

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032819\
 Data File : BF113388.D
 Acq On : 28 Mar 2019 21:58
 Operator : JU/SJ
 Sample : K2130-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Mar 29 02:14:01 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	188393	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	725468	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	349306	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	635249	20.00	ng	0.00
76) Chrysene-d12	13.84	240	450510	20.00	ng	0.00
87) Perylene-d12	15.24	264	467847	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	924536	80.24	ng	0.00
7) Phenol-d6	6.35	99	1195000	81.99	ng	0.00
23) Nitrobenzene-d5	7.26	82	729174	59.66	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	329512	76.37	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1347114	54.02	ng	0.00
79) Terphenyl-d14	12.79	244	1134747	55.52	ng	0.00

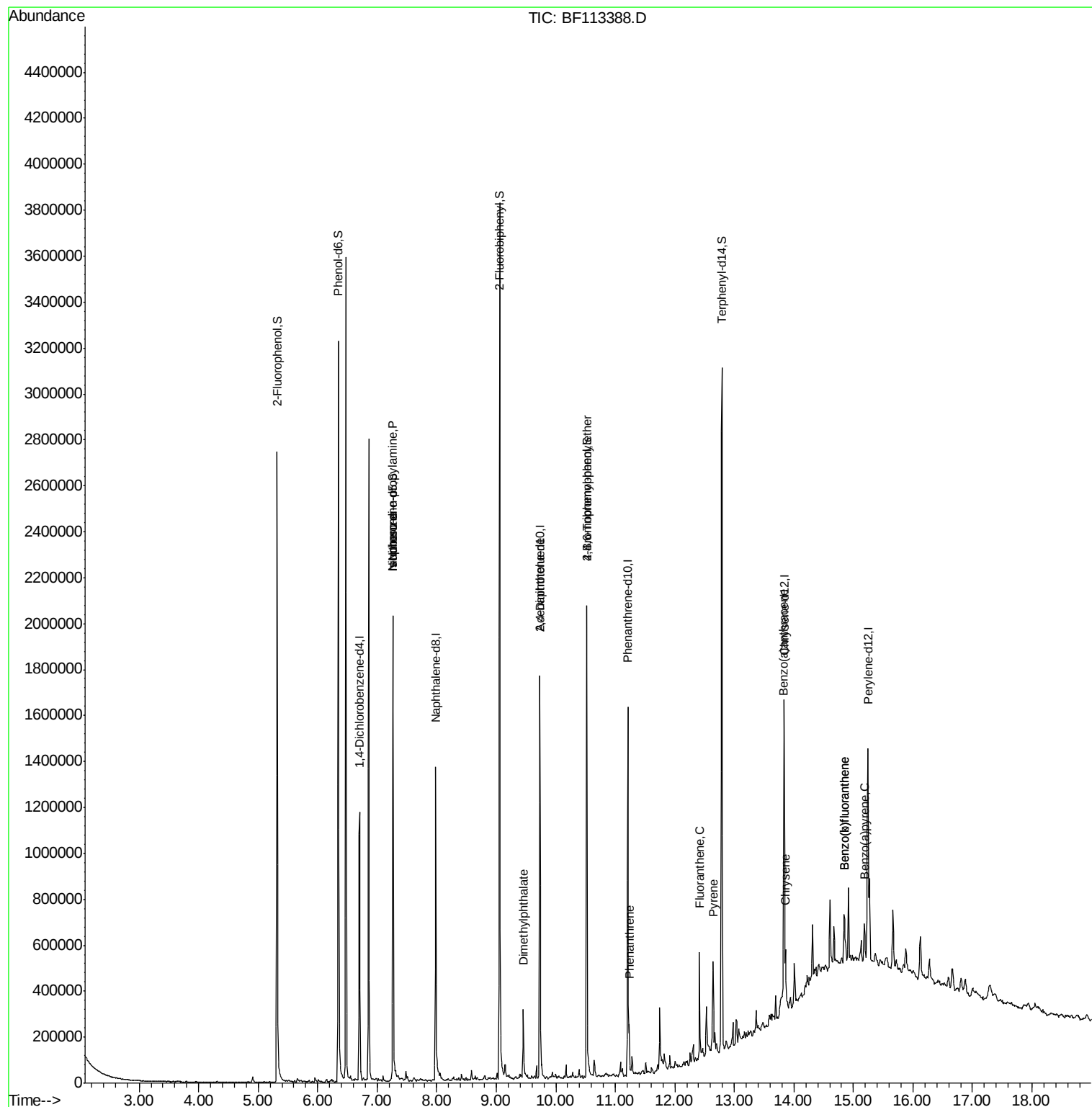
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	98779	10.789	ng	# 75
25) Isophorone	7.26	82	725672	30.636	ng	# 64
50) Dimethylphthalate	9.45	163	132959	5.136	ng	100
57) 2,4-Dinitrotoluene	9.73	165	45501	6.127	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	18648	2.693	ng	# 1
71) Phenanthrene	11.23	178	65396	2.073	ng	98
75) Fluoranthene	12.42	202	201751	5.657	ng	98
78) Pyrene	12.65	202	182971	5.861	ng	98
81) Benzo(a)anthracene	13.83	228	113224	4.391	ng	98
83) Chrysene	13.86	228	93486	3.569	ng	98
88) Benzo(b)fluoranthene	14.84	252	144224	4.963	ng	# 94
89) Benzo(k)fluoranthene	14.84	252	144224	5.651	ng	# 93
90) Benzo(a)pyrene	15.19	252	74134	2.877	ng	# 92

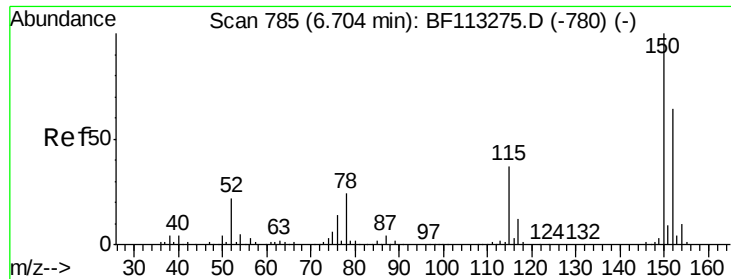
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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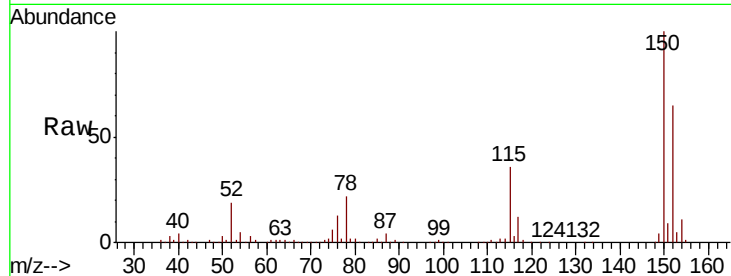


#1

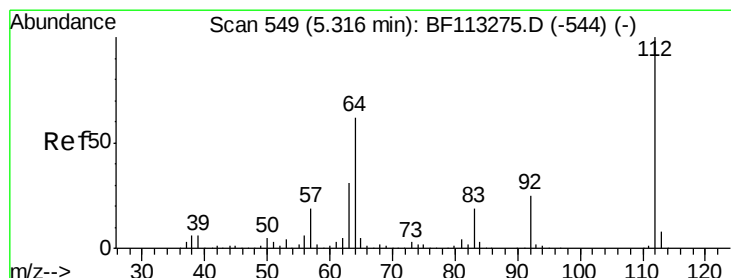
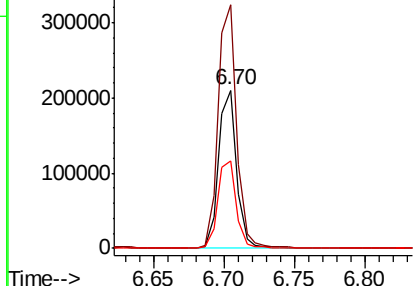
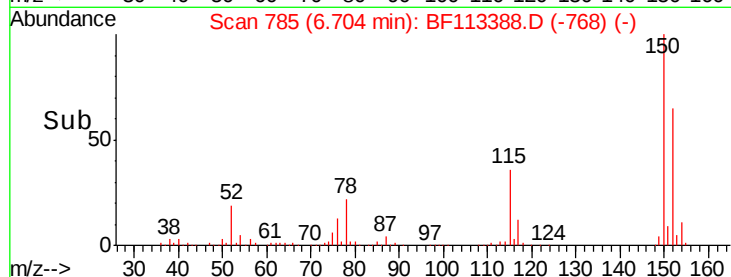
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

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

Tgt Ion:152 Resp: 188393
Ion Ratio Lower Upper
152 100
150 154.0 124.7 187.1
115 55.5 46.0 69.0



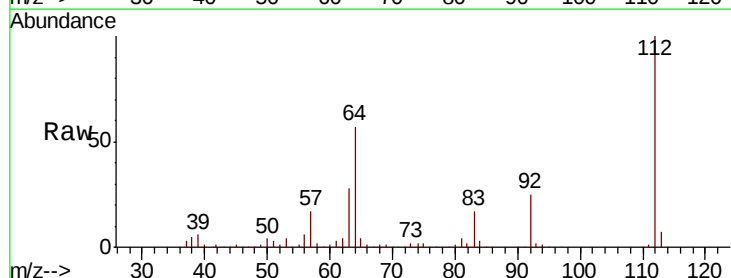
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



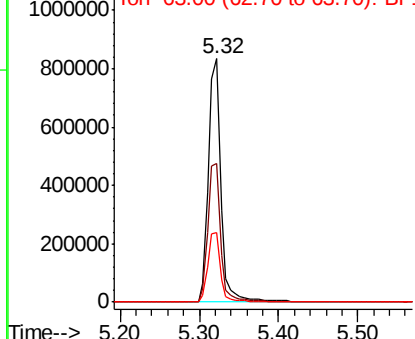
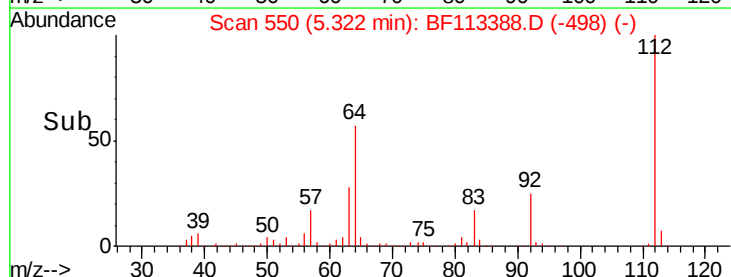
#5

2-Fluorophenol
Concen: 80.243 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion:112 Resp: 924536
Ion Ratio Lower Upper
112 100
64 57.0 49.2 73.8
63 28.3 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: 81.987 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-A

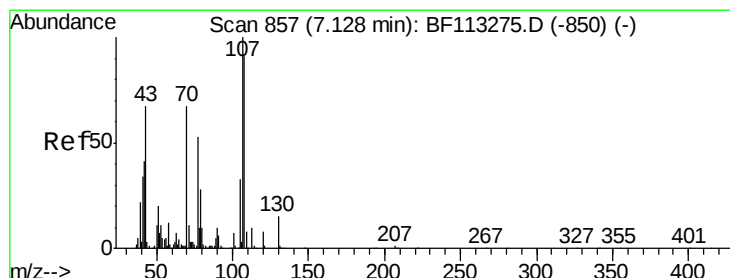
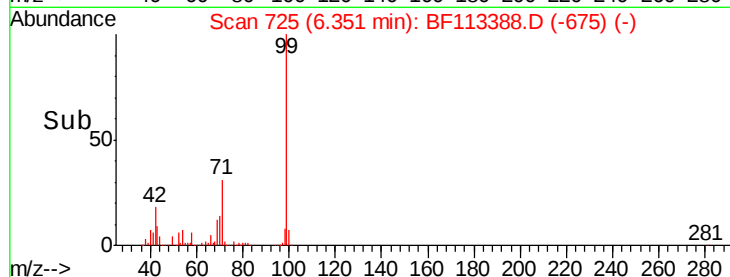
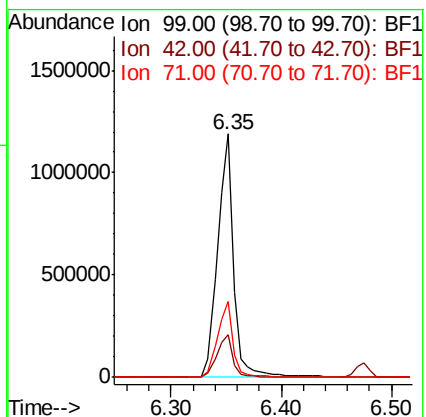
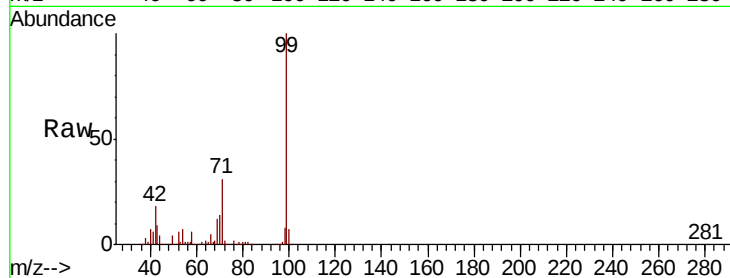
Tgt Ion: 99 Resp: 1195000

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

71 31.1 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 10.789 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Tgt Ion: 70 Resp: 98779

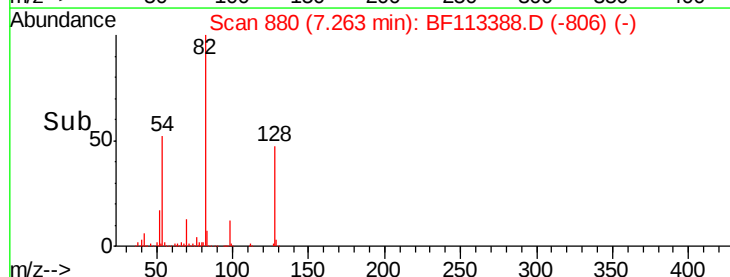
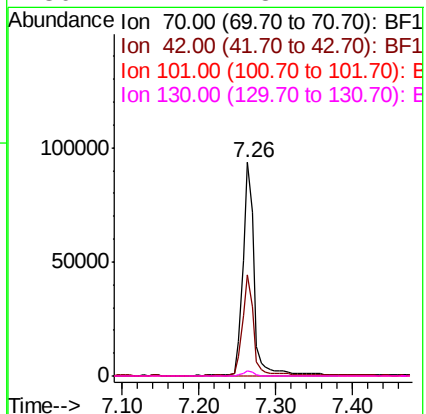
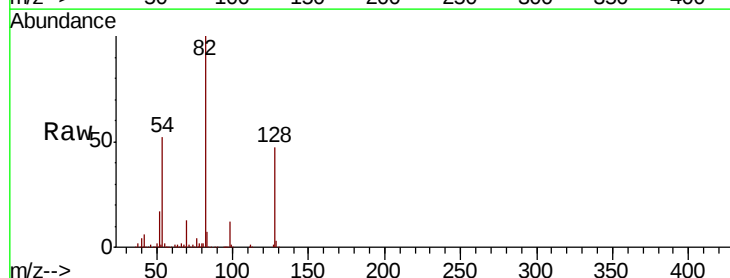
Ion Ratio Lower Upper

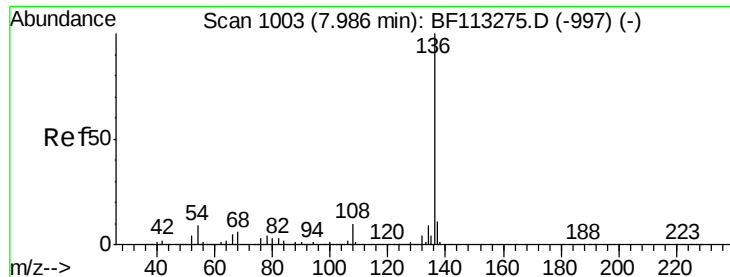
70 100

42 47.2 48.4 72.6#

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

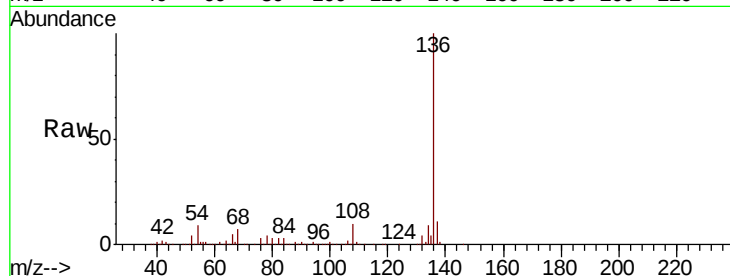




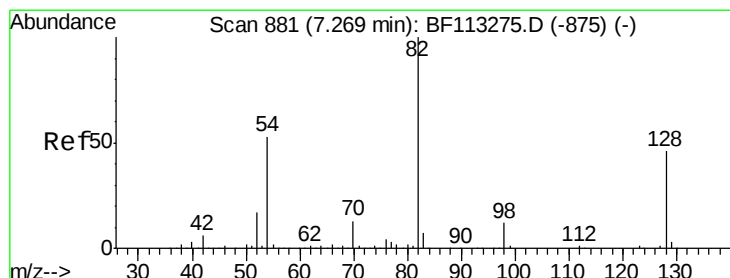
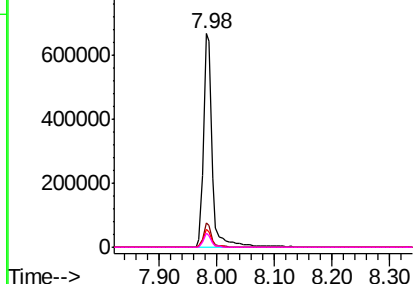
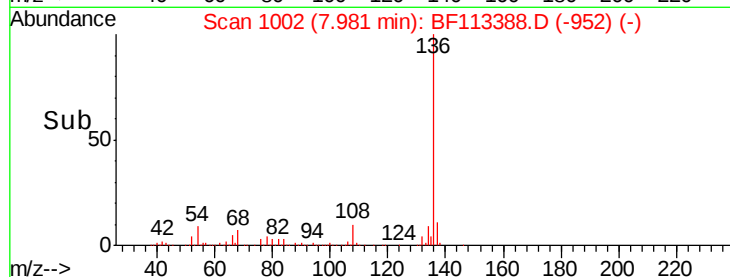
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

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

Tgt Ion:	136	Resp:	725468
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.7	7.0	10.6
68	6.5	4.8	7.2

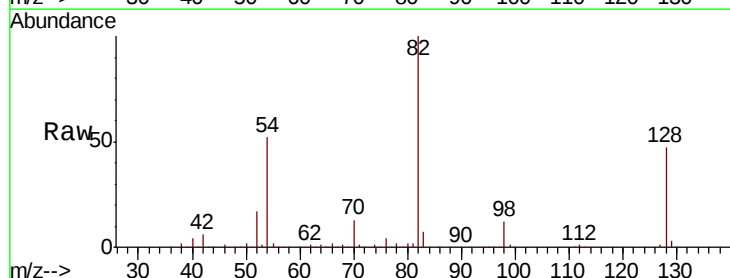


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

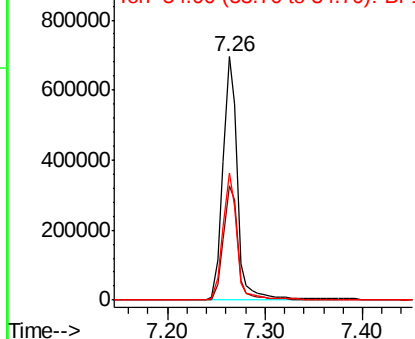
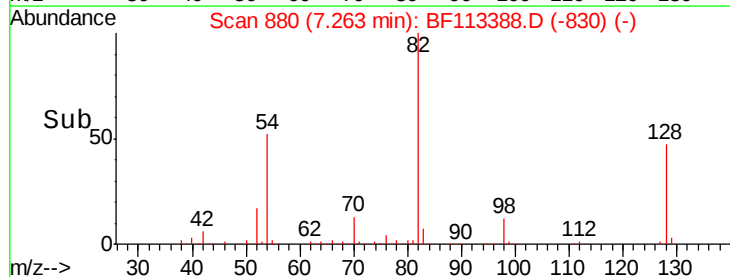


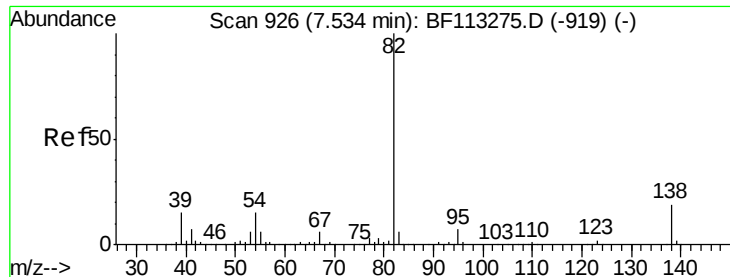
#23
Nitrobenzene-d5
Concen: 59.657 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion:	82	Resp:	729174
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.5	54.7
54	52.4	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: 30.636 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-A

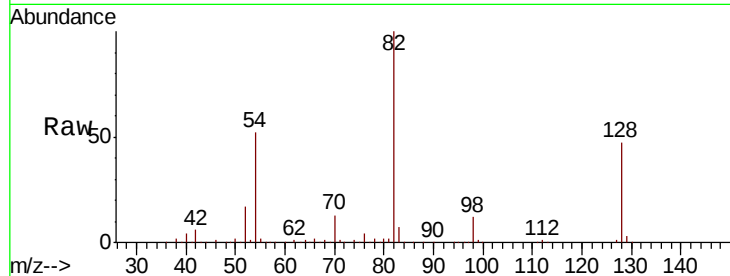
Tgt Ion: 82 Resp: 725672

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

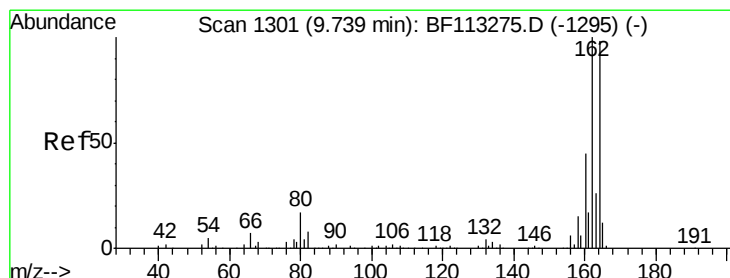
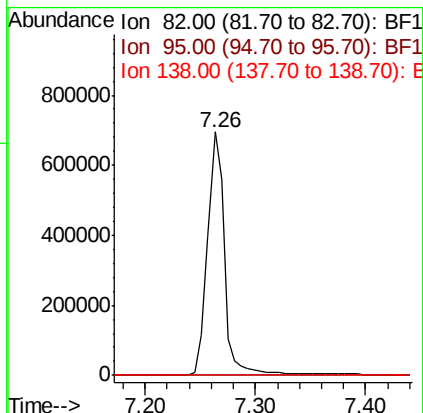
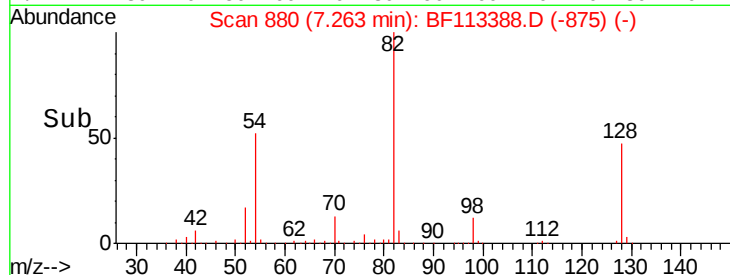
138 0.0 15.2 22.8#



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: BF113388.D

Acq: 28 Mar 2019 21:58

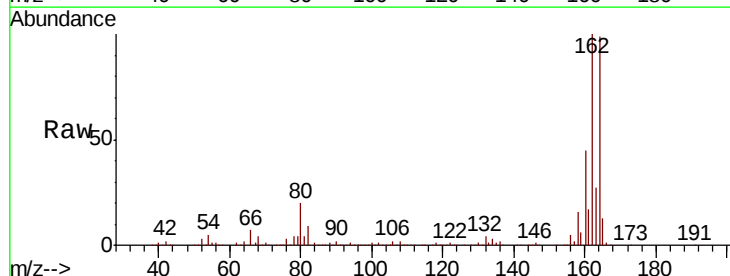
Tgt Ion: 164 Resp: 349306

Ion Ratio Lower Upper

164 100

162 100.7 81.8 122.6

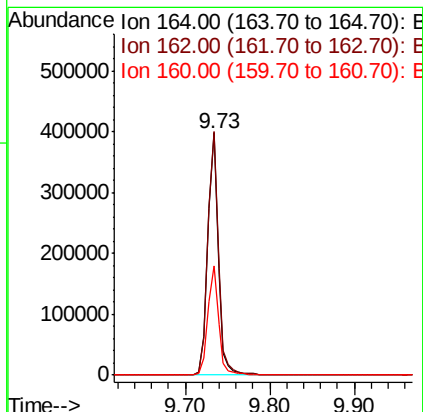
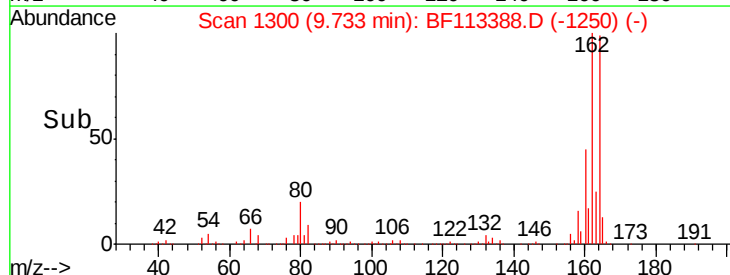
160 45.1 36.4 54.6

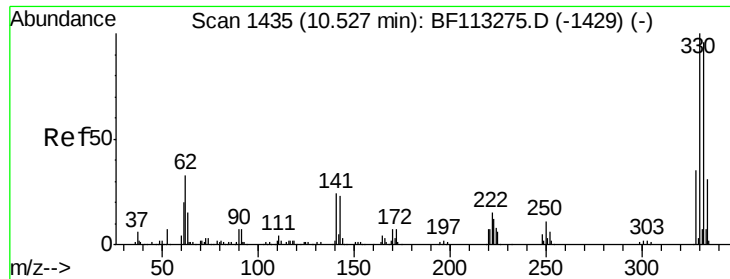


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

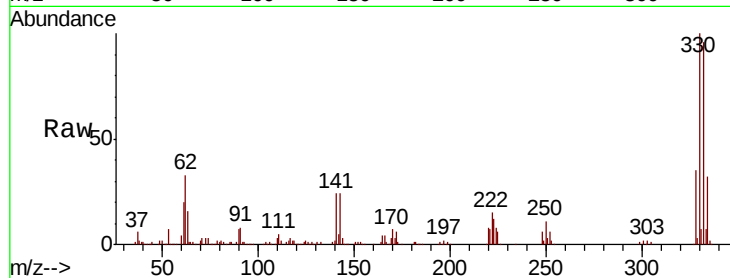




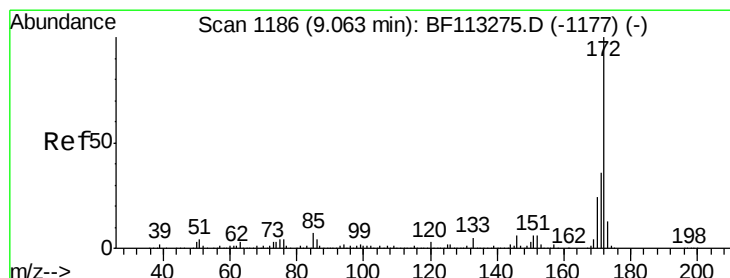
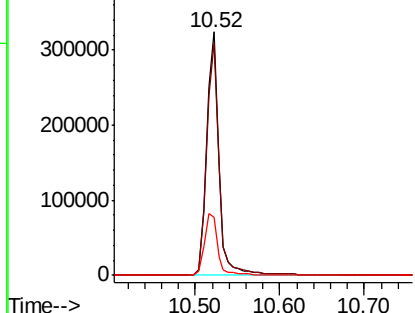
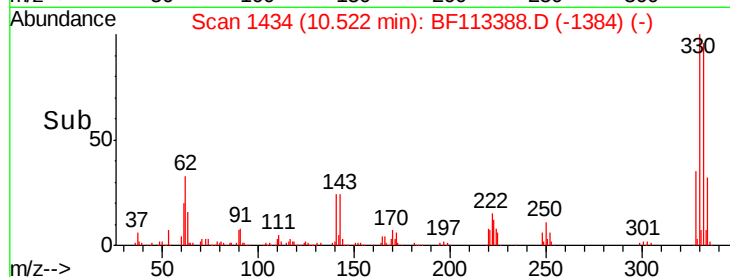
#42
 2,4,6-Tribromophenol
 Concen: 76.369 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113388.D
 Acq: 28 Mar 2019 21:58

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

Tgt Ion:330 Resp: 329512
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.8 116.6
 141 27.9 22.7 34.1

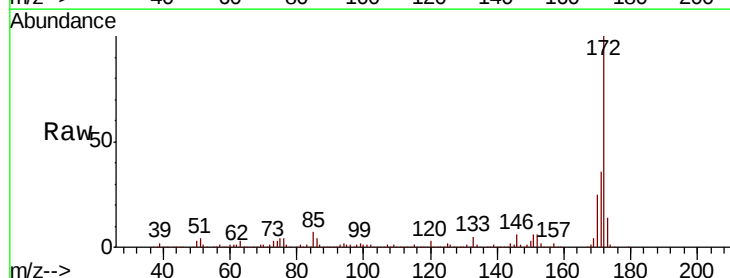


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

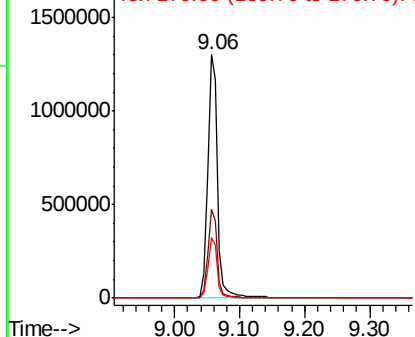
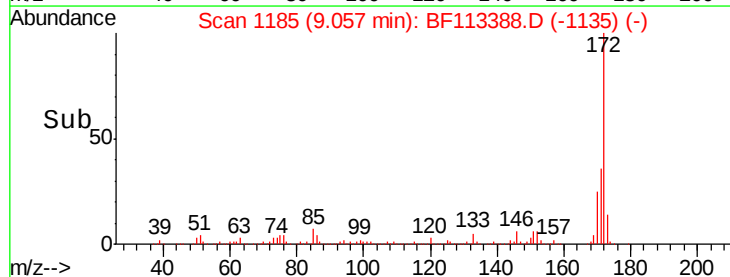


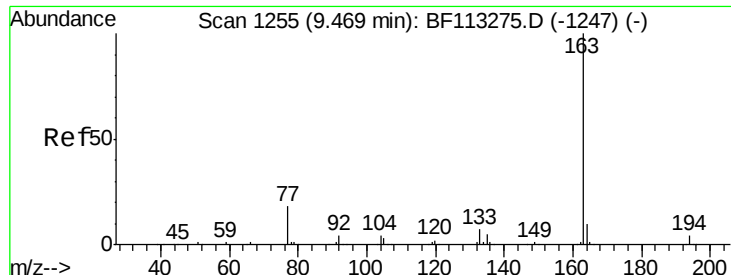
#45
 2-Fluorobiphenyl
 Concen: 54.017 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF113388.D
 Acq: 28 Mar 2019 21:58

Tgt Ion:172 Resp: 1347114
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 24.7 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

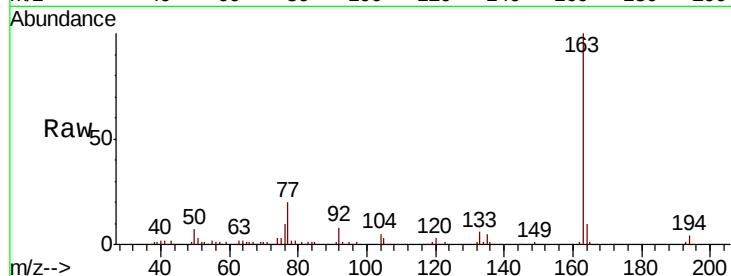




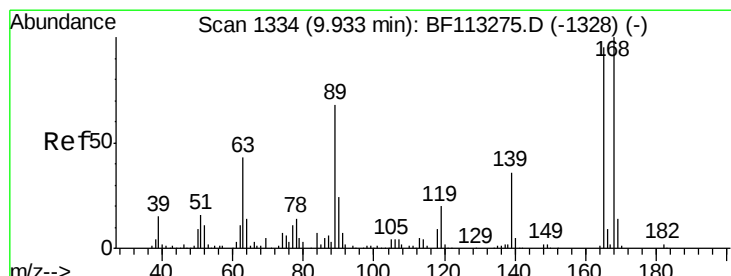
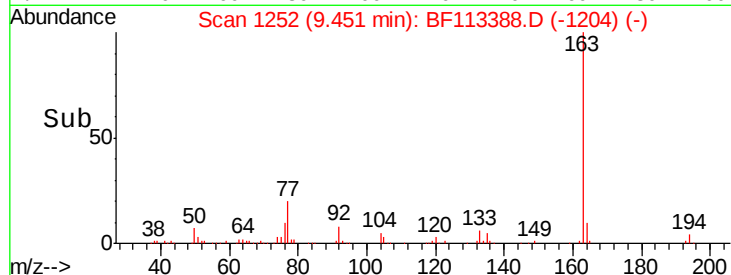
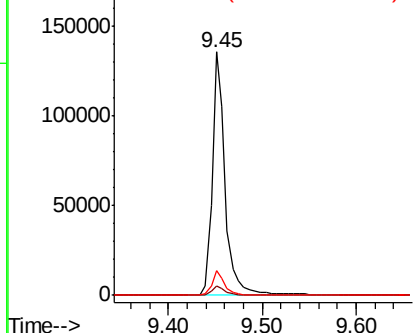
#50
Dimethylphthalate
Concen: 5.136 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

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

Tgt Ion:	163	Resp:	132959
Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	9.9	8.1	12.1

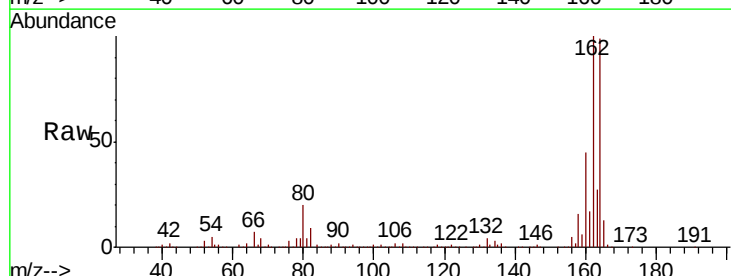


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

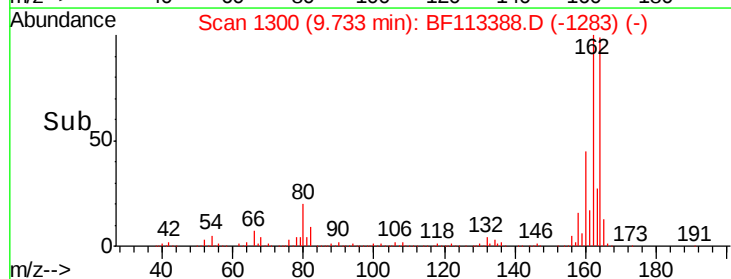
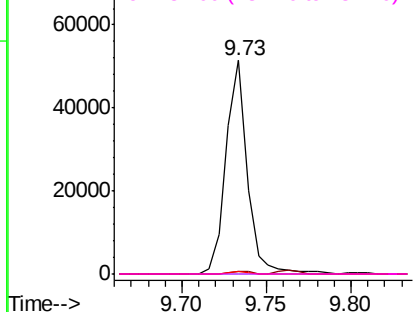


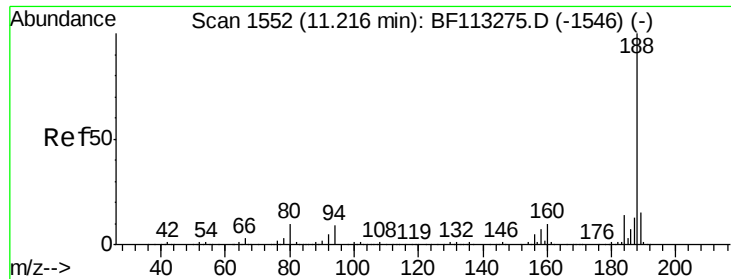
#57
2,4-Dinitrotoluene
Concen: 6.127 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.20 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion:	165	Resp:	45501
Ion	Ratio	Lower	Upper
165	100		
63	1.3	37.5	56.3#
89	1.3	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

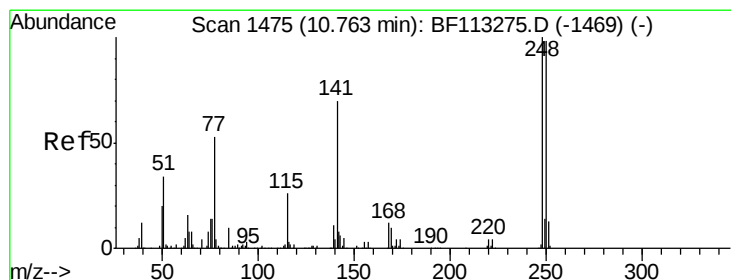
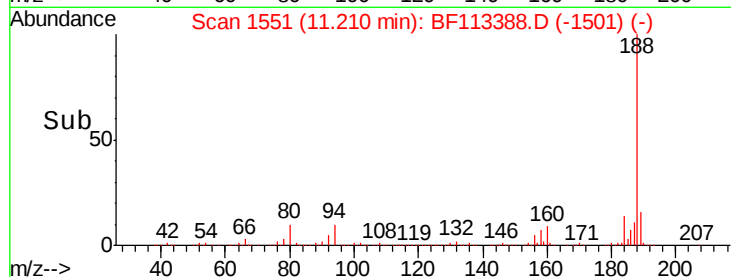
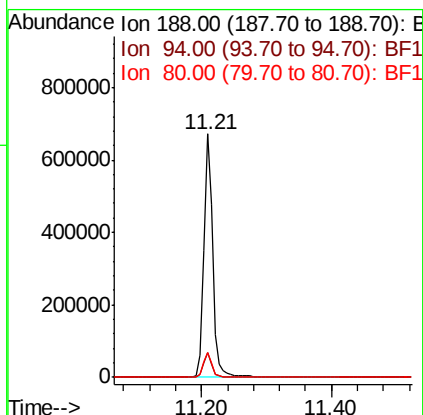
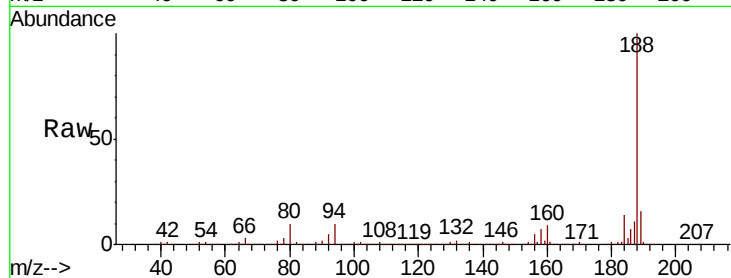




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113388.D
 Acq: 28 Mar 2019 21:58

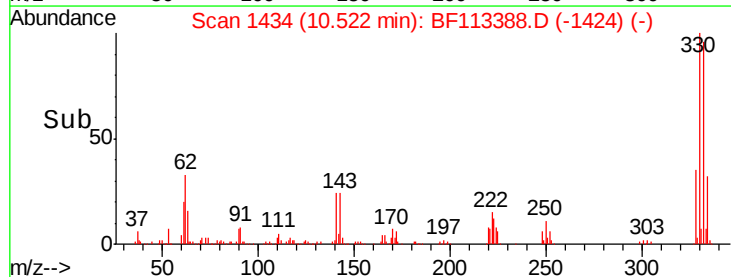
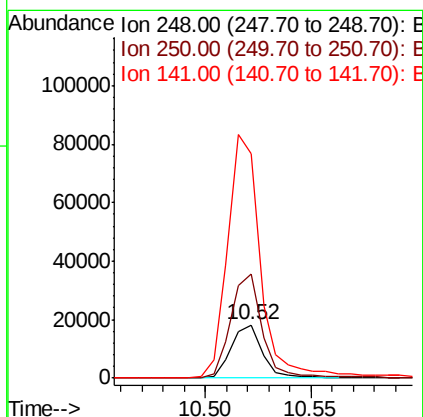
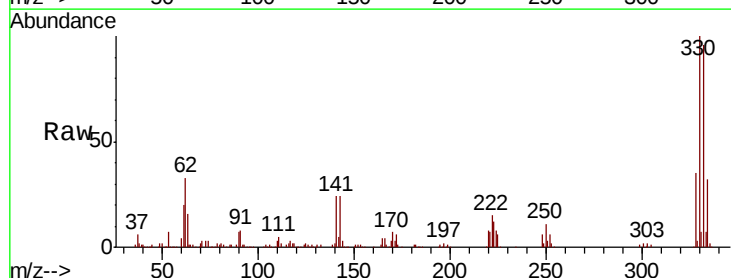
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-A

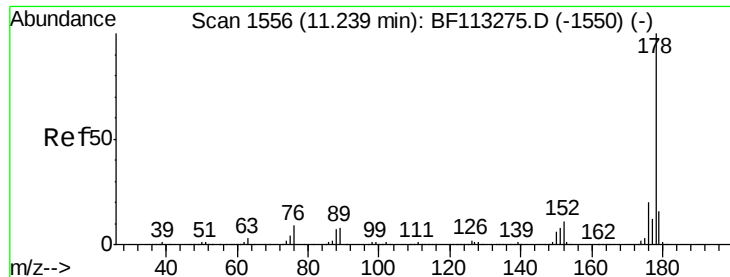
Tgt Ion:188 Resp: 635249
 Ion Ratio Lower Upper
 188 100
 94 10.2 7.0 10.6
 80 10.4 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 2.693 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113388.D
 Acq: 28 Mar 2019 21:58

Tgt Ion:248 Resp: 18648
 Ion Ratio Lower Upper
 248 100
 250 195.3 78.3 117.5#
 141 423.7 56.2 84.4#





#71

Phenanthrene

Concen: 2.073 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-A

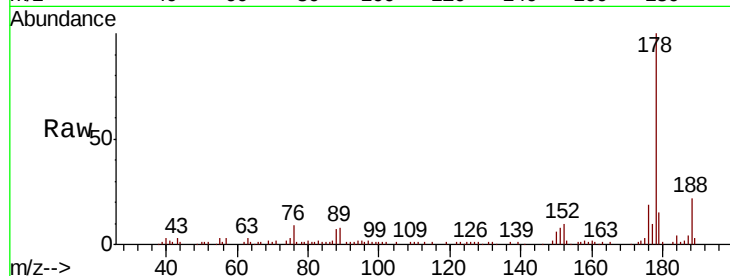
Tgt Ion:178 Resp: 65396

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.2

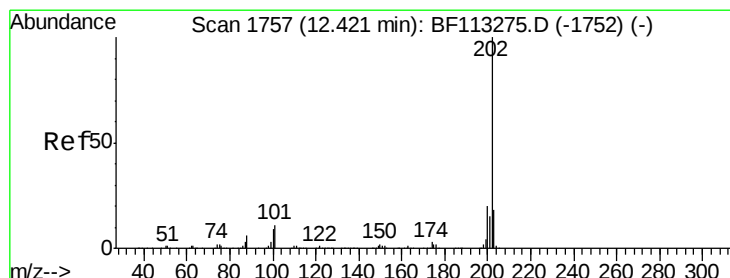
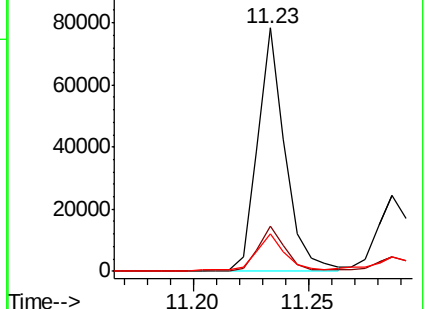
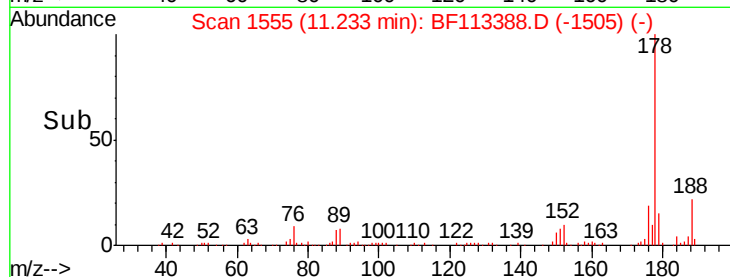
179 15.3 12.7 19.1



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: 5.657 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

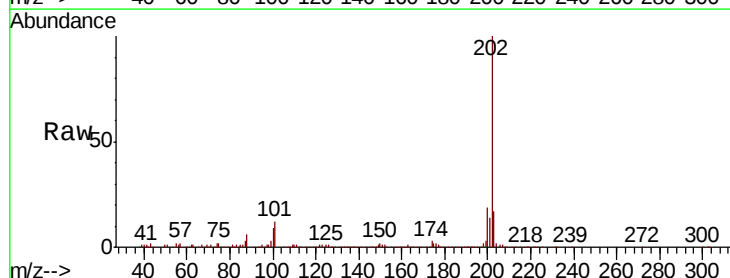
Tgt Ion:202 Resp: 201751

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.4

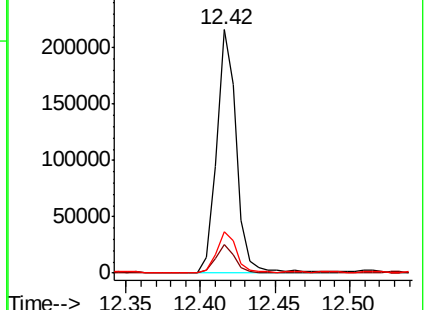
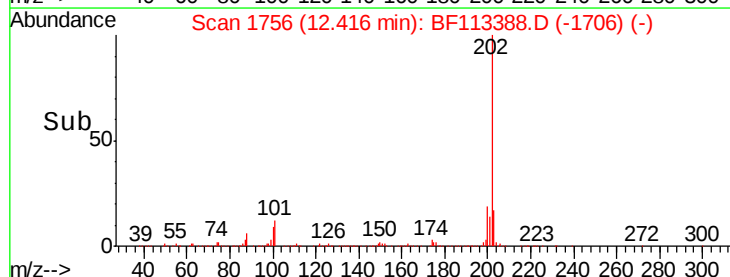
203 16.8 0.0 38.0

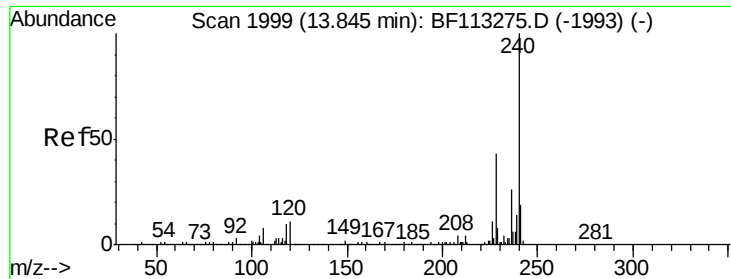


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

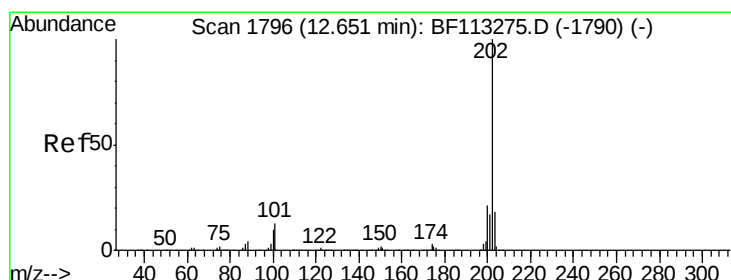
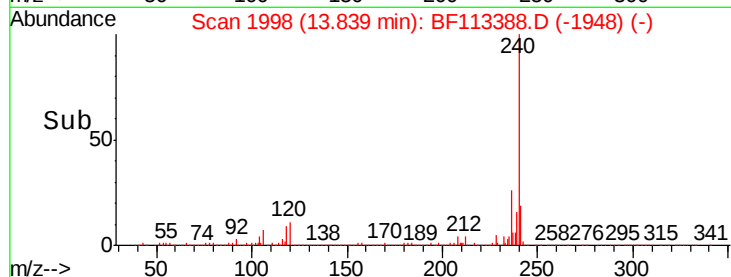
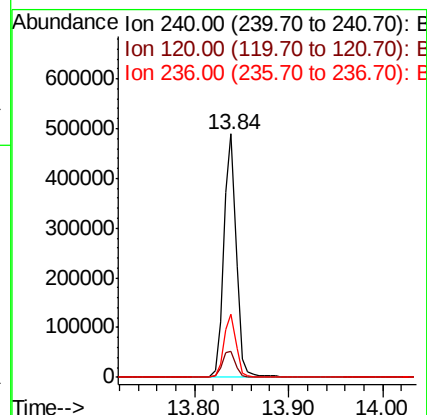
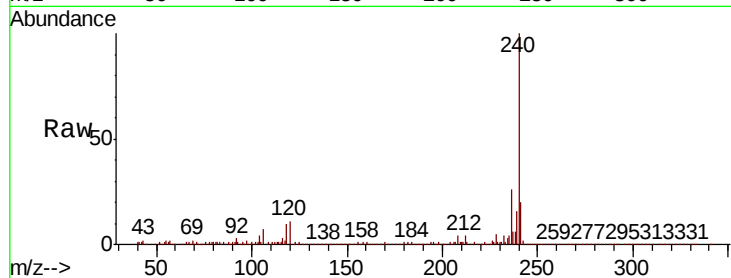




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

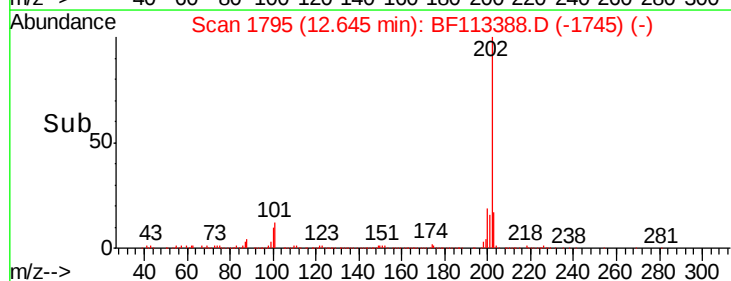
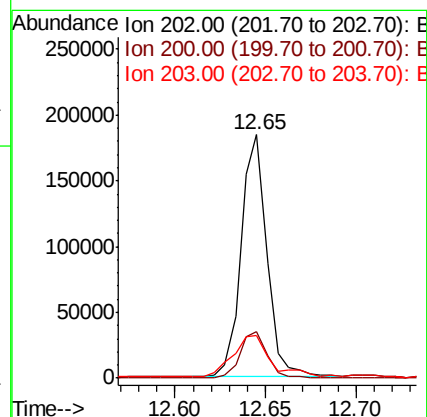
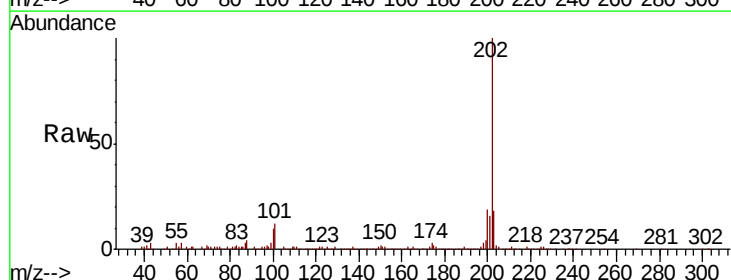
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-A

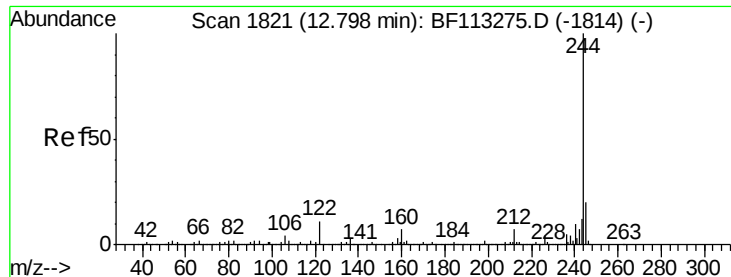
Tgt Ion:240 Resp: 450510
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 26.1 20.9 31.3



#78
Pyrene
Concen: 5.861 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion:202 Resp: 182971
Ion Ratio Lower Upper
202 100
200 19.1 16.8 25.2
203 17.7 14.4 21.6

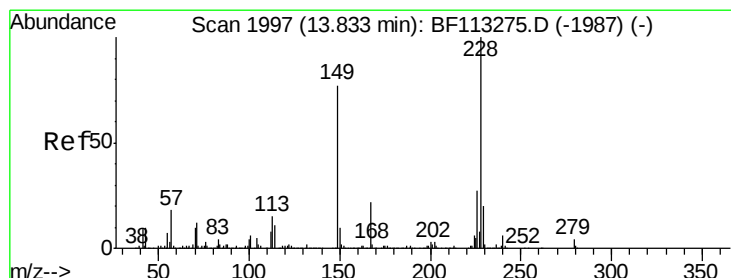
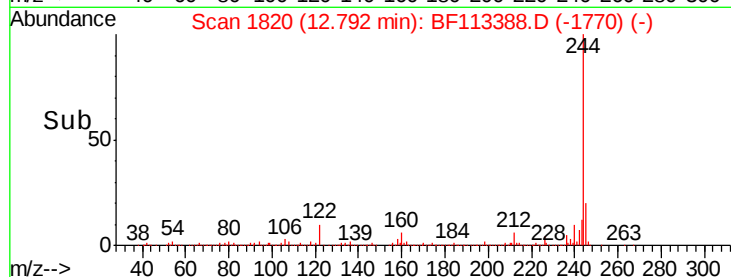
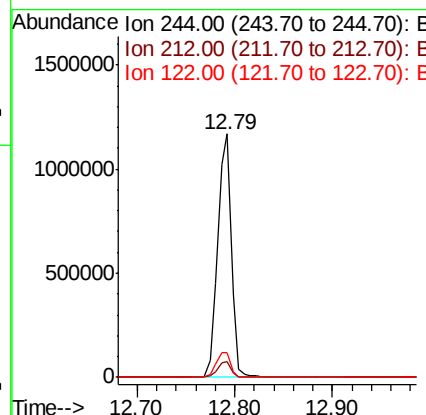
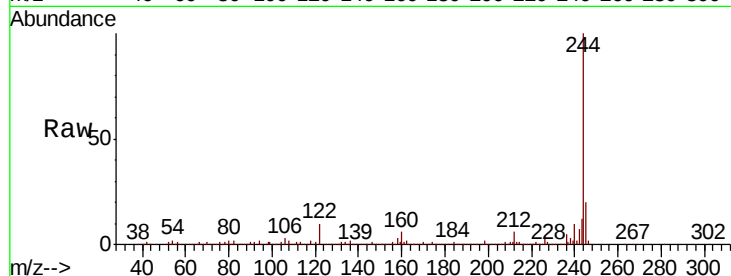




#79
 Terphenyl-d14
 Concen: 55.519 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113388.D
 Acq: 28 Mar 2019 21:58

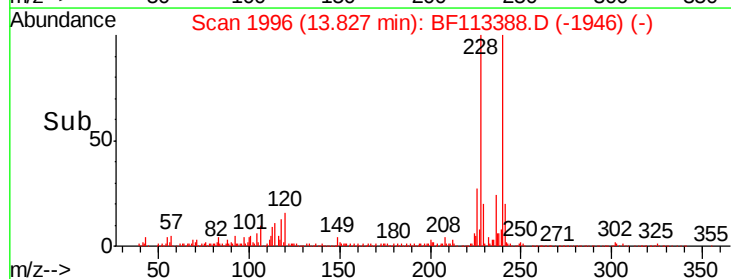
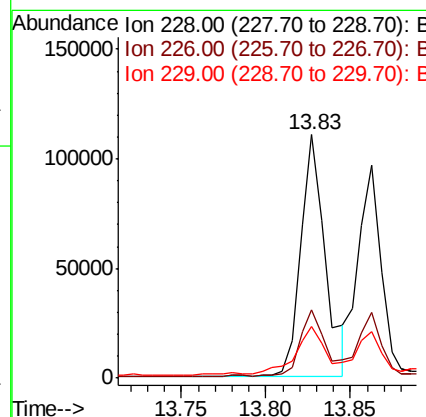
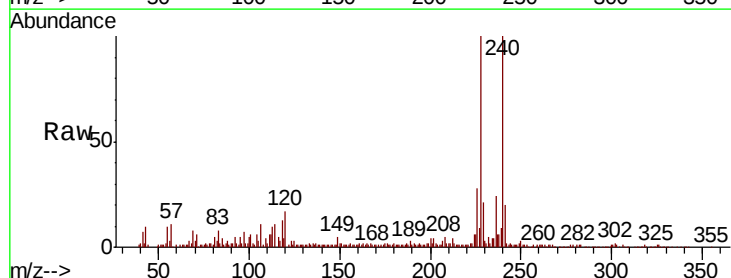
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-A

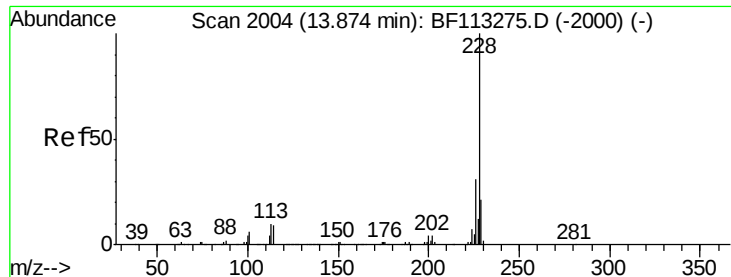
Tgt Ion:244 Resp: 1134747
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.5 8.3
 122 10.2 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 4.391 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113388.D
 Acq: 28 Mar 2019 21:58

Tgt Ion:228 Resp: 113224
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.8 32.8
 229 21.1 16.2 24.4





#83

Chrysene

Concen: 3.569 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-A

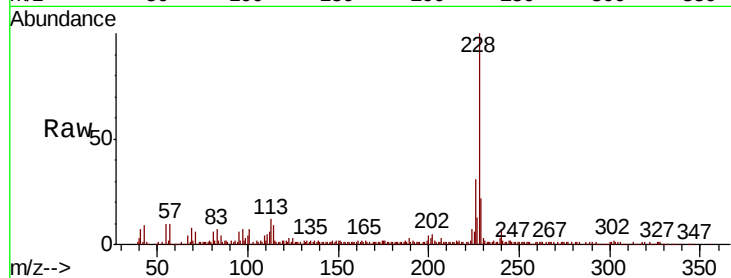
Tgt Ion:228 Resp: 93486

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

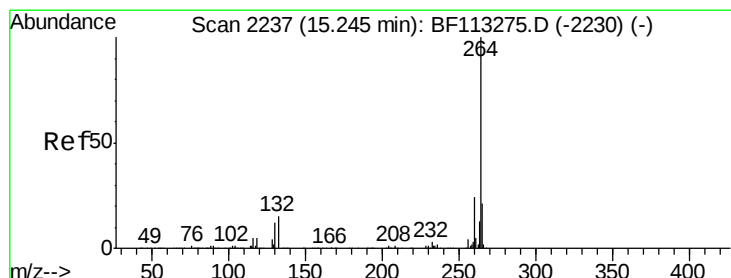
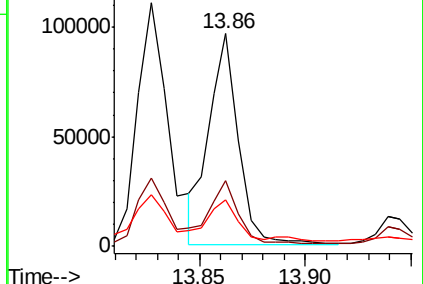
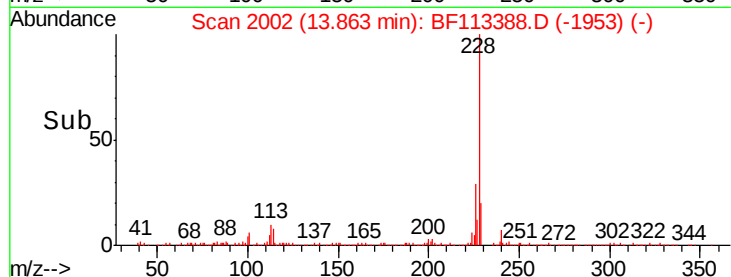
229 21.9 16.3 24.5



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: BF113388.D

Acq: 28 Mar 2019 21:58

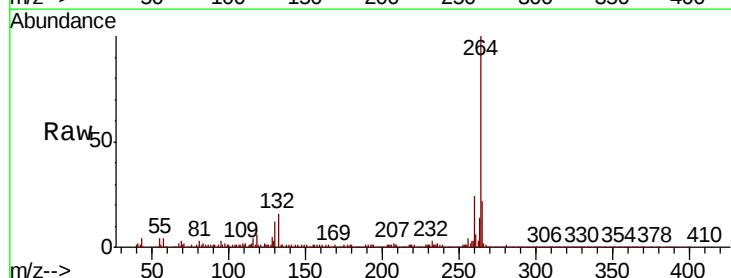
Tgt Ion:264 Resp: 467847

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

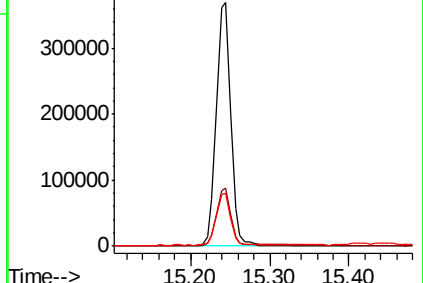
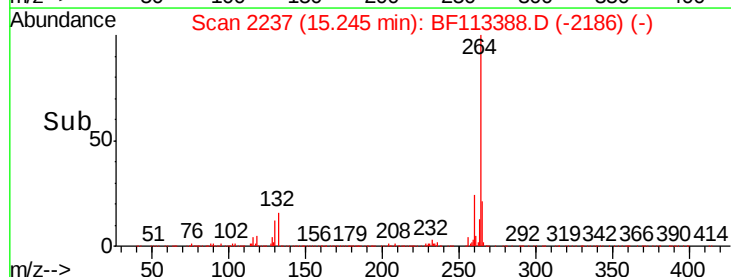
265 21.7 17.1 25.7

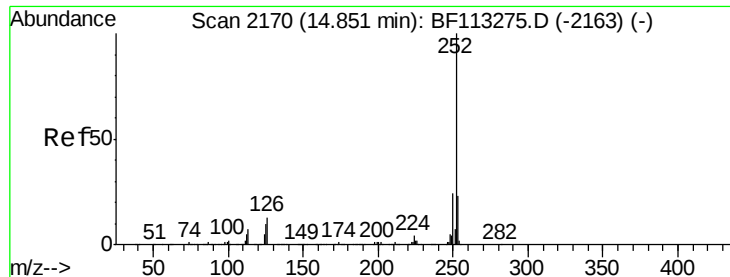


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

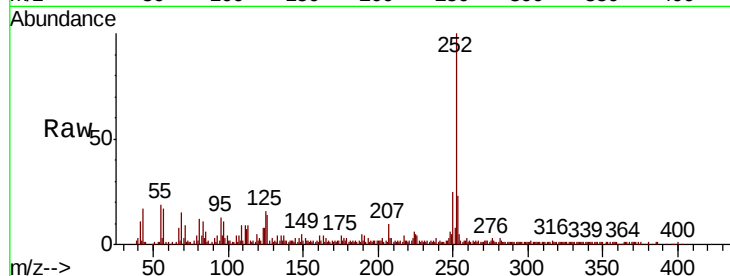




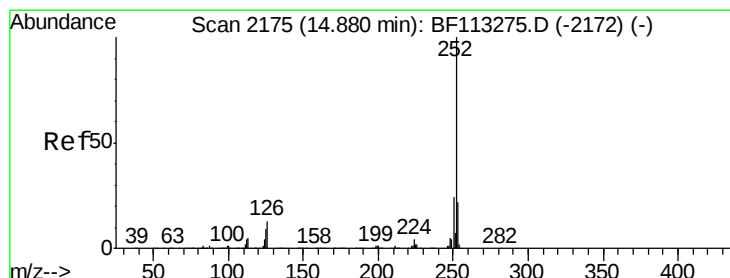
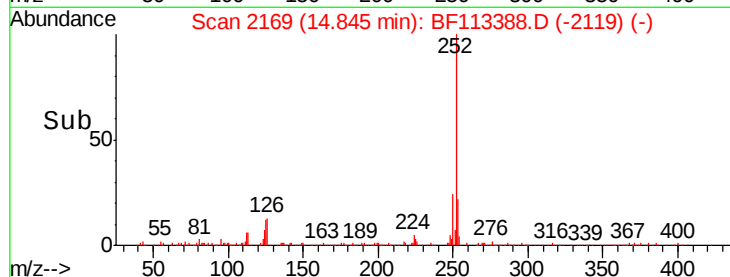
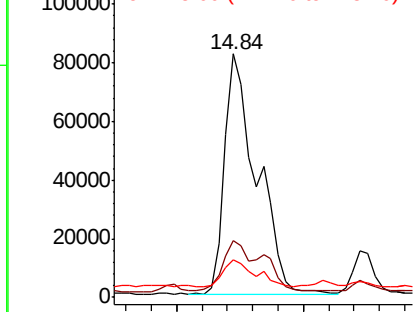
#88
Benzo(b)fluoranthene
Concen: 4.963 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	15.6	7.6	11.4

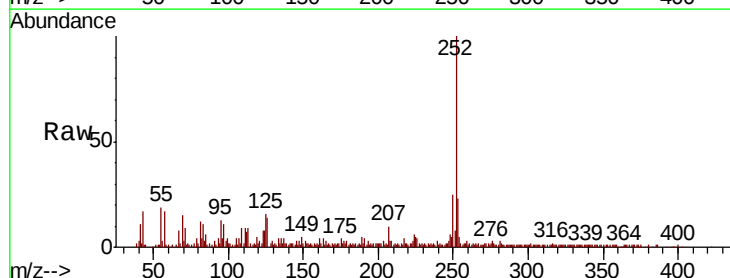


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

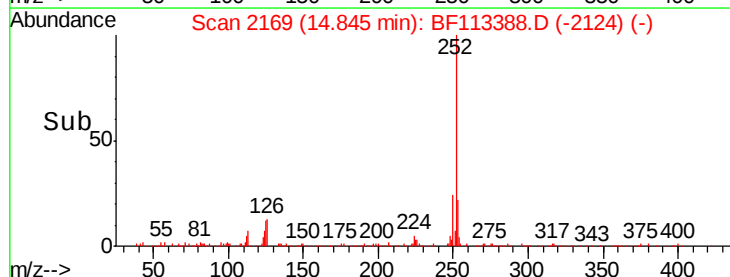
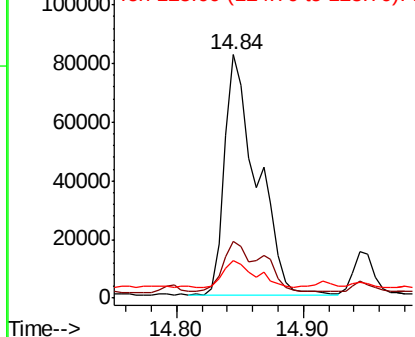


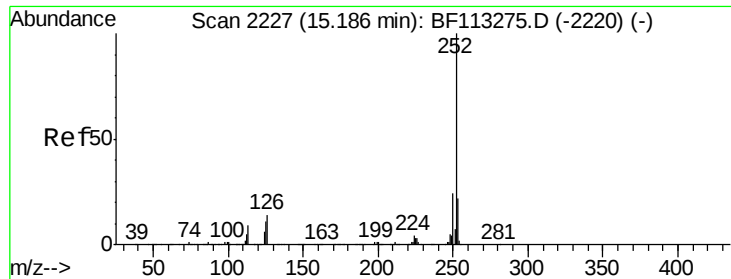
#89
Benzo(k)fluoranthene
Concen: 5.651 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	15.6	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: 2.877 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BF113388.D

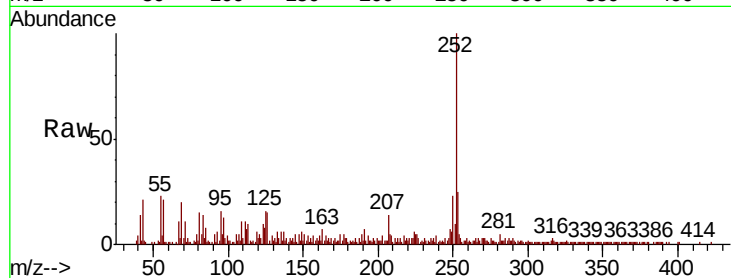
Acq: 28 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-A



Tgt Ion:	252	Resp:	74134
Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	15.8	8.8	13.2#

