

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101913.D
 Acq On : 5 Jan 2018 4:13
 Operator : SJ/JU
 Sample : J1004-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 05:09:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	142076	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	502622	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	169681	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	276638	20.00	ng	0.00
75) Chrysene-d12	13.96	240	287086	20.00	ng	0.00
86) Perylene-d12	15.43	264	200979	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1010838	105.98	ng	0.00
7) Phenol-d6	6.42	99	1146766	96.61	ng	0.00
23) Nitrobenzene-d5	7.35	82	705324	78.12	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	124004	75.84	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	823942	75.33	ng	0.00
78) Terphenyl-d14	12.88	244	625685	52.54	ng	0.00

Target Compounds

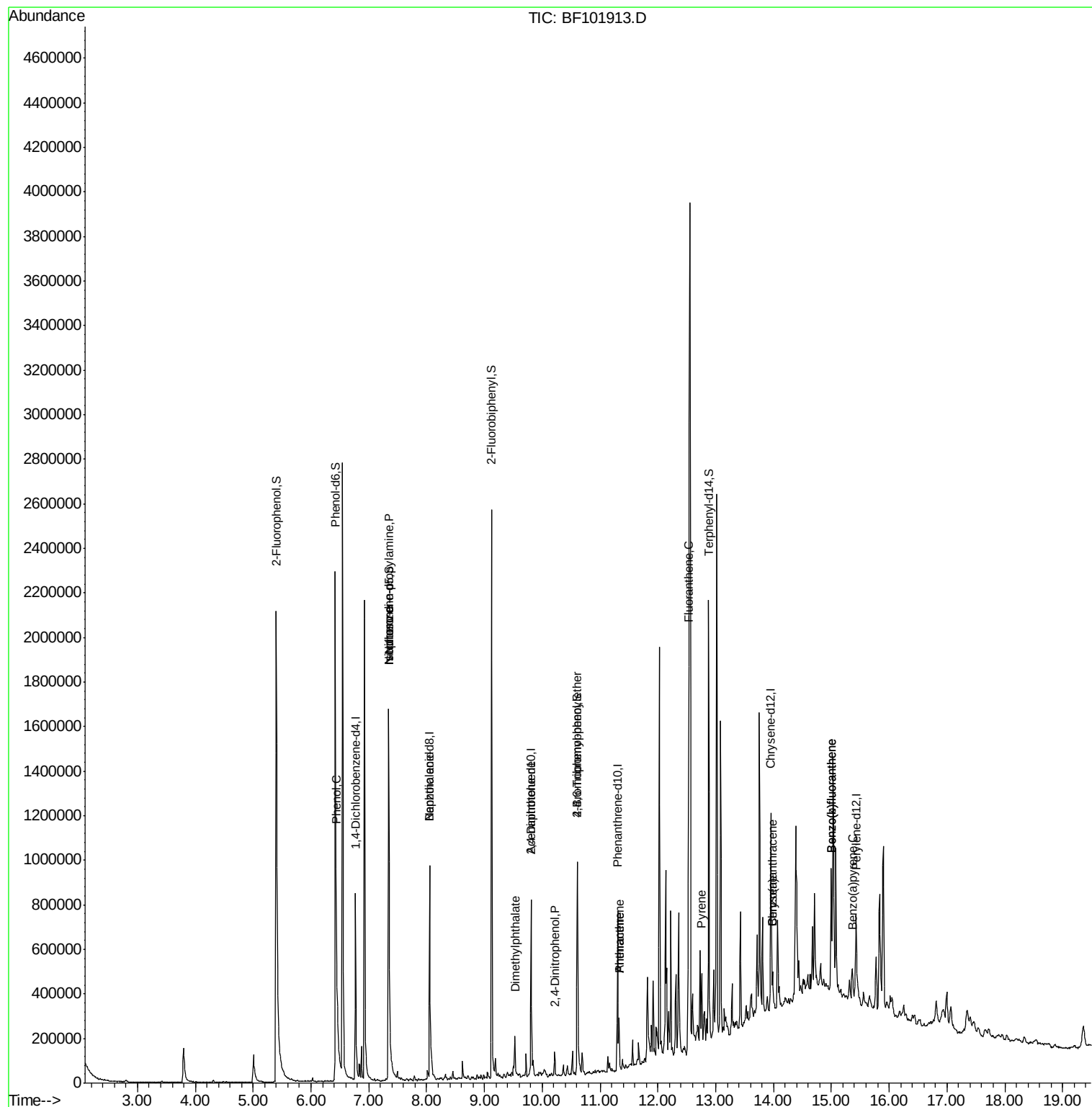
						Qvalue
10) Phenol	6.44	94	54396	4.021	ng	# 55
19) n-Nitroso-di-n-propylamine	7.35	70	93378	11.978	ng	# 82
25) Isophorone	7.35	82	705324	38.939	ng	# 64
32) Benzoic acid	8.05	122	106	7.979	ng	# 1
49) Dimethylphthalate	9.53	163	80459	5.895	ng	99
53) 2,4-Dinitrophenol	10.21	184	239	10.536	ng	# 28
56) 2,4-Dinitrotoluene	9.80	165	23120	7.398	ng	# 24
66) 4-Bromophenyl-phenylether	10.61	248	8520	2.741	ng	# 1
70) Phenanthrene	11.33	178	80513	5.233	ng	98
71) Anthracene	11.33	178	80513	5.123	ng	99
74) Fluoranthene	12.53	202	136497	8.453	ng	98
77) Pyrene	12.76	202	113734	5.279	ng	99
80) Benzo(a)anthracene	13.99	228	60325	3.182	ng	92
82) Chrysene	13.99	228	60325	3.370	ng	96
87) Benzo(b)fluoranthene	15.01	252	63518	5.185	ng	# 84
88) Benzo(k)fluoranthene	15.01	252	63518	5.333	ng	# 87
89) Benzo(a)pyrene	15.37	252	29841	2.642	ng	# 83

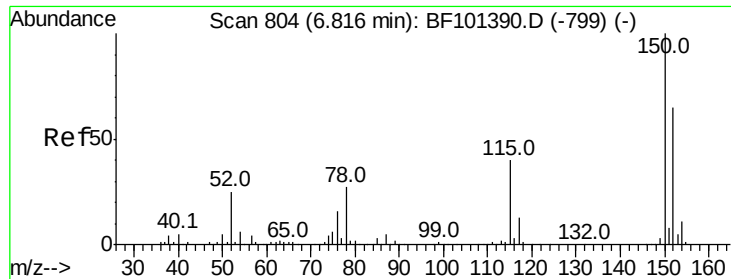
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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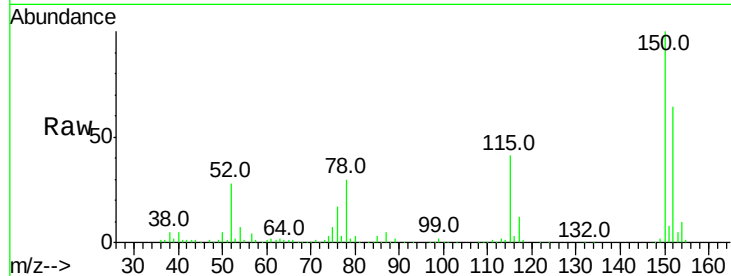


#1

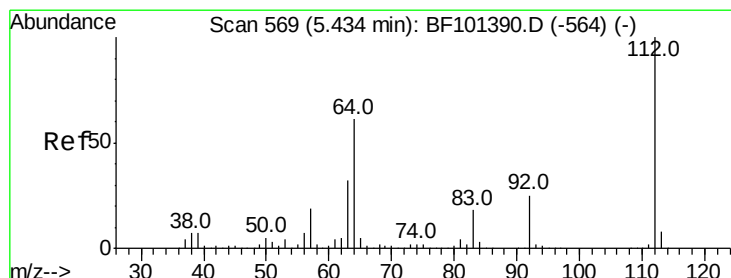
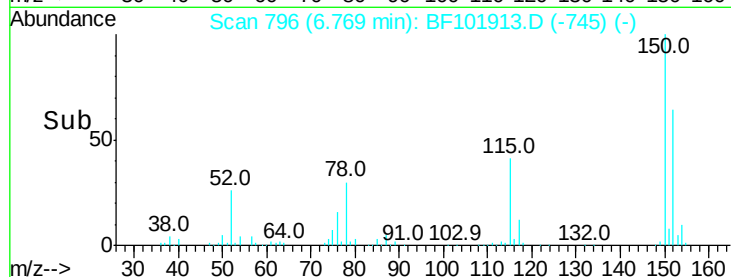
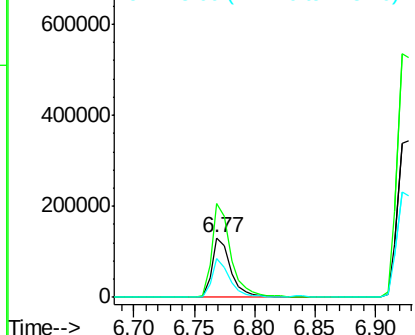
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101913.D
Acq: 5 Jan 2018 4:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142076
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 64.3 50.1 75.1



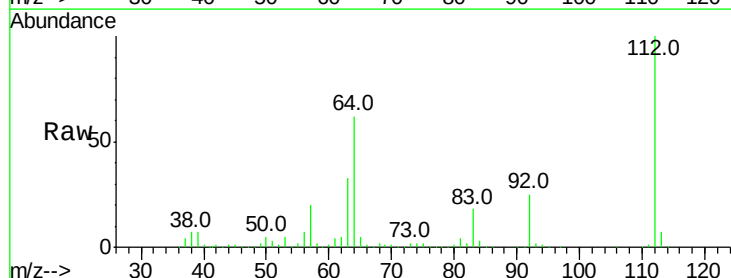
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



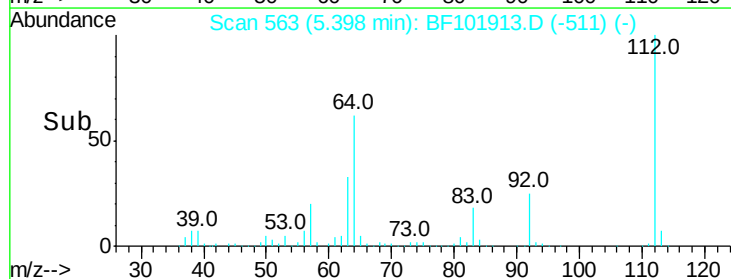
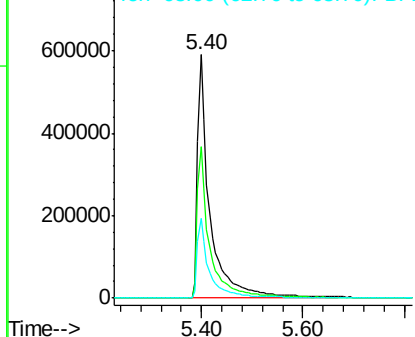
#5

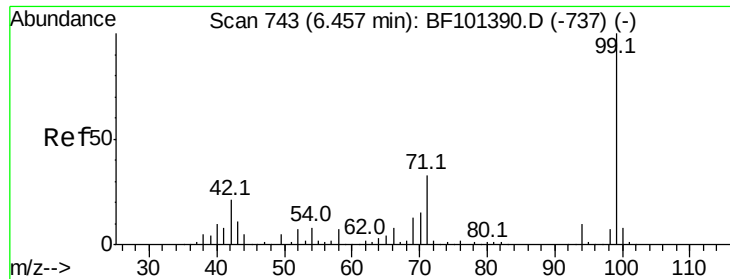
2-Fluorophenol
Concen: 105.980 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF101913.D
Acq: 5 Jan 2018 4:13

Tgt Ion:112 Resp: 1010838
Ion Ratio Lower Upper
112 100
64 62.2 47.9 71.9
63 32.5 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: 96.607 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

Instrument :

BNA_F

ClientSampled :

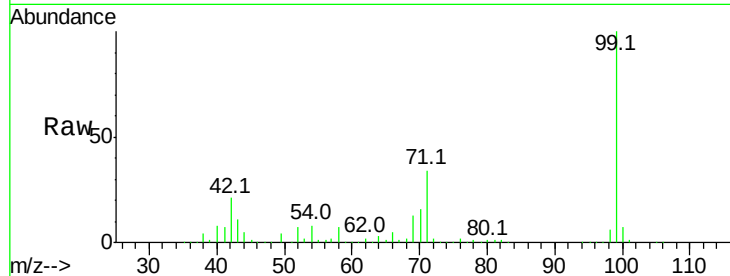
Tot Ion: 99 Resp: 1146766

Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.5	21.7
71	33.8	25.4	38.0

99 100

42 21.2 14.5 21.7

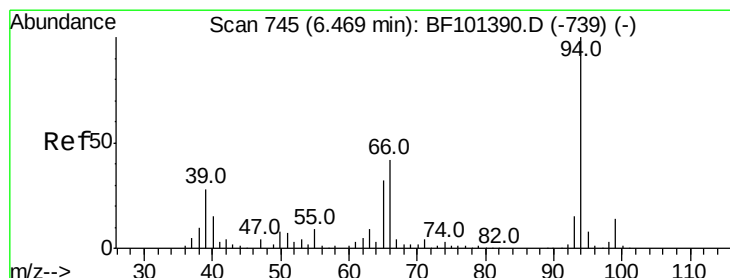
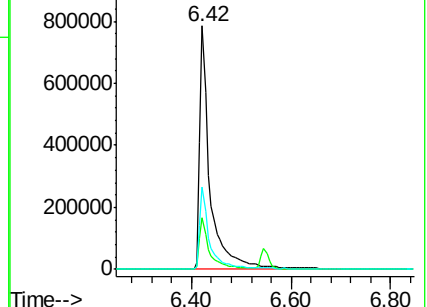
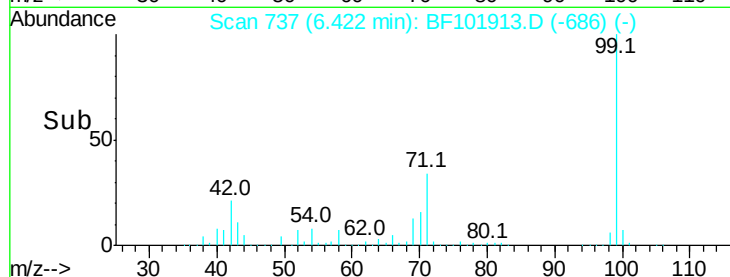
71 33.8 25.4 38.0



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



#10

Phenol

Concen: 4.021 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

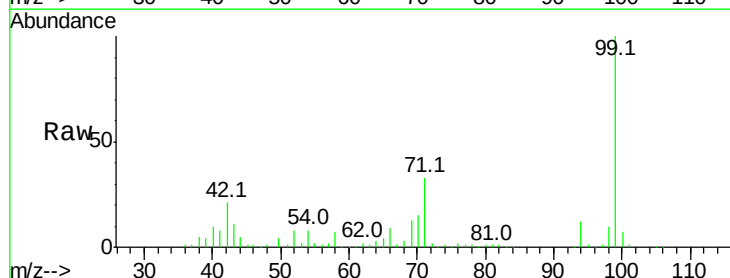
Tgt Ion: 94 Resp: 54396

Ion	Ratio	Lower	Upper
94	100		
65	35.2	7.9	47.9
66	76.7	16.2	56.2

94 100

65 35.2 7.9 47.9

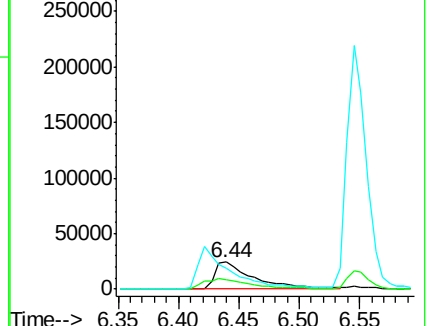
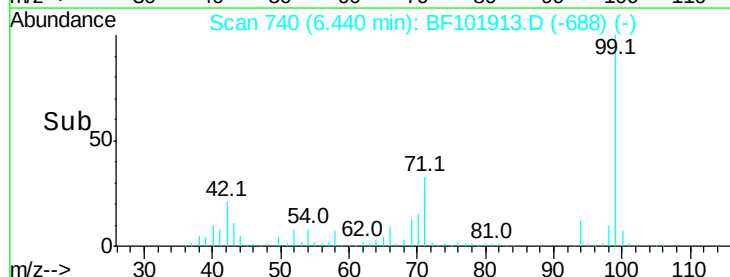
66 76.7 16.2 56.2

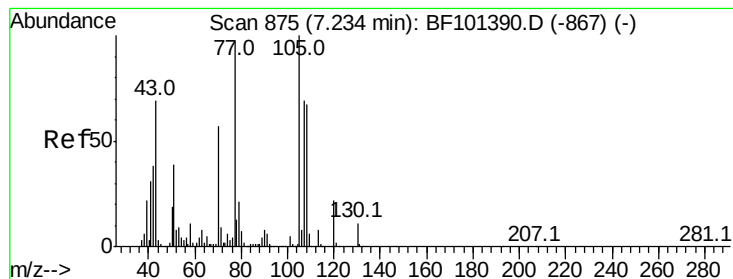


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.978 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.16 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 93378

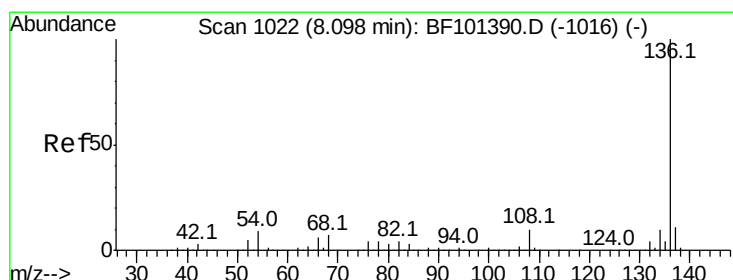
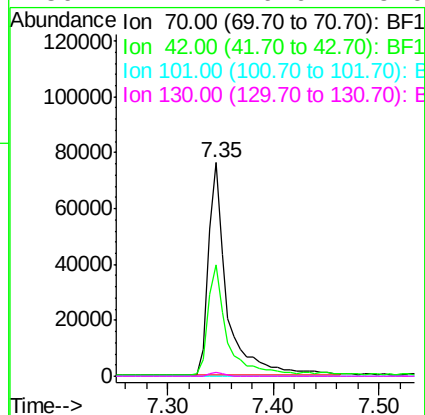
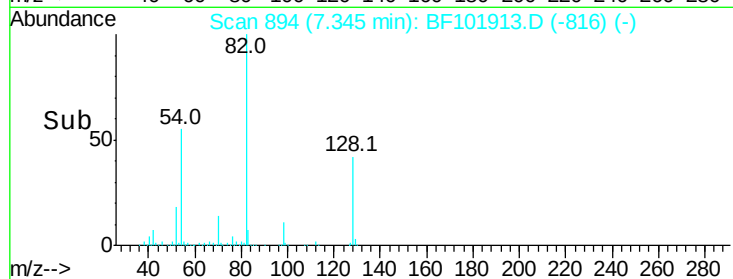
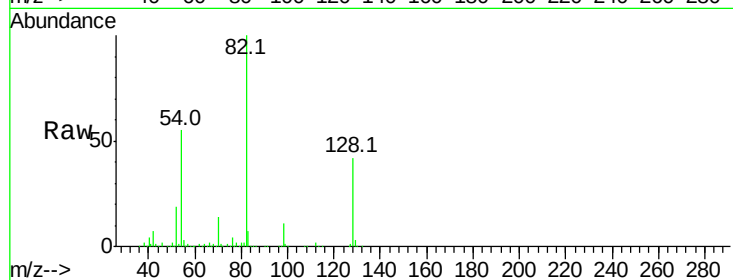
Ion Ratio Lower Upper

70 100

42 52.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

Tgt Ion: 136 Resp: 502622

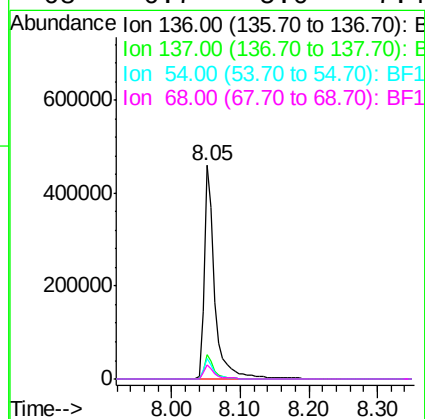
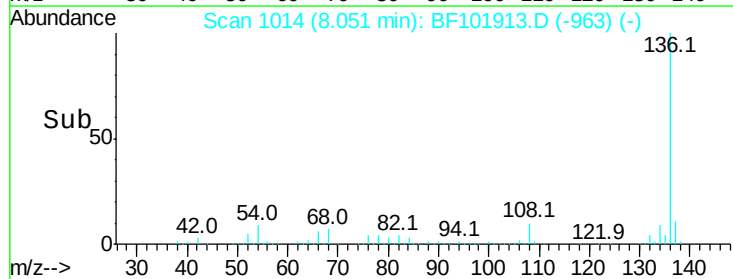
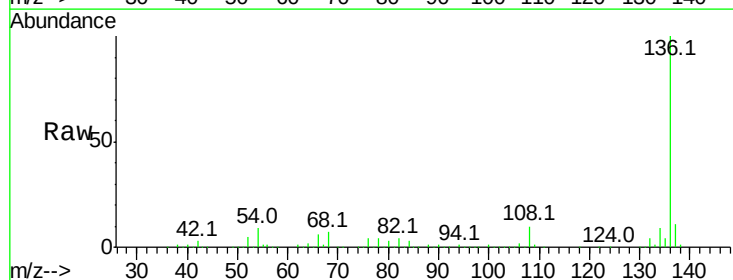
Ion Ratio Lower Upper

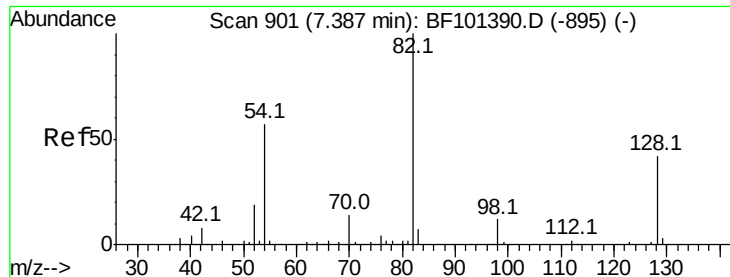
136 100

137 11.3 8.9 13.3

54 9.5 6.6 9.8

68 6.7 5.0 7.4

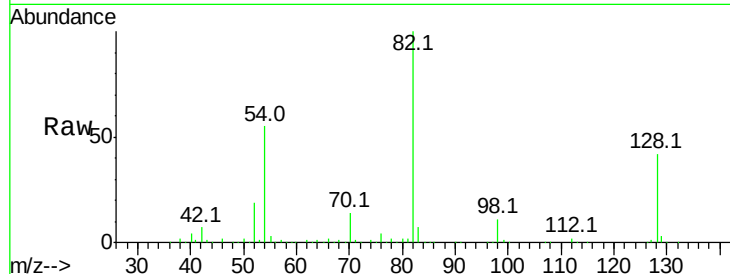




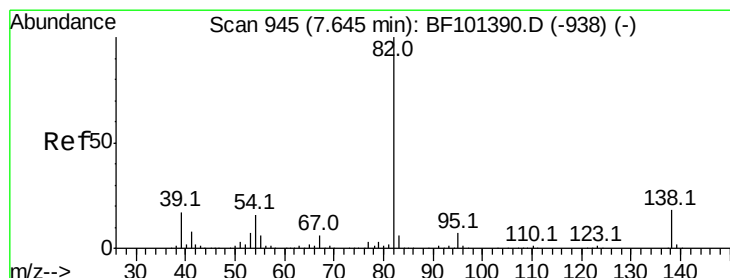
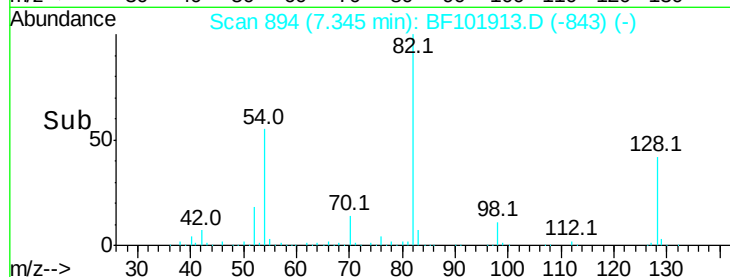
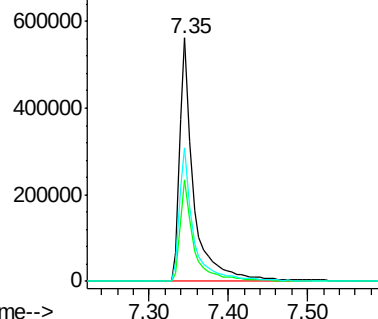
#23
 Nitrobenzene-d5
 Concen: 78.115 ng
 RT: 7.35 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: BF101913.D
 Acq: 5 Jan 2018 4:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 705324
 Ion Ratio Lower Upper
 82 100
 128 41.7 36.1 54.1
 54 54.8 41.4 62.2

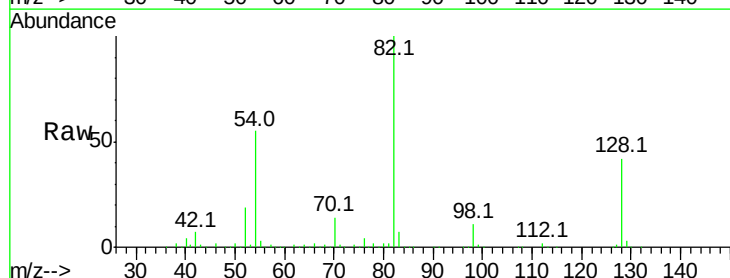


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

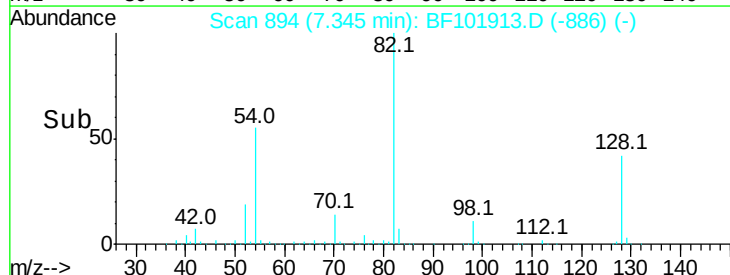
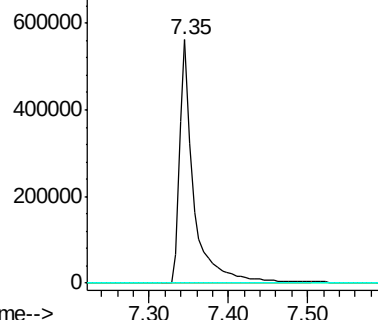


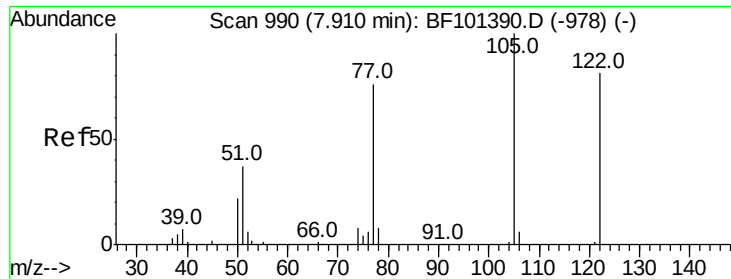
#25
 Isophorone
 Concen: 38.939 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.25 min
 Lab File: BF101913.D
 Acq: 5 Jan 2018 4:13

Tgt Ion: 82 Resp: 705324
 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

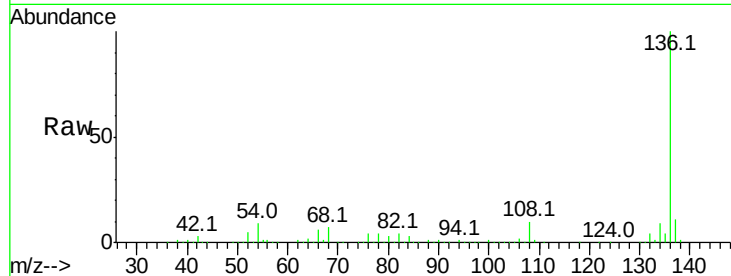




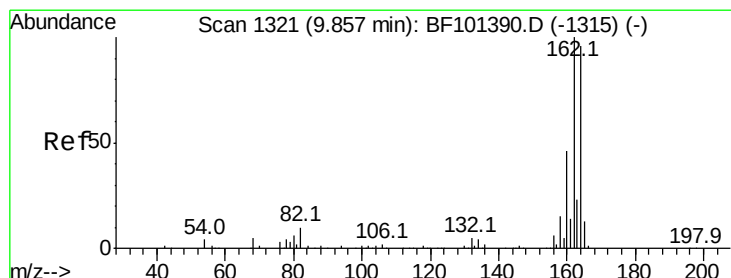
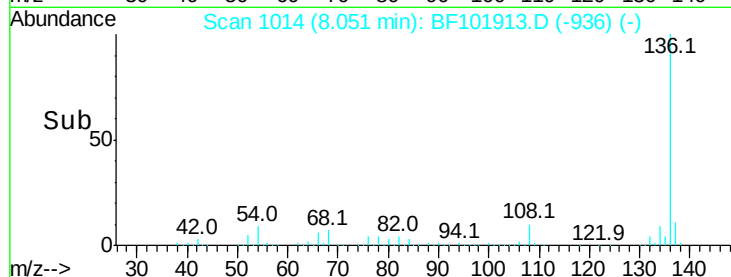
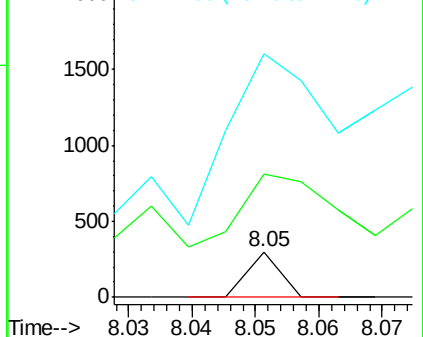
#32
Benzoic acid
Concen: 7.979 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.16 min
Lab File: BF101913.D
Acq: 5 Jan 2018 4:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 106
Ion Ratio Lower Upper
122 100
105 270.3 101.1 141.1#
77 534.3 70.7 110.7#

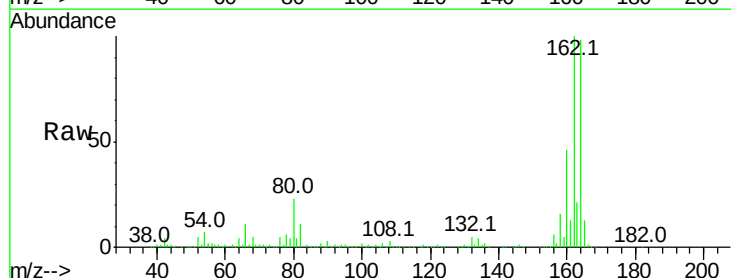


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

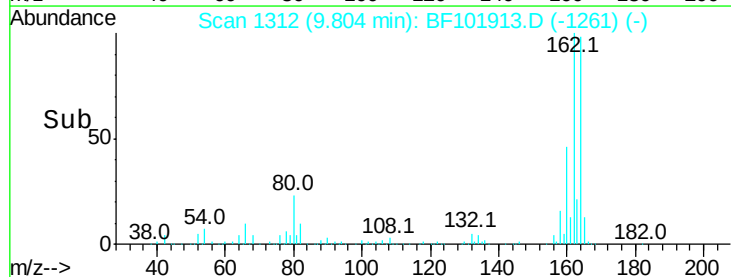
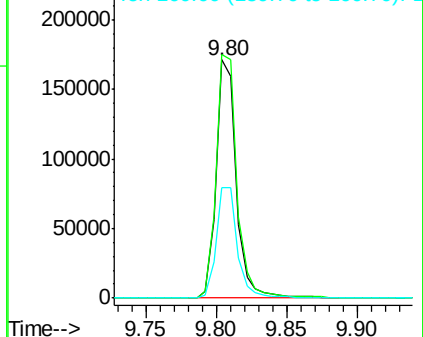


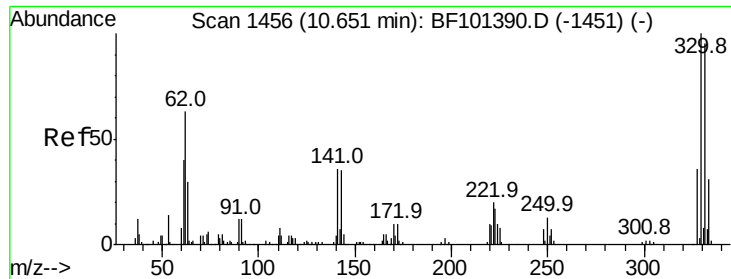
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF101913.D
Acq: 5 Jan 2018 4:13

Tgt Ion:164 Resp: 169681
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 46.5 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

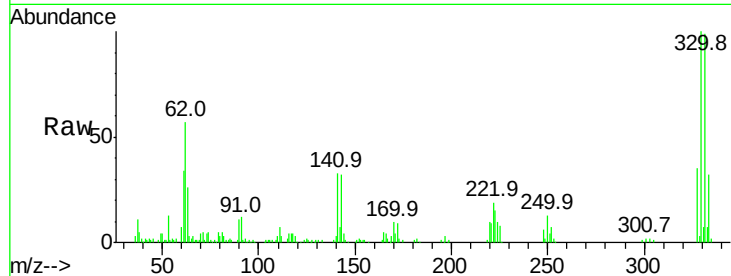




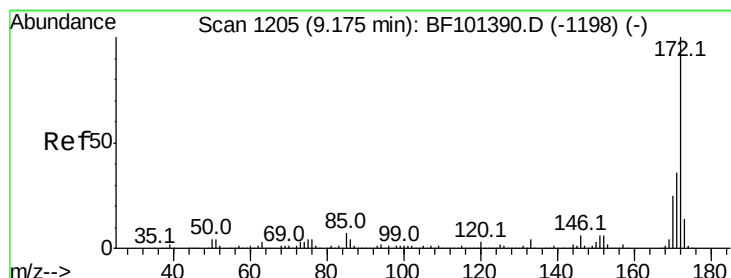
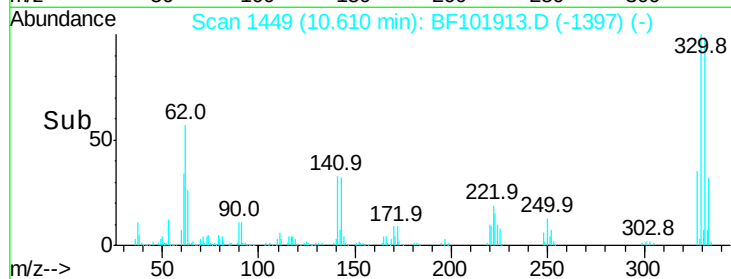
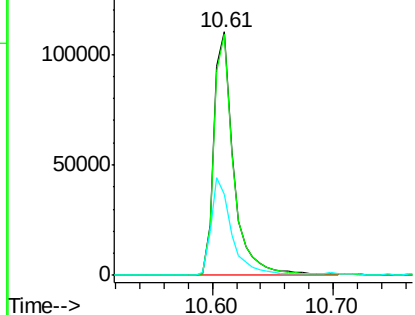
#41
 2,4,6-Tribromophenol
 Concen: 75.843 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF101913.D
 Acq: 5 Jan 2018 4:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 124004
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.0 115.6
 141 42.6 29.9 44.9

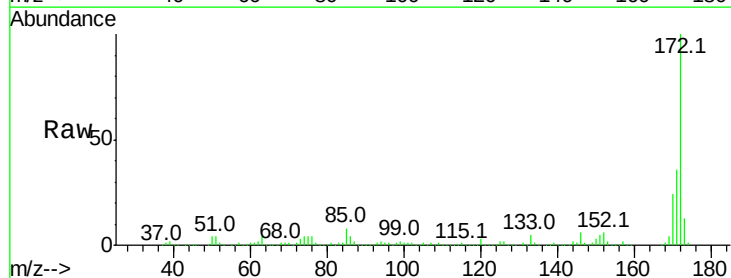


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

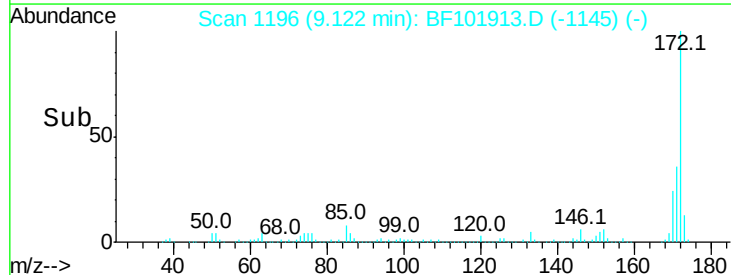
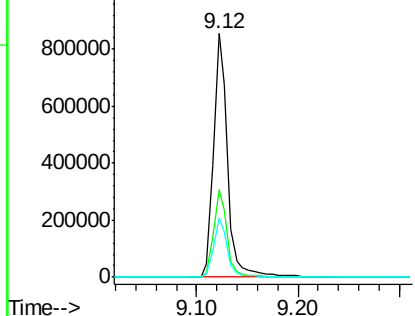


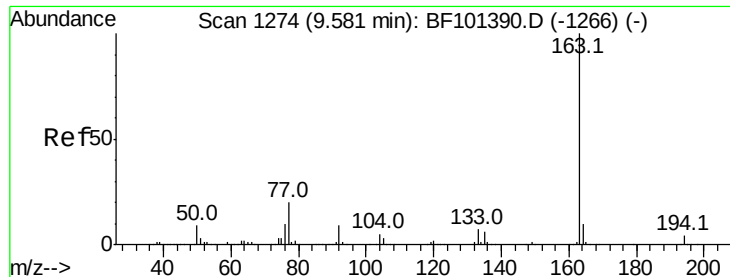
#44
 2-Fluorobiphenyl
 Concen: 75.326 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF101913.D
 Acq: 5 Jan 2018 4:13

Tgt Ion:172 Resp: 823942
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.2 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.895 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

Instrument :

BNA_F

ClientSampled :

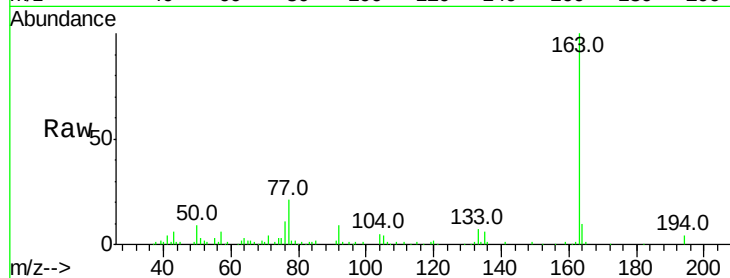
Tot Ion:163 Resp: 80459

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

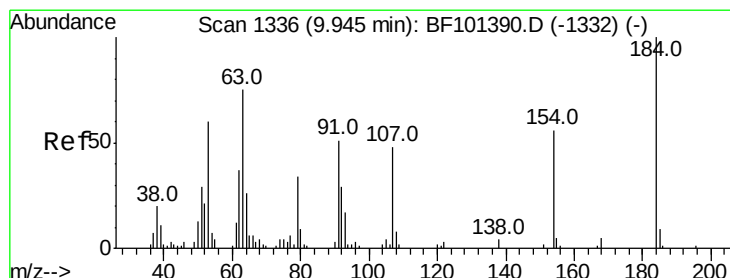
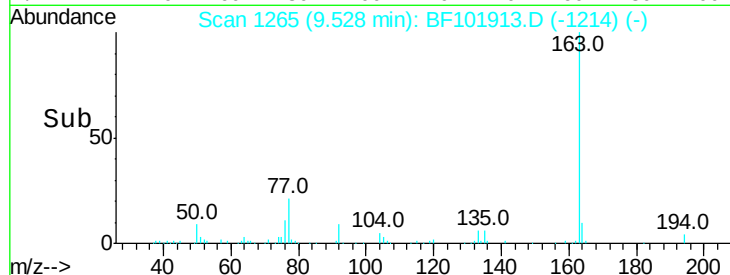
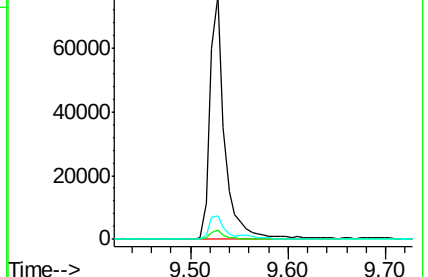
164 9.7 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 10.536 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.25 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

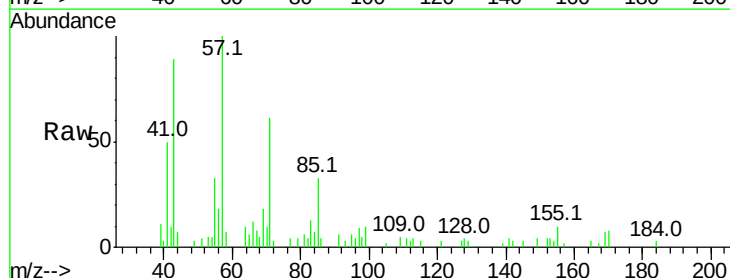
Tgt Ion:184 Resp: 239

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

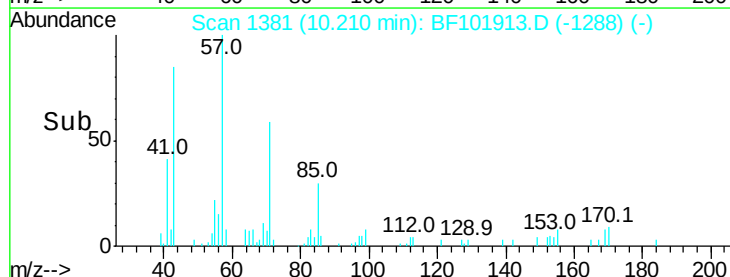
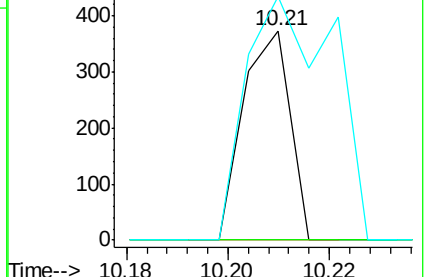
154 116.4 184.0 276.0#

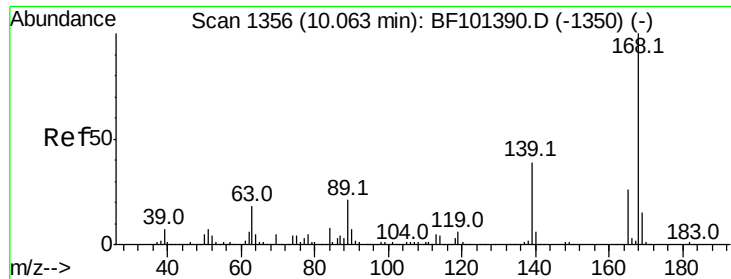


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

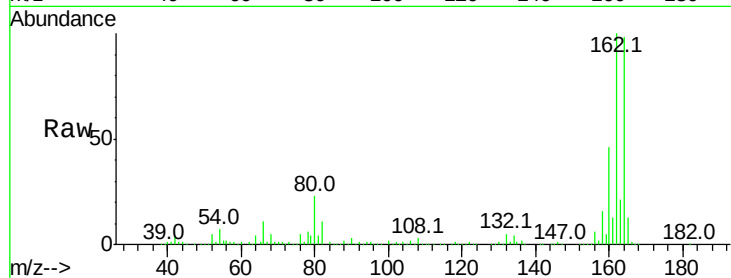




#56
2,4-Dinitrotoluene
Concen: 7.398 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.23 min
Lab File: BF101913.D
Acq: 5 Jan 2018 4:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	2.2	57.8	86.6#
182	1.4	1.6	2.4#

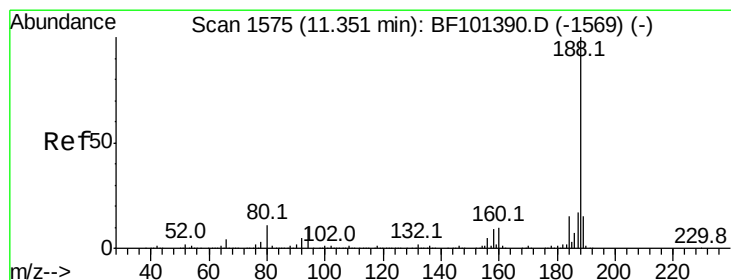
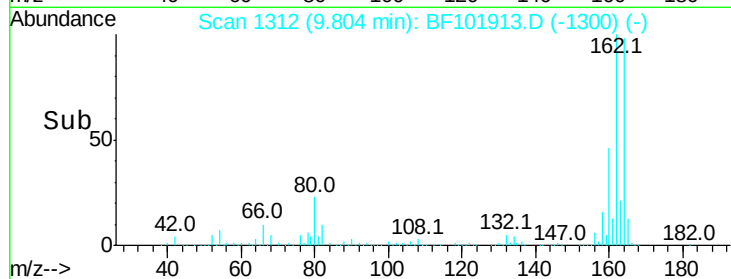
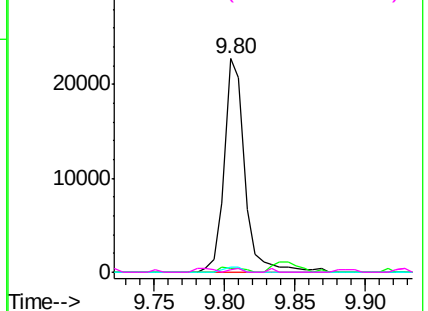


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

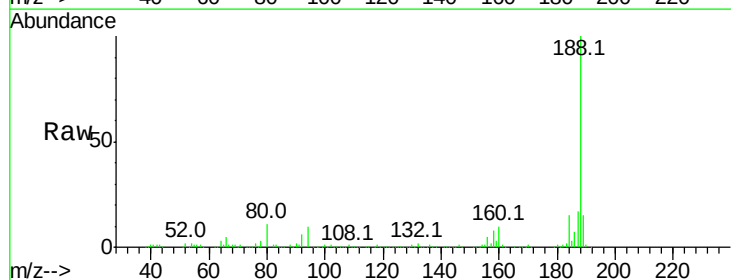
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF101913.D
Acq: 5 Jan 2018 4:13

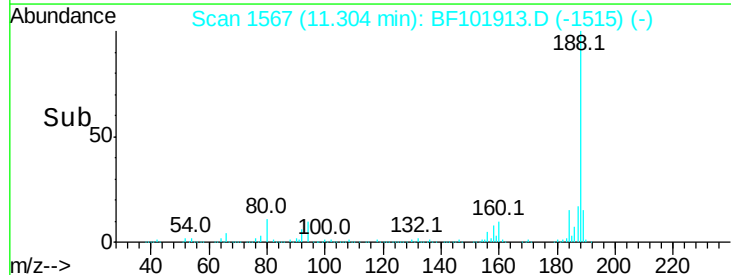
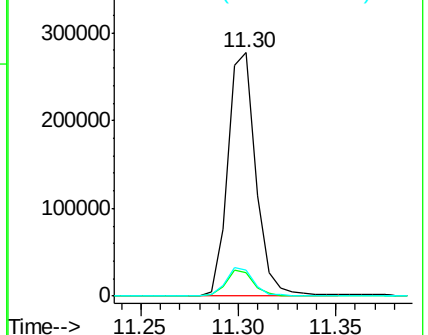
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.6	9.2	13.8

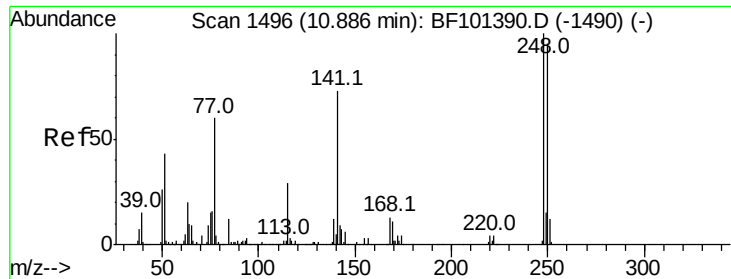


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

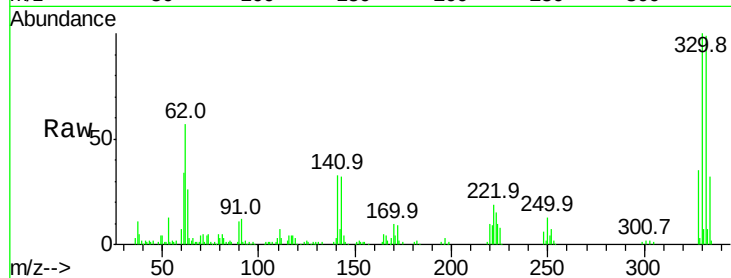




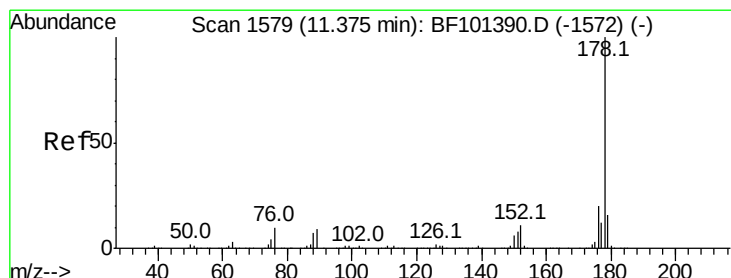
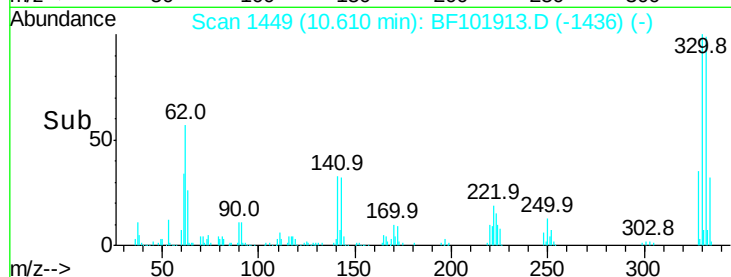
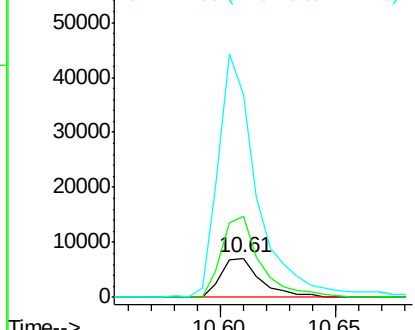
#66
 4-Bromophenyl-phenylether
 Concen: 2.741 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.22 min
 Lab File: BF101913.D
 Acq: 5 Jan 2018 4:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8520
 Ion Ratio Lower Upper
 248 100
 250 207.7 76.9 115.3#
 141 521.4 74.4 111.6#

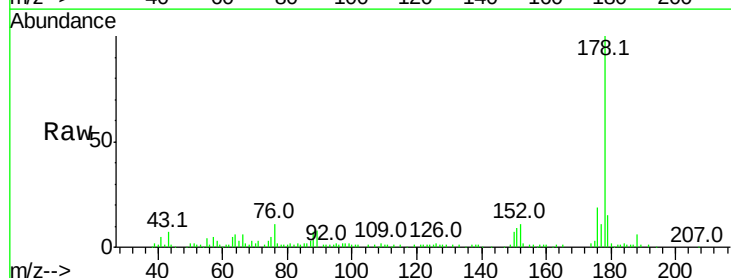


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

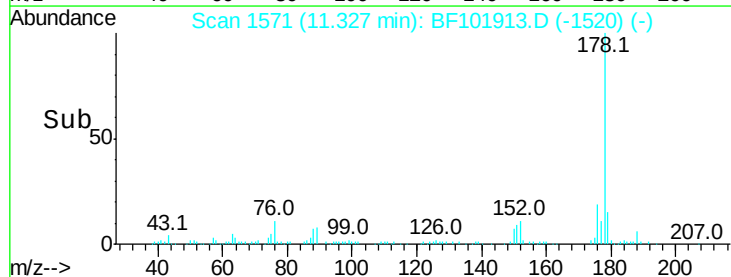
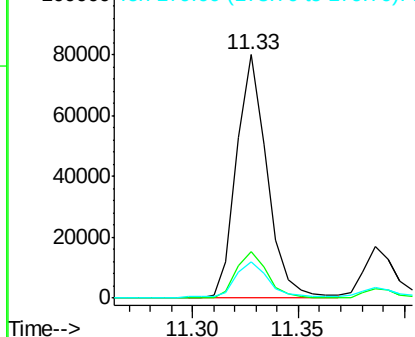


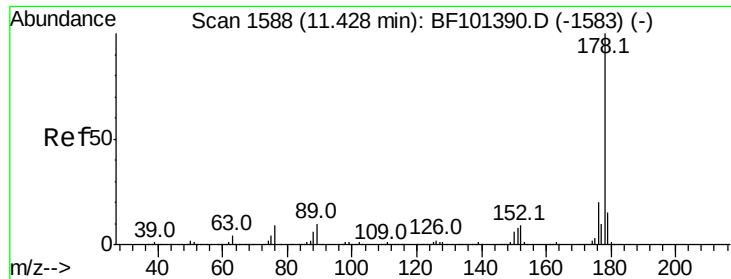
#70
 Phenanthrene
 Concen: 5.233 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF101913.D
 Acq: 5 Jan 2018 4:13

Tgt Ion:178 Resp: 80513
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.8 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

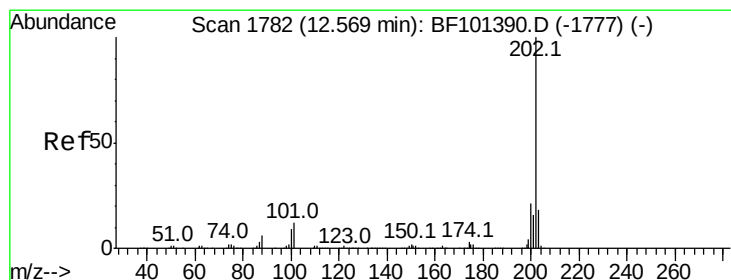
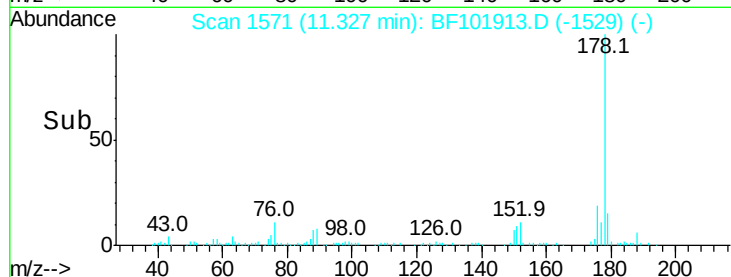
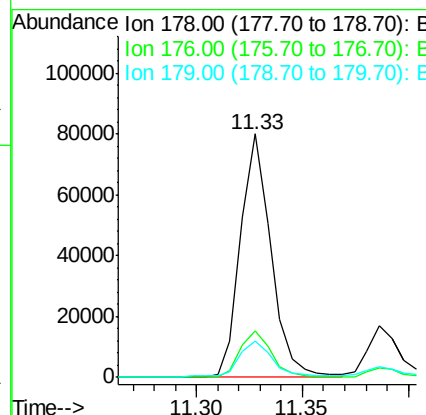
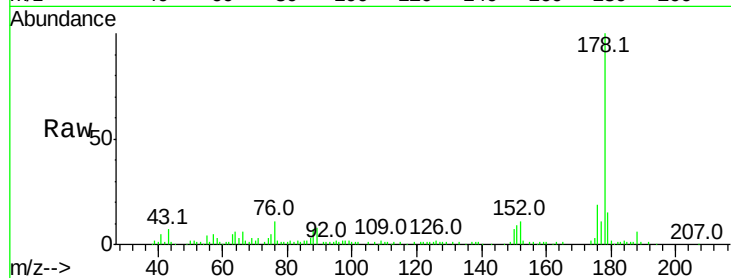




#71
 Anthracene
 Concen: 5.123 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.05 min
 Lab File: BF101913.D
 Acq: 5 Jan 2018 4:13

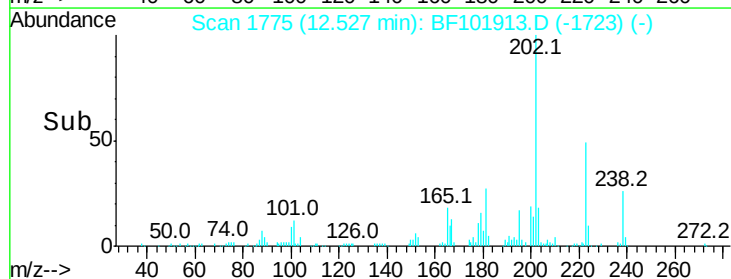
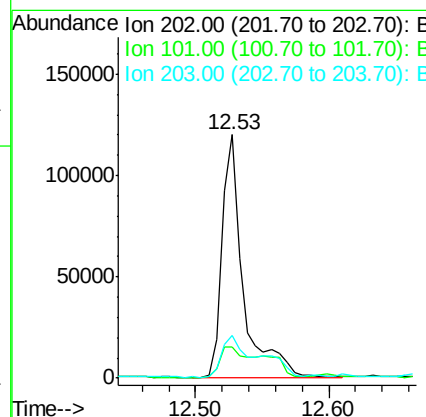
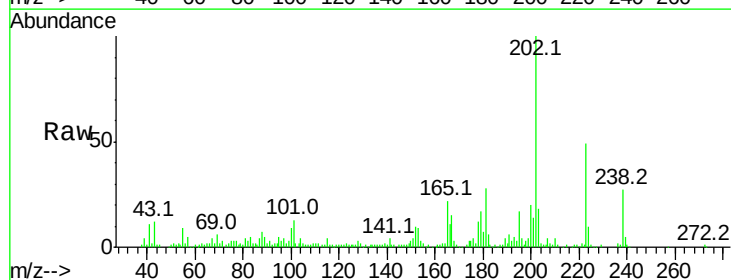
Instrument :
 BNA_F
 ClientSampled :

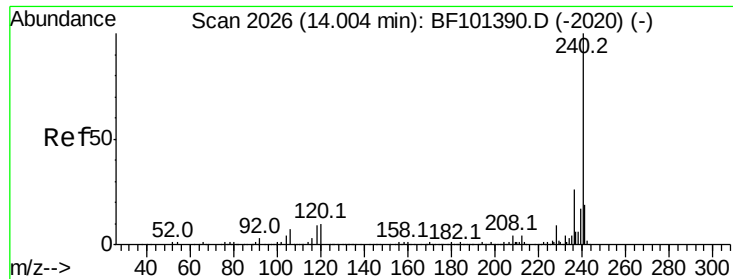
Tot Ion:178 Resp: 80513
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 14.8 12.6 19.0



#74
 Fluoranthene
 Concen: 8.453 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: BF101913.D
 Acq: 5 Jan 2018 4:13

Tgt Ion:202 Resp: 136497
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 34.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

Instrument :

BNA_F

ClientSampleId :

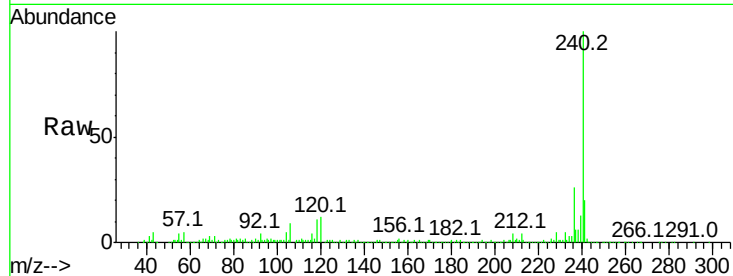
Tot Ion:240 Resp: 287086

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

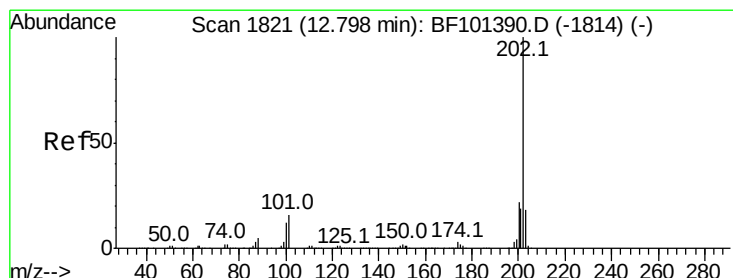
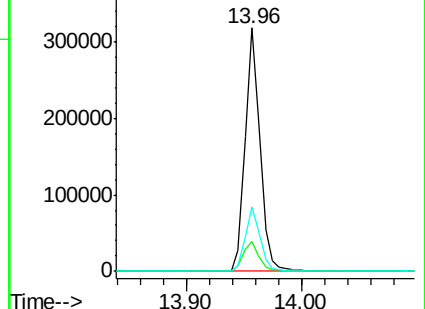
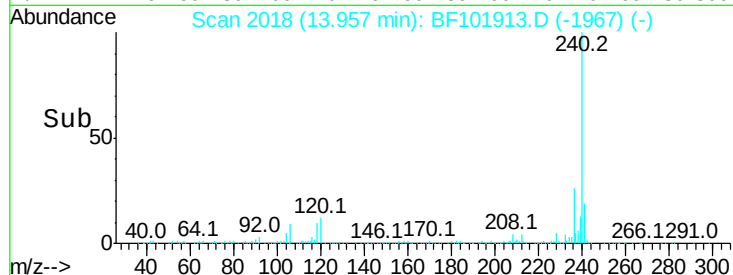
236 26.3 20.7 31.1



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: 5.279 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

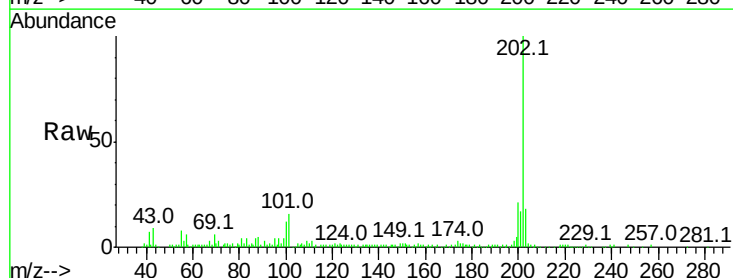
Tgt Ion:202 Resp: 113734

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

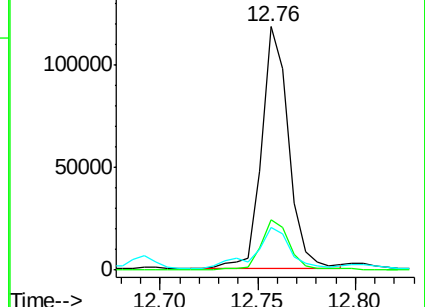
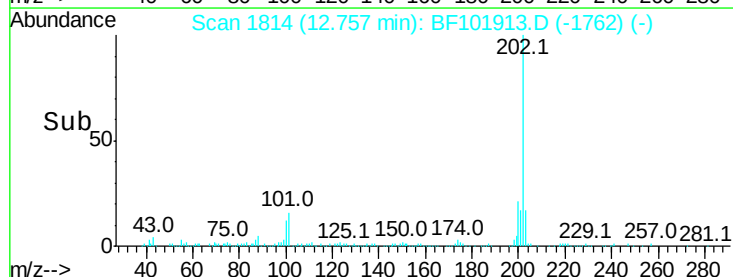
203 17.6 14.3 21.5

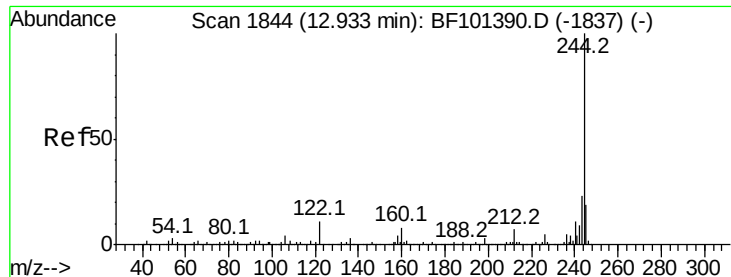


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.541 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

Instrument :

BNA_F

ClientSampled :

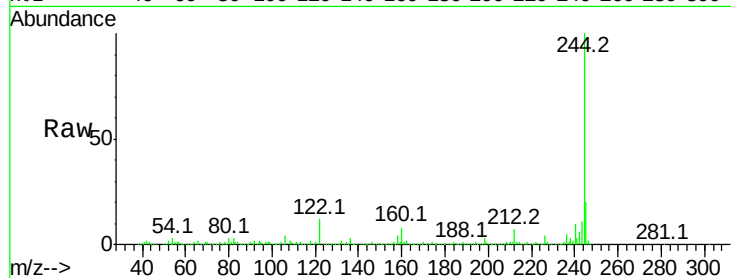
Tot Ion:244 Resp: 625685

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

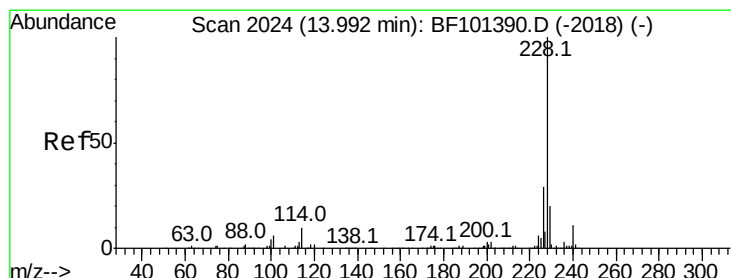
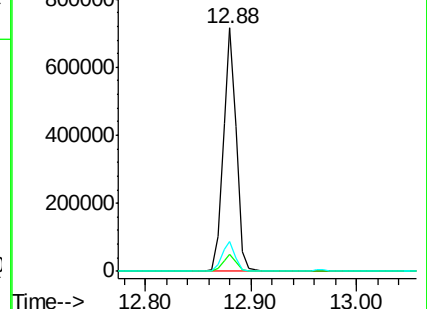
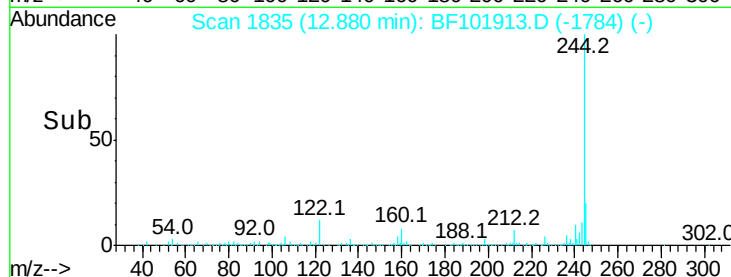
122 12.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.182 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

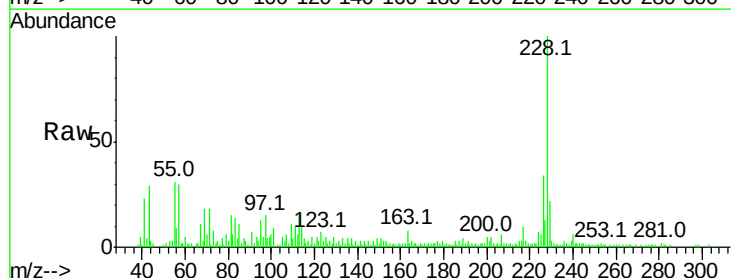
Tgt Ion:228 Resp: 60325

Ion Ratio Lower Upper

228 100

226 33.5 22.6 33.8

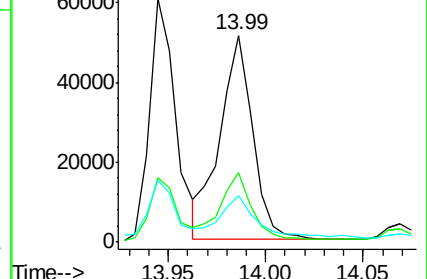
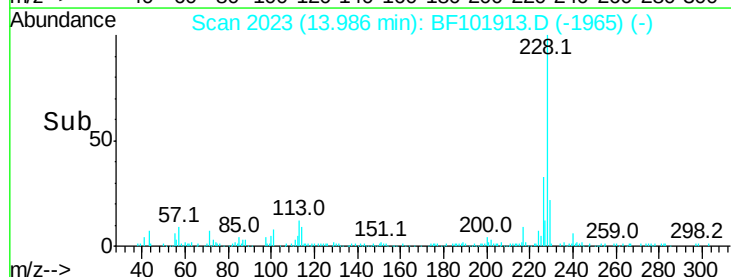
229 22.4 15.8 23.6

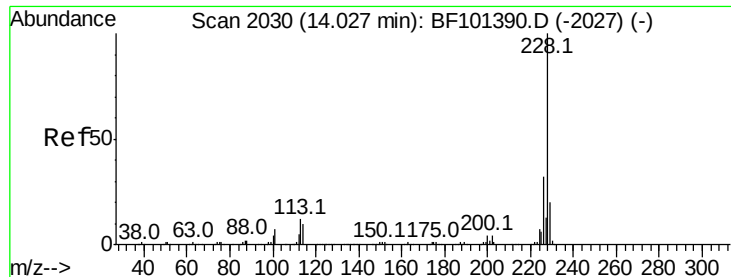


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

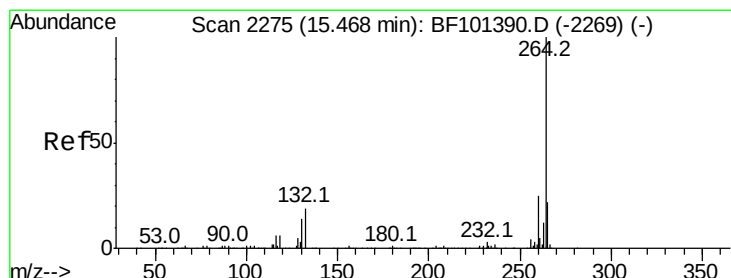
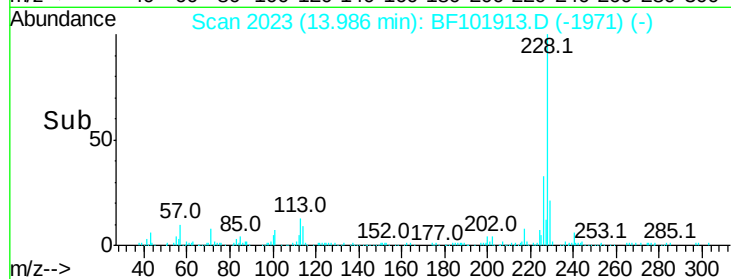
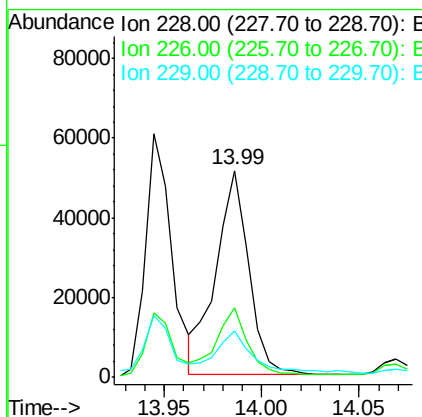
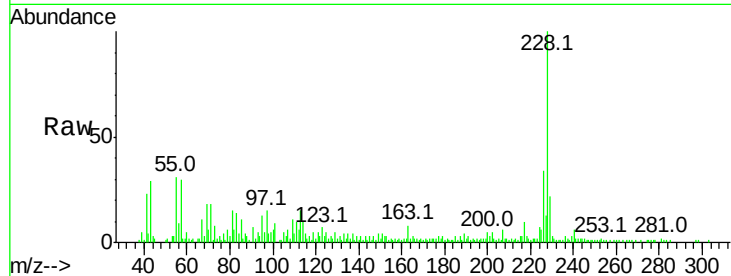




#82
Chrysene
Concen: 3.370 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF101913.D
Acq: 5 Jan 2018 4:13

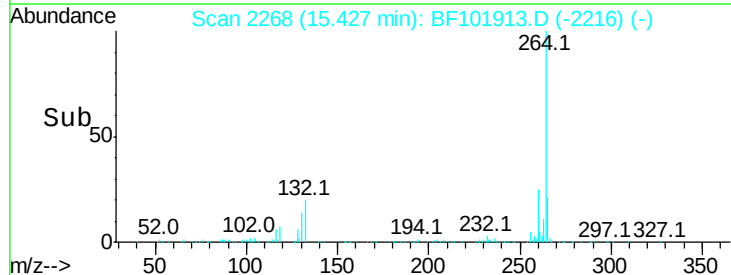
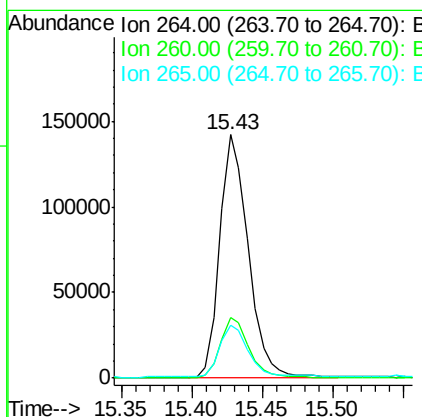
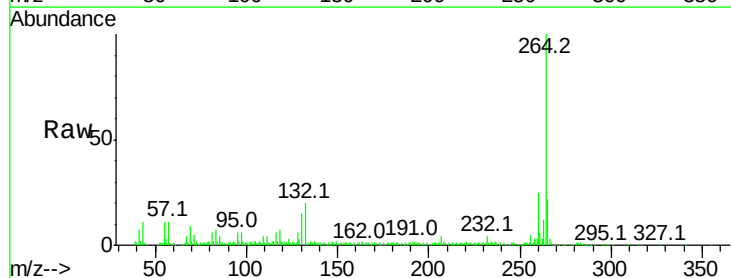
Instrument :
BNA_F
ClientSampleId :

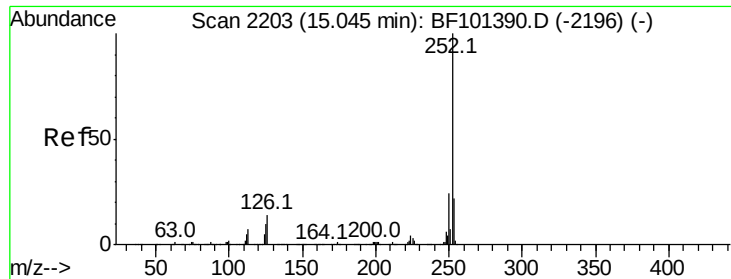
Tot Ion:228 Resp: 60325
Ion Ratio Lower Upper
228 100
226 33.5 25.0 37.6
229 22.4 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101913.D
Acq: 5 Jan 2018 4:13

Tgt Ion:264 Resp: 200979
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 5.185 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

Instrument :

BNA_F

ClientSampleId :

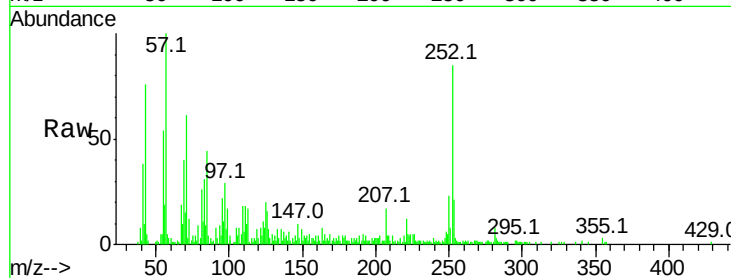
Tot Ion:252 Resp: 63518

Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.6

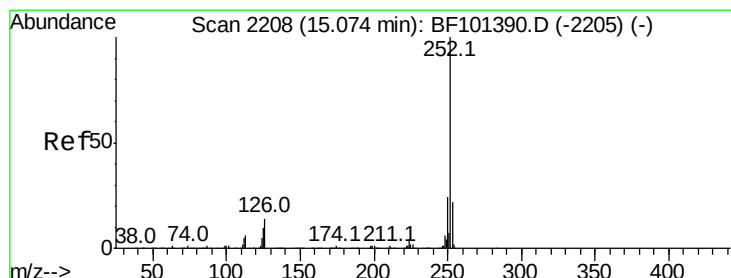
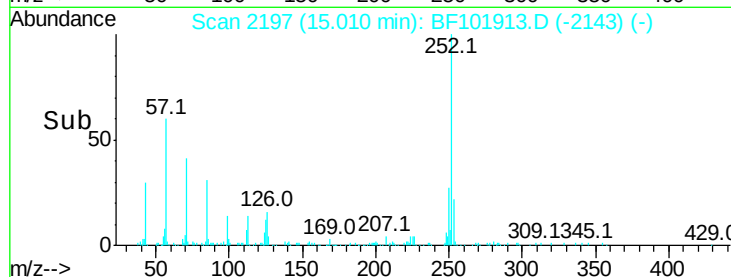
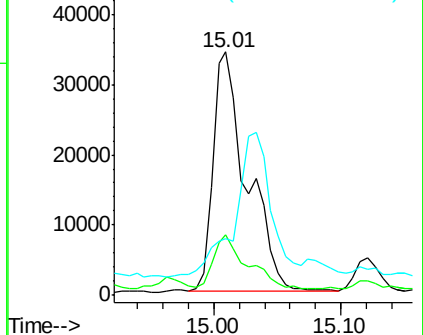
125 23.2 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 5.333 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

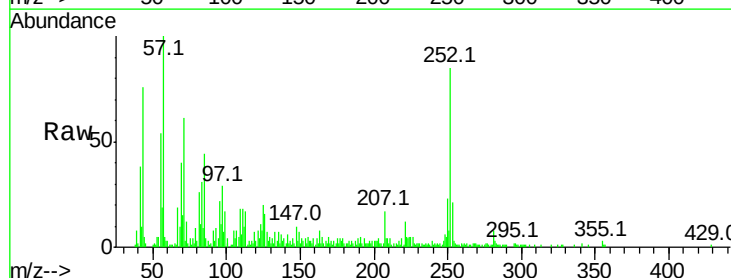
Tgt Ion:252 Resp: 63518

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

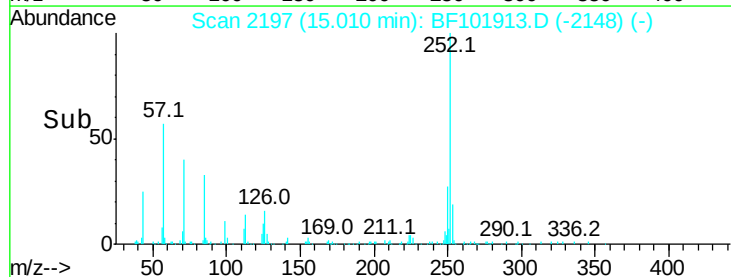
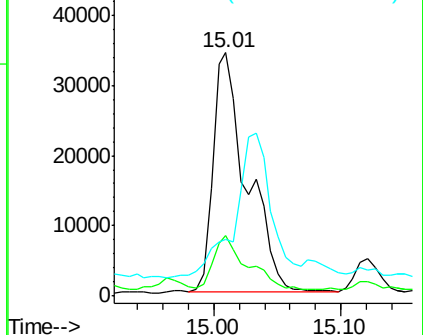
125 23.2 10.2 15.2#

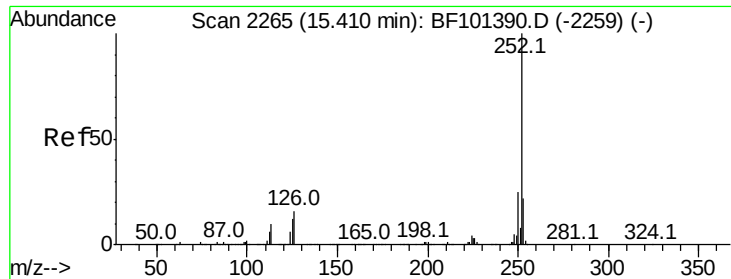


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.642 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF101913.D

Acq: 5 Jan 2018 4:13

Instrument :

BNA_F

ClientSampleId :

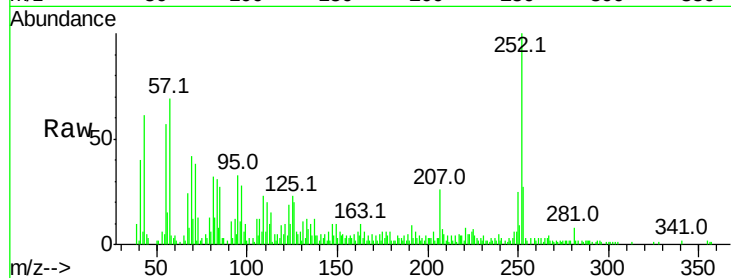
Tot Ion:252 Resp: 29841

Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

125 23.2 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

