

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104711.D
 Acq On : 23 Apr 2018 16:00
 Operator : JU/SJ
 Sample : J2499-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 17:31:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	110160	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	426574	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	166176	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	267880	20.00	ng	0.00
75) Chrysene-d12	13.99	240	175866	20.00	ng	0.00
86) Perylene-d12	15.47	264	131384	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	708154	98.29	ng	0.02
7) Phenol-d6	6.46	99	835204	94.35	ng	0.01
23) Nitrobenzene-d5	7.37	82	459675	70.37	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	153127	88.83	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	792067	75.30	ng	0.00
78) Terphenyl-d14	12.93	244	599137	77.67	ng	0.00

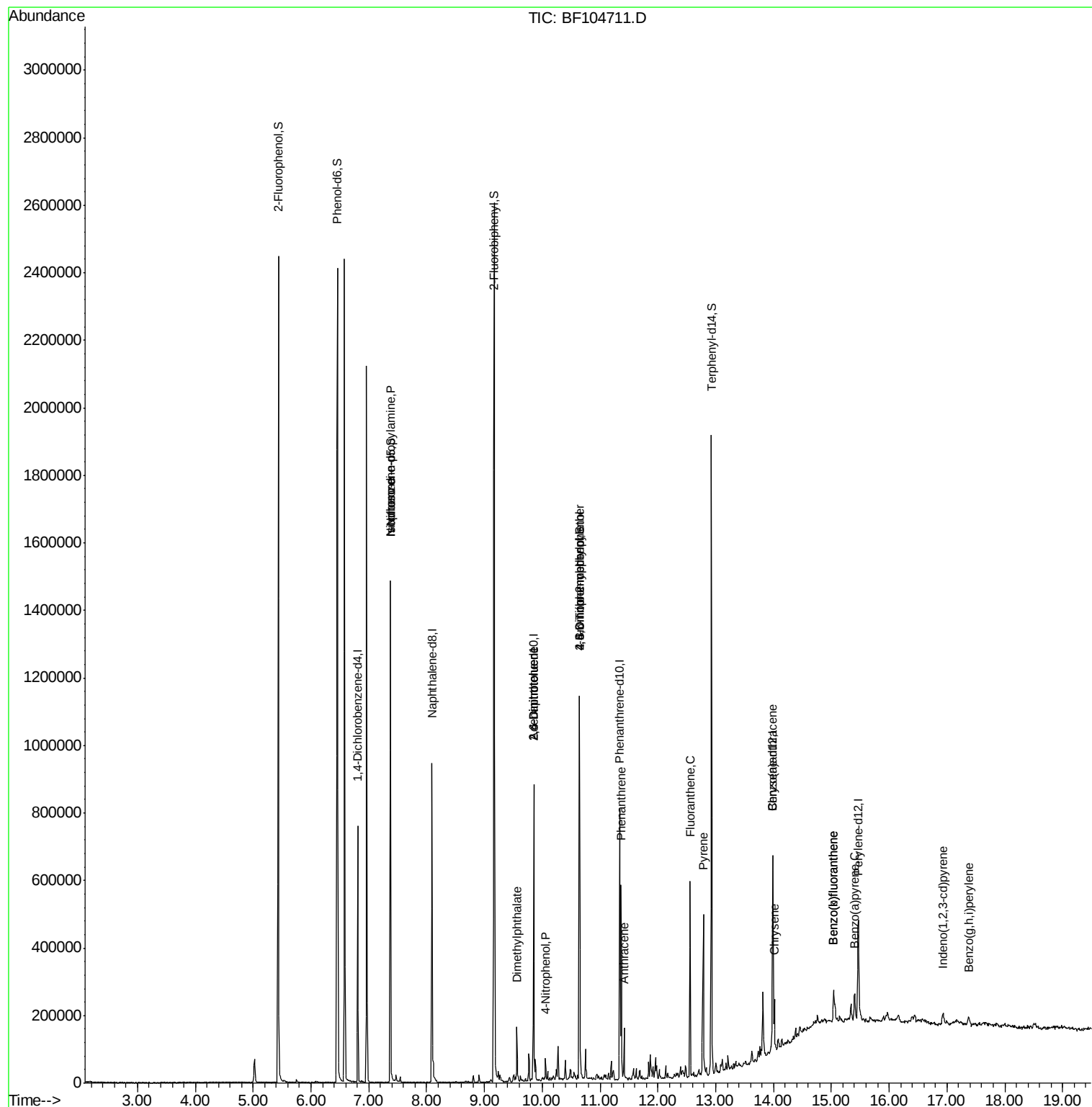
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.37	70	58972	10.195	ng	# 72
25) Isophorone	7.37	82	459667	33.275	ng	# 64
49) Dimethylphthalate	9.56	163	62305	4.755	ng	100
50) 2,6-Dinitrotoluene	9.85	165	21828	9.002	ng	# 26
55) 4-Nitrophenol	10.06	139	7945	3.563	ng	# 9
56) 2,4-Dinitrotoluene	9.85	165	21828	6.863	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.64	198	166	7.455	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9404	3.300	ng	# 1
70) Phenanthrene	11.36	178	184113	12.342	ng	97
71) Anthracene	11.42	178	56338	3.715	ng	97
74) Fluoranthene	12.56	202	209102	13.416	ng	97
76) Benzidine	12.93	184	8140	Below Cal		96
77) Pvrene	12.79	202	173862	13.337	ng	98
80) Benzo(a)anthracene	13.98	228	69322	6.598	ng	98
82) Chrysene	14.02	228	59794	5.541	ng	96
85) Indeno(1,2,3-cd)pyrene	16.93	276	21837	2.382	ng	# 92
87) Benzo(b)fluoranthene	15.04	252	72146	8.694	ng	# 93
88) Benzo(k)fluoranthene	15.04	252	72146	9.209	ng	# 96
89) Benzo(a)pvrene	15.40	252	38312	5.160	ng	# 91
91) Benzo(a,h,i)perylene	17.37	276	19505	3.302	ng	96

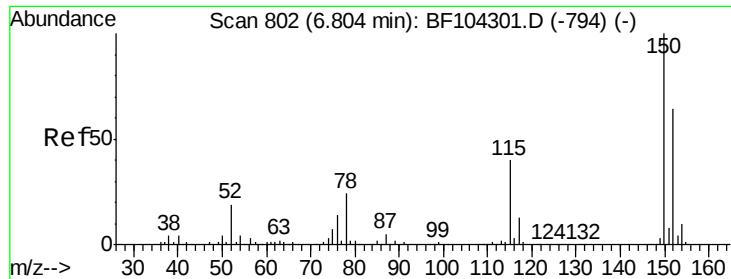
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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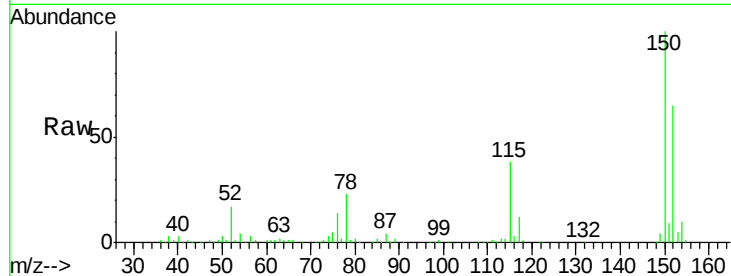


#1

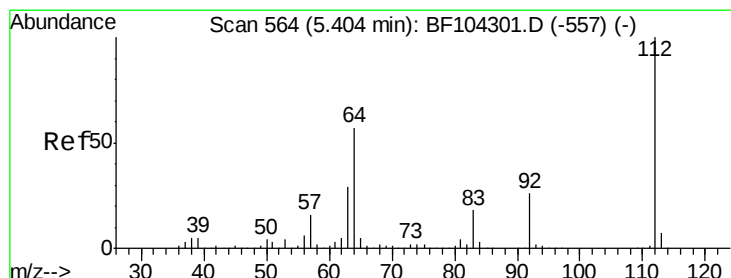
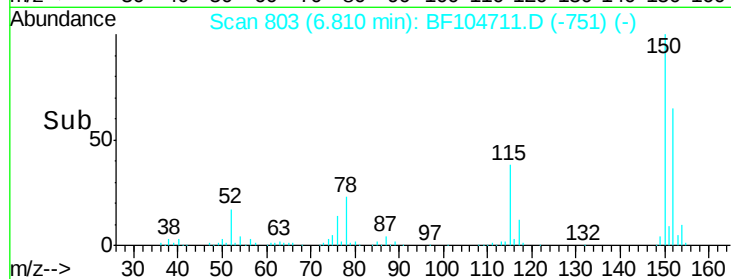
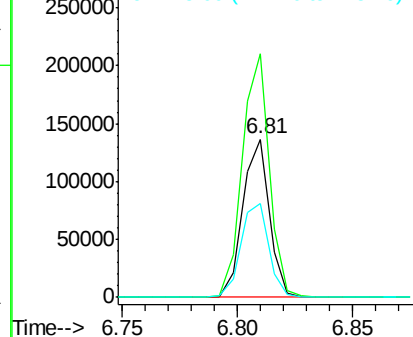
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110160
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 59.1 50.1 75.1



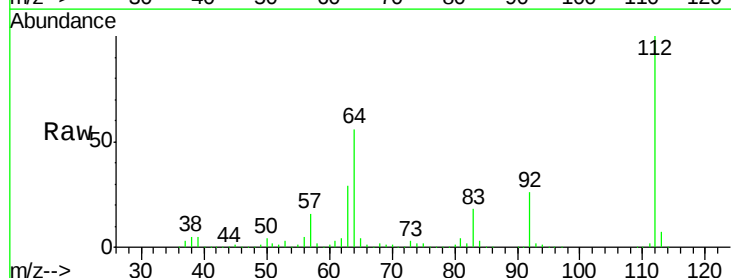
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



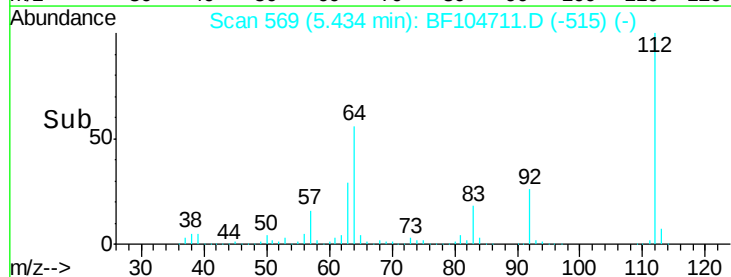
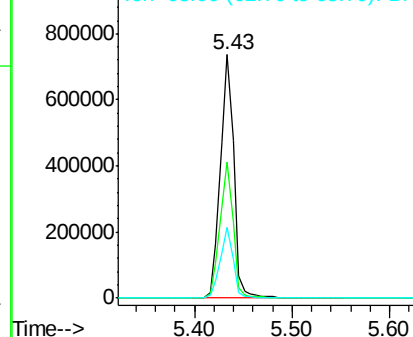
#5

2-Fluorophenol
Concen: 98.294 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion:112 Resp: 708154
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 28.8 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: 94.353 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

ClientSampled :

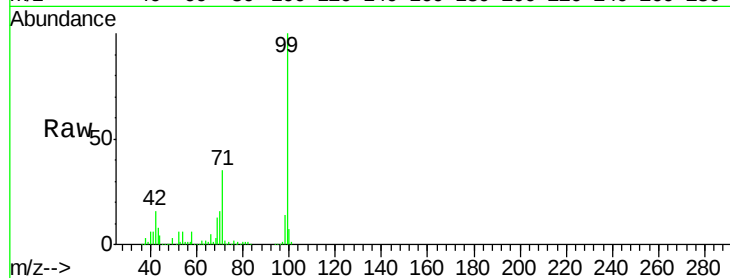
Tot Ion: 99 Resp: 835204

Ion Ratio Lower Upper

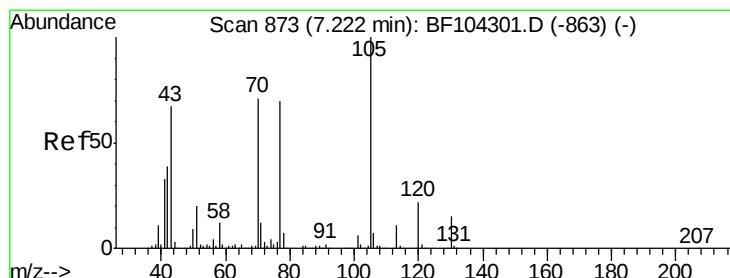
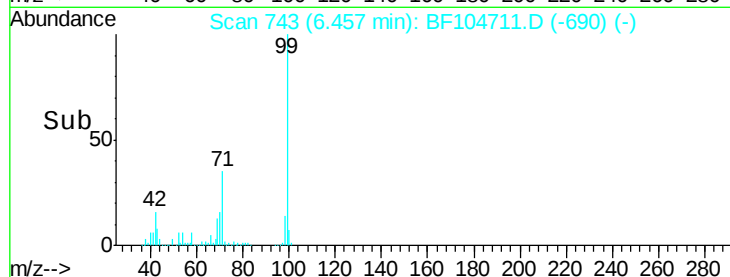
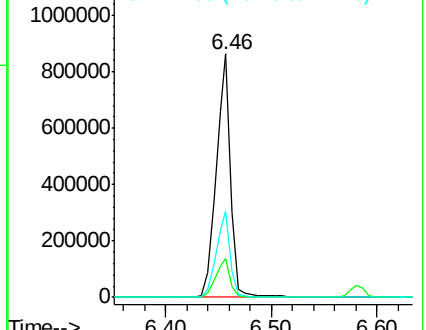
99 100

42 16.2 14.5 21.7

71 35.4 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: 10.195 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Tgt Ion: 70 Resp: 58972

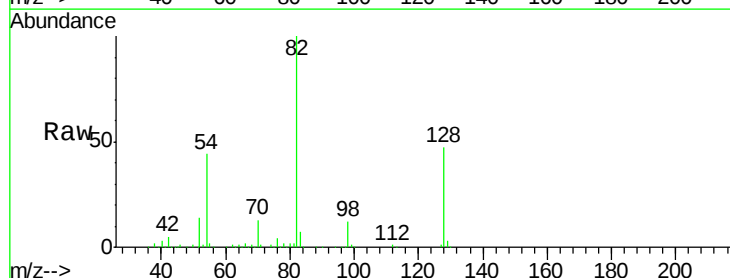
Ion Ratio Lower Upper

70 100

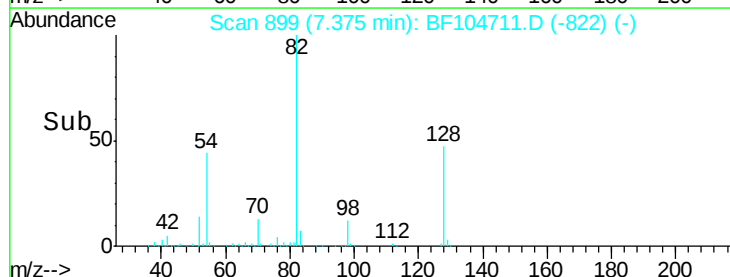
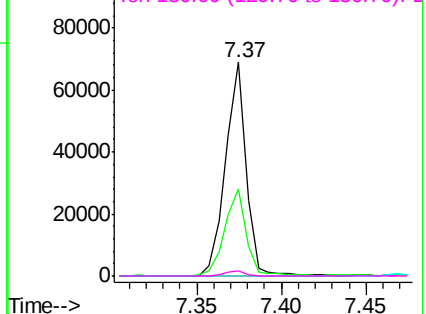
42 40.8 47.5 71.3#

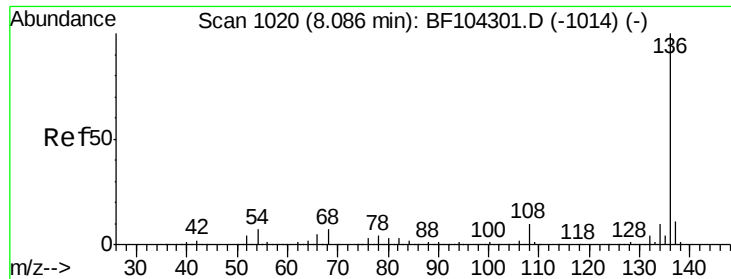
101 0.0 7.4 11.2#

130 2.5 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

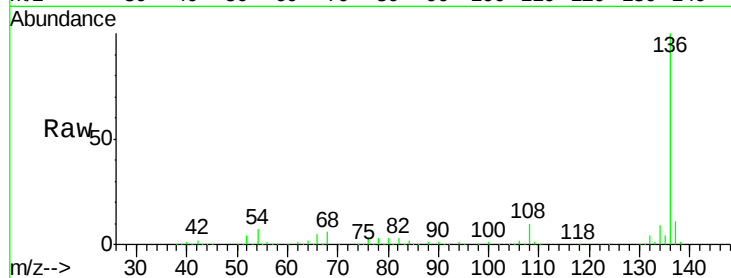




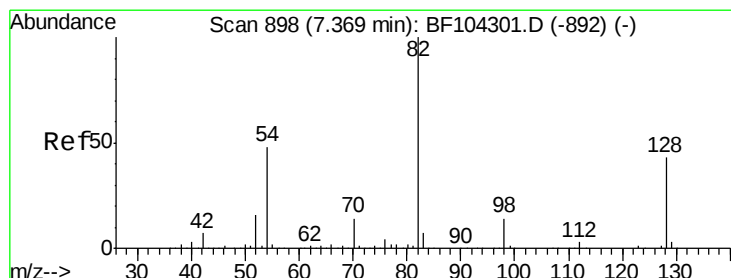
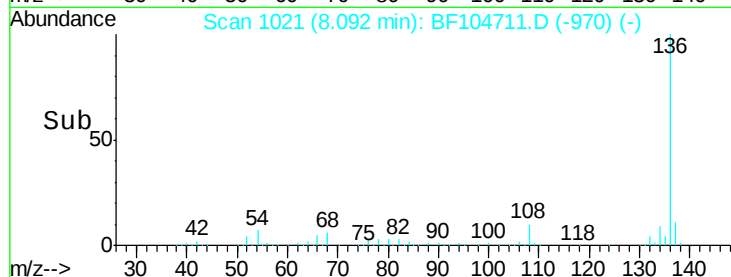
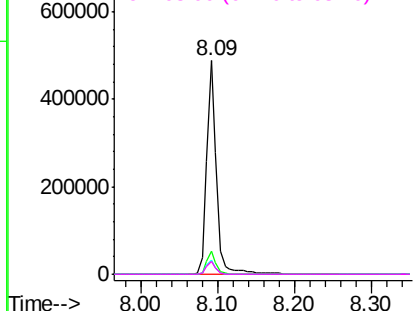
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	426574
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.7	6.6 9.8
68	6.1	5.0 7.4

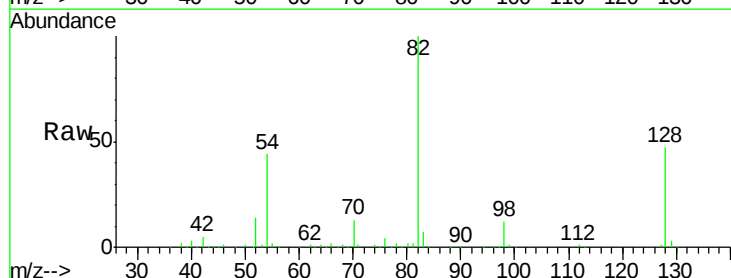


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

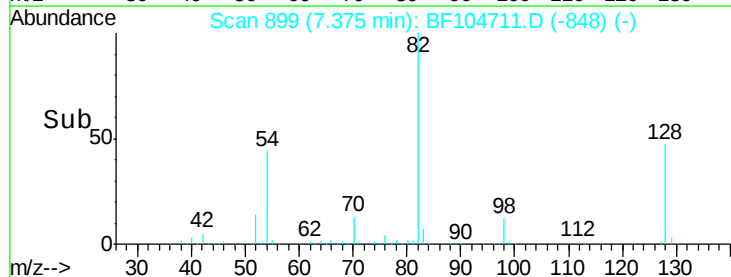
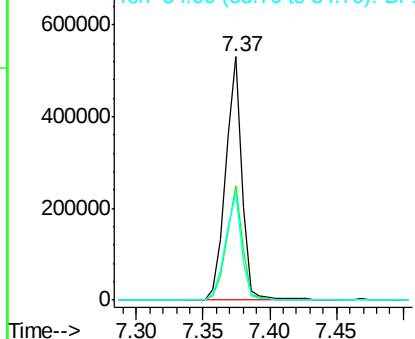


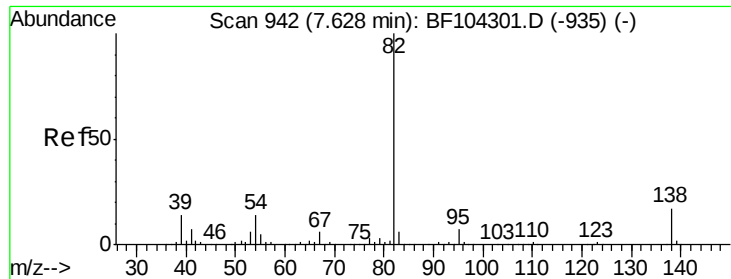
#23
Nitrobenzene-d5
Concen: 70.365 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion: 82	Resp:	459675
Ion Ratio	Lower	Upper
82	100	
128	46.9	36.1 54.1
54	44.0	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: 33.275 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

ClientSampleId :

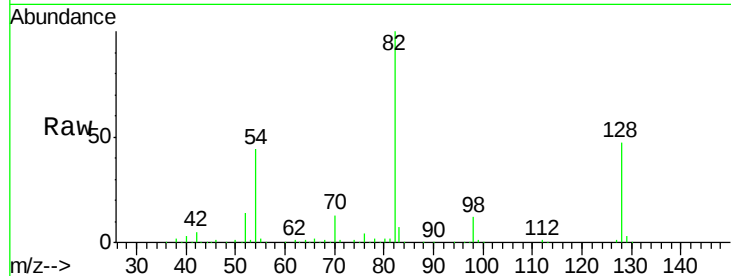
Tot Ion: 82 Resp: 459667

Ion Ratio Lower Upper

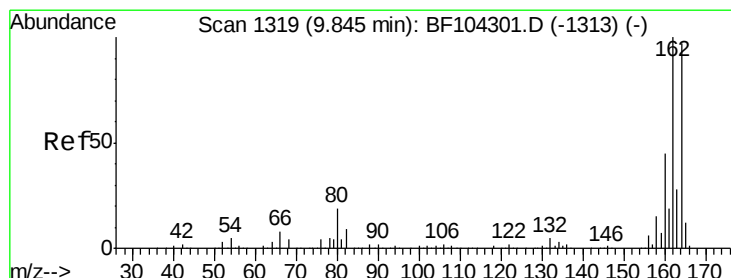
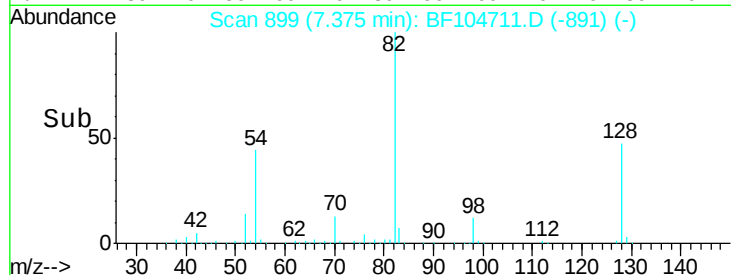
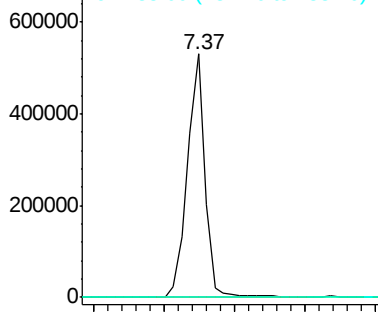
82 100

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: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

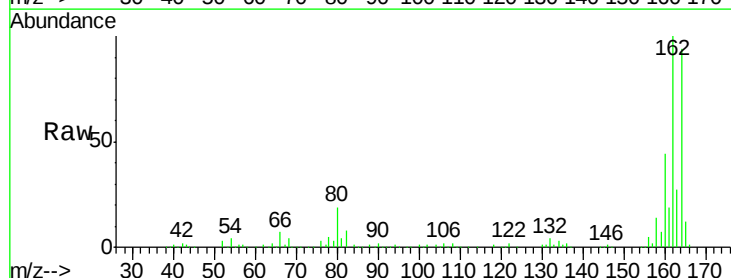
Tgt Ion:164 Resp: 166176

Ion Ratio Lower Upper

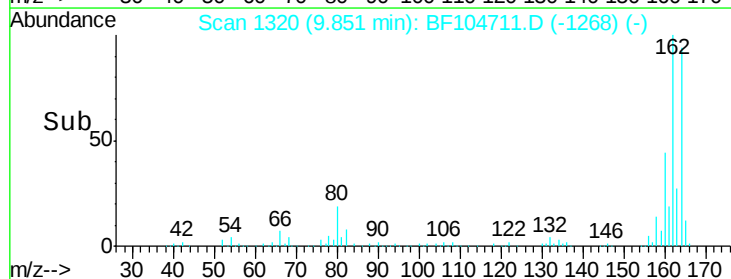
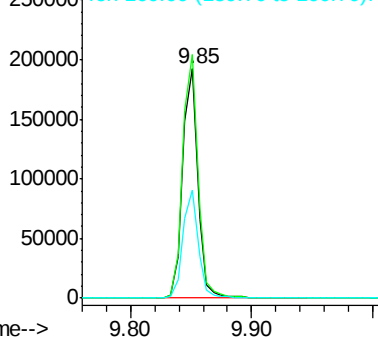
164 100

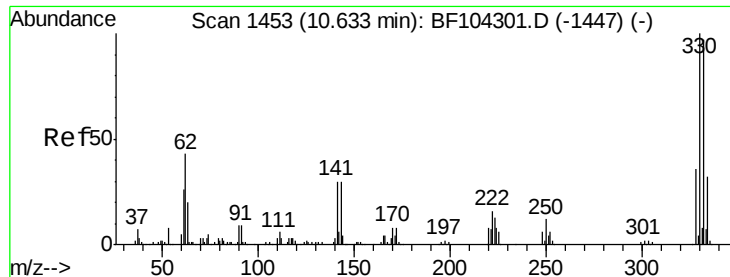
162 106.2 86.1 129.1

160 47.0 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

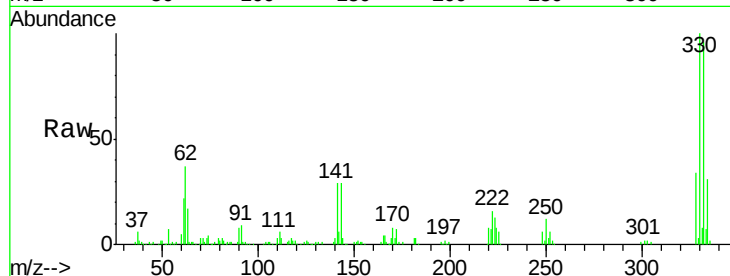




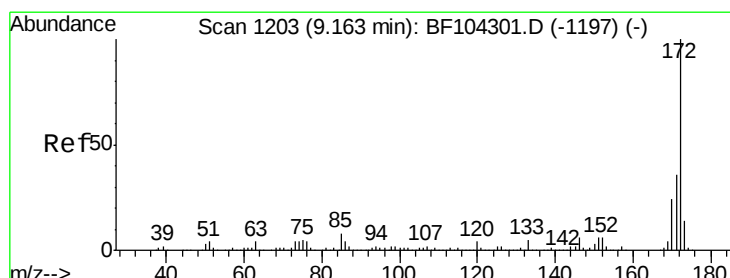
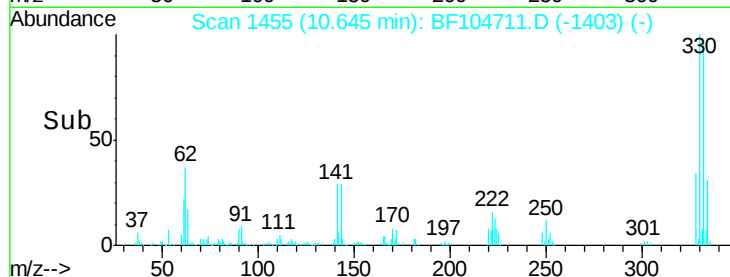
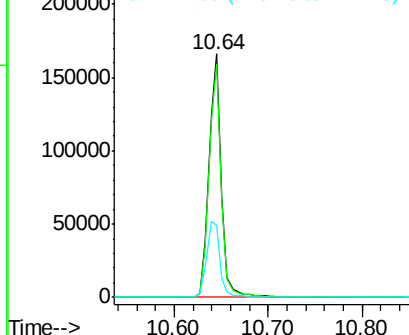
#41
 2,4,6-Tribromophenol
 Concen: 88.832 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	33.8	29.9	44.9

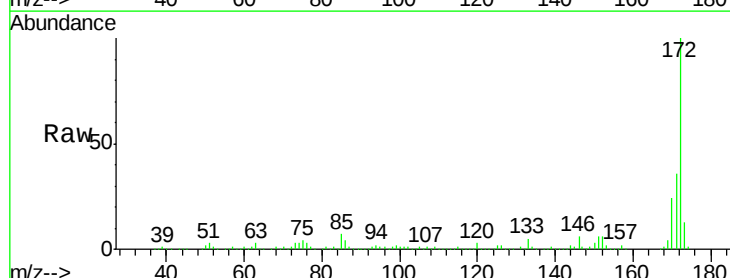


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

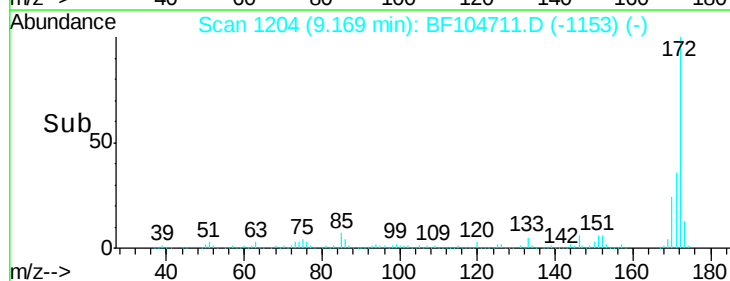
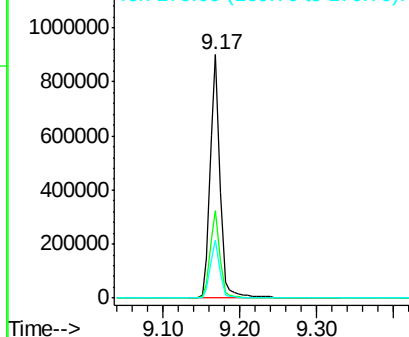


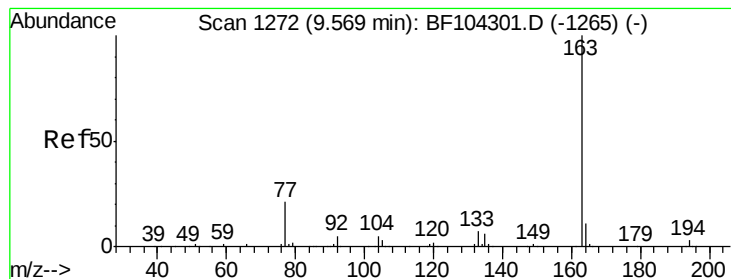
#44
 2-Fluorobiphenyl
 Concen: 75.298 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.9	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: 4.755 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

ClientSampled :

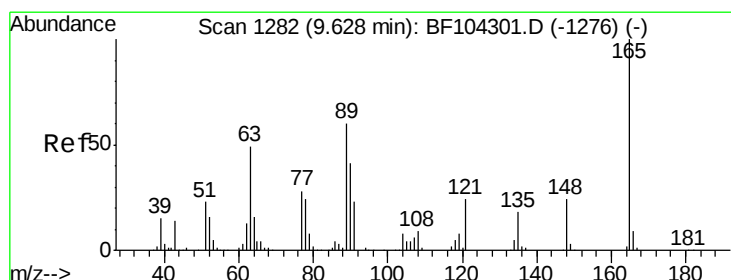
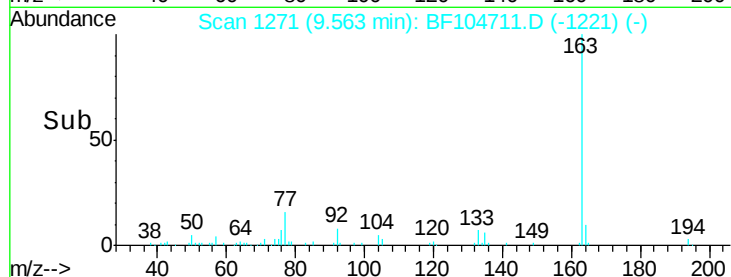
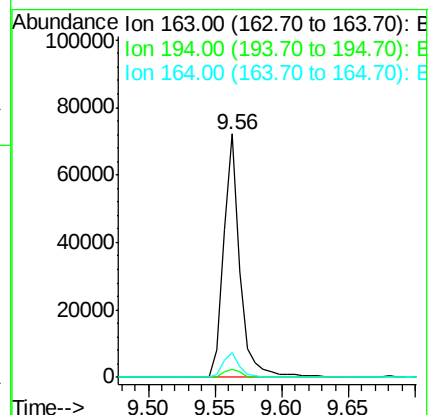
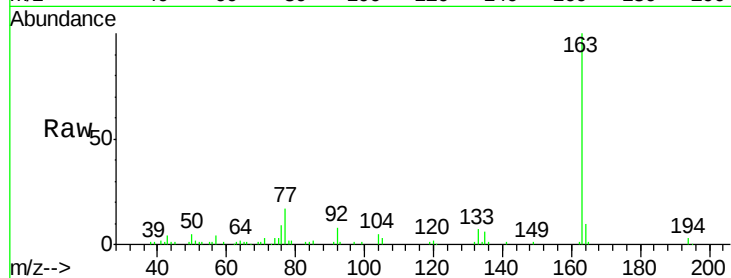
Tot Ion:163 Resp: 62305

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

164 10.1 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 9.002 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

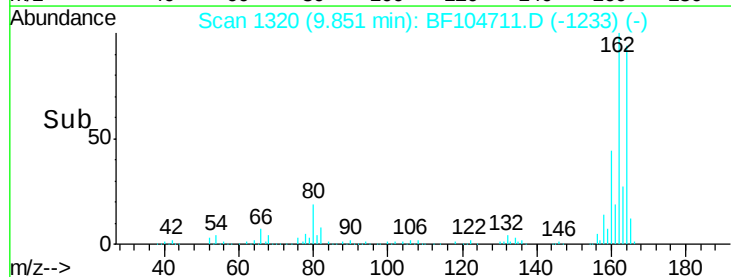
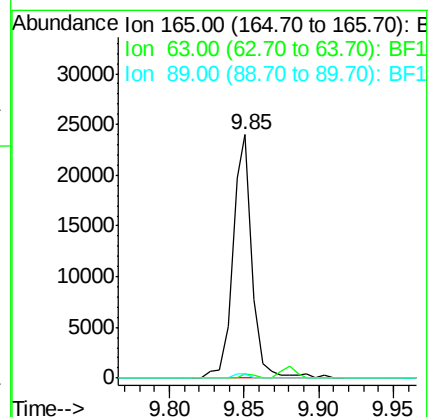
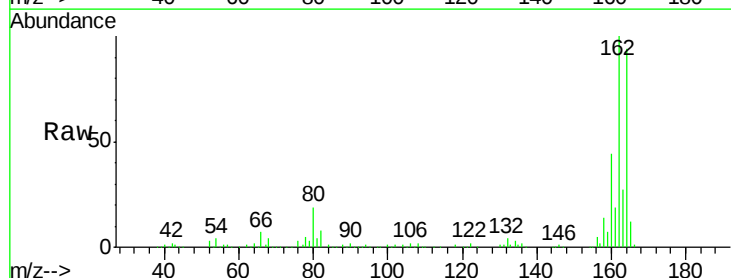
Tgt Ion:165 Resp: 21828

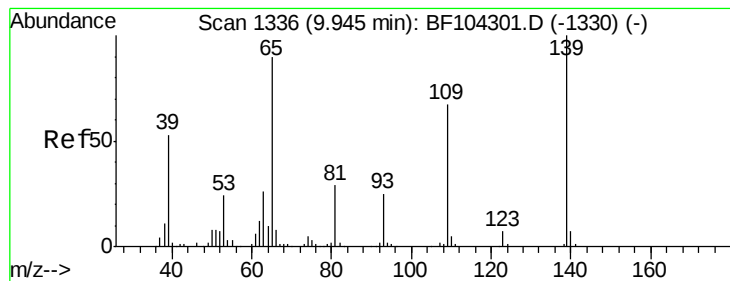
Ion Ratio Lower Upper

165 100

63 2.0 44.7 67.1#

89 1.9 44.0 66.0#





#55

4-Nitrophenol

Concen: 3.563 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.08 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

ClientSampleId :

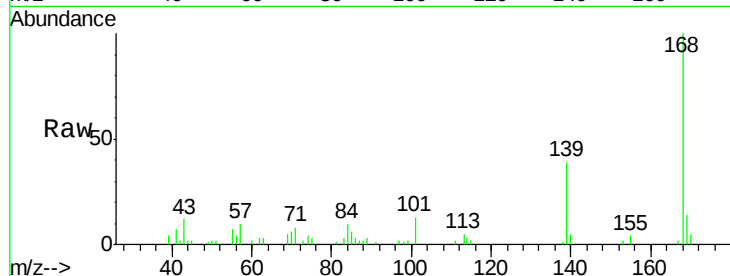
Tot Ion:139 Resp: 7945

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

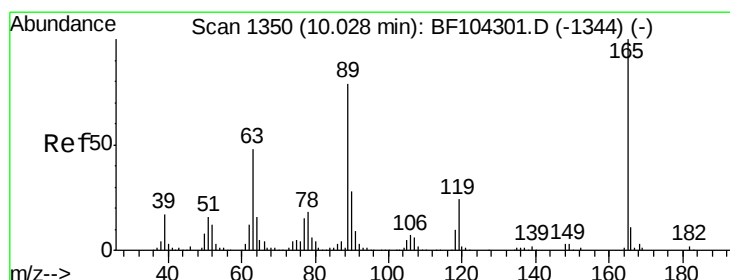
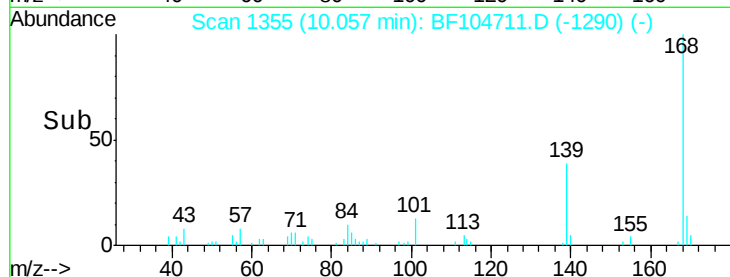
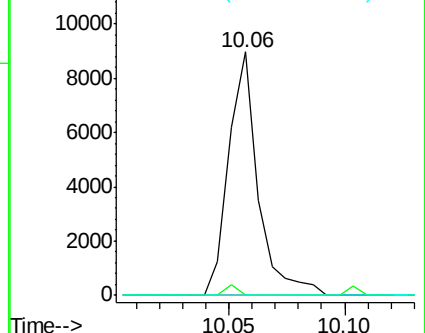
65 0.0 72.6 112.6#



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



#56

2,4-Dinitrotoluene

Concen: 6.863 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Tgt Ion:165 Resp: 21828

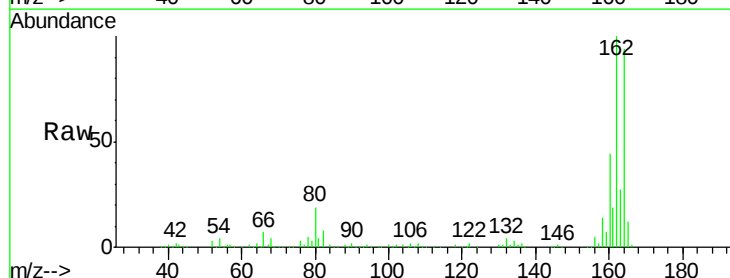
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

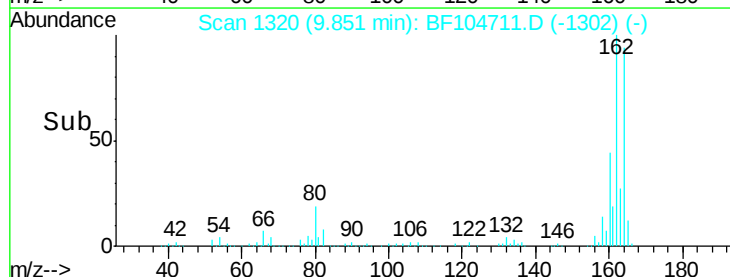
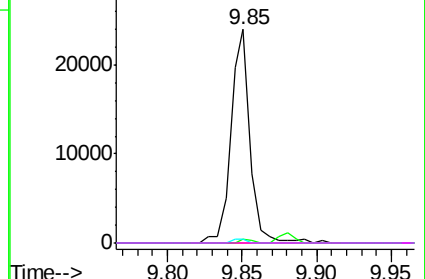


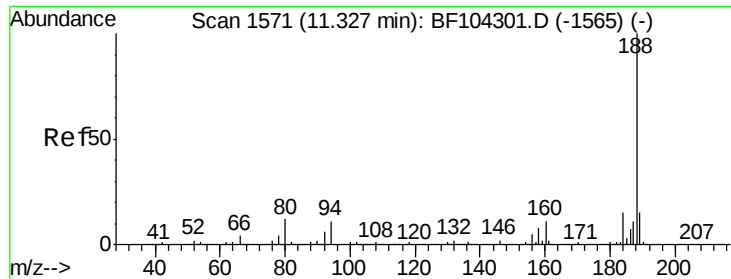
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

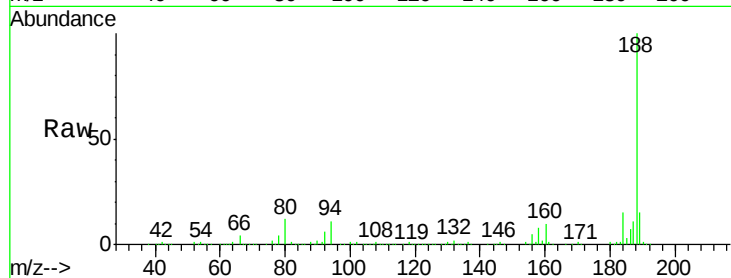




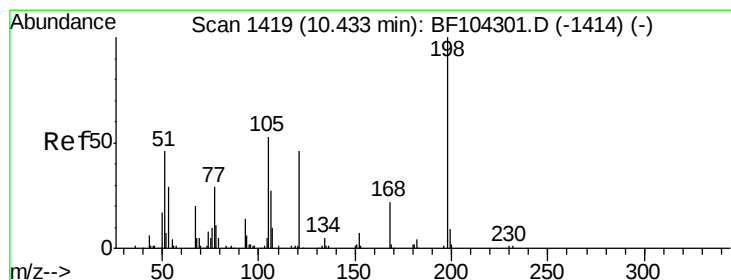
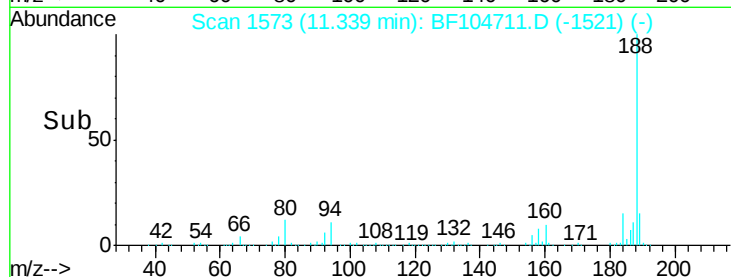
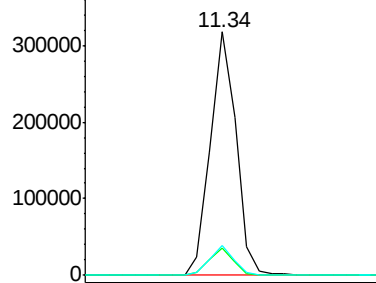
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 267880
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 12.1 9.2 13.8

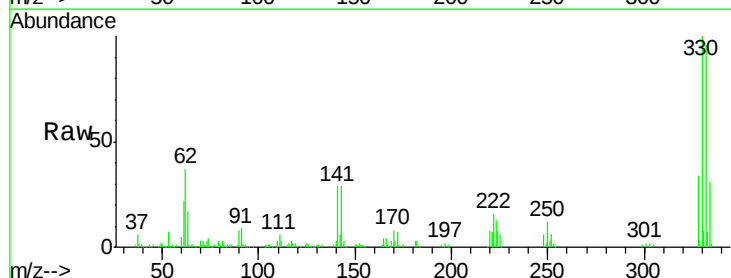


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

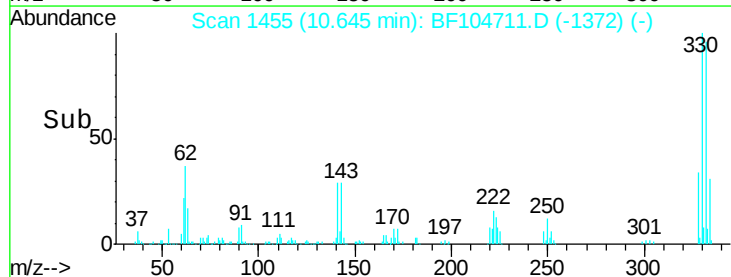
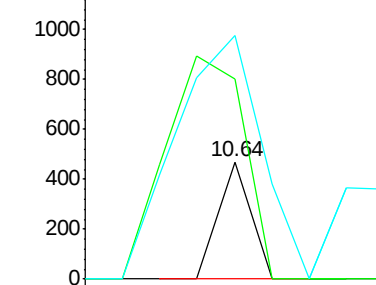


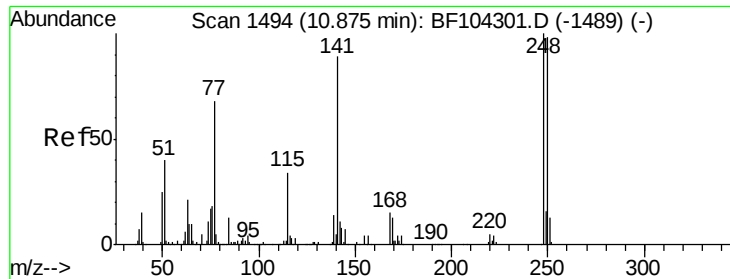
#64
4,6-Dinitro-2-methylphenol
Concen: 7.455 ng
RT: 10.64 min Scan# 1455
Delta R.T. 0.19 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion:198 Resp: 166
Ion Ratio Lower Upper
198 100
51 170.3 37.7 77.7#
105 207.2 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

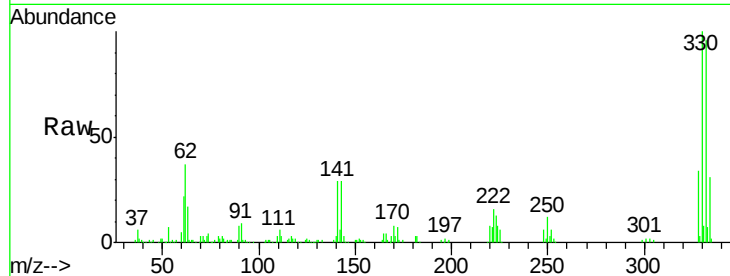




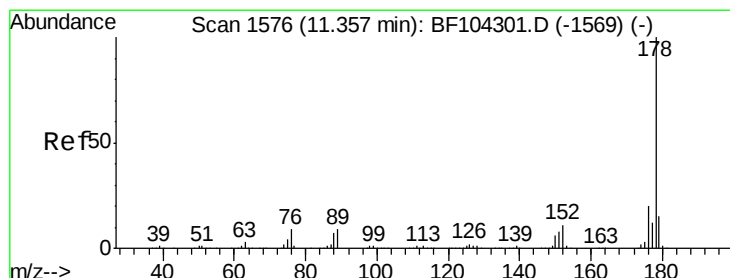
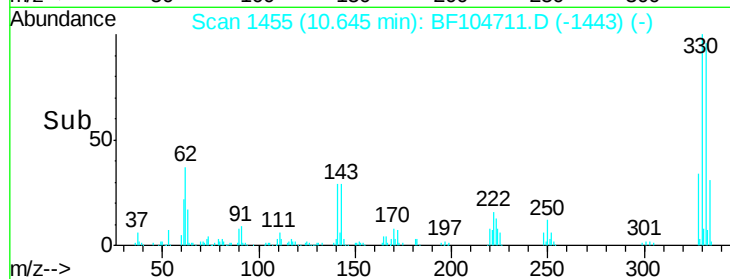
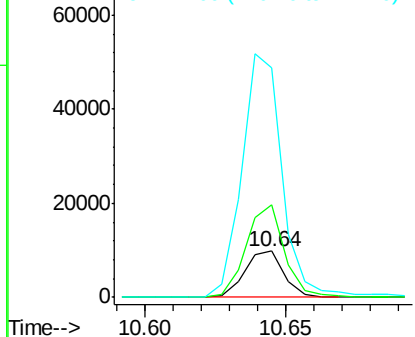
#66
 4-Bromophenyl-phenylether
 Concen: 3.300 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.23 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9404
 Ion Ratio Lower Upper
 248 100
 250 199.8 76.9 115.3#
 141 498.1 74.4 111.6#

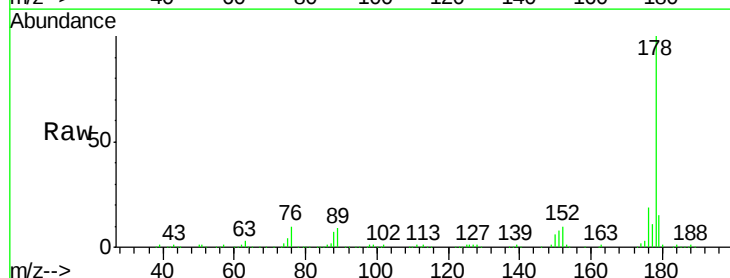


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

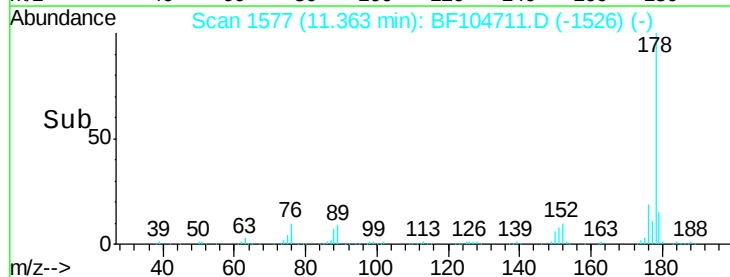
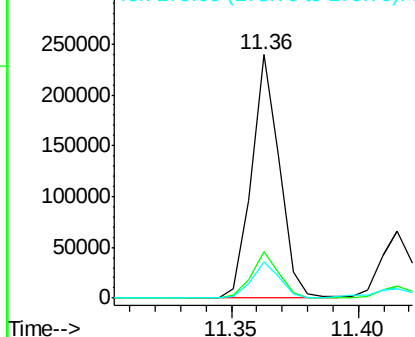


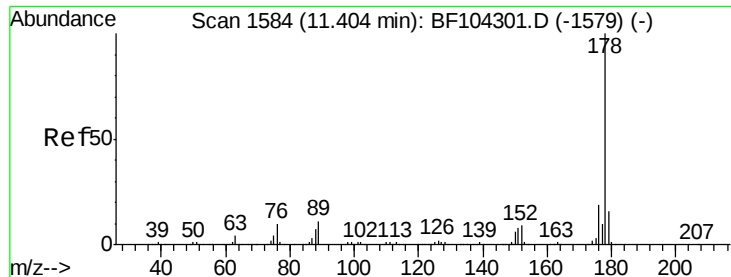
#70
 Phenanthrene
 Concen: 12.342 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Tgt Ion:178 Resp: 184113
 Ion Ratio Lower Upper
 178 100
 176 18.9 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

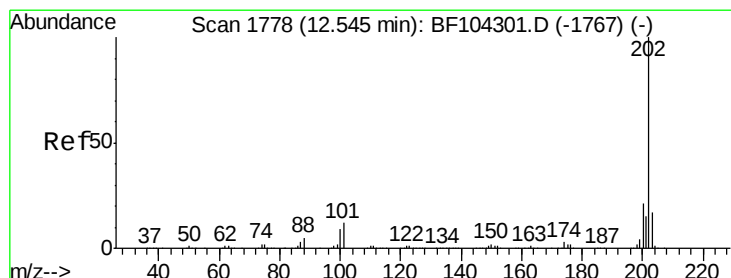
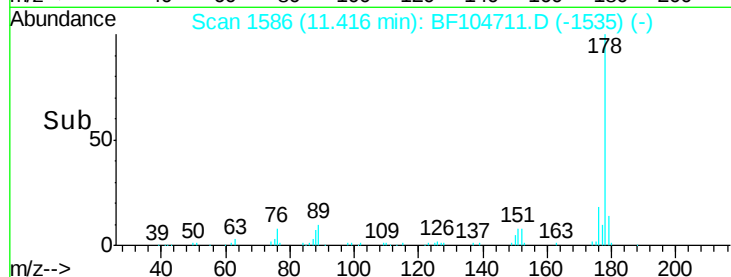
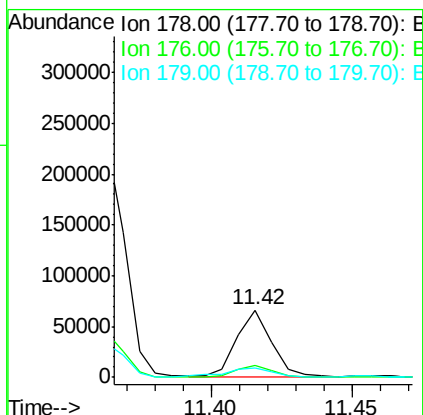
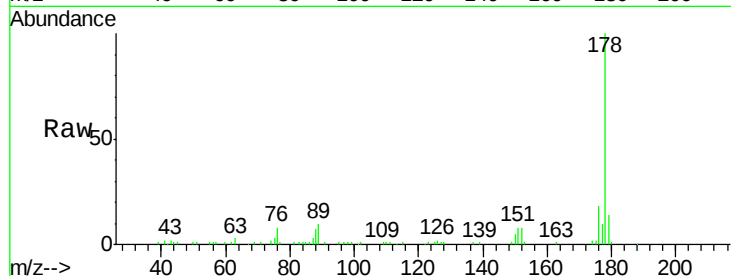




#71
 Anthracene
 Concen: 3.715 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

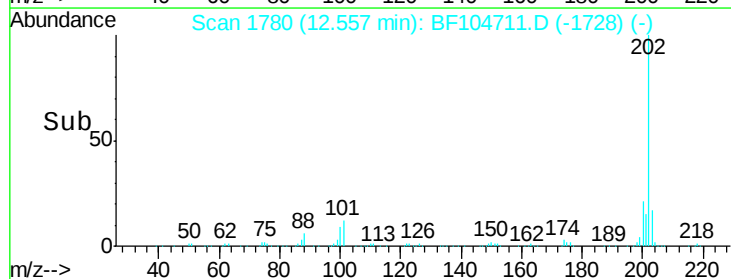
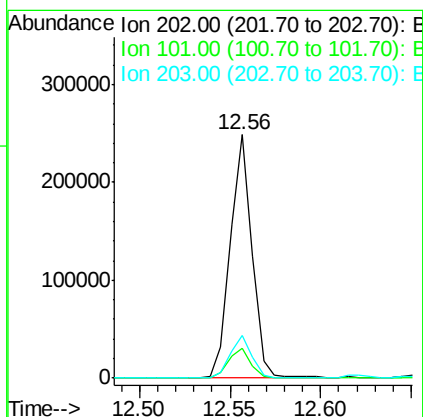
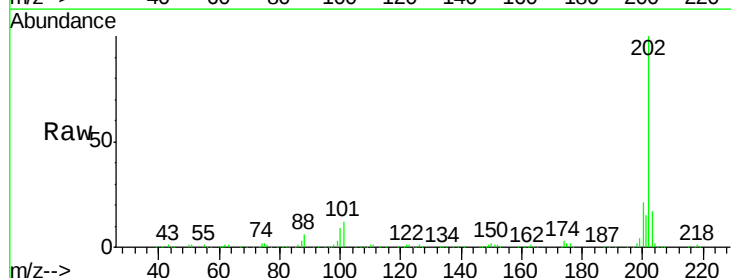
Instrument :
 BNA_F
 ClientSampleId :

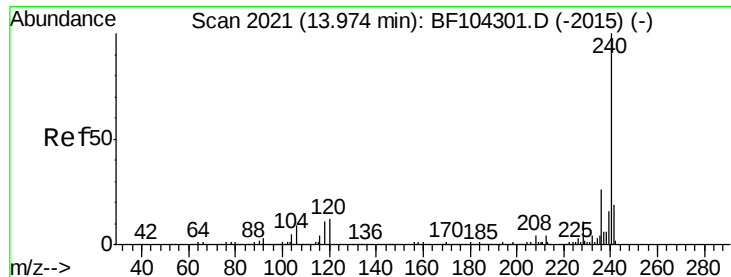
Tot Ion:178 Resp: 56338
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 14.1 12.6 19.0



#74
 Fluoranthene
 Concen: 13.416 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Tgt Ion:202 Resp: 209102
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 34.1
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

ClientSampleId :

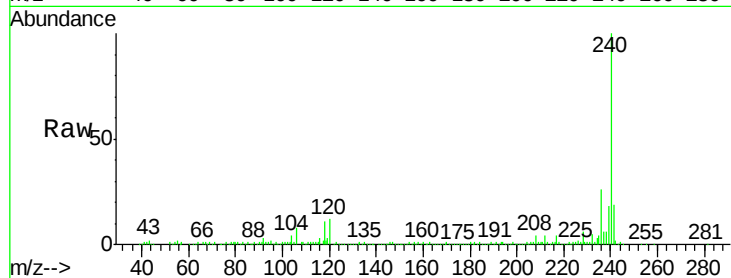
Tot Ion:240 Resp: 175866

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

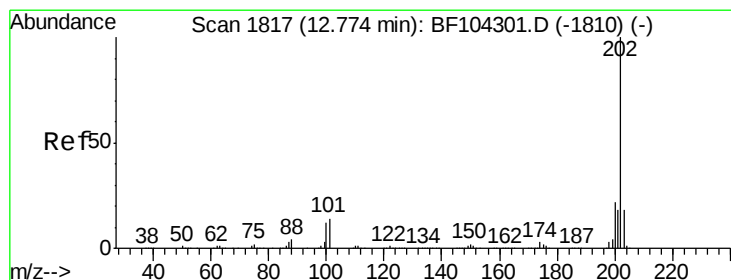
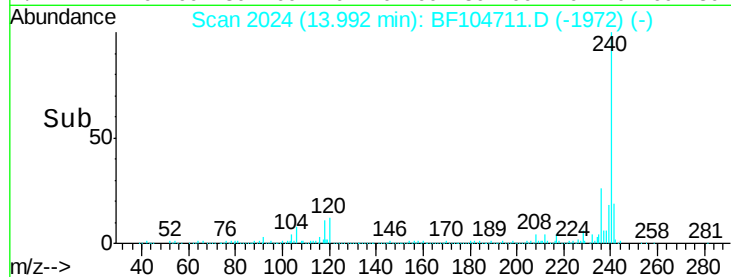
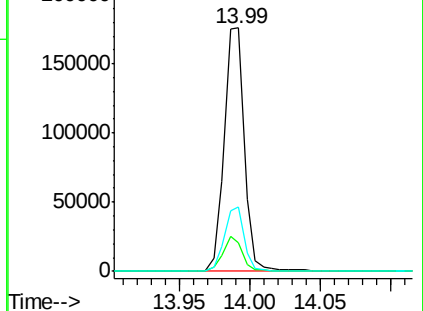
236 26.4 20.7 31.1



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: 13.337 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

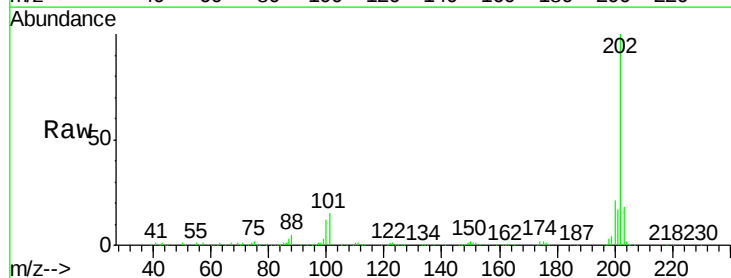
Tgt Ion:202 Resp: 173862

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

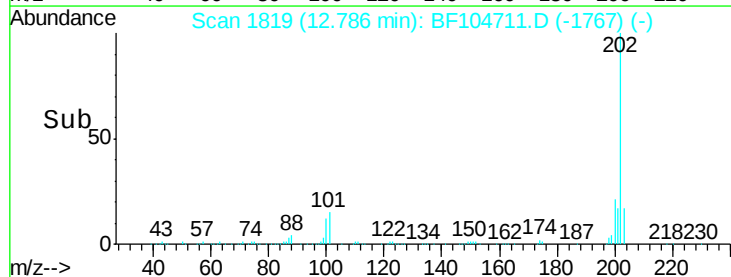
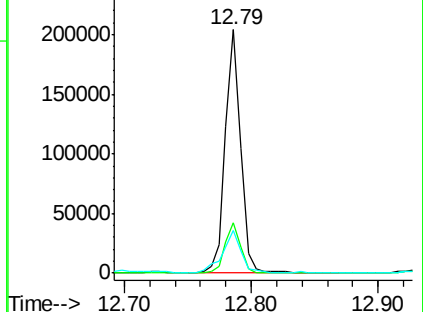
203 17.5 14.3 21.5

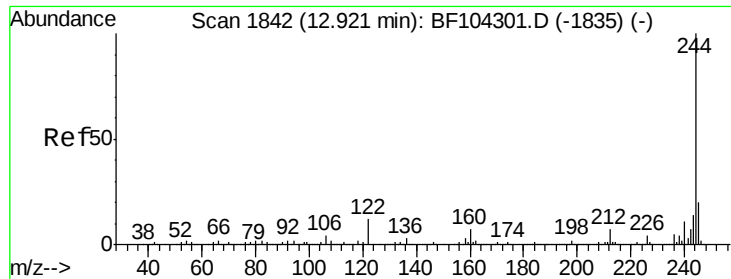


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

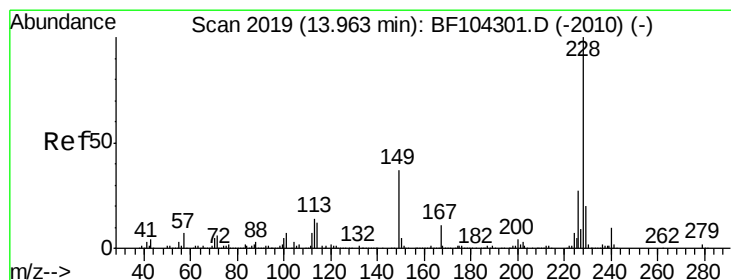
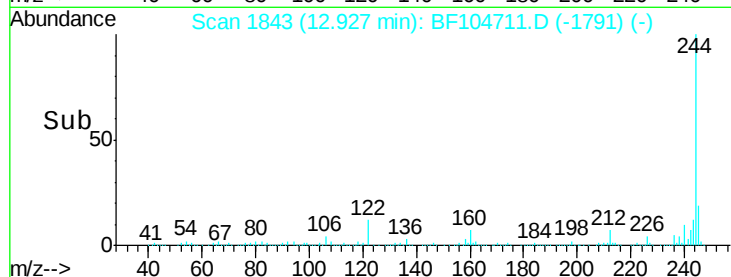
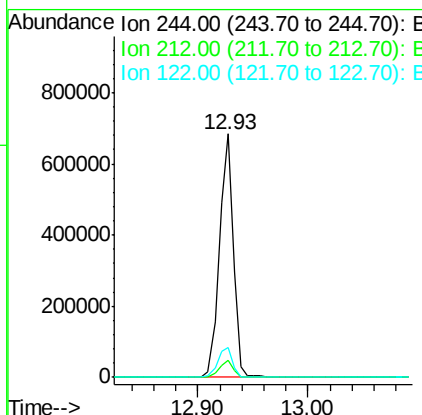
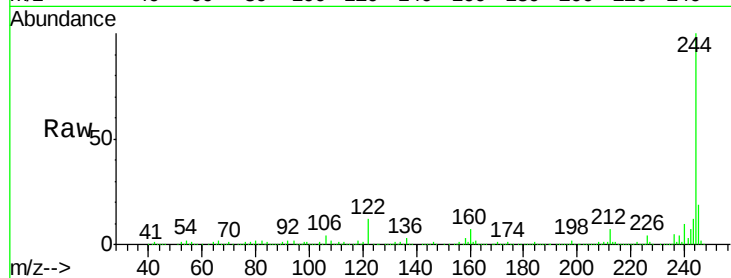




#78
 Terphenyl-d14
 Concen: 77.669 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

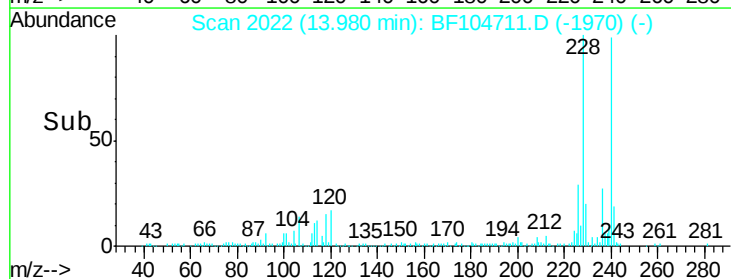
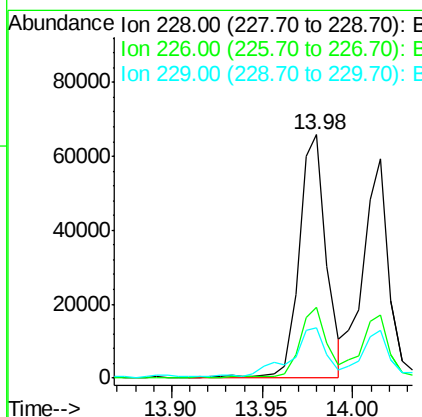
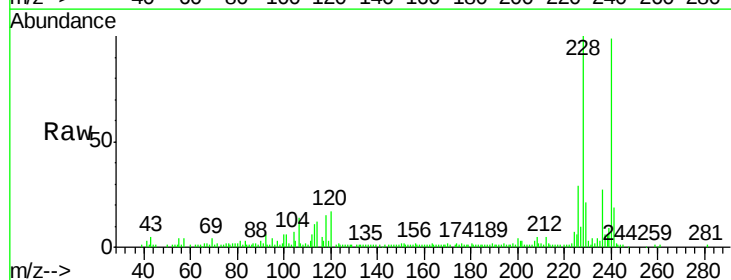
Instrument :
 BNA_F
 ClientSampleId :

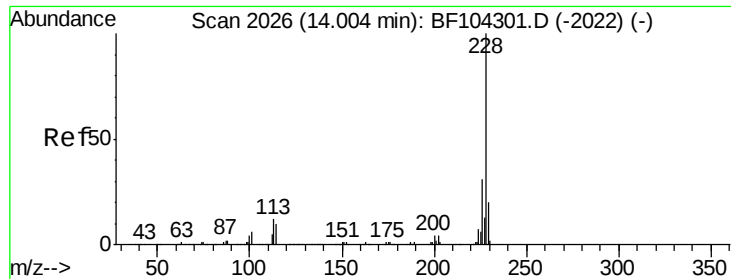
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.0	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 6.598 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.6	15.8	23.6

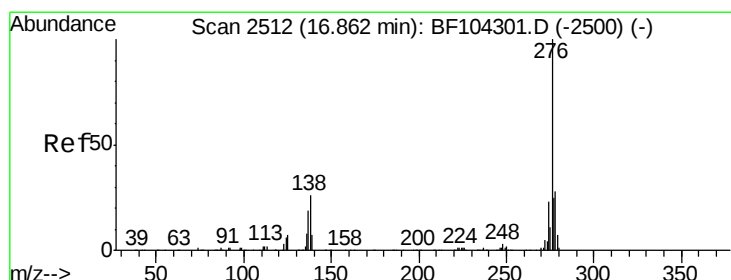
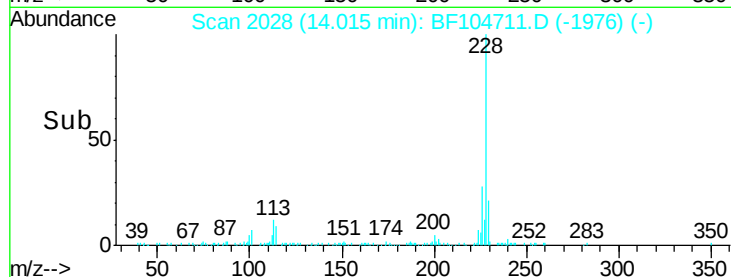
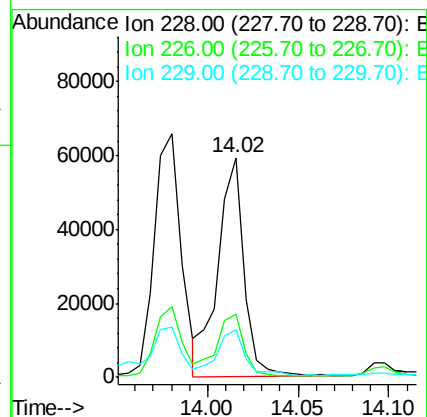
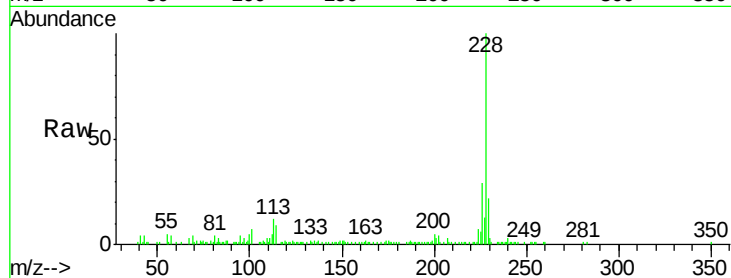




#82
Chrysene
Concen: 5.541 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

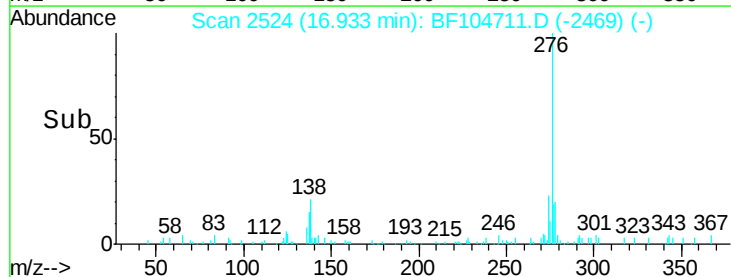
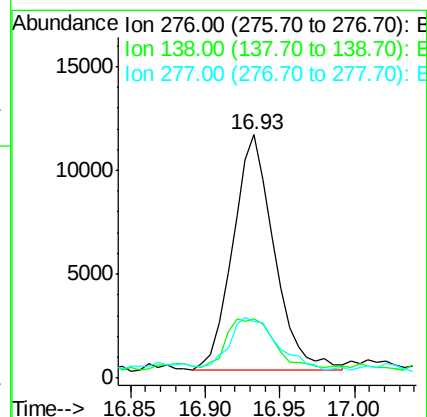
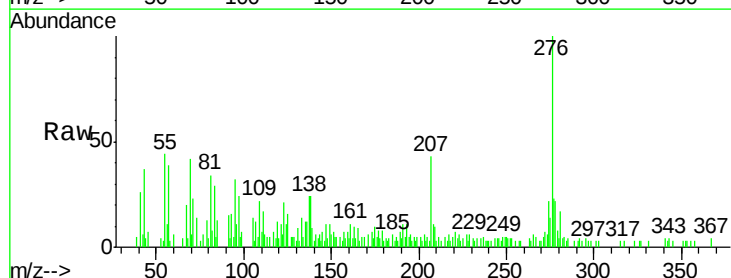
Instrument :
BNA_F
ClientSampleId :

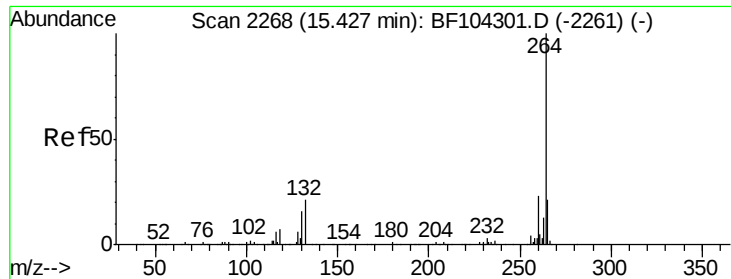
Tot Ion:228 Resp: 59794
Ion Ratio Lower Upper
228 100
226 28.6 25.0 37.6
229 21.7 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.382 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion:276 Resp: 21837
Ion Ratio Lower Upper
276 100
138 23.6 25.0 37.6#
277 25.2 20.1 30.1

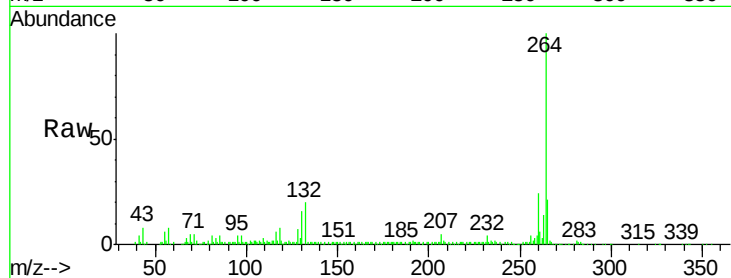




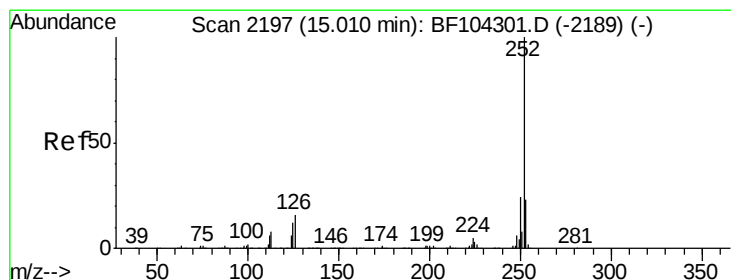
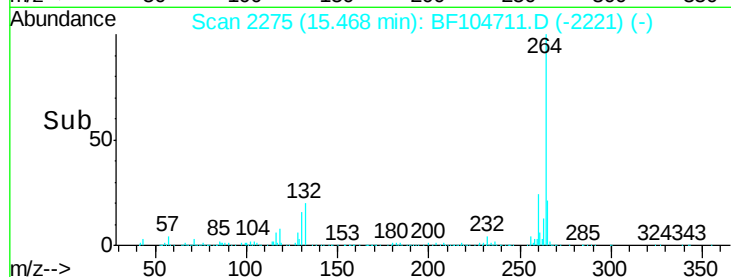
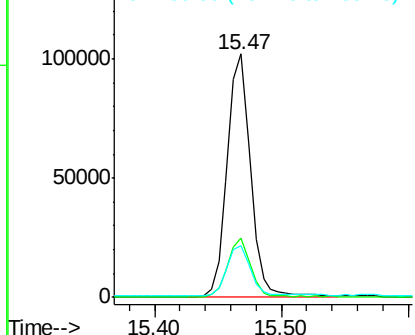
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 131384
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.3 17.5 26.3

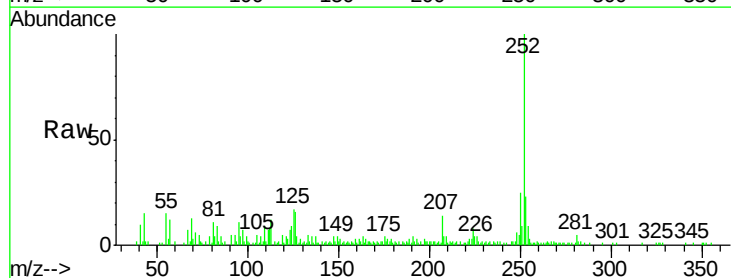


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

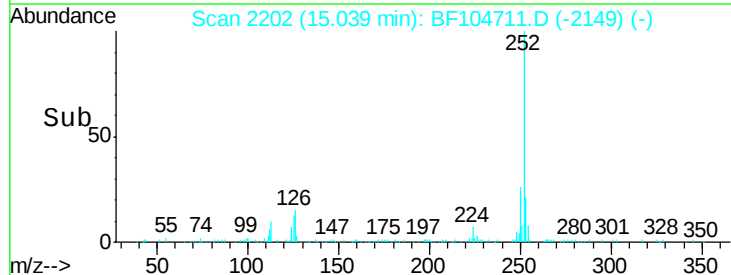
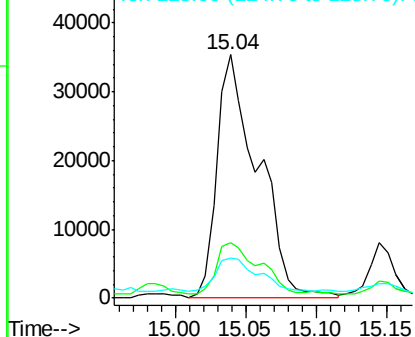


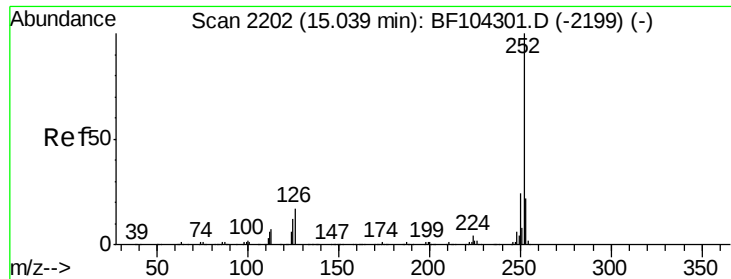
#87
Benzo(b)fluoranthene
Concen: 8.694 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion:252 Resp: 72146
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 16.7 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

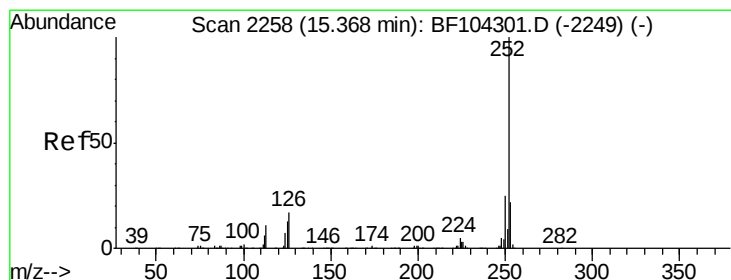
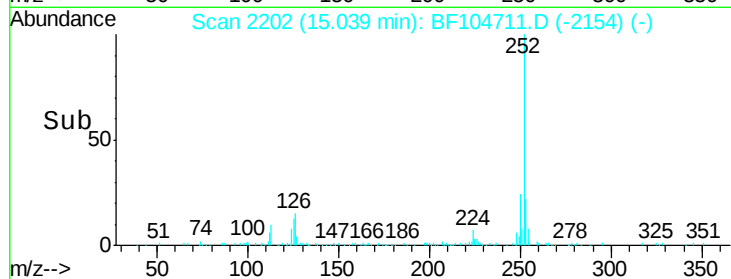
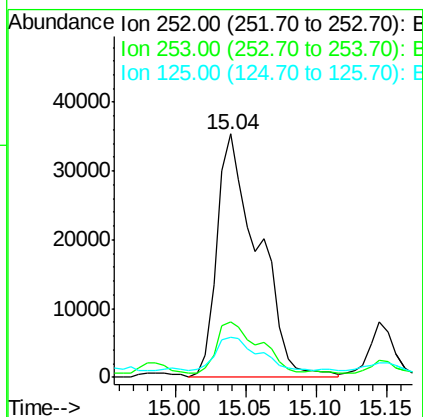
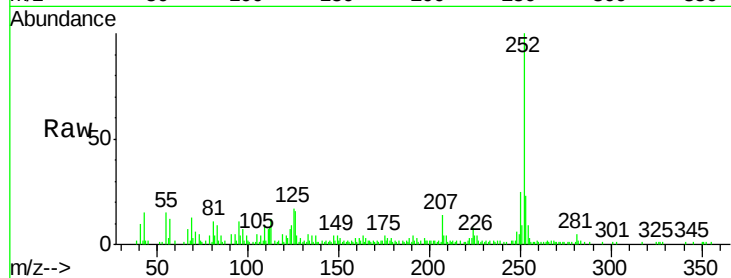




#88
Benzo(k)fluoranthene
Concen: 9.209 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

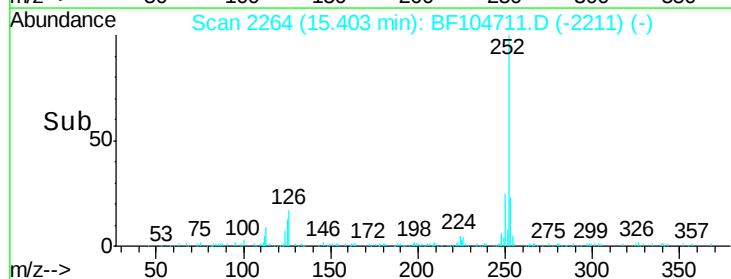
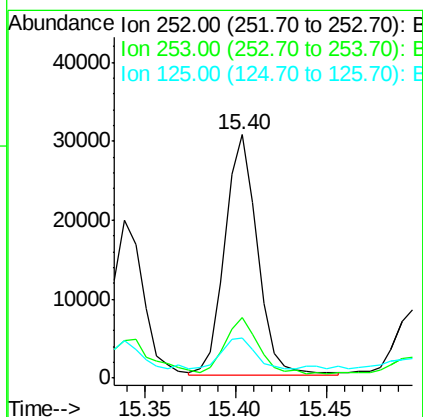
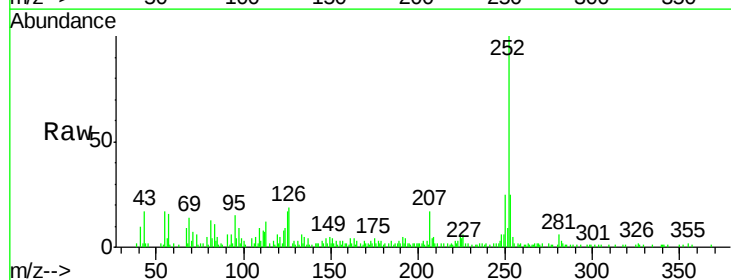
Instrument :
BNA_F
ClientSampleId :

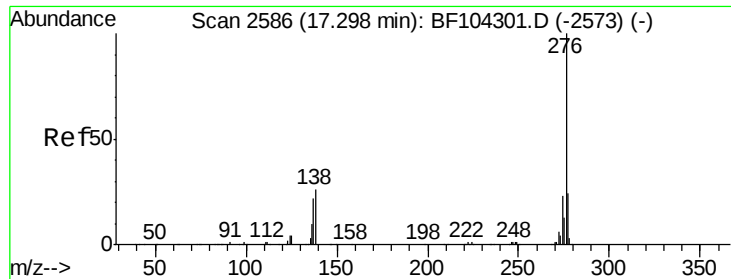
Tot Ion:252 Resp: 72146
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 16.7 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 5.160 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion:252 Resp: 38312
Ion Ratio Lower Upper
252 100
253 24.9 17.1 25.7
125 16.5 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.302 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

ClientSampleId :

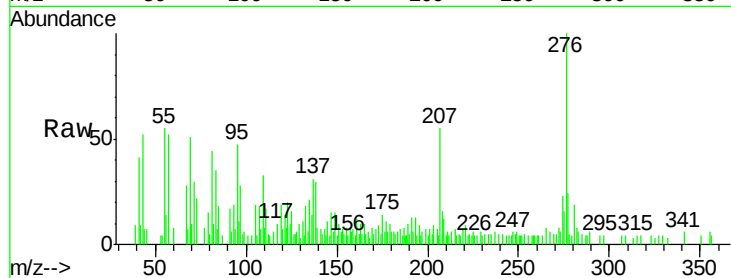
Tot Ion: 276 Resp: 19505

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 29.8 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

