

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112802.D
 Acq On : 1 Mar 2019 16:21
 Operator : JU/SJ
 Sample : K1669-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-031-B

Quant Time: Mar 01 21:57:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

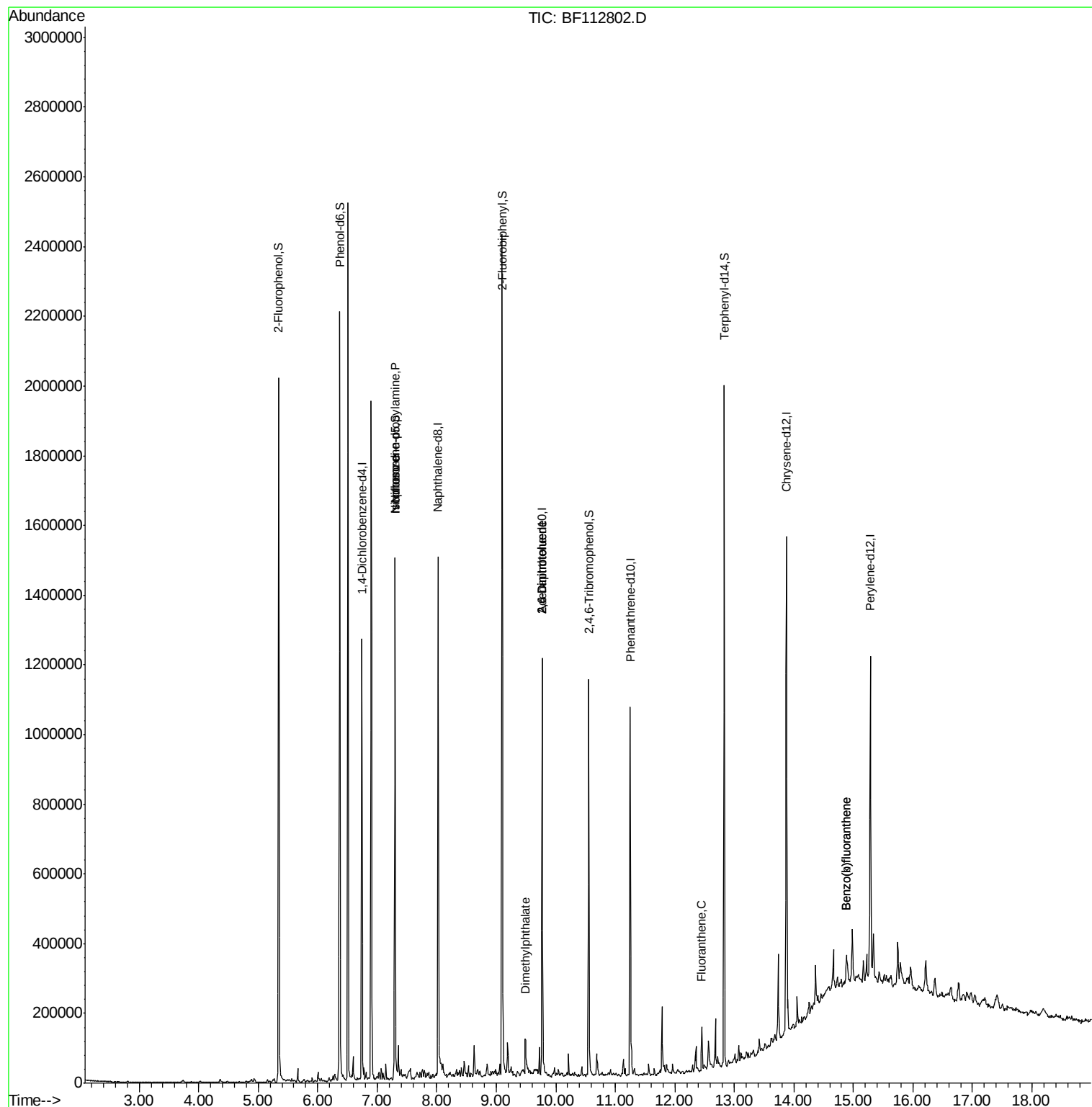
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	188011	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	674350	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	261263	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	426713	20.00	ng	0.00
76) Chrysene-d12	13.87	240	456590	20.00	ng	0.00
87) Perylene-d12	15.29	264	417195	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	598225	49.50	ng	0.00
7) Phenol-d6	6.37	99	772604	50.89	ng	0.00
23) Nitrobenzene-d5	7.30	82	443901	39.39	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	151210	54.52	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	736286	40.56	ng	0.00
79) Terphenyl-d14	12.83	244	618251	26.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	58503	6.084	ng	# 77
25) Isophorone	7.30	82	438354	18.055	ng	# 66
50) Dimethylphthalate	9.49	163	43555	2.261	ng	# 98
51) 2,6-Dinitrotoluene	9.77	165	34532	8.608	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	34533	6.925	ng	# 18
75) Fluoranthene	12.45	202	51985	2.285	ng	# 97
88) Benzo(b)fluoranthene	14.89	252	62179	2.304	ng	# 94
89) Benzo(k)fluoranthene	14.89	252	62179	2.544	ng	# 93

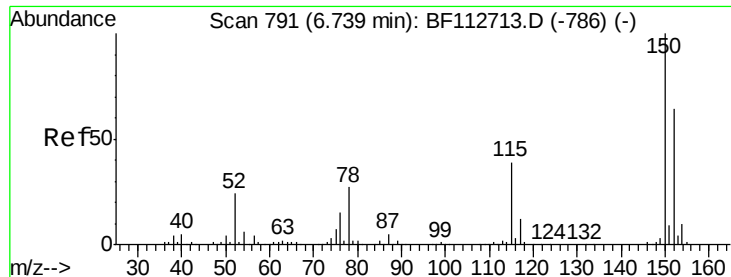
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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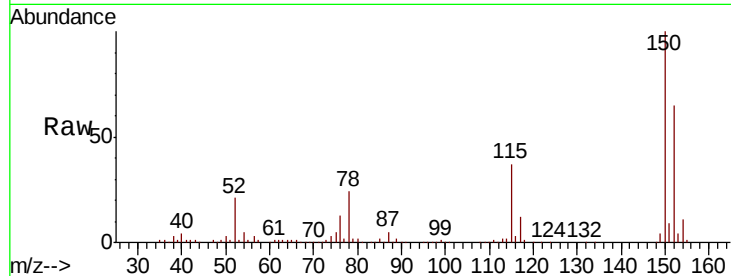


#1

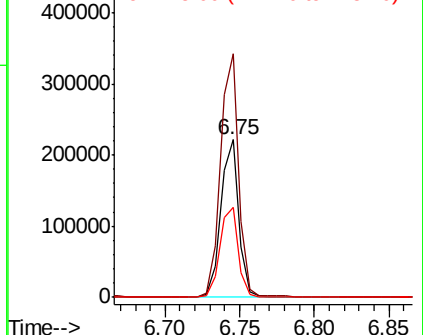
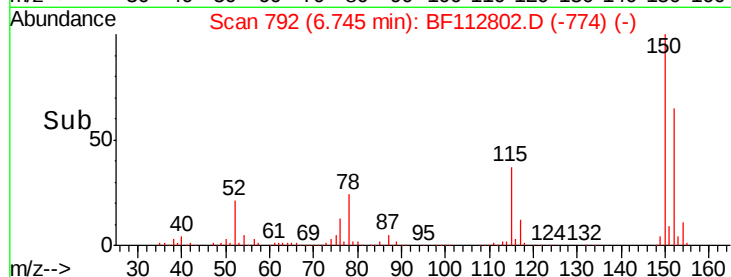
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112802.D
 Acq: 1 Mar 2019 16:21

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-031-B

Tgt Ion:152 Resp: 188011
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.2 186.2
 115 57.5 48.2 72.4



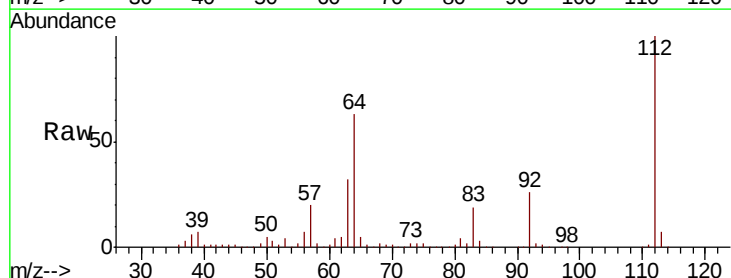
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



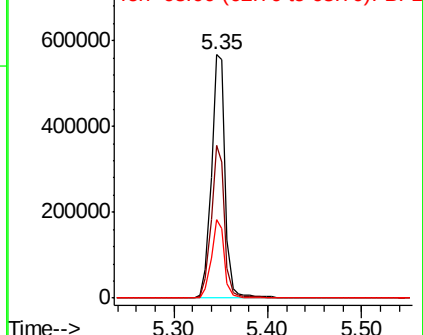
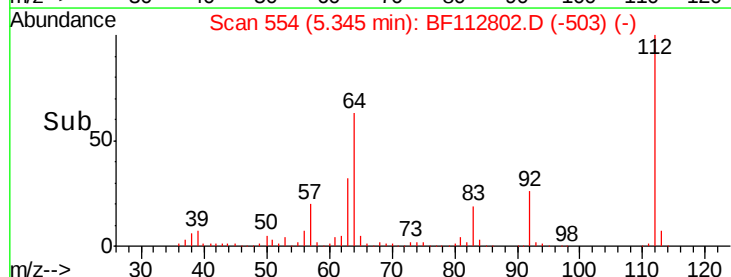
#5

2-Fluorophenol
 Concen: 49.495 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF112802.D
 Acq: 1 Mar 2019 16:21

Tgt Ion:112 Resp: 598225
 Ion Ratio Lower Upper
 112 100
 64 62.8 47.6 71.4
 63 32.3 24.4 36.6



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: 50.887 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112802.D

Acq: 1 Mar 2019 16:21

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-B

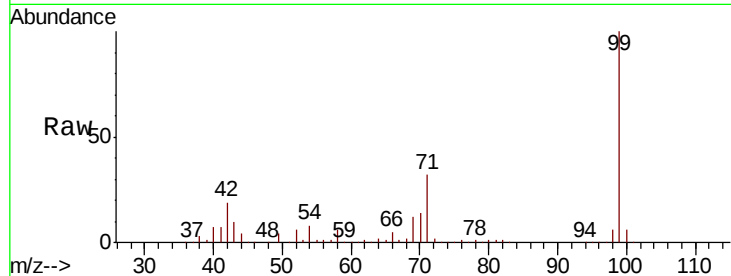
Tgt Ion: 99 Resp: 772604

Ion Ratio Lower Upper

99 100

42 19.1 16.3 24.5

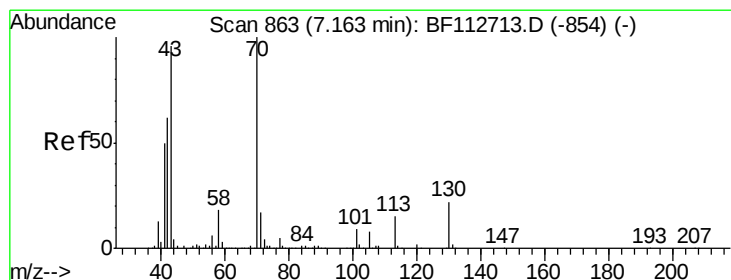
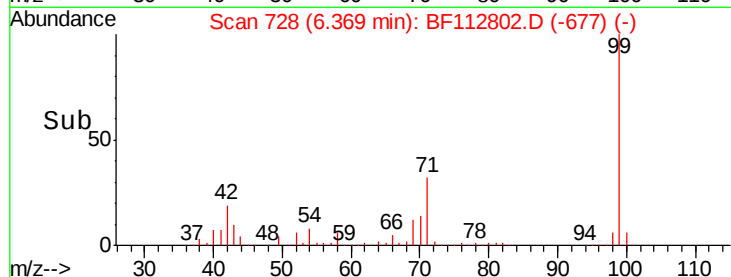
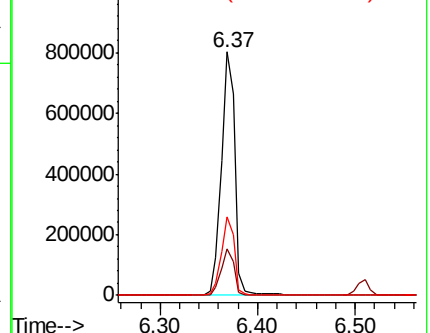
71 32.2 26.2 39.4



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: 6.084 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112802.D

Acq: 1 Mar 2019 16:21

Tgt Ion: 70 Resp: 58503

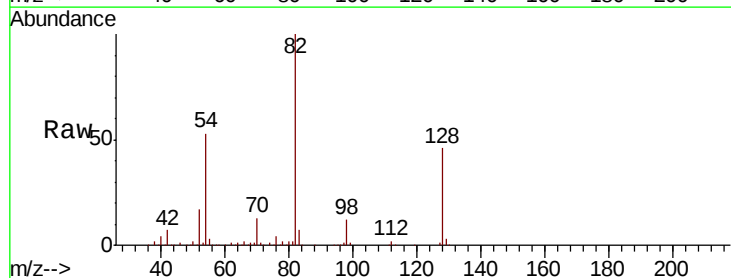
Ion Ratio Lower Upper

70 100

42 49.2 49.9 74.9#

101 0.0 7.4 11.2#

130 2.6 17.4 26.2#

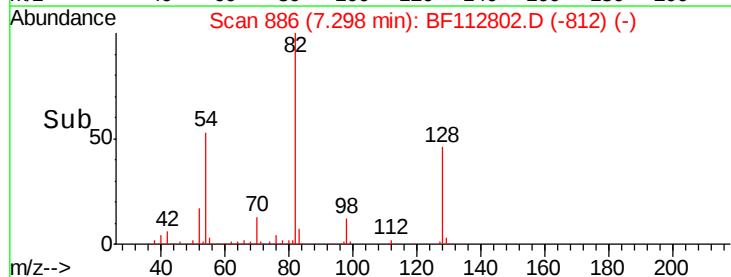
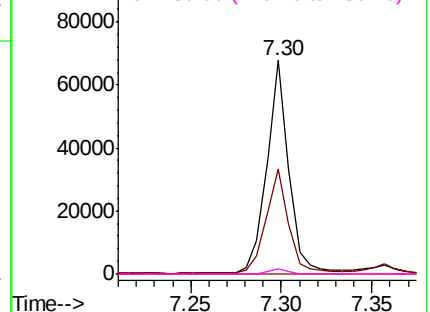


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

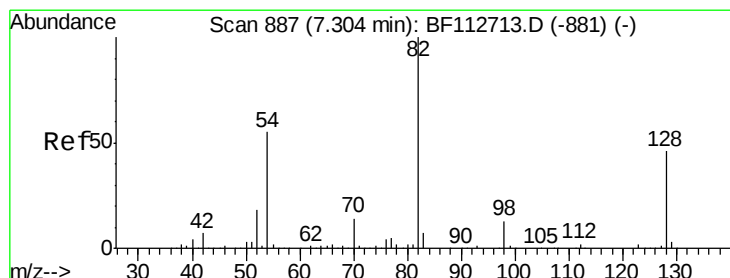
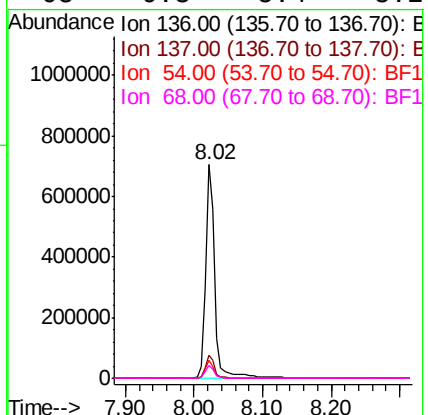
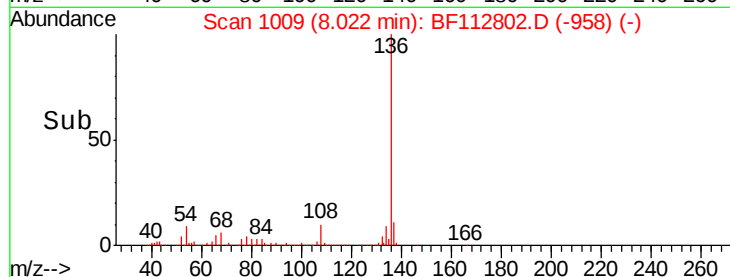
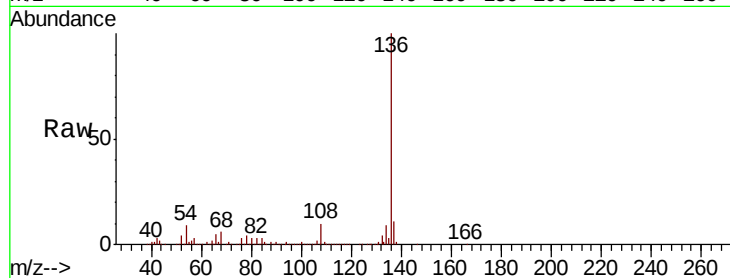




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112802.D
Acq: 1 Mar 2019 16:21

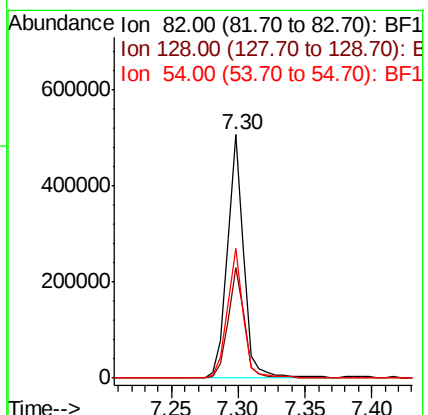
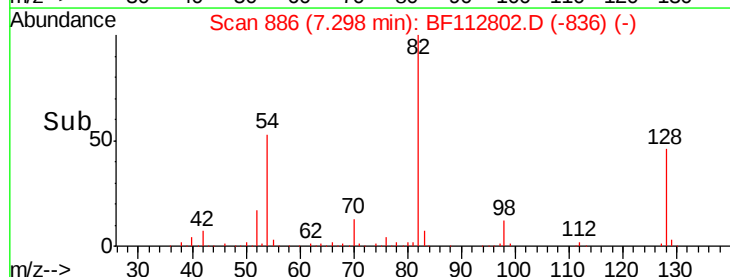
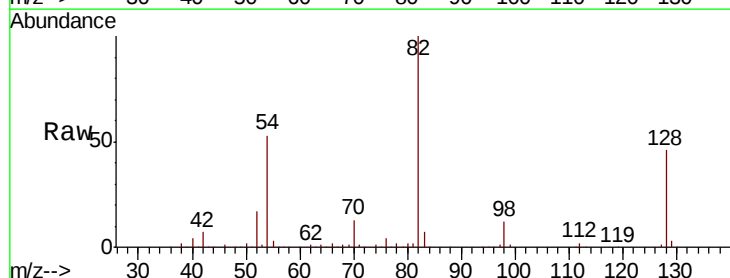
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

Tgt Ion:	136	Resp:	674350
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	7.3	10.9
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 39.389 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112802.D
Acq: 1 Mar 2019 16:21

Tgt Ion:	82	Resp:	443901
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.3	54.5
54	53.5	43.7	65.5





#25

Isophorone

Concen: 18.055 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112802.D

Acq: 1 Mar 2019 16:21

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-B

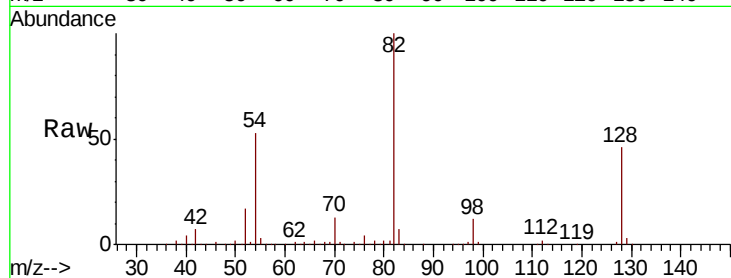
Tgt Ion: 82 Resp: 438354

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

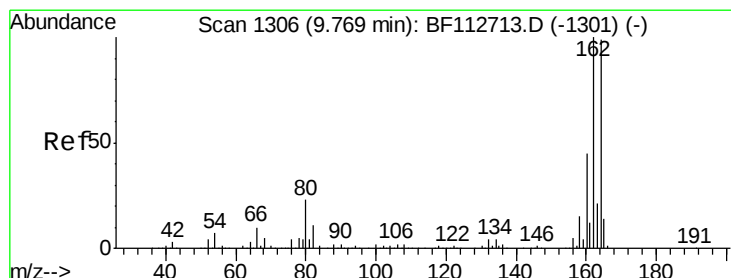
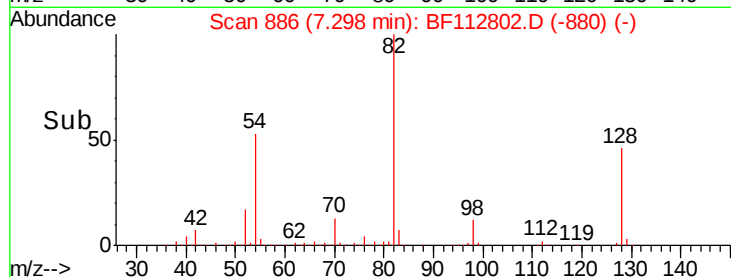
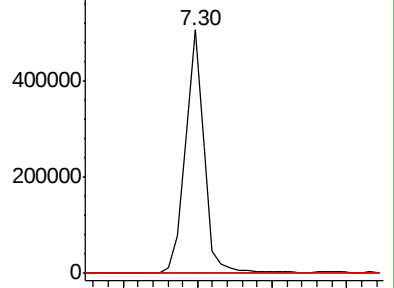
138 0.0 13.8 20.8#



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: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF112802.D

Acq: 1 Mar 2019 16:21

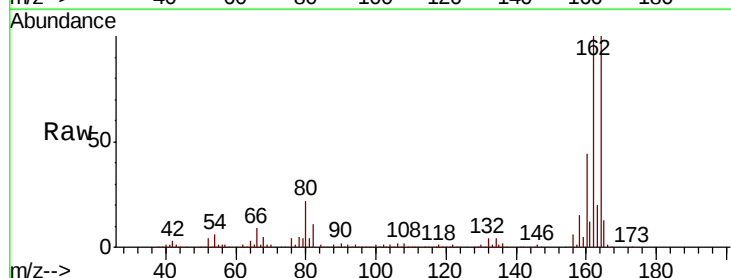
Tgt Ion: 164 Resp: 261263

Ion Ratio Lower Upper

164 100

162 100.4 80.6 120.8

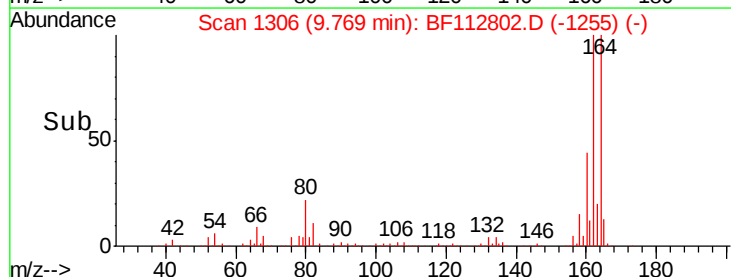
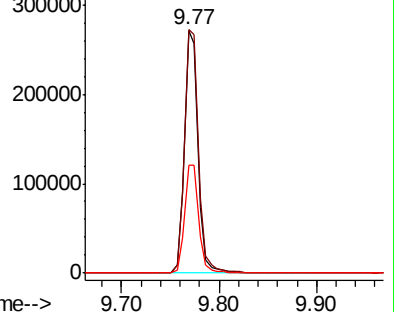
160 44.7 36.0 54.0



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

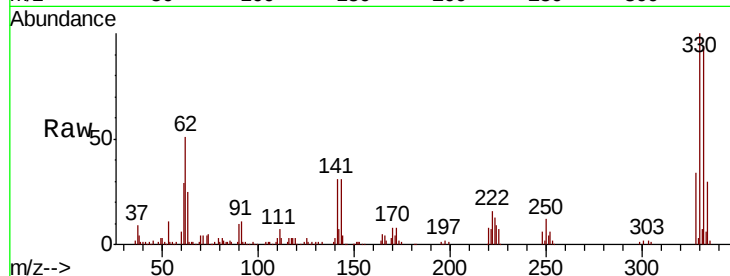




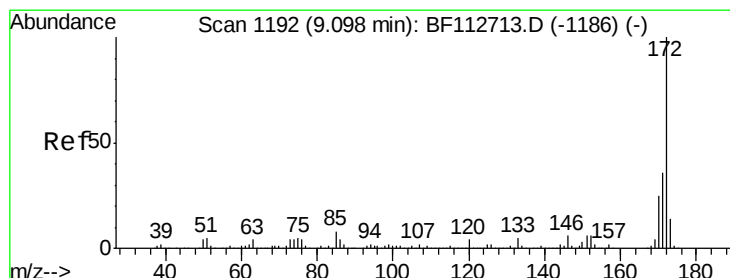
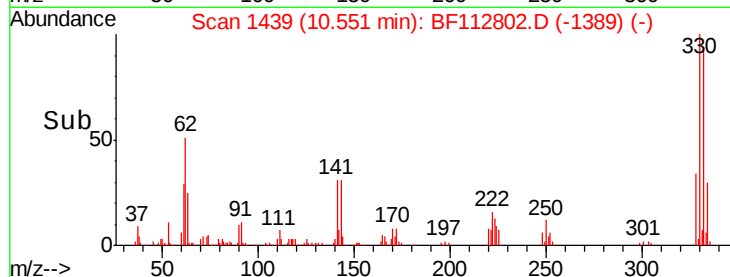
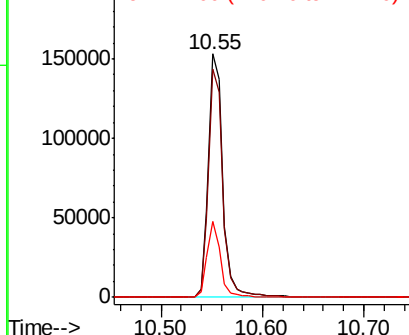
#42
 2,4,6-Tribromophenol
 Concen: 54.517 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112802.D
 Acq: 1 Mar 2019 16:21

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-031-B

Tgt Ion:330 Resp: 151210
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.2 114.4
 141 29.5 27.0 40.6

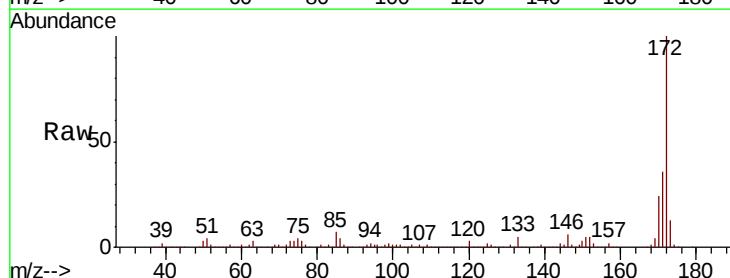


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

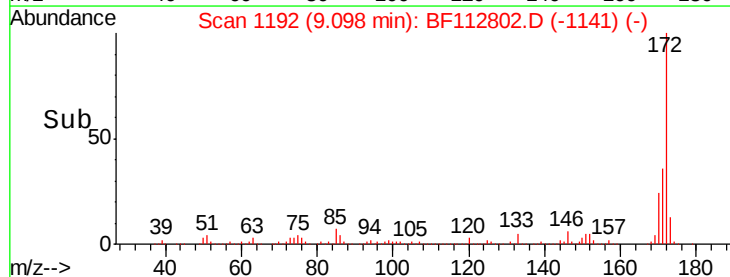
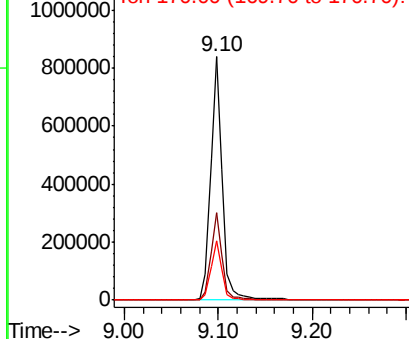


#45
 2-Fluorobiphenyl
 Concen: 40.557 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112802.D
 Acq: 1 Mar 2019 16:21

Tgt Ion:172 Resp: 736286
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.4
 170 24.3 20.0 30.0



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

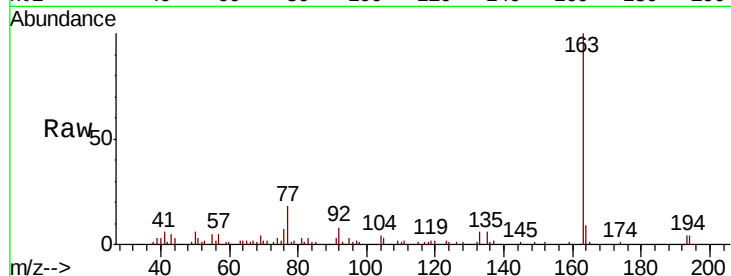




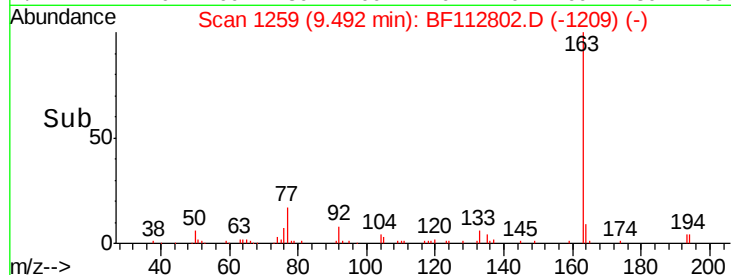
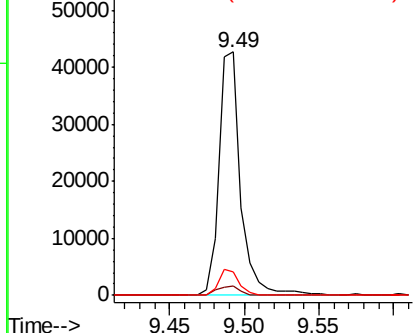
#50
Dimethylphthalate
Concen: 2.261 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112802.D
Acq: 1 Mar 2019 16:21

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.4	8.4	12.6

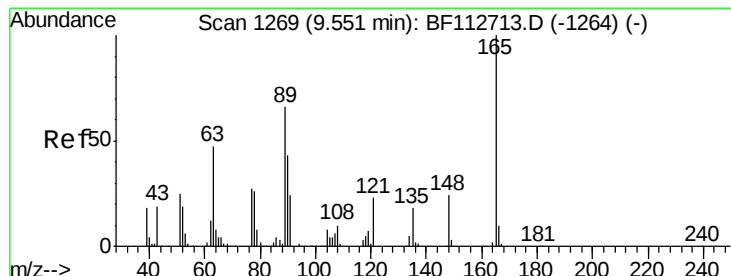


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

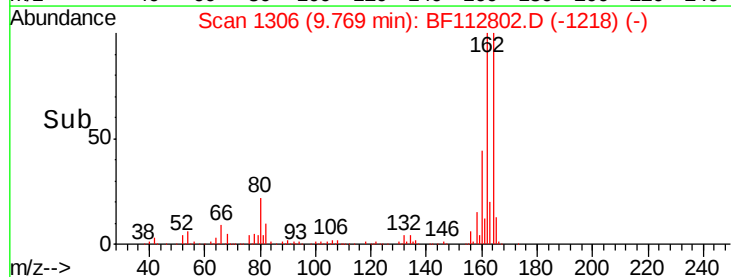
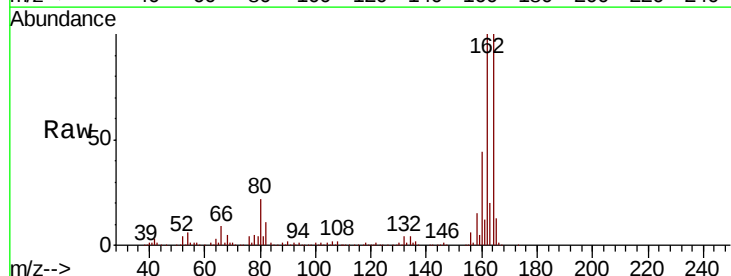
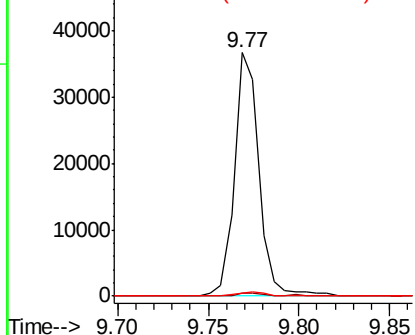


#51
2,6-Dinitrotoluene
Concen: 8.608 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112802.D
Acq: 1 Mar 2019 16:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	54.1	81.1#
89	1.3	52.8	79.2#



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

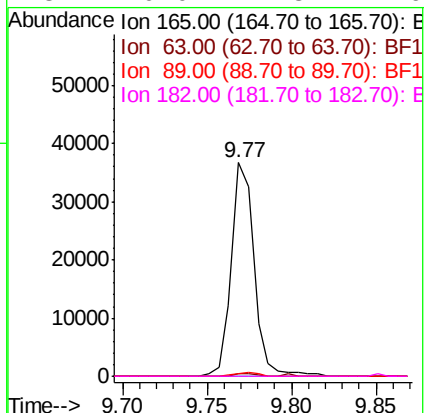
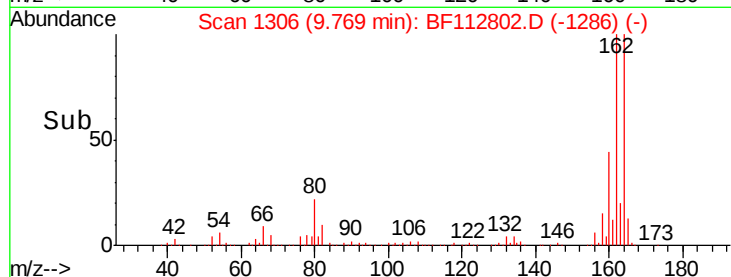
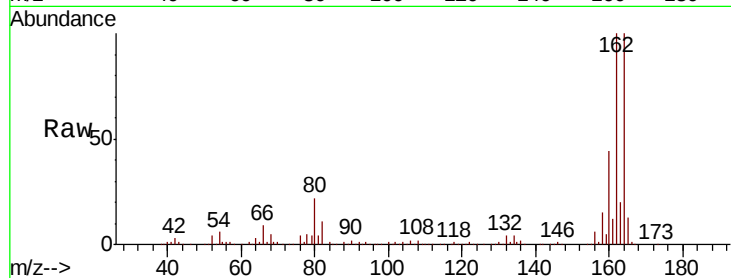




#57
2,4-Dinitrotoluene
Concen: 6.925 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112802.D
Acq: 1 Mar 2019 16:21

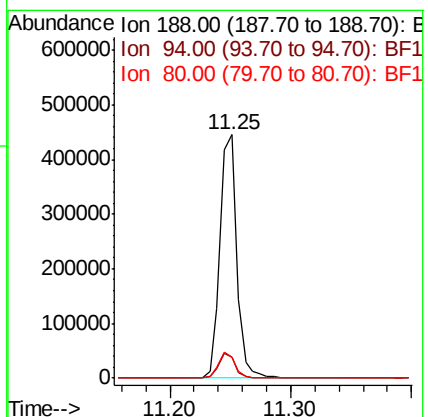
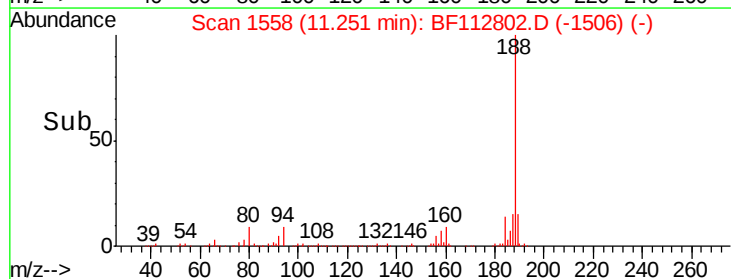
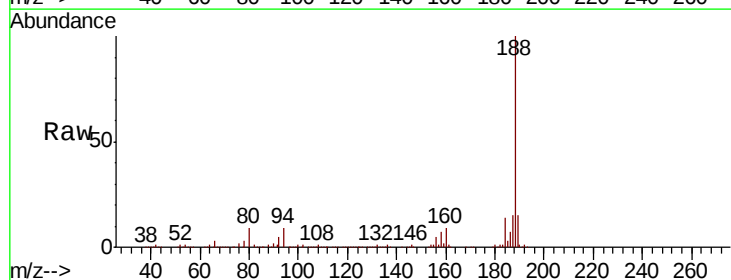
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

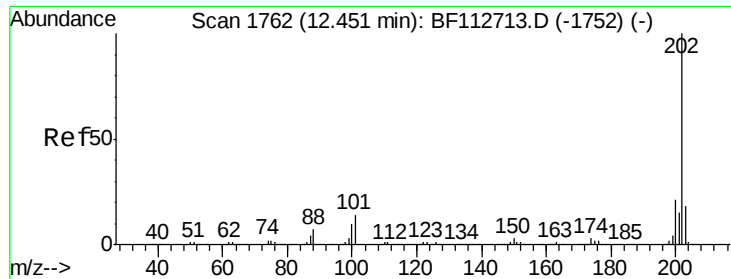
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112802.D
Acq: 1 Mar 2019 16:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.4#
80	8.7	9.2	13.8#

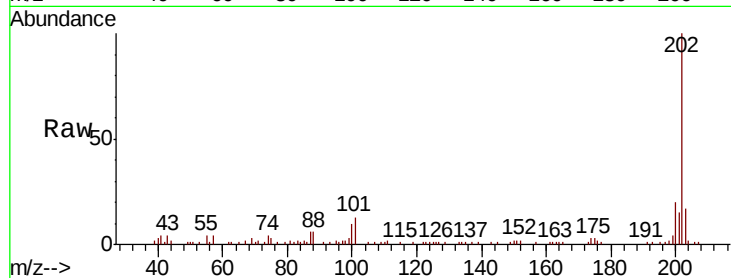




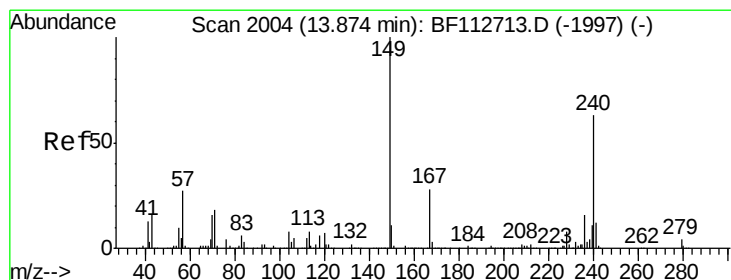
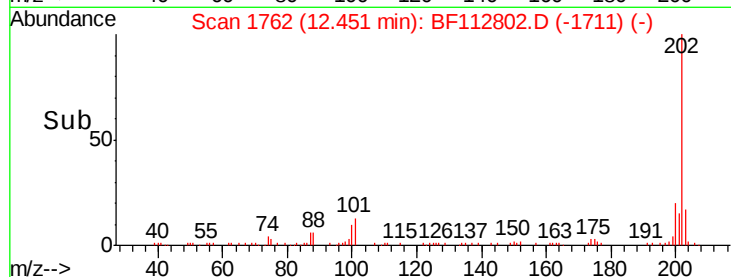
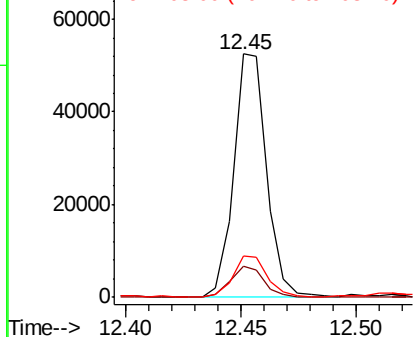
#75
 Fluoranthene
 Concen: 2.285 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BF112802.D
 Acq: 1 Mar 2019 16:21

Instrument :
 BNA_F
 ClientSampled :
 FK-GF-02-031-B

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.8
203	17.0	0.0	38.4

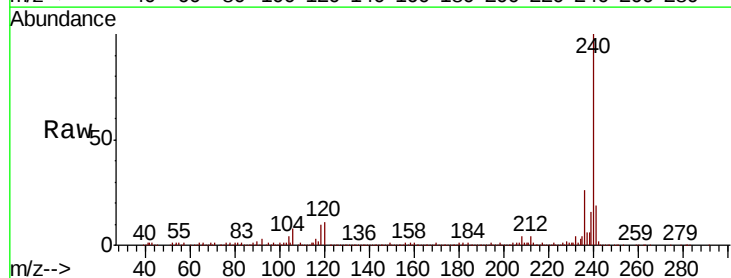


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

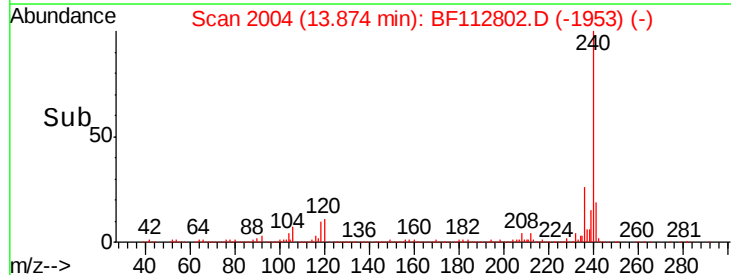
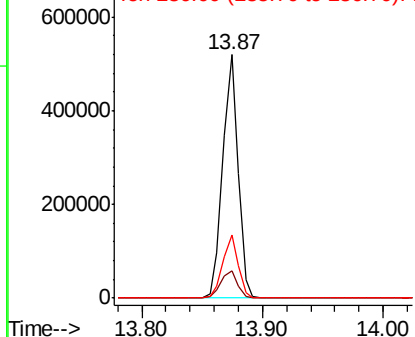


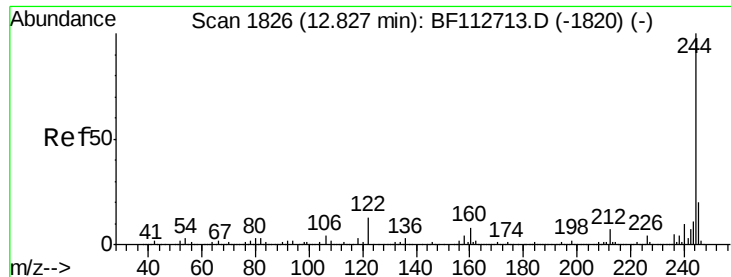
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.00 min
 Lab File: BF112802.D
 Acq: 1 Mar 2019 16:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	26.1	20.7	31.1



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





#79

Terphenyl-d14

Concen: 26.248 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF112802.D

Acq: 1 Mar 2019 16:21

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-B

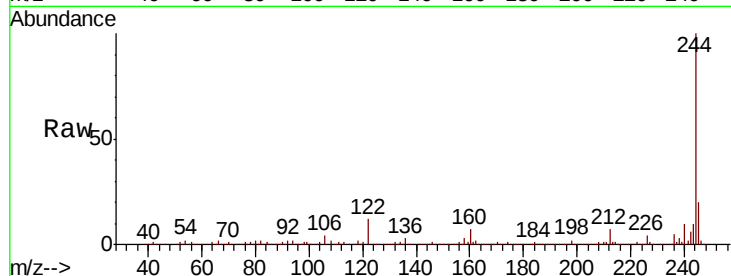
Tgt Ion:244 Resp: 618251

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

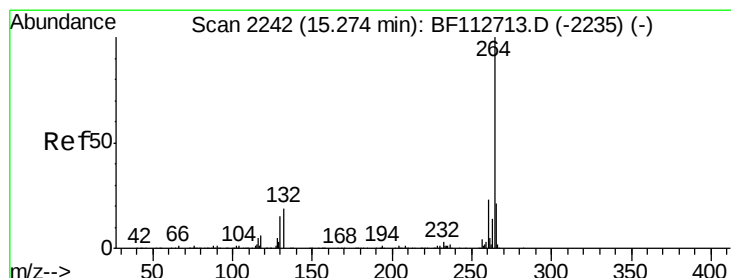
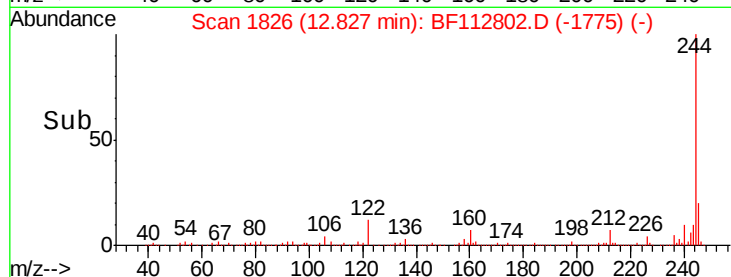
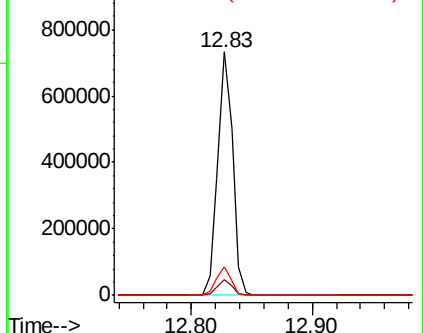
122 11.6 10.5 15.7



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: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112802.D

Acq: 1 Mar 2019 16:21

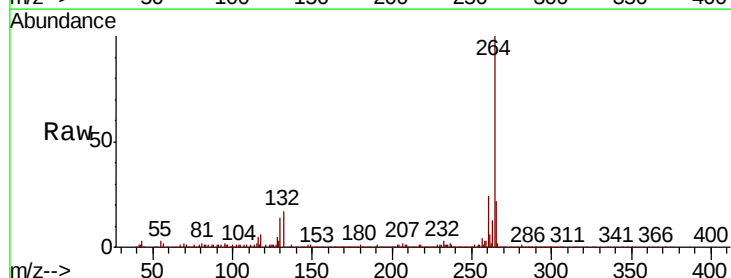
Tgt Ion:264 Resp: 417195

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

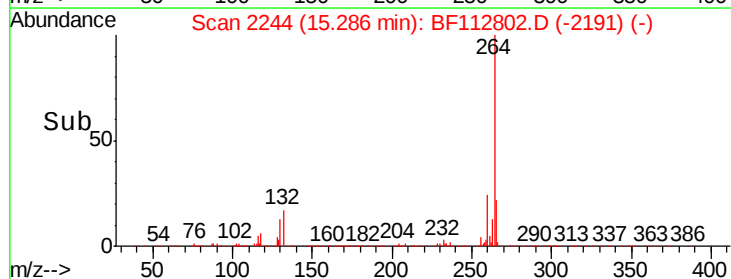
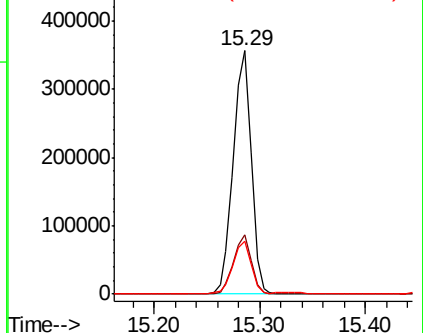
265 21.8 17.2 25.8

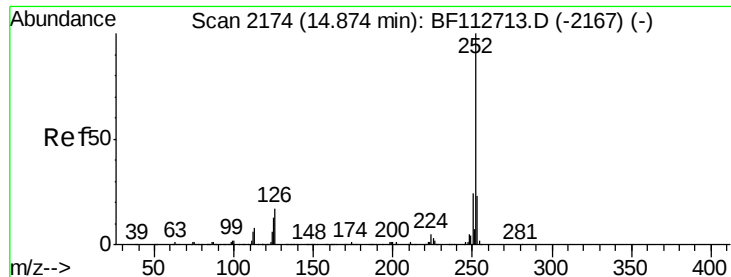


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

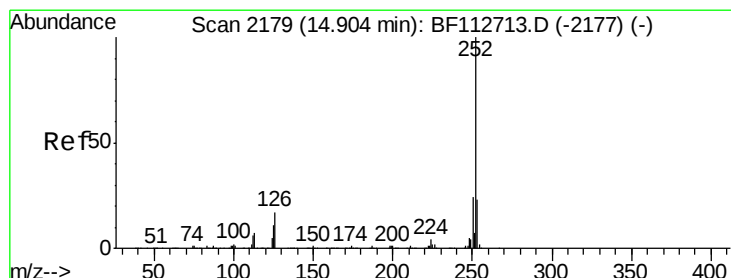
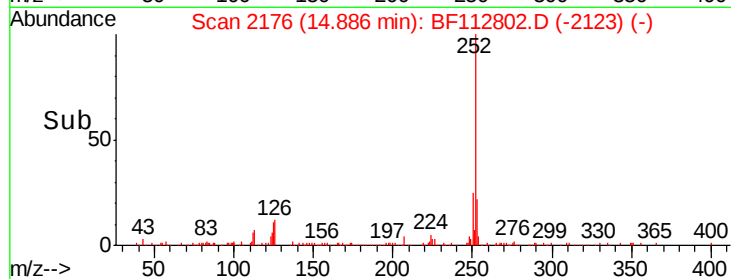
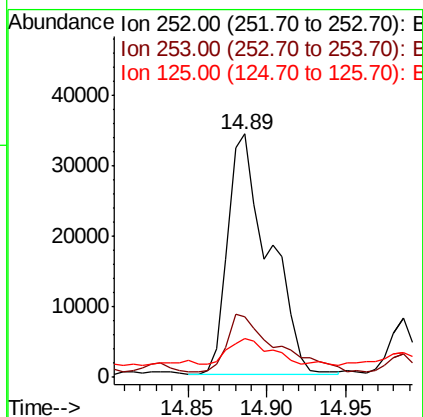
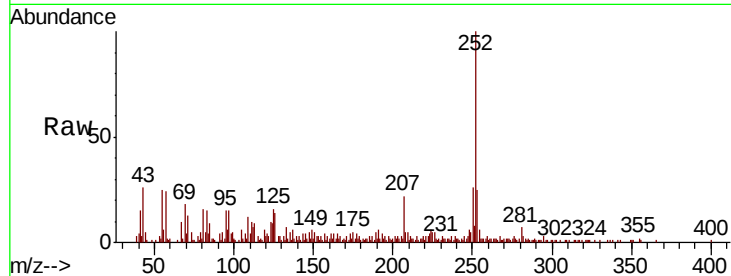




#88
Benzo(b)fluoranthene
Concen: 2.304 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112802.D
Acq: 1 Mar 2019 16:21

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

Tgt Ion:252 Resp: 62179
Ion Ratio Lower Upper
252 100
253 25.0 18.0 27.0
125 16.1 10.2 15.2#



#89
Benzo(k)fluoranthene
Concen: 2.544 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112802.D
Acq: 1 Mar 2019 16:21

Tgt Ion:252 Resp: 62179
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 16.1 9.8 14.6#

