

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104791.D
 Acq On : 25 Apr 2018 16:19
 Operator : JU/SJ
 Sample : J2505-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:12:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129215	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	539327	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	237984	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	374664	20.00	ng	0.00
75) Chrysene-d12	13.98	240	221831	20.00	ng	0.00
86) Perylene-d12	15.45	264	206428	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	833204	98.60	ng	0.00
7) Phenol-d6	6.45	99	1018134	98.06	ng	0.00
23) Nitrobenzene-d5	7.37	82	651664	78.90	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	230343	93.31	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1029520	68.34	ng	0.00
78) Terphenyl-d14	12.92	244	725879	74.60	ng	0.00

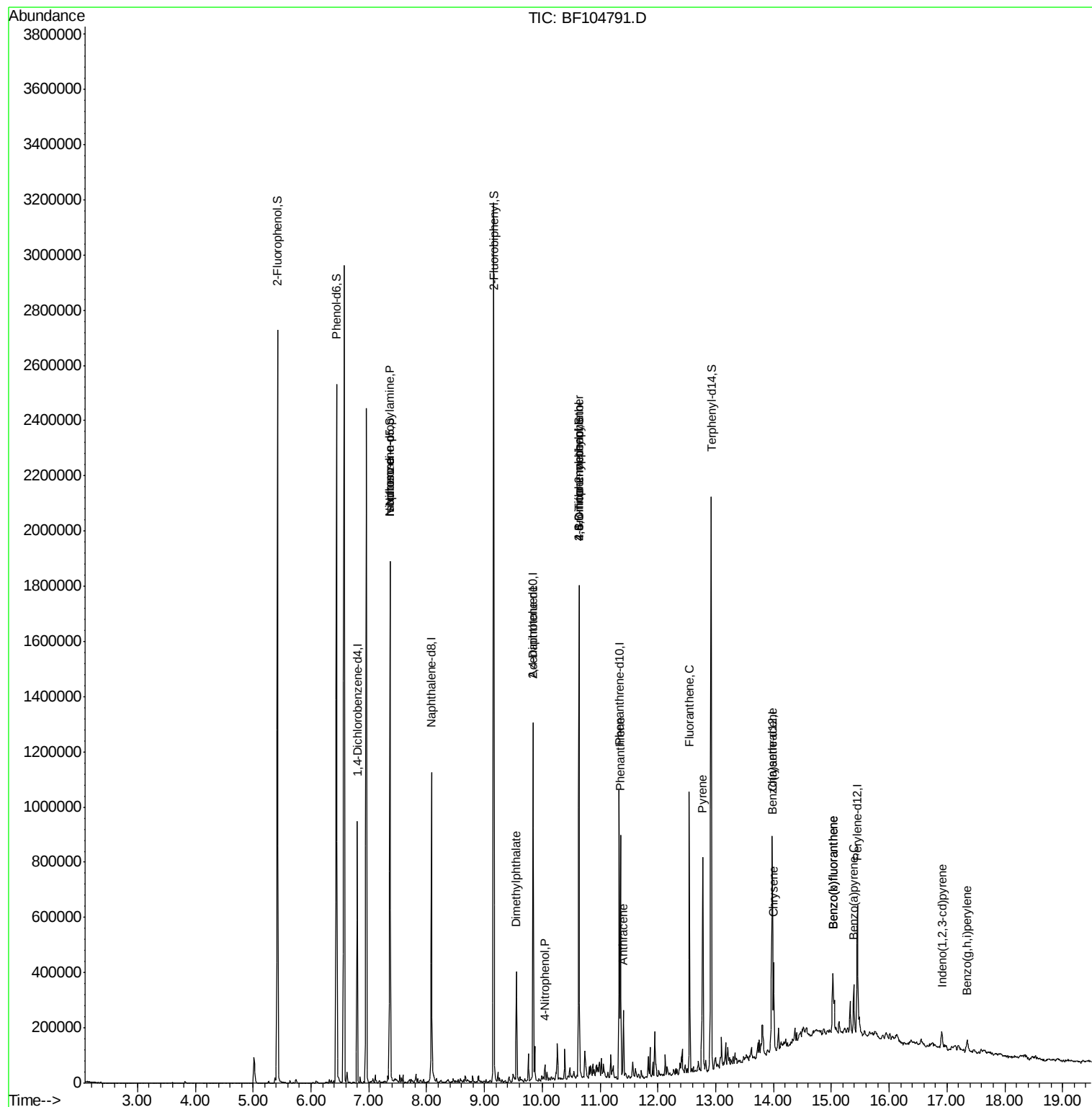
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1742	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	86688	12.777	ng	# 73
25) Isophorone	7.37	82	651657	37.310	ng	# 64
49) Dimethylphthalate	9.55	163	154442	8.229	ng	# 100
55) 4-Nitrophenol	10.05	139	7056	2.209	ng	# 9
56) 2,4-Dinitrotoluene	9.84	165	30433	6.681	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	480	7.570	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14406	3.615	ng	# 1
70) Phenanthrene	11.36	178	306973	14.712	ng	# 98
71) Anthracene	11.40	178	93438	4.406	ng	# 99
74) Fluoranthene	12.55	202	415125	19.043	ng	# 98
76) Benzidine	12.92	184	9940	Below Cal		# 97
77) Pvrene	12.78	202	337474	20.524	ng	# 98
80) Benzo(a)anthracene	13.97	228	137638	10.386	ng	# 98
82) Chrysene	14.00	228	108099	7.941	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.91	276	37669	3.258	ng	# 92
87) Benzo(b)fluoranthene	15.03	252	159607	12.242	ng	# 98
88) Benzo(k)fluoranthene	15.03	252	159607	12.967	ng	# 99
89) Benzo(a)pvrene	15.39	252	81513	6.988	ng	# 95
91) Benzo(a,h,i)perylene	17.35	276	37857	4.078	ng	# 97

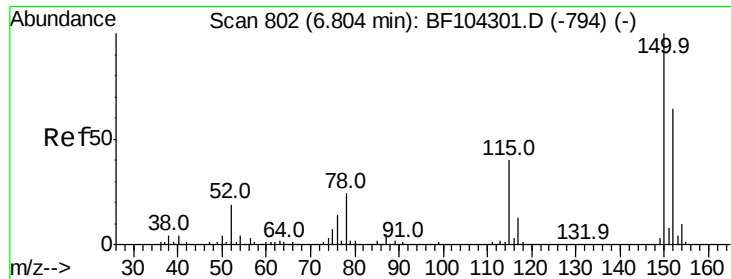
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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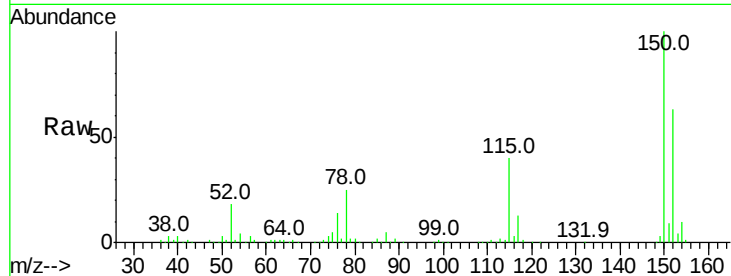


#1

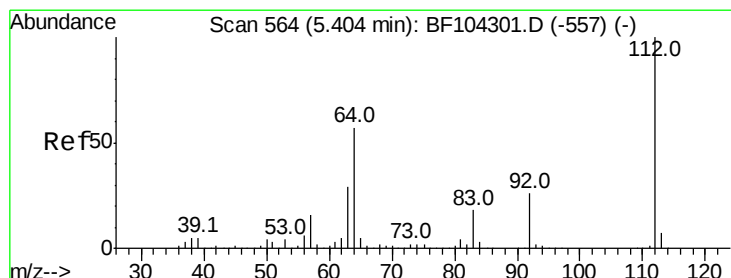
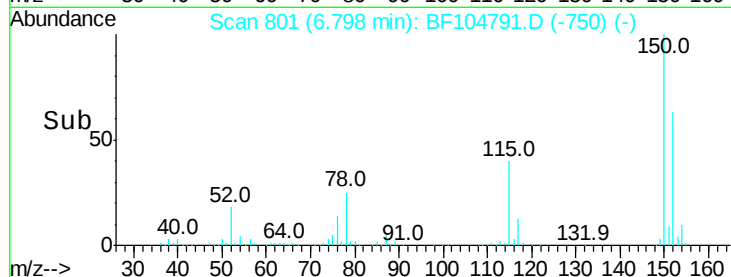
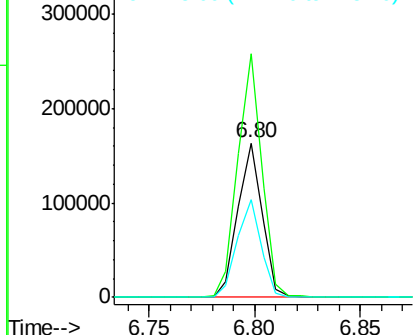
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF104791.D
 Acq: 25 Apr 2018 16:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 129215
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.6 186.8
 115 63.4 50.1 75.1



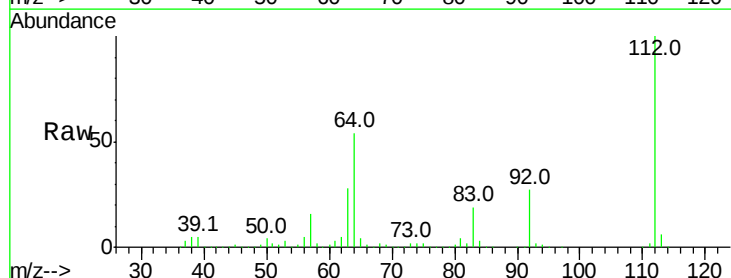
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



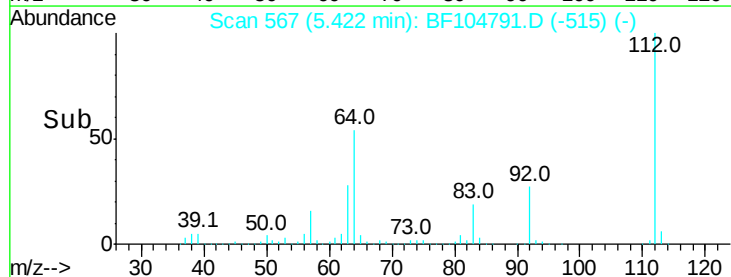
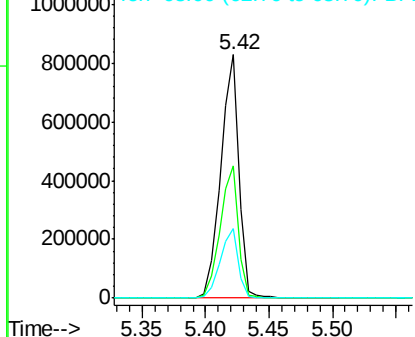
#5

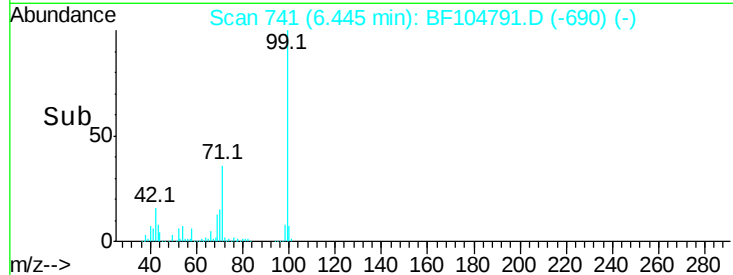
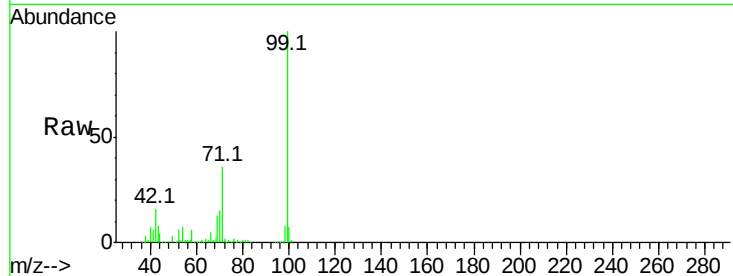
2-Fluorophenol
 Concen: 98.597 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104791.D
 Acq: 25 Apr 2018 16:19

Tgt Ion:112 Resp: 833204
 Ion Ratio Lower Upper
 112 100
 64 54.2 47.9 71.9
 63 28.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.057 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

ClientSampleId :

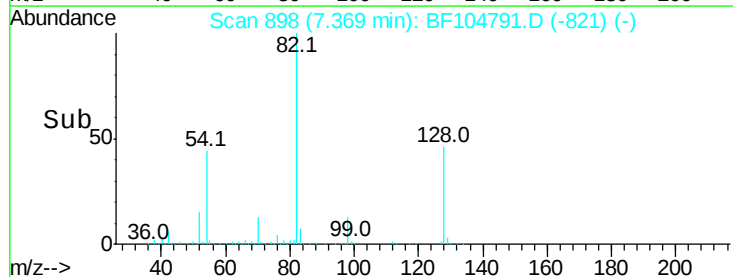
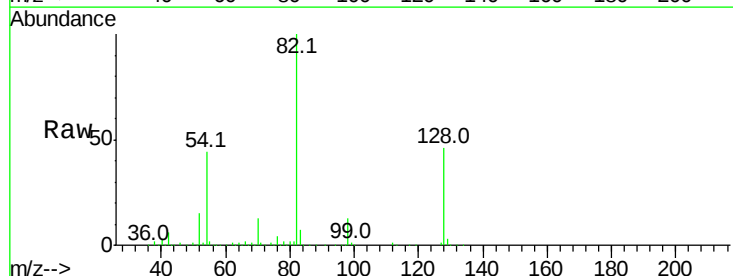
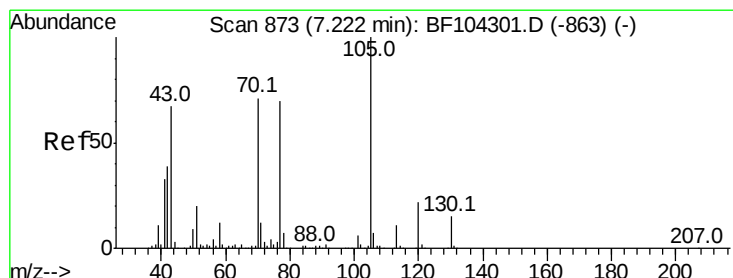
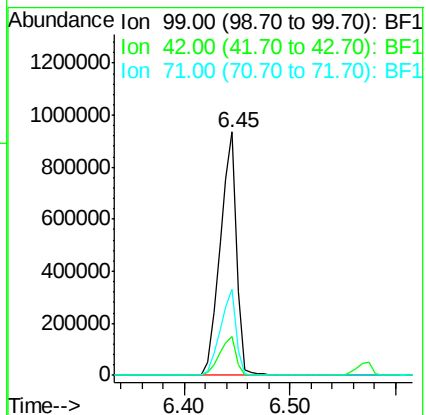
Tot Ion: 99 Resp: 1018134

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 35.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.777 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Tgt Ion: 70 Resp: 86688

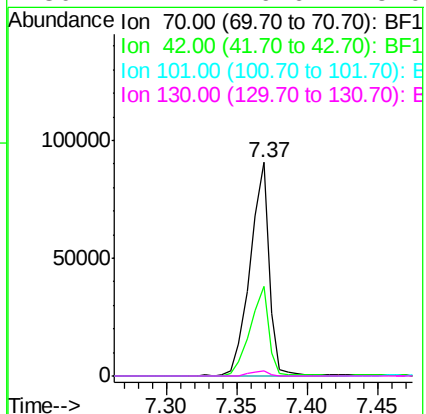
Ion Ratio Lower Upper

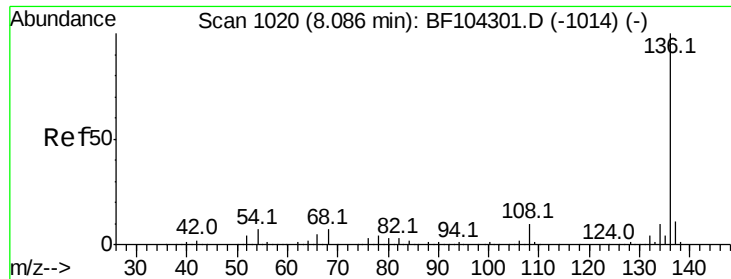
70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

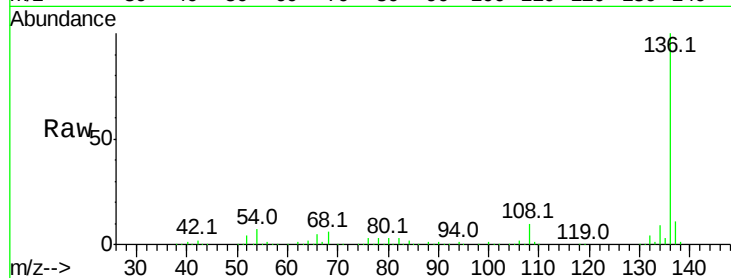




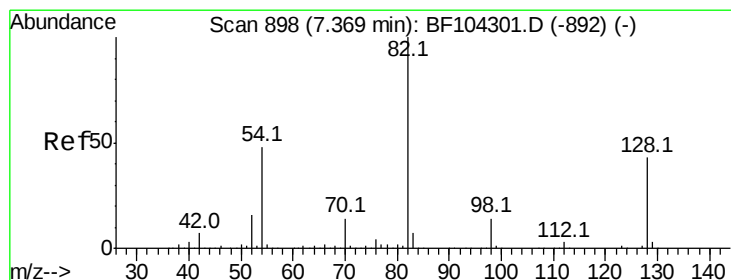
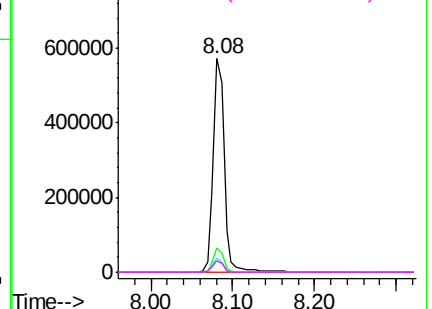
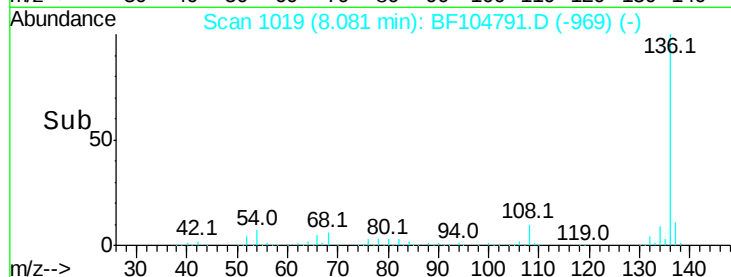
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	539327
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	6.8	6.6	9.8
68	5.5	5.0	7.4

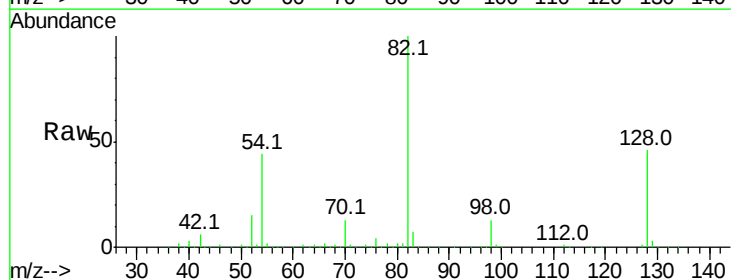


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

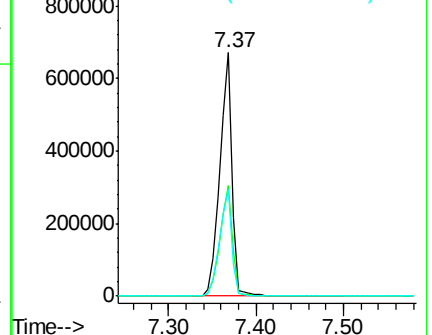
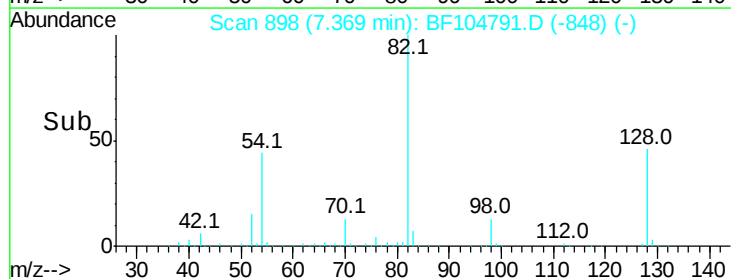


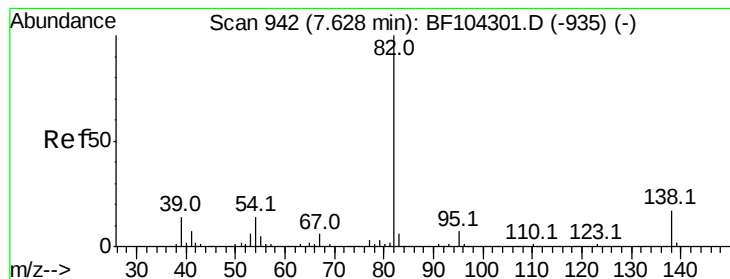
#23
Nitrobenzene-d5
Concen: 78.899 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion:	82	Resp:	651664
Ion	Ratio	Lower	Upper
82	100		
128	45.6	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: 37.310 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

ClientSampleId :

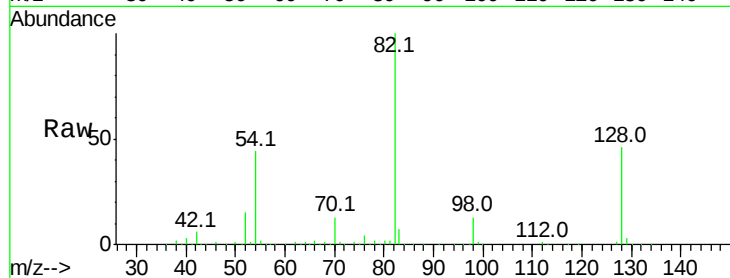
Tot Ion: 82 Resp: 651657

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

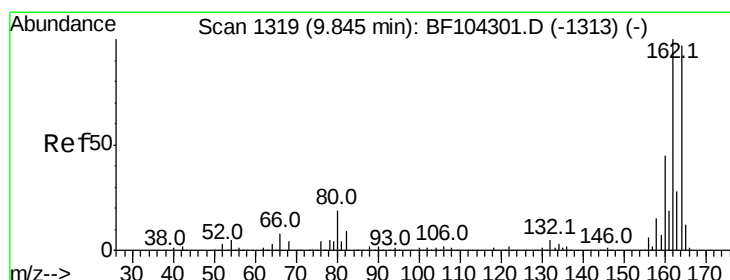
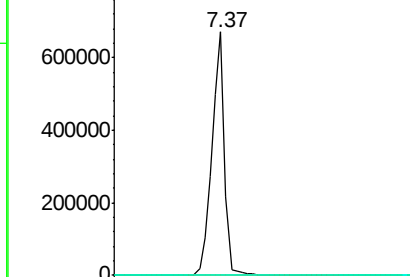
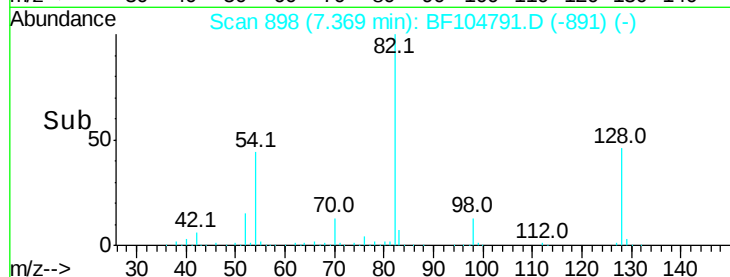
138 0.0 14.9 22.3#



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: BF104791.D

Acq: 25 Apr 2018 16:19

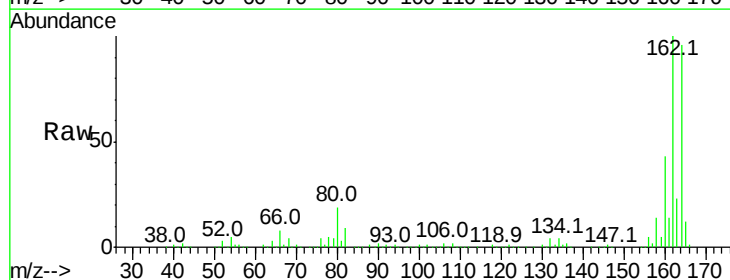
Tgt Ion: 164 Resp: 237984

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

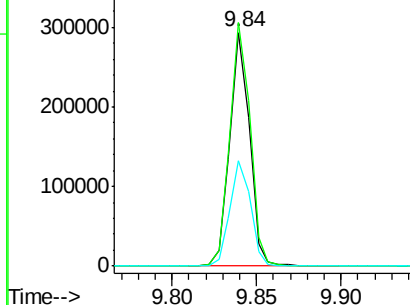
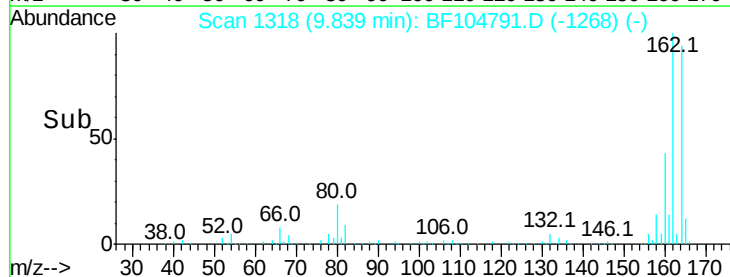
160 44.9 38.3 57.5

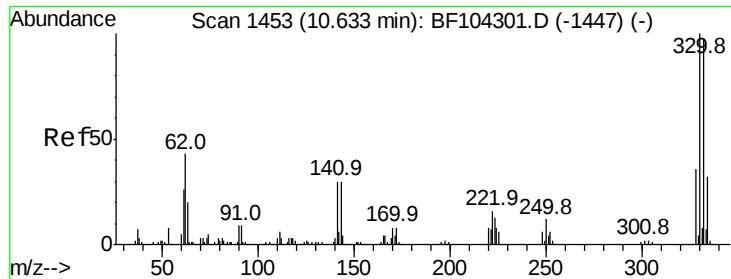


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

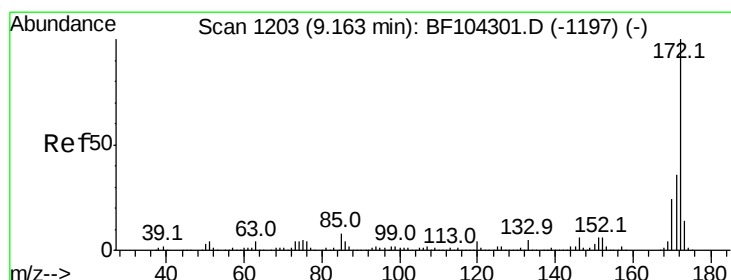
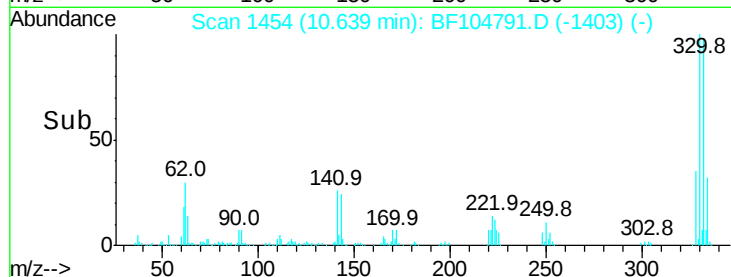
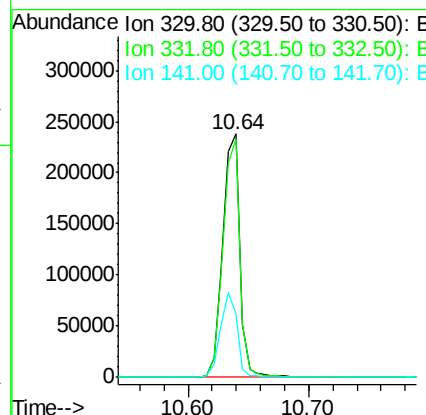
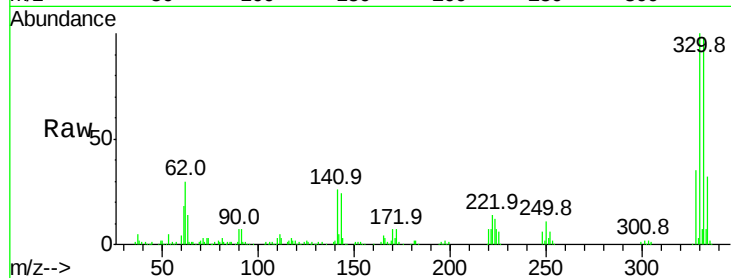




#41
 2,4,6-Tribromophenol
 Concen: 93.306 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104791.D
 Acq: 25 Apr 2018 16:19

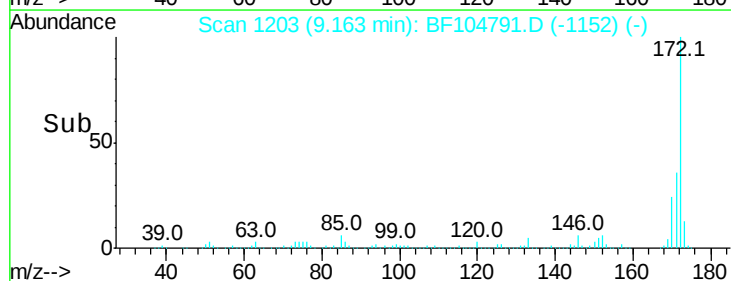
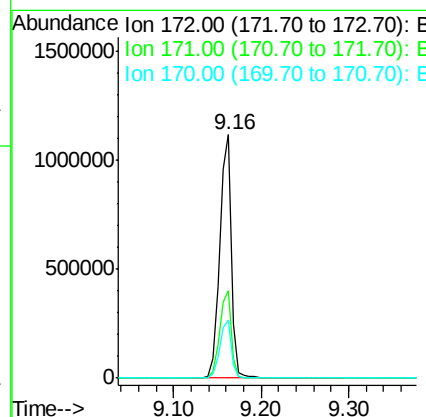
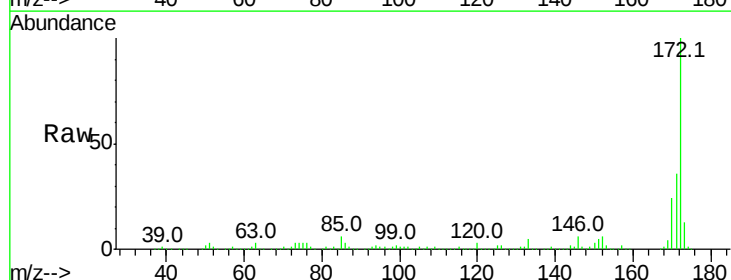
Instrument :
 BNA_F
 ClientSampleId :

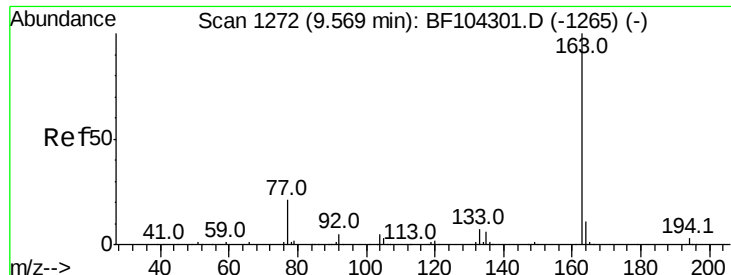
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	34.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 68.340 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104791.D
 Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.8	19.6	29.4

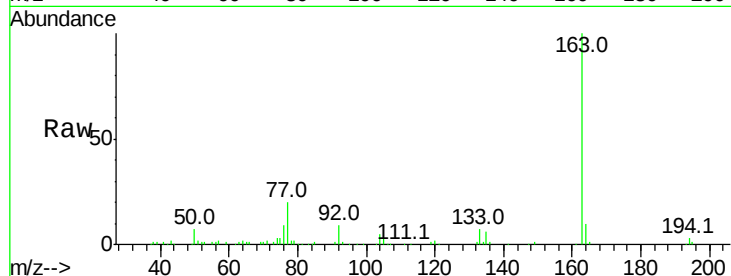




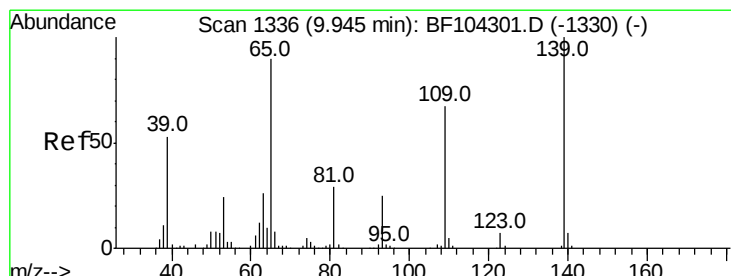
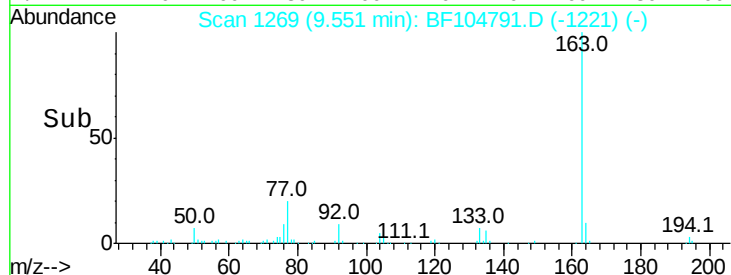
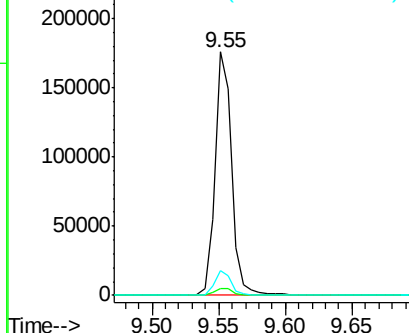
#49
Dimethylphthalate
Concen: 8.229 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 154442
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.2 8.2 12.2

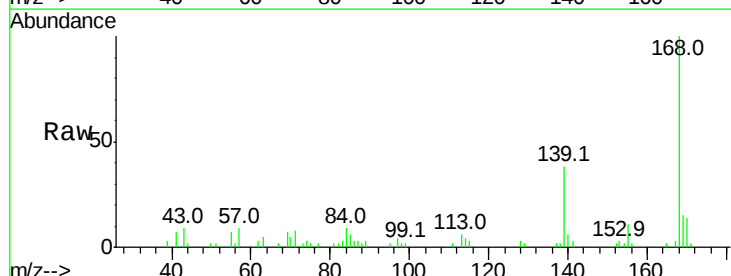


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

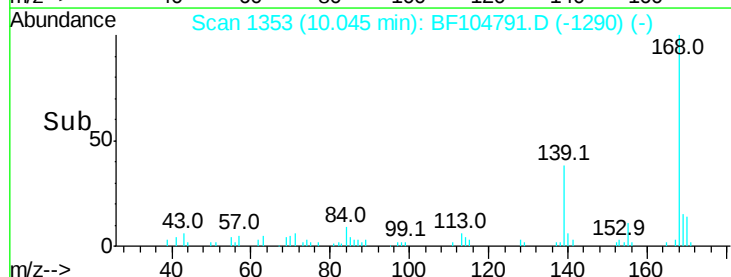
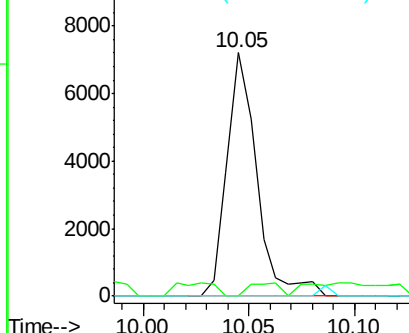


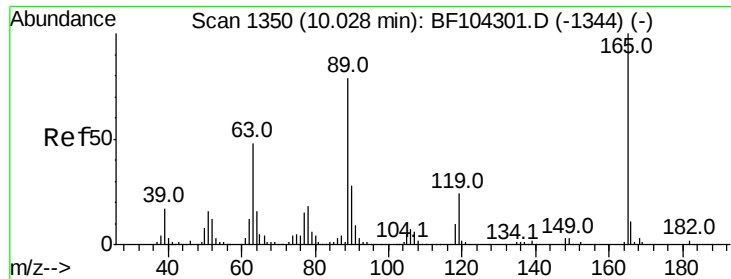
#55
4-Nitrophenol
Concen: 2.209 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.07 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion:139 Resp: 7056
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

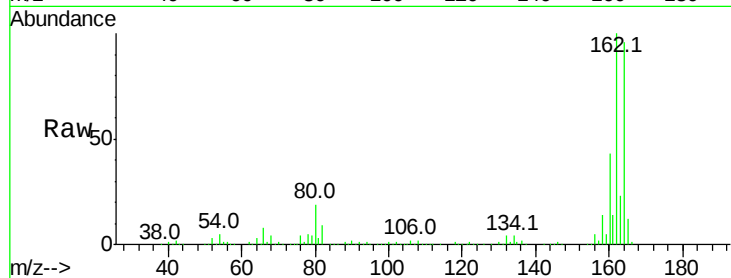




#56
2,4-Dinitrotoluene
Concen: 6.681 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:	165	Resp:	30433
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

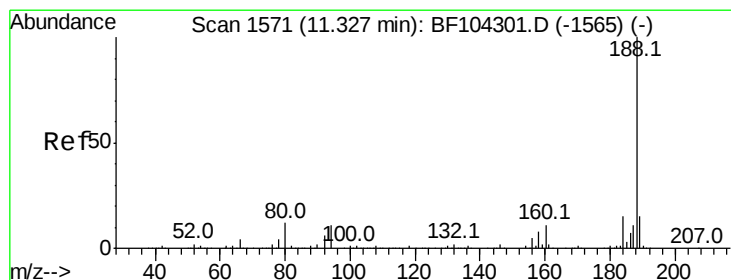
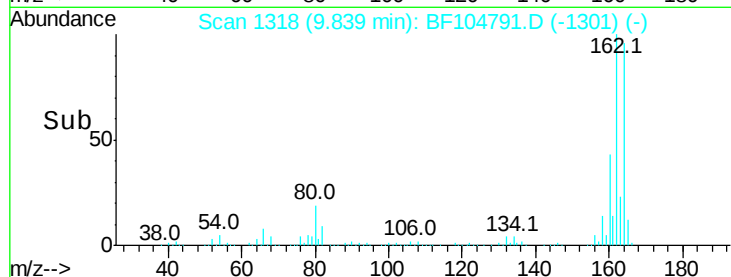
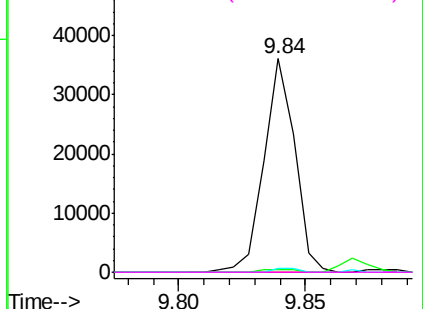


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

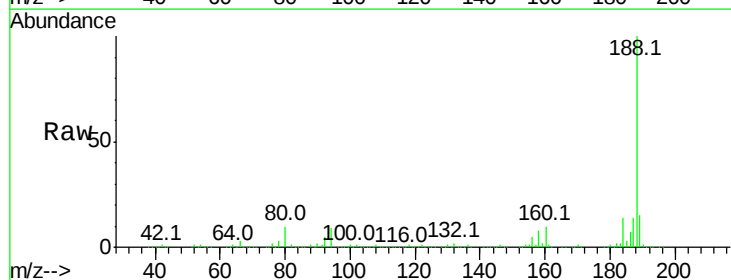
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

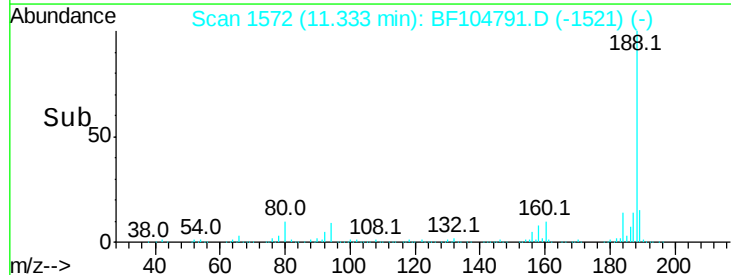
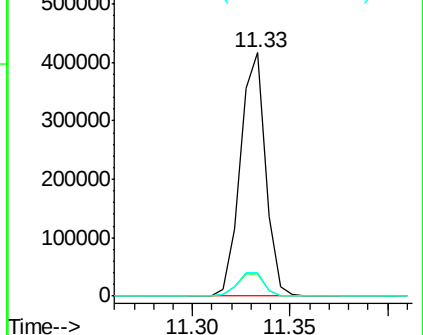
Tgt Ion:	188	Resp:	374664
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.6	9.2	13.8

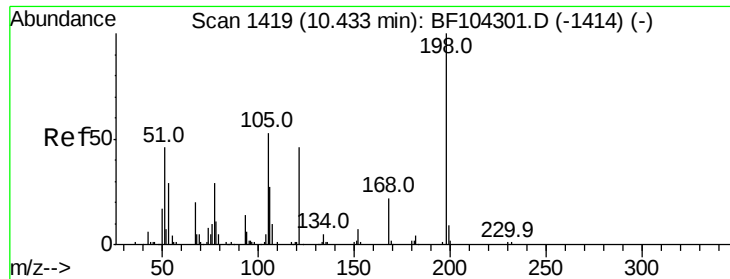


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

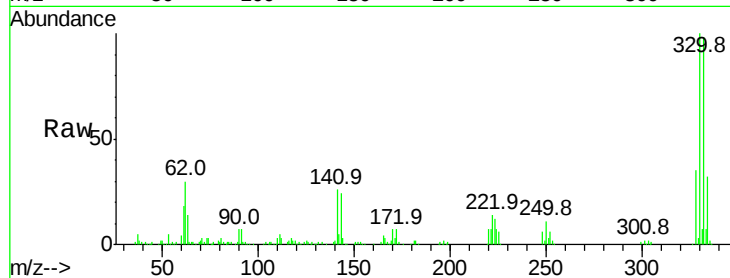




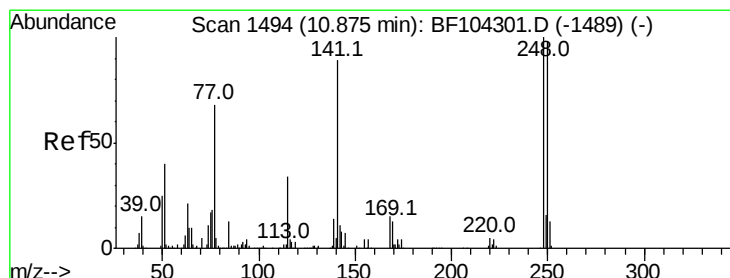
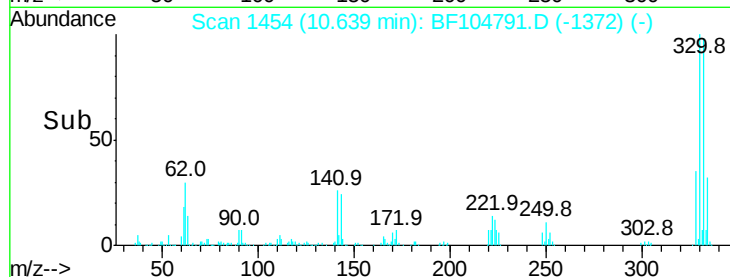
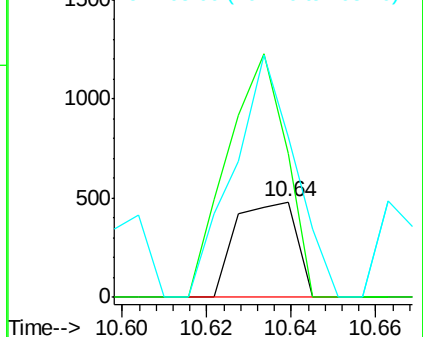
#64
4,6-Dinitro-2-methylphenol
Concen: 7.570 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 480
Ion Ratio Lower Upper
198 100
51 151.1 37.7 77.7#
105 168.4 36.3 76.3#

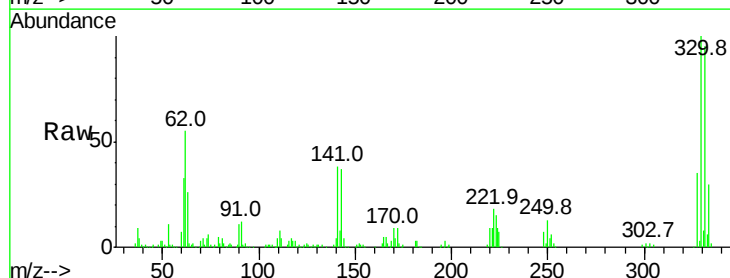


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

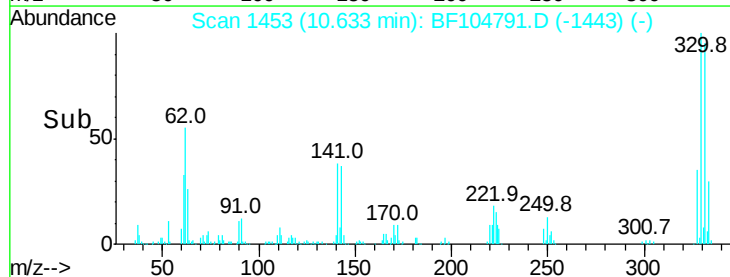
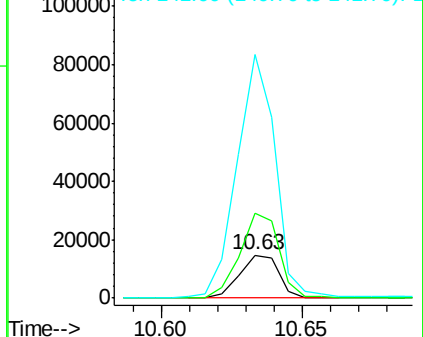


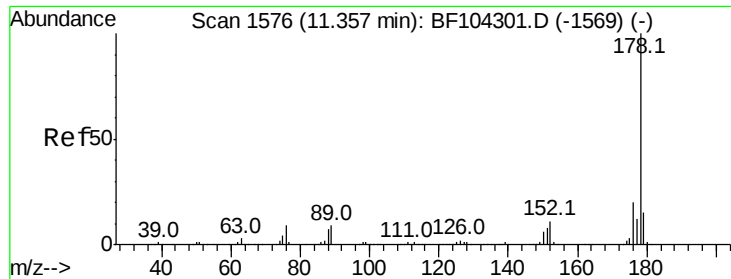
#66
4-Bromophenyl-phenylether
Concen: 3.615 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion:248 Resp: 14406
Ion Ratio Lower Upper
248 100
250 195.9 76.9 115.3#
141 565.3 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

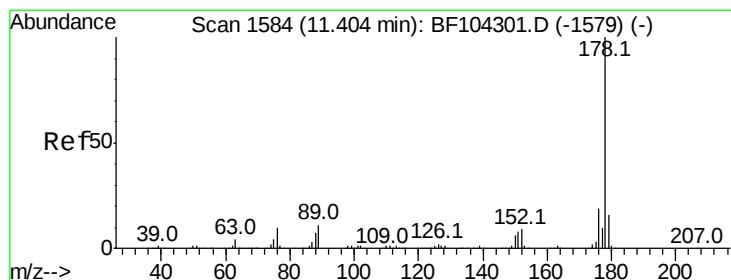
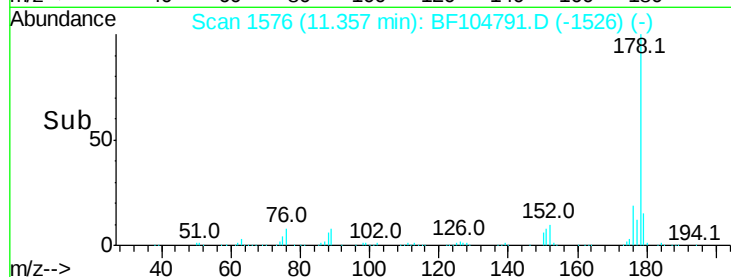
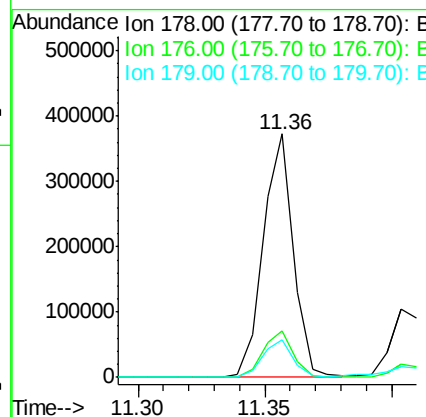
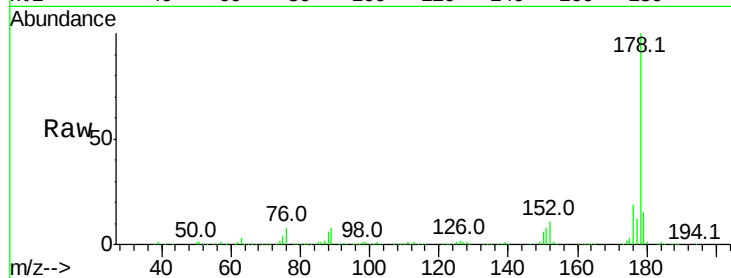




#70
Phenanthrene
Concen: 14.712 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

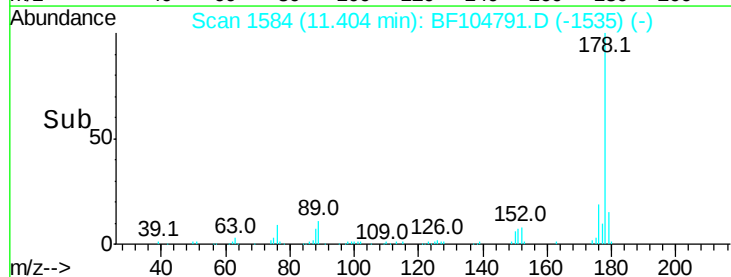
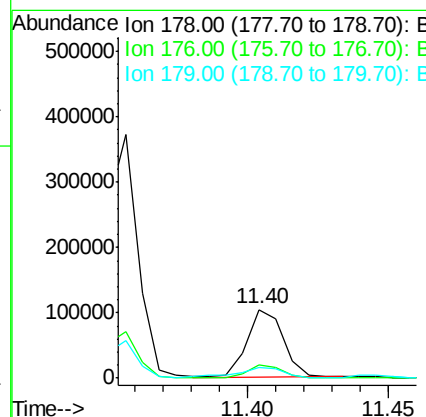
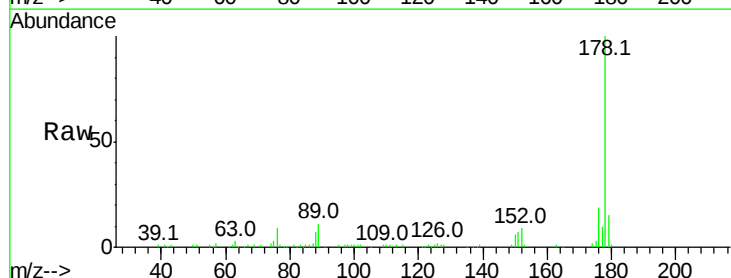
Instrument :
BNA_F
ClientSampleId :

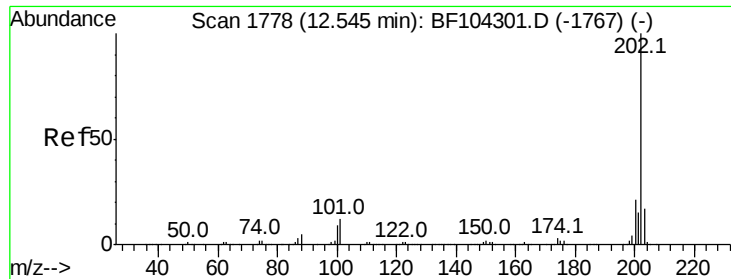
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.3	13.0	19.6



#71
Anthracene
Concen: 4.406 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 19.043 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

ClientSampled :

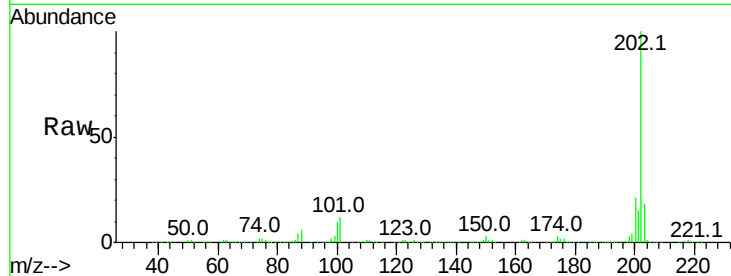
Tot Ion:202 Resp: 415125

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

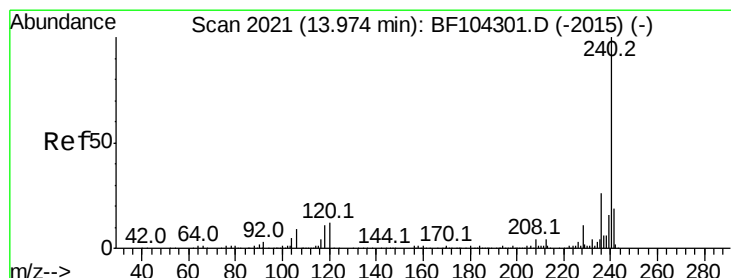
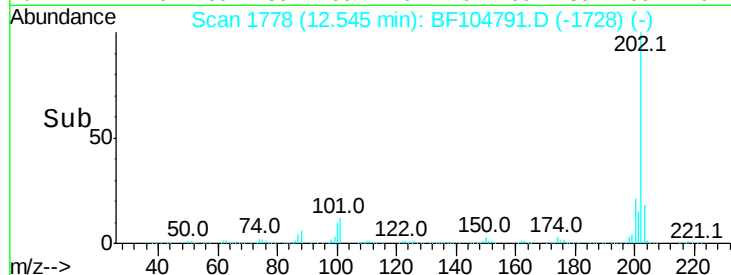
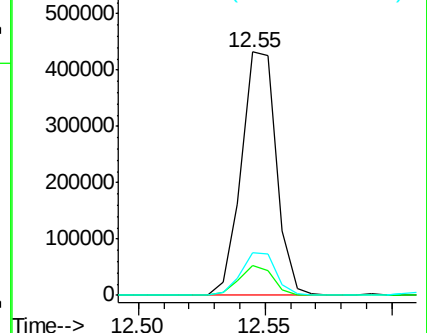
203 17.7 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

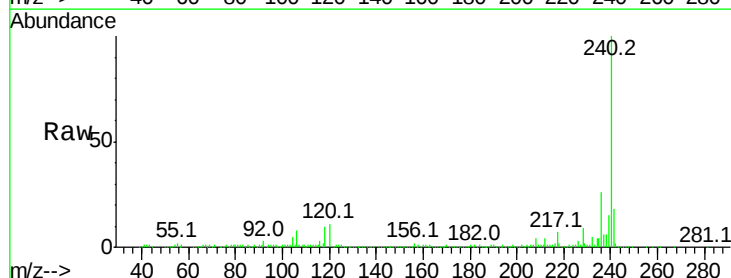
Tgt Ion:240 Resp: 221831

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

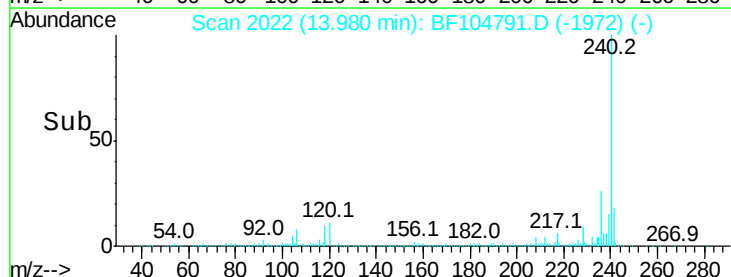
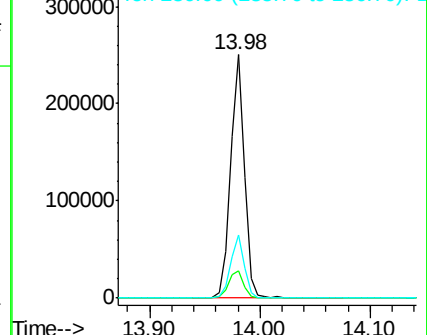
236 26.0 20.7 31.1

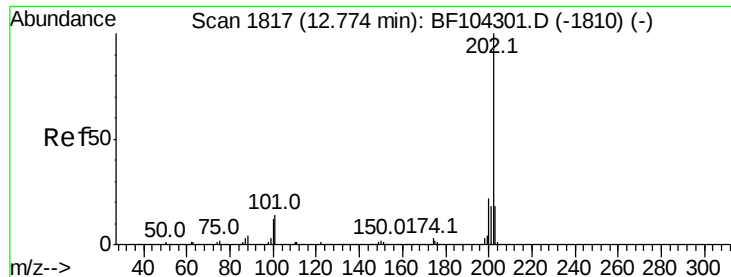


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.524 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

ClientSampleId :

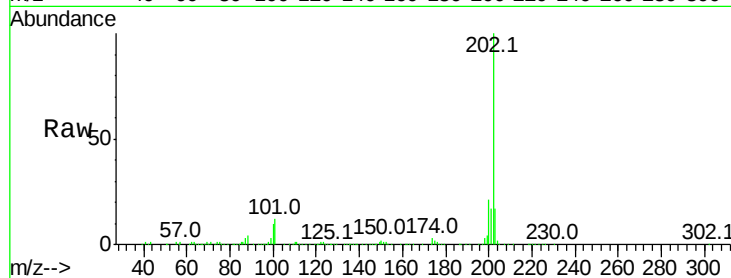
Tot Ion:202 Resp: 337474

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

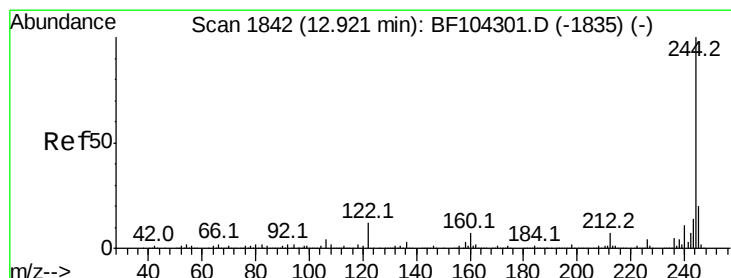
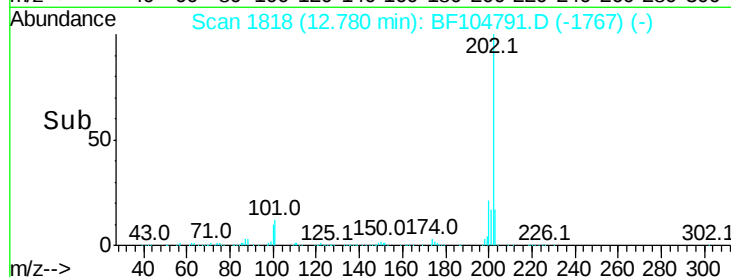
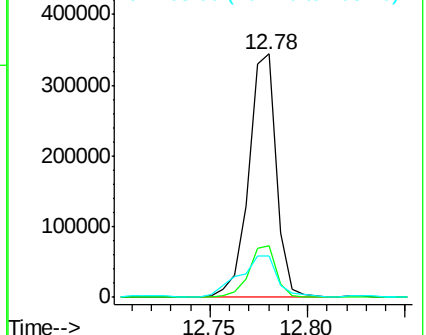
203 16.9 14.3 21.5



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: 74.601 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

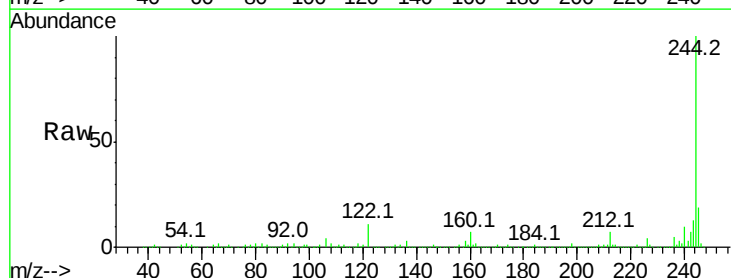
Tgt Ion:244 Resp: 725879

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

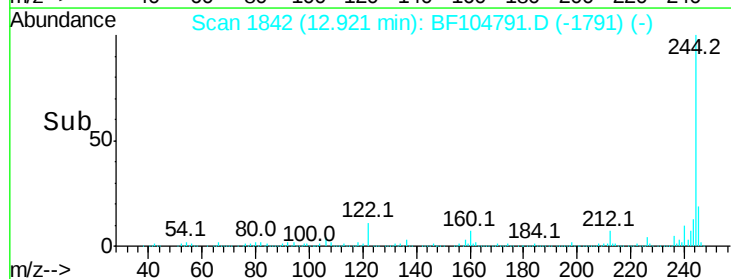
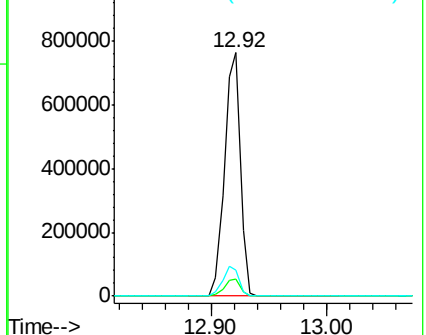
122 10.9 11.0 16.4#

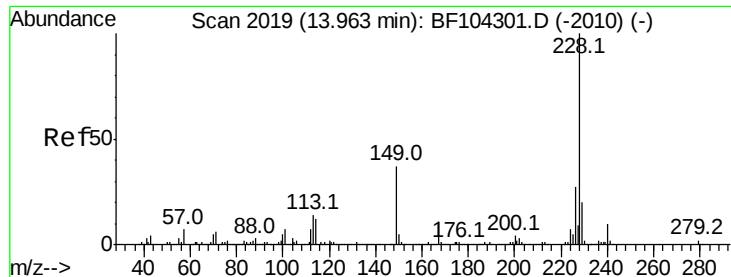


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

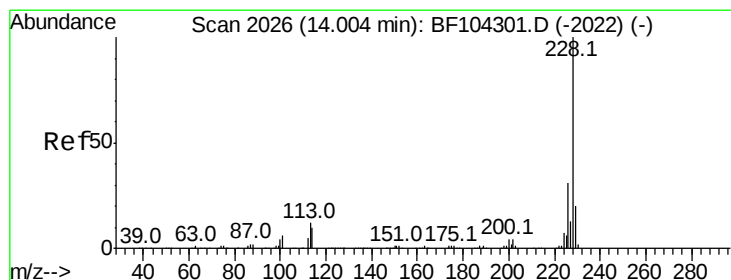
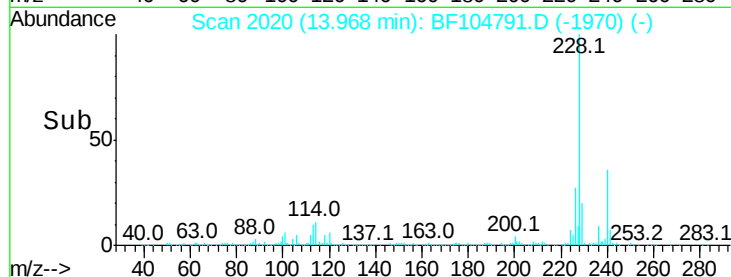
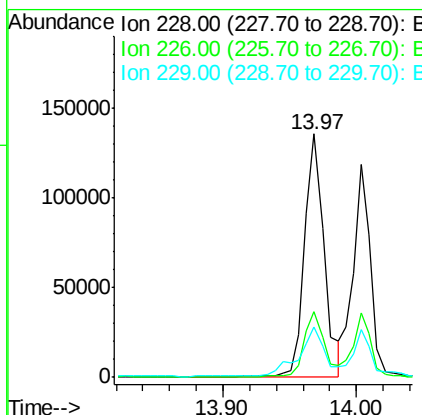
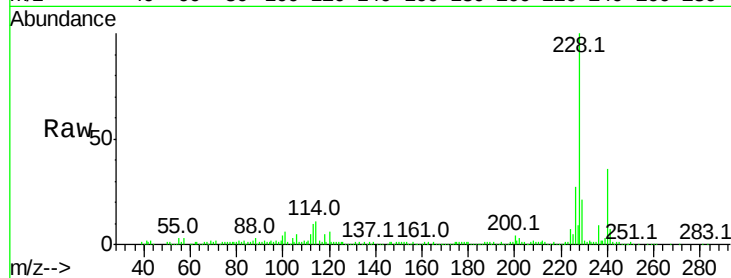




#80
Benzo(a)anthracene
Concen: 10.386 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

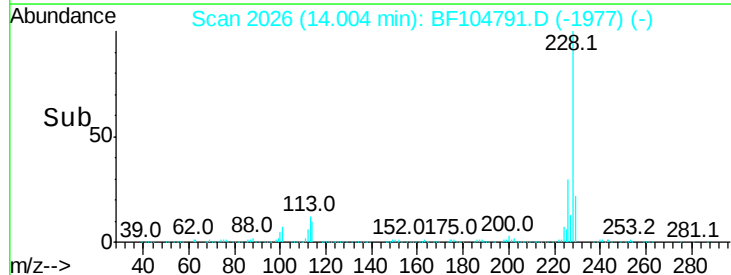
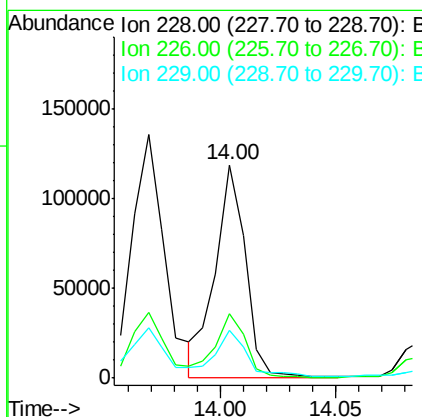
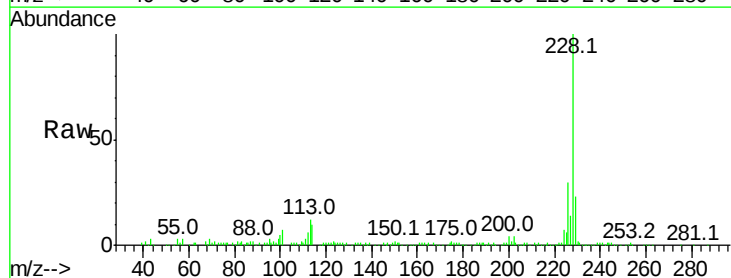
Instrument :
BNA_F
ClientSampleId :

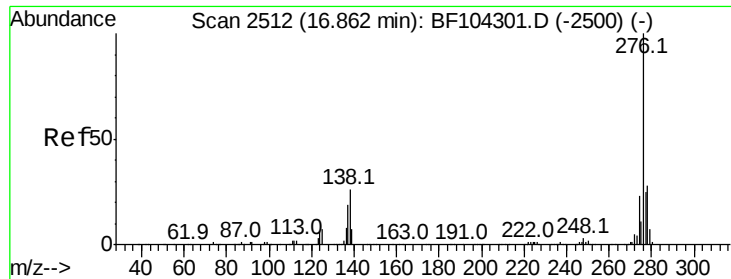
Tot Ion:228 Resp: 137638
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 20.8 15.8 23.6



#82
Chrysene
Concen: 7.941 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion:228 Resp: 108099
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 22.6 16.2 24.4

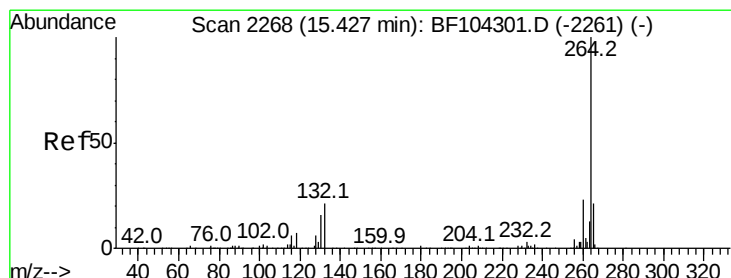
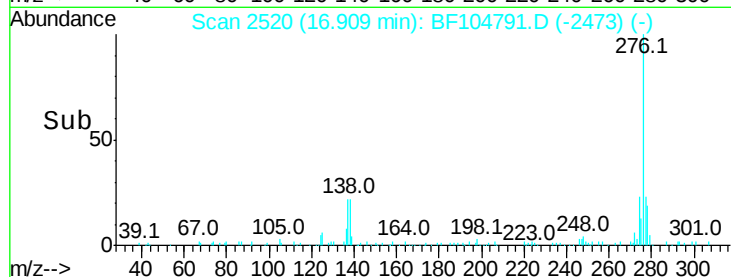
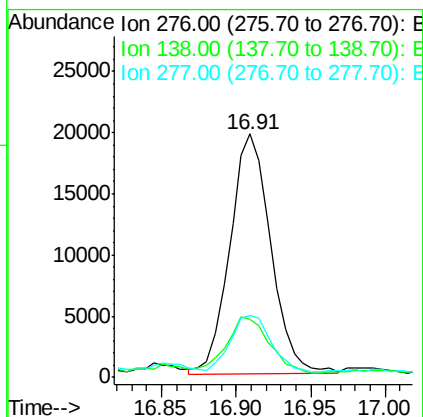
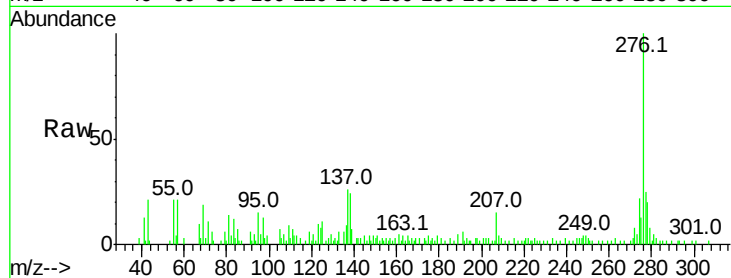




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.258 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

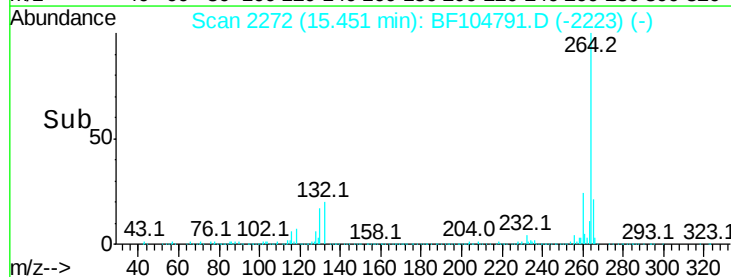
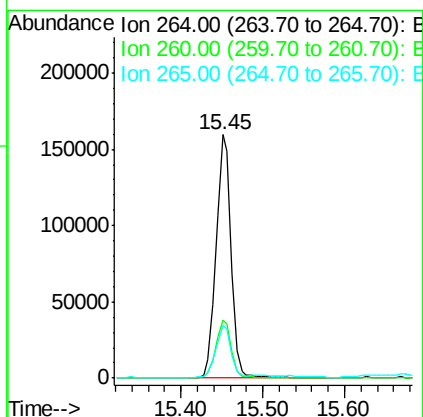
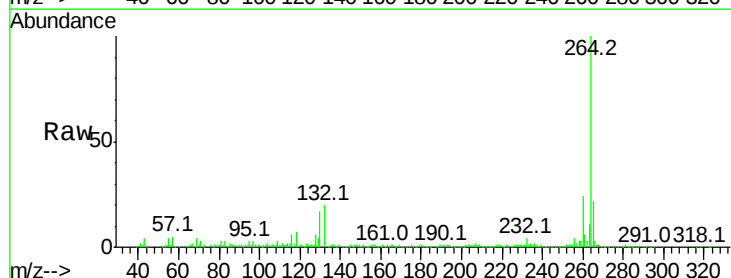
Instrument :
BNA_F
ClientSampleId :

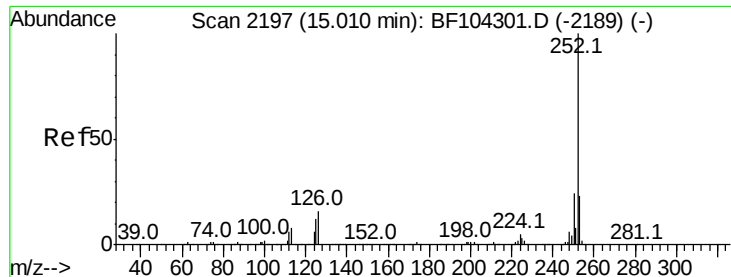
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	25.0	37.6
277	23.4	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.242 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF104791.D

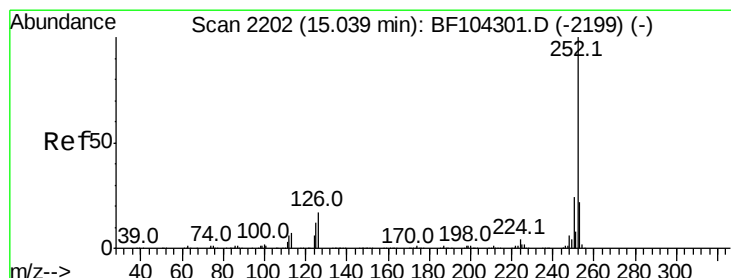
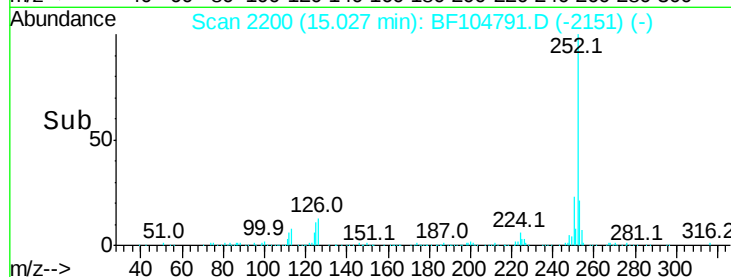
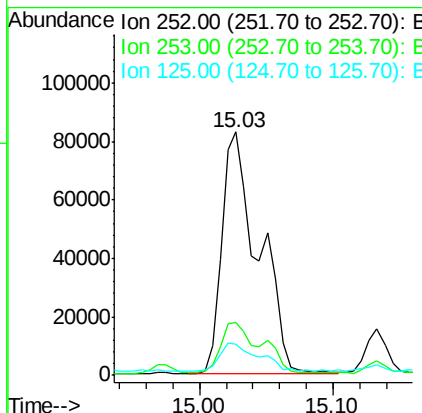
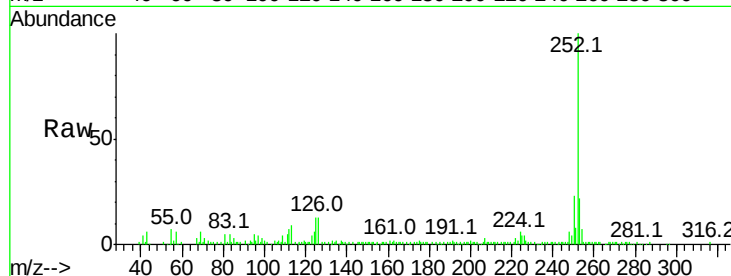
Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	159607
Ion Ratio	Lower	Upper
252	100	
253	21.7	17.0 25.6
125	12.6	9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 12.967 ng

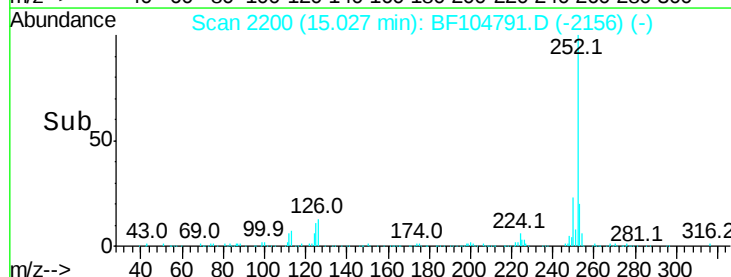
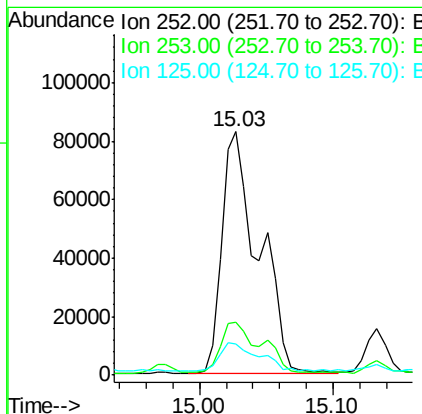
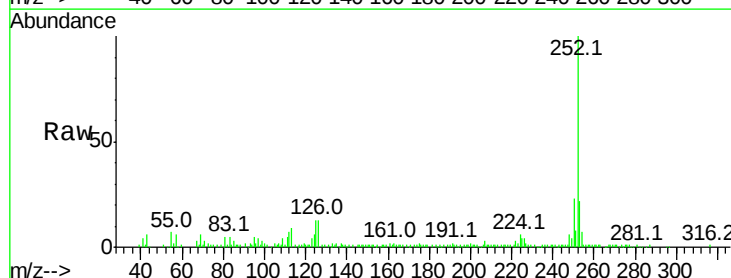
RT: 15.03 min Scan# 2200

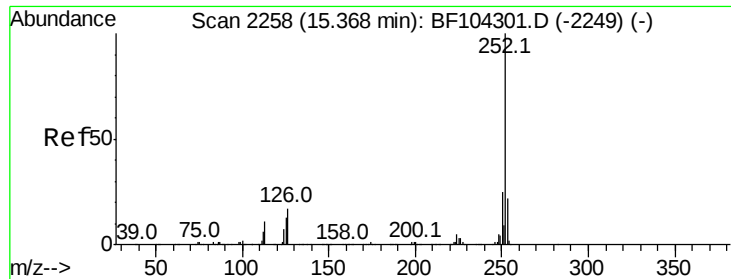
Delta R.T. -0.04 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Tgt Ion:252	Resp:	159607
Ion Ratio	Lower	Upper
252	100	
253	21.7	17.9 26.9
125	12.6	10.2 15.2

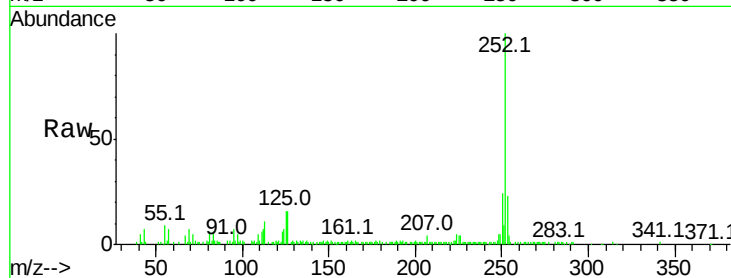




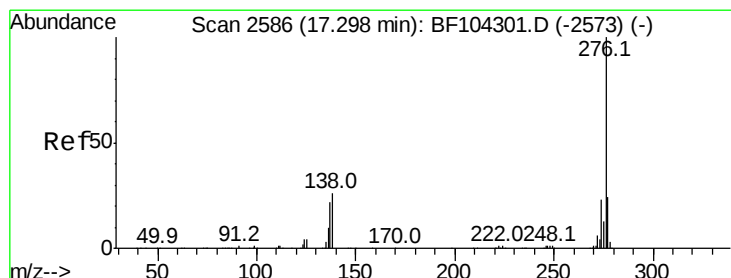
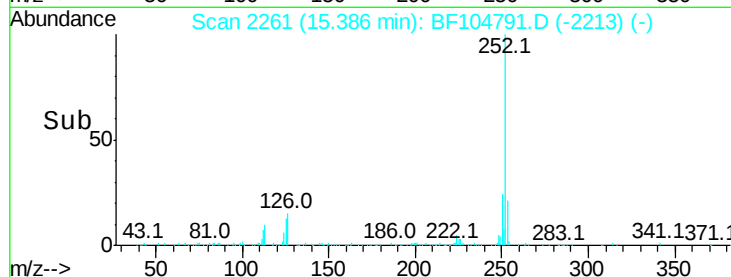
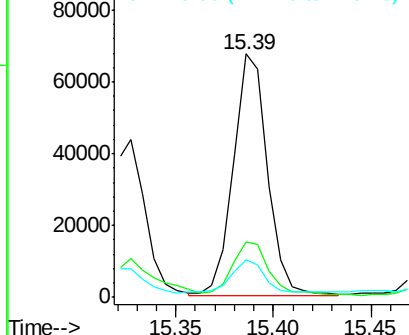
#89
Benzo(a)pyrene
Concen: 6.988 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 81513
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 15.5 9.8 14.6#

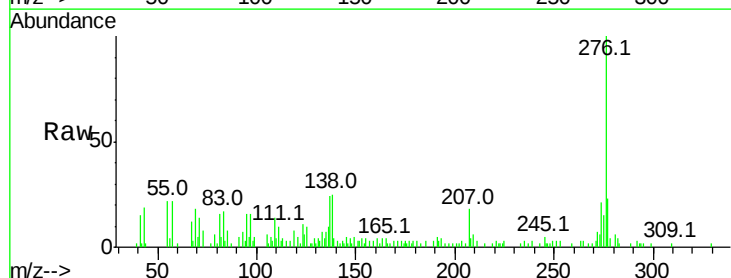


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.078 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion:276 Resp: 37857
Ion Ratio Lower Upper
276 100
277 22.6 17.9 26.9
138 24.6 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

