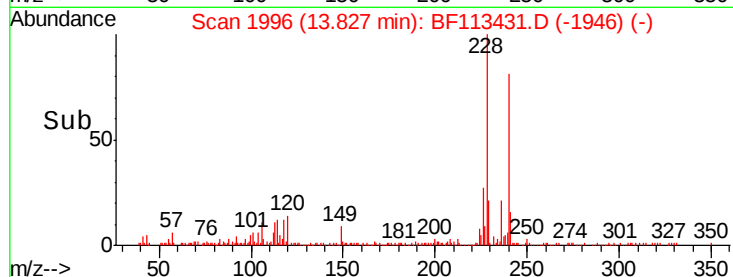
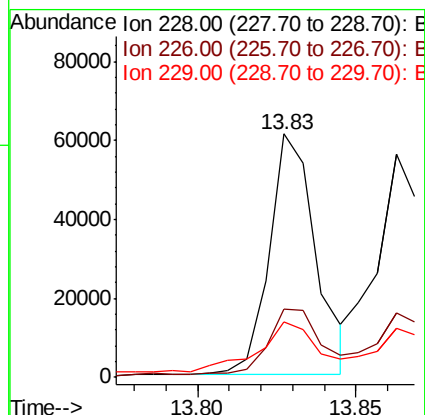
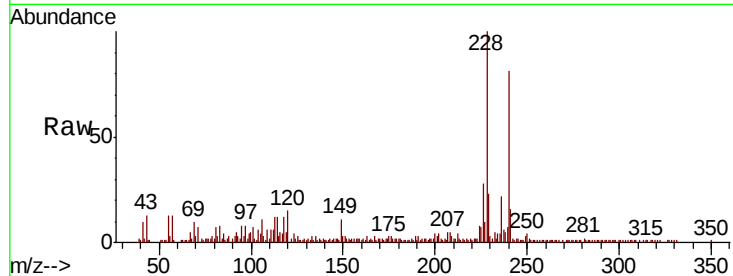




#81
Benzo(a)anthracene
Concen: 2.526 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

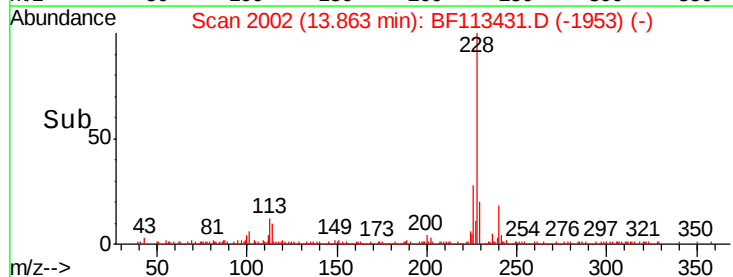
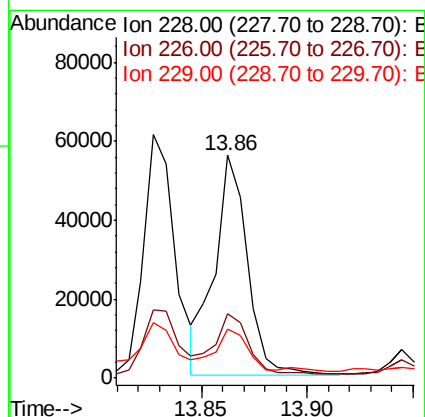
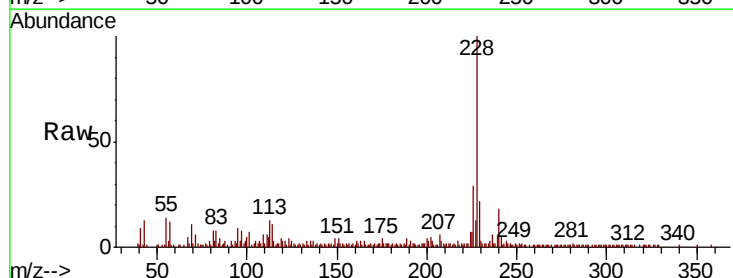
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

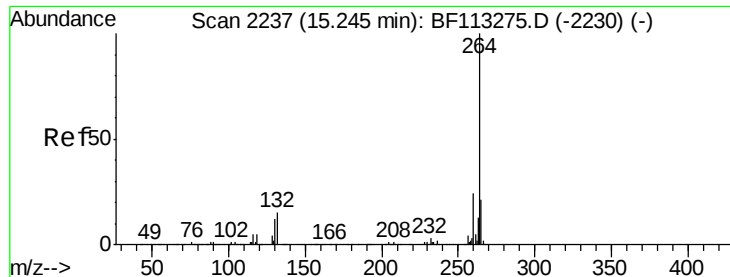
Tgt Ion:228 Resp: 62533
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.8
229 22.7 16.2 24.4



#83
Chrysene
Concen: 2.423 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:228 Resp: 60932
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 22.1 16.3 24.5

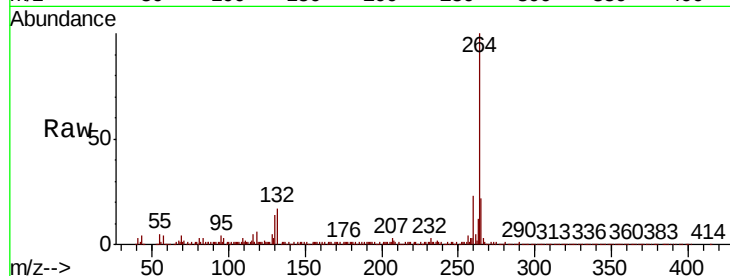




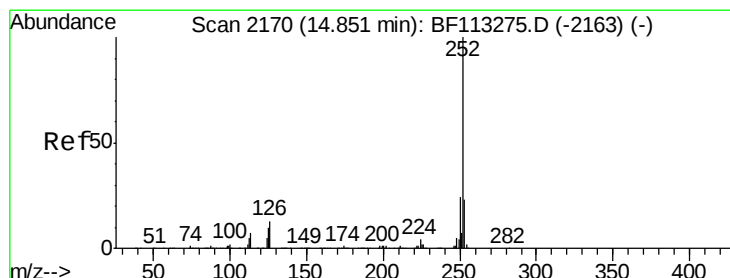
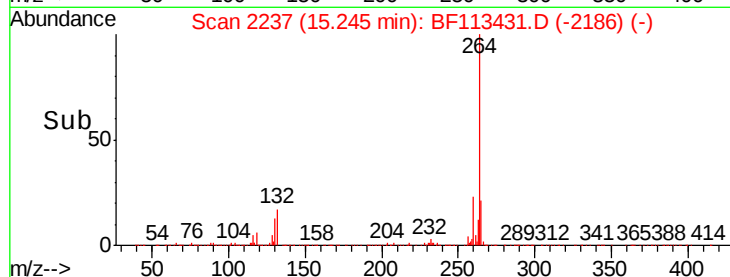
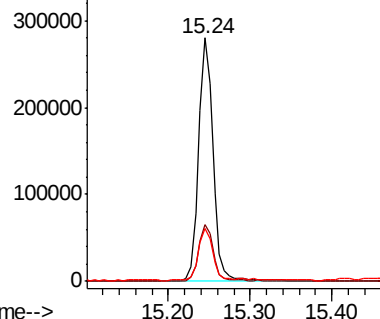
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Tgt Ion:264 Resp: 342274
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 21.8 17.1 25.7

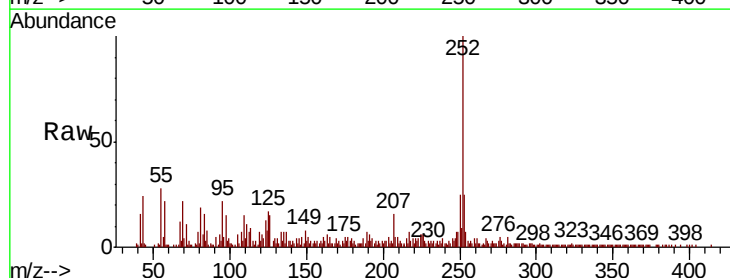


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

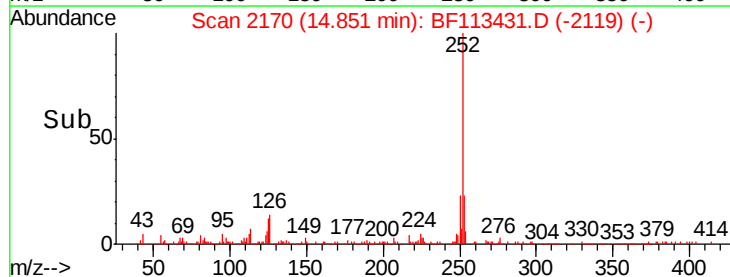
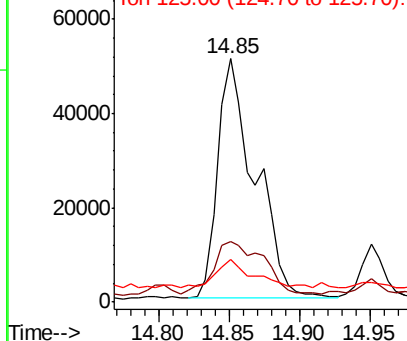


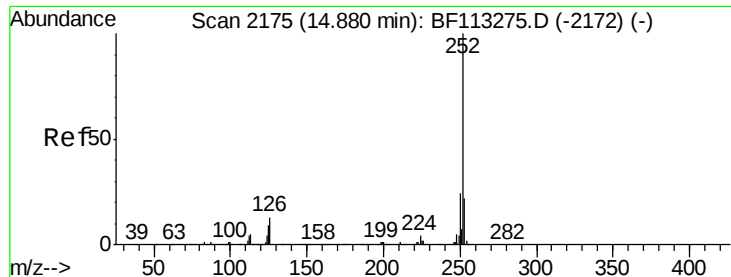
#88
Benzo(b)fluoranthene
Concen: 4.419 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:252 Resp: 93957
Ion Ratio Lower Upper
252 100
253 24.8 18.0 27.0
125 17.4 7.6 11.4#



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

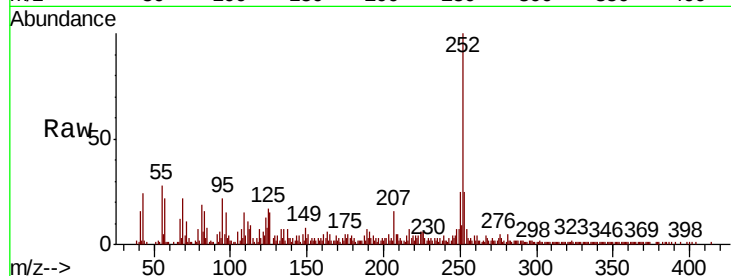




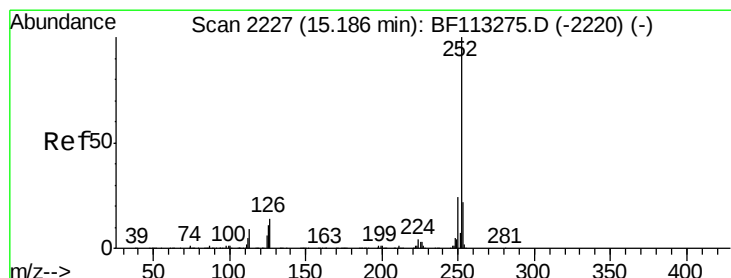
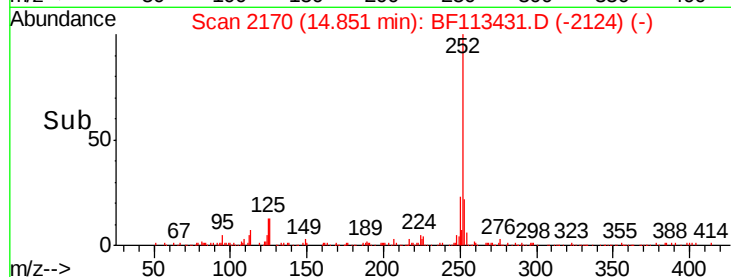
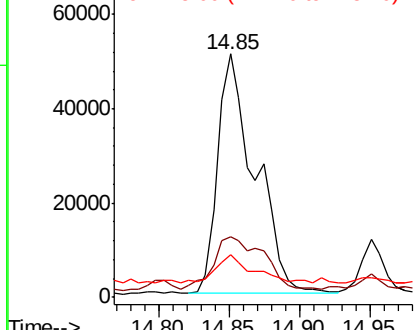
#89
Benzo(k)fluoranthene
Concen: 5.032 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Tgt Ion:252 Resp: 93957
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 17.4 7.3 10.9#

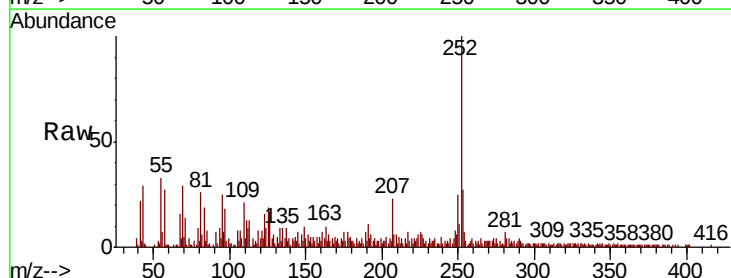


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.546 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:252 Resp: 47996
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 18.7 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

