

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112801.D
 Acq On : 1 Mar 2019 15:54
 Operator : JU/SJ
 Sample : K1669-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 01 21:57:38 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

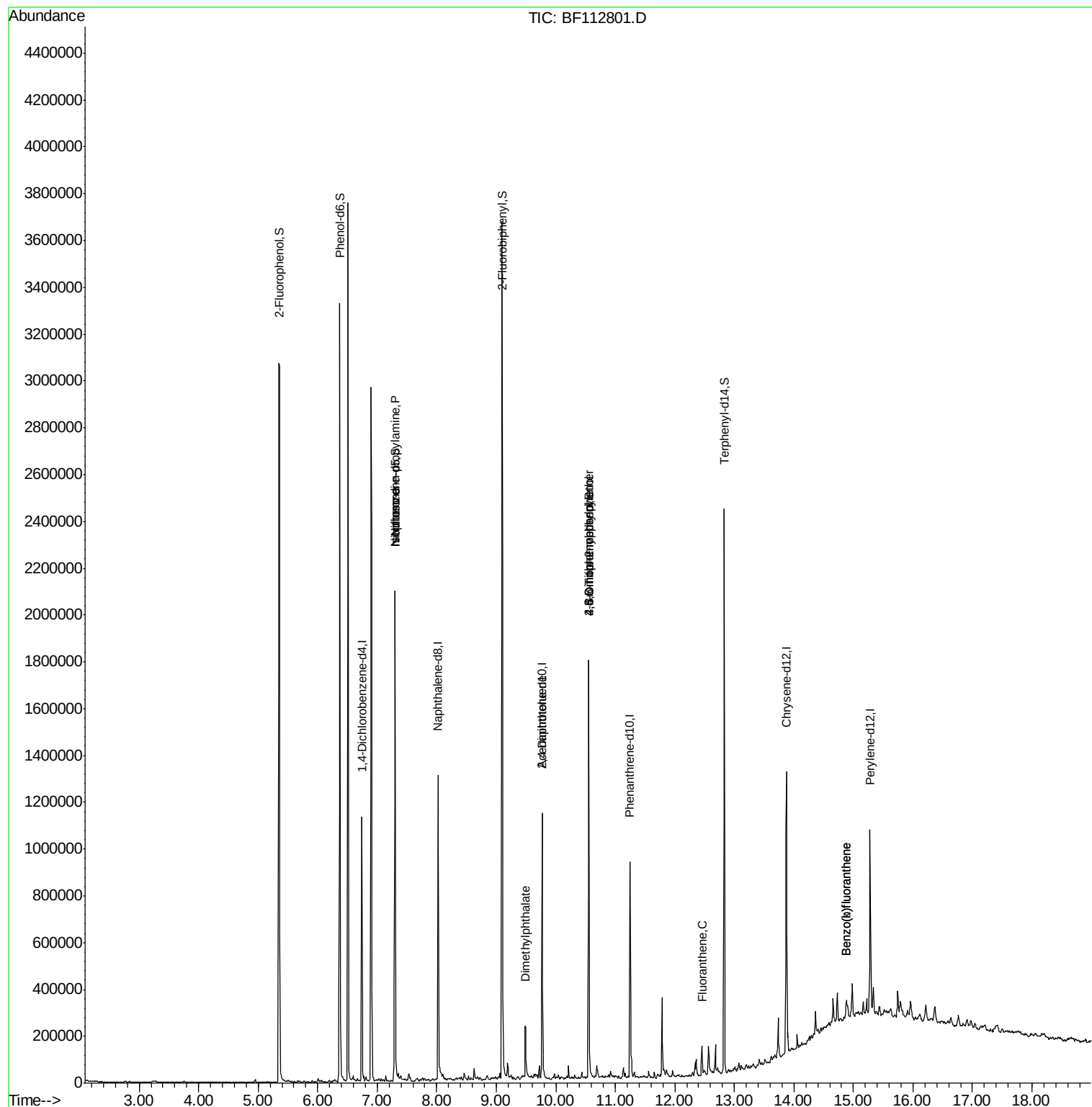
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	167330	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	617168	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	246933	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	376884	20.00	ng	0.00
76) Chrysene-d12	13.87	240	376547	20.00	ng	0.00
87) Perylene-d12	15.28	264	365304	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	983895	91.47	ng	0.01
7) Phenol-d6	6.37	99	1258674	93.15	ng	0.00
23) Nitrobenzene-d5	7.30	82	743480	72.08	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	251212	95.83	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1156751	75.31	ng	0.00
79) Terphenyl-d14	12.83	244	851420	43.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	98830	11.548	ng	# 77
25) Isophorone	7.30	82	735390	33.096	ng	# 66
50) Dimethylphthalate	9.49	163	98543	5.412	ng	# 98
57) 2,4-Dinitrotoluene	9.77	165	31608	6.707	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	232	4.748	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	13623	3.432	ng	# 1
75) Fluoranthene	12.46	202	52071	2.592	ng	# 95
88) Benzo(b)fluoranthene	14.88	252	56398	2.387	ng	# 91
89) Benzo(k)fluoranthene	14.88	252	56398	2.635	ng	# 91

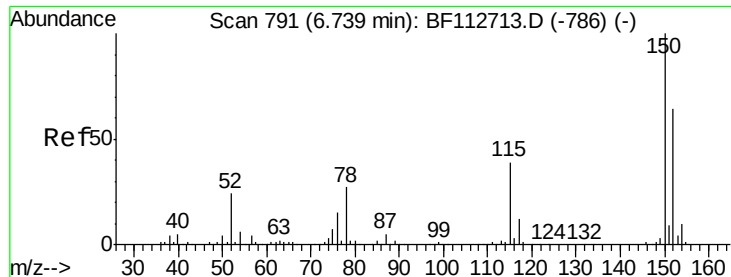
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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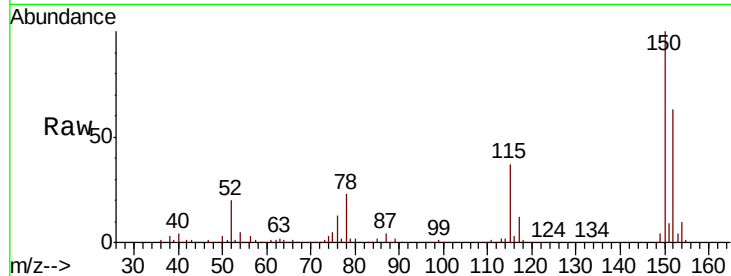


#1

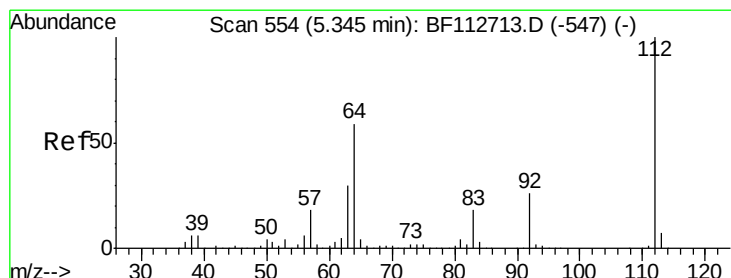
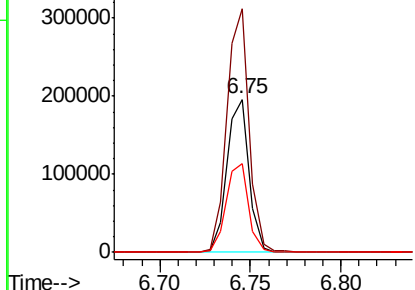
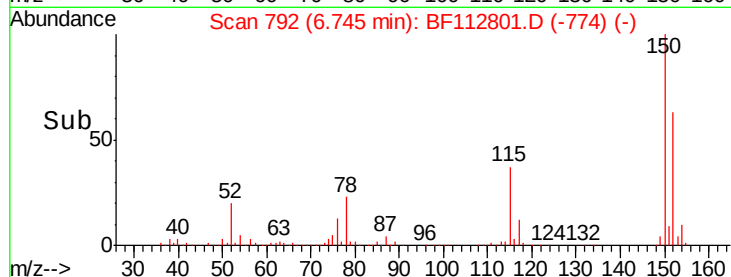
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

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

Tgt Ion:152 Resp: 167330
Ion Ratio Lower Upper
152 100
150 159.3 124.2 186.2
115 58.4 48.2 72.4



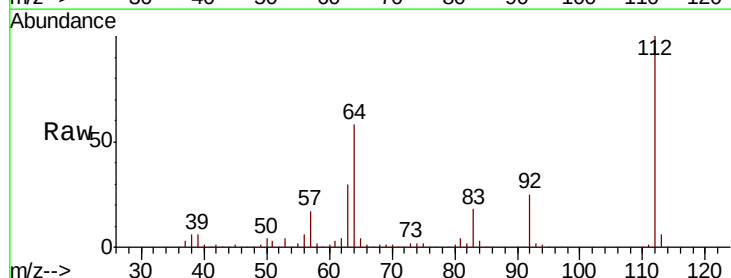
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



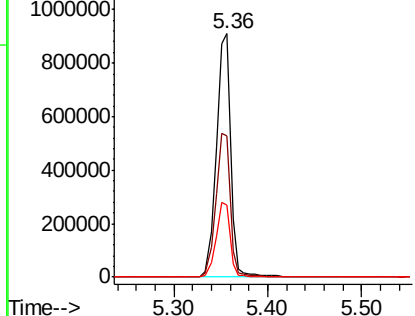
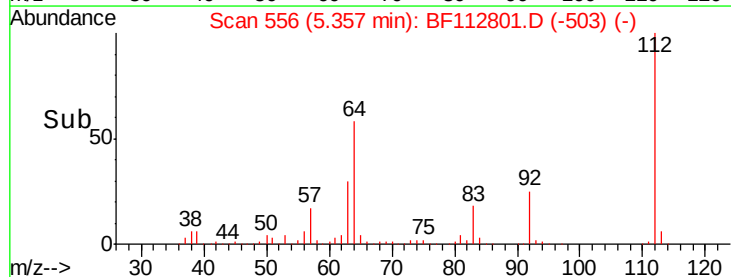
#5

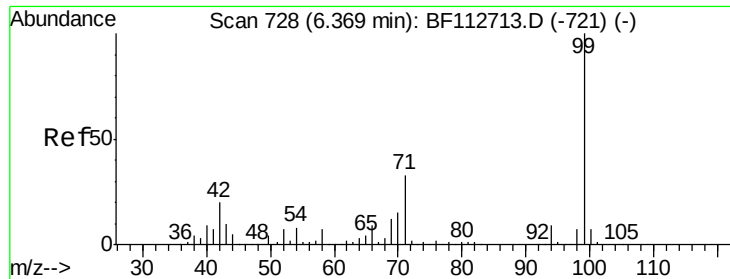
2-Fluorophenol
Concen: 91.465 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

Tgt Ion:112 Resp: 983895
Ion Ratio Lower Upper
112 100
64 58.1 47.6 71.4
63 29.6 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: 93.148 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112801.D

Acq: 1 Mar 2019 15:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-A

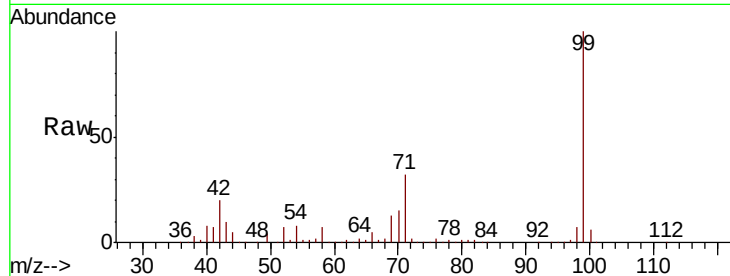
Tgt Ion: 99 Resp: 1258674

Ion Ratio Lower Upper

99 100

42 19.6 16.3 24.5

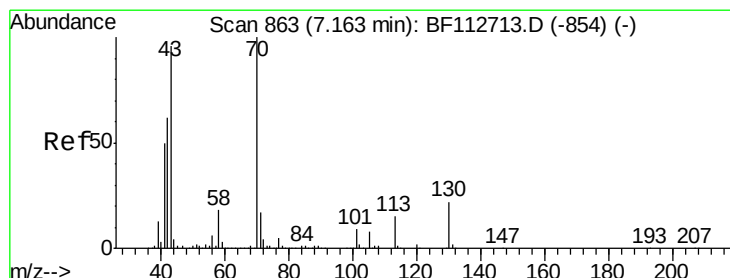
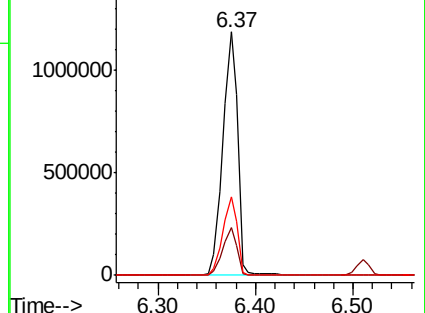
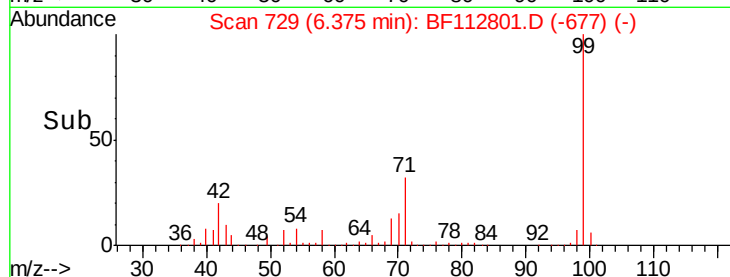
71 32.5 26.2 39.4



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: 11.548 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112801.D

Acq: 1 Mar 2019 15:54

Tgt Ion: 70 Resp: 98830

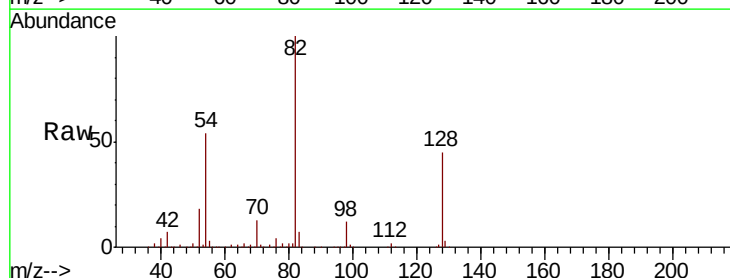
Ion Ratio Lower Upper

70 100

42 49.3 49.9 74.9#

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

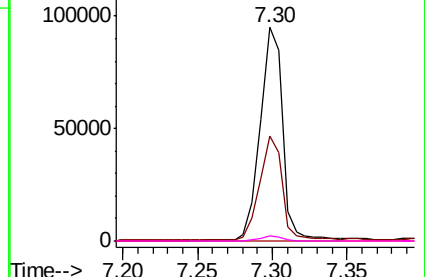
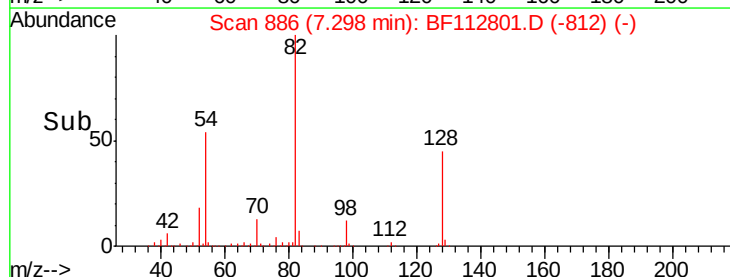


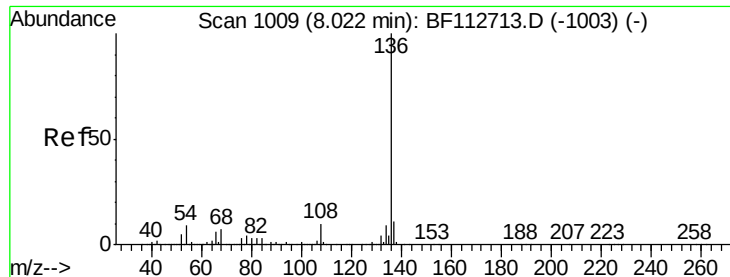
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

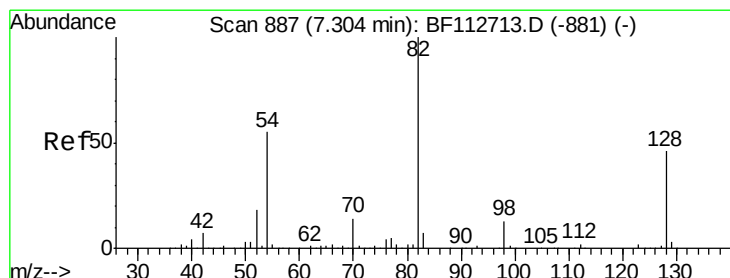
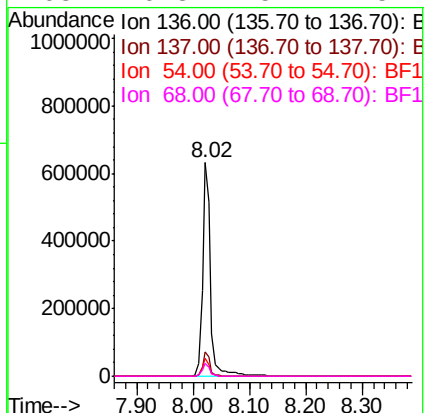
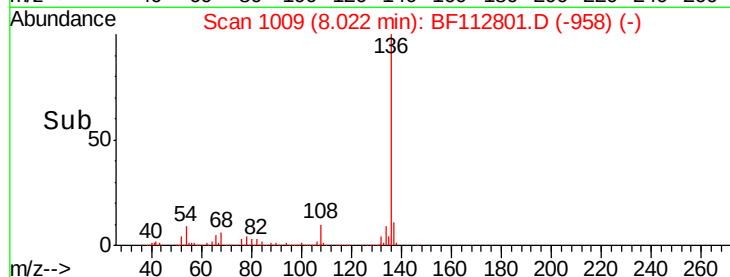
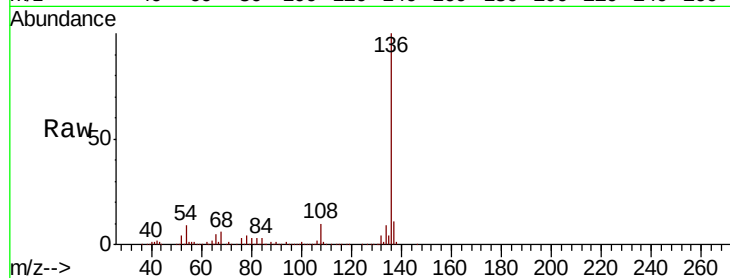




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

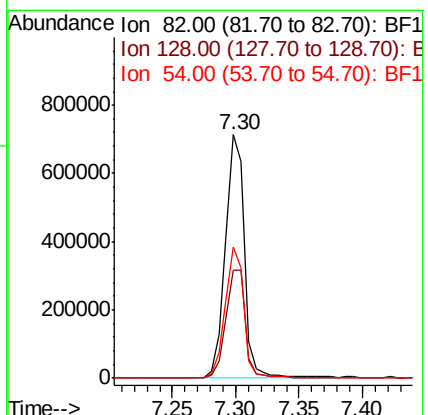
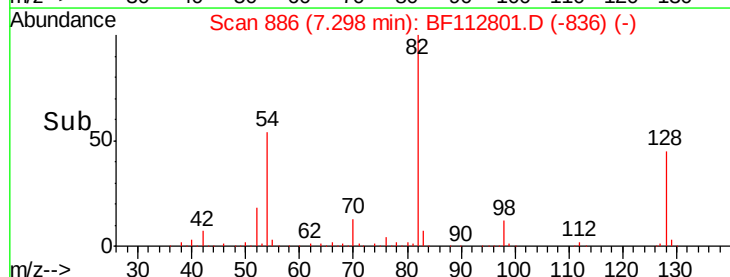
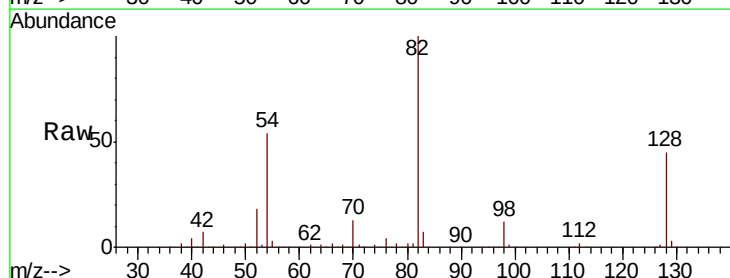
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-A

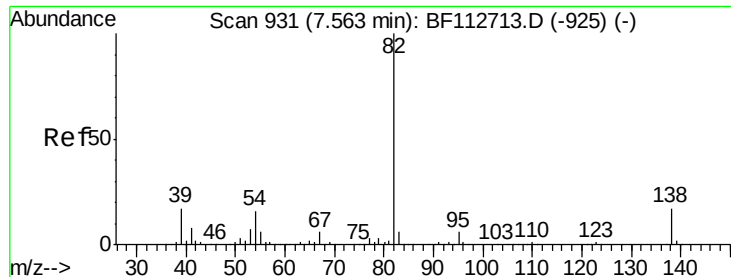
Tgt Ion:	136	Resp:	617168
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.5	7.3	10.9
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 72.085 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

Tgt Ion:	82	Resp:	743480
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.3	54.5
54	53.8	43.7	65.5

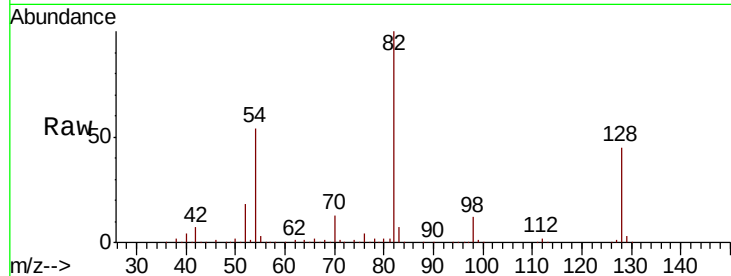




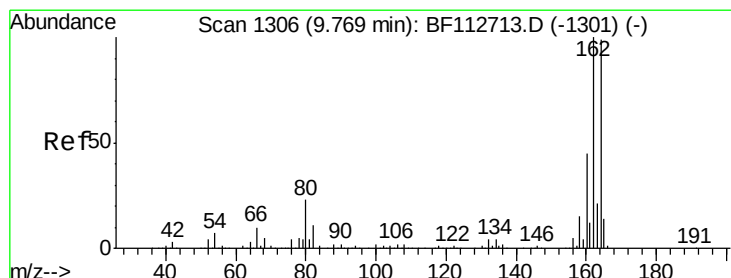
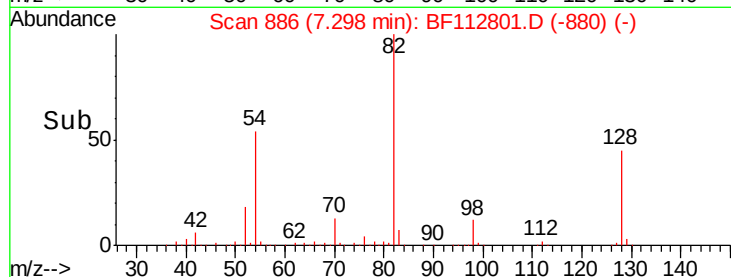
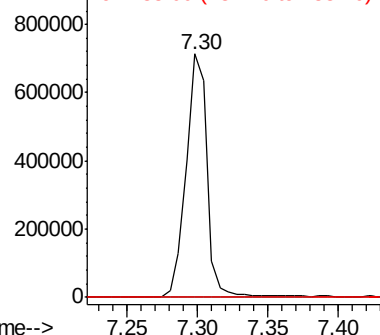
#25
Isophorone
Concen: 33.096 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

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

Tgt Ion: 82 Resp: 735390
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 13.8 20.8#

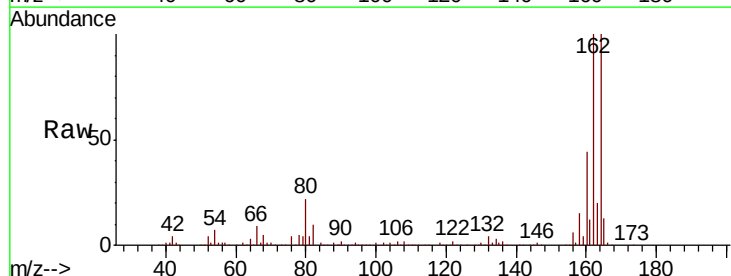


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

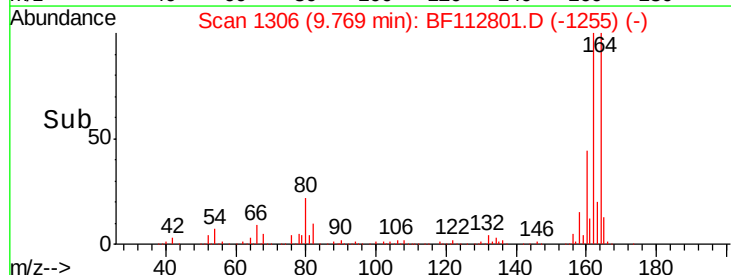
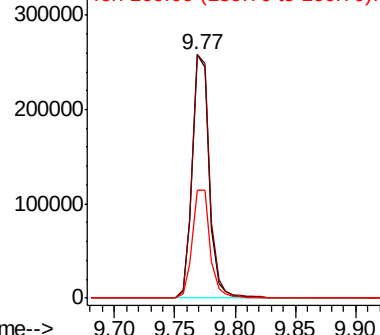


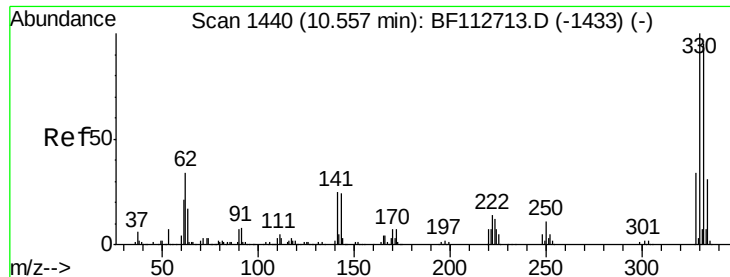
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

Tgt Ion: 164 Resp: 246933
Ion Ratio Lower Upper
164 100
162 100.1 80.6 120.8
160 44.4 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

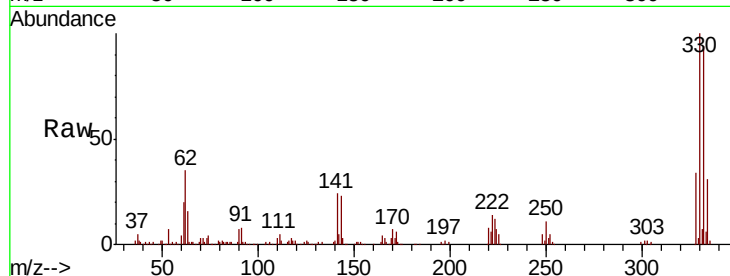




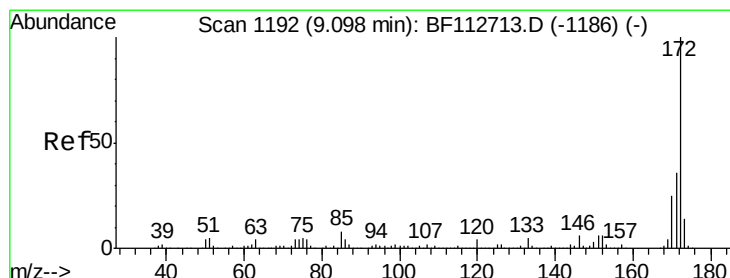
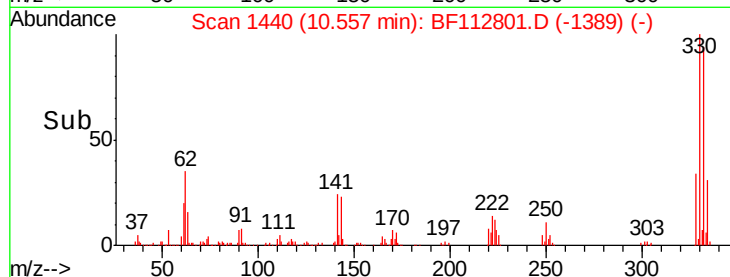
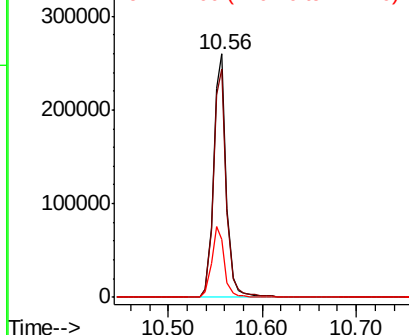
#42
 2,4,6-Tribromophenol
 Concen: 95.827 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112801.D
 Acq: 1 Mar 2019 15:54

Instrument :
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 FK-GF-02-031-A

Tgt Ion:330 Resp: 251212
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.4
 141 29.4 27.0 40.6

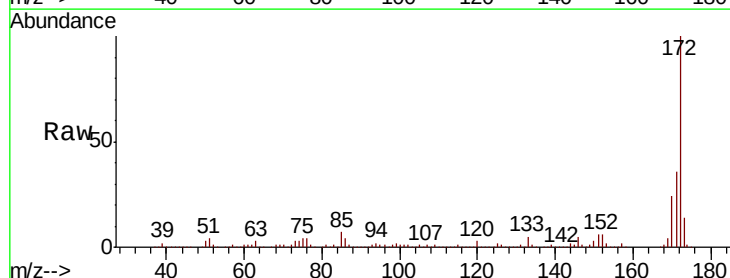


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

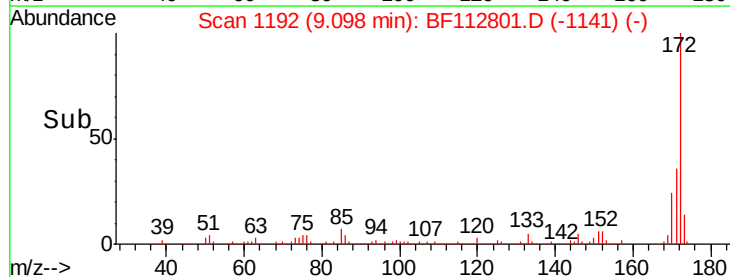
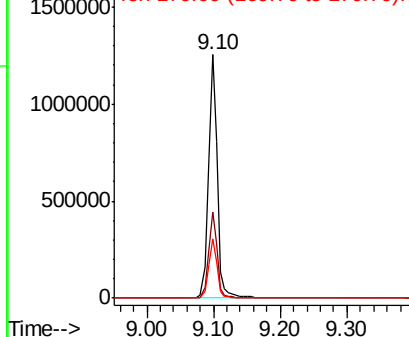


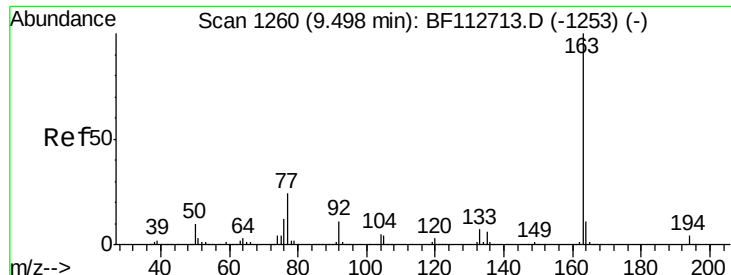
#45
 2-Fluorobiphenyl
 Concen: 75.314 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112801.D
 Acq: 1 Mar 2019 15:54

Tgt Ion:172 Resp: 1156751
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.0 43.4
 170 24.1 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

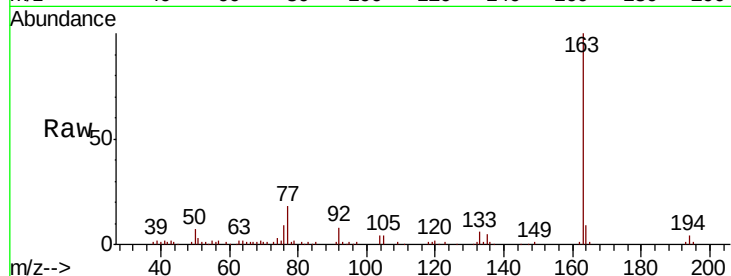




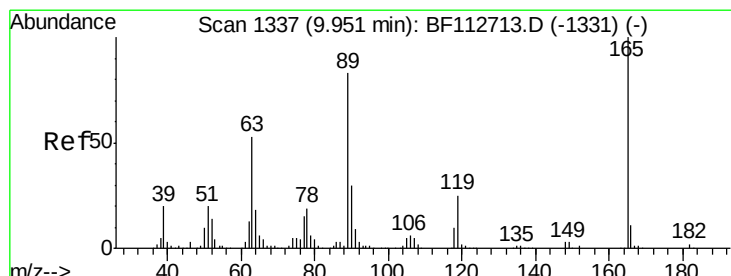
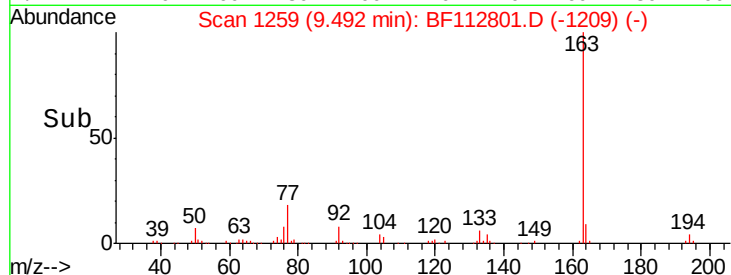
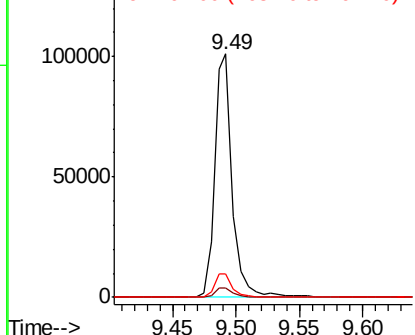
#50
Dimethylphthalate
Concen: 5.412 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

Instrument :
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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.5	8.4	12.6



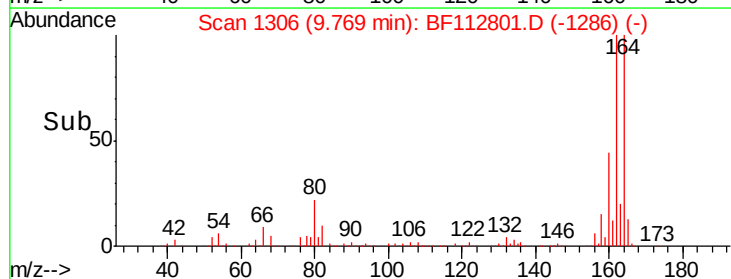
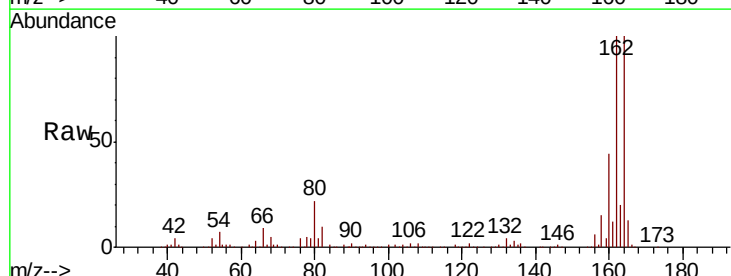
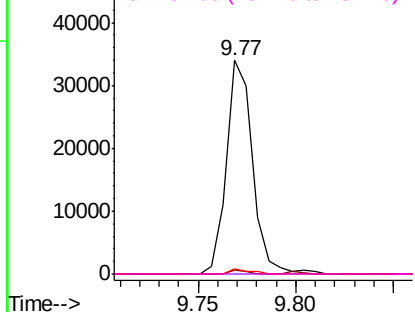
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

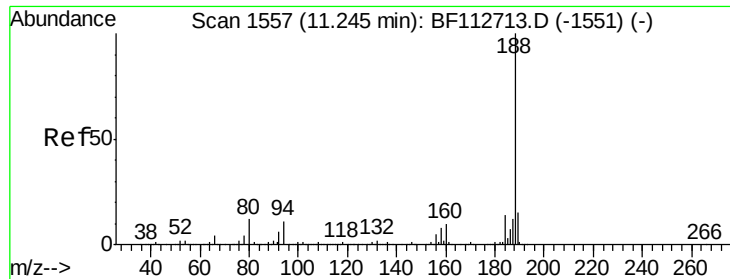


#57
2,4-Dinitrotoluene
Concen: 6.707 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.2	63.2#
89	2.3	66.2	99.4#
182	0.0	1.8	2.6#

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: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF112801.D

Acq: 1 Mar 2019 15:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-A

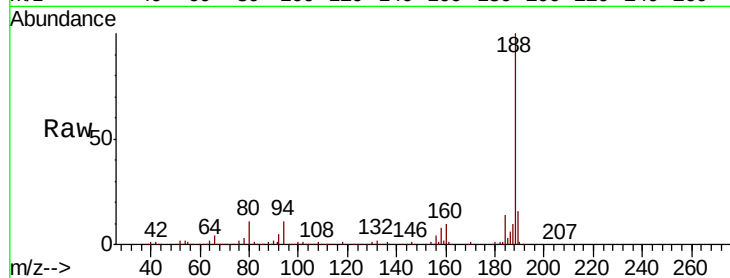
Tgt Ion:188 Resp: 376884

Ion Ratio Lower Upper

188 100

94 10.6 9.0 13.4

80 11.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.25

400000

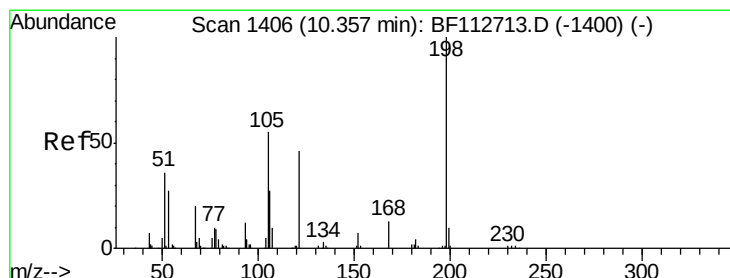
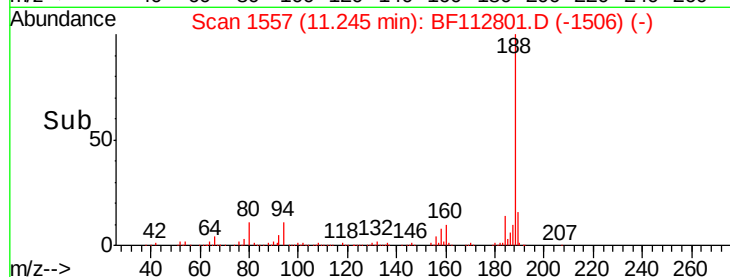
300000

200000

100000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.748 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.19 min

Lab File: BF112801.D

Acq: 1 Mar 2019 15:54

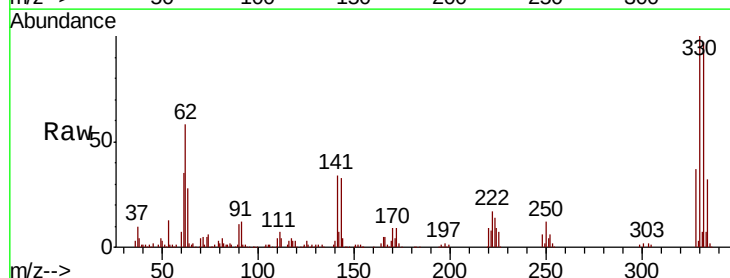
Tgt Ion:198 Resp: 232

Ion Ratio Lower Upper

198 100

51 172.0 43.8 83.8#

105 220.2 36.5 76.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

2000

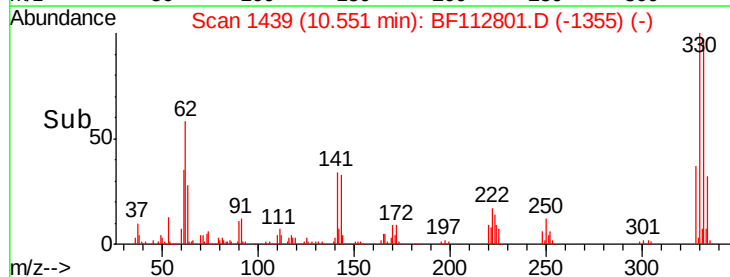
1500

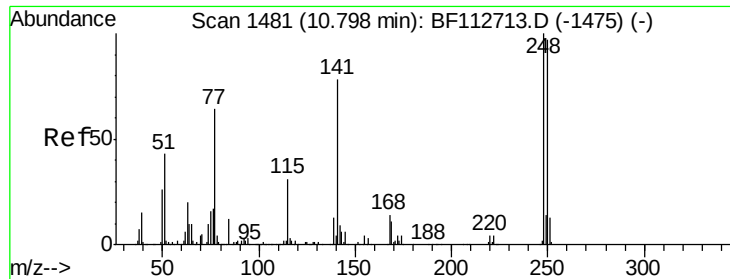
1000

500

0

Time-->

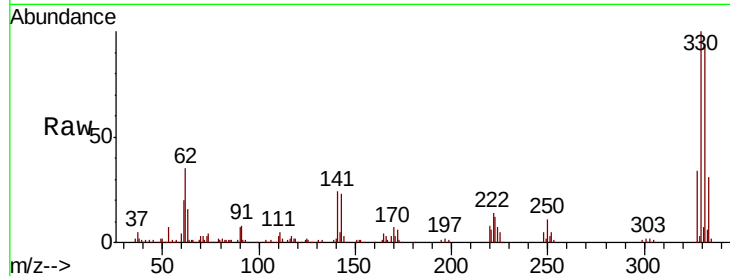




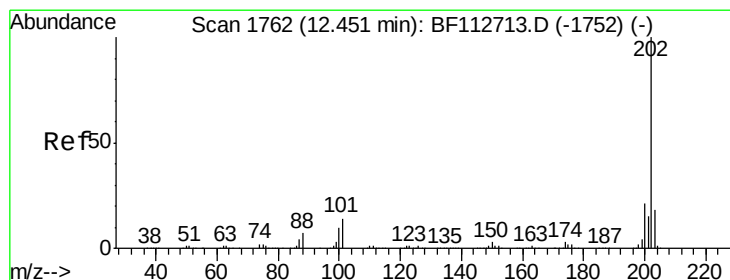
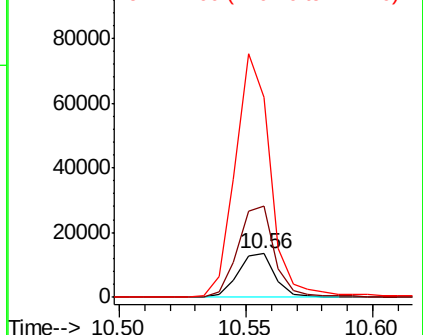
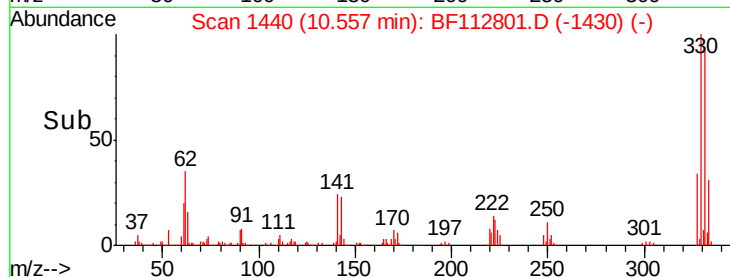
#67
 4-Bromophenyl-phenylether
 Concen: 3.432 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112801.D
 Acq: 1 Mar 2019 15:54

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

Tgt Ion:248 Resp: 13623
 Ion Ratio Lower Upper
 248 100
 250 209.2 77.5 116.3#
 141 456.8 62.4 93.6#

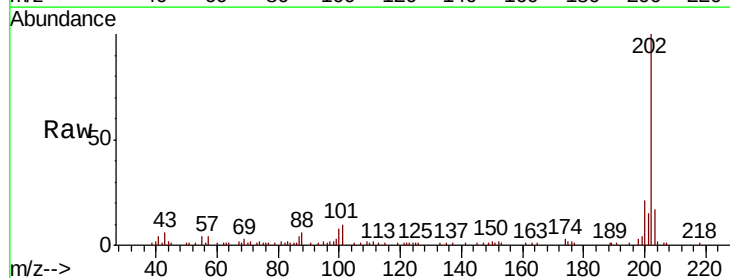


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

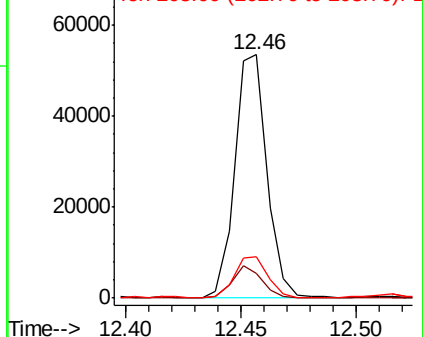
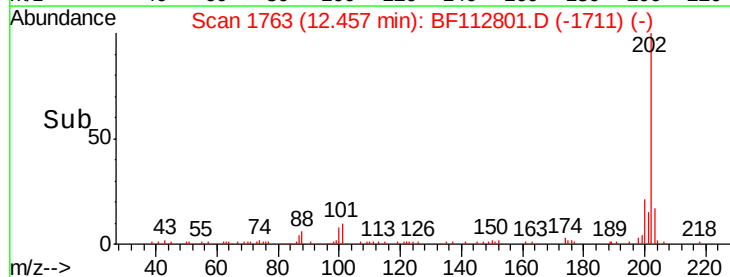


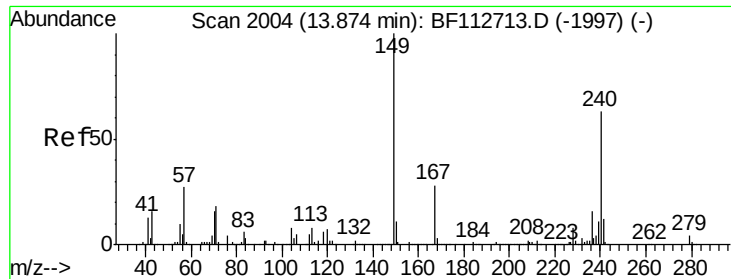
#75
 Fluoranthene
 Concen: 2.592 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF112801.D
 Acq: 1 Mar 2019 15:54

Tgt Ion:202 Resp: 52071
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 33.8
 203 17.2 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

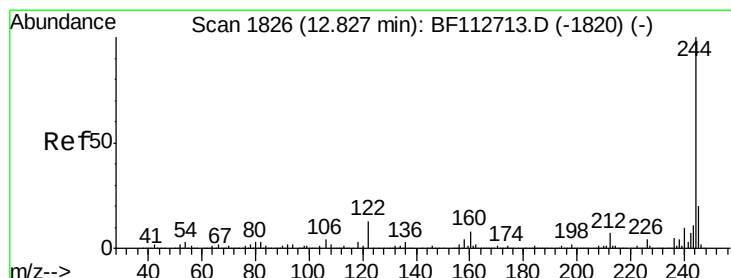
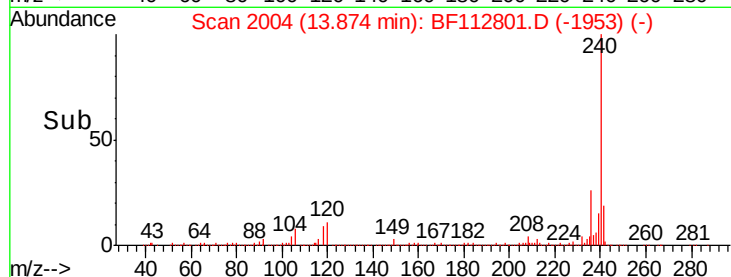
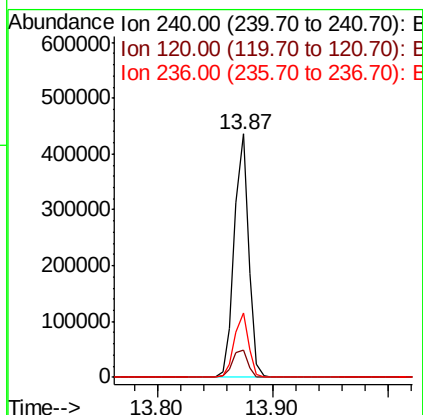
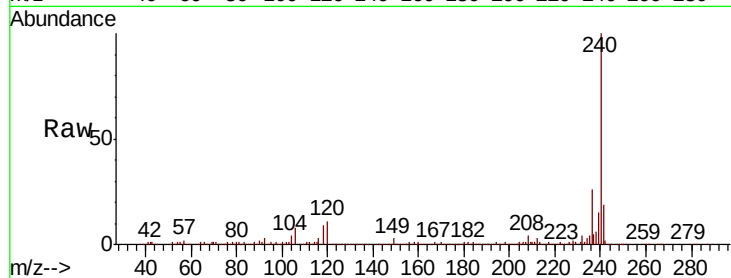




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

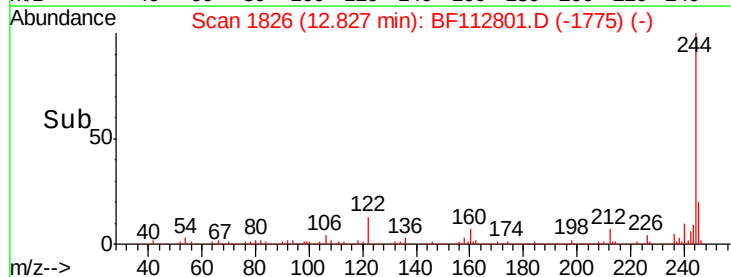
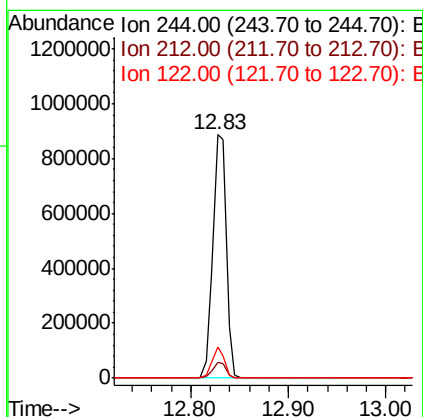
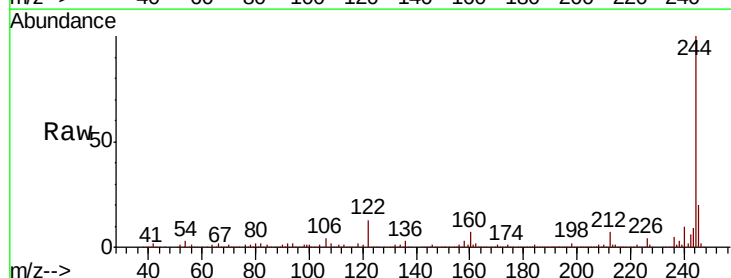
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-A

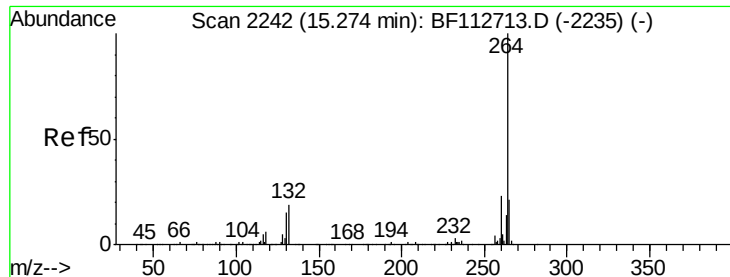
Tgt Ion:240 Resp: 376547
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 26.3 20.7 31.1



#79
Terphenyl-d14
Concen: 43.832 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

Tgt Ion:244 Resp: 851420
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 12.9 10.5 15.7

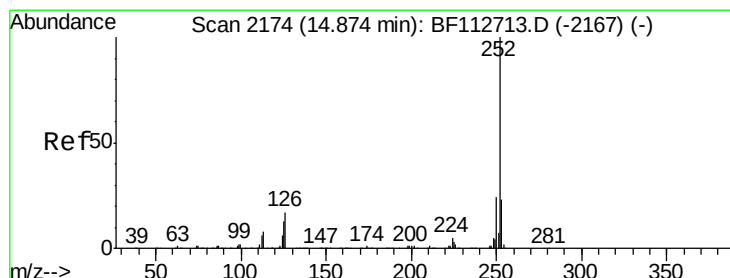
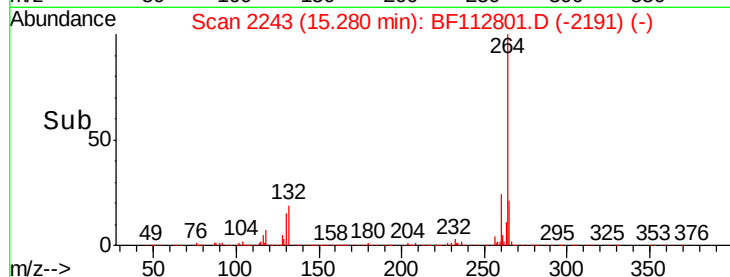
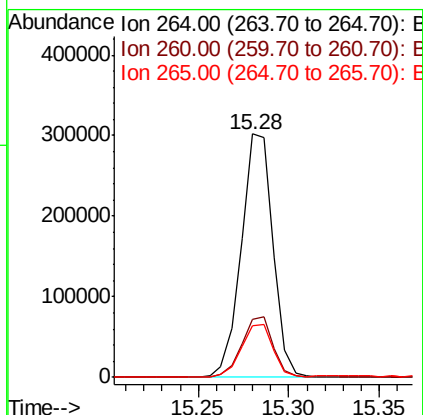
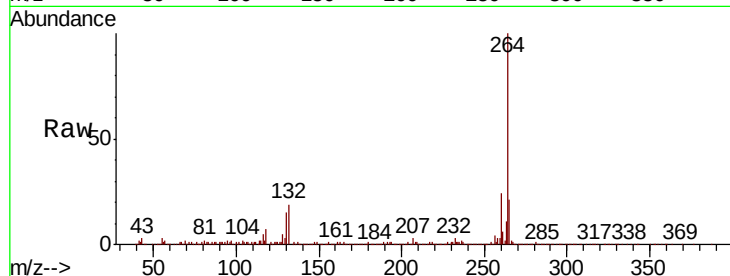




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

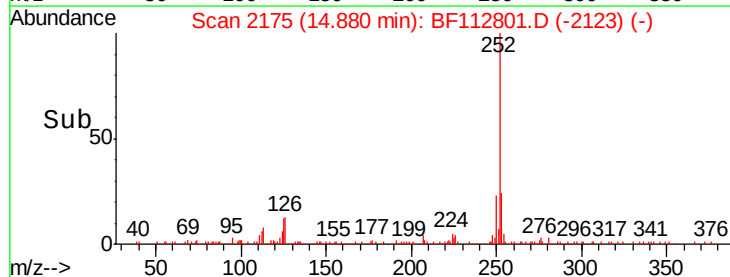
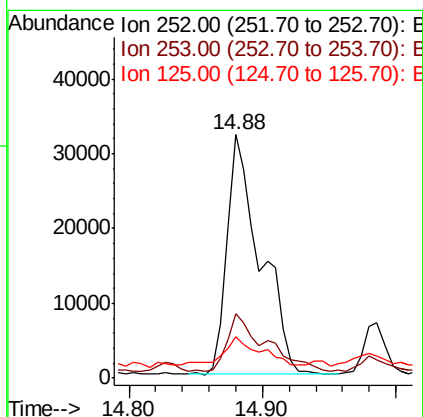
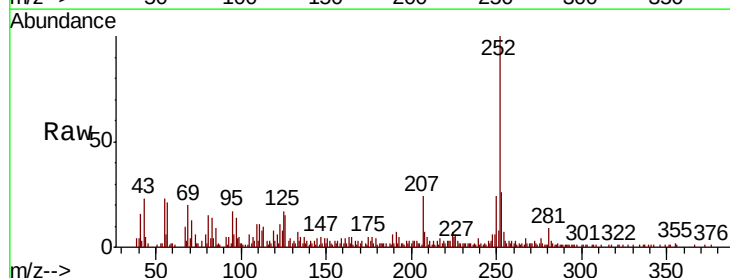
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-A

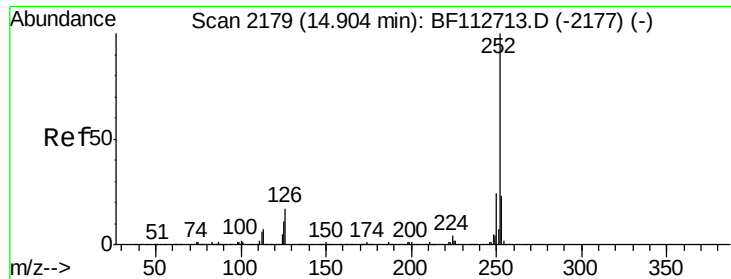
Tgt Ion:264 Resp: 365304
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.3 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 2.387 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112801.D
Acq: 1 Mar 2019 15:54

Tgt Ion:252 Resp: 56398
Ion Ratio Lower Upper
252 100
253 26.3 18.0 27.0
125 17.0 10.2 15.2#





#89

Benzo(k)fluoranthene

Concen: 2.635 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.02 min

Lab File: BF112801.D

Acq: 1 Mar 2019 15:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-A

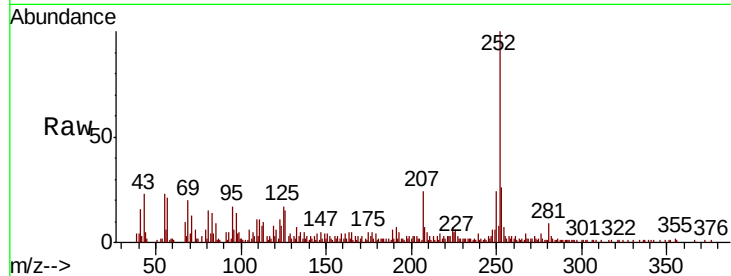
Tgt Ion:252 Resp: 56398

Ion Ratio Lower Upper

252 100

253 26.3 18.2 27.2

125 17.0 9.8 14.6#



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

