

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104115.D
 Acq On : 31 Mar 2018 1:18
 Operator : JU/SJ
 Sample : J2142-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 03:50:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	111142	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	464497	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	203335	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	325738	20.00	ng	0.00
75) Chrysene-d12	14.14	240	241410	20.00	ng	0.00
86) Perylene-d12	15.68	264	210135	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	770315	110.53	ng	0.01
7) Phenol-d6	6.59	99	1019169	118.86	ng	0.00
23) Nitrobenzene-d5	7.52	82	597324	78.64	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	225798	99.73	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	945536	73.33	ng	0.00
78) Terphenyl-d14	13.07	244	732780	70.09	ng	0.00

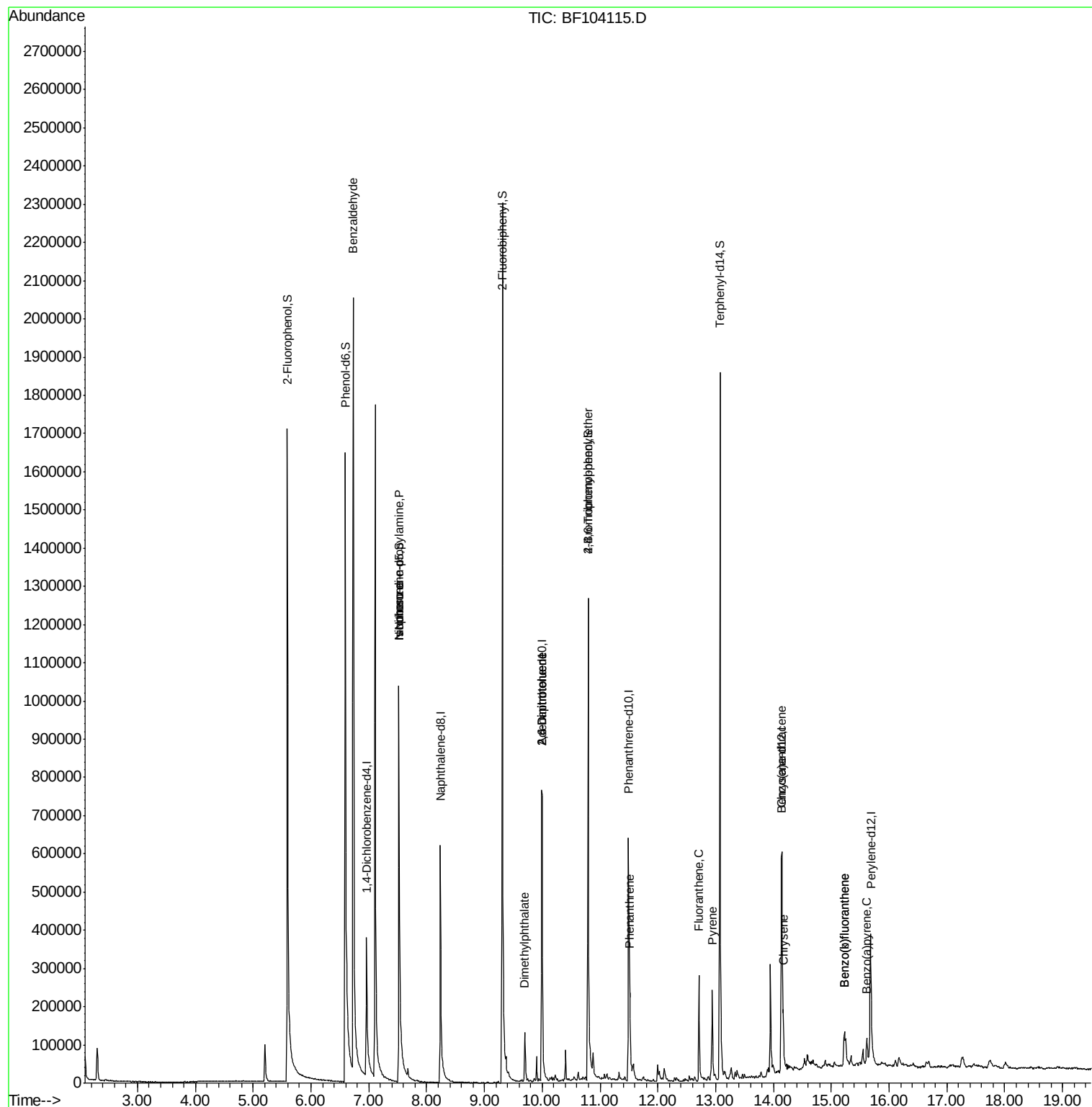
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	16336	2.391	ng	85
19) n-Nitroso-di-n-propylamine	7.52	70	72155	14.180	ng	# 73
25) Isophorone	7.52	82	605900	43.286	ng	# 64
49) Dimethylphthalate	9.70	163	69281	4.316	ng	99
50) 2,6-Dinitrotoluene	9.99	165	24458	7.081	ng	# 25
56) 2,4-Dinitrotoluene	9.99	165	24719	5.609	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	13076	3.752	ng	# 1
70) Phenanthrene	11.52	178	86120	4.883	ng	98
74) Fluoranthene	12.71	202	147420	7.864	ng	96
77) Pyrene	12.94	202	123868	7.138	ng	98
80) Benzo(a)anthracene	14.13	228	62380	4.130	ng	98
82) Chrysene	14.17	228	52034	3.517	ng	98
87) Benzo(b)fluoranthene	15.22	252	83872	6.558	ng	96
88) Benzo(k)fluoranthene	15.22	252	83872	6.962	ng	98
89) Benzo(a)pyrene	15.62	252	43482	3.669	ng	# 90

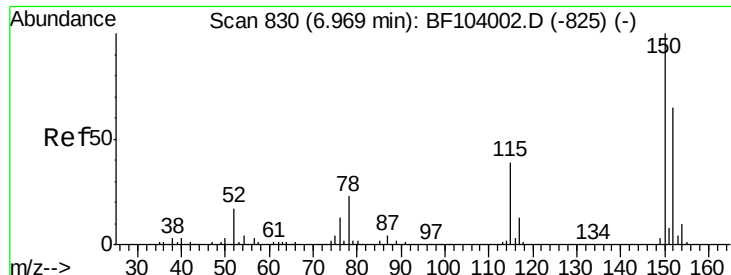
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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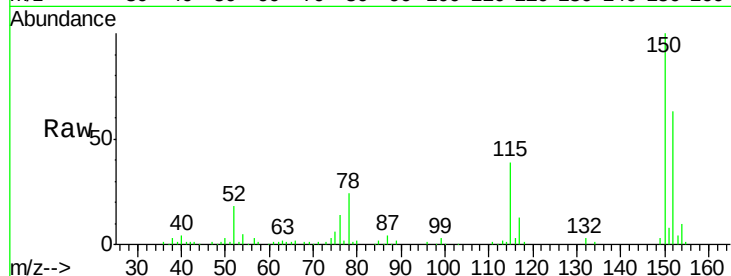


#1

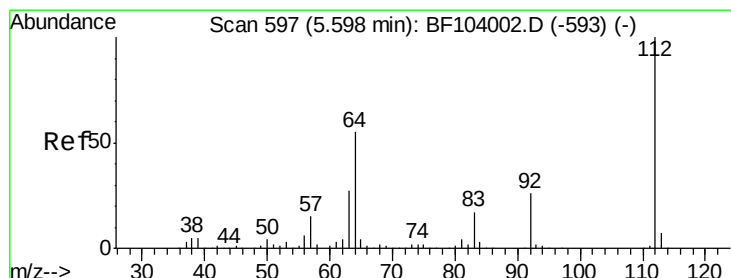
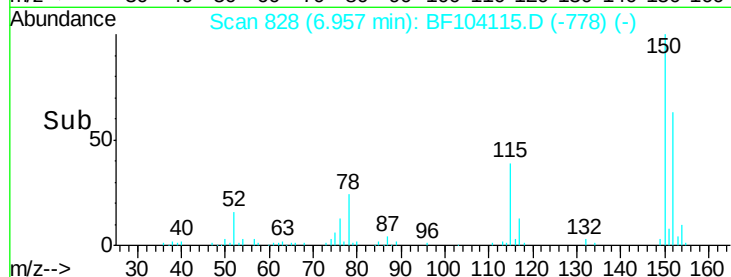
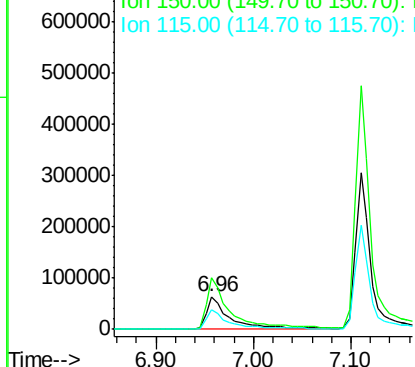
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111142
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 61.4 50.1 75.1



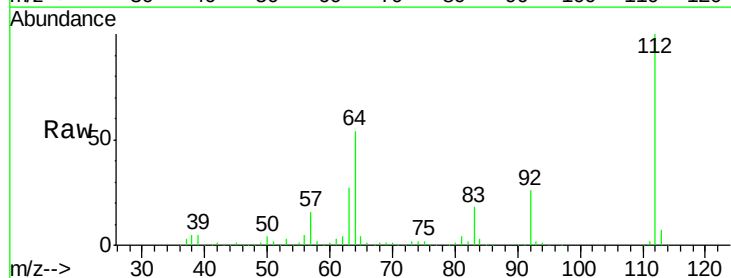
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



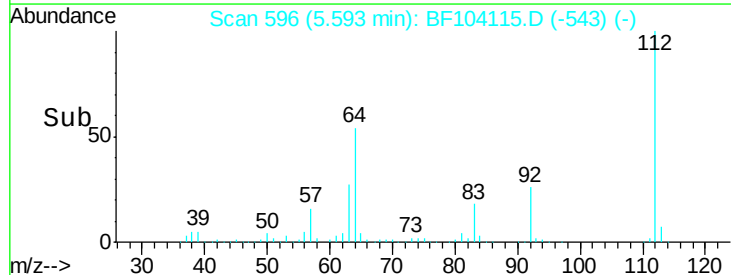
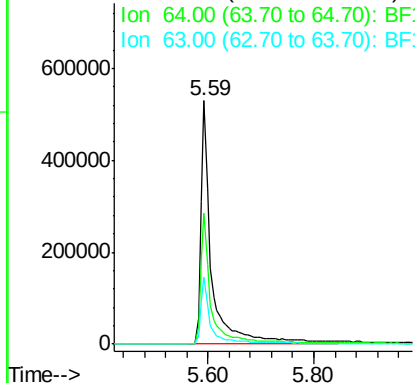
#5

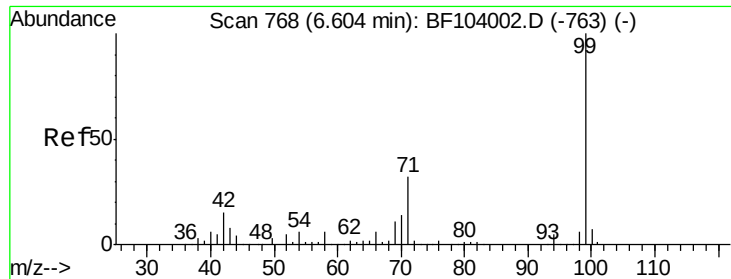
2-Fluorophenol
Concen: 110.530 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Tgt Ion:112 Resp: 770315
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 27.4 23.7 35.5



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: 118.863 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104115.D

Acq: 31 Mar 2018 1:18

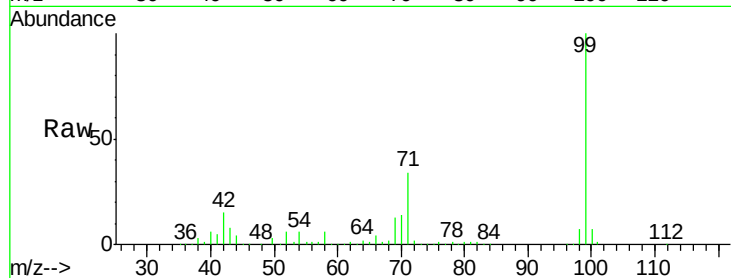
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1019169

Ion	Ratio	Lower	Upper
99	100		
42	15.4	14.5	21.7
71	33.5	25.4	38.0

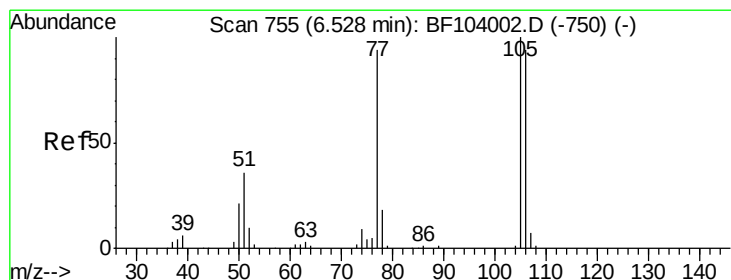
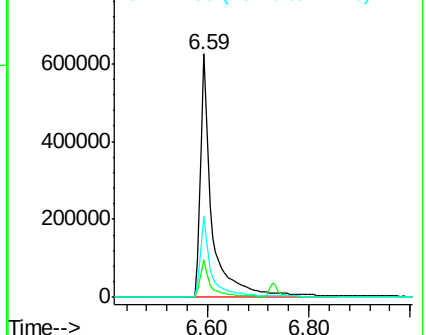
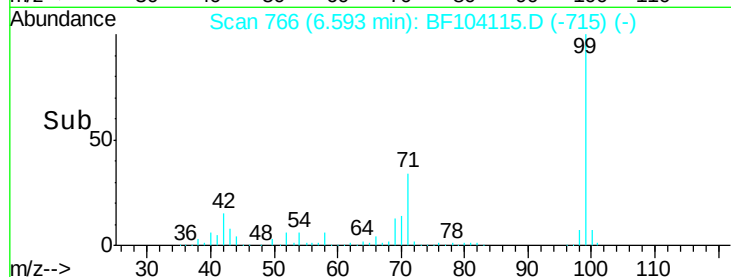


Abundance

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



#9

Benzaldehyde

Concen: 2.391 ng

RT: 6.73 min Scan# 789

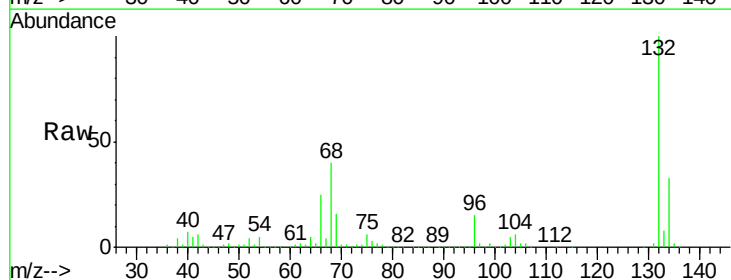
Delta R.T. 0.21 min

Lab File: BF104115.D

Acq: 31 Mar 2018 1:18

Tgt Ion: 77 Resp: 16336

Ion	Ratio	Lower	Upper
77	100		
105	88.5	81.1	121.1
106	77.8	74.5	114.5

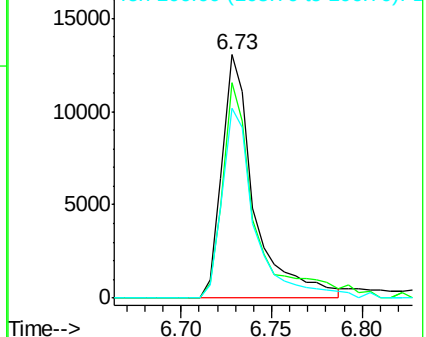
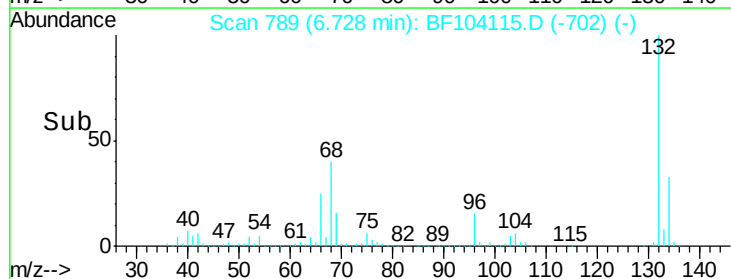


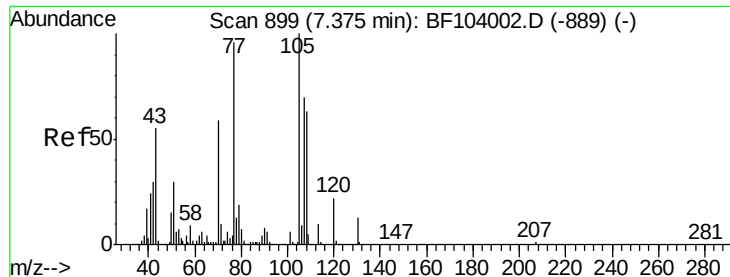
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

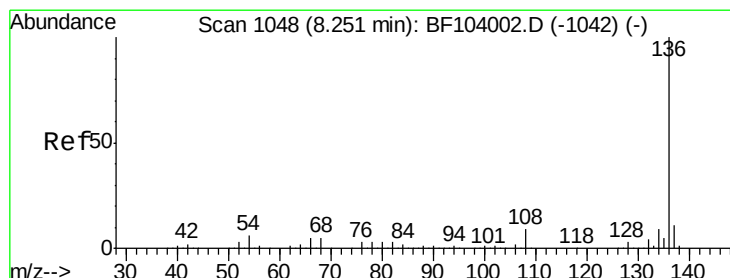
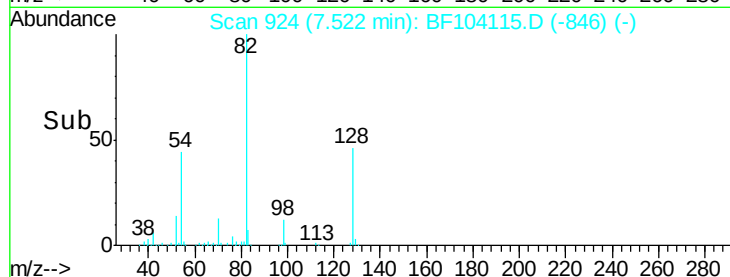
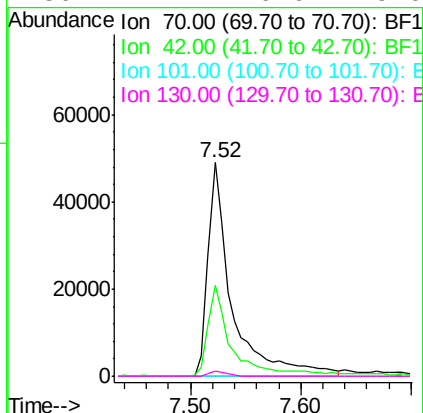
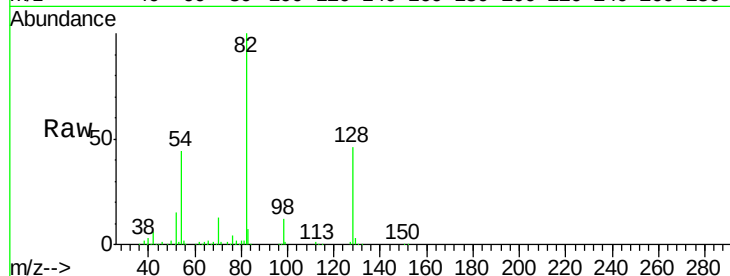




#19
n-Nitroso-di-n-propylamine
Concen: 14.180 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.16 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

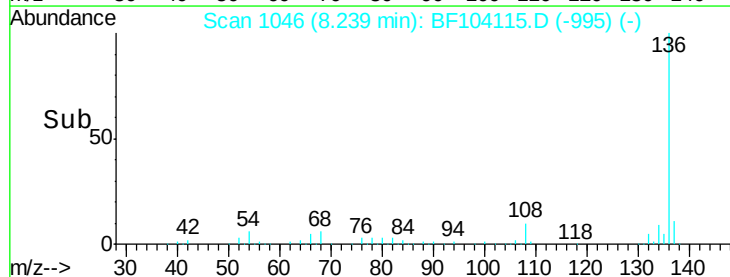
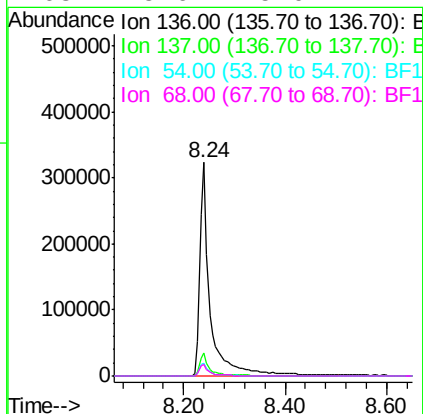
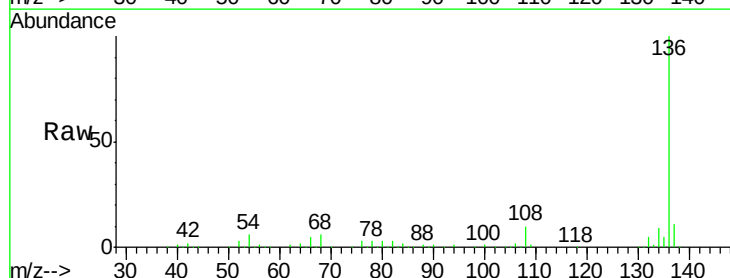
Instrument :
BNA_F
ClientSampleId :

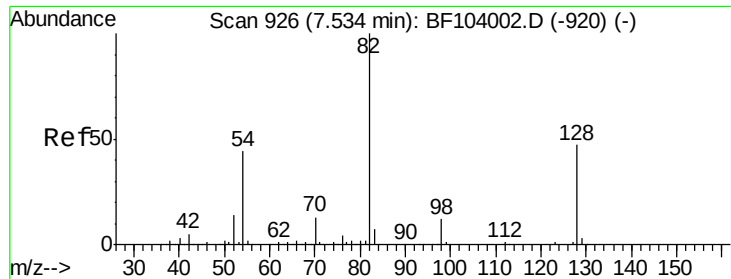
Tot Ion: 70 Resp: 72155
Ion Ratio Lower Upper
70 100
42 42.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Tgt Ion: 136 Resp: 464497
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.3 6.6 9.8#
68 5.6 5.0 7.4

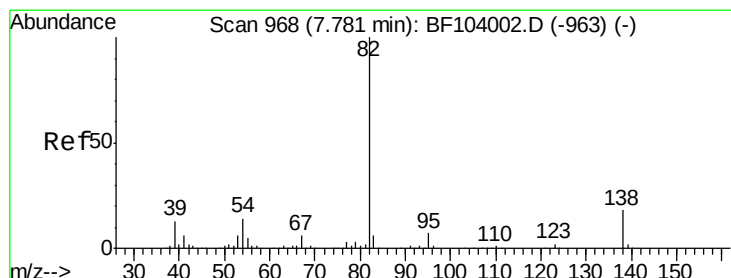
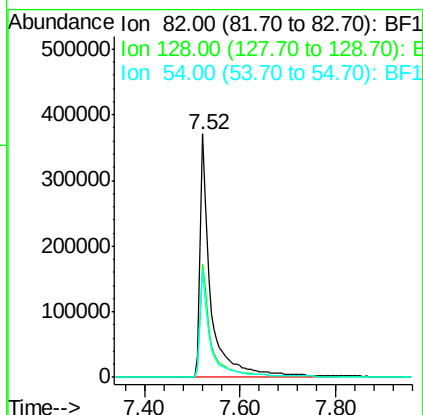
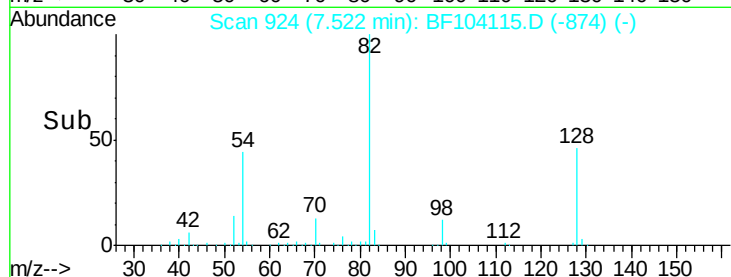
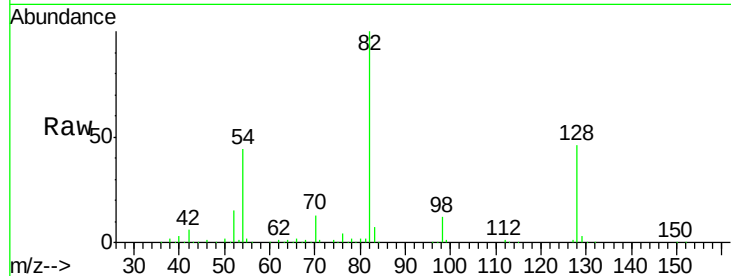




#23
Nitrobenzene-d5
Concen: 78.643 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

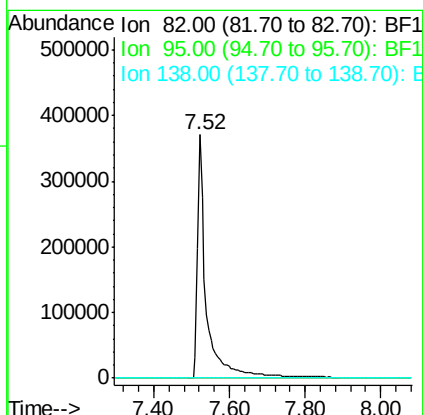
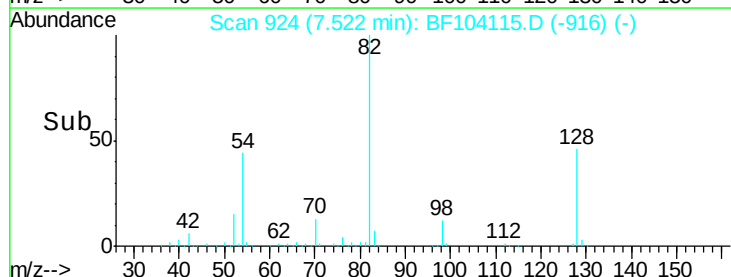
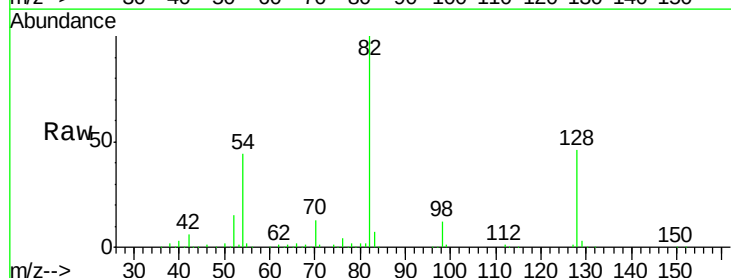
Instrument :
BNA_F
ClientSampled :

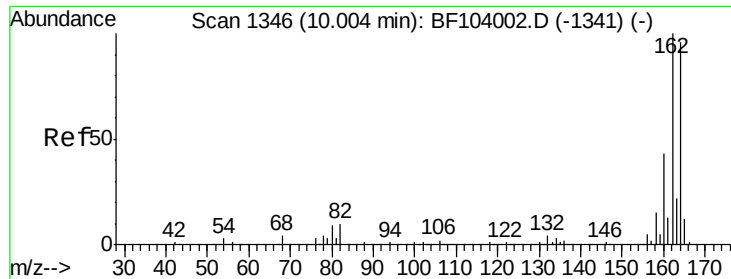
Tot Ion	82	Resp	597324
Ion Ratio	Lower	Upper	
82	100		
128	46.3	36.1	54.1
54	44.3	41.4	62.2



#25
Isophorone
Concen: 43.286 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Tgt Ion	82	Resp	605900
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

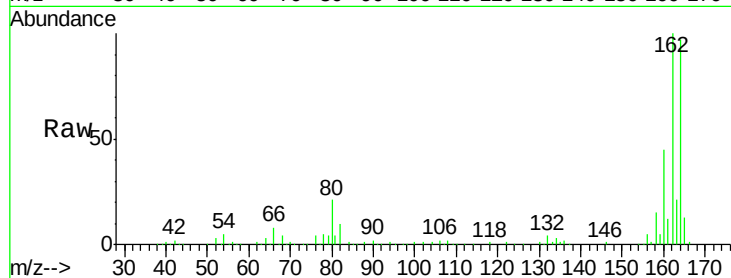




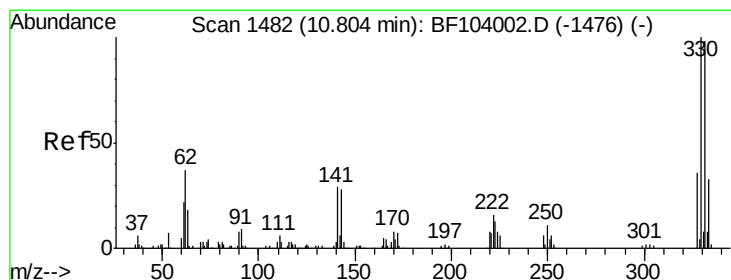
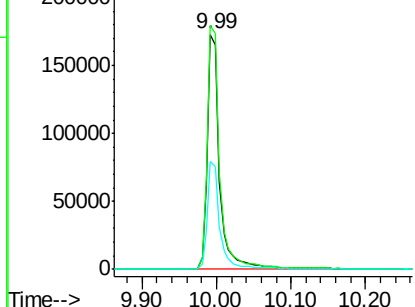
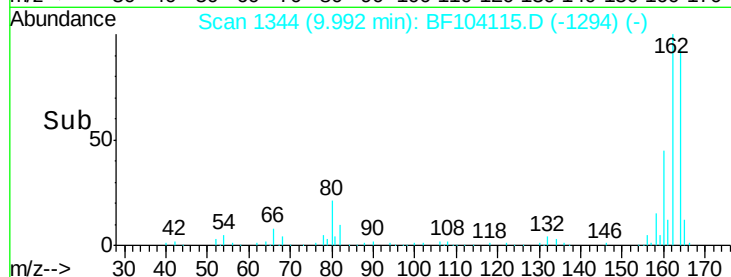
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF104115.D
 Acq: 31 Mar 2018 1:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 203335
 Ion Ratio Lower Upper
 164 100
 162 103.6 86.1 129.1
 160 46.1 38.3 57.5

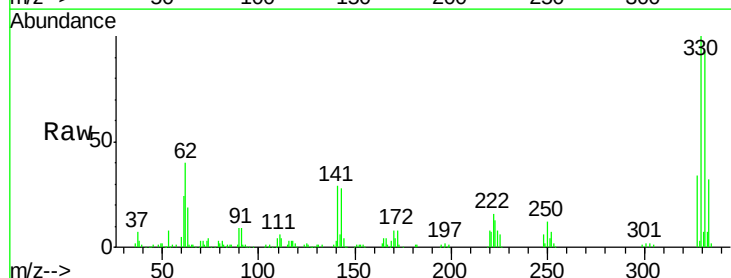


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

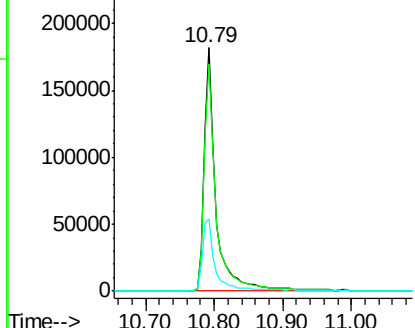
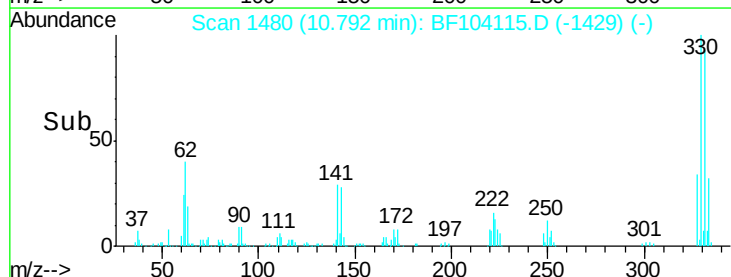


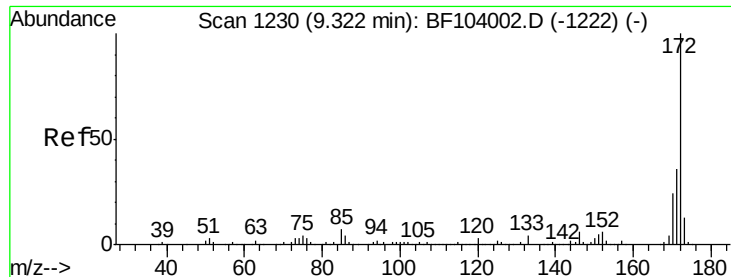
#41
 2,4,6-Tribromophenol
 Concen: 99.728 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF104115.D
 Acq: 31 Mar 2018 1:18

Tgt Ion:330 Resp: 225798
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 31.9 29.9 44.9



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

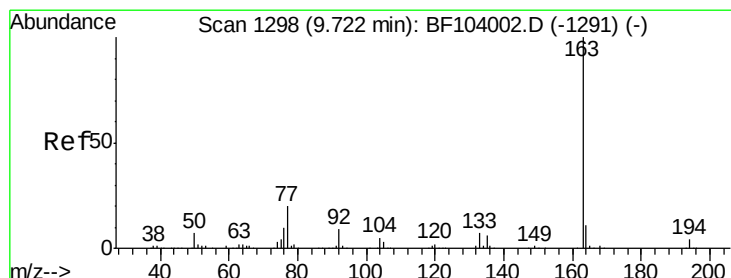
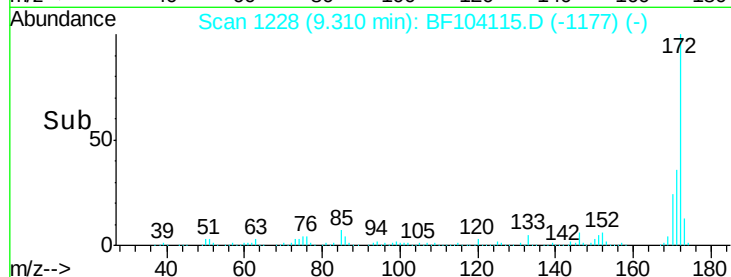
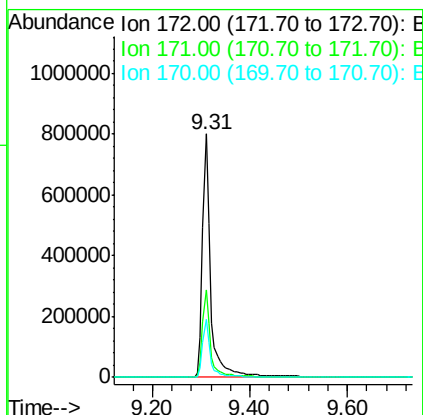
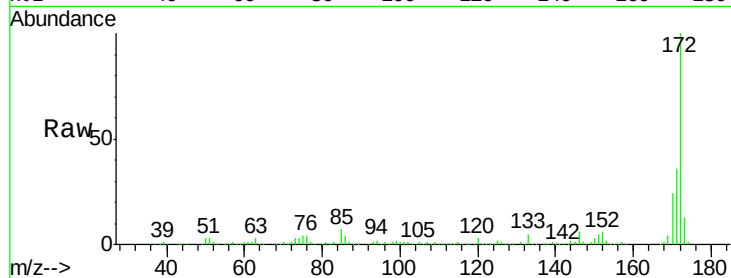




#44
2-Fluorobiphenyl
Concen: 73.329 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

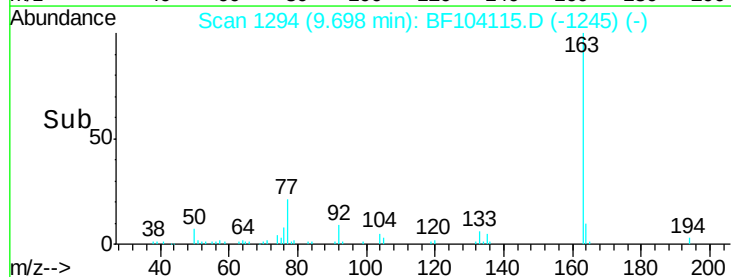
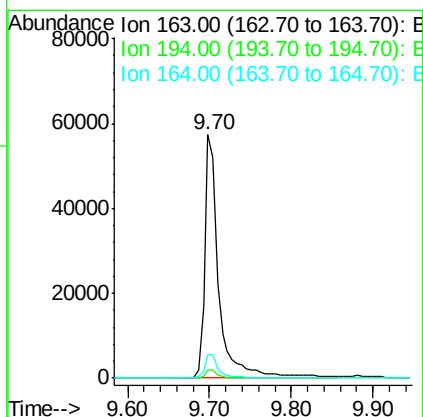
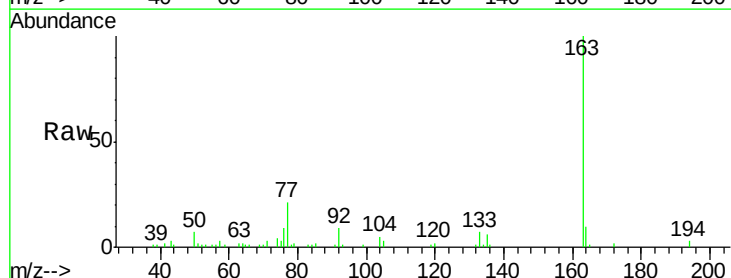
Instrument :
BNA_F
ClientSampleId :

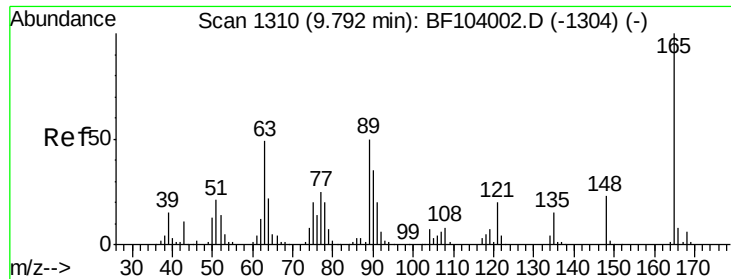
Tot Ion:172 Resp: 945536
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.1 19.6 29.4



#49
Dimethylphthalate
Concen: 4.316 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Tgt Ion:163 Resp: 69281
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.7 8.2 12.2

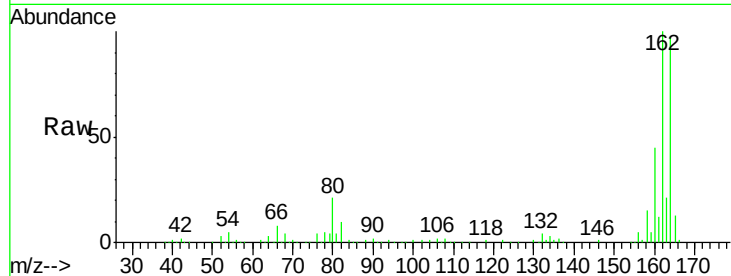




#50
 2,6-Dinitrotoluene
 Concen: 7.081 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.21 min
 Lab File: BF104115.D
 Acq: 31 Mar 2018 1:18

Instrument :
 BNA_F
 ClientSampleId :

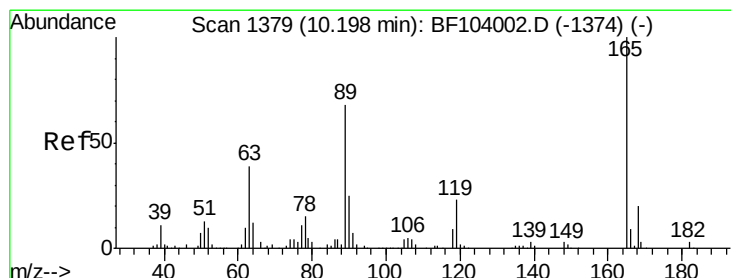
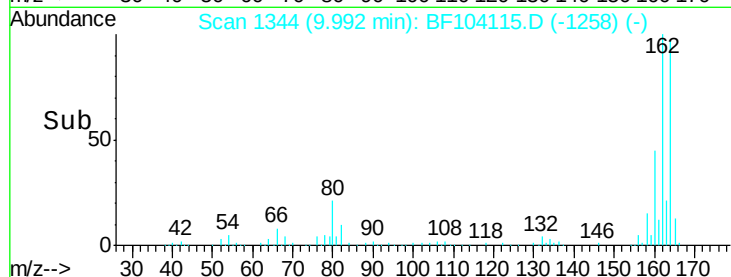
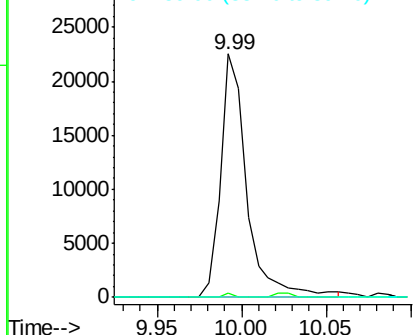
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	0.0	44.0	66.0#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.609 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF104115.D
 Acq: 31 Mar 2018 1:18

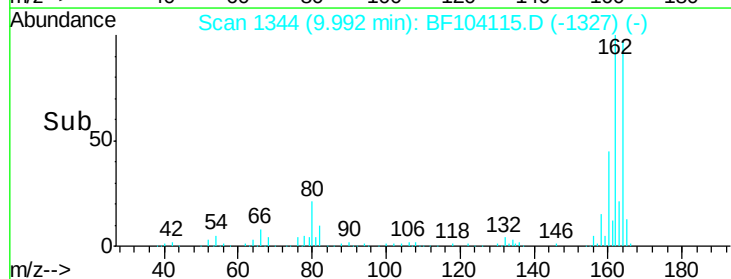
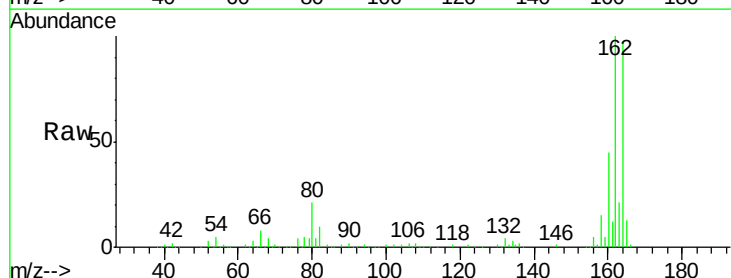
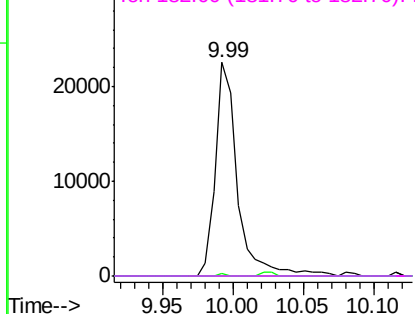
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

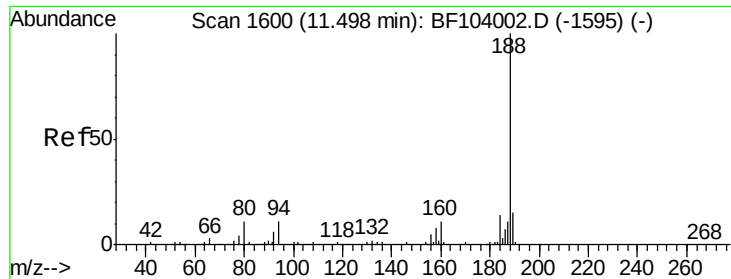
Abundance Ion 165.00 (164.70 to 165.70): E

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

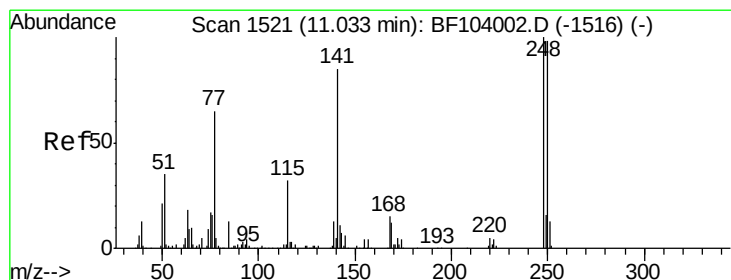
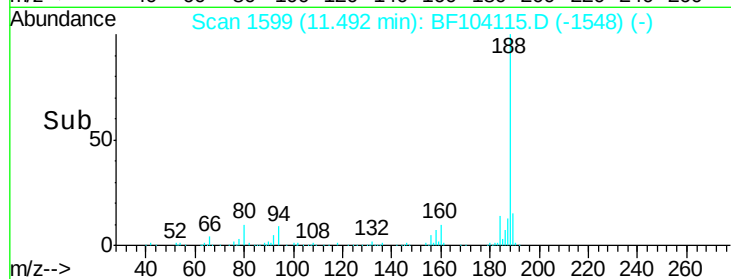
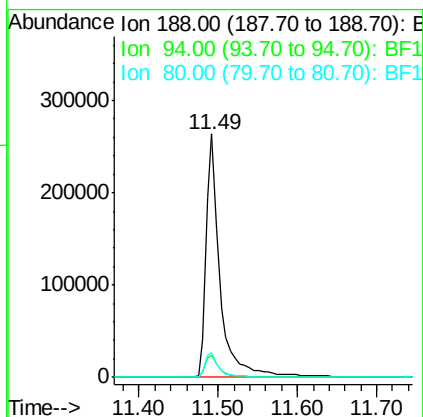
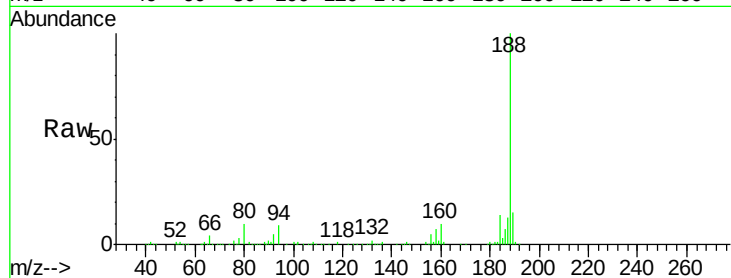




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

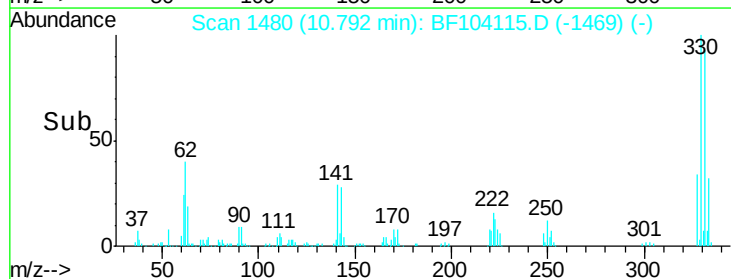
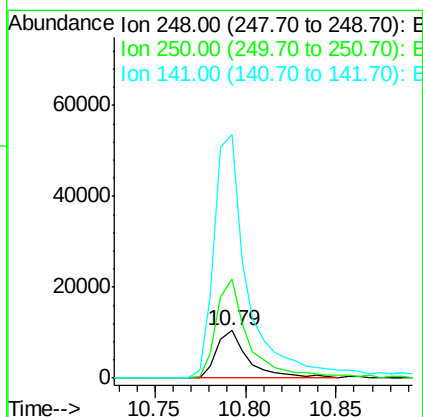
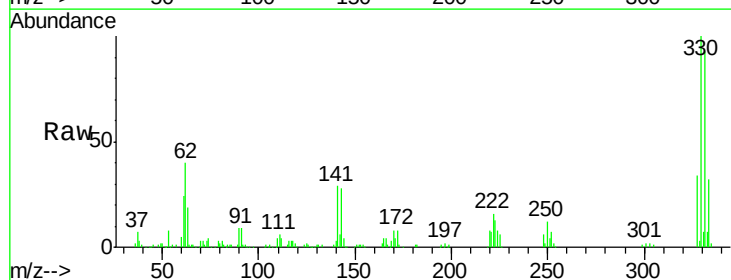
Instrument :
BNA_F
ClientSampleId :

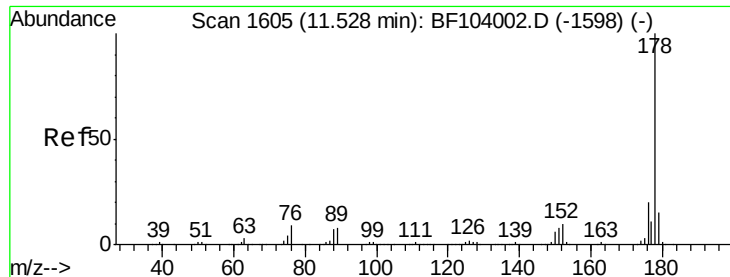
Tot Ion:188 Resp: 325738
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 10.2 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.752 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Tgt Ion:248 Resp: 13076
Ion Ratio Lower Upper
248 100
250 210.3 76.9 115.3#
141 514.6 74.4 111.6#

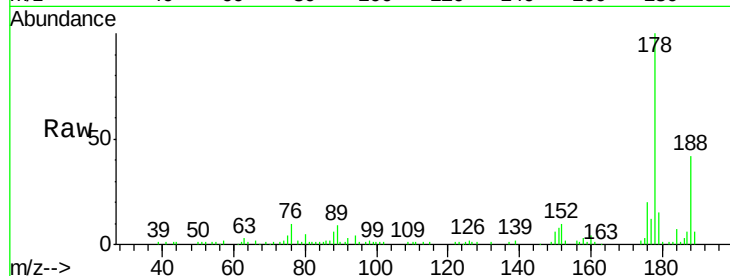




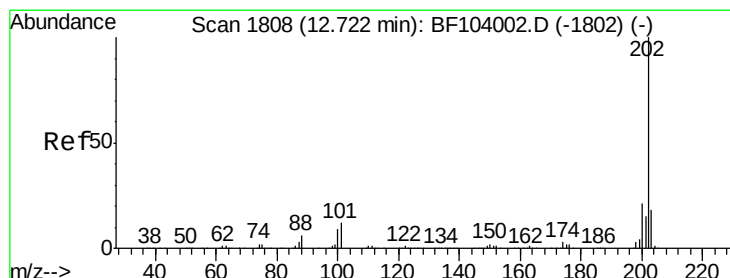
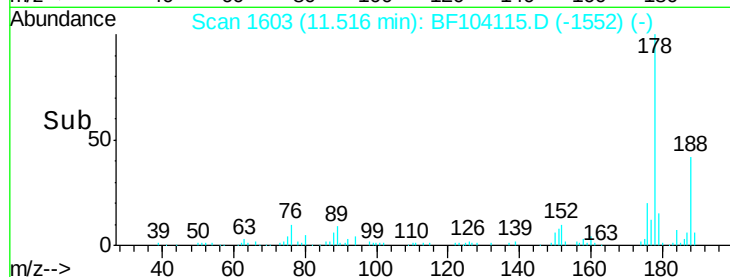
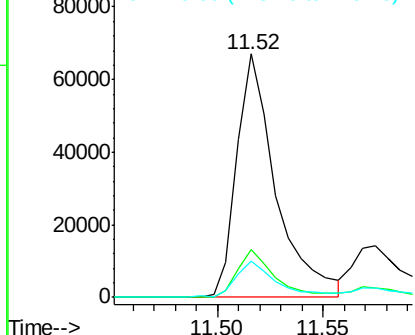
#70
Phenanthrene
Concen: 4.883 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 86120
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 14.7 13.0 19.6

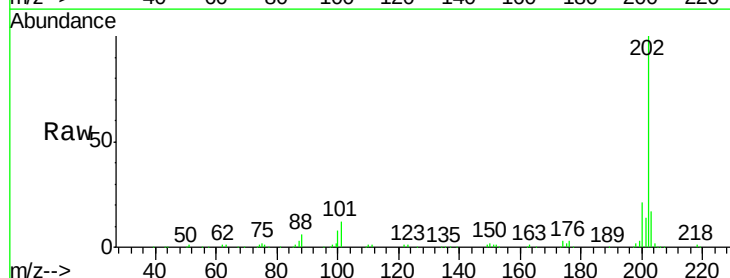


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

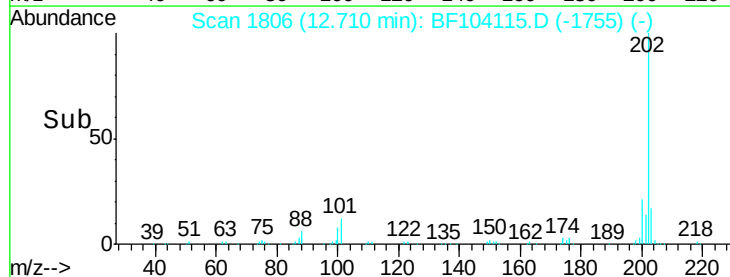
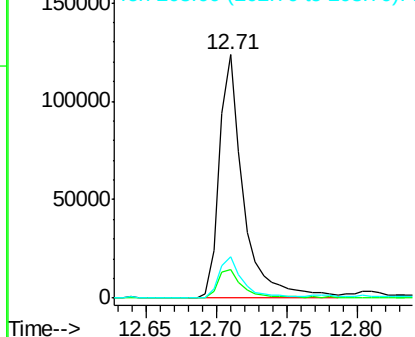


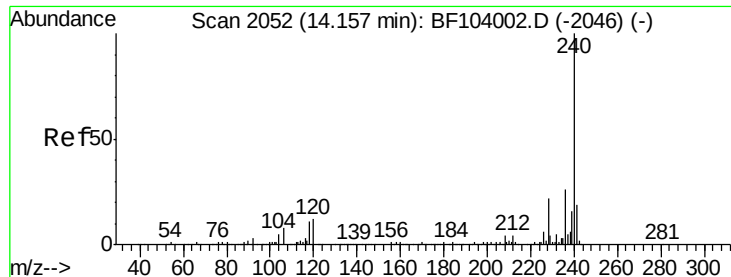
#74
Fluoranthene
Concen: 7.864 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Tgt Ion:202 Resp: 147420
Ion Ratio Lower Upper
202 100
101 11.7 0.0 34.1
203 16.8 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104115.D

Acq: 31 Mar 2018 1:18

Instrument :

BNA_F

ClientSampleId :

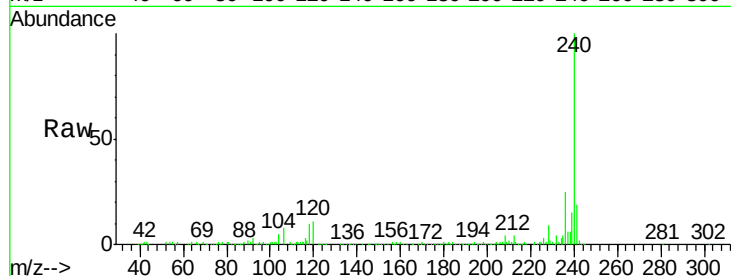
Tot Ion:240 Resp: 241410

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

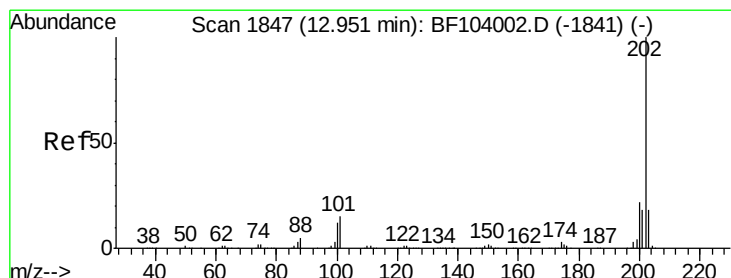
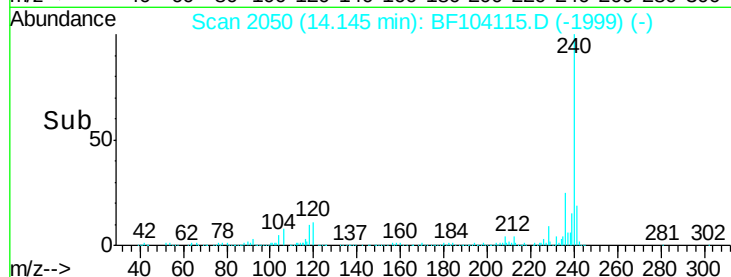
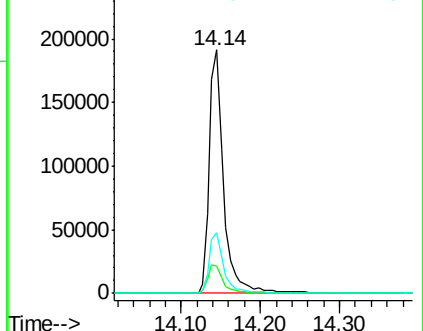
236 24.6 20.7 31.1



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



#77

Pyrene

Concen: 7.138 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF104115.D

Acq: 31 Mar 2018 1:18

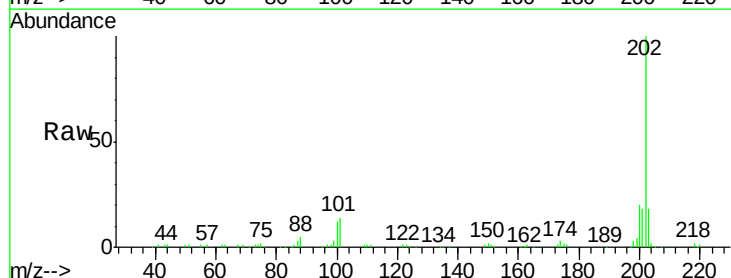
Tgt Ion:202 Resp: 123868

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

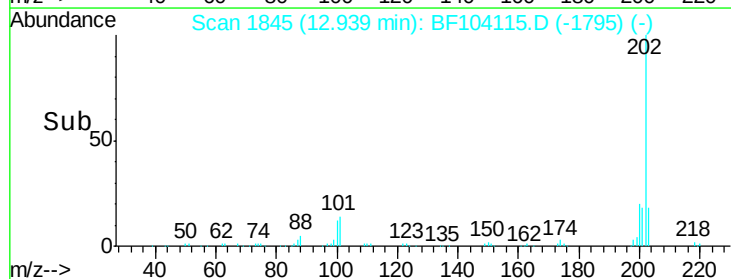
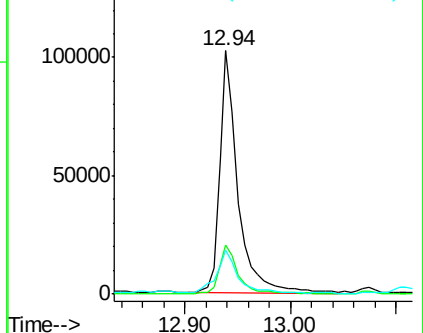
203 18.1 14.3 21.5

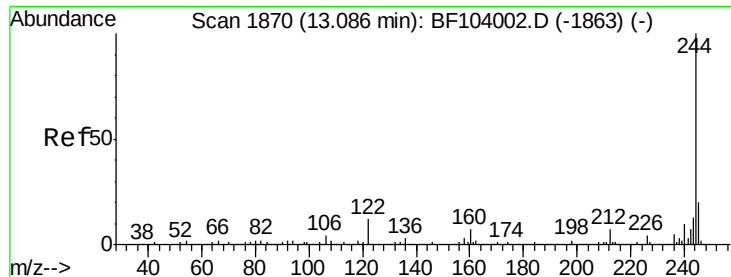


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

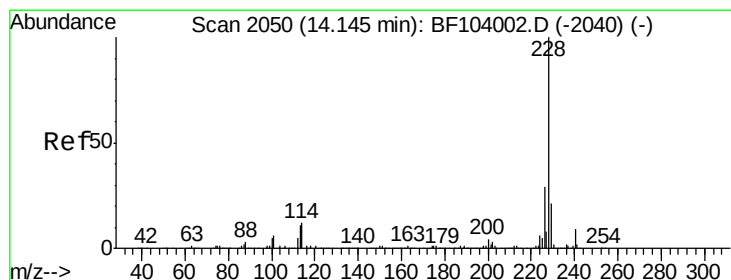
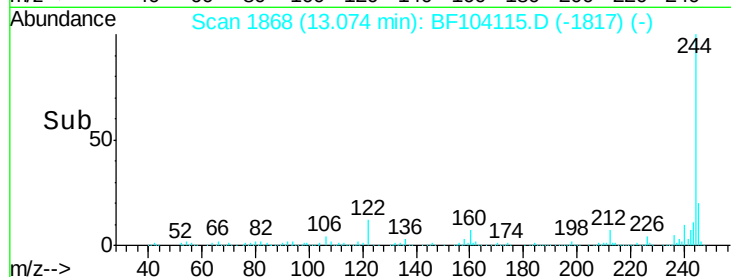
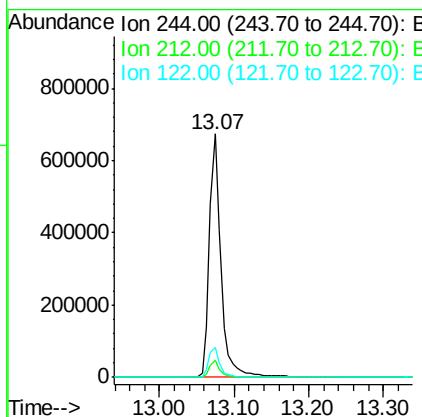
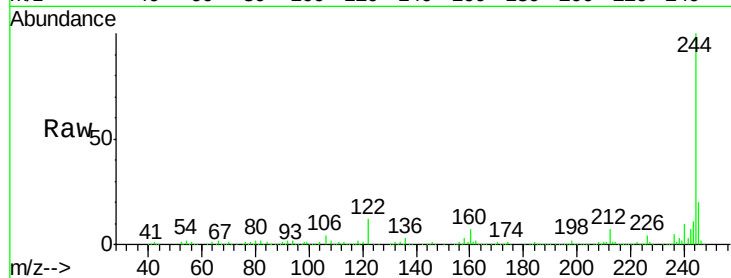




#78
 Terphenyl-d14
 Concen: 70.086 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: BF104115.D
 Acq: 31 Mar 2018 1:18

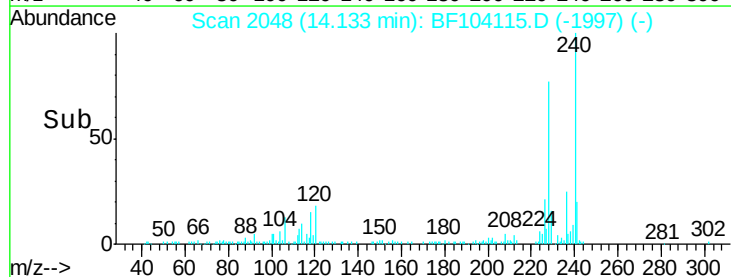
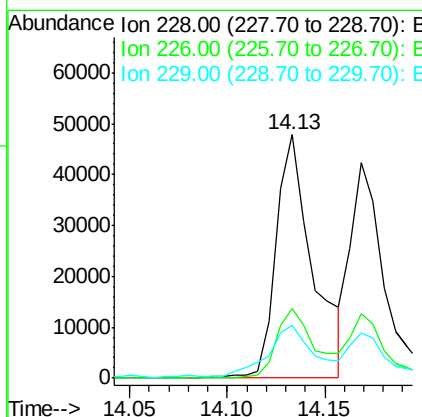
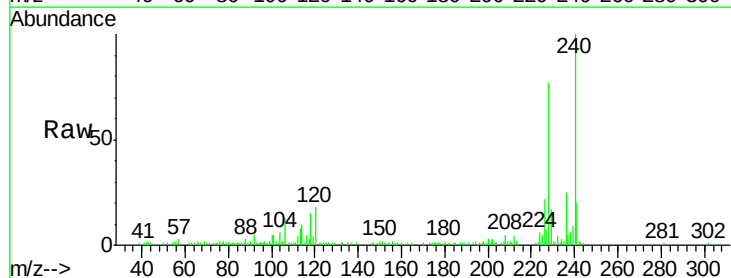
Instrument :
 BNA_F
 ClientSampleId :

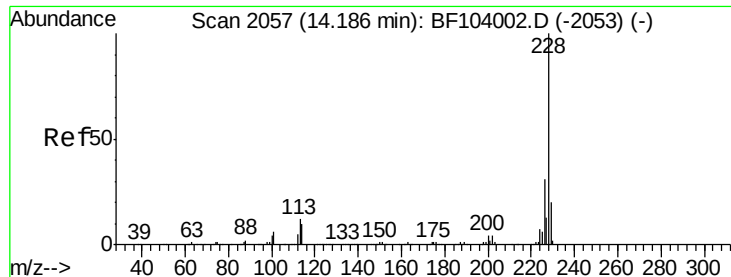
Tot Ion:244 Resp: 732780
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.130 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: BF104115.D
 Acq: 31 Mar 2018 1:18

Tgt Ion:228 Resp: 62380
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 33.8
 229 21.9 15.8 23.6

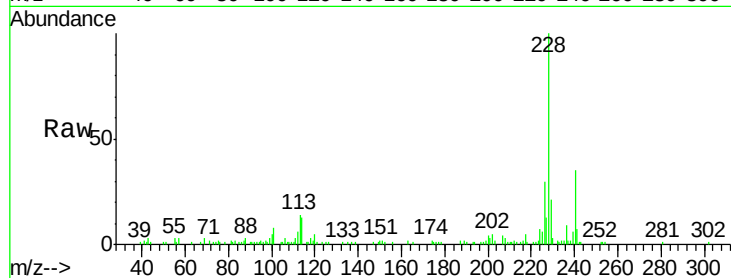




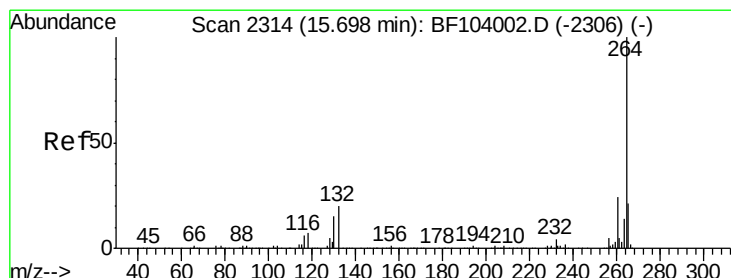
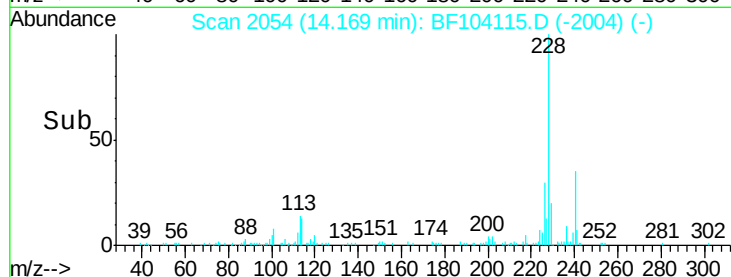
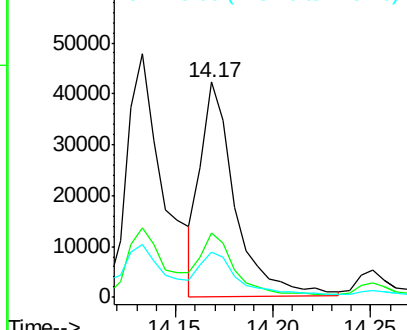
#82
Chrysene
Concen: 3.517 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 52034
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 20.7 16.2 24.4

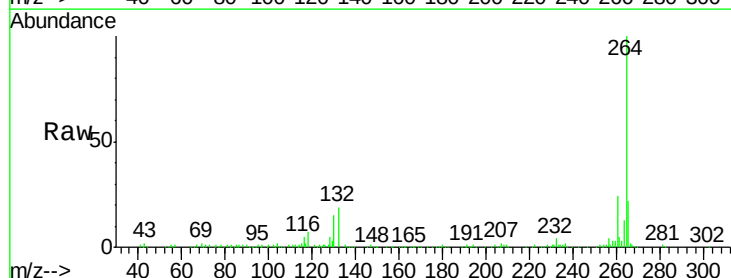


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

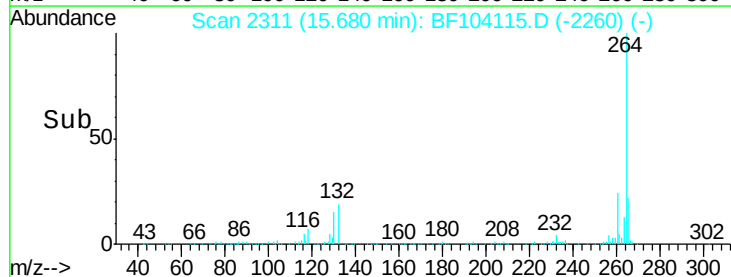
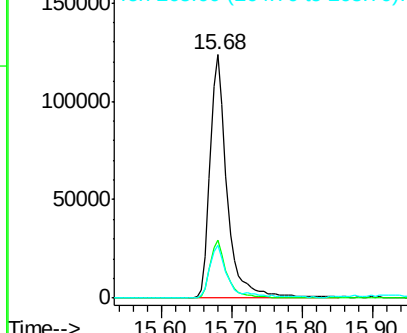


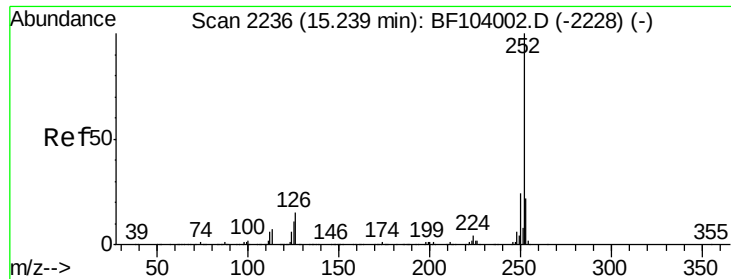
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Tgt Ion:264 Resp: 210135
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.7 17.5 26.3



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

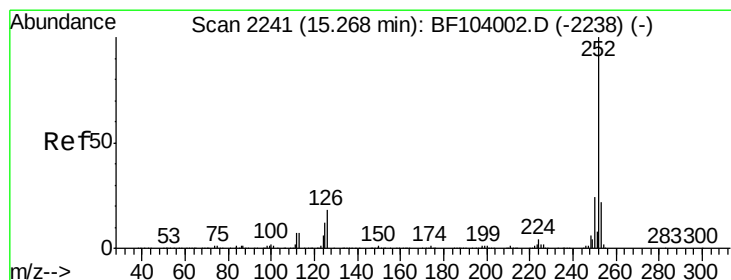
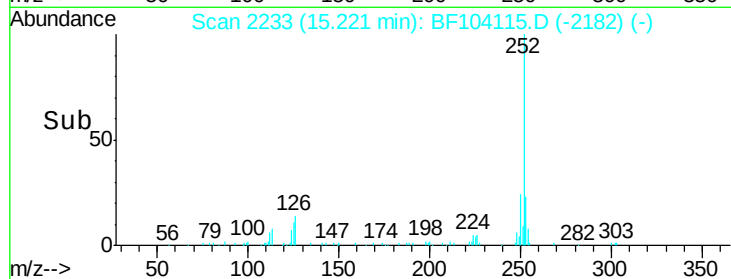
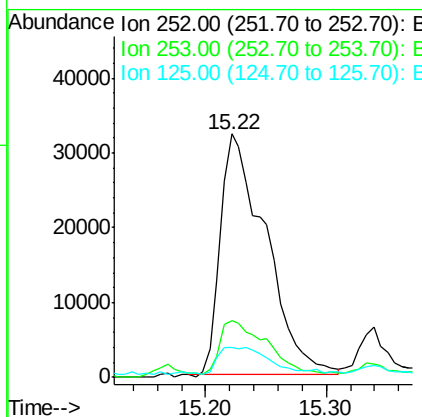
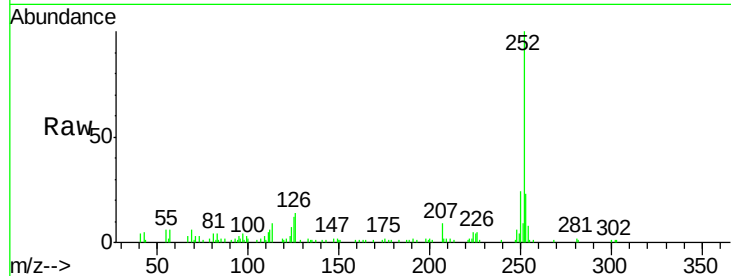




#87
Benzo(b)fluoranthene
Concen: 6.558 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

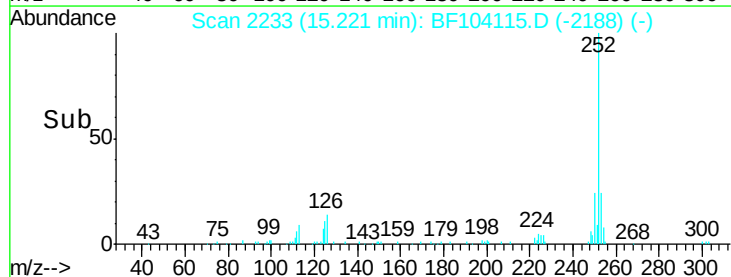
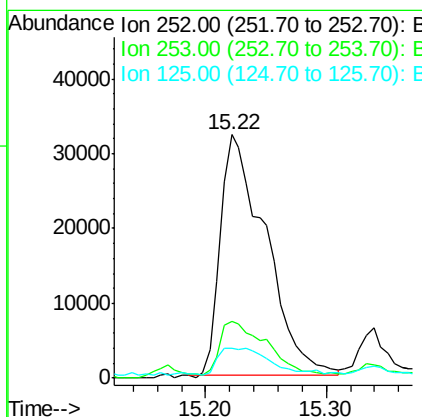
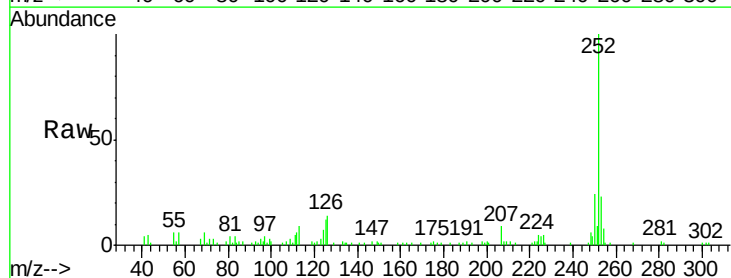
Instrument :
BNA_F
ClientSampleId :

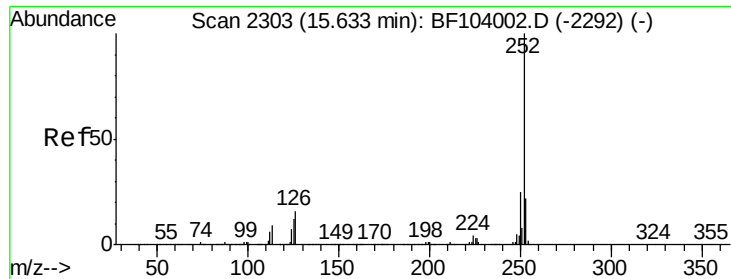
Tot Ion:252 Resp: 83872
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 12.1 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 6.962 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF104115.D
Acq: 31 Mar 2018 1:18

Tgt Ion:252 Resp: 83872
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 12.1 10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.669 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BF104115.D

Acq: 31 Mar 2018 1:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 43482

Ion Ratio Lower Upper

252 100

253 25.4 17.1 25.7

125 16.7 9.8 14.6

