

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104822.D
 Acq On : 26 Apr 2018 7:27
 Operator : JU/SJ
 Sample : J2520-03
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:27:18 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	115343	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	470647	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	203645	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	318300	20.00	ng	0.00
75) Chrysene-d12	13.97	240	255991	20.00	ng	-0.01
86) Perylene-d12	15.44	264	194150	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	547496	72.58	ng	0.00
7) Phenol-d6	6.44	99	671630	72.46	ng	0.00
23) Nitrobenzene-d5	7.36	82	421242	58.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	144658	68.48	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	703527	54.58	ng	0.00
78) Terphenyl-d14	12.92	244	510688	45.48	ng	0.00

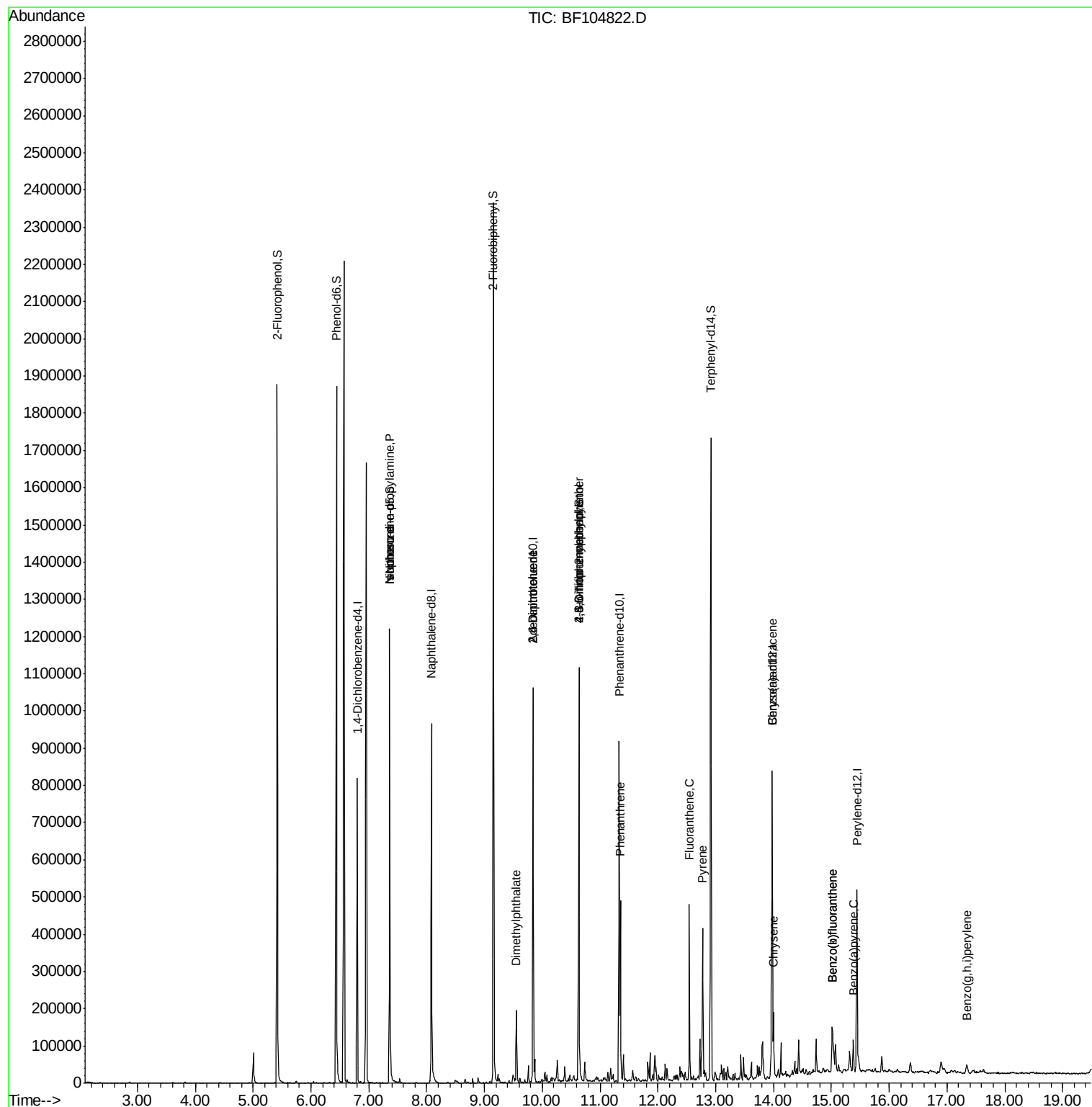
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	54963	9.075	ng	# 74
25) Isophorone	7.36	82	421239	27.637	ng	# 64
49) Dimethylphthalate	9.55	163	76681	4.775	ng	99
50) 2,6-Dinitrotoluene	9.84	165	26136	8.795	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	26136	6.705	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	156	7.432	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8567	2.530	ng	# 1
70) Phenanthrene	11.35	178	168740	9.519	ng	98
74) Fluoranthene	12.54	202	171570	9.264	ng	97
76) Benzidine	12.92	184	6553	Below Cal		# 93
77) Pyrene	12.77	202	149851	7.897	ng	99
80) Benzo(a)anthracene	13.97	228	70581	4.615	ng	98
82) Chrysene	14.00	228	68999	4.392	ng	99
87) Benzo(b)fluoranthene	15.02	252	81560	6.651	ng	# 98
88) Benzo(k)fluoranthene	15.02	252	81560	7.045	ng	98
89) Benzo(a)pyrene	15.38	252	38689	3.526	ng	95
91) Benzo(a,h,i)perylene	17.34	276	18274	2.093	ng	93

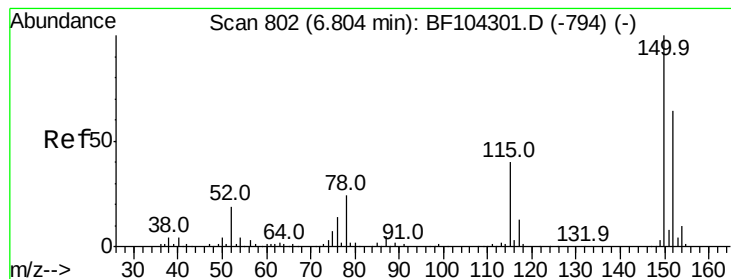
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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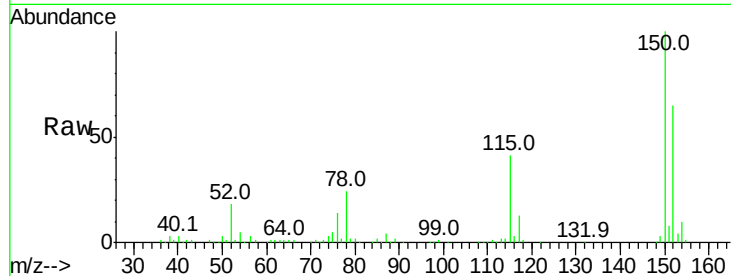


#1

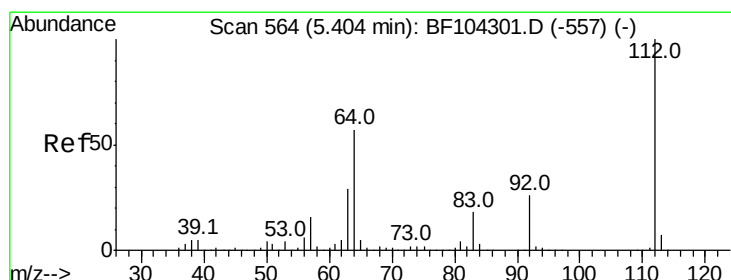
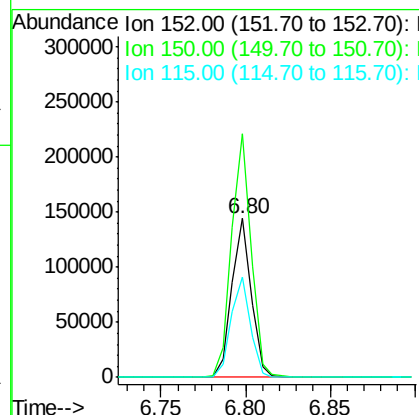
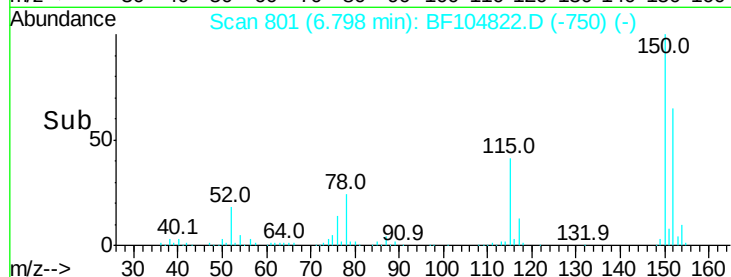
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115343
Ion Ratio Lower Upper
152 100
150 153.1 124.6 186.8
115 62.9 50.1 75.1



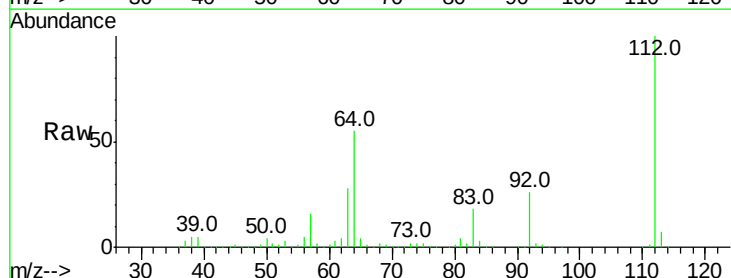
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



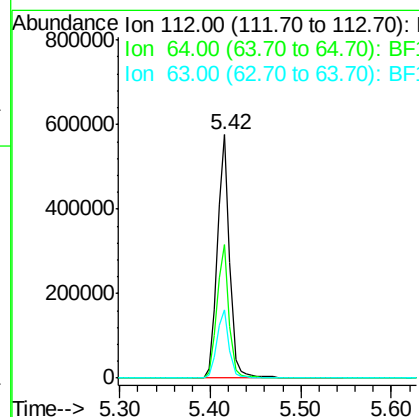
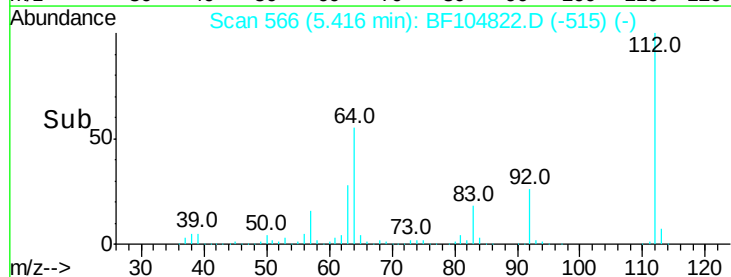
#5

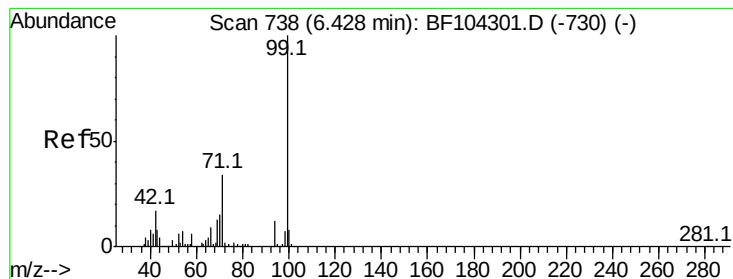
2-Fluorophenol
Concen: 72.579 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Tgt Ion:112 Resp: 547496
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 28.1 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: 72.464 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

Instrument :

BNA_F

ClientSampled :

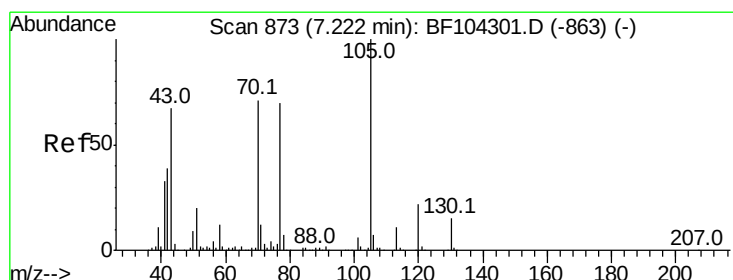
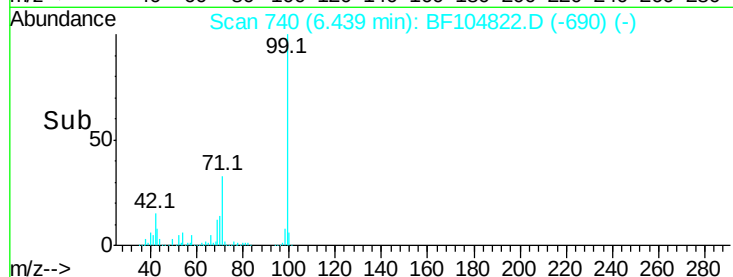
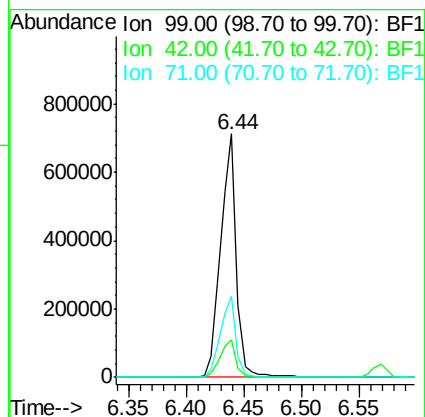
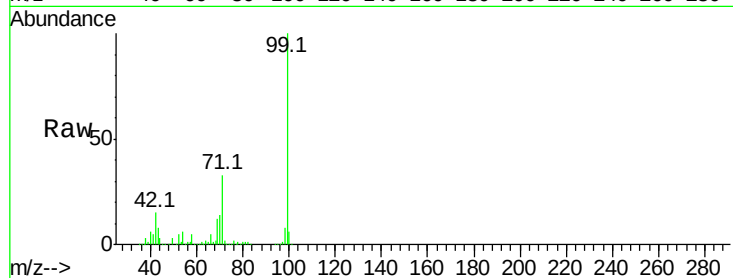
Tot Ion: 99 Resp: 671630

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 33.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.075 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

Tgt Ion: 70 Resp: 54963

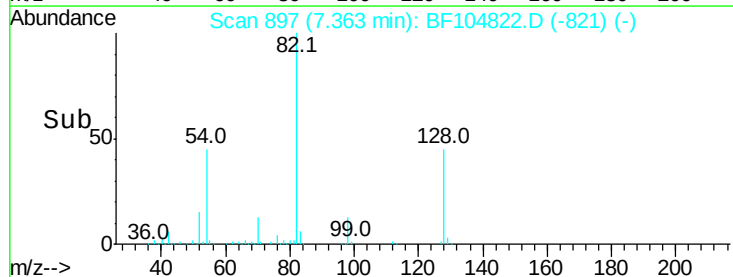
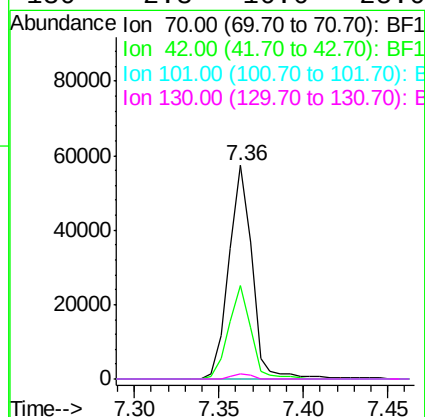
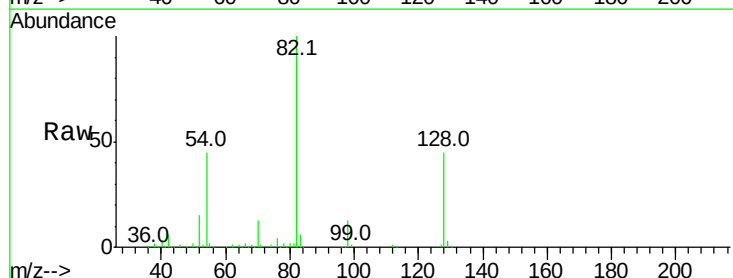
Ion Ratio Lower Upper

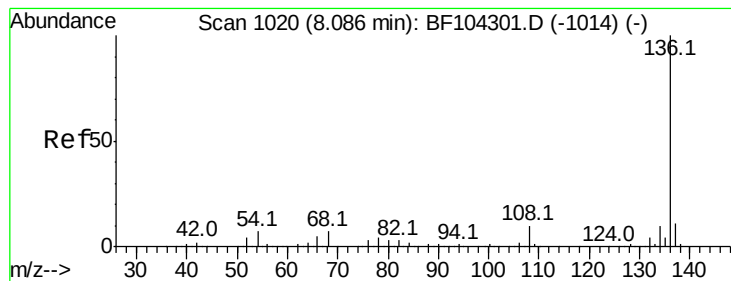
70 100

42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 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: BF104822.D

Acq: 26 Apr 2018 7:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 470647

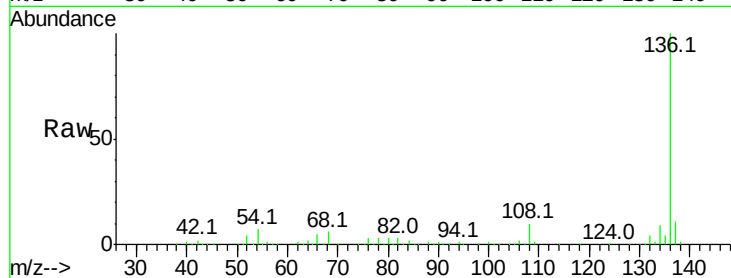
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.0 6.6 9.8

68 5.7 5.0 7.4

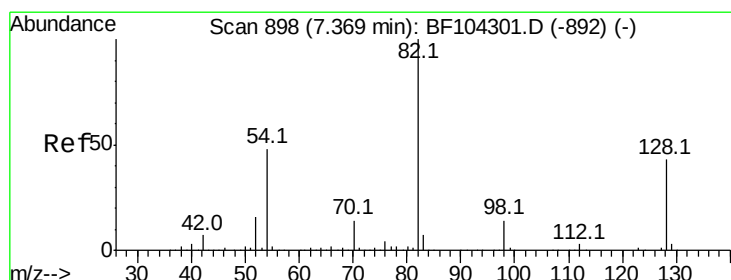
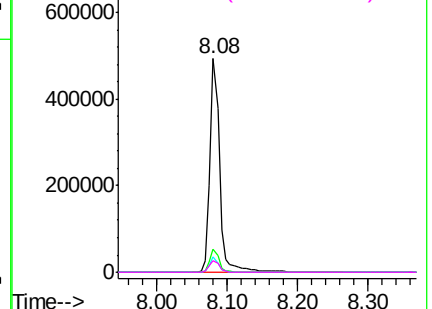
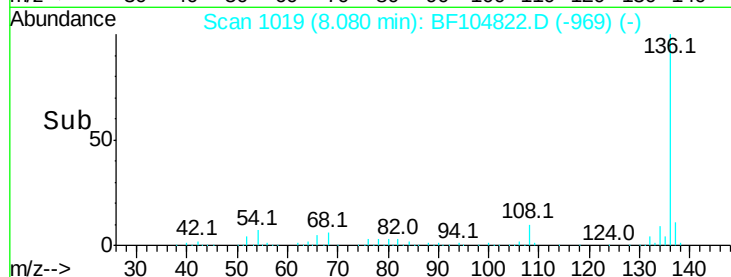


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.444 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

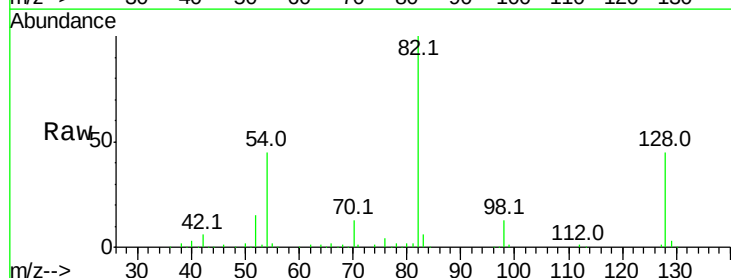
Tgt Ion: 82 Resp: 421242

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

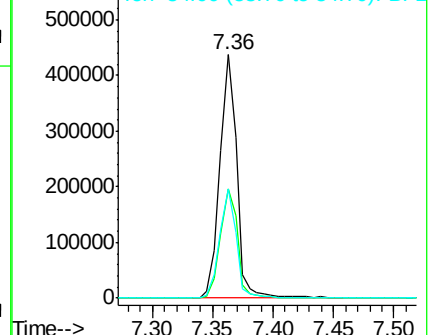
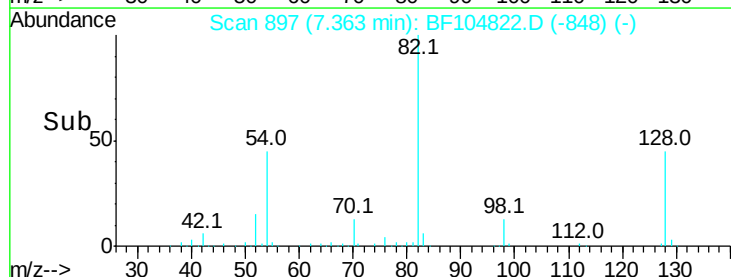
54 44.7 41.4 62.2

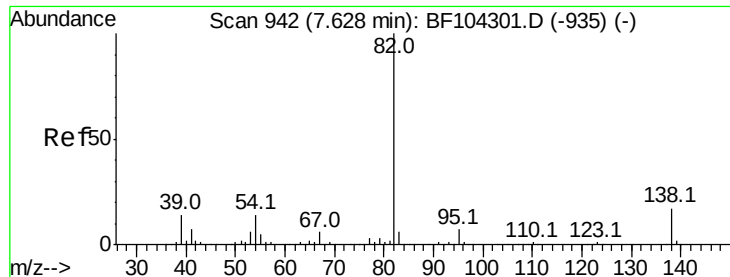


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.637 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

Instrument :

BNA_F

ClientSampled :

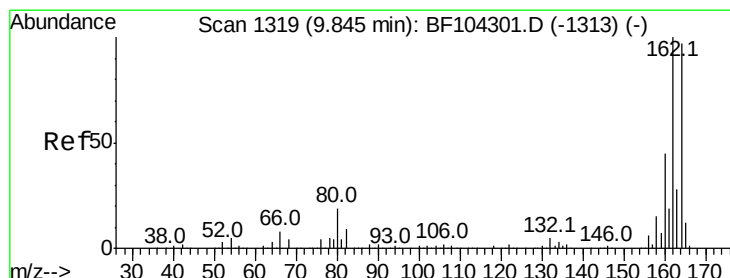
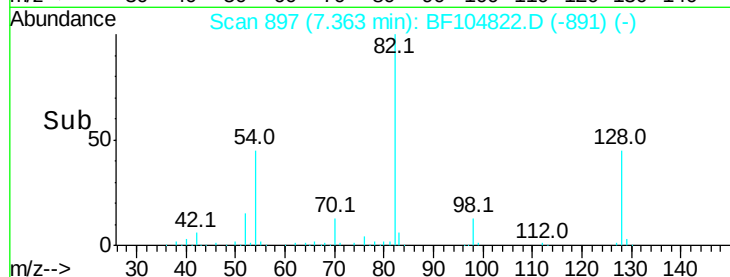
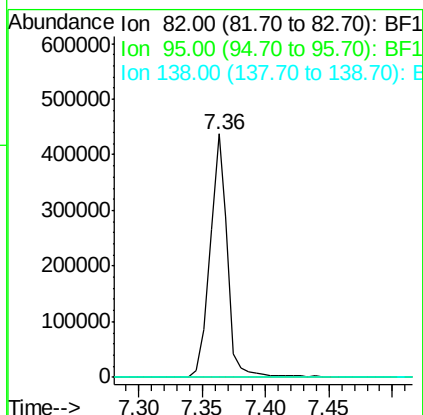
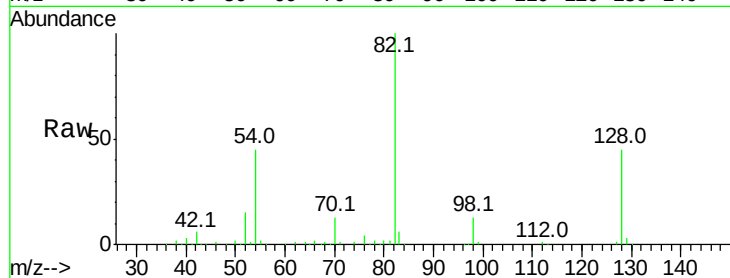
Tot Ion: 82 Resp: 421239

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

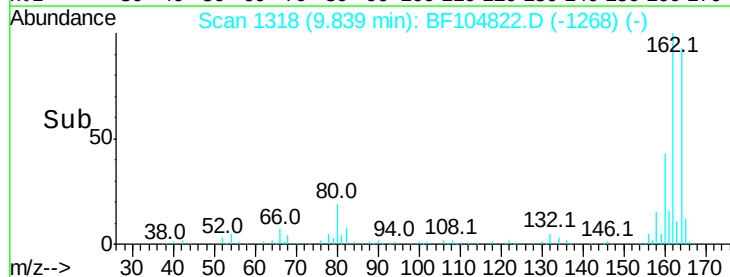
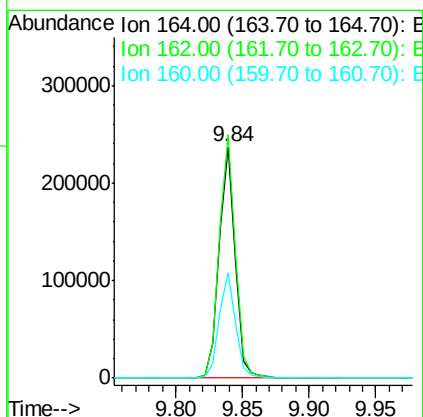
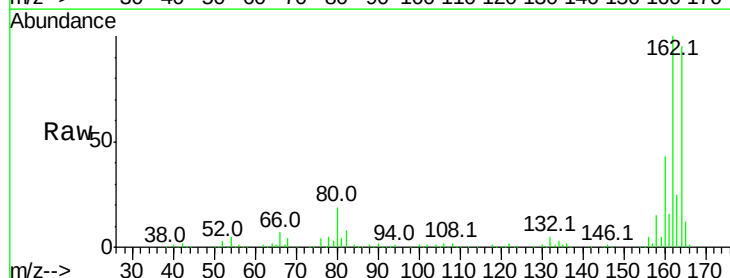
Tgt Ion:164 Resp: 203645

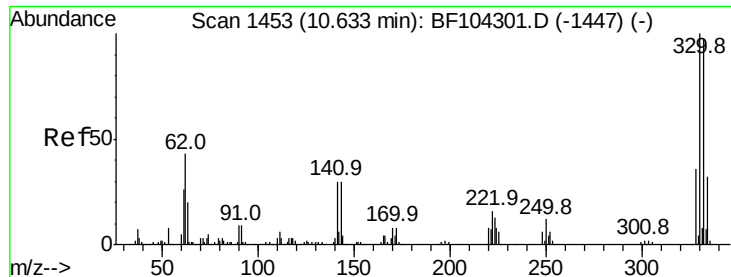
Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

160 45.6 38.3 57.5

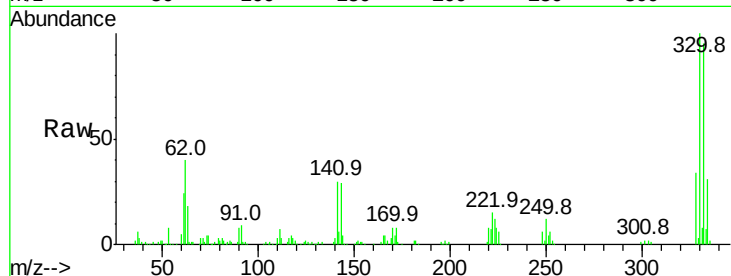




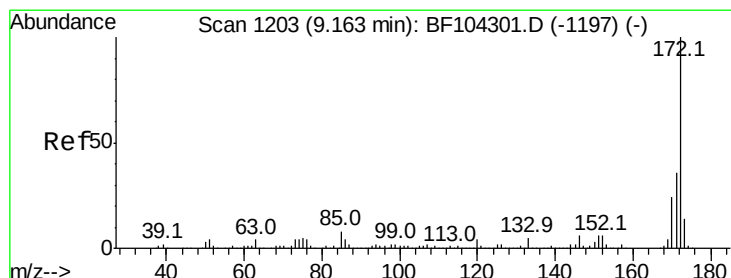
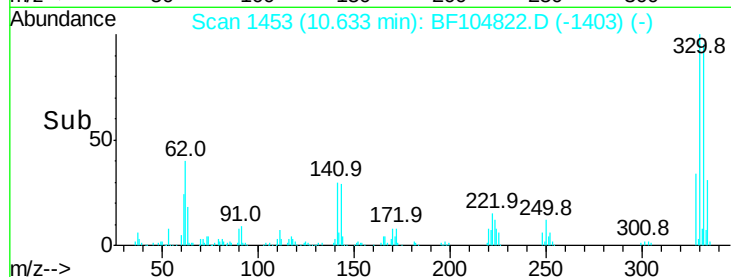
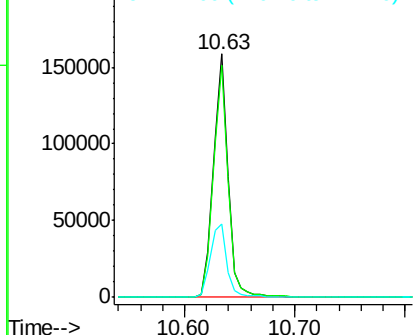
#41
 2,4,6-Tribromophenol
 Concen: 68.478 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104822.D
 Acq: 26 Apr 2018 7:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	34.1	29.9	44.9

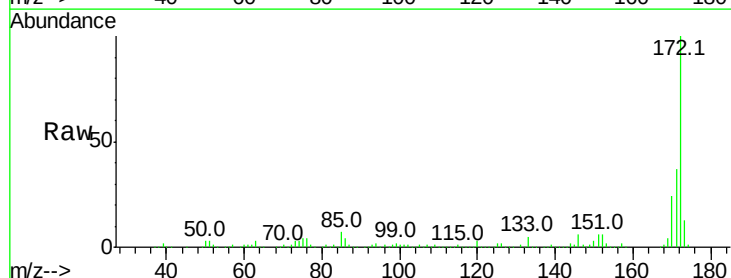


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

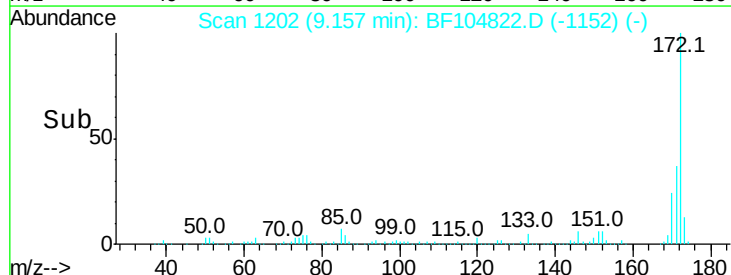
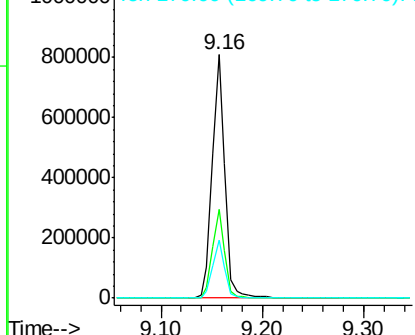


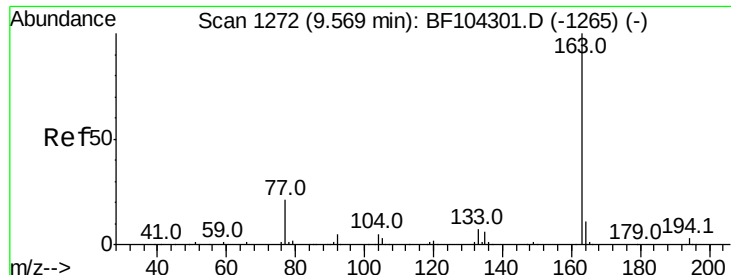
#44
 2-Fluorobiphenyl
 Concen: 54.575 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104822.D
 Acq: 26 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.8	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

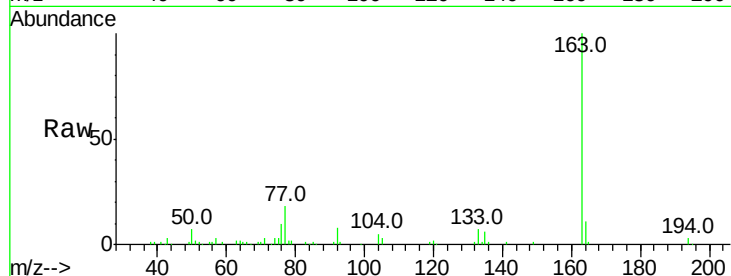




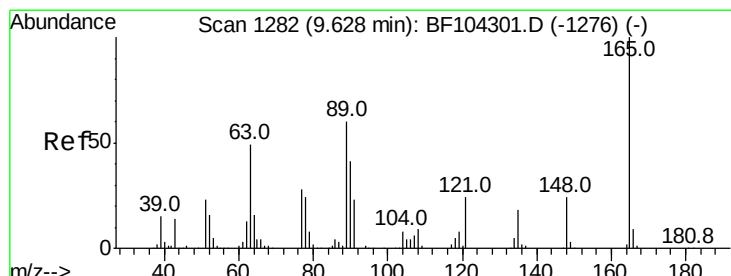
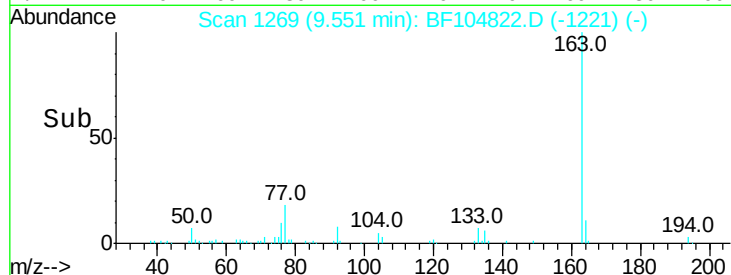
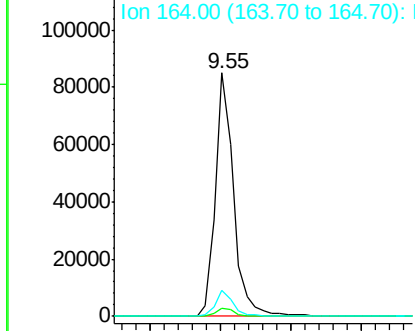
#49
Dimethylphthalate
Concen: 4.775 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 76681
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.5 8.2 12.2

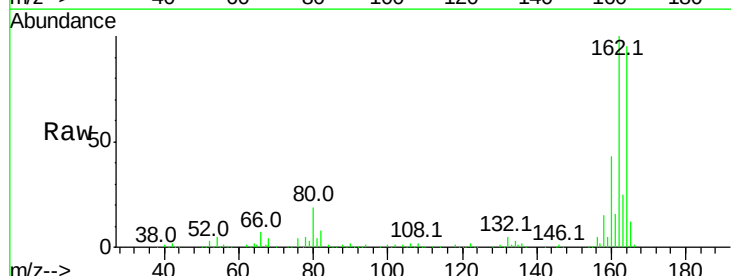


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

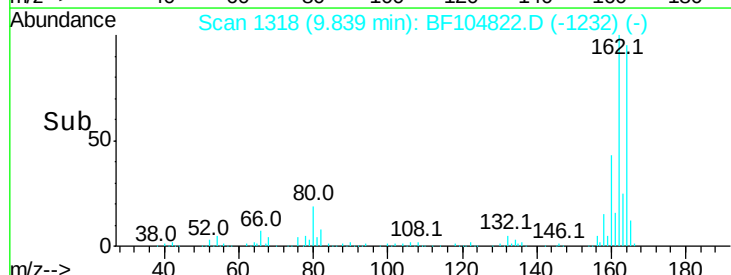
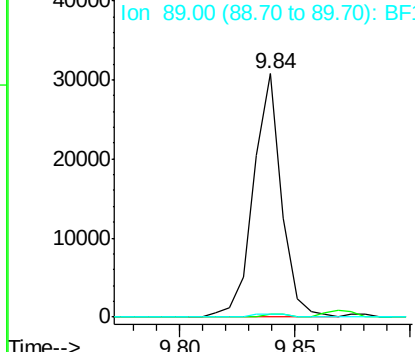


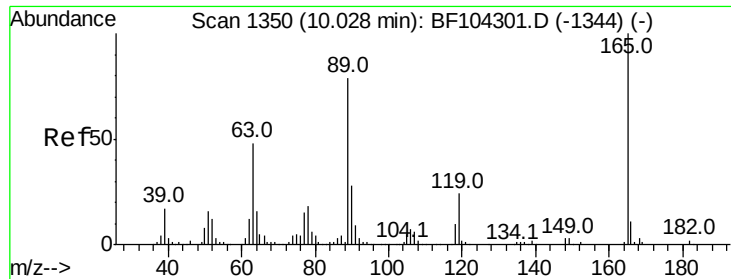
#50
2,6-Dinitrotoluene
Concen: 8.795 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Tgt Ion:165 Resp: 26136
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.1 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

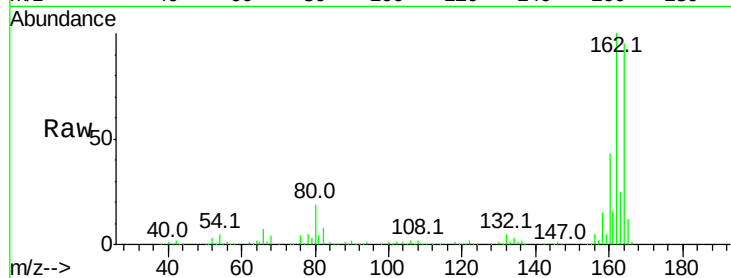




#56
 2,4-Dinitrotoluene
 Concen: 6.705 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104822.D
 Acq: 26 Apr 2018 7:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	26136
Ion Ratio	Lower	Upper
165	100	
63	1.2	36.4 54.6#
89	1.1	57.8 86.6#
182	0.0	1.6 2.4#

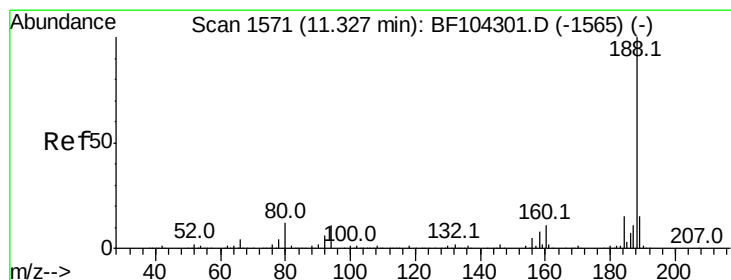
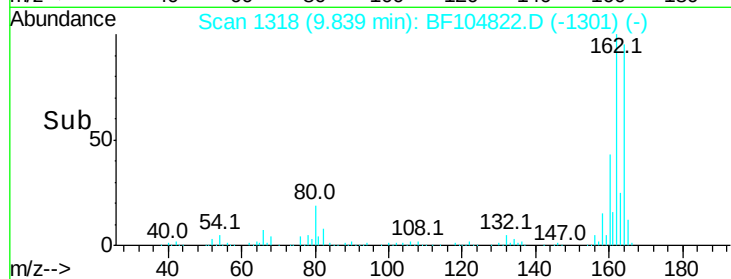
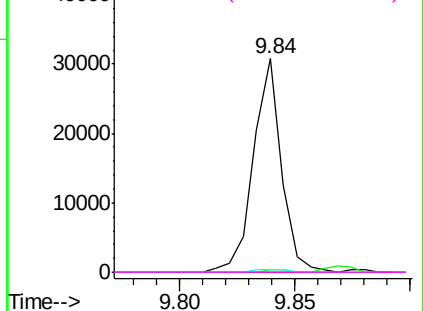


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

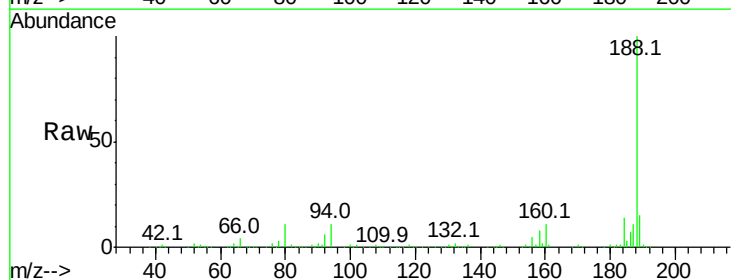
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104822.D
 Acq: 26 Apr 2018 7:27

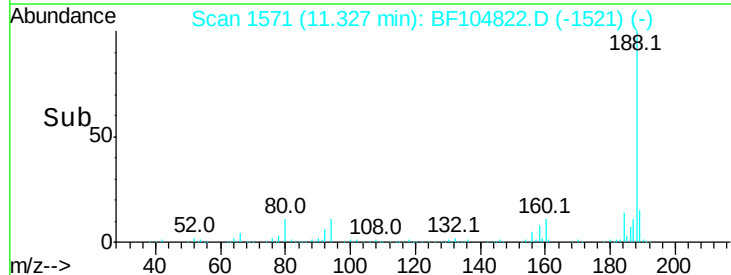
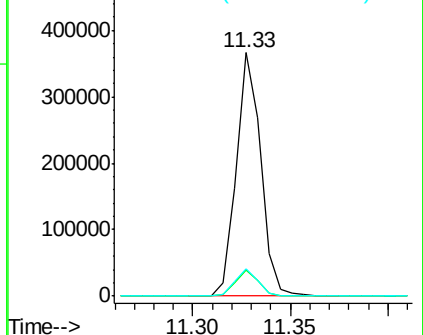
Tgt Ion:188	Resp:	318300
Ion Ratio	Lower	Upper
188	100	
94	10.7	8.5 12.7
80	11.3	9.2 13.8

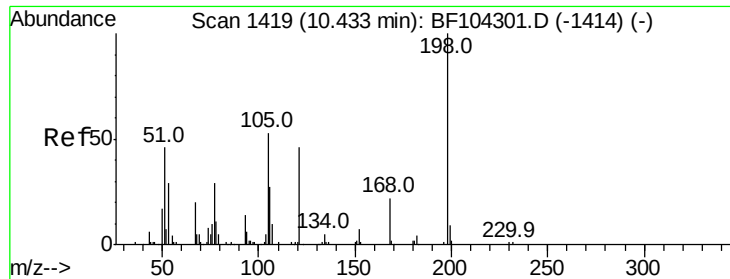


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

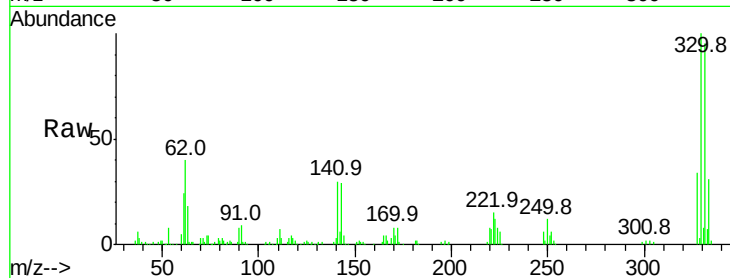




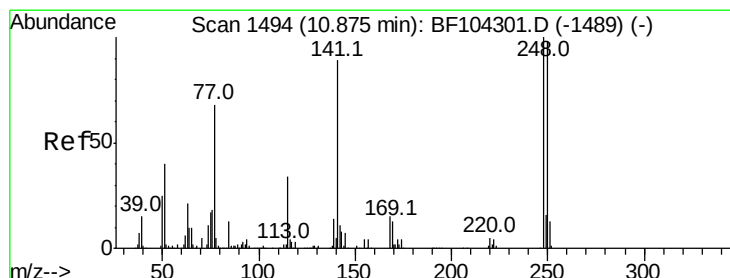
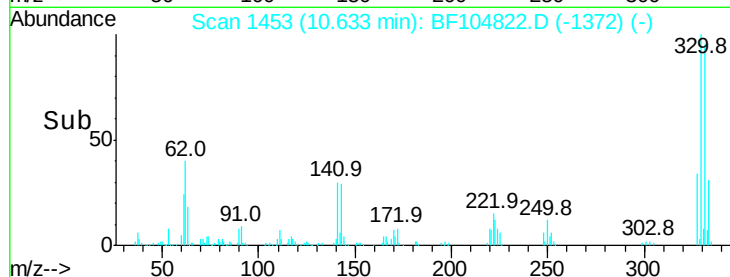
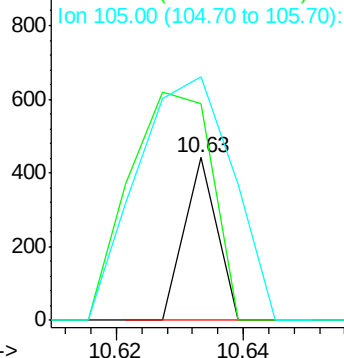
#64
4,6-Dinitro-2-methylphenol
Concen: 7.432 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 156
Ion Ratio Lower Upper
198 100
51 133.1 37.7 77.7#
105 149.9 36.3 76.3#

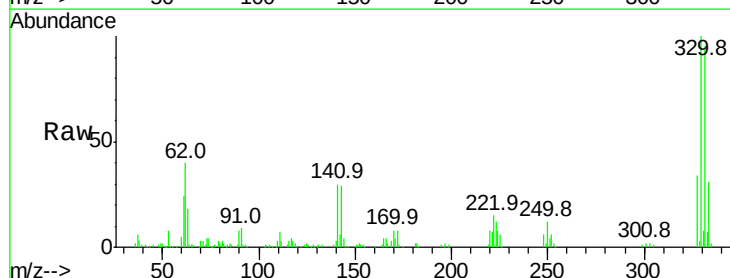


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

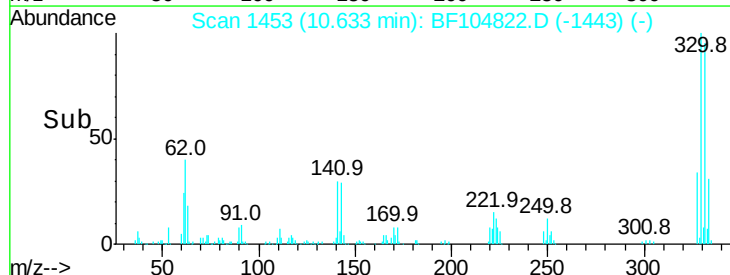
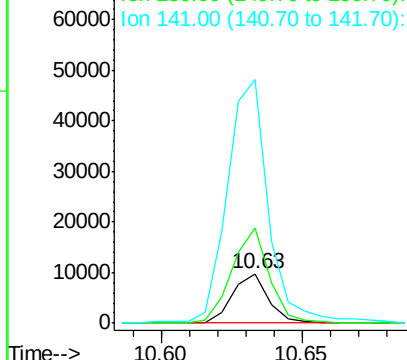


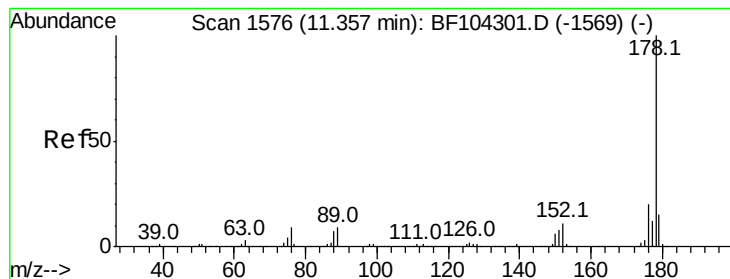
#66
4-Bromophenyl-phenylether
Concen: 2.530 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Tgt Ion:248 Resp: 8567
Ion Ratio Lower Upper
248 100
250 193.1 76.9 115.3#
141 492.4 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: 9.519 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

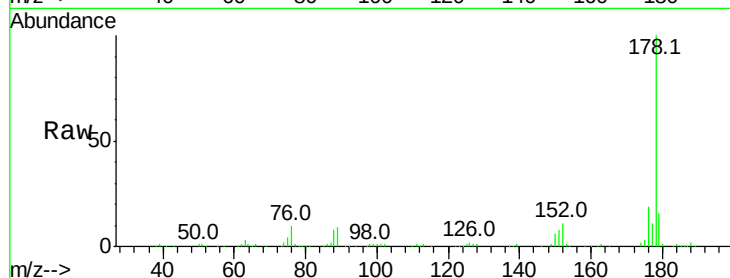
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 168740

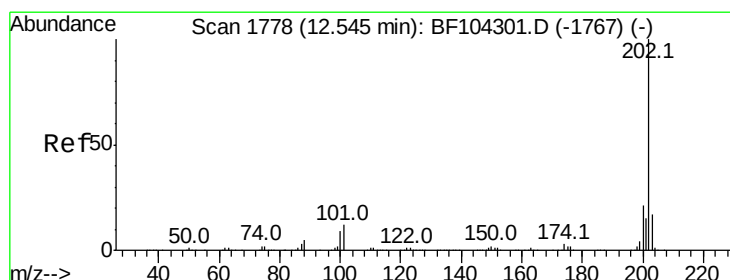
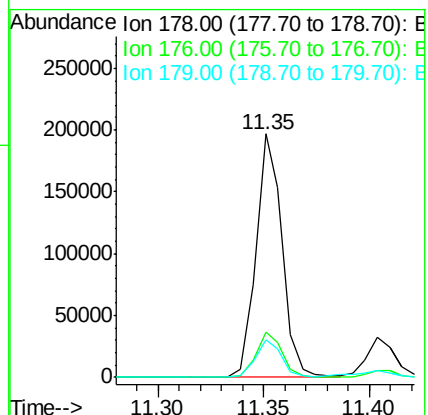
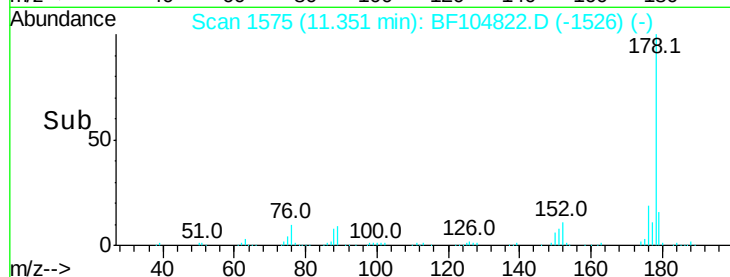
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.5	13.0	19.6



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



#74

Fluoranthene

Concen: 9.264 ng

RT: 12.54 min Scan# 1778

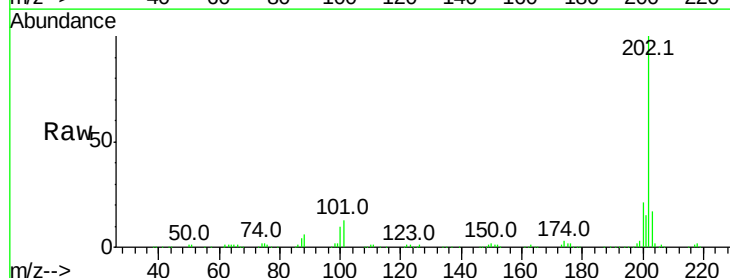
Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

Tgt Ion:202 Resp: 171570

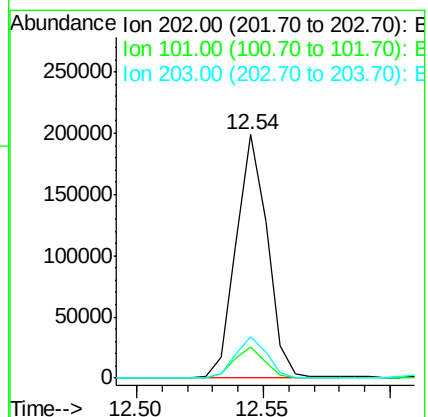
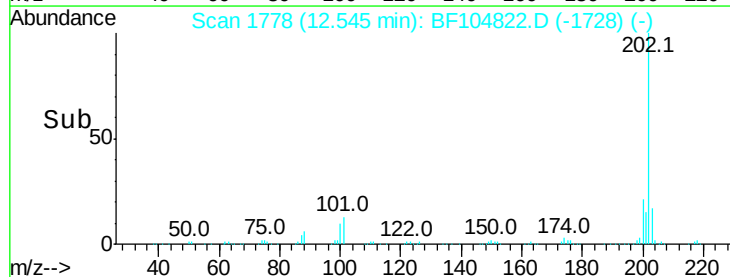
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.2	0.0	38.1

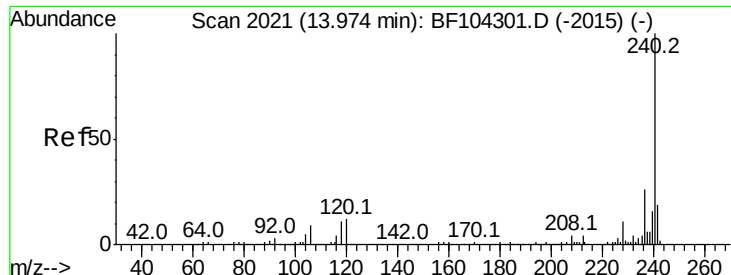


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

Instrument :

BNA_F

ClientSampleId :

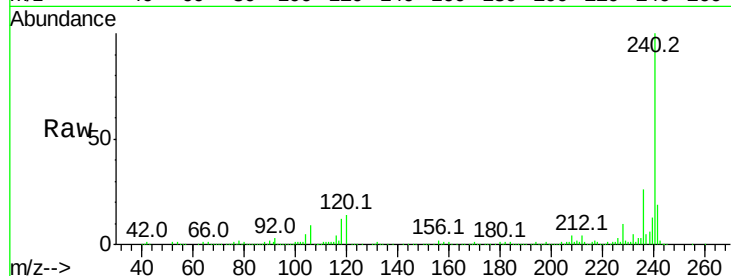
Tot Ion:240 Resp: 255991

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

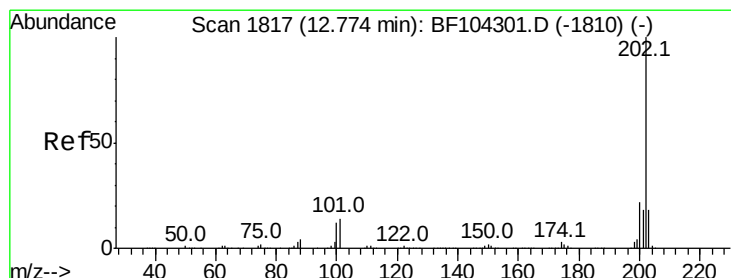
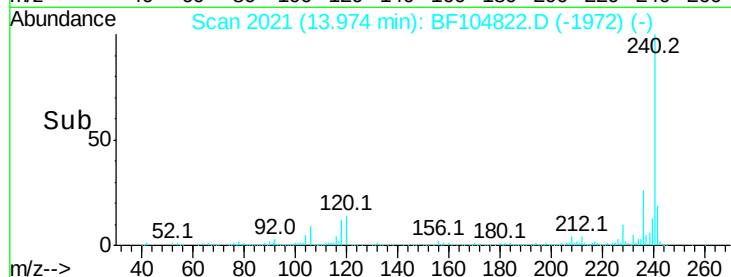
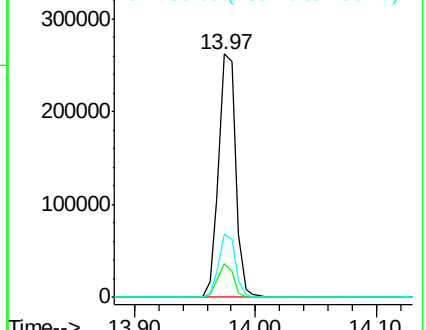
236 26.0 20.7 31.1



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

Pyrene

Concen: 7.897 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

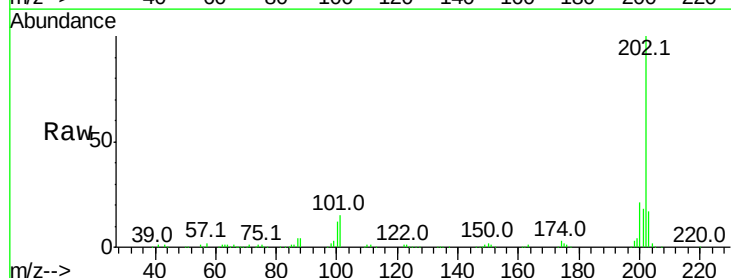
Tgt Ion:202 Resp: 149851

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

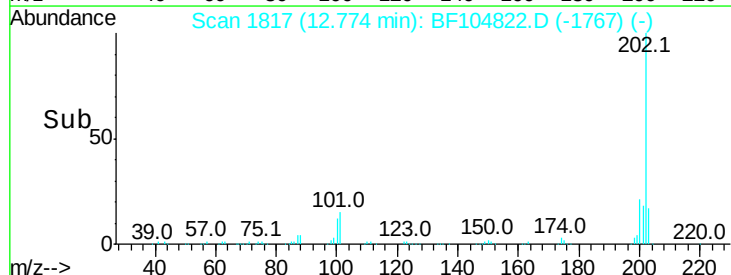
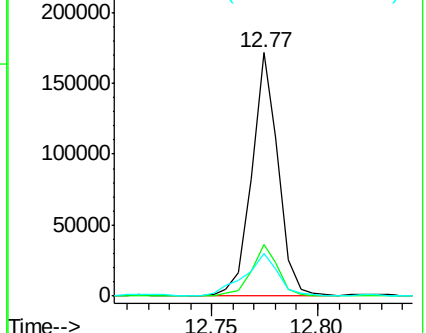
203 17.4 14.3 21.5

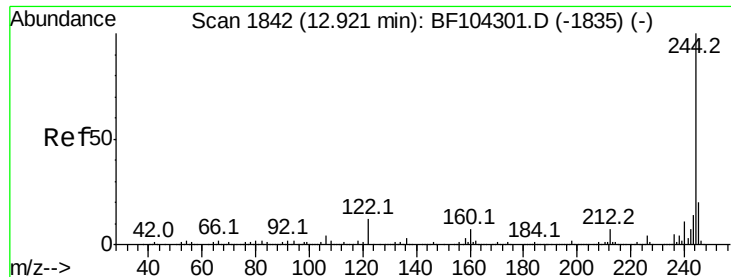


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 45.481 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

Instrument :

BNA_F

ClientSampleId :

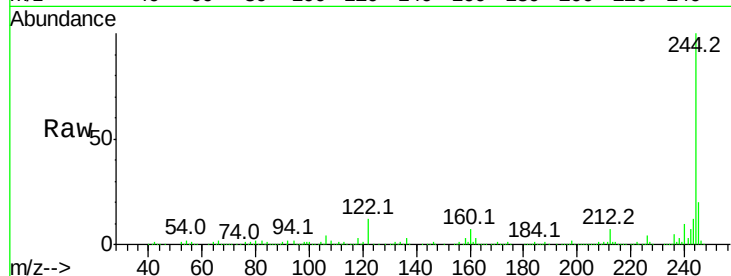
Tot Ion:244 Resp: 510688

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

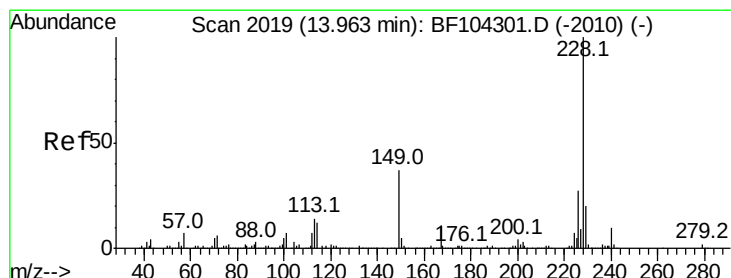
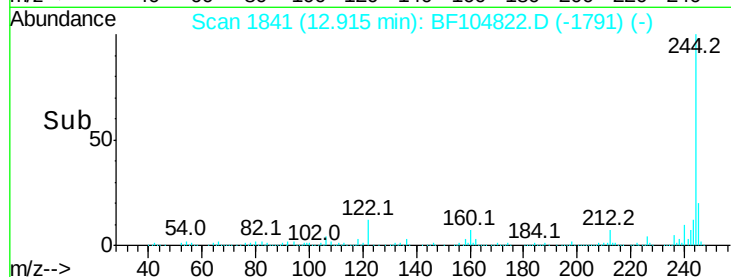
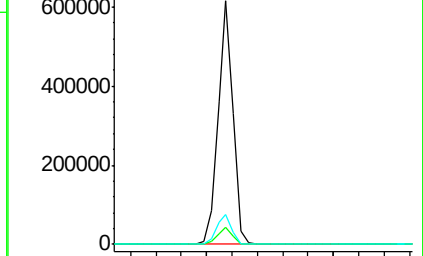
122 12.5 11.0 16.4



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: 4.615 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104822.D

Acq: 26 Apr 2018 7:27

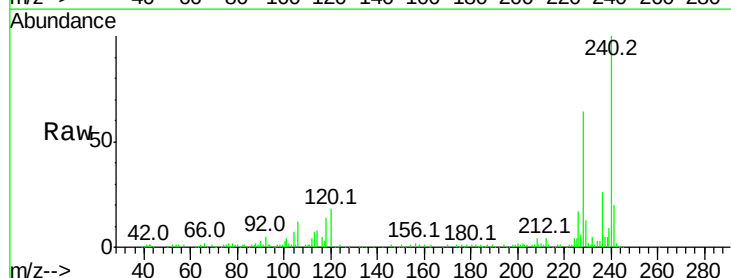
Tgt Ion:228 Resp: 70581

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

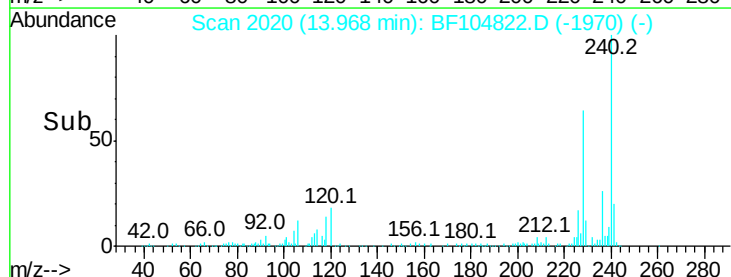
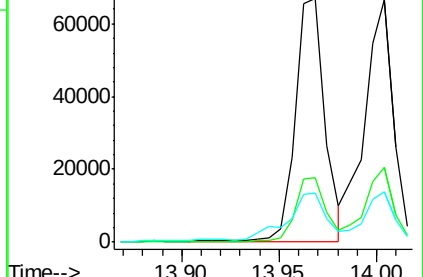
229 20.3 15.8 23.6

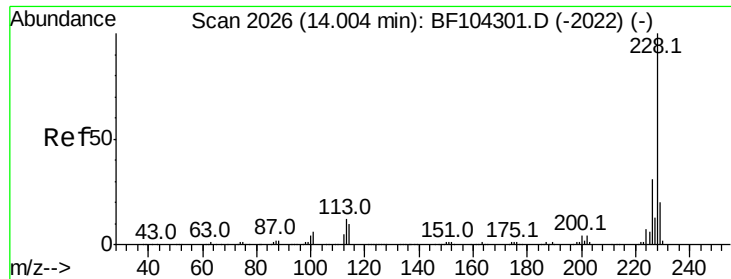


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

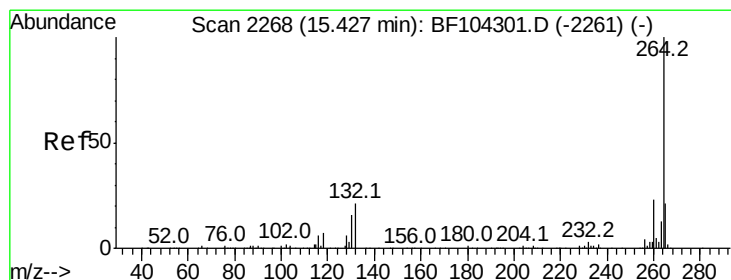
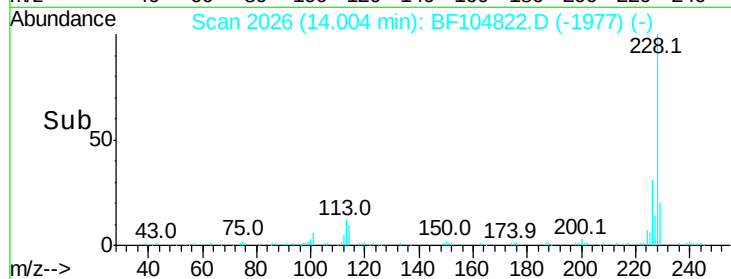
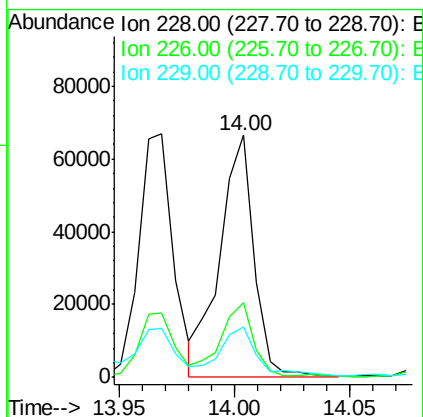
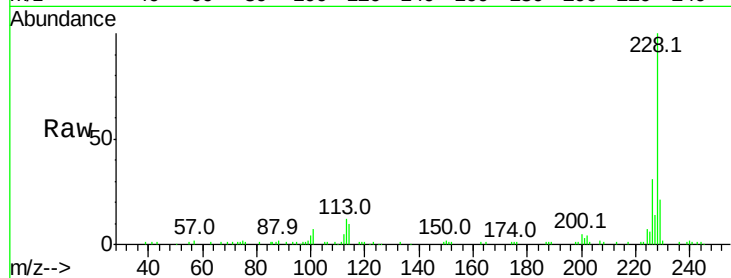




#82
 Chrysene
 Concen: 4.392 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF104822.D
 Acq: 26 Apr 2018 7:27

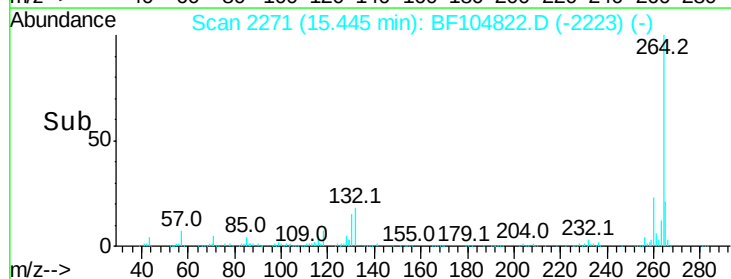
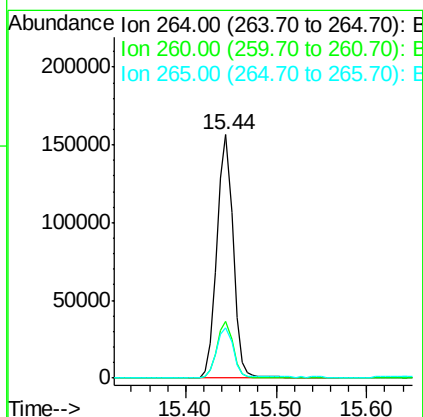
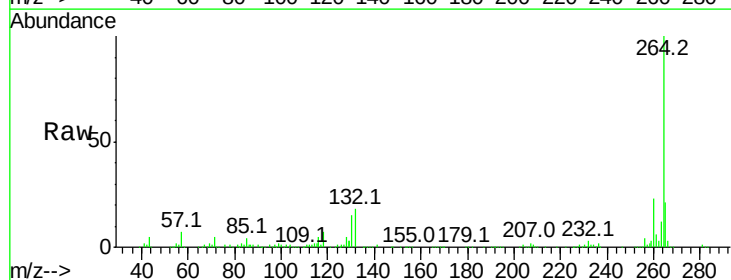
Instrument :
 BNA_F
 ClientSampleId :

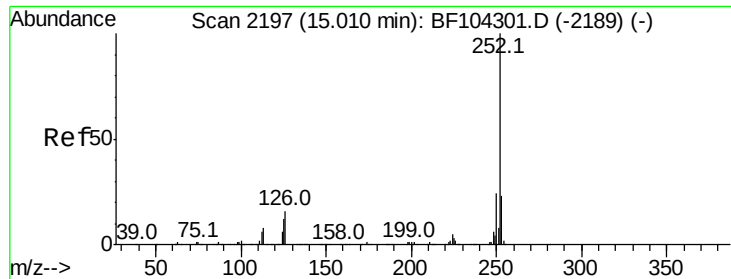
Tot Ion:228 Resp: 68999
 Ion Ratio Lower Upper
 228 100
 226 30.8 25.0 37.6
 229 21.0 16.2 24.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104822.D
 Acq: 26 Apr 2018 7:27

Tgt Ion:264 Resp: 194150
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 20.9 17.5 26.3

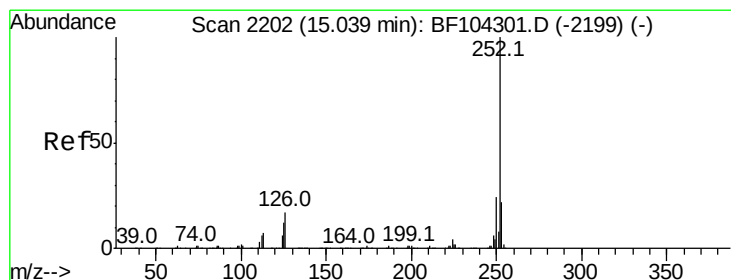
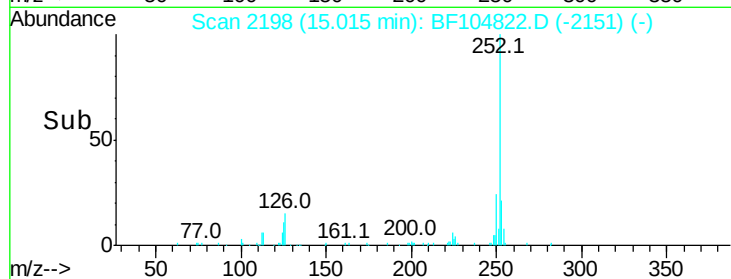
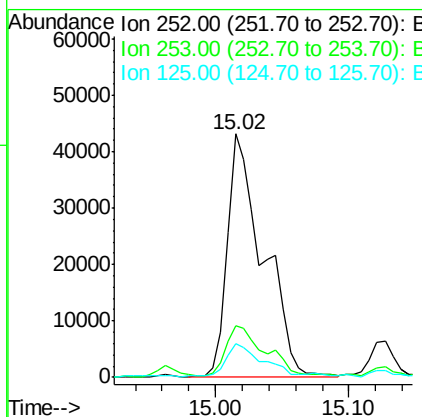
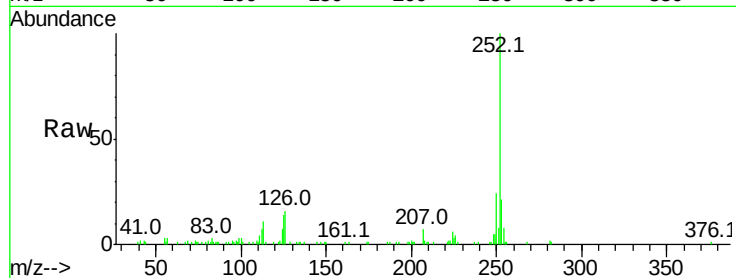




#87
Benzo(b)fluoranthene
Concen: 6.651 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

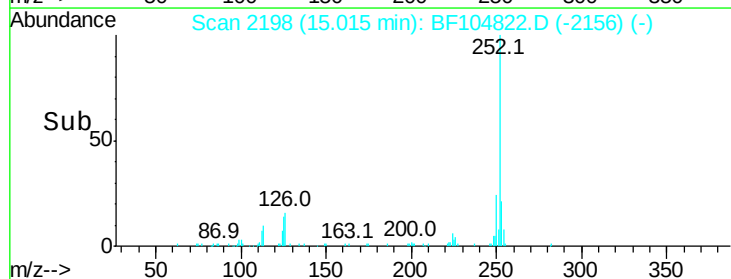
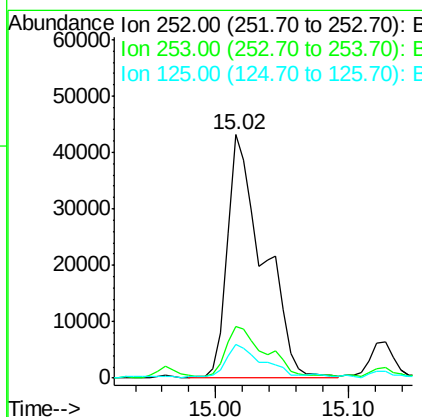
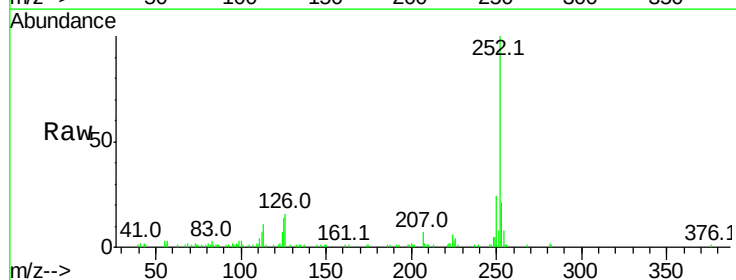
Instrument :
BNA_F
ClientSampleId :

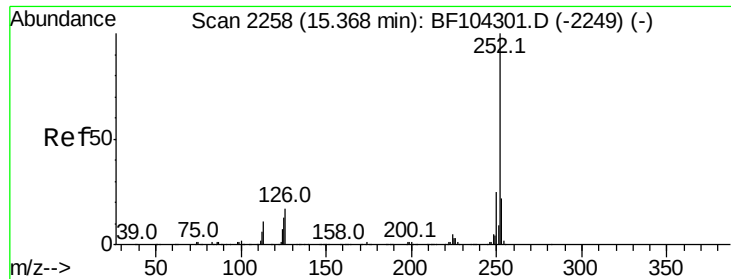
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	13.6	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 7.045 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	13.6	10.2	15.2

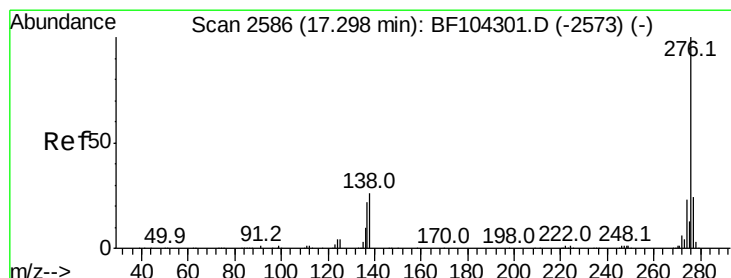
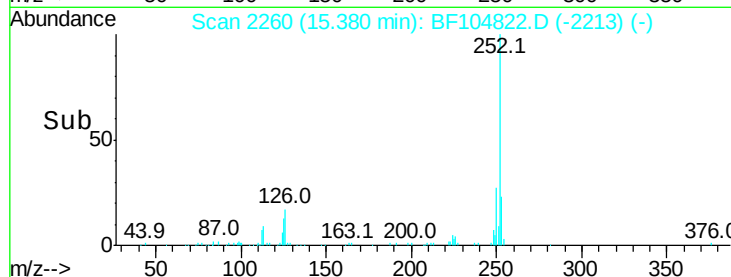
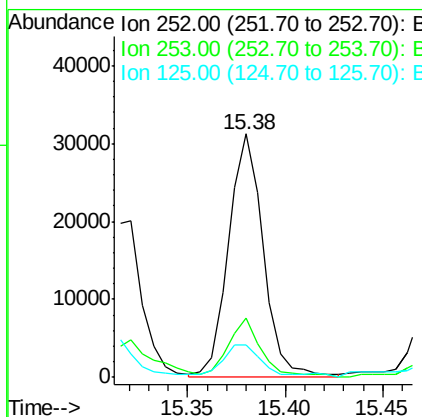
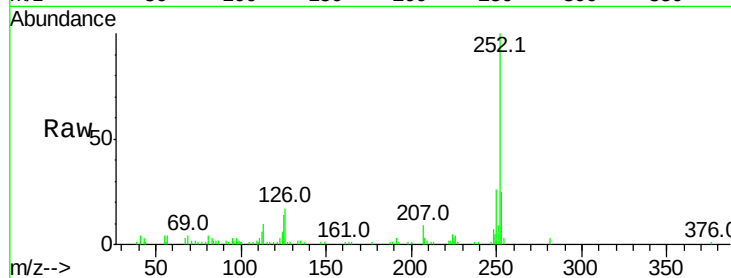




#89
Benzo(a)pyrene
Concen: 3.526 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	13.5	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.093 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.04 min
Lab File: BF104822.D
Acq: 26 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	22.0	21.8	32.8

