

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104616.D
 Acq On : 18 Apr 2018 22:37
 Operator : JU/SJ
 Sample : J2423-01DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 01:17:28 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	127750	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	497761	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	205907	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	307421	20.00	ng	0.00
75) Chrysene-d12	13.97	240	272222	20.00	ng	0.00
86) Perylene-d12	15.43	264	273865	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	409267	48.99	ng	0.00
7) Phenol-d6	6.43	99	482851	47.04	ng	0.00
23) Nitrobenzene-d5	7.36	82	286494	37.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	92204	43.17	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	535164	41.06	ng	-0.01
78) Terphenyl-d14	12.92	244	395628	33.13	ng	0.00

Target Compounds

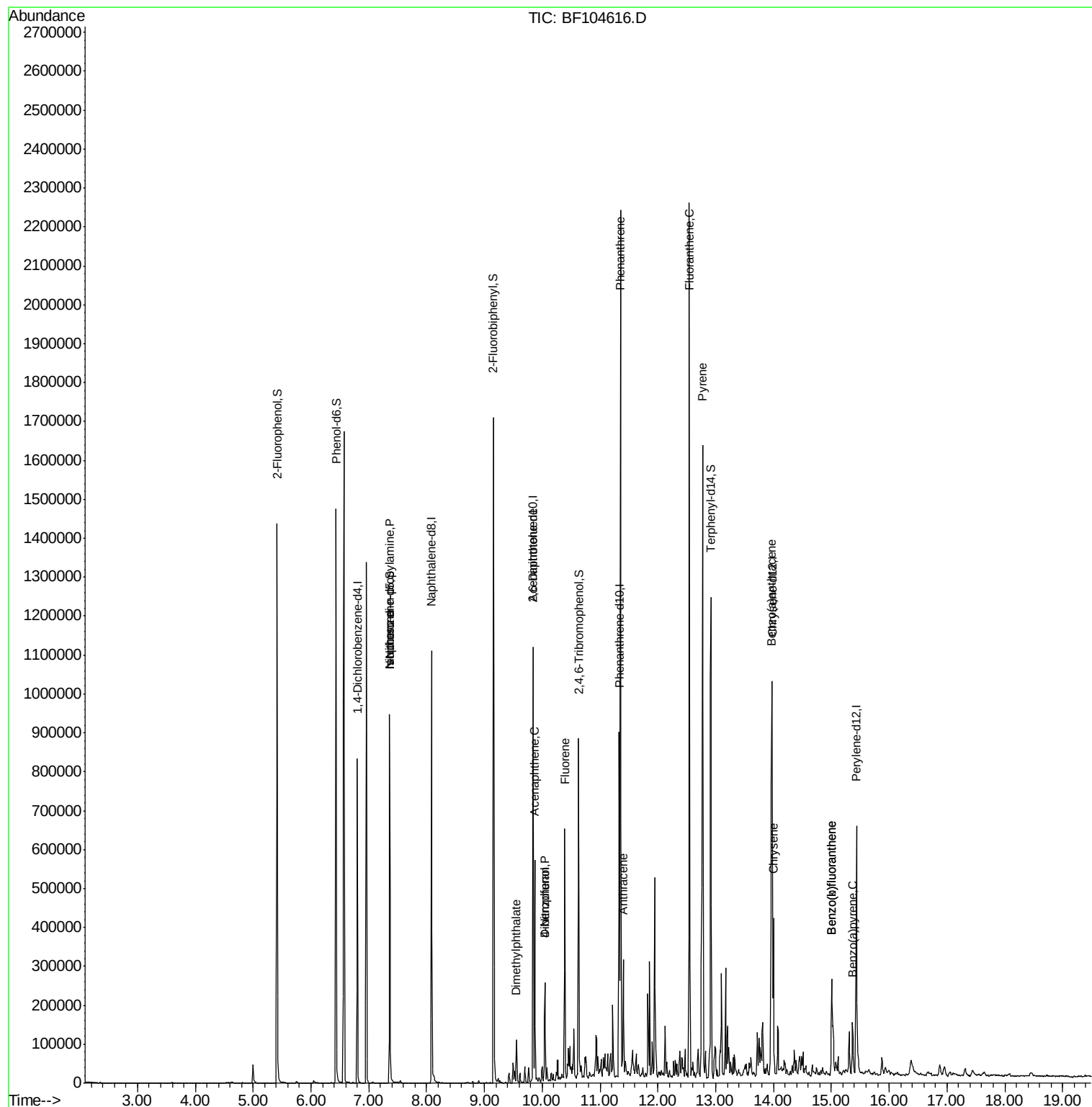
						Qvalue
9) Benzaldehyde	6.57	77	8724	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.36	70	36419	5.429 ng	#	72
25) Isophorone	7.36	82	286492	17.773 ng	#	64
49) Dimethylphthalate	9.55	163	46879	2.887 ng		98
50) 2,6-Dinitrotoluene	9.84	165	25832	8.598 ng	#	25
51) Acenaphthene	9.87	154	126136	9.644 ng		97
54) Dibenzofuran	10.05	168	89826	4.928 ng		99
55) 4-Nitrophenol	10.05	139	33750	12.215 ng	#	10
57) Fluorene	10.39	166	171940	12.960 ng		99
70) Phenanthrene	11.36	178	814005	47.547 ng		98
71) Anthracene	11.40	178	107024	6.150 ng		97
74) Fluoranthene	12.54	202	925635	51.749 ng		99
76) Benzidine	12.67	184	731	Below Cal	#	66
77) Pyrene	12.77	202	644608	31.946 ng		99
80) Benzo(a)anthracene	13.96	228	213656	13.138 ng		99
82) Chrysene	14.00	228	135107	8.088 ng		97
87) Benzo(b)fluoranthene	15.01	252	175276	10.133 ng		97
88) Benzo(k)fluoranthene	15.01	252	175276	10.734 ng		99
89) Benzo(a)pyrene	15.37	252	62779	4.056 ng		98

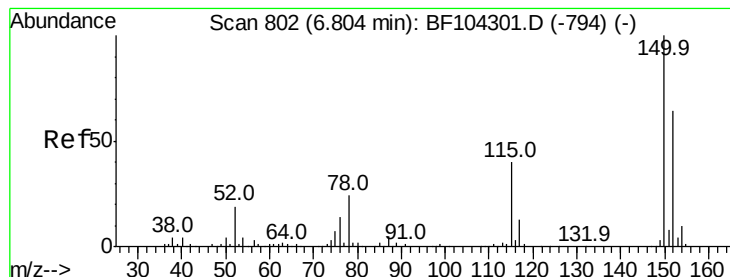
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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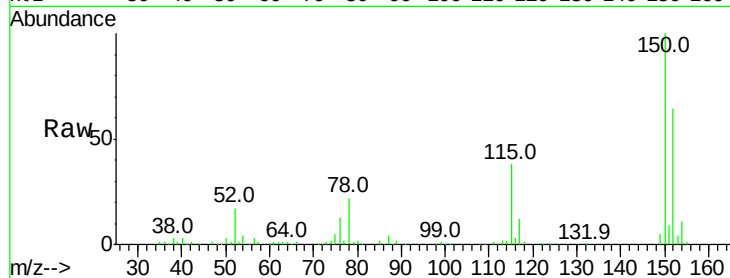


#1

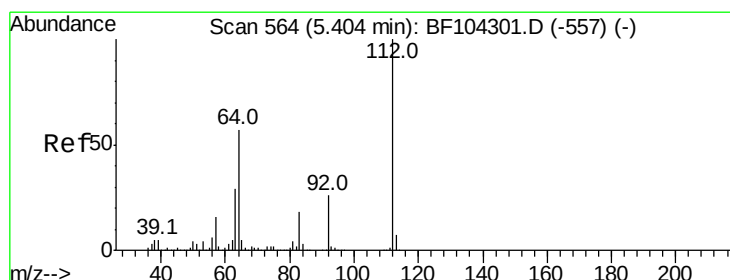
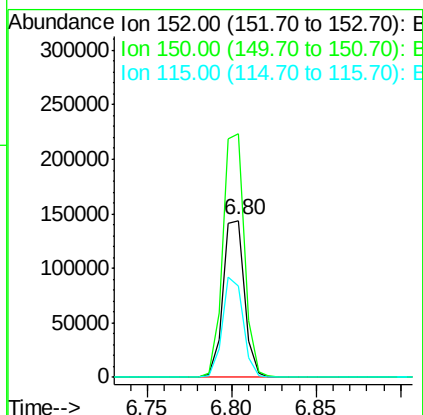
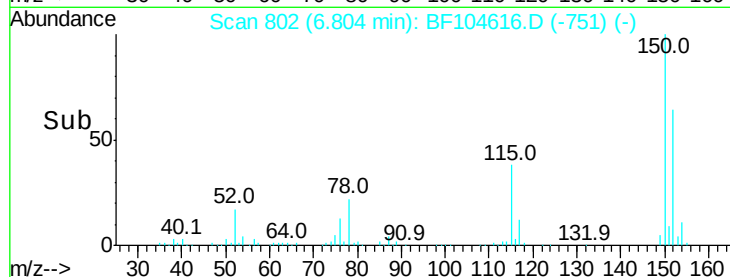
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104616.D
Acq: 18 Apr 2018 22:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127750
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 58.5 50.1 75.1



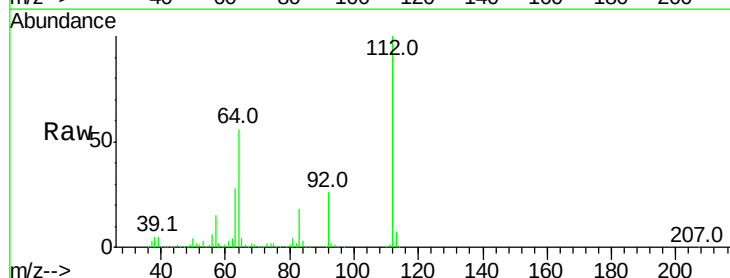
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



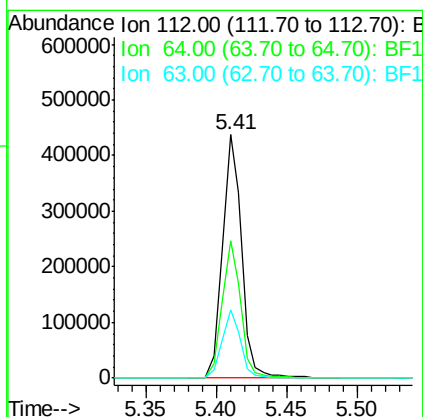
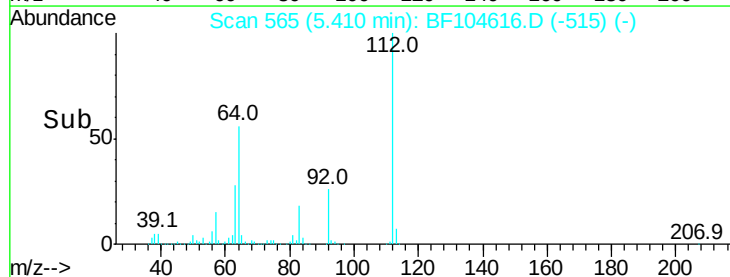
#5

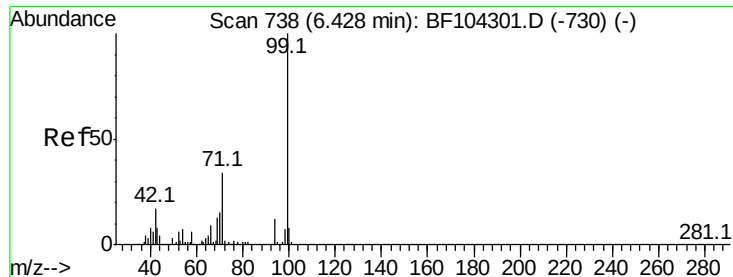
2-Fluorophenol
Concen: 48.986 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104616.D
Acq: 18 Apr 2018 22:37

Tgt Ion:112 Resp: 409267
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 28.0 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: 47.037 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

Instrument :

BNA_F

ClientSampleId :

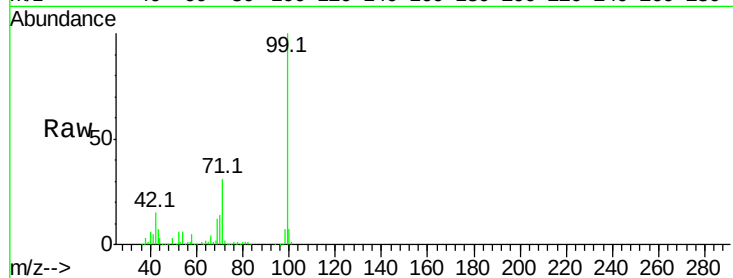
Tot Ion: 99 Resp: 482851

Ion Ratio Lower Upper

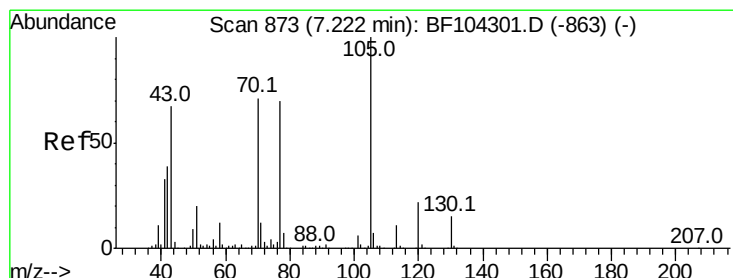
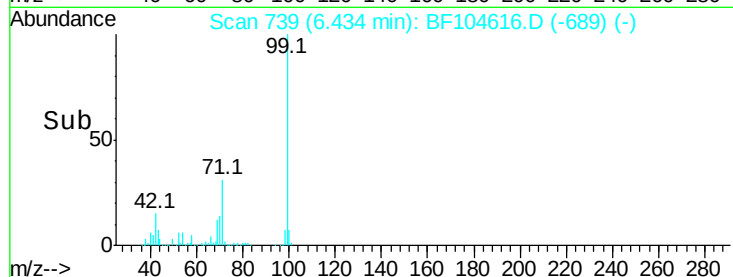
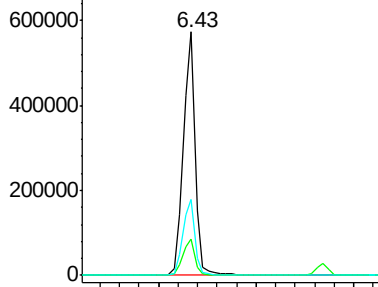
99 100

42 14.7 14.5 21.7

71 31.2 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: 5.429 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

Tgt Ion: 70 Resp: 36419

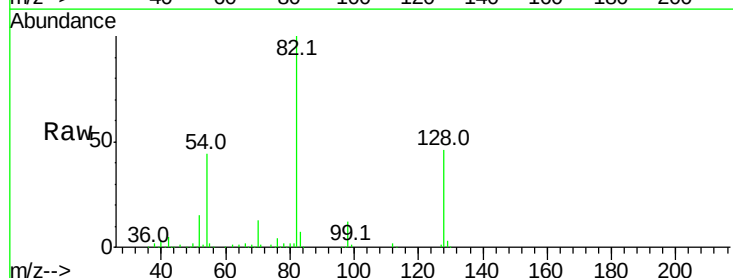
Ion Ratio Lower Upper

70 100

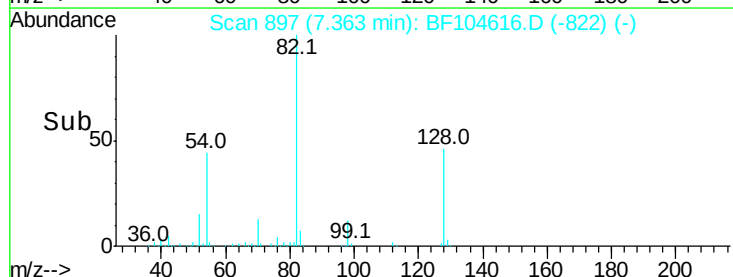
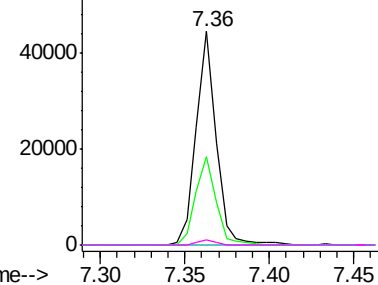
42 41.5 47.5 71.3#

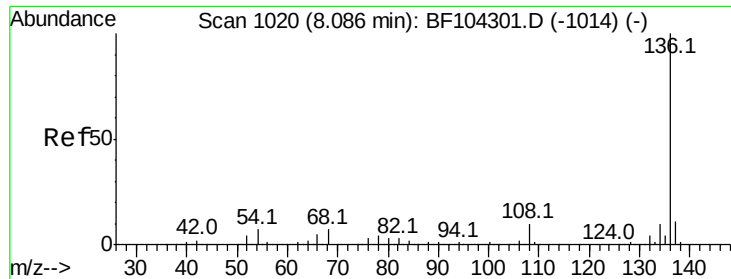
101 0.0 7.4 11.2#

130 2.4 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

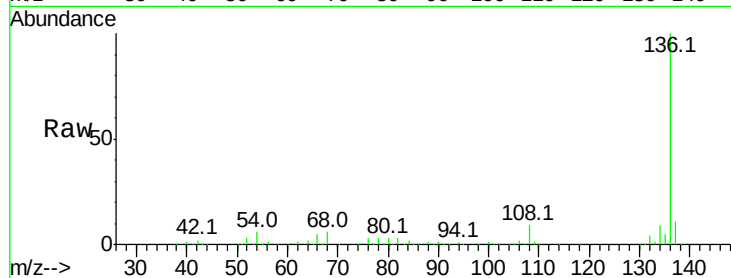




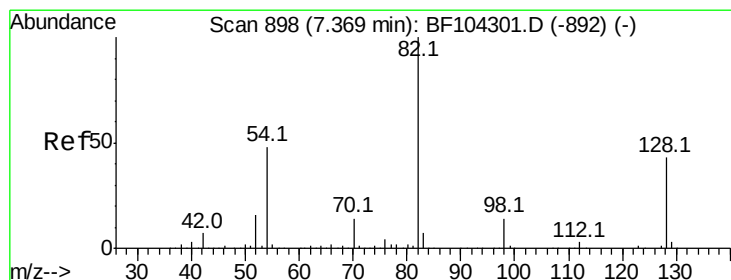
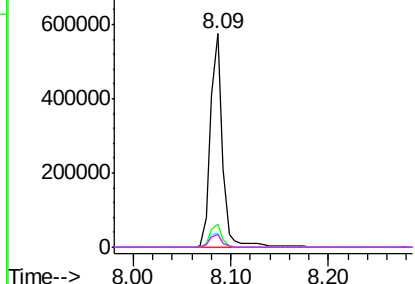
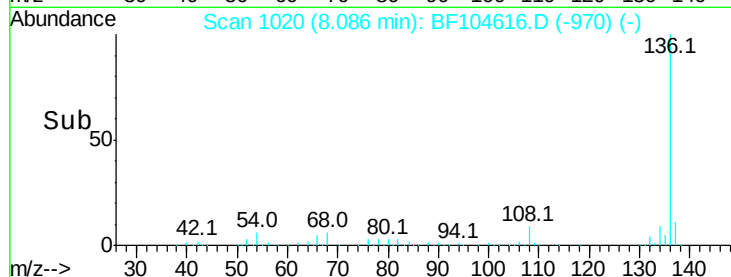
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104616.D
Acq: 18 Apr 2018 22:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	497761
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	6.6	9.8#
68	6.0	5.0	7.4

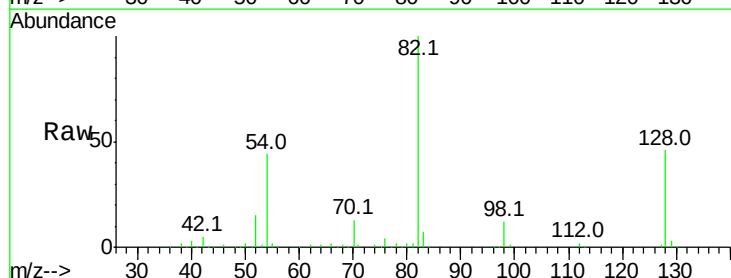


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

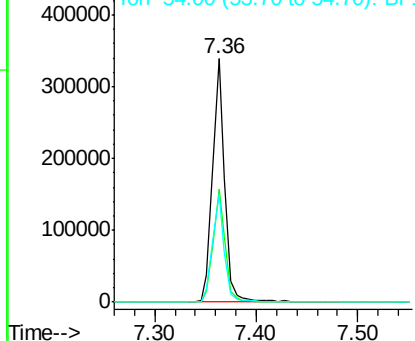
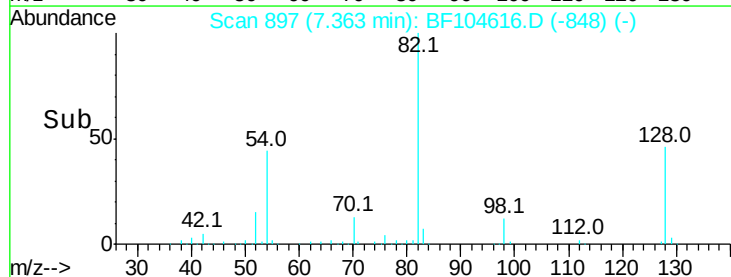


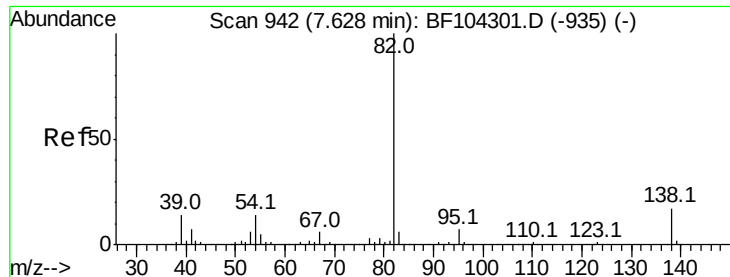
#23
Nitrobenzene-d5
Concen: 37.583 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104616.D
Acq: 18 Apr 2018 22:37

Tgt Ion:	82	Resp:	286494
Ion	Ratio	Lower	Upper
82	100		
128	46.3	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: 17.773 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

Instrument :

BNA_F

ClientSampleId :

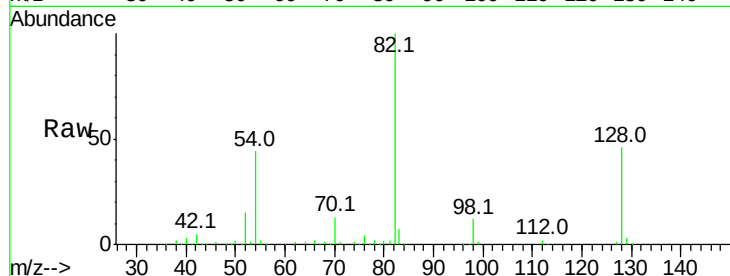
Tot Ion: 82 Resp: 286492

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

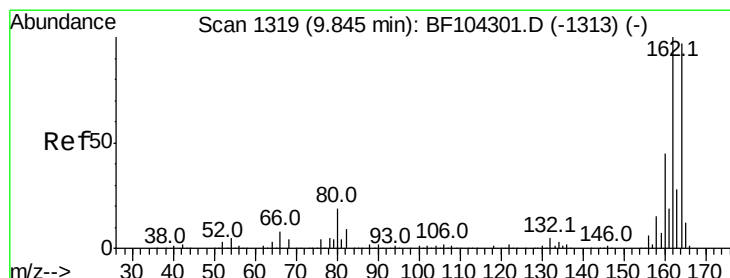
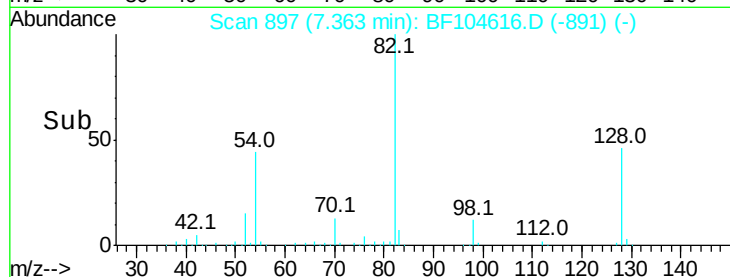
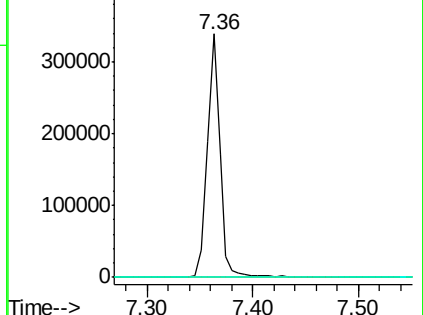
138 0.0 14.9 22.3#



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: BF104616.D

Acq: 18 Apr 2018 22:37

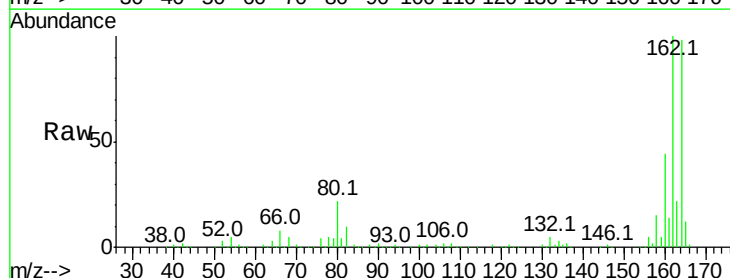
Tgt Ion:164 Resp: 205907

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

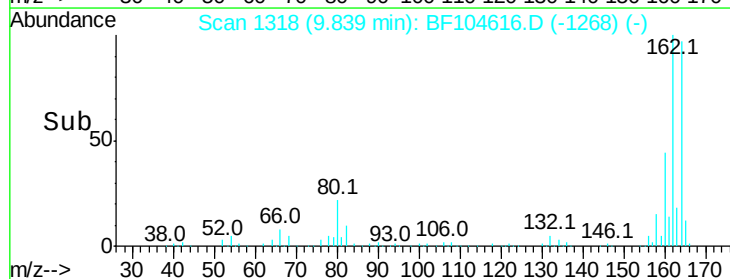
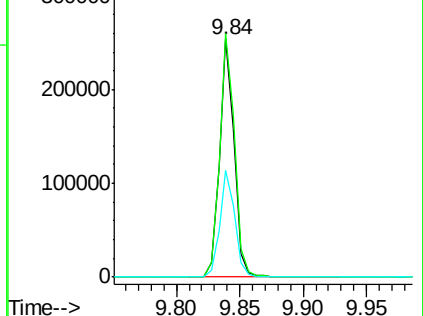
160 44.8 38.3 57.5

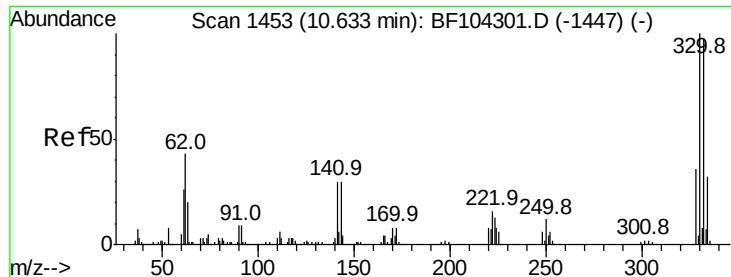


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

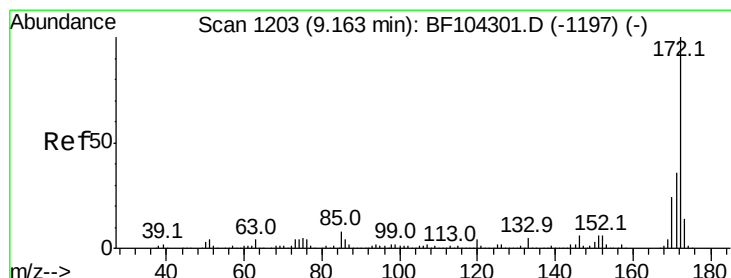
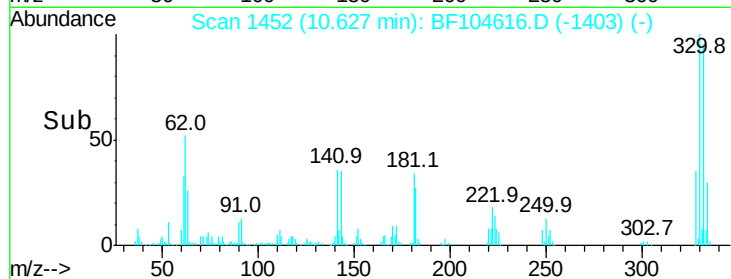
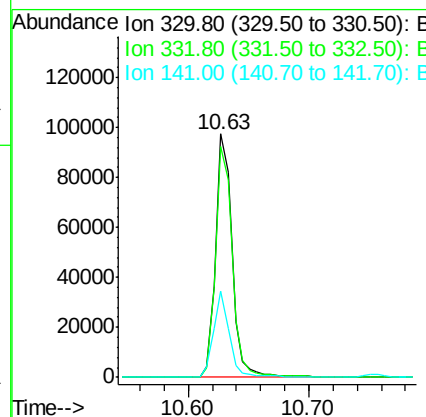
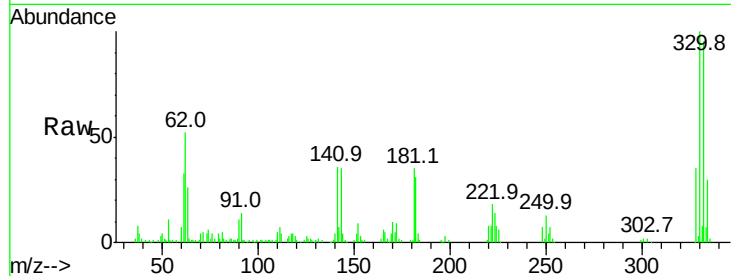




#41
 2,4,6-Tribromophenol
 Concen: 43.168 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104616.D
 Acq: 18 Apr 2018 22:37

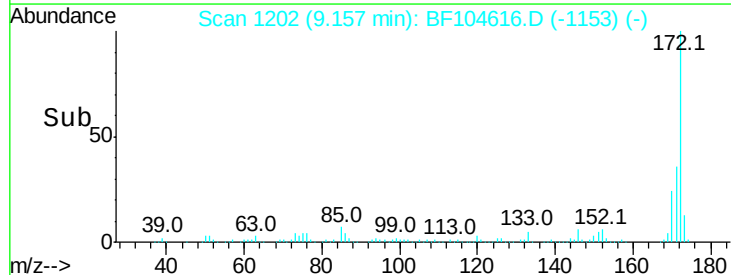
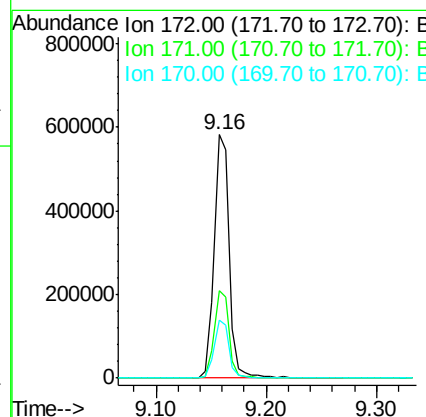
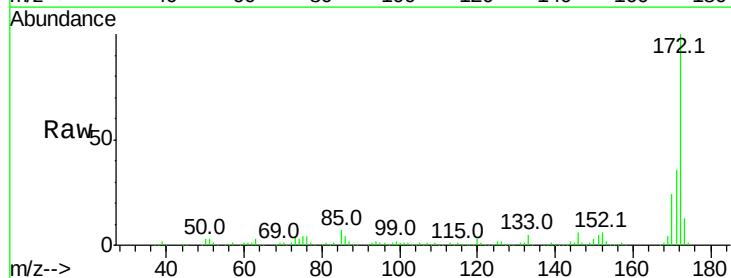
Instrument :
 BNA_F
 ClientSampleId :

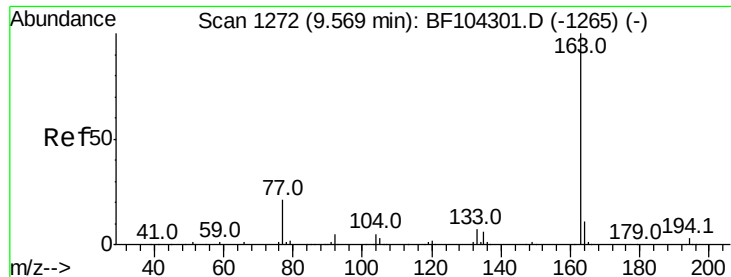
Tot Ion:330 Resp: 92204
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 33.8 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 41.059 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104616.D
 Acq: 18 Apr 2018 22:37

Tgt Ion:172 Resp: 535164
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.8 19.6 29.4

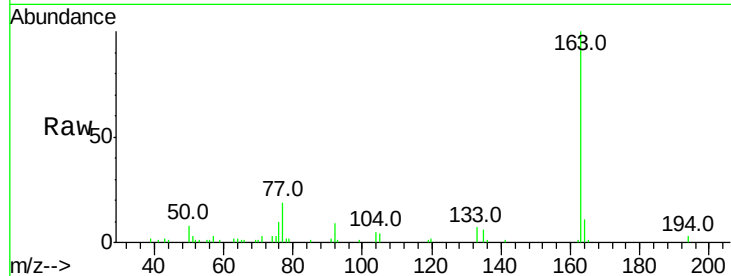




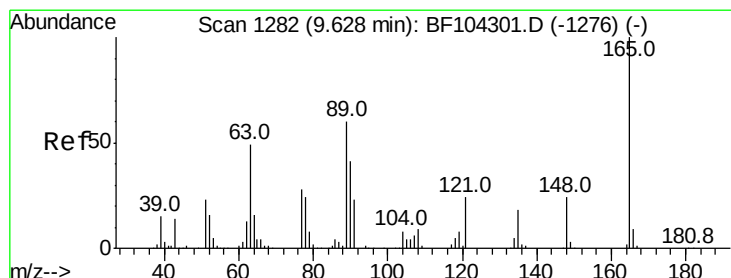
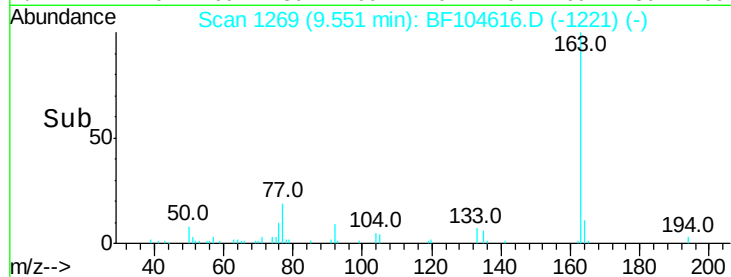
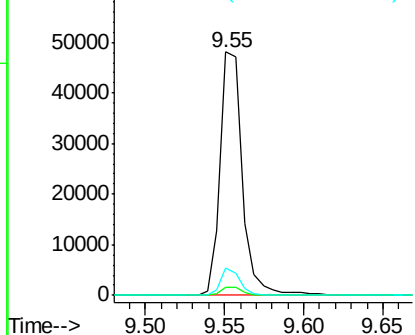
#49
Dimethylphthalate
Concen: 2.887 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104616.D
Acq: 18 Apr 2018 22:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 46879
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 11.1 8.2 12.2

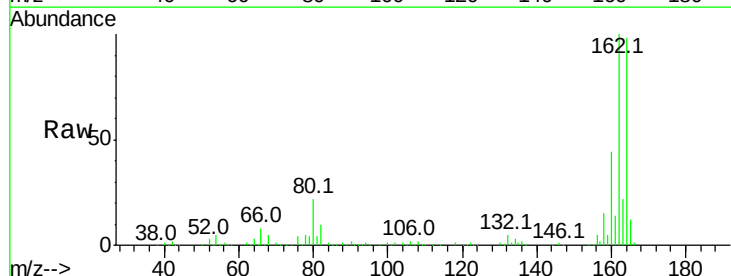


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

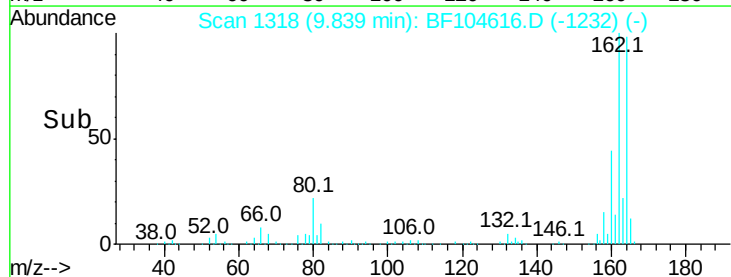
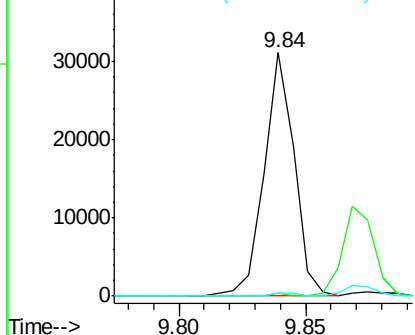


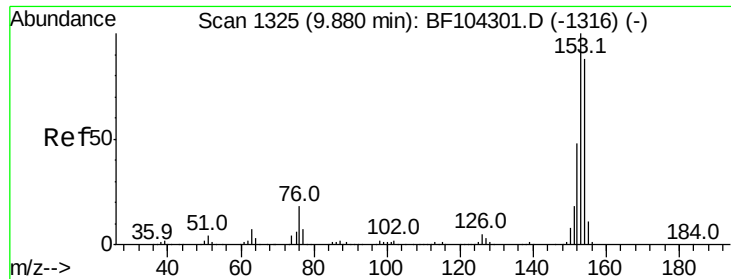
#50
2,6-Dinitrotoluene
Concen: 8.598 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104616.D
Acq: 18 Apr 2018 22:37

Tgt Ion:165 Resp: 25832
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.2 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





#51

Acenaphthene

Concen: 9.644 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

Instrument :

BNA_F

ClientSampleId :

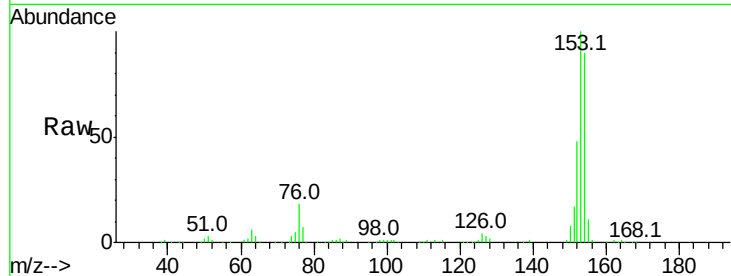
Tot Ion:154 Resp: 126136

Ion Ratio Lower Upper

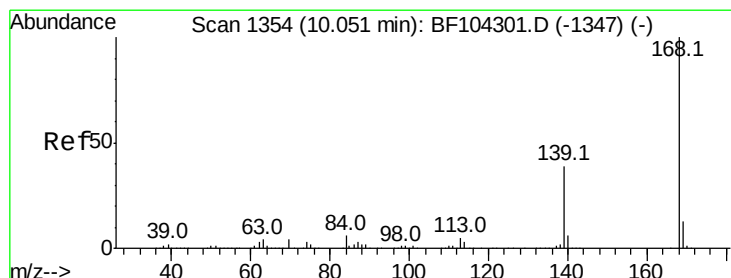
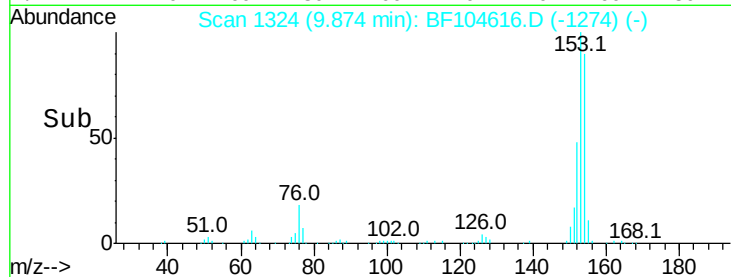
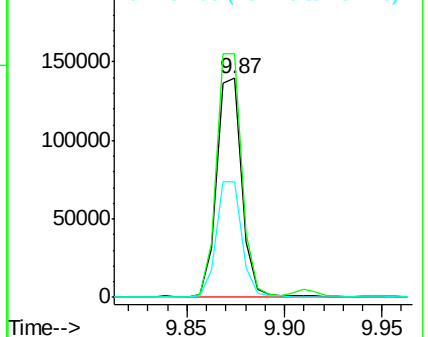
154 100

153 111.0 91.2 136.8

152 52.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.928 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

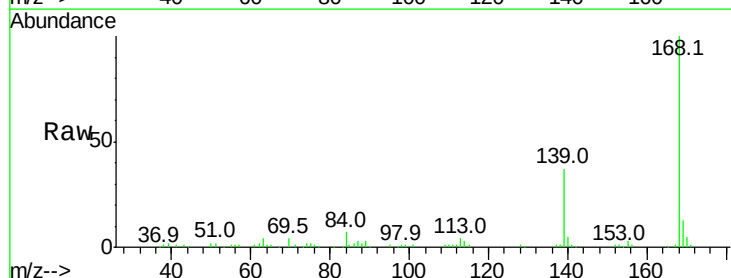
Tgt Ion:168 Resp: 89826

Ion Ratio Lower Upper

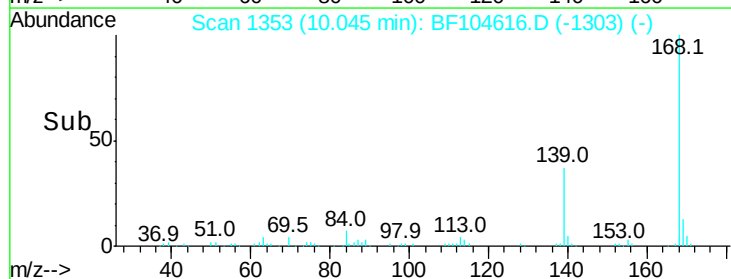
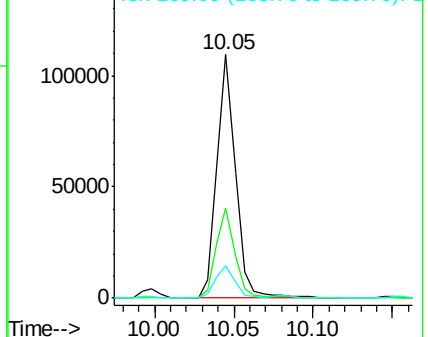
168 100

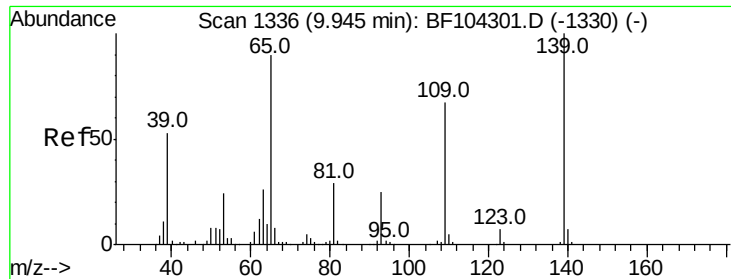
139 36.9 30.1 45.1

169 13.2 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 12.215 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.08 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

Instrument :

BNA_F

ClientSampled :

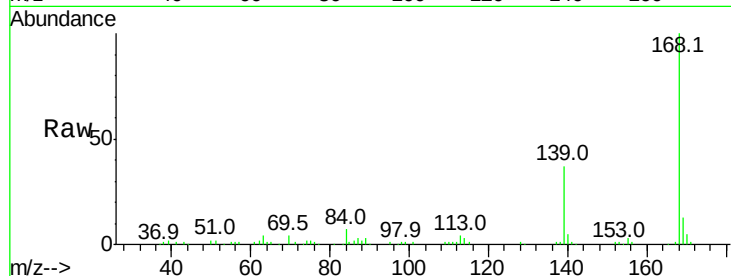
Tot Ion:139 Resp: 33750

Ion Ratio Lower Upper

139 100

109 1.9 48.4 88.4#

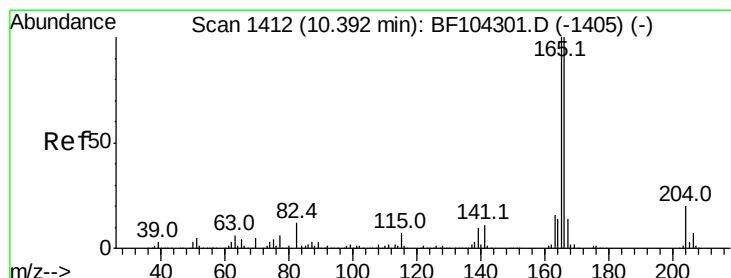
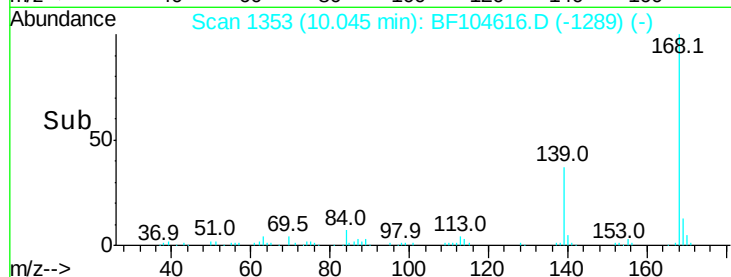
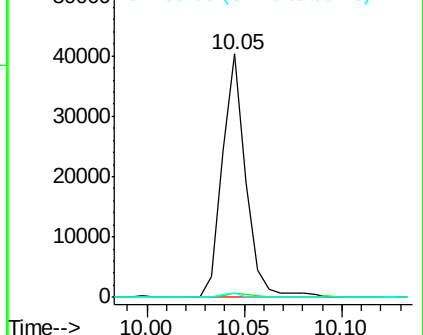
65 1.6 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

Fluorene

Concen: 12.960 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

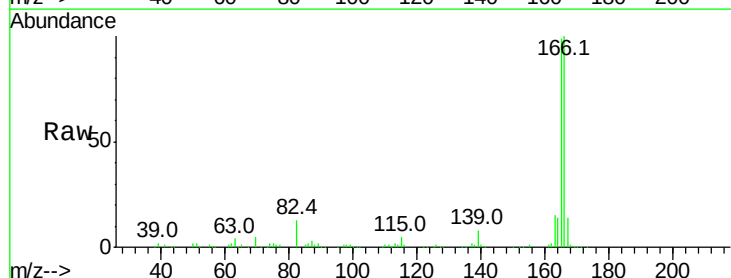
Tgt Ion:166 Resp: 171940

Ion Ratio Lower Upper

166 100

165 98.7 79.8 119.8

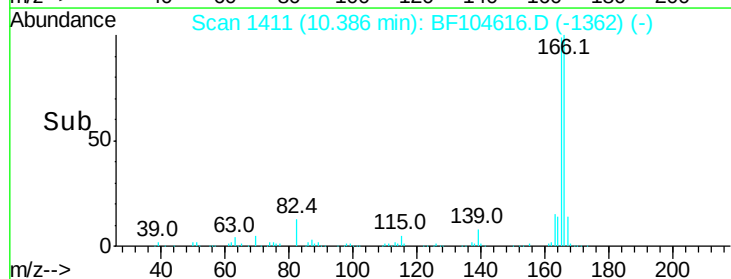
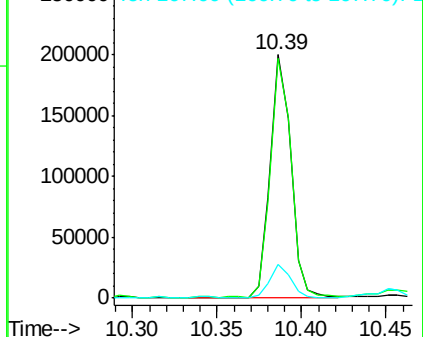
167 13.8 10.6 16.0

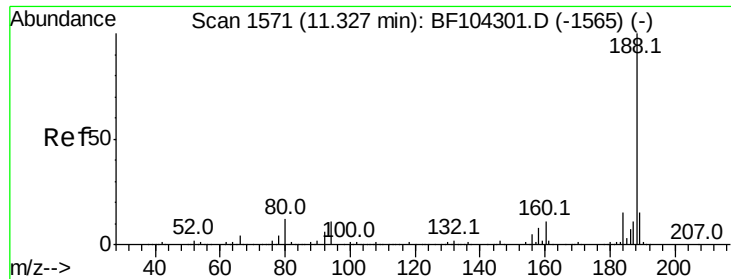


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

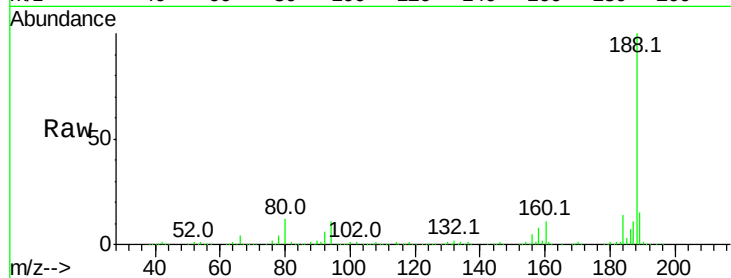




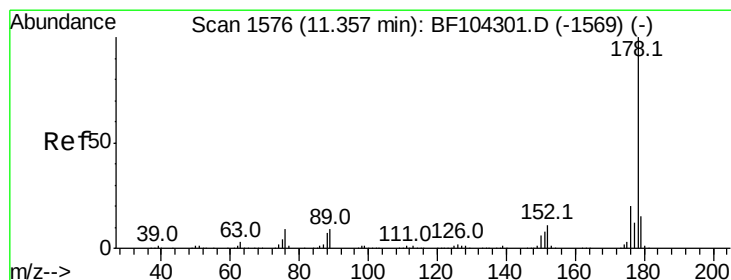
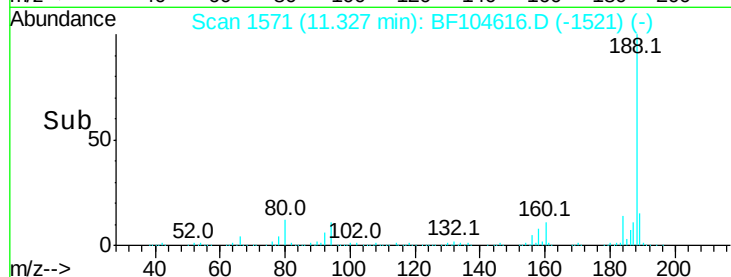
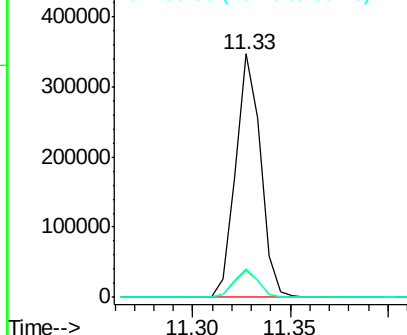
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104616.D
 Acq: 18 Apr 2018 22:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 307421
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 11.9 9.2 13.8

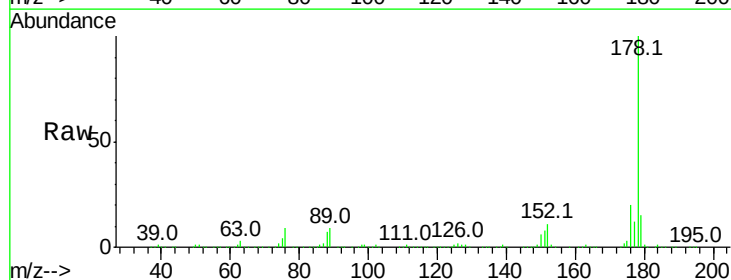


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

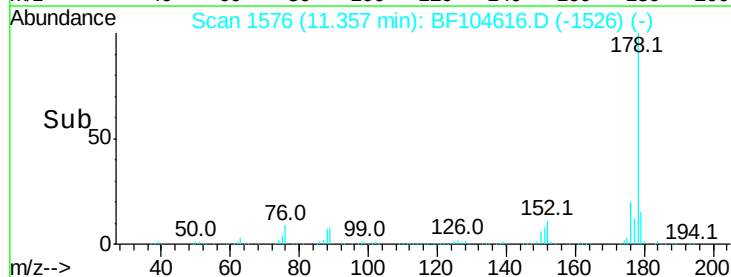
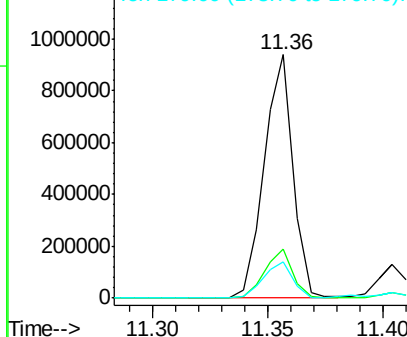


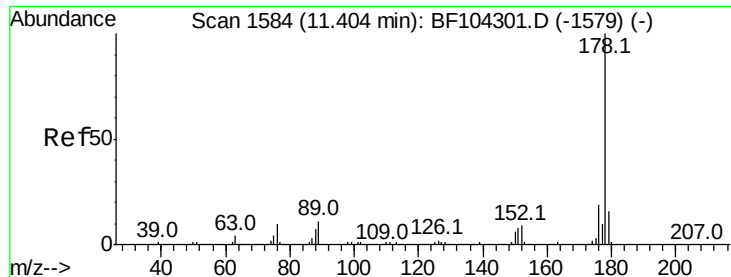
#70
 Phenanthrene
 Concen: 47.547 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104616.D
 Acq: 18 Apr 2018 22:37

Tgt Ion:178 Resp: 814005
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 14.9 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

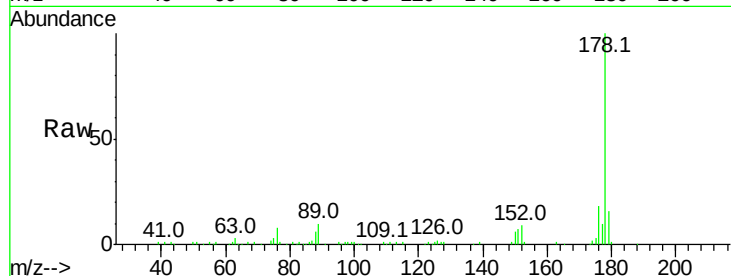




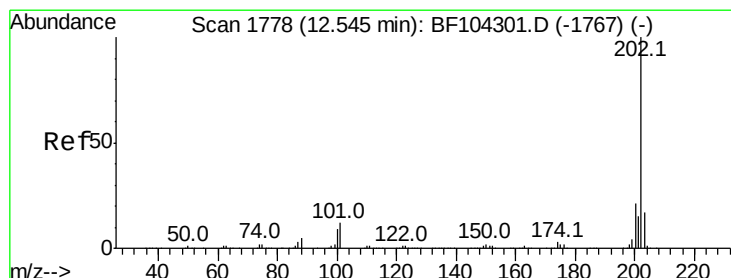
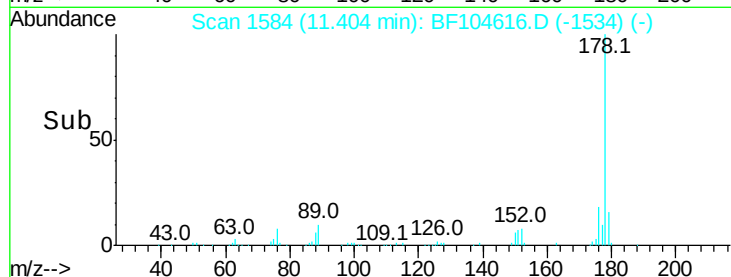
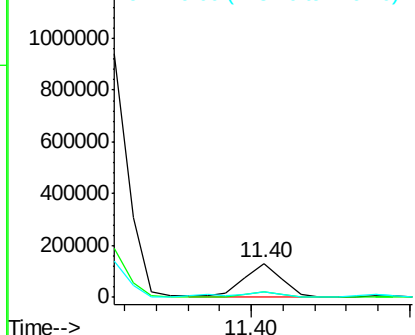
#71
 Anthracene
 Concen: 6.150 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104616.D
 Acq: 18 Apr 2018 22:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 107024
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.2
 179 16.3 12.6 19.0

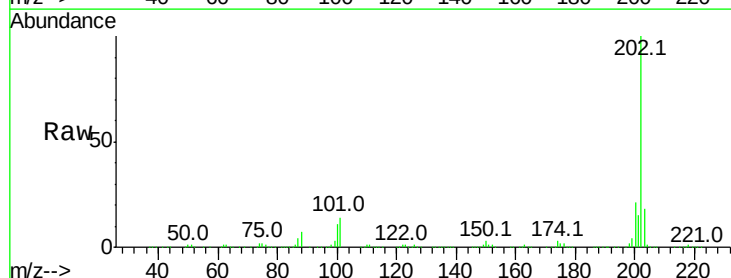


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

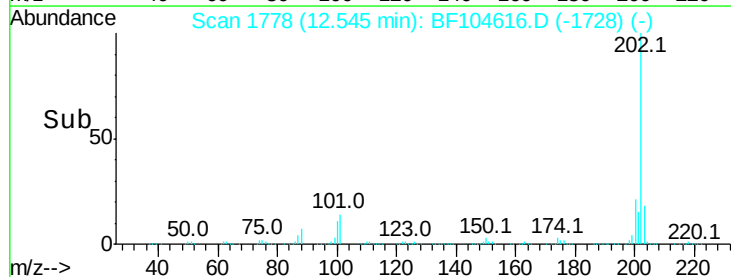
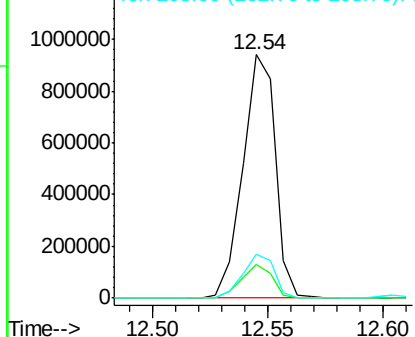


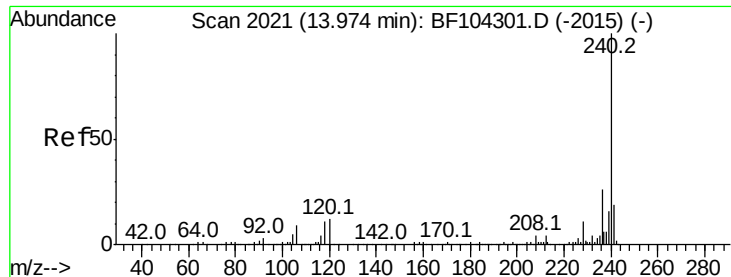
#74
 Fluoranthene
 Concen: 51.749 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104616.D
 Acq: 18 Apr 2018 22:37

Tgt Ion:202 Resp: 925635
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 34.1
 203 17.8 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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

Instrument :

BNA_F

ClientSampleId :

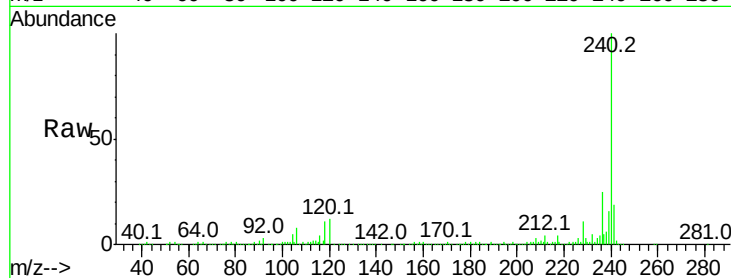
Tot Ion:240 Resp: 272222

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

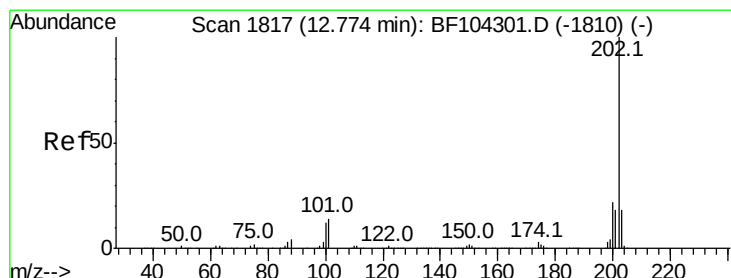
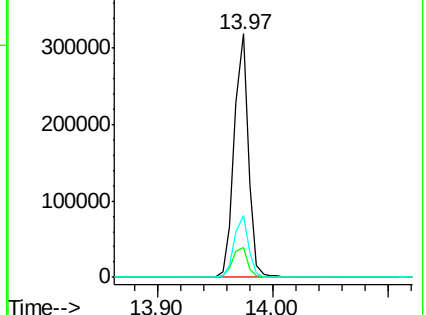
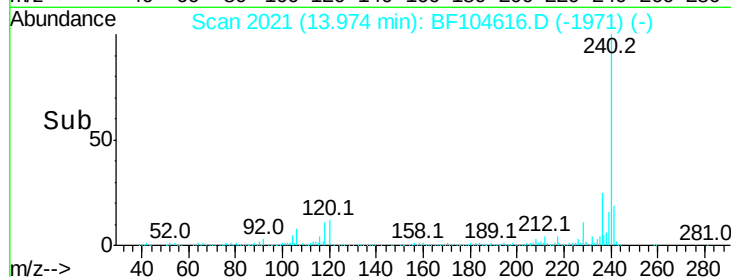
236 25.3 20.7 31.1



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: 31.946 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

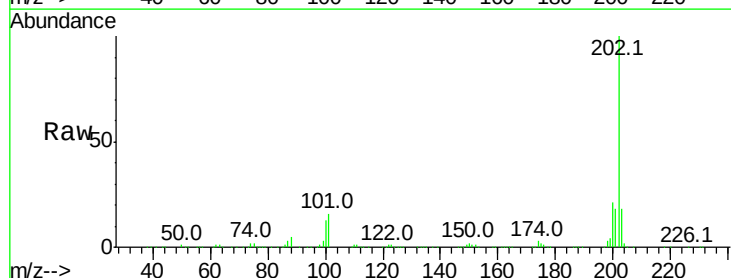
Tgt Ion:202 Resp: 644608

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

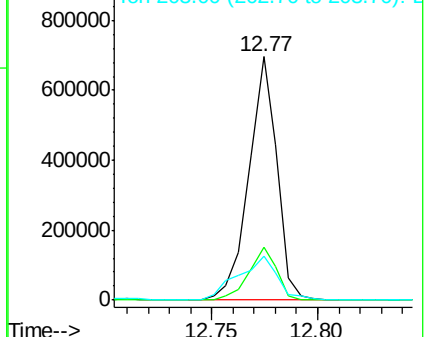
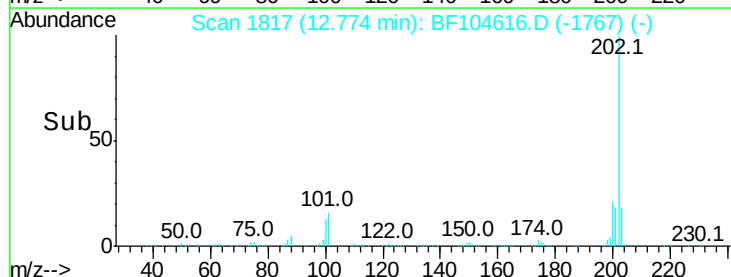
203 18.1 14.3 21.5

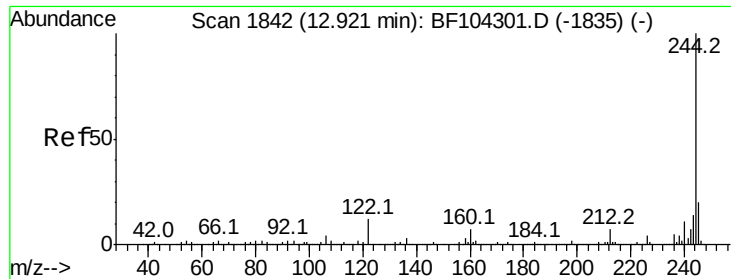


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

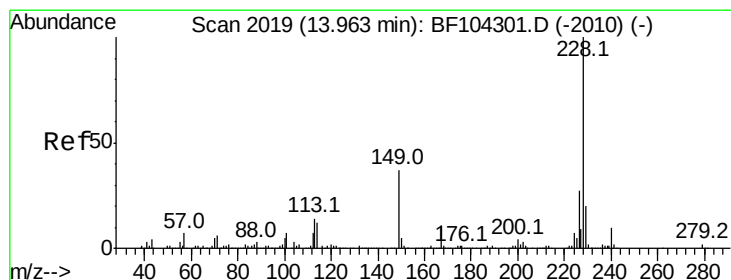
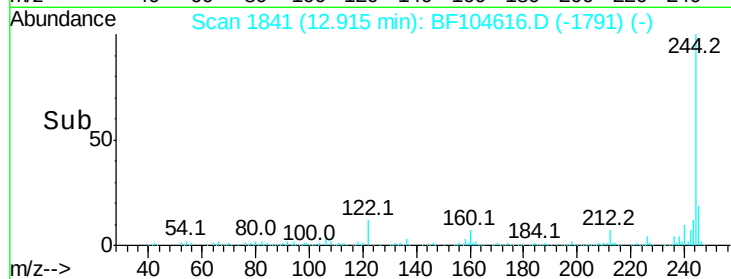
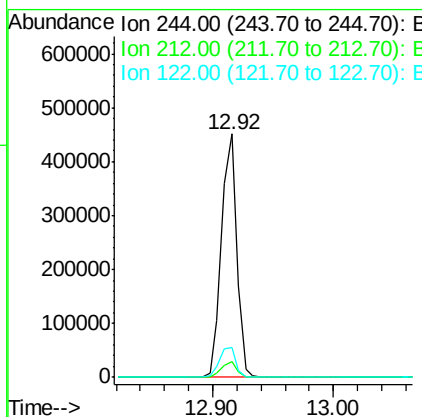
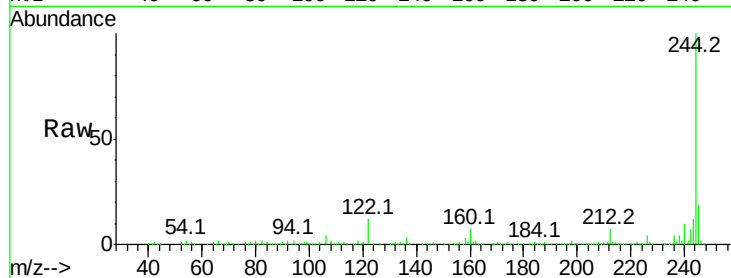




#78
 Terphenyl-d14
 Concen: 33.133 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104616.D
 Acq: 18 Apr 2018 22:37

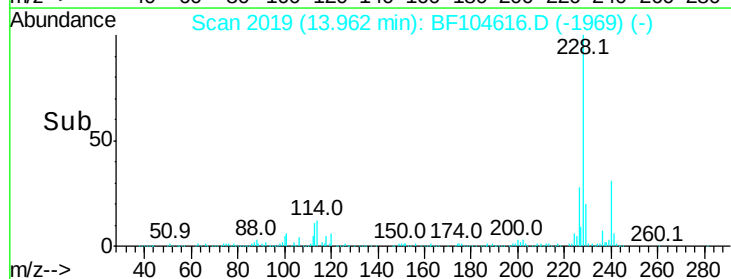
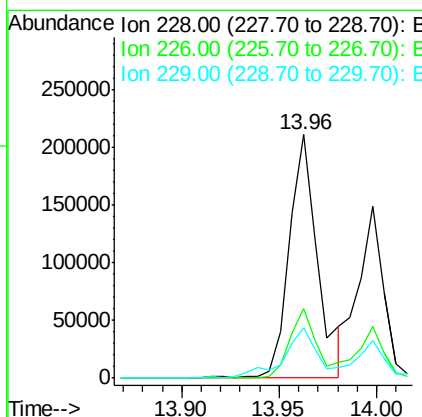
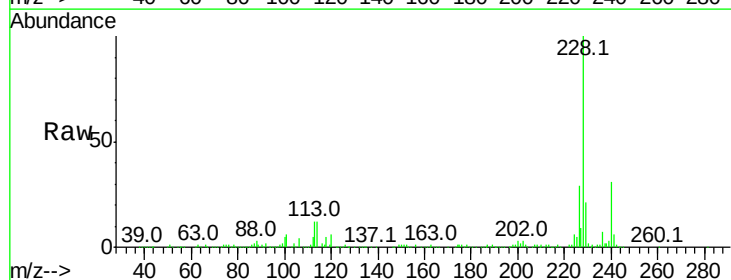
Instrument :
 BNA_F
 ClientSampleId :

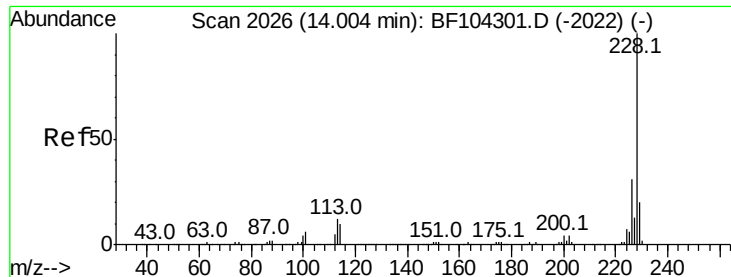
Tot Ion:244 Resp: 395628
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 13.138 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104616.D
 Acq: 18 Apr 2018 22:37

Tgt Ion:228 Resp: 213656
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 20.5 15.8 23.6





#82

Chrysene

Concen: 8.088 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

Instrument :

BNA_F

ClientSampled :

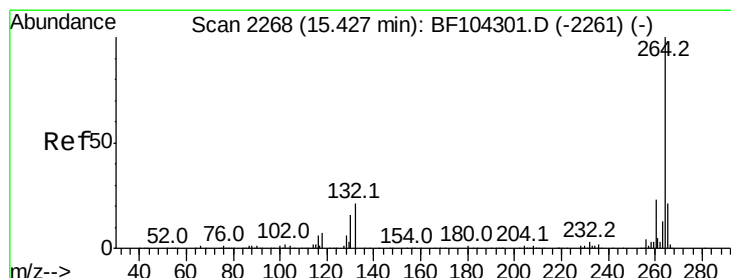
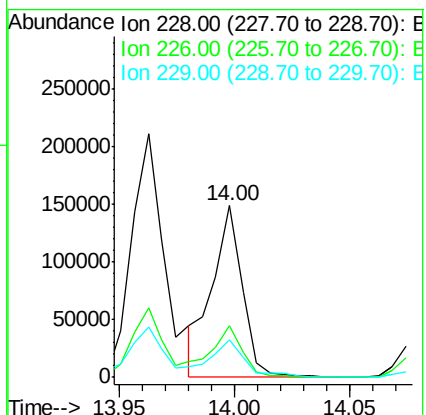
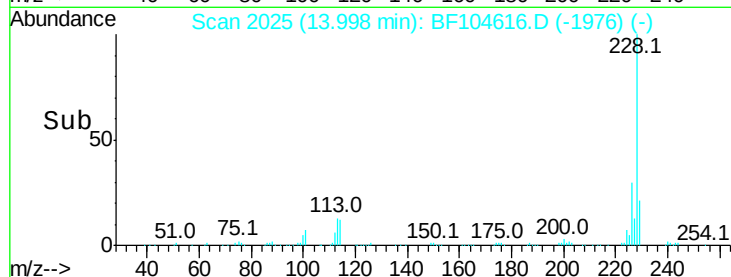
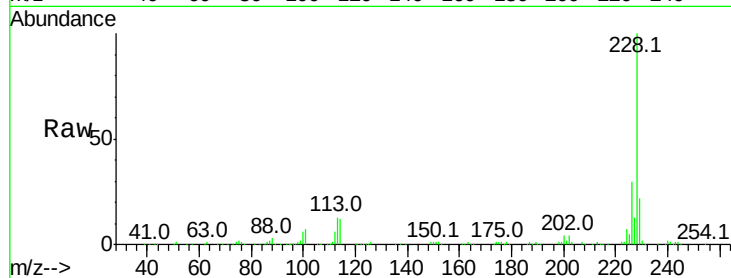
Tot Ion:228 Resp: 135107

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

229 21.6 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

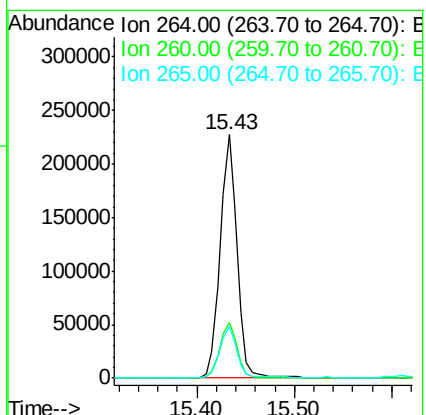
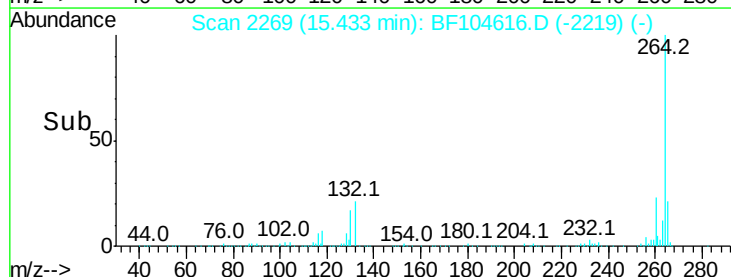
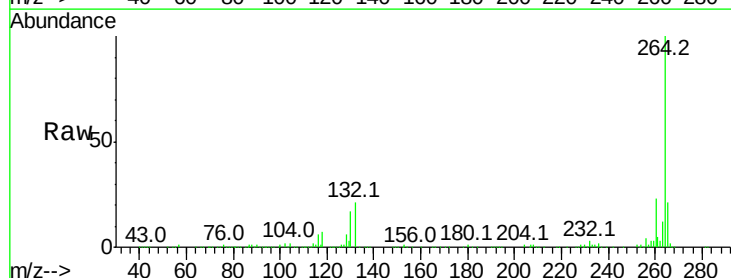
Tgt Ion:264 Resp: 273865

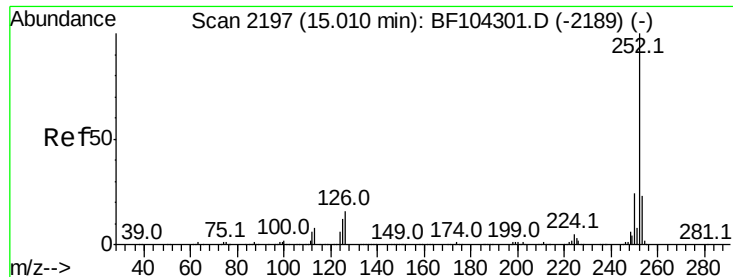
Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.3 17.5 26.3

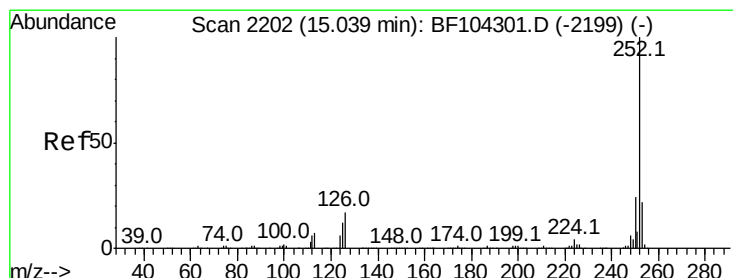
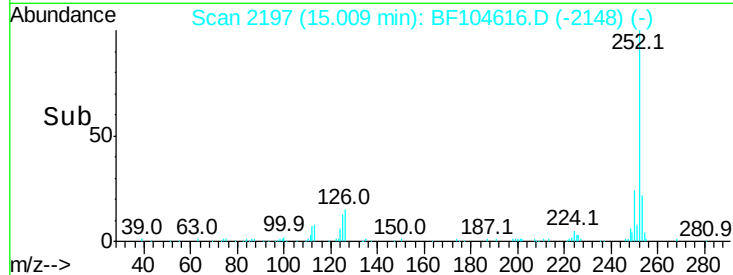
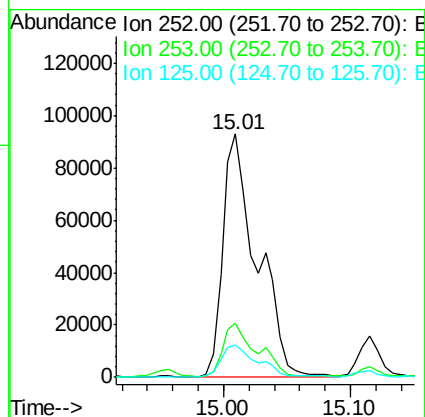
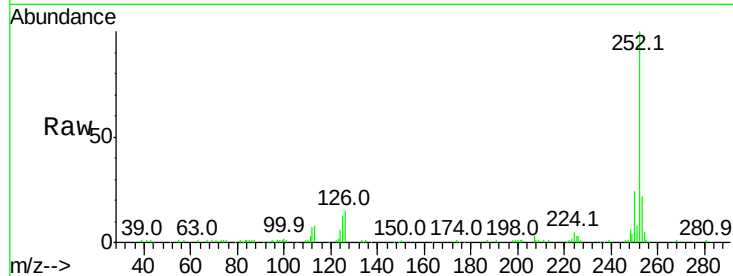




#87
Benzo(b)fluoranthene
Concen: 10.133 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF104616.D
Acq: 18 Apr 2018 22:37

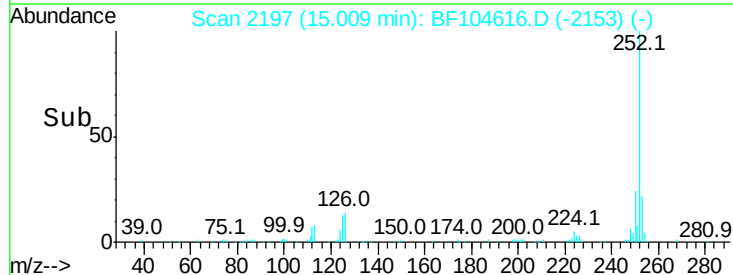
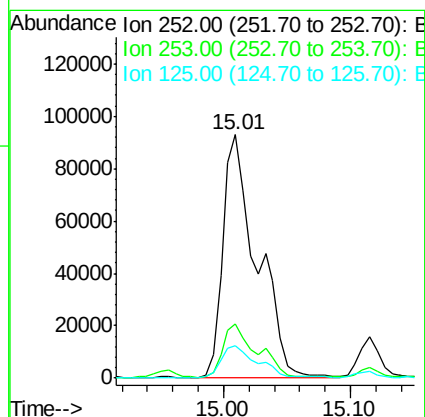
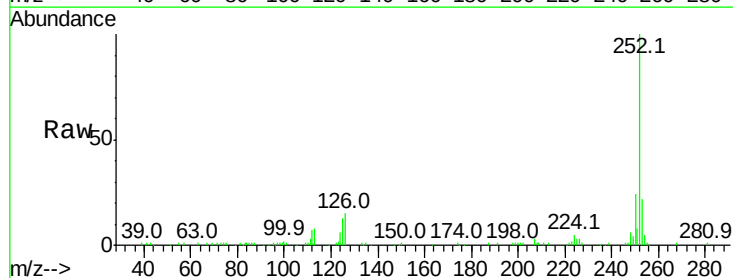
Instrument :
BNA_F
ClientSampleId :

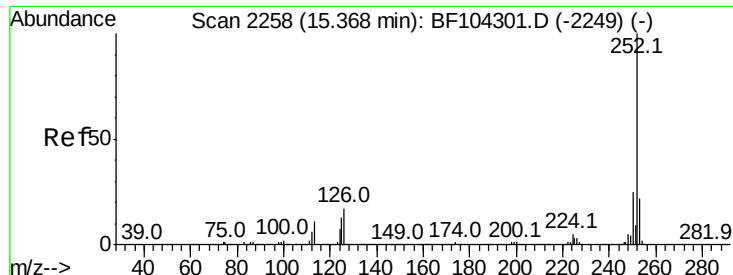
Tot Ion:252 Resp: 175276
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 13.4 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 10.734 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF104616.D
Acq: 18 Apr 2018 22:37

Tgt Ion:252 Resp: 175276
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 13.4 10.2 15.2





#89

Benzo(a)pyrene

Concen: 4.056 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BF104616.D

Acq: 18 Apr 2018 22:37

Instrument :

BNA_F

ClientSampleId :

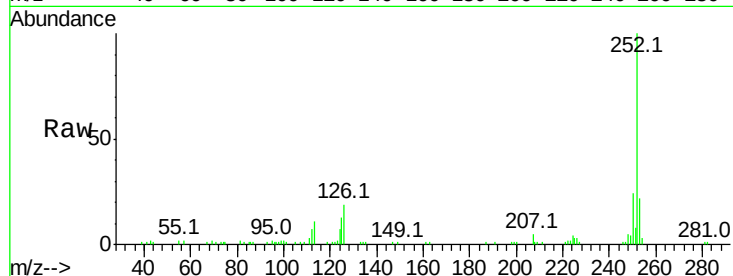
Tot Ion:252 Resp: 62779

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 13.0 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

