

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104600.D
 Acq On : 18 Apr 2018 14:38
 Operator : JU/SJ
 Sample : J2423-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 15:16:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	123815	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	466648	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	173498	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	263343	20.00	ng	0.00
75) Chrysene-d12	13.97	240	262297	20.00	ng	0.00
86) Perylene-d12	15.44	264	300587	20.00	ng	0.00

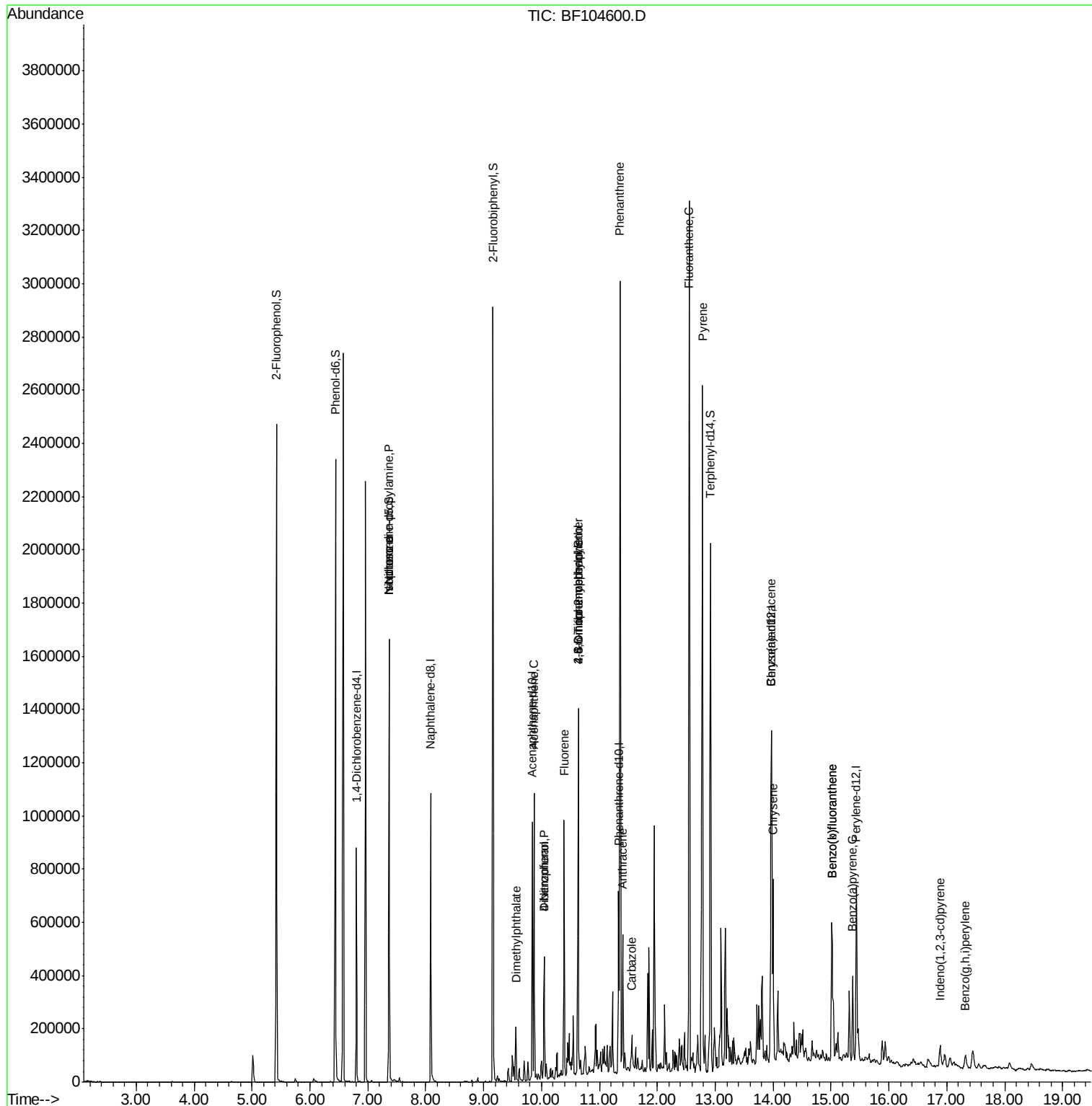
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	740024	91.39	ng	0.00
7) Phenol-d6	6.44	99	872519	87.70	ng	0.00
23) Nitrobenzene-d5	7.37	82	532771	74.55	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	157010	87.24	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	868058	79.04	ng	0.00
78) Terphenyl-d14	12.92	244	671177	58.34	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.37	70	68593	10.551	ng	# 74
25) Isophorone	7.37	82	532767	35.254	ng	# 64
49) Dimethylphthalate	9.56	163	81964	5.991	ng	99
51) Acenaphthene	9.87	154	210537	19.104	ng	100
54) Dibenzofuran	10.05	168	152640	9.939	ng	100
55) 4-Nitrophenol	10.05	139	57301	24.612	ng	# 10
57) Fluorene	10.39	166	279093	24.966	ng	100
64) 4,6-Dinitro-2-methylphenol	10.63	198	140	7.439	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9772	3.489	ng	# 1
70) Phenanthrene	11.36	178	1253904	85.501	ng	99
71) Anthracene	11.40	178	182791	12.262	ng	99
72) Carbazole	11.56	167	42639	2.927	ng	98
74) Fluoranthene	12.55	202	1498730	97.812	ng	99
76) Benzidine	12.92	184	8903	Below Cal	#	95
77) Pyrene	12.78	202	1117711	57.488	ng	100
80) Benzo(a)anthracene	13.97	228	391857	25.007	ng	99
82) Chrysene	14.00	228	280966	17.456	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	48698	3.562	ng	94
87) Benzo(b)fluoranthene	15.02	252	367551	19.361	ng	96
88) Benzo(k)fluoranthene	15.02	252	367551	20.507	ng	99
89) Benzo(a)pyrene	15.37	252	146898	8.648	ng	97
91) Benzo(g,h,i)perylene	17.32	276	40655	3.008	ng	# 95

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

```
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Operator  : JU/SJ  
Sample    : J2423-01  
Misc      :  
ALS Vial  : 14      Sample Multiplier: 1
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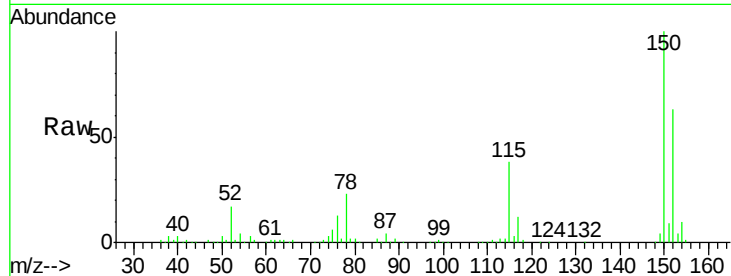


#1

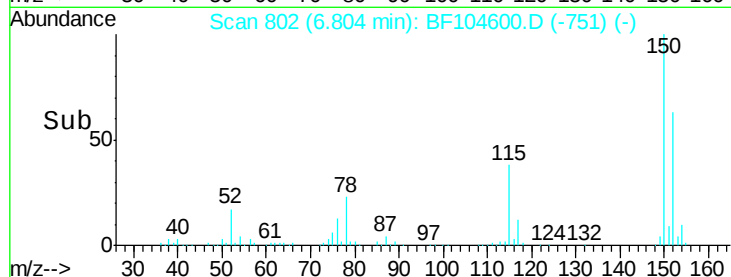
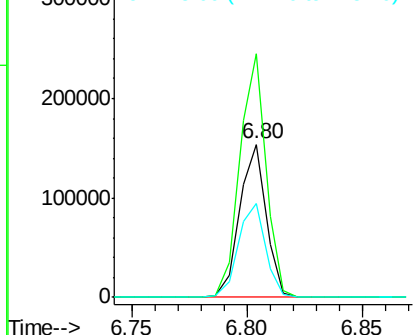
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	61.0	50.1	75.1



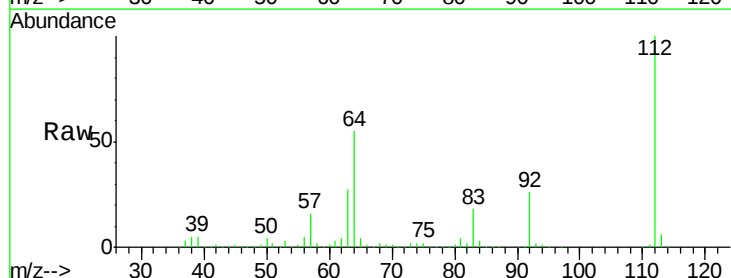
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



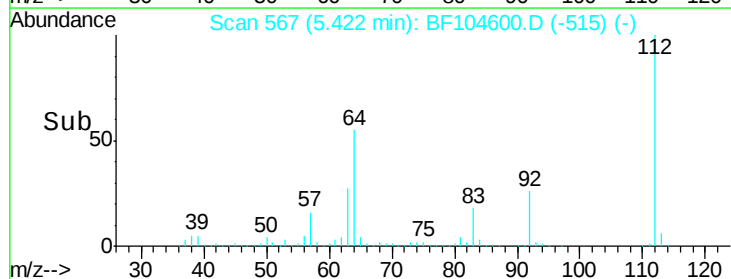
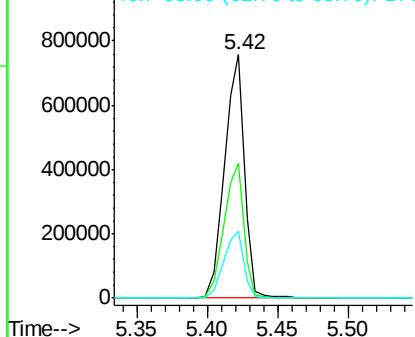
#5

2-Fluorophenol
Concen: 91.389 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.3	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: 87.698 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Instrument :

BNA_F

ClientSampled :

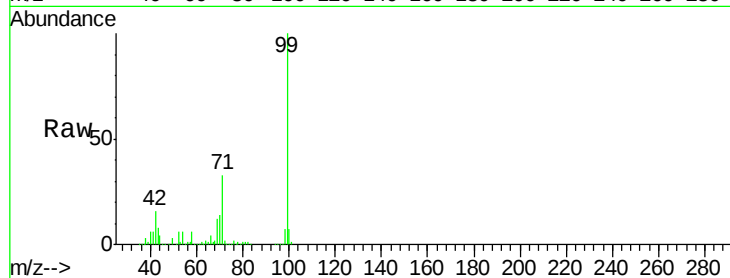
Tot Ion: 99 Resp: 872519

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

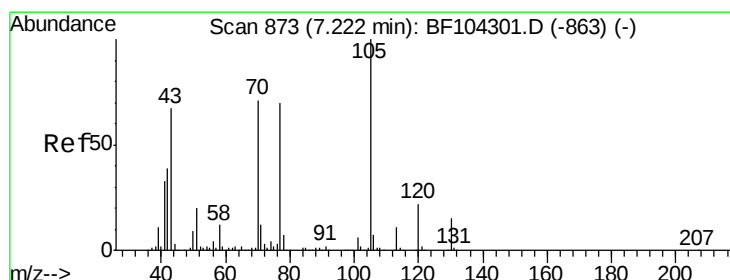
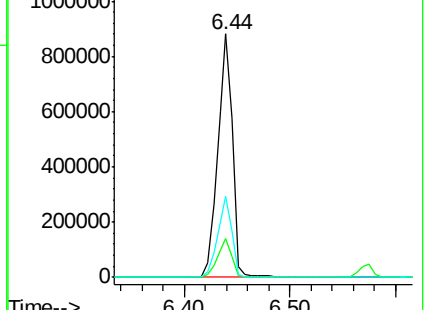
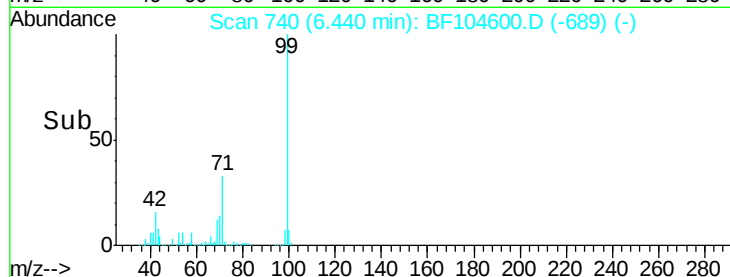
71 33.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.551 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Tgt Ion: 70 Resp: 68593

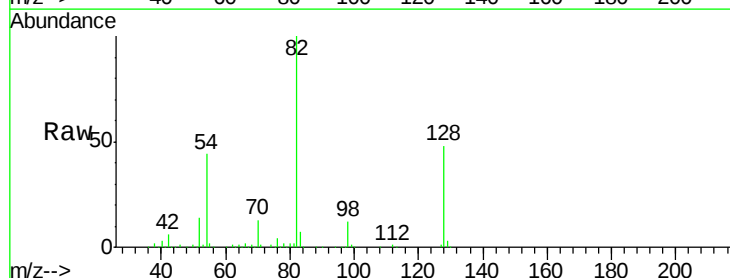
Ion Ratio Lower Upper

70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

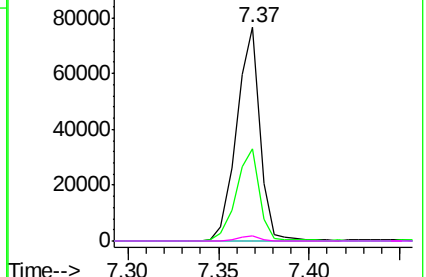
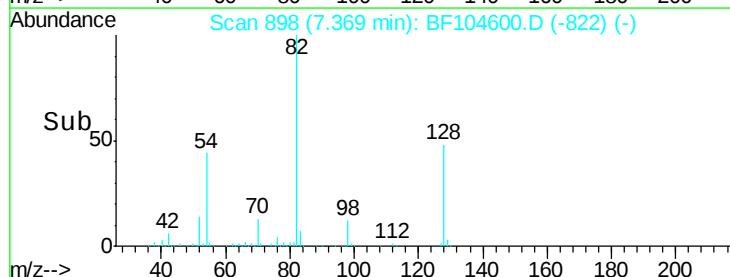


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

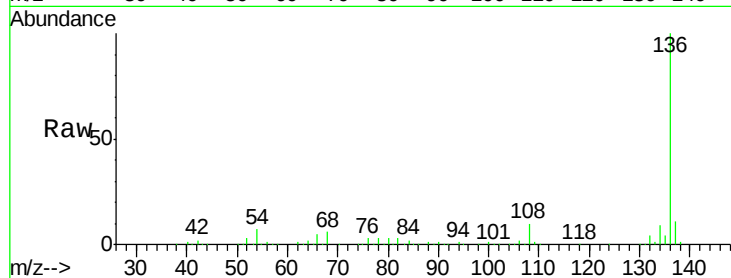




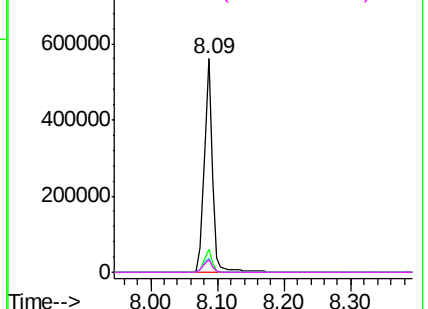
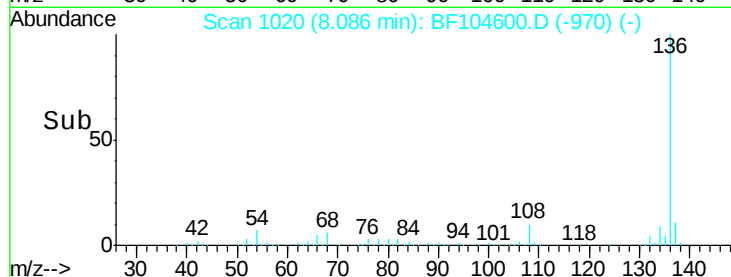
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	466648
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.9	6.6 9.8
68	6.2	5.0 7.4

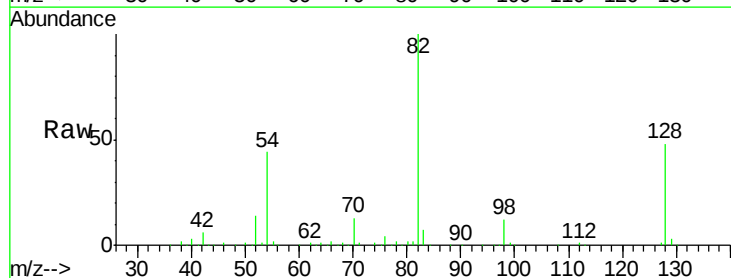


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

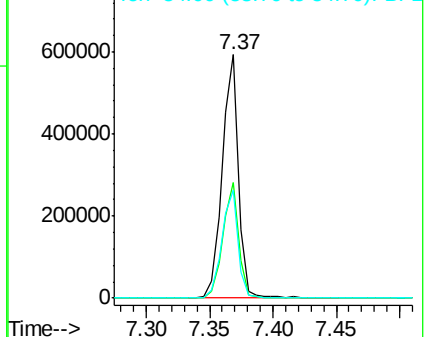
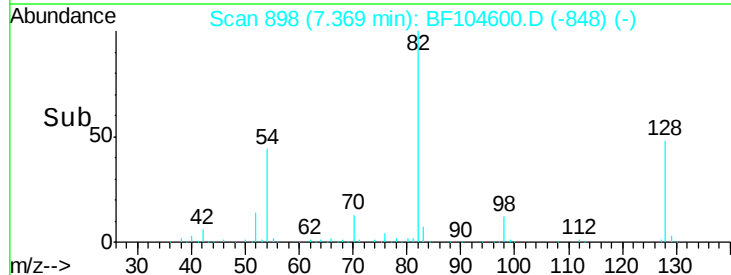


#23
Nitrobenzene-d5
Concen: 74.551 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion: 82	Resp:	532771
Ion Ratio	Lower	Upper
82	100	
128	47.5	36.1 54.1
54	44.4	41.4 62.2



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: 35.254 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Instrument :

BNA_F

ClientSampleId :

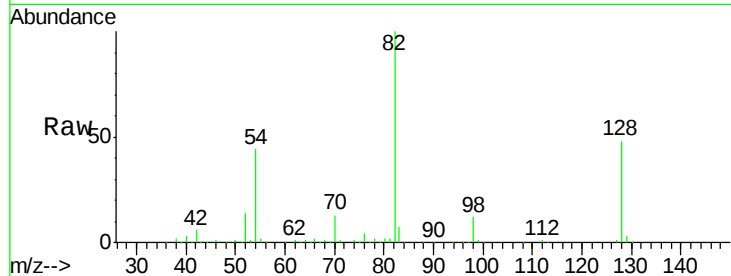
Tot Ion: 82 Resp: 532767

Ion Ratio Lower Upper

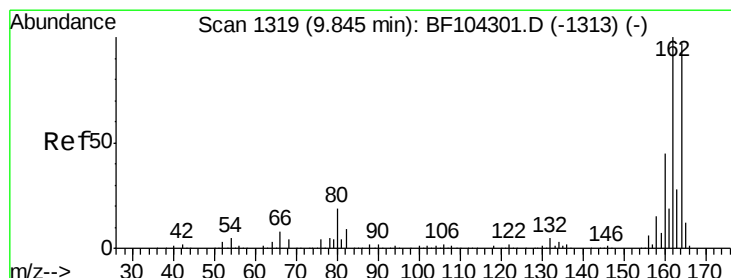
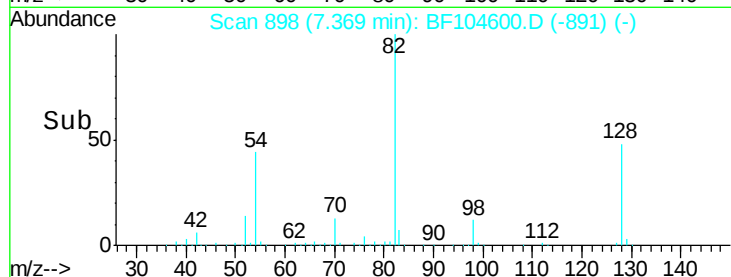
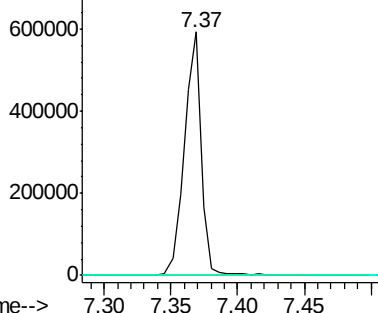
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

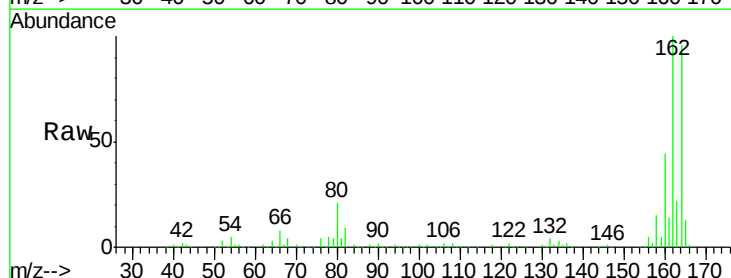
Tgt Ion: 164 Resp: 173498

Ion Ratio Lower Upper

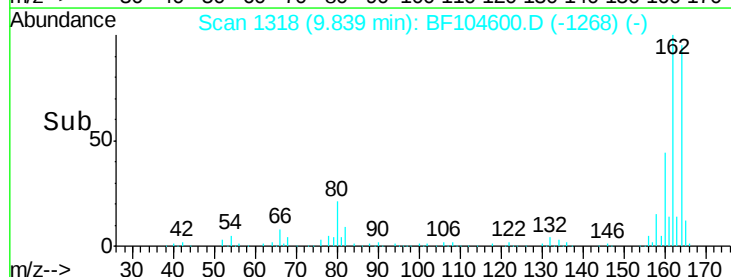
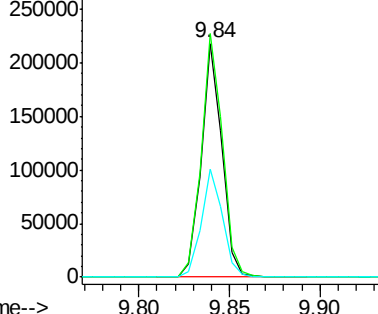
164 100

162 104.1 86.1 129.1

160 45.9 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

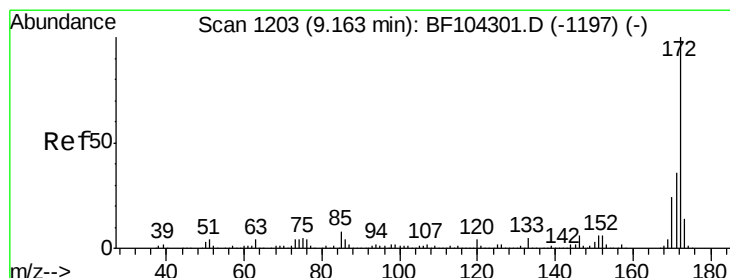
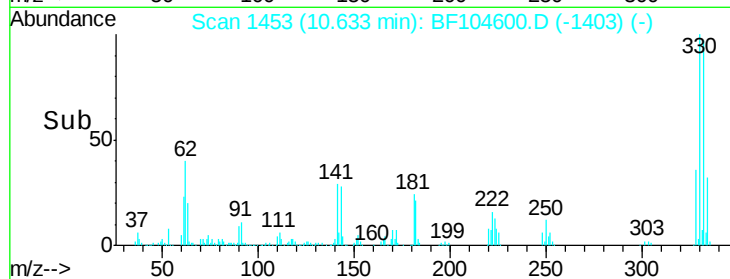
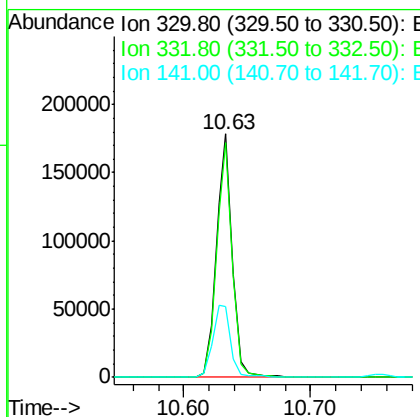
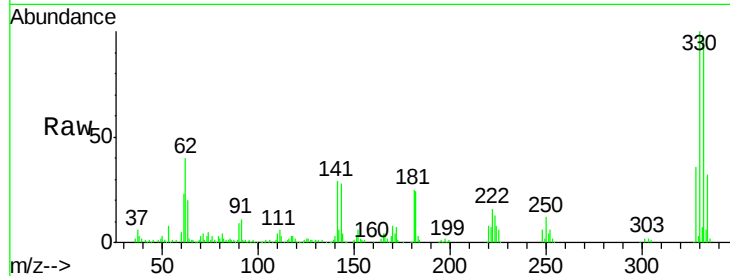




#41
 2,4,6-Tribromophenol
 Concen: 87.240 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

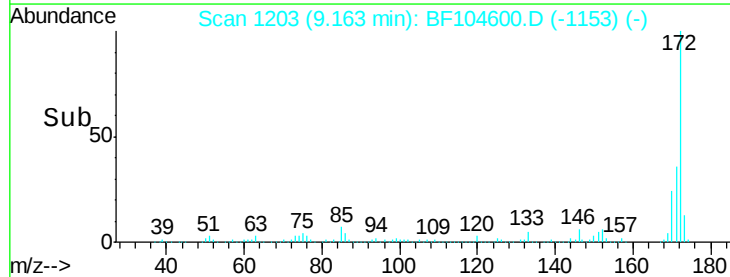
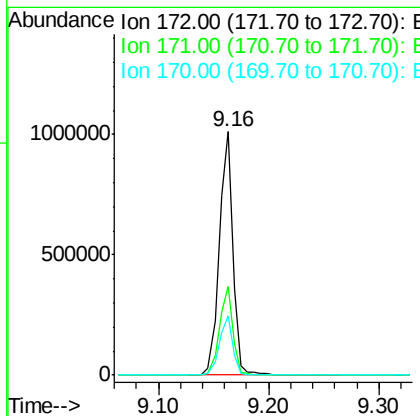
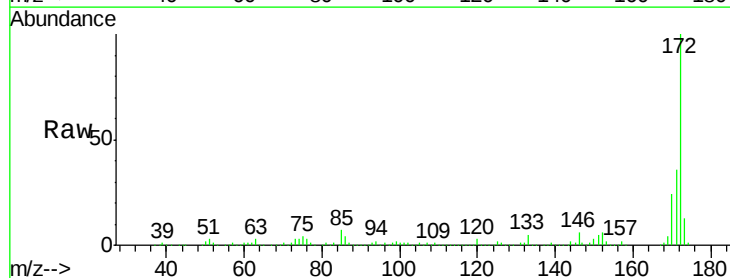
Instrument :
 BNA_F
 ClientSampled :

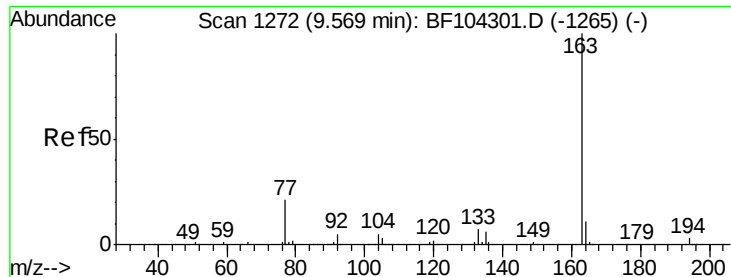
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	34.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 79.039 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.5	19.6	29.4

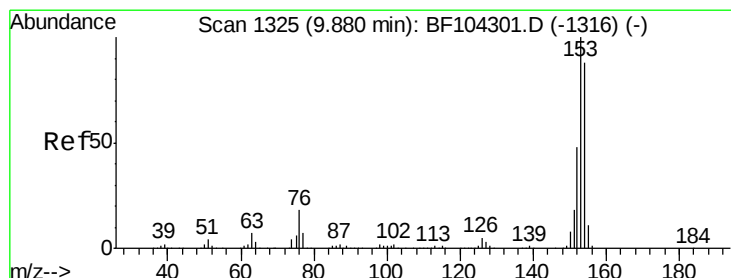
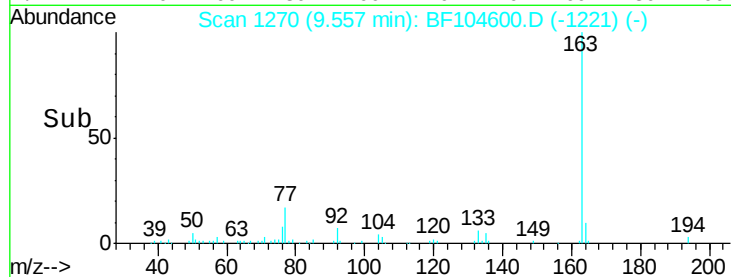
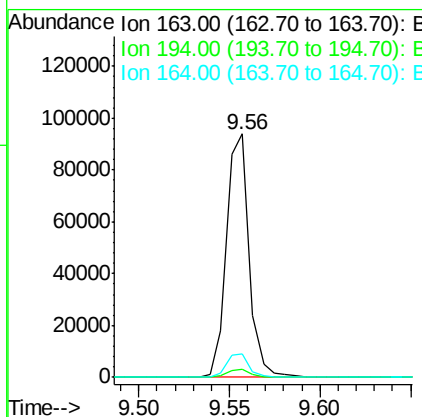
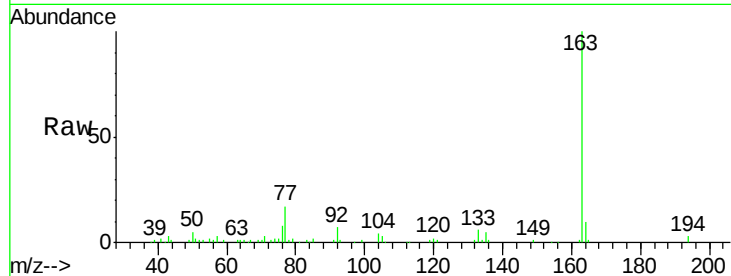




#49
Dimethylphthalate
Concen: 5.991 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

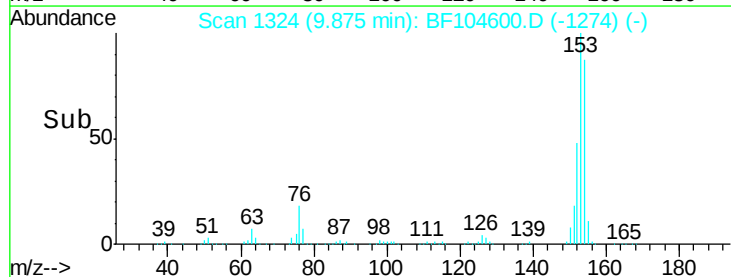
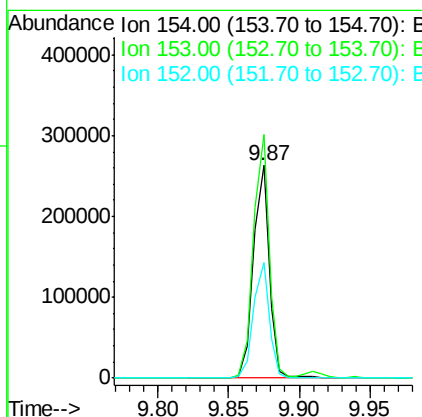
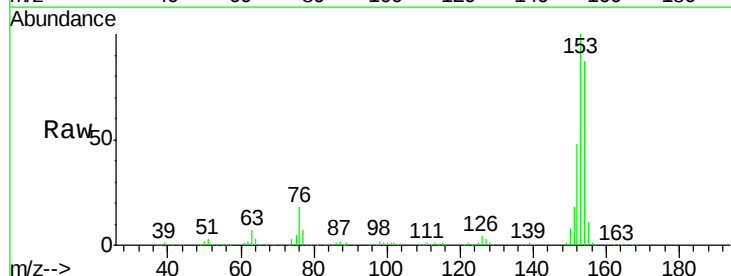
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BNA_F
ClientSampleId :

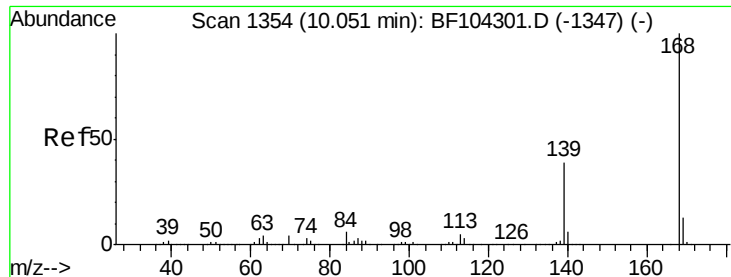
Tot Ion:163 Resp: 81964
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.5 8.2 12.2



#51
Acenaphthene
Concen: 19.104 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion:154 Resp: 210537
Ion Ratio Lower Upper
154 100
153 114.6 91.2 136.8
152 54.6 43.8 65.8

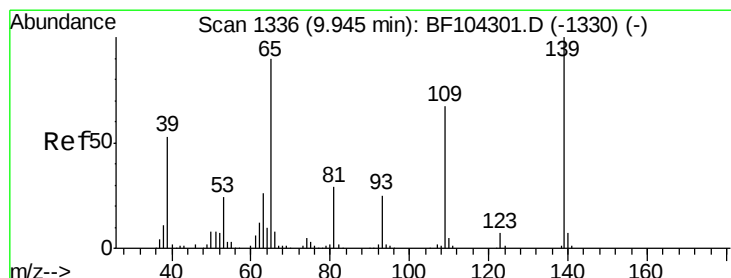
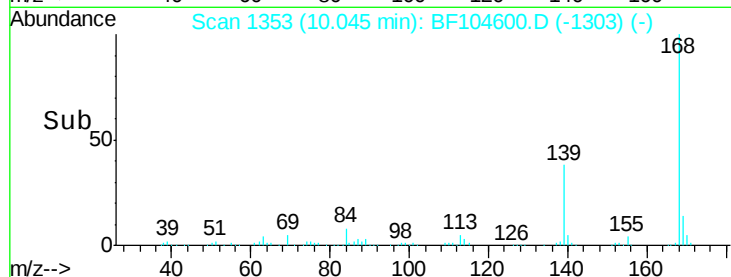
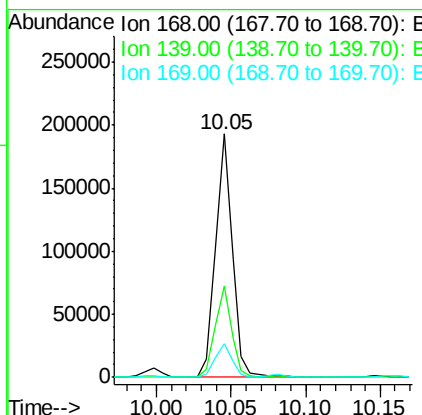
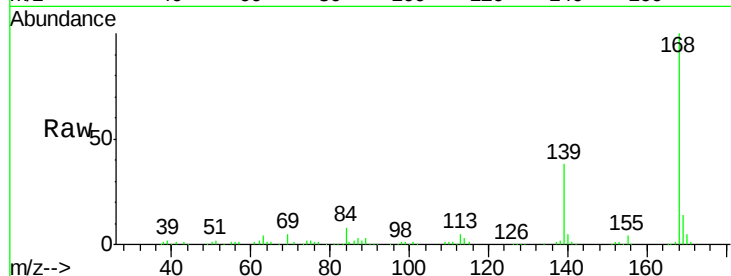




#54
Dibenzofuran
Concen: 9.939 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

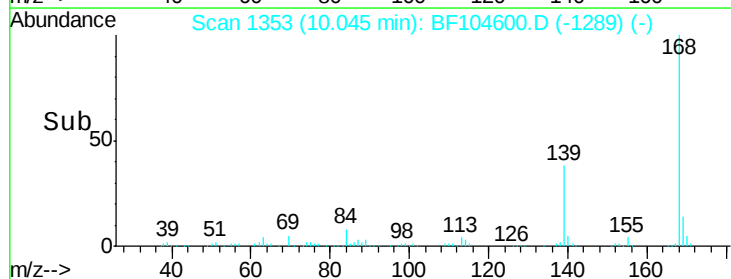
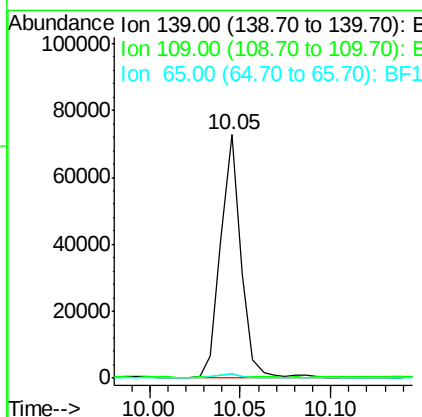
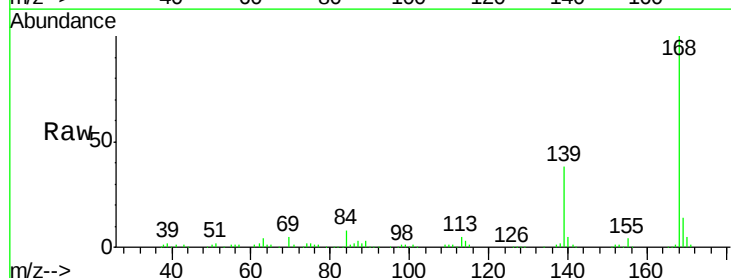
Instrument :
BNA_F
ClientSampled :

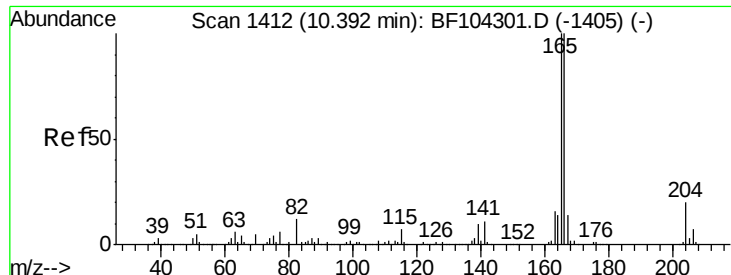
Tot Ion:168 Resp: 152640
Ion Ratio Lower Upper
168 100
139 37.7 30.1 45.1
169 14.1 10.9 16.3



#55
4-Nitrophenol
Concen: 24.612 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.08 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion:139 Resp: 57301
Ion Ratio Lower Upper
139 100
109 1.6 48.4 88.4#
65 1.7 72.6 112.6#

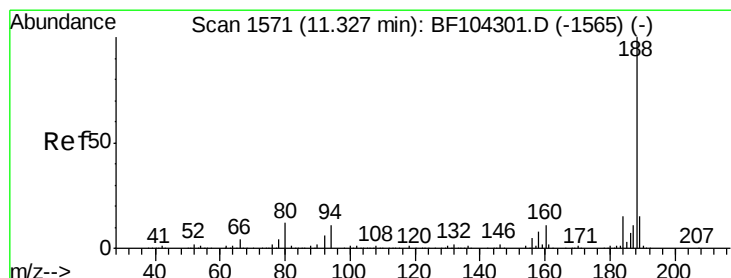
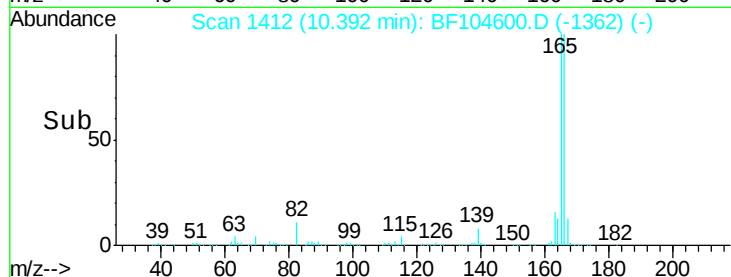
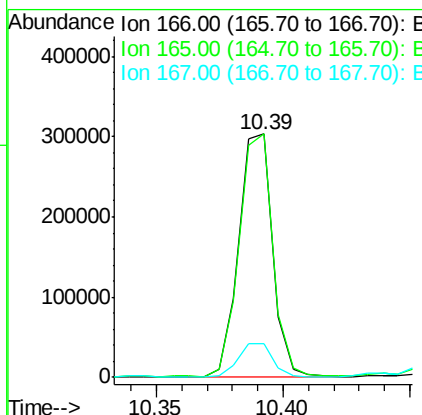
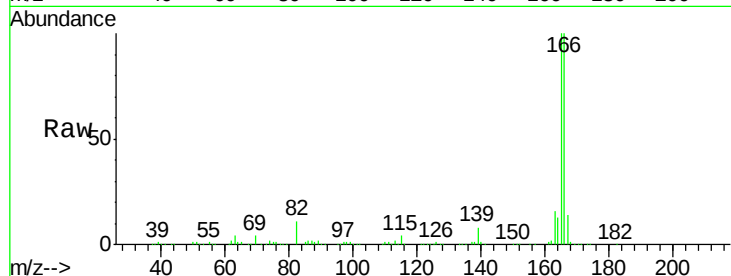




#57
 Fluorene
 Concen: 24.966 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

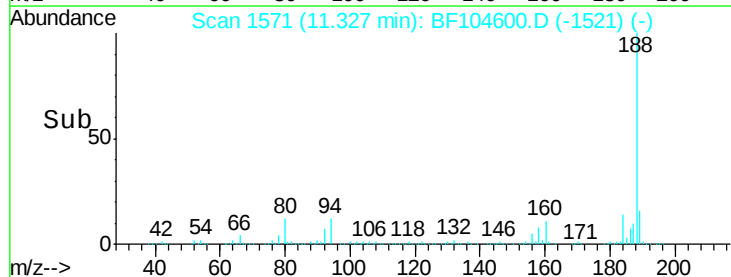
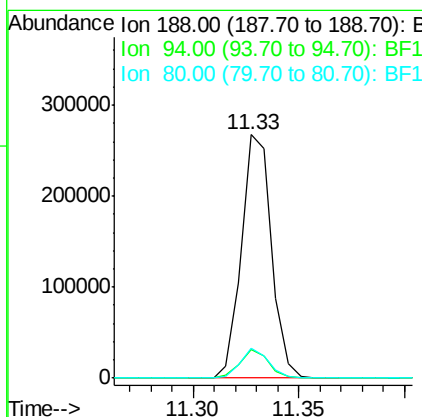
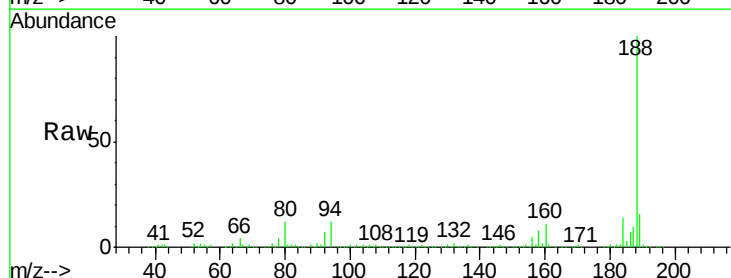
Instrument :
 BNA_F
 ClientSampleId :

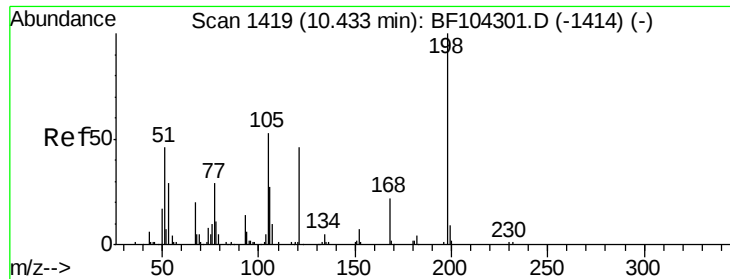
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	13.6	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.1	9.2	13.8

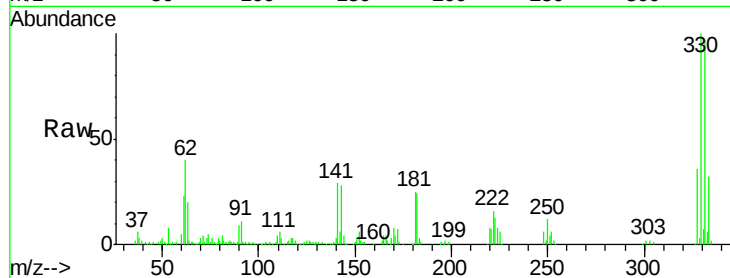




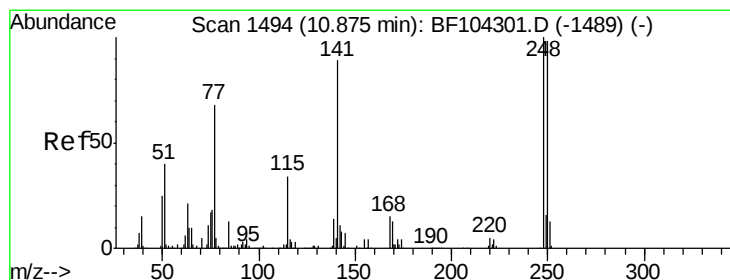
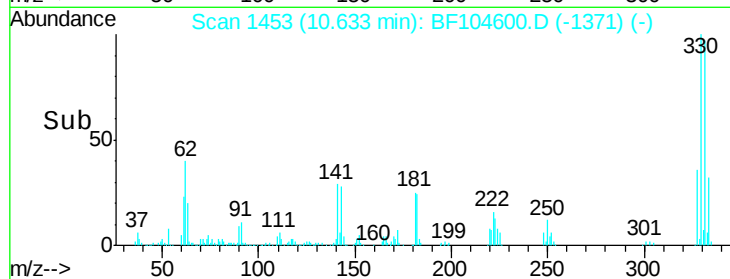
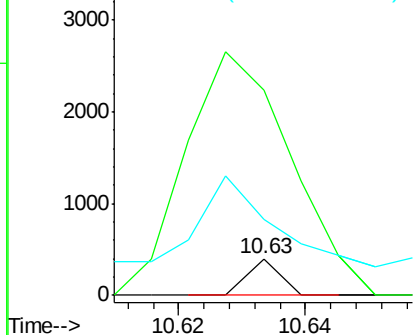
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.439 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 140
 Ion Ratio Lower Upper
 198 100
 51 561.8 37.7 77.7#
 105 207.0 36.3 76.3#

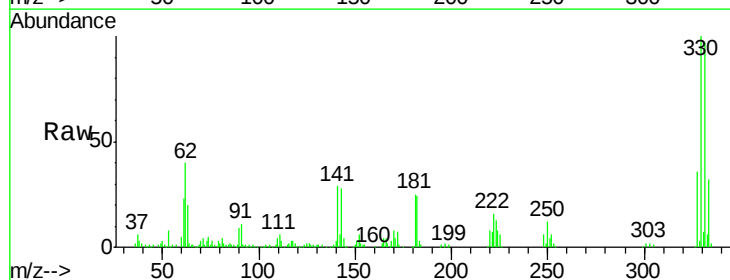


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

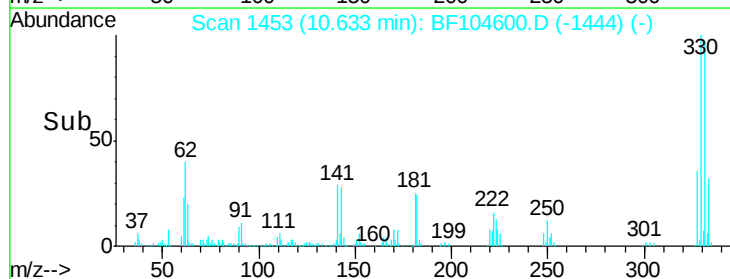
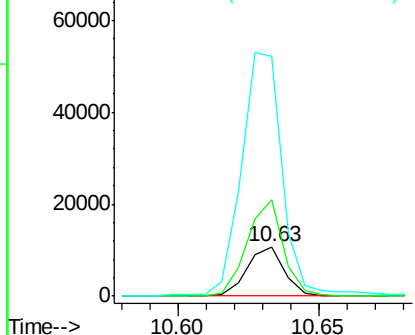


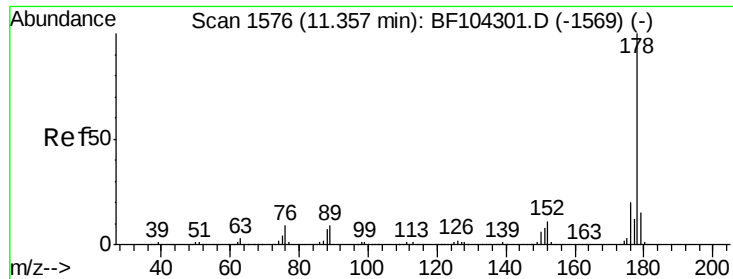
#66
 4-Bromophenyl-phenylether
 Concen: 3.489 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Tgt Ion:248 Resp: 9772
 Ion Ratio Lower Upper
 248 100
 250 195.2 76.9 115.3#
 141 487.1 74.4 111.6#



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

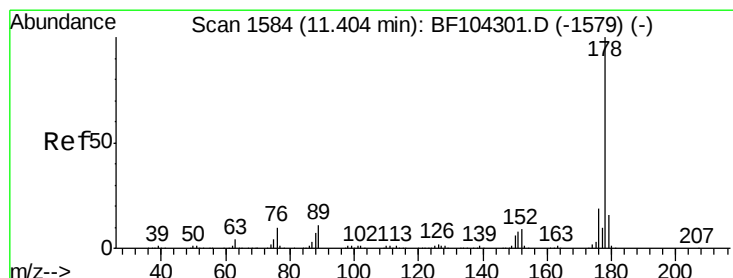
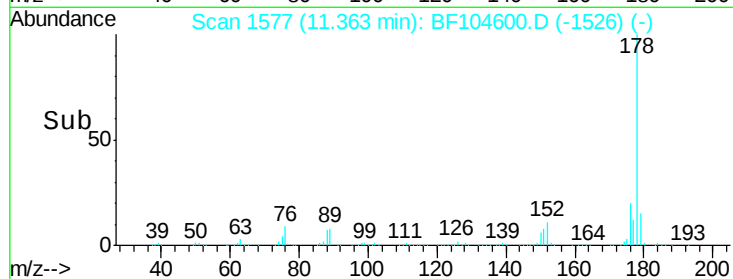
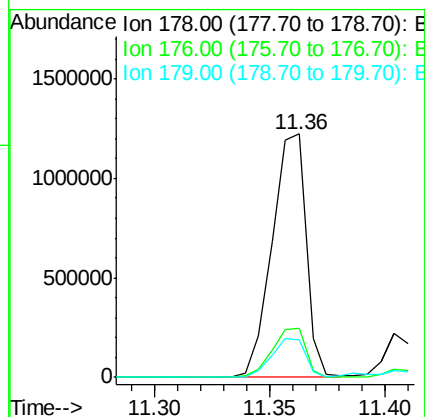
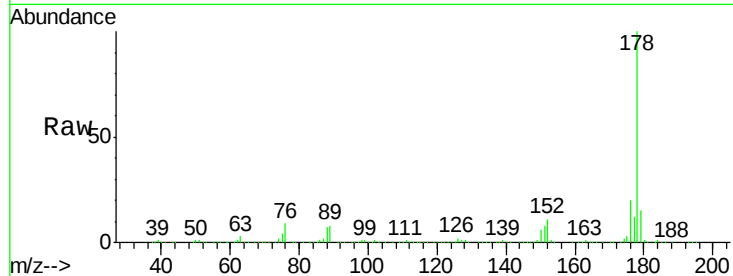




#70
Phenanthrene
Concen: 85.501 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

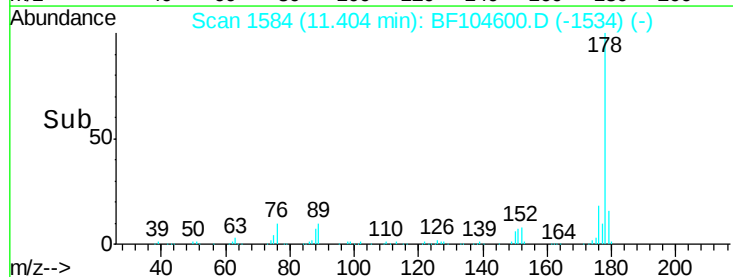
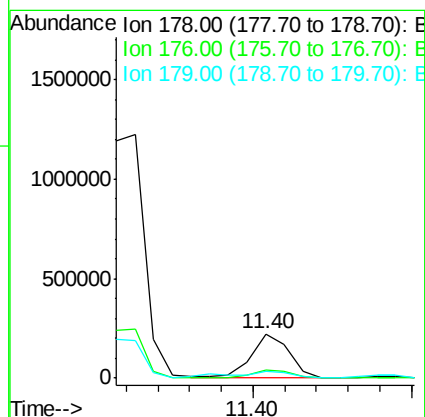
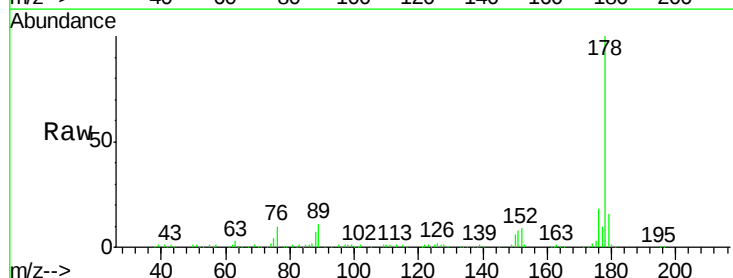
Instrument :
BNA_F
ClientSampleId :

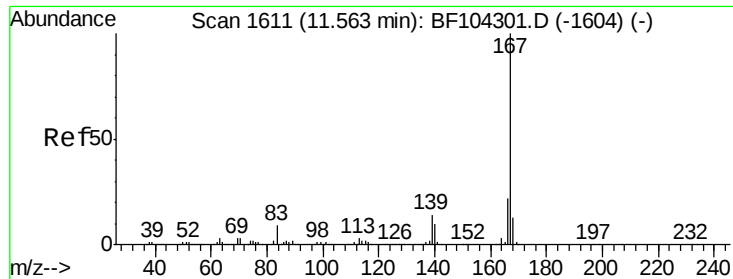
Tot Ion:178 Resp: 1253904
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 12.262 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion:178 Resp: 182791
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.9 12.6 19.0





#72

Carbazole

Concen: 2.927 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

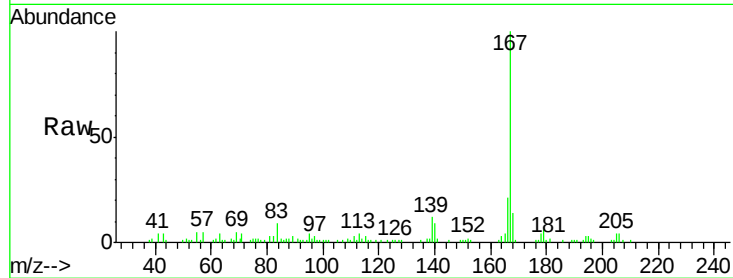
Instrument :

BNA_F

ClientSampleId :

Tot Ion:167 Resp: 42639

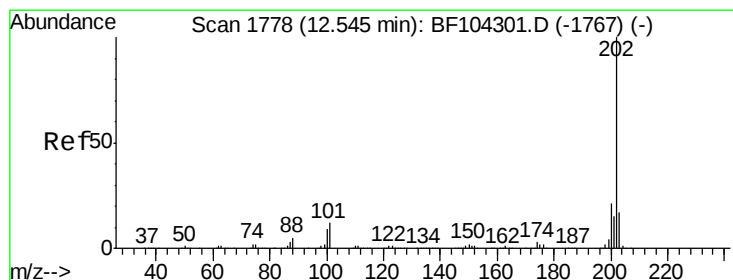
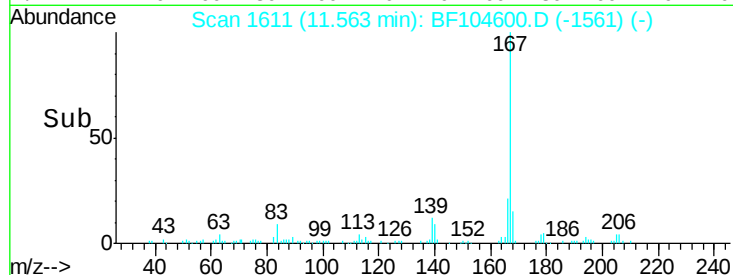
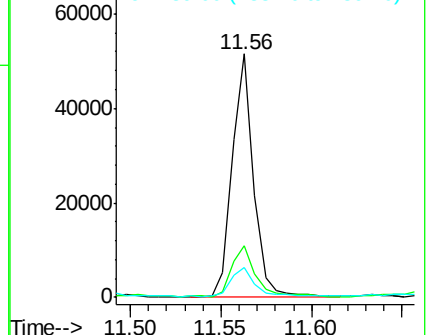
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	12.3	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 97.812 ng

RT: 12.55 min Scan# 1779

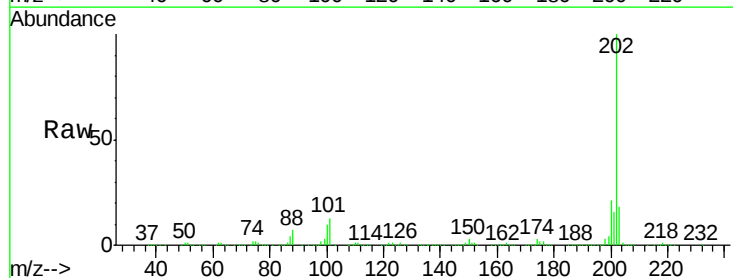
Delta R.T. -0.00 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Tgt Ion:202 Resp: 1498730

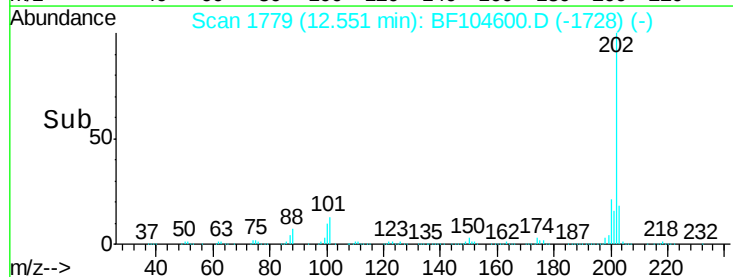
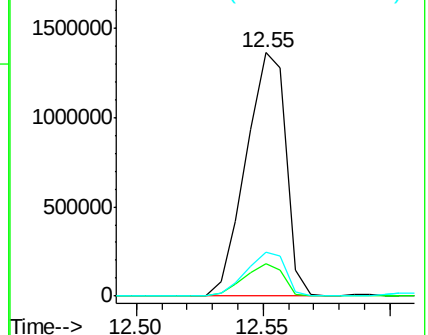
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	18.2	0.0	38.1

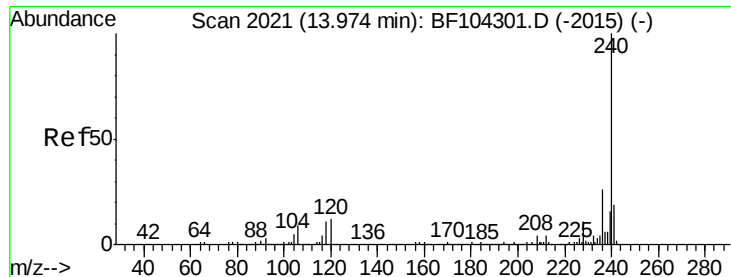


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Instrument :

BNA_F

ClientSampleId :

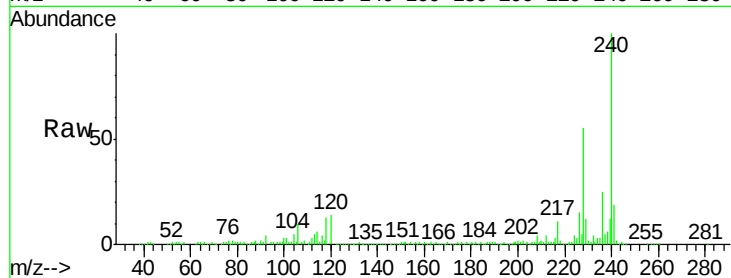
Tot Ion:240 Resp: 262297

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

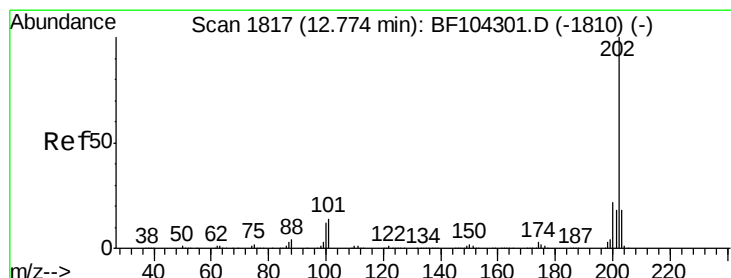
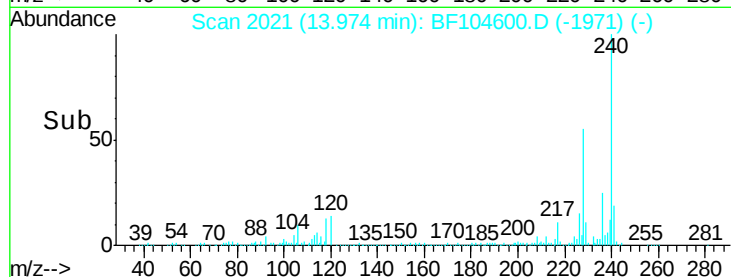
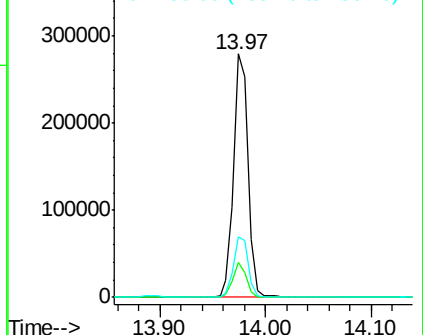
236 24.9 20.7 31.1



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: 57.488 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

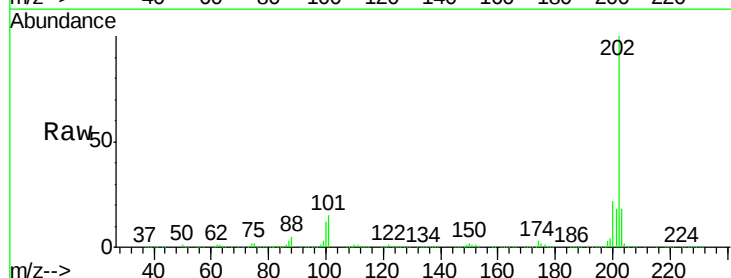
Tgt Ion:202 Resp: 1117711

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

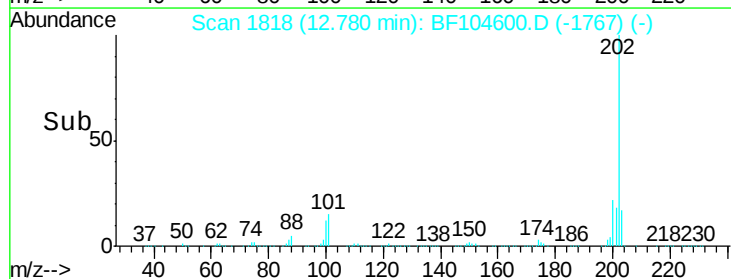
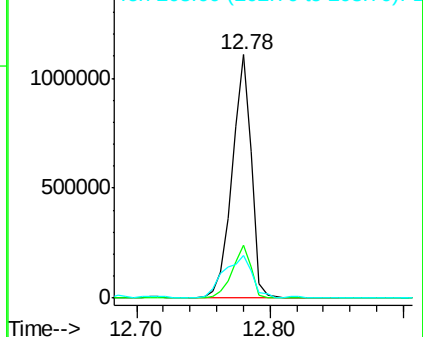
203 17.6 14.3 21.5

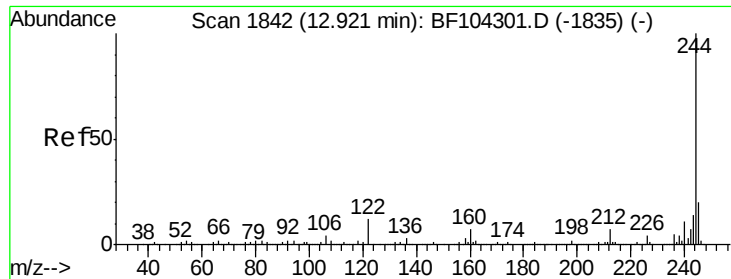


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

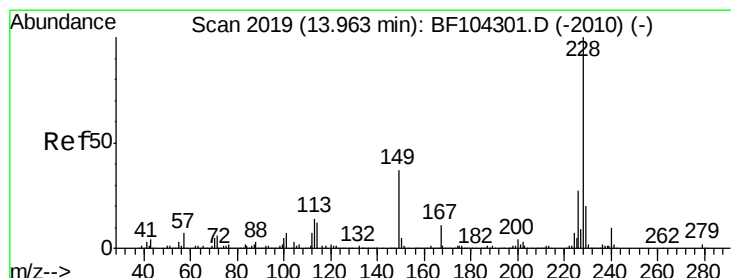
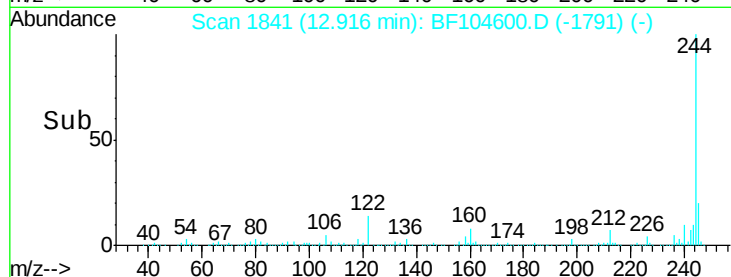
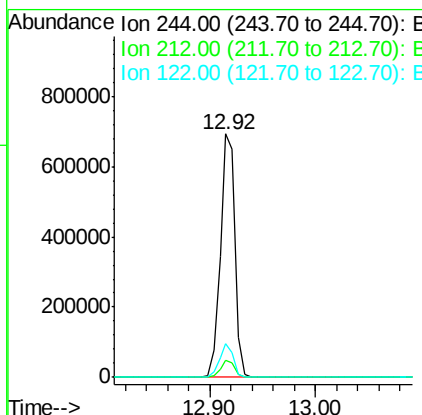
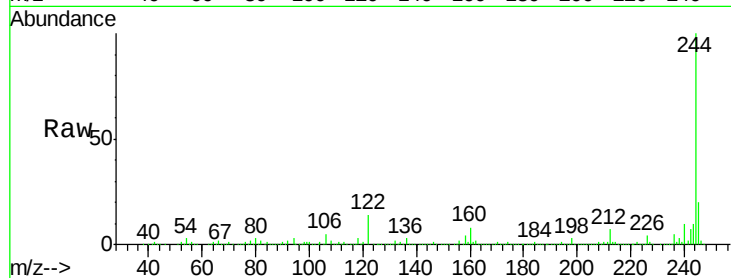




#78
 Terphenyl-d14
 Concen: 58.337 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

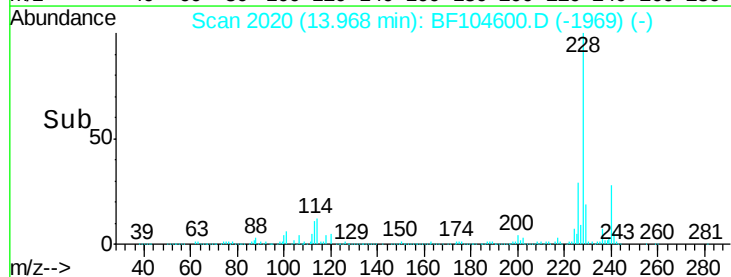
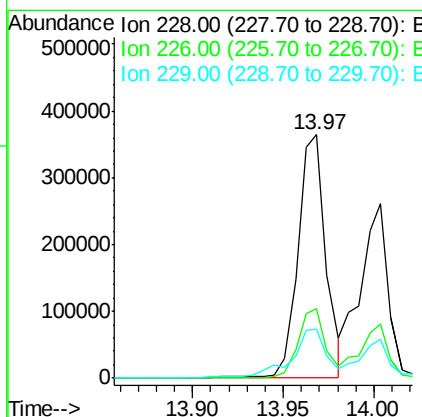
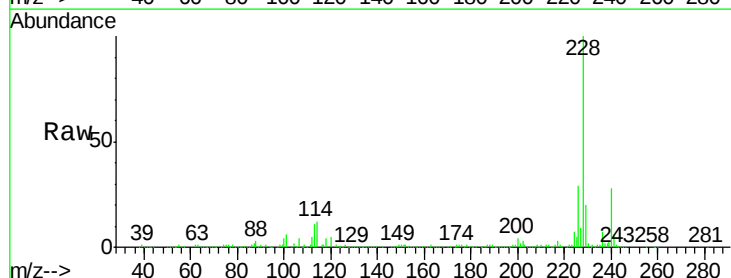
Instrument :
 BNA_F
 ClientSampled :

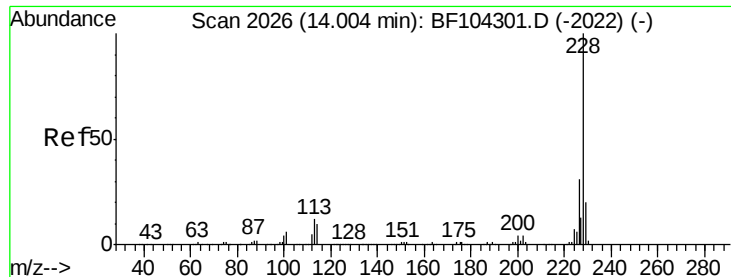
Tot Ion:244 Resp: 671177
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 25.007 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Tgt Ion:228 Resp: 391857
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 33.8
 229 19.9 15.8 23.6





#82

Chrysene

Concen: 17.456 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

Instrument :

BNA_F

ClientSampled :

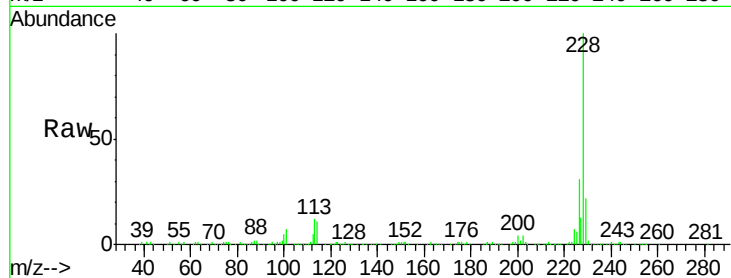
Tot Ion:228 Resp: 280966

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

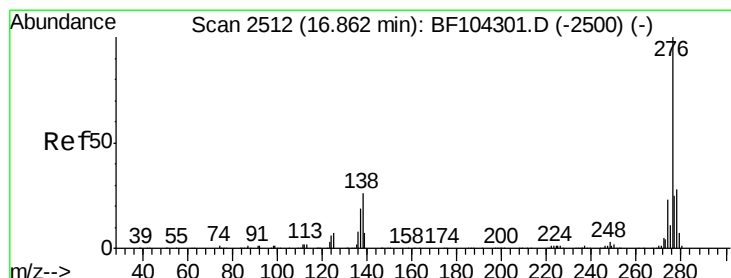
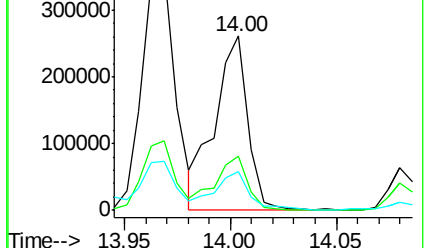
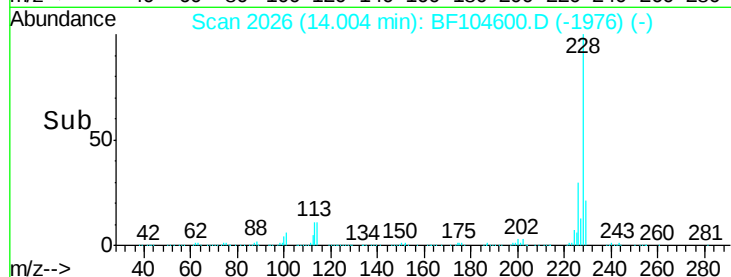
229 21.9 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.562 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF104600.D

Acq: 18 Apr 2018 14:38

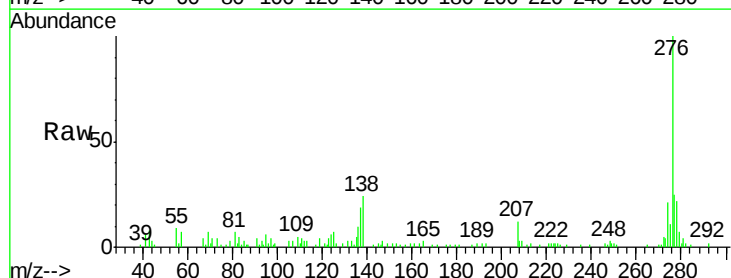
Tgt Ion:276 Resp: 48698

Ion Ratio Lower Upper

276 100

138 27.9 25.0 37.6

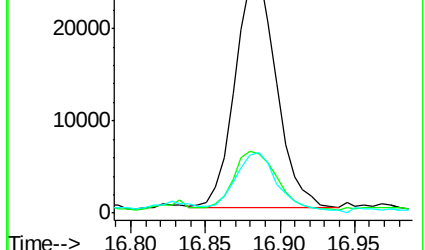
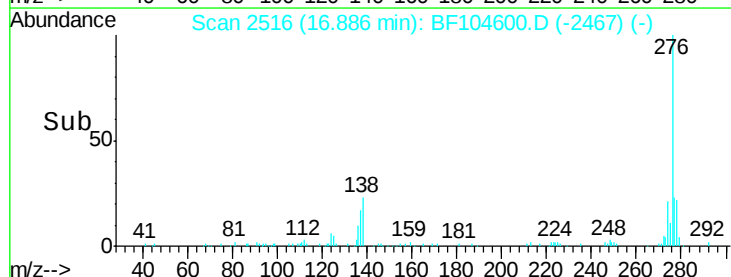
277 27.8 20.1 30.1

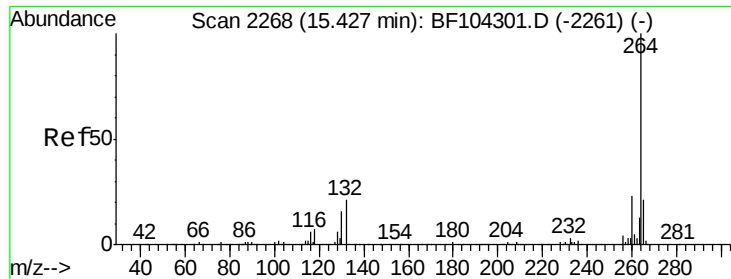


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

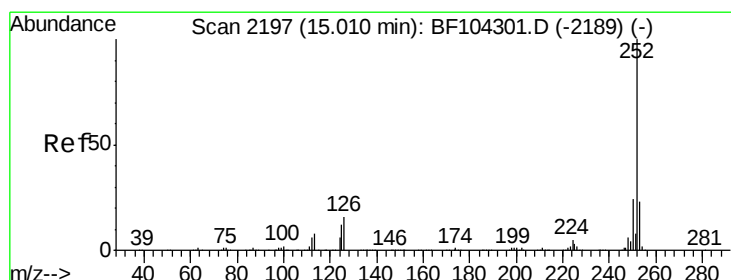
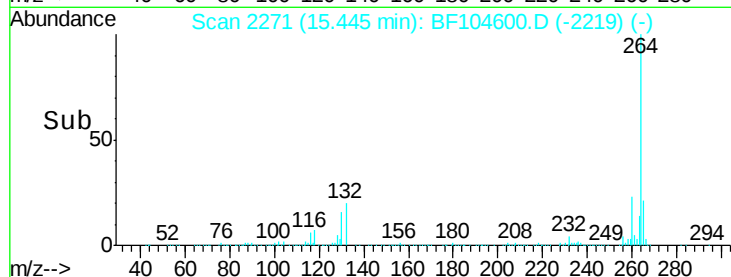
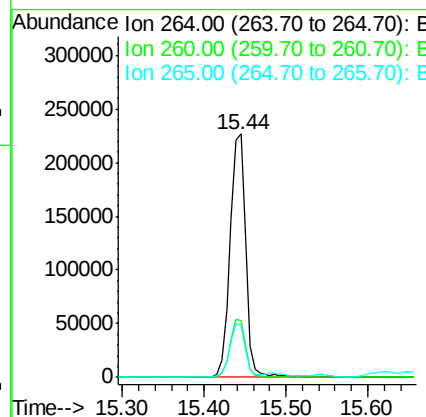
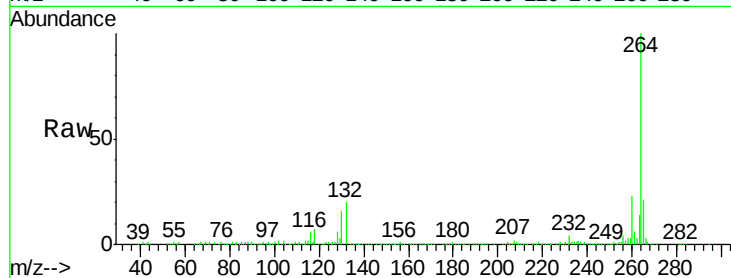




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

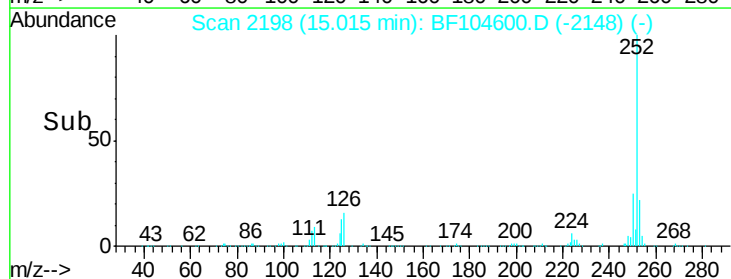
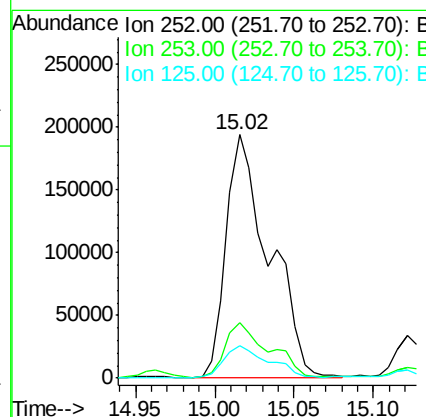
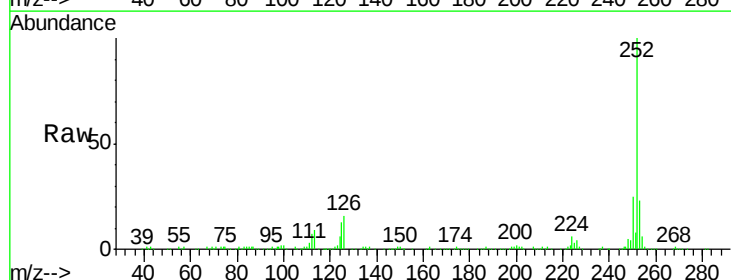
Instrument :
BNA_F
ClientSampleId :

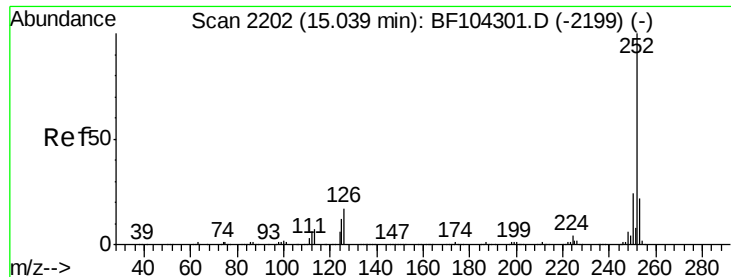
Tot Ion:264 Resp: 300587
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 19.361 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion:252 Resp: 367551
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 13.4 9.0 13.6

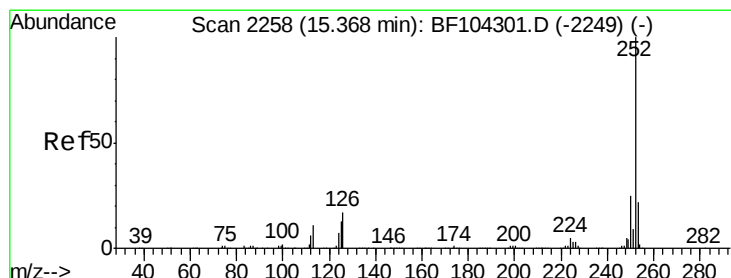
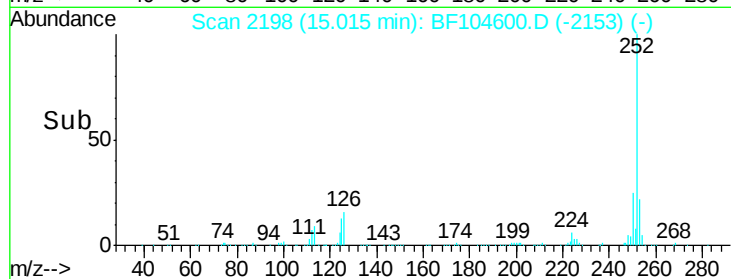
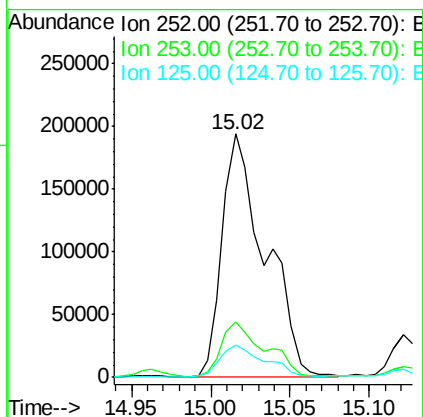
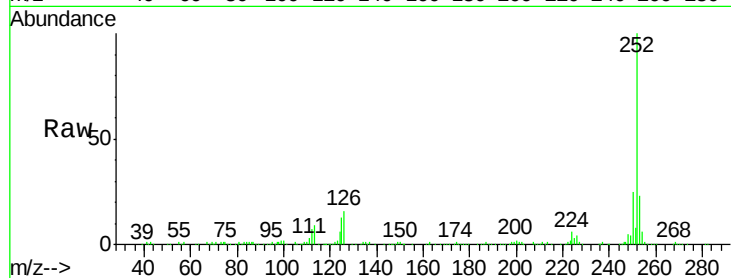




#88
Benzo(k)fluoranthene
Concen: 20.507 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

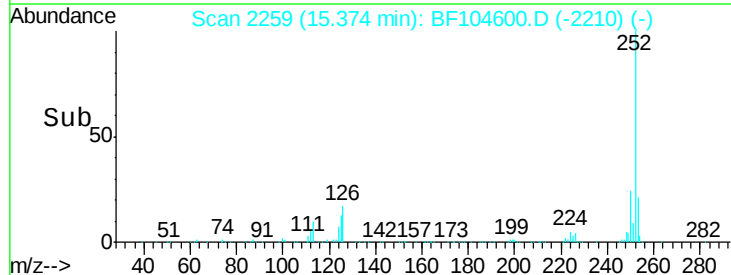
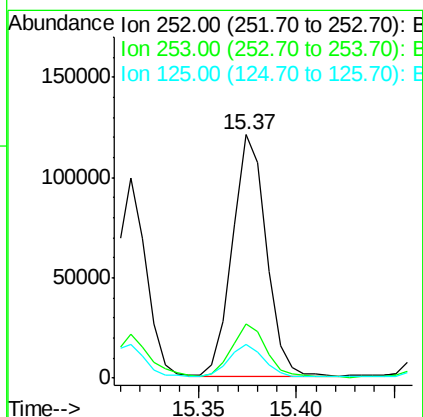
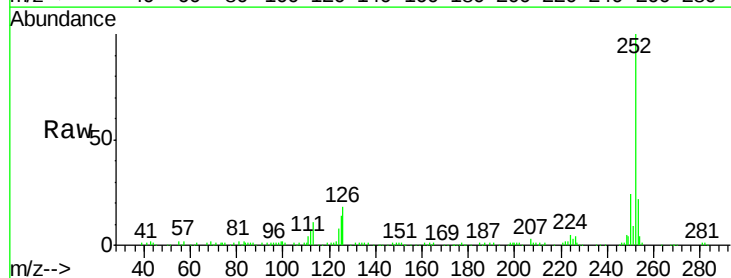
Instrument :
BNA_F
ClientSampled :

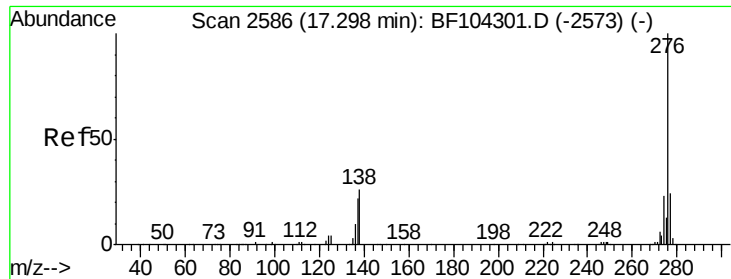
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.648 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104600.D
Acq: 18 Apr 2018 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	14.0	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.008 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.02 min
 Lab File: BF104600.D
 Acq: 18 Apr 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	27.3	21.8	32.8

