

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113420.D
 Acq On : 29 Mar 2019 18:26
 Operator : JU/SJ
 Sample : K2131-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 30 00:56:50 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	152676	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	572803	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	279407	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	590430	20.00	ng	0.00
76) Chrysene-d12	13.84	240	465567	20.00	ng	0.00
87) Perylene-d12	15.24	264	442542	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	944756	101.18	ng	0.00
7) Phenol-d6	6.35	99	1240814	105.05	ng	0.00
23) Nitrobenzene-d5	7.26	82	750460	77.76	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	343002	99.38	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1312989	70.68	ng	0.00
79) Terphenyl-d14	12.79	244	1417282	67.10	ng	0.00

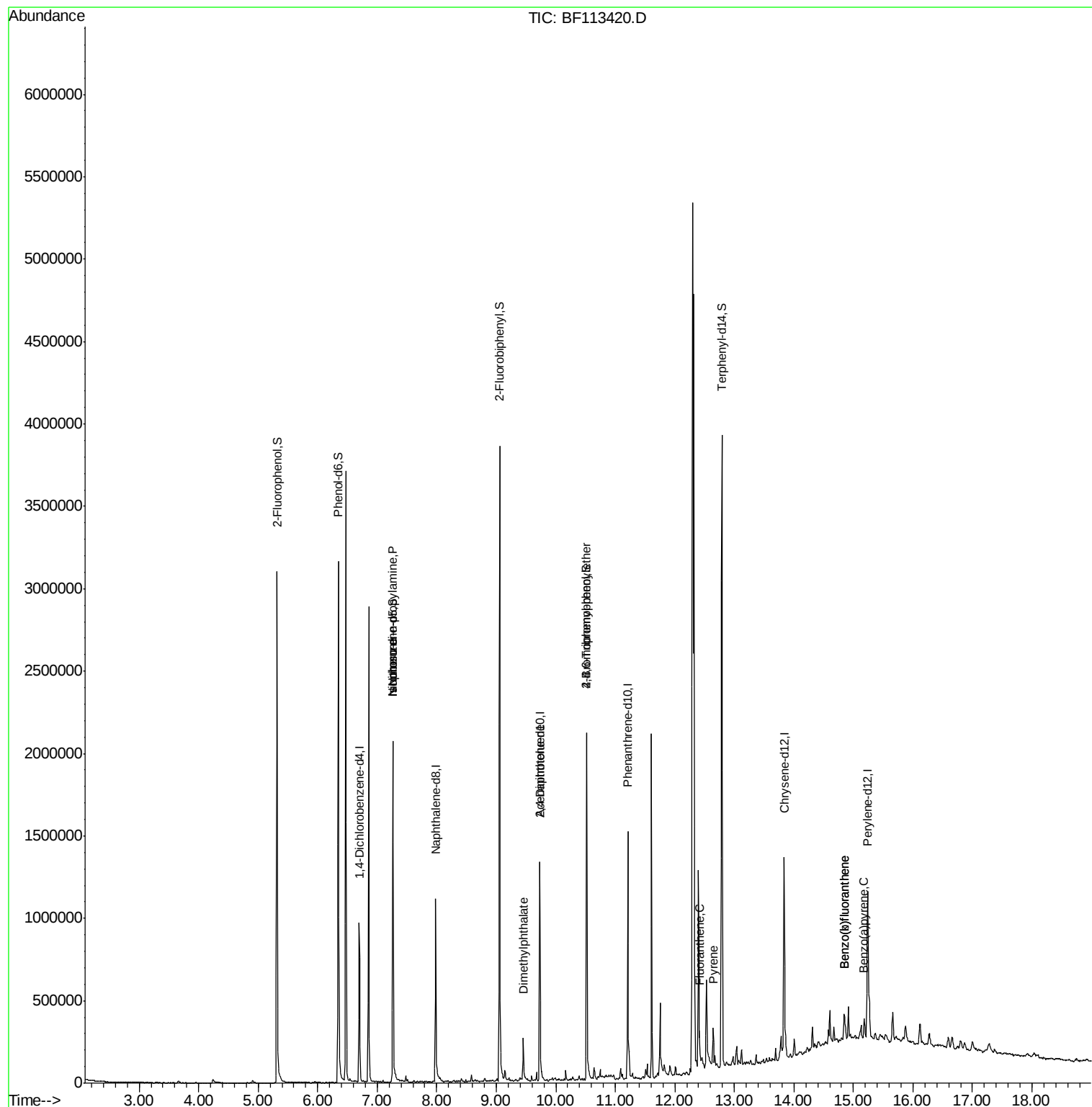
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	96733	13.037	ng	# 76
25) Isophorone	7.26	82	750454	40.126	ng	# 64
50) Dimethylphthalate	9.45	163	112688	5.442	ng	100
57) 2,4-Dinitrotoluene	9.73	165	36190	6.092	ng	# 24
67) 4-Bromophenyl-phenylether	10.52	248	19702	3.062	ng	# 1
75) Fluoranthene	12.42	202	105024	3.168	ng	98
78) Pyrene	12.64	202	98726	3.060	ng	98
88) Benzo(b)fluoranthene	14.84	252	108958	3.963	ng	# 96
89) Benzo(k)fluoranthene	14.84	252	108958	4.513	ng	# 95
90) Benzo(a)pyrene	15.18	252	58728	2.410	ng	# 95

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

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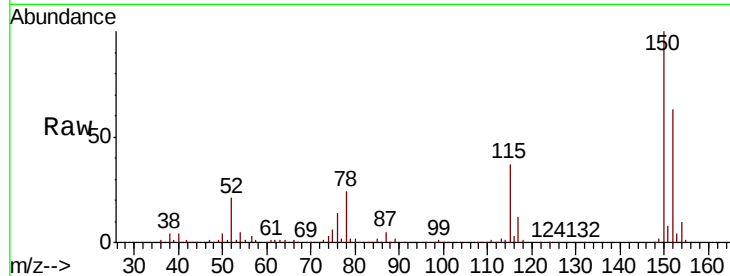


#1

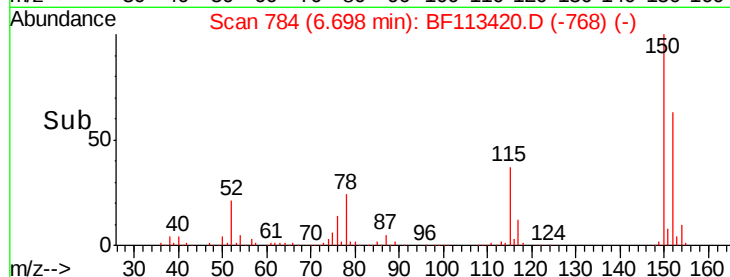
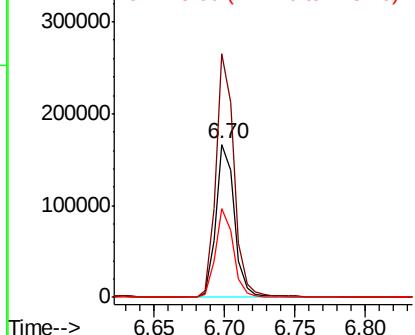
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113420.D
Acq: 29 Mar 2019 18:26

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

Tgt Ion:152 Resp: 152676
Ion Ratio Lower Upper
152 100
150 159.2 124.7 187.1
115 58.5 46.0 69.0



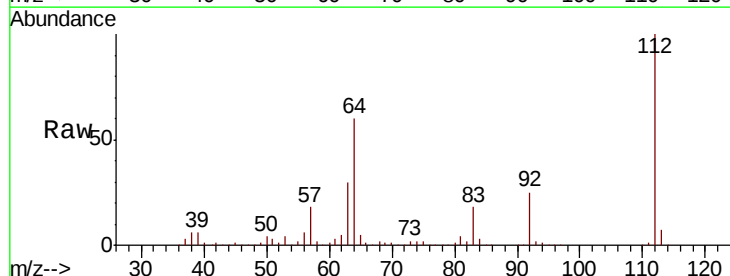
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



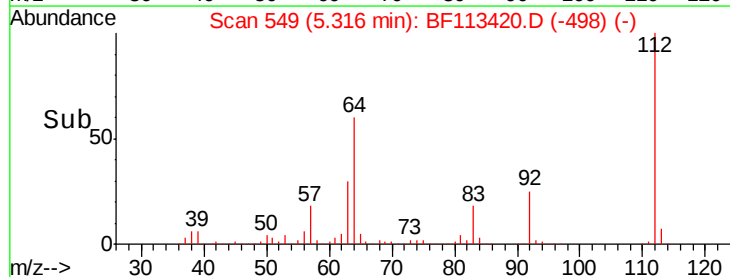
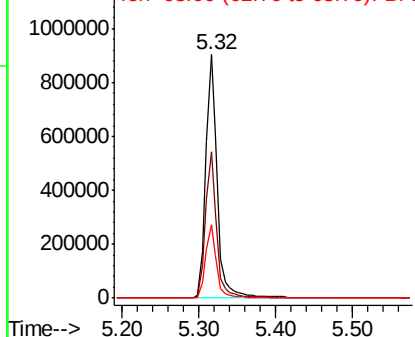
#5

2-Fluorophenol
Concen: 101.181 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF113420.D
Acq: 29 Mar 2019 18:26

Tgt Ion:112 Resp: 944756
Ion Ratio Lower Upper
112 100
64 59.9 49.2 73.8
63 30.3 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: 105.045 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113420.D

Acq: 29 Mar 2019 18:26

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-035-B

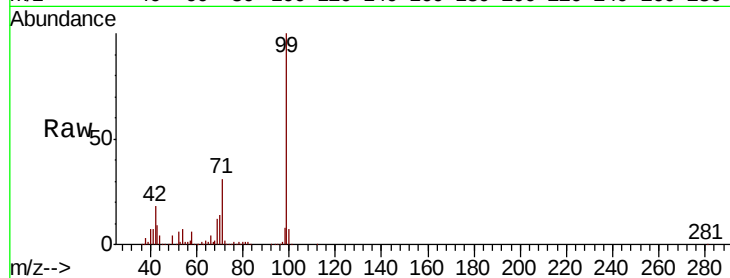
Tgt Ion: 99 Resp: 1240814

Ion Ratio Lower Upper

99 100

42 17.8 14.8 22.2

71 31.4 24.9 37.3

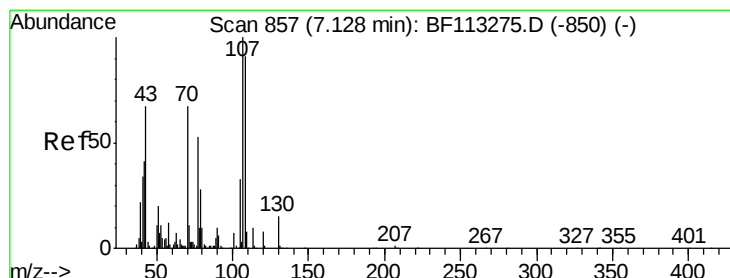
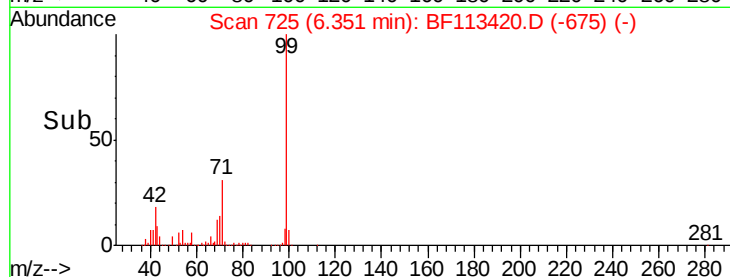
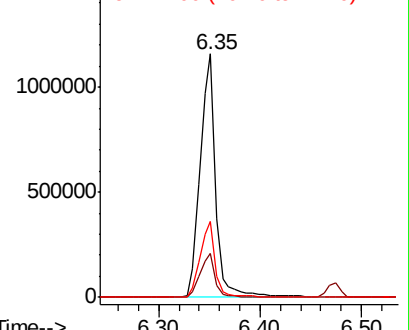


Abundance

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: 13.037 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113420.D

Acq: 29 Mar 2019 18:26

Tgt Ion: 70 Resp: 96733

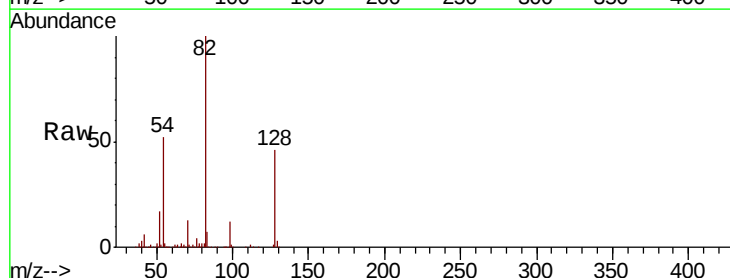
Ion Ratio Lower Upper

70 100

42 47.5 48.4 72.6#

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#



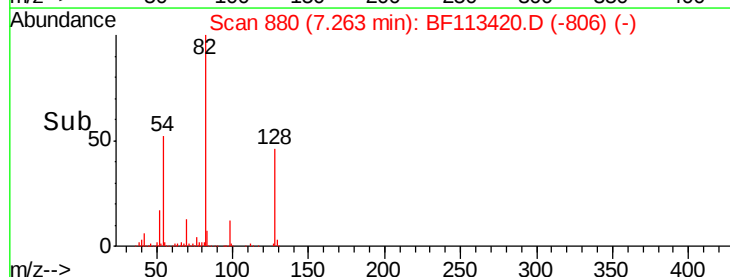
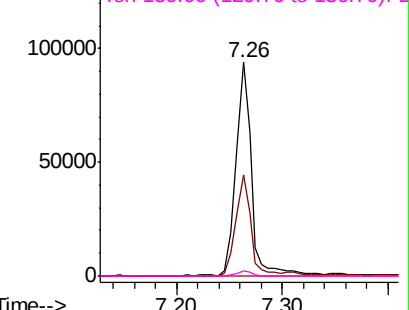
Abundance

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: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113420.D

Acq: 29 Mar 2019 18:26

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-035-B

Tgt Ion: 136 Resp: 572803

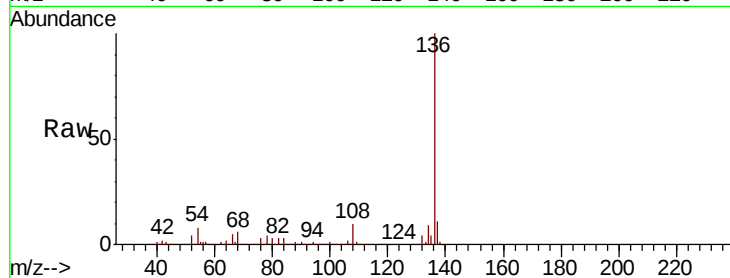
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.4 7.0 10.6

68 6.1 4.8 7.2

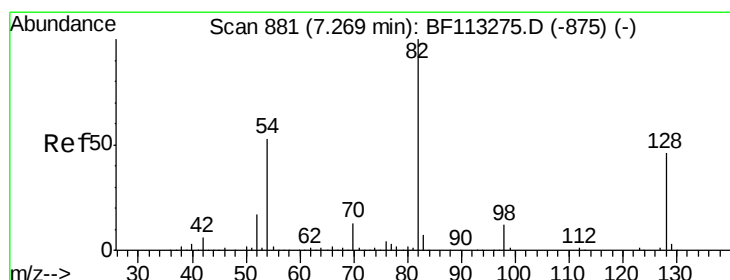
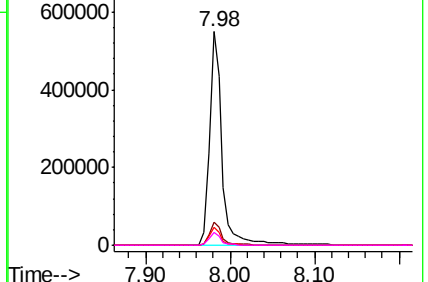
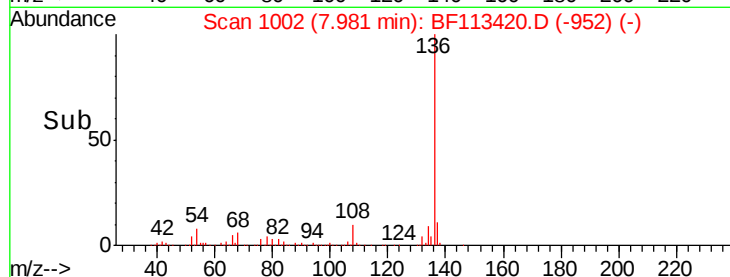


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.763 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113420.D

Acq: 29 Mar 2019 18:26

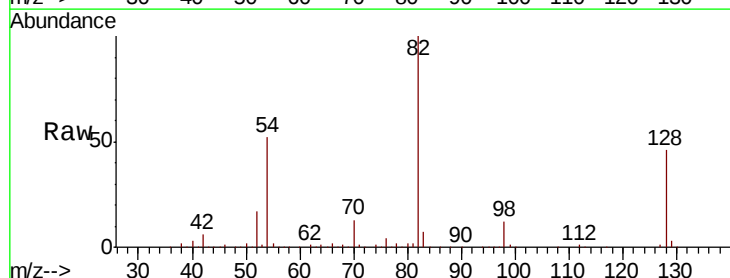
Tgt Ion: 82 Resp: 750460

Ion Ratio Lower Upper

82 100

128 46.3 36.5 54.7

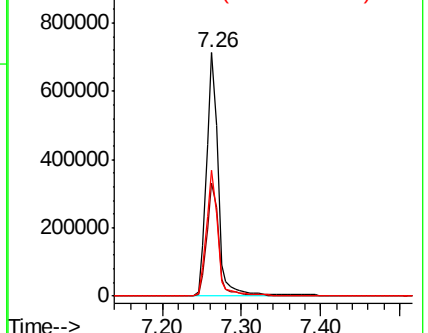
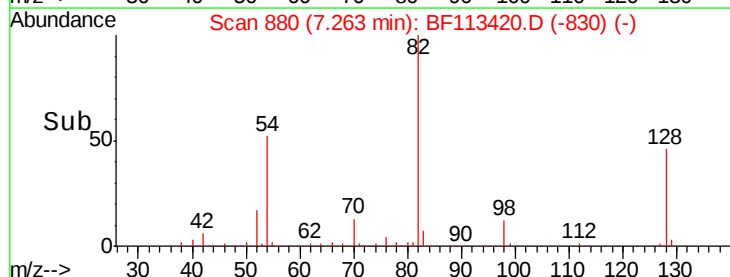
54 51.7 42.2 63.2

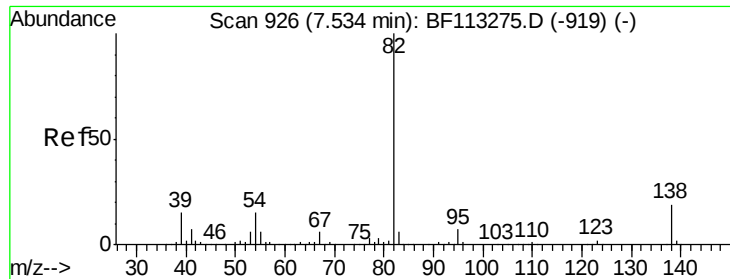


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.126 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF113420.D

Acq: 29 Mar 2019 18:26

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ClientSampleId :

FK-GF-02-035-B

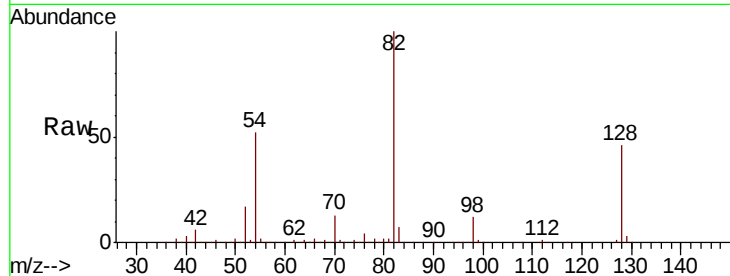
Tgt Ion: 82 Resp: 750454

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

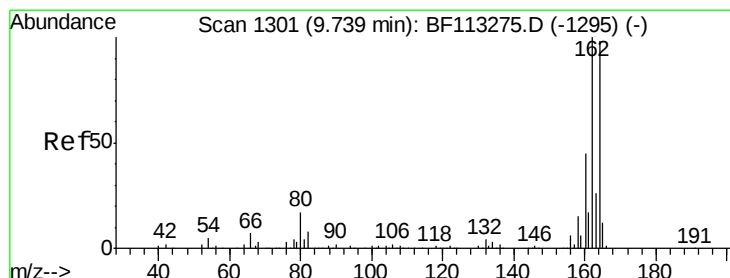
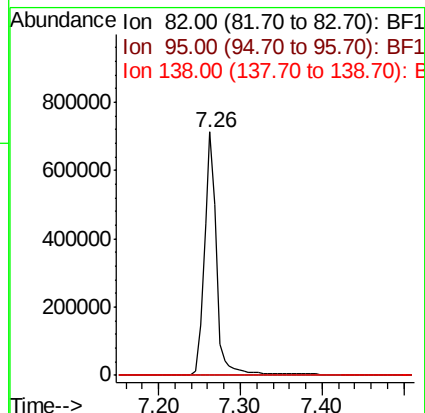
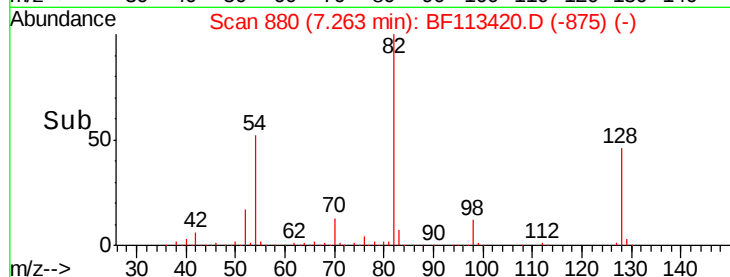
138 0.0 15.2 22.8#



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: BF113420.D

Acq: 29 Mar 2019 18:26

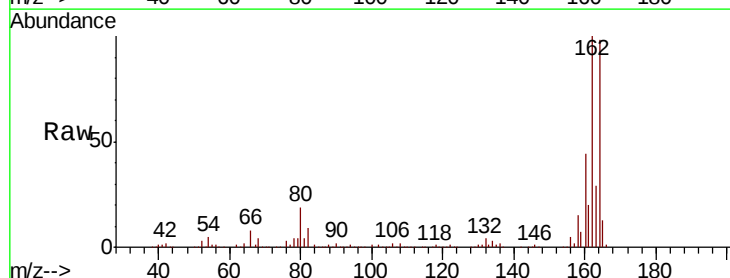
Tgt Ion: 164 Resp: 279407

Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.6

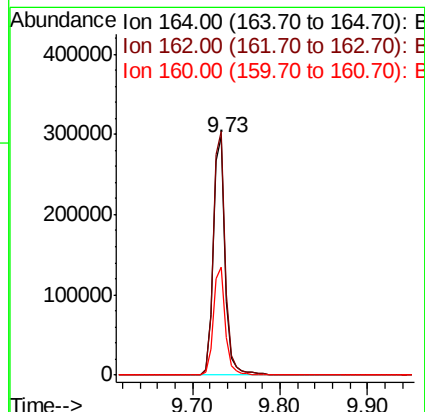
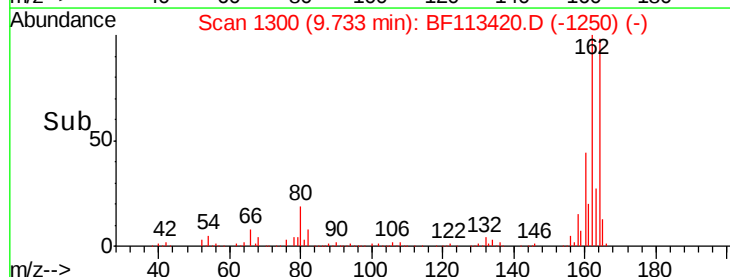
160 45.4 36.4 54.6

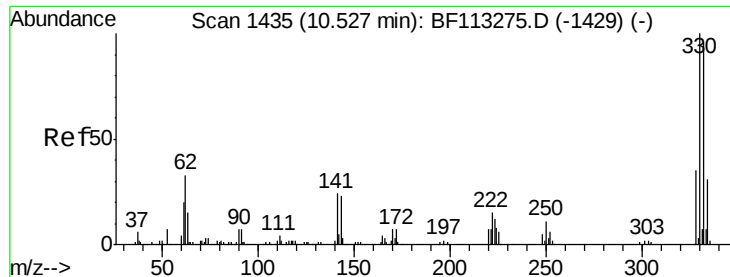


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

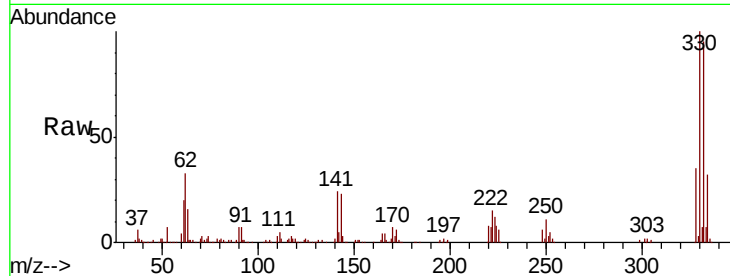




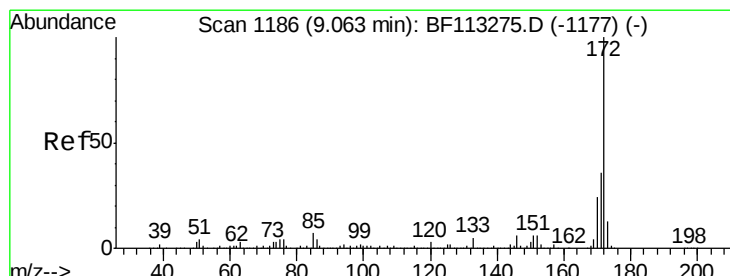
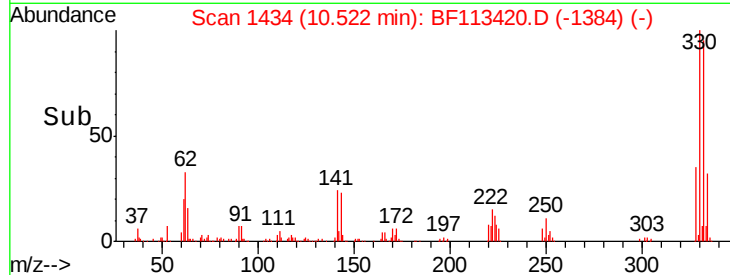
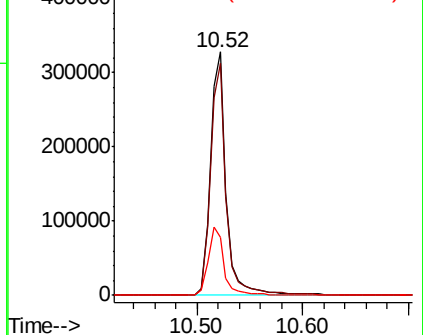
#42
 2,4,6-Tribromophenol
 Concen: 99.383 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113420.D
 Acq: 29 Mar 2019 18:26

Instrument :
 BNA_F
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 FK-GF-02-035-B

Tgt Ion:330 Resp: 343002
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.8 116.6
 141 28.3 22.7 34.1

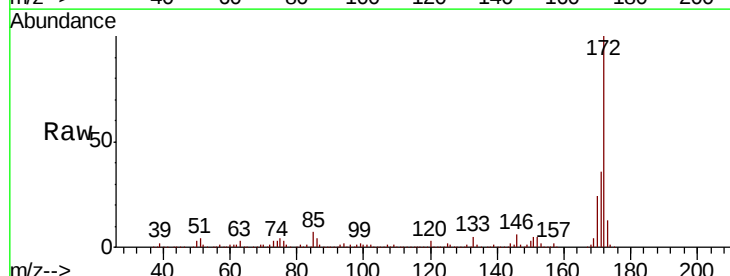


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

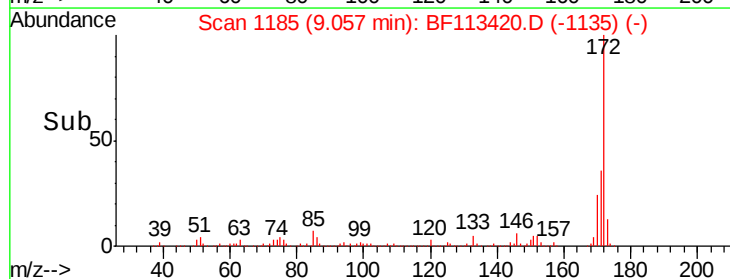
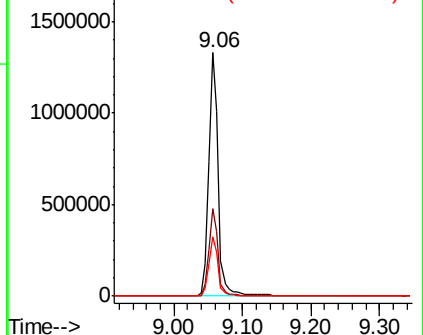


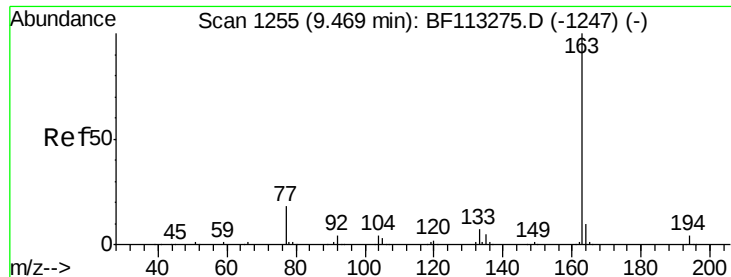
#45
 2-Fluorobiphenyl
 Concen: 70.683 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113420.D
 Acq: 29 Mar 2019 18:26

Tgt Ion:172 Resp: 1312989
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.4 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

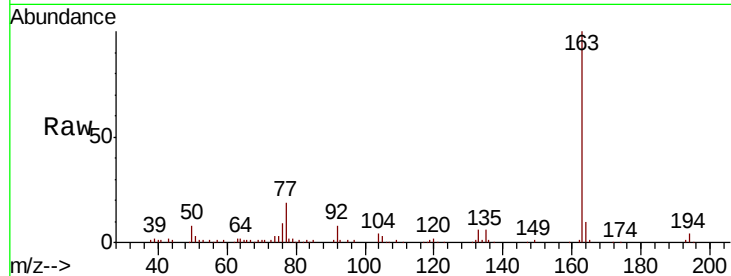




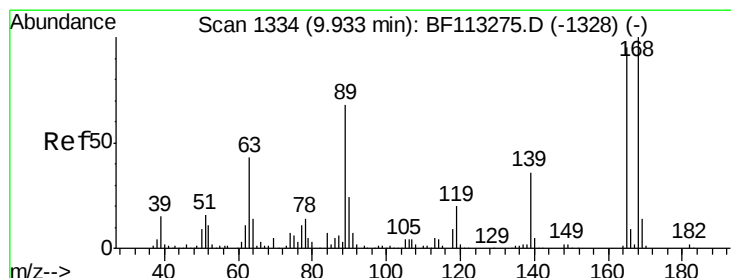
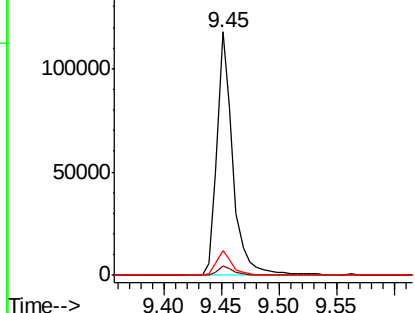
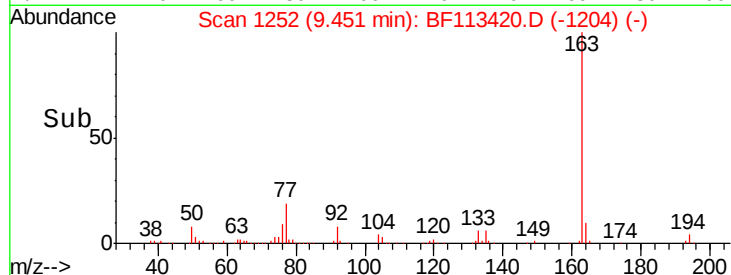
#50
Dimethylphthalate
Concen: 5.442 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113420.D
Acq: 29 Mar 2019 18:26

Instrument :
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FK-GF-02-035-B

Tgt Ion:163 Resp: 112688
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.0 8.1 12.1

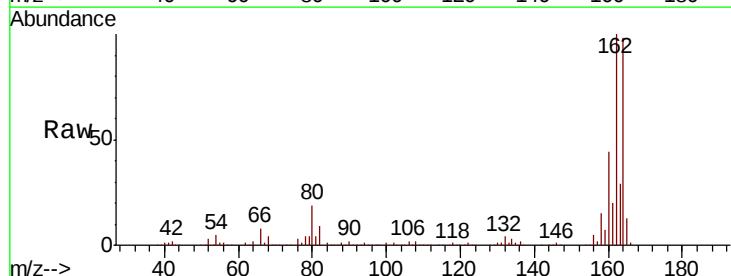


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

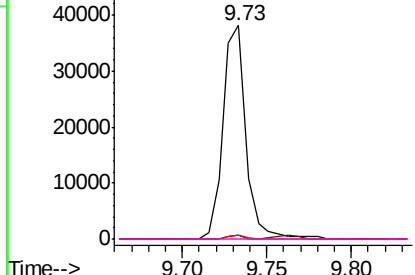
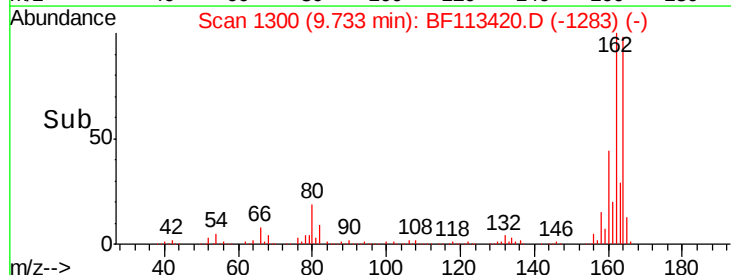


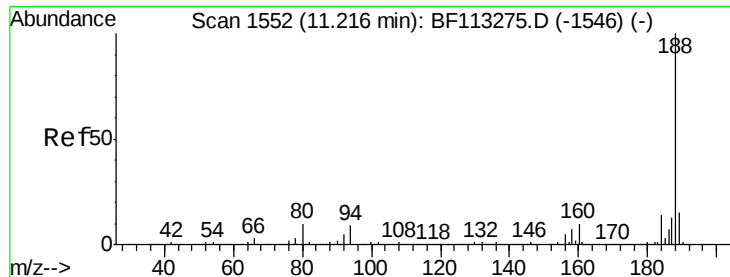
#57
2,4-Dinitrotoluene
Concen: 6.092 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.20 min
Lab File: BF113420.D
Acq: 29 Mar 2019 18:26

Tgt Ion:165 Resp: 36190
Ion Ratio Lower Upper
165 100
63 1.6 37.5 56.3#
89 1.6 57.4 86.2#
182 0.0 2.0 3.0#



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

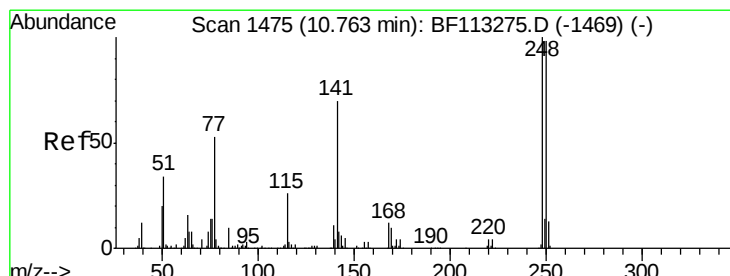
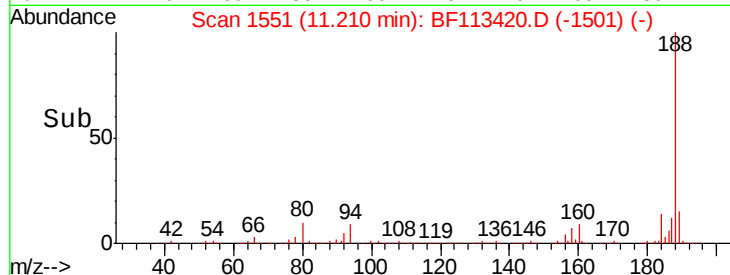
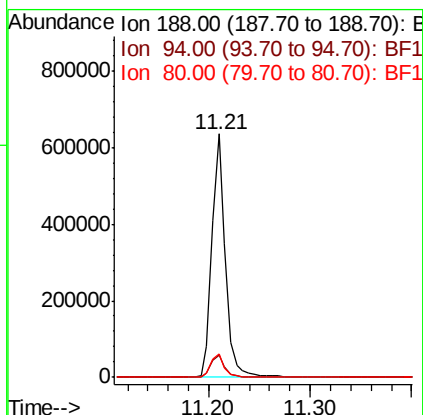
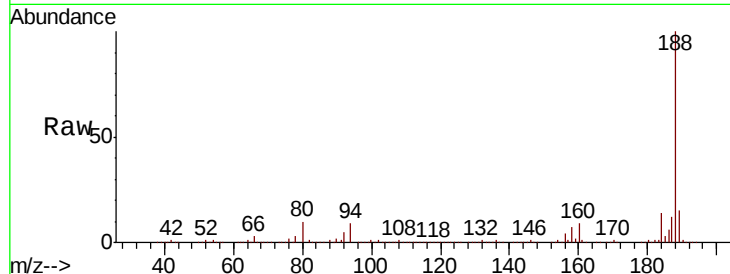




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113420.D
 Acq: 29 Mar 2019 18:26

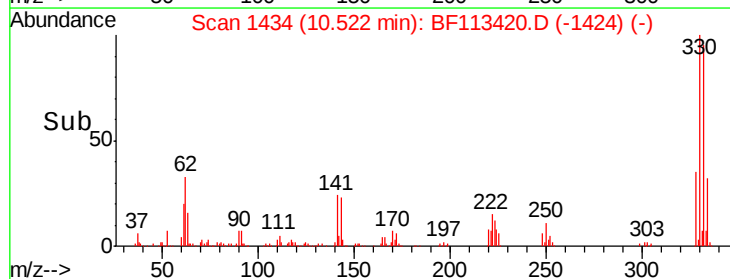
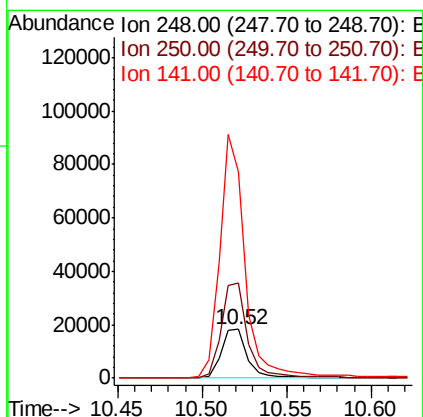
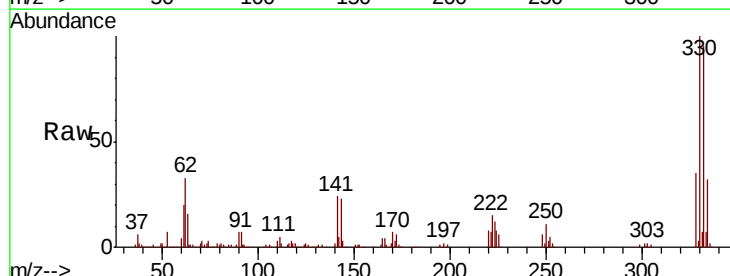
Instrument :
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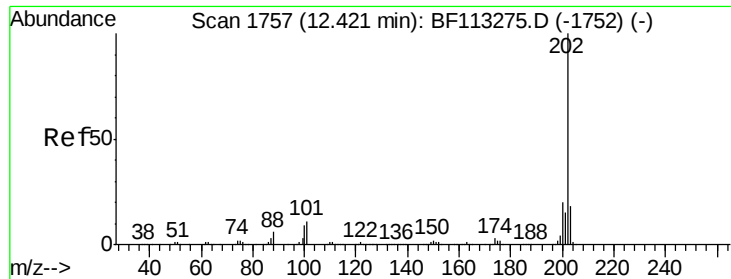
Tgt Ion:188 Resp: 590430
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.0 10.6
 80 9.7 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.062 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113420.D
 Acq: 29 Mar 2019 18:26

Tgt Ion:248 Resp: 19702
 Ion Ratio Lower Upper
 248 100
 250 195.5 78.3 117.5#
 141 422.7 56.2 84.4#





#75

Fluoranthene

Concen: 3.168 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113420.D

Acq: 29 Mar 2019 18:26

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-035-B

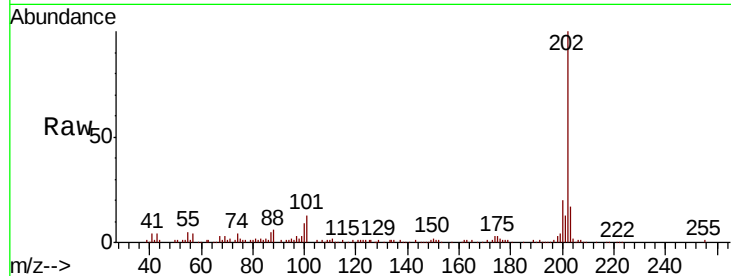
Tgt Ion:202 Resp: 105024

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.4

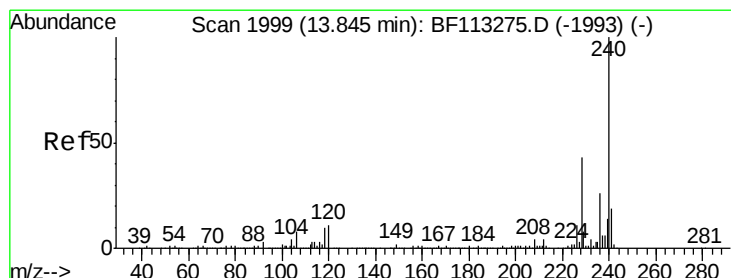
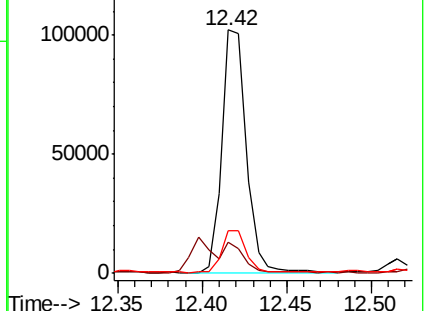
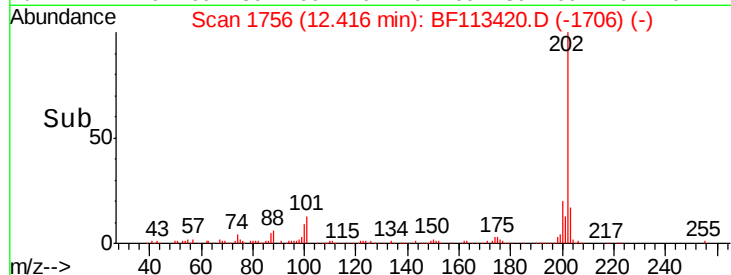
203 17.4 0.0 38.0



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: BF113420.D

Acq: 29 Mar 2019 18:26

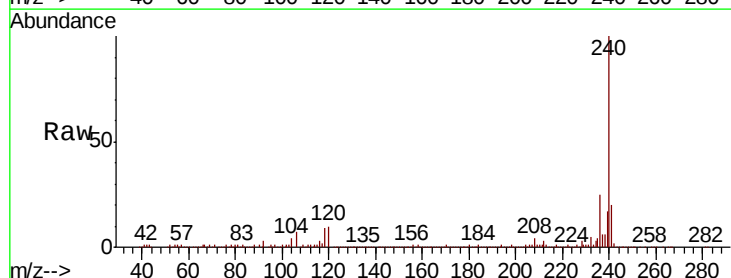
Tgt Ion:240 Resp: 465567

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

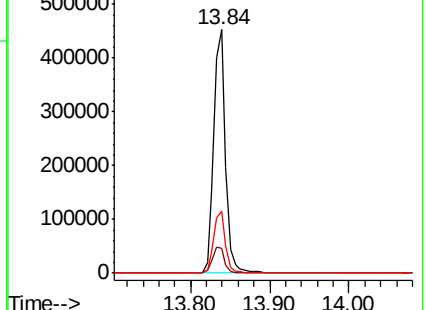
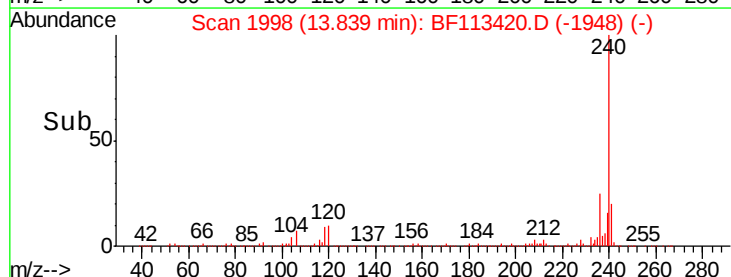
236 25.3 20.9 31.3

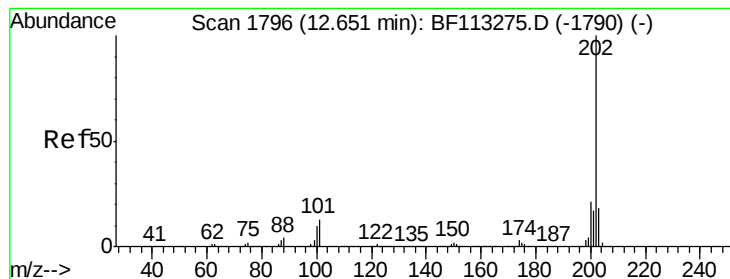


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.060 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113420.D

Acq: 29 Mar 2019 18:26

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-035-B

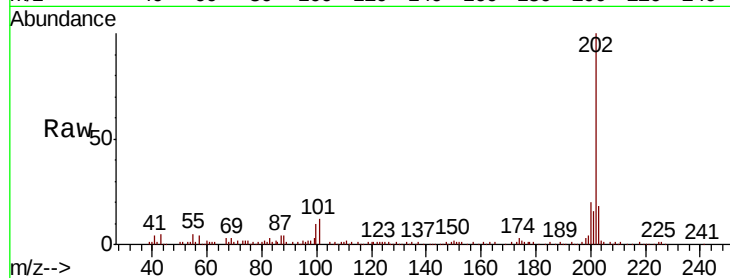
Tgt Ion: 202 Resp: 98726

Ion Ratio Lower Upper

202 100

200 19.7 16.8 25.2

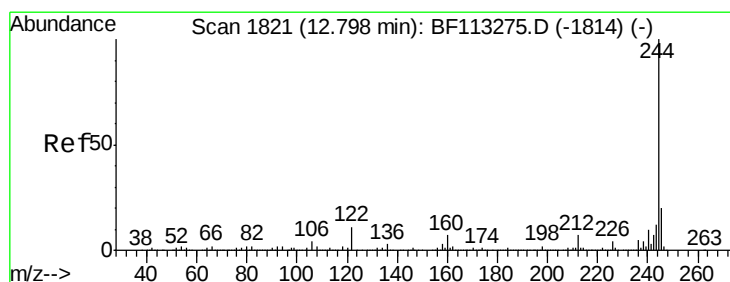
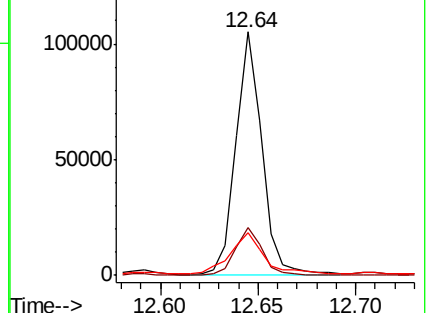
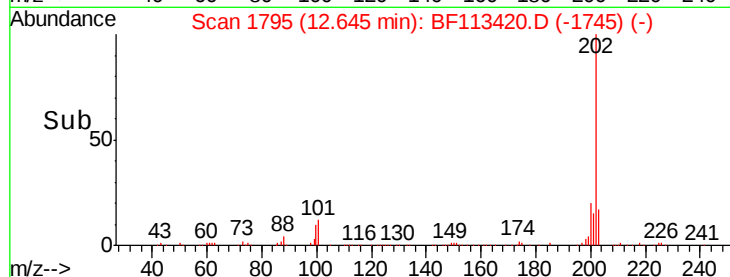
203 17.6 14.4 21.6



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: 67.099 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113420.D

Acq: 29 Mar 2019 18:26

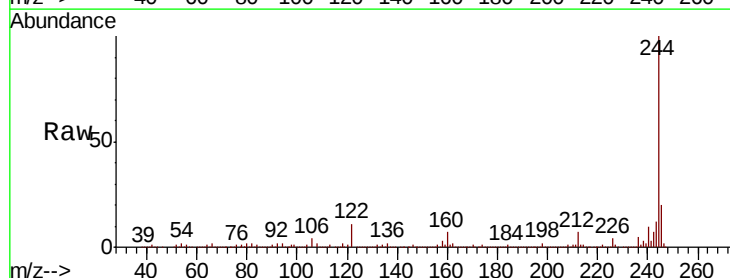
Tgt Ion: 244 Resp: 1417282

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

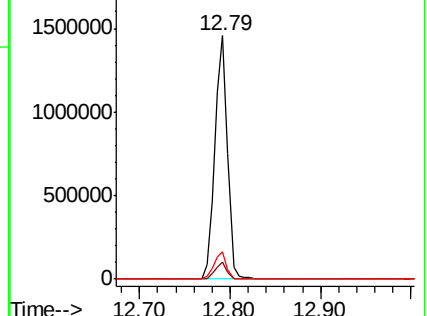
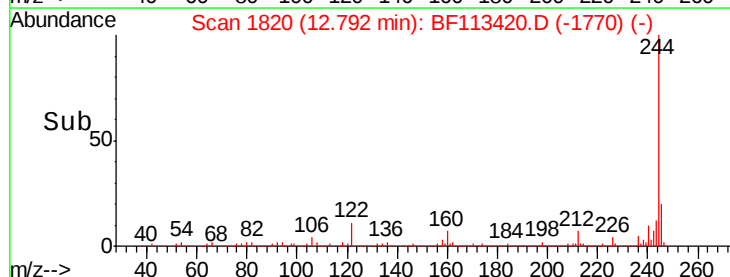
122 10.9 8.6 13.0

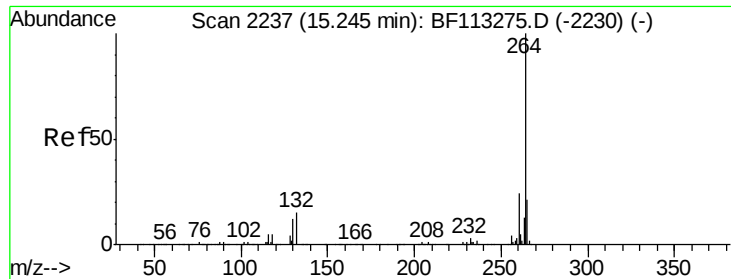


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

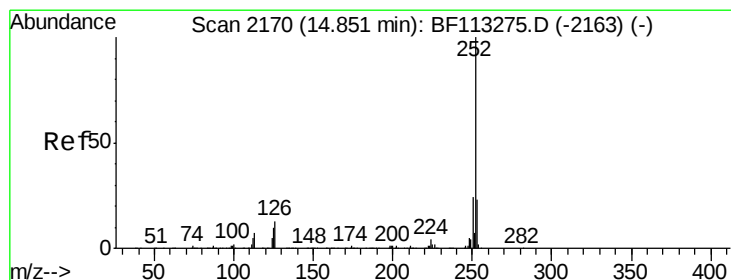
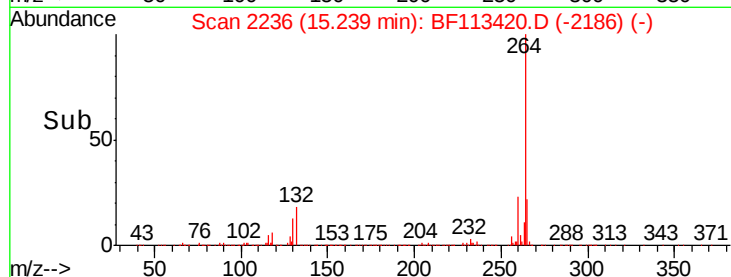
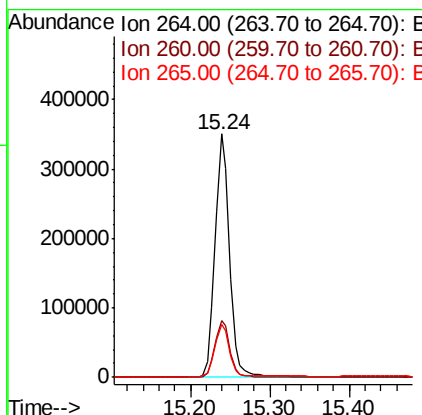
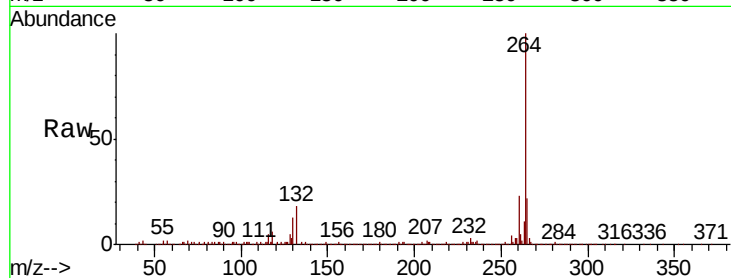




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113420.D
Acq: 29 Mar 2019 18:26

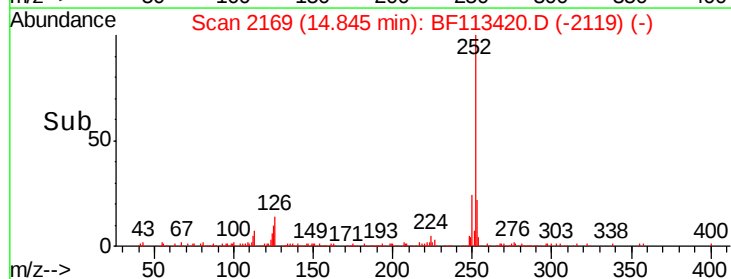
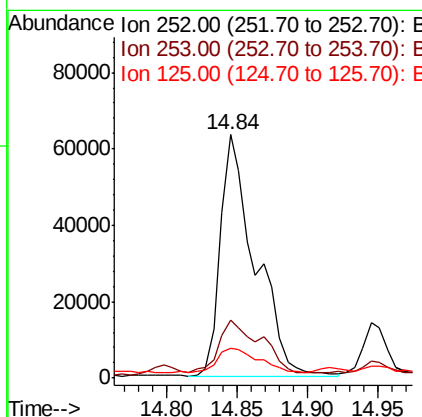
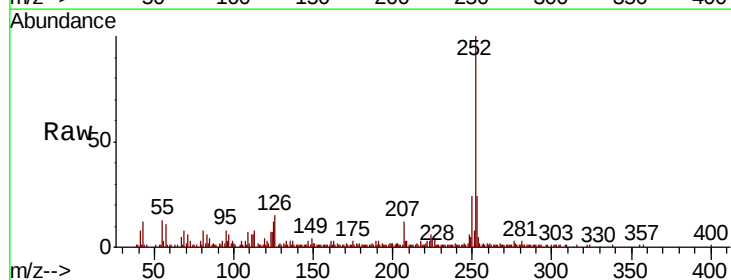
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-B

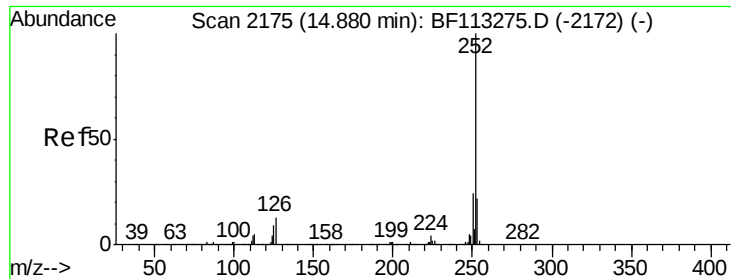
Tgt Ion:264 Resp: 442542
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 21.8 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 3.963 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113420.D
Acq: 29 Mar 2019 18:26

Tgt Ion:252 Resp: 108958
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 12.3 7.6 11.4#

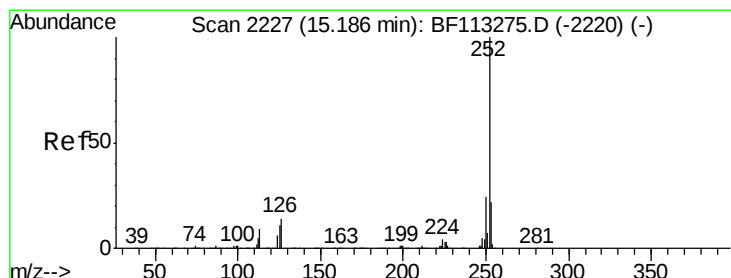
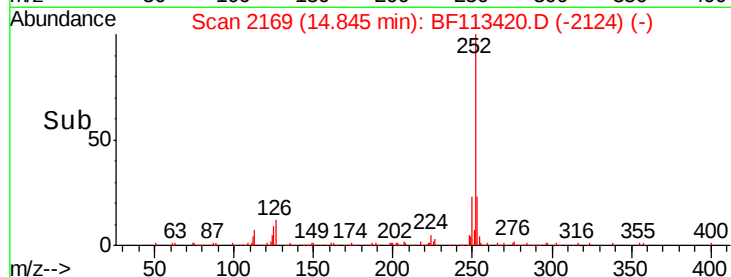
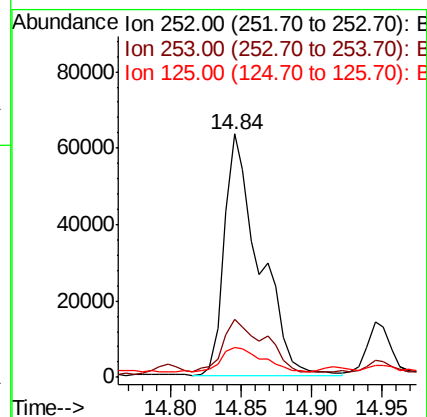
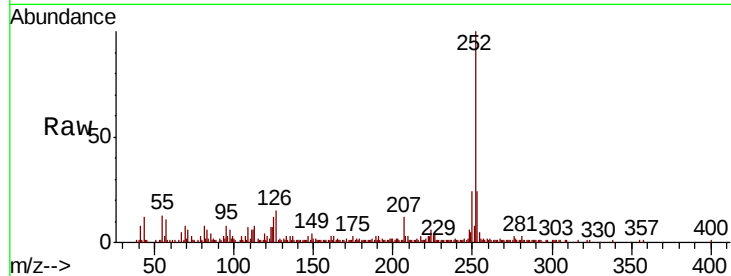




#89
Benzo(k)fluoranthene
Concen: 4.513 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113420.D
Acq: 29 Mar 2019 18:26

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

Tgt Ion:252 Resp: 108958
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 12.3 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.410 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113420.D
Acq: 29 Mar 2019 18:26

Tgt Ion:252 Resp: 58728
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 13.3 8.8 13.2#

