

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104571.D
 Acq On : 17 Apr 2018 19:44
 Operator : JU/SJ
 Sample : J2387-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:51:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	137515	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	555398	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	231154	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	379450	20.00	ng	0.00
75) Chrysene-d12	13.98	240	295312	20.00	ng	0.00
86) Perylene-d12	15.44	264	251883	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	791773	88.04	ng	0.00
7) Phenol-d6	6.45	99	957274	86.63	ng	0.00
23) Nitrobenzene-d5	7.37	82	563034	66.20	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	206033	85.93	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	851710	58.21	ng	0.00
78) Terphenyl-d14	12.92	244	662450	51.14	ng	0.00

Target Compounds

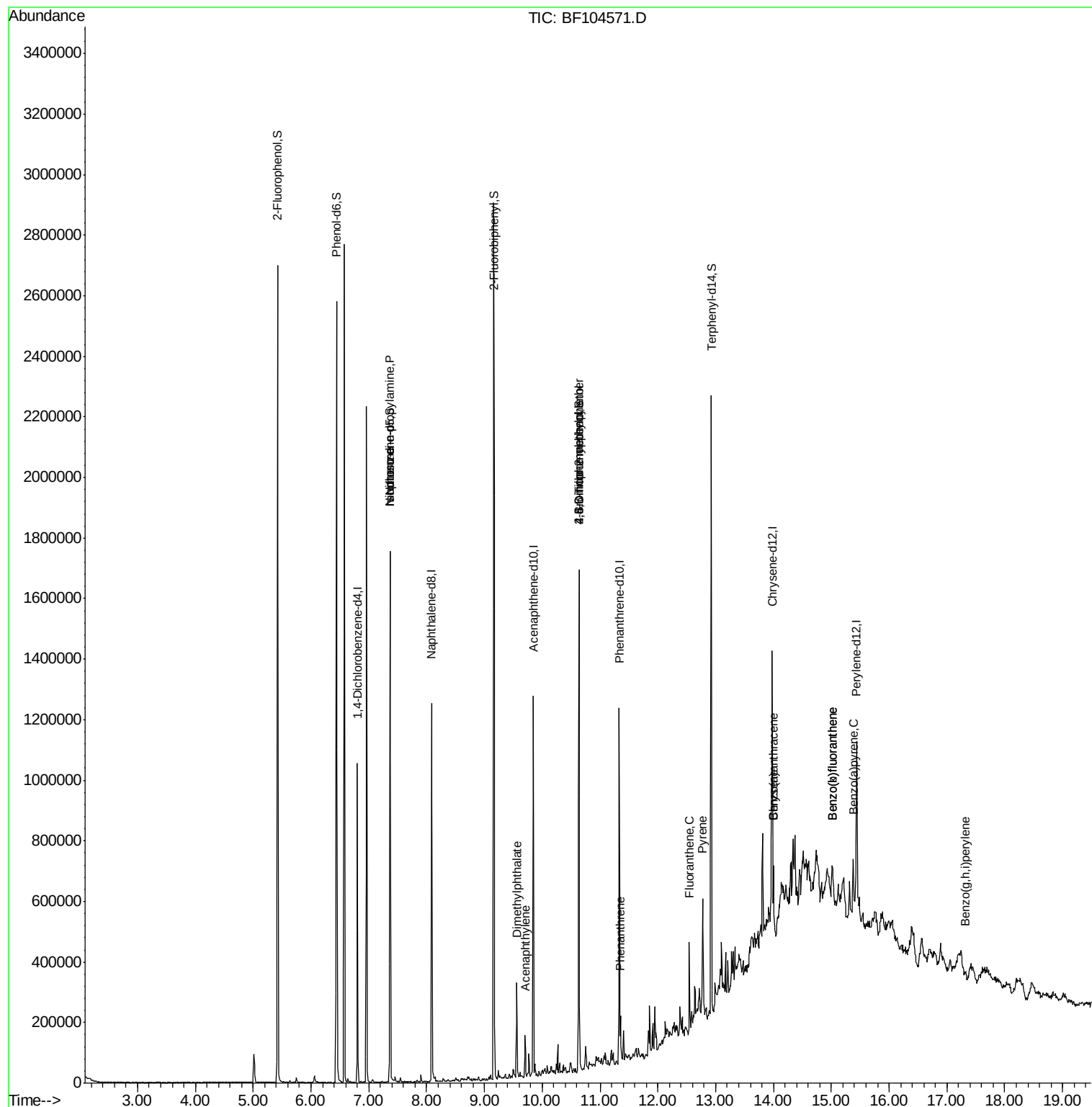
						Qvalue
9) Benzaldehyde	6.45	77	1670	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	73579	10.190	ng	# 73
25) Isophorone	7.37	82	563029	31.303	ng	# 64
48) Acenaphthylene	9.70	152	48463	2.014	ng	98
49) Dimethylphthalate	9.56	163	102424	5.619	ng	100
64) 4,6-Dinitro-2-methylphenol	10.63	198	418	7.539	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12393	3.071	ng	# 1
70) Phenanthrene	11.36	178	50397	2.385	ng	99
74) Fluoranthene	12.55	202	102289	4.633	ng	98
76) Benzidine	12.59	184	384	Below Cal	#	1
77) Pyrene	12.77	202	149217	6.817	ng	98
80) Benzo(a)anthracene	14.00	228	96298	5.458	ng	96
82) Chrysene	14.00	228	96298	5.314	ng	98
87) Benzo(b)fluoranthene	15.02	252	102791	6.461	ng	# 79
88) Benzo(k)fluoranthene	15.02	252	102791	6.844	ng	# 81
89) Benzo(a)pyrene	15.37	252	88496	6.217	ng	# 88
91) Benzo(a,h,i)perylene	17.32	276	32409	2.861	ng	# 87

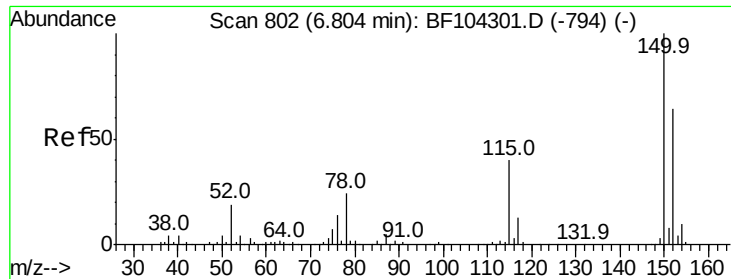
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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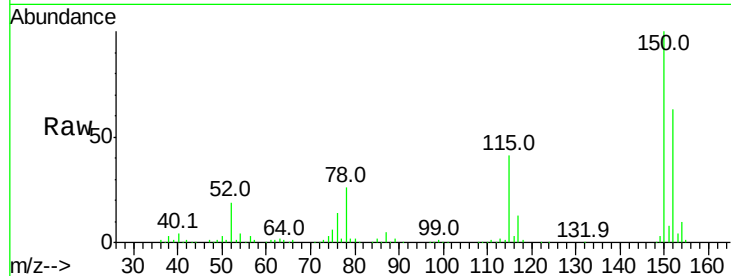


#1

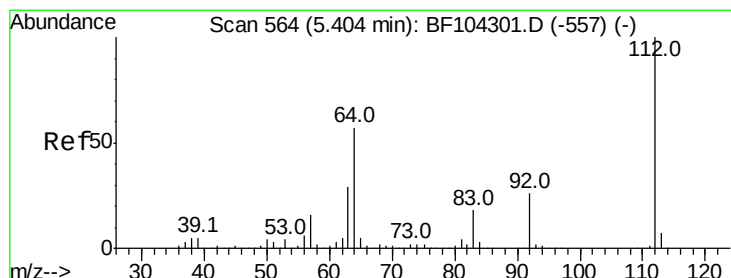
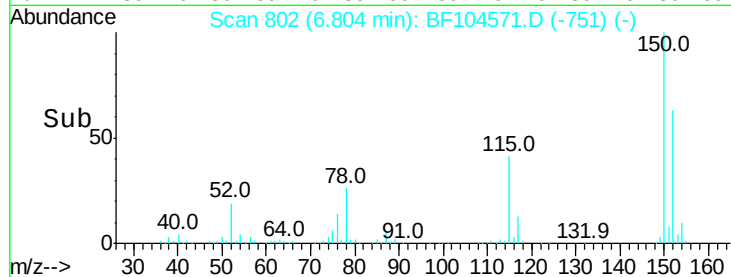
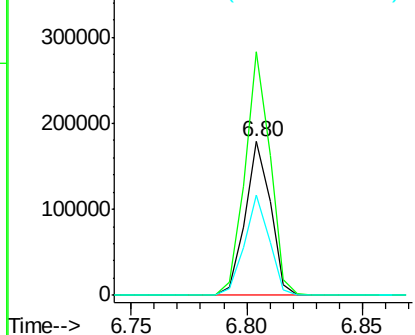
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137515
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 64.8 50.1 75.1



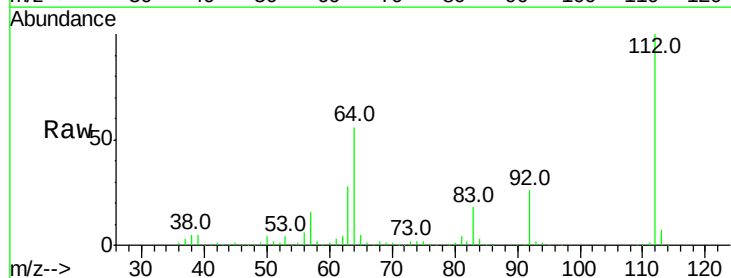
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



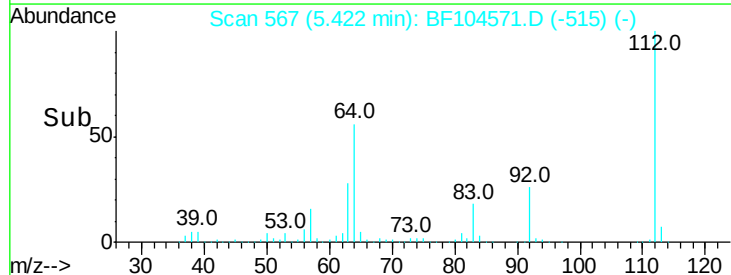
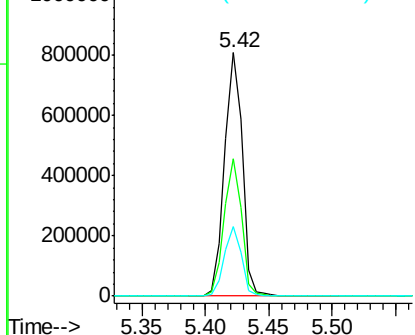
#5

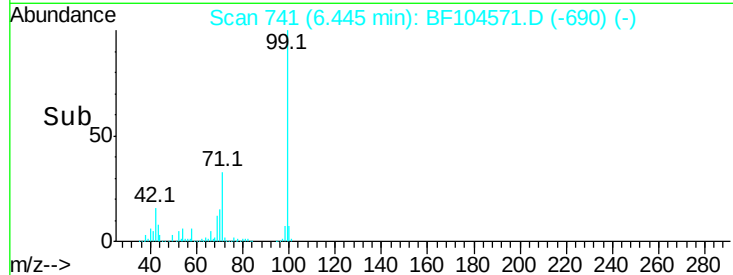
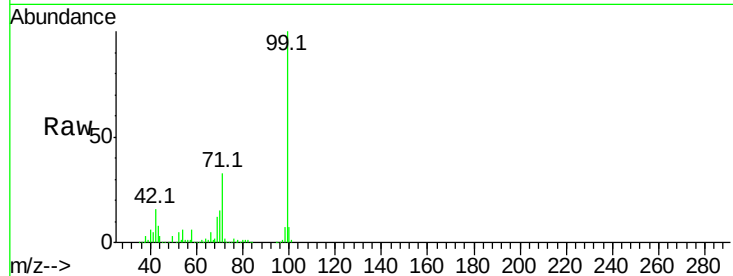
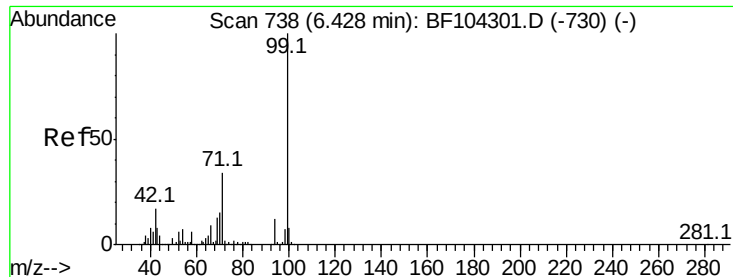
2-Fluorophenol
Concen: 88.039 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion:112 Resp: 791773
Ion Ratio Lower Upper
112 100
64 56.3 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: 86.631 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

ClientSampleId :

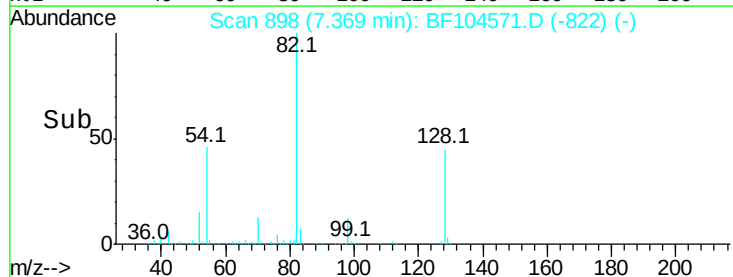
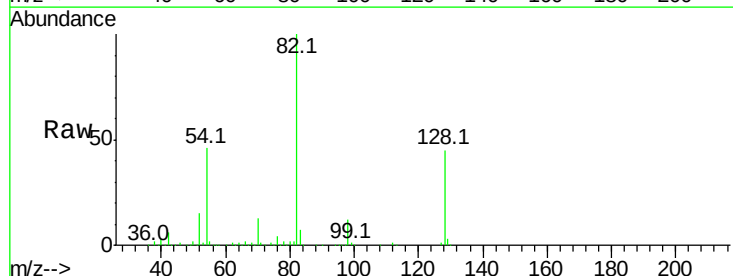
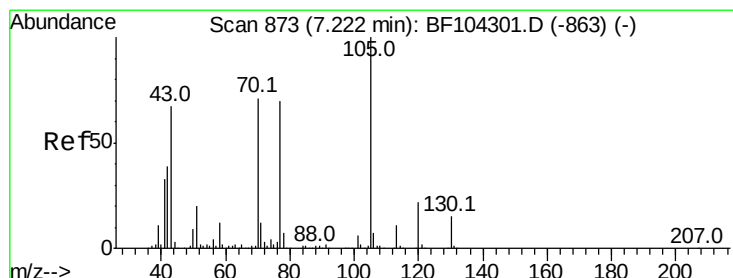
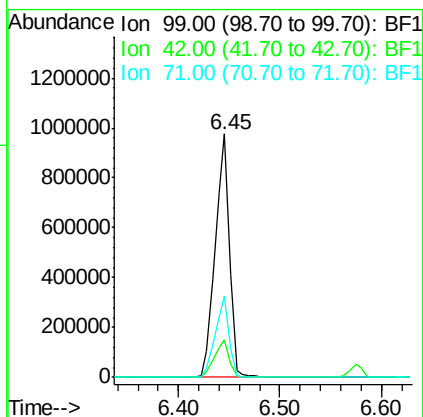
Tot Ion: 99 Resp: 957274

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.190 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Tgt Ion: 70 Resp: 73579

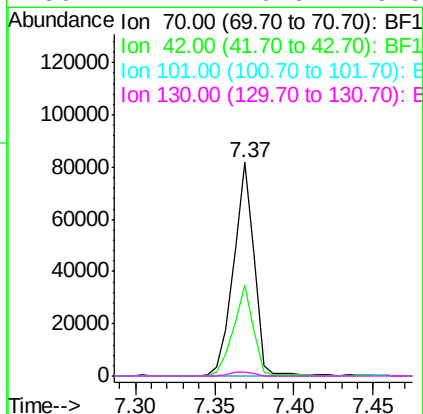
Ion Ratio Lower Upper

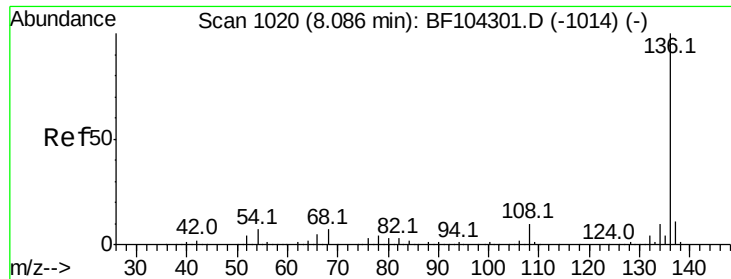
70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 555398

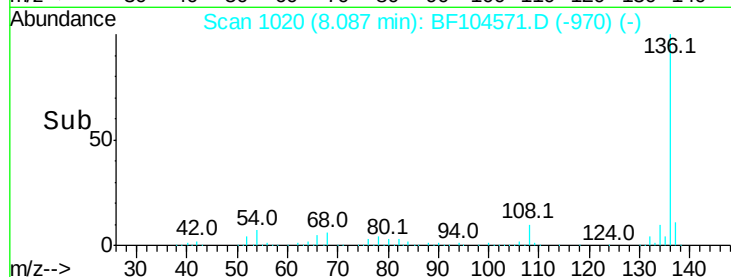
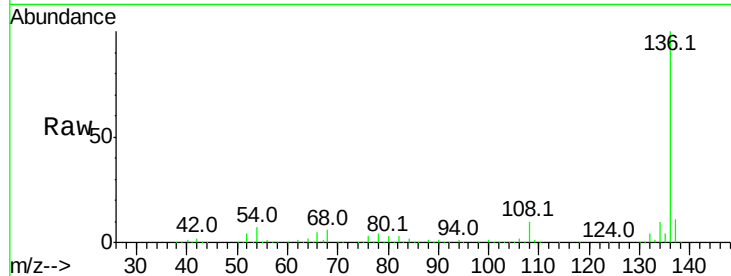
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.9 6.6 9.8

68 6.2 5.0 7.4

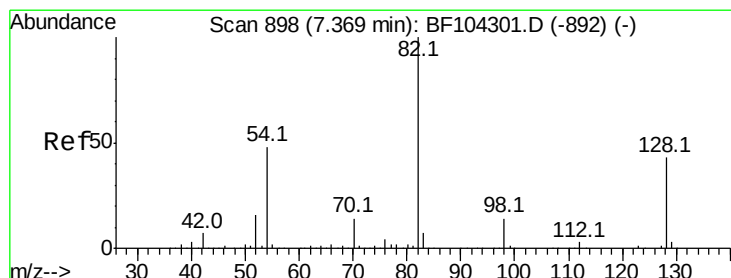
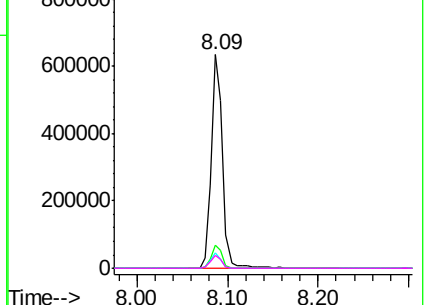


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.196 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

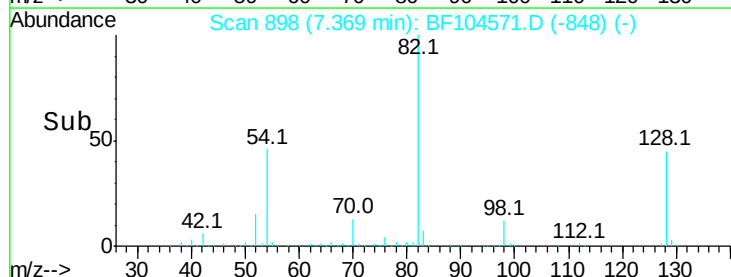
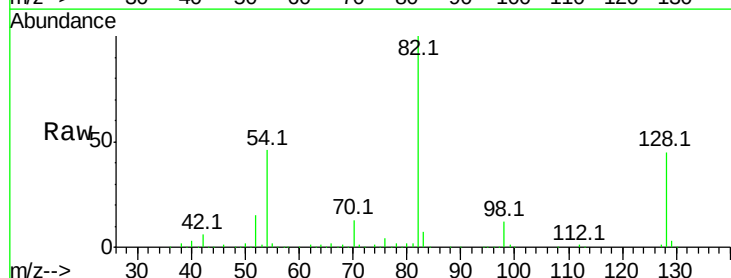
Tgt Ion: 82 Resp: 563034

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

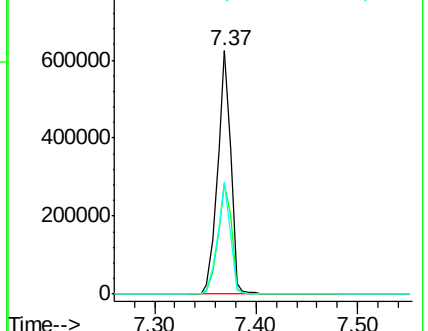
54 45.9 41.4 62.2

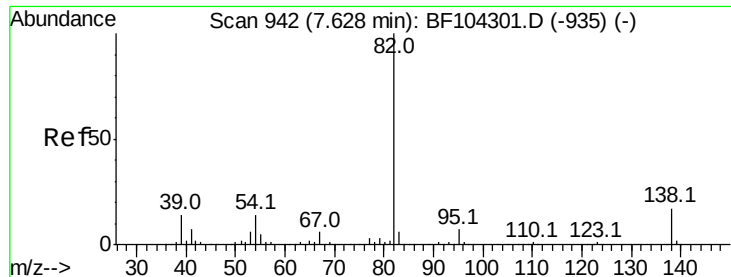


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.303 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

ClientSampleId :

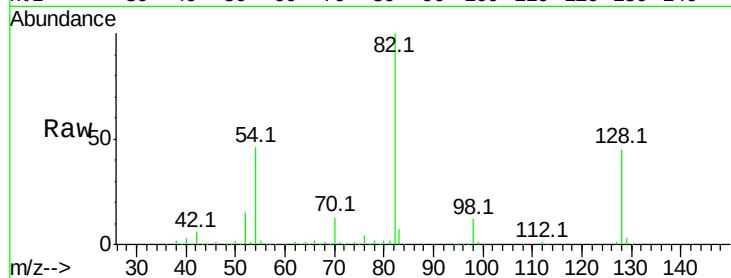
Tot Ion: 82 Resp: 563029

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

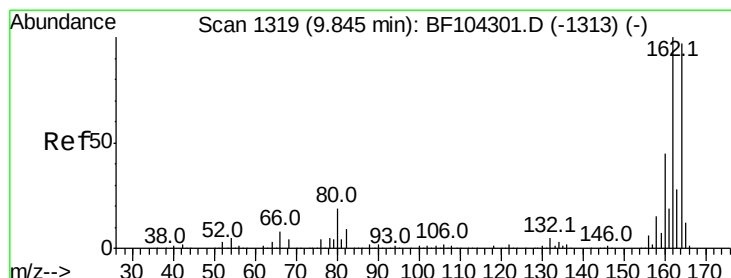
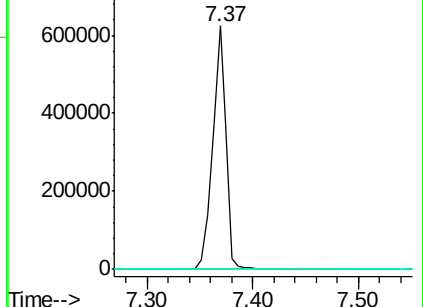
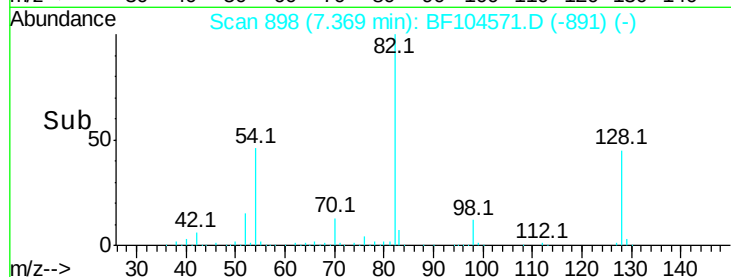
138 0.0 14.9 22.3#



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# 1319

Delta R.T. 0.00 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

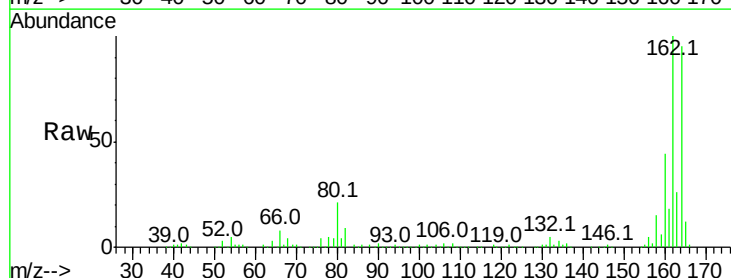
Tgt Ion:164 Resp: 231154

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

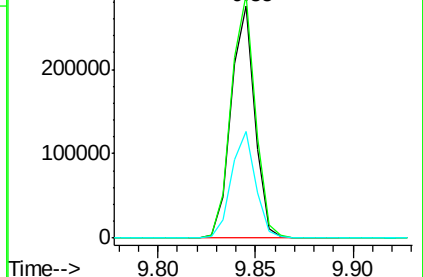
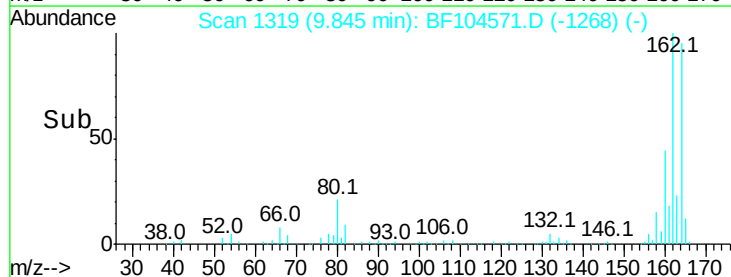
160 46.1 38.3 57.5

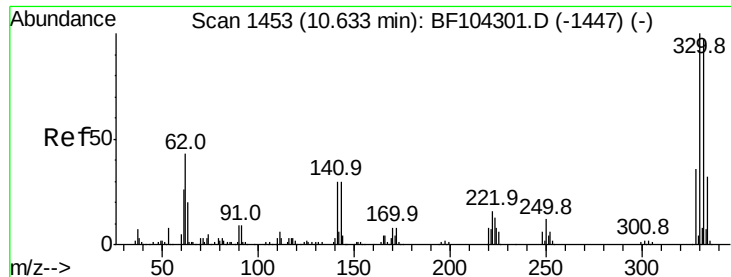


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

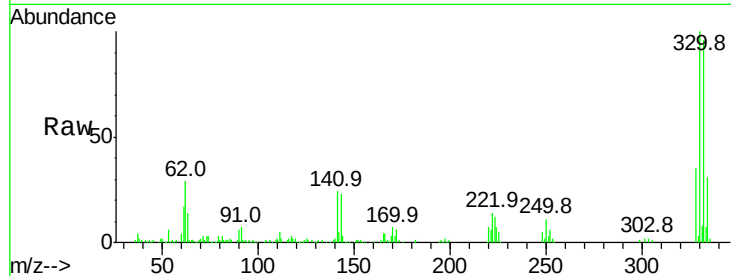




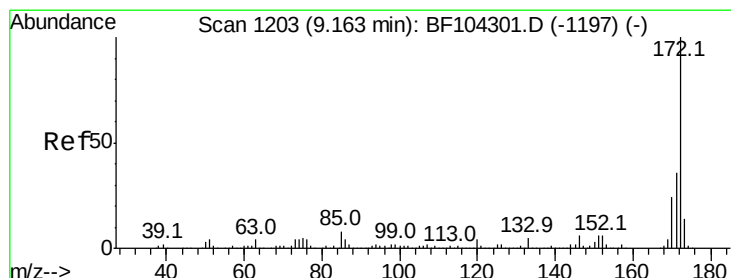
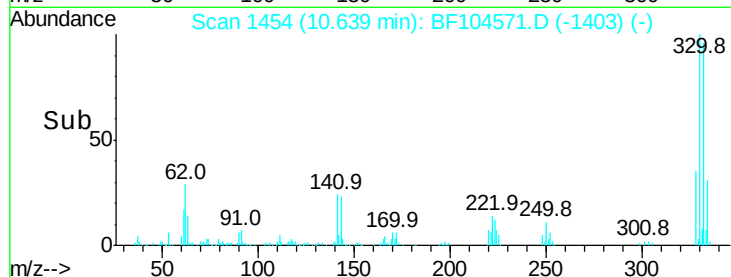
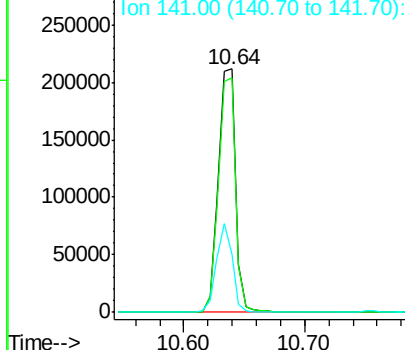
#41
 2,4,6-Tribromophenol
 Concen: 85.925 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104571.D
 Acq: 17 Apr 2018 19:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	34.2	29.9	44.9

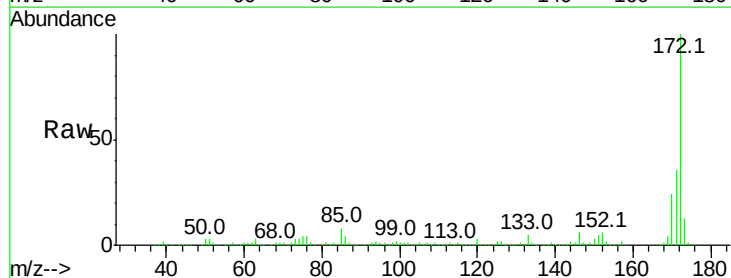


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

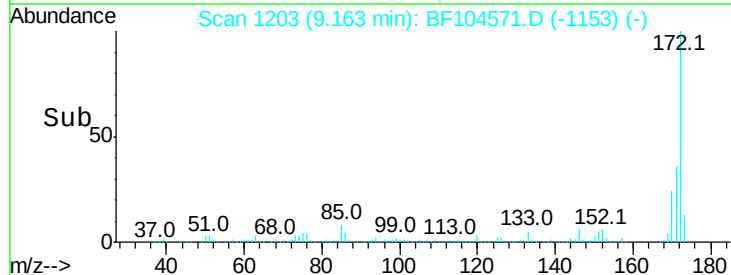
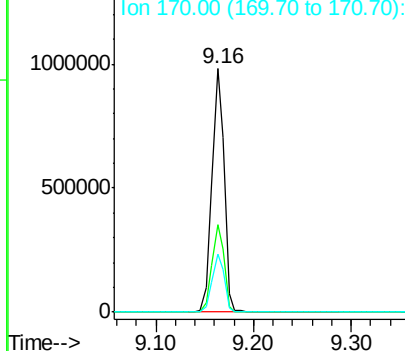


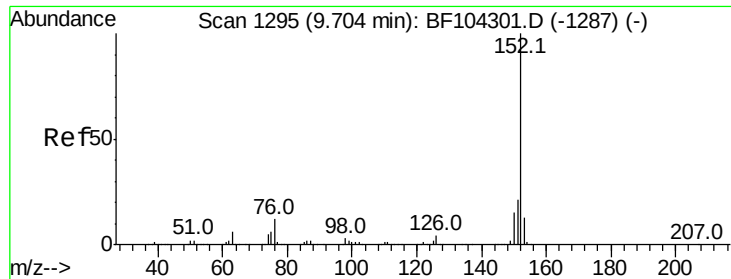
#44
 2-Fluorobiphenyl
 Concen: 58.208 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104571.D
 Acq: 17 Apr 2018 19:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.7	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

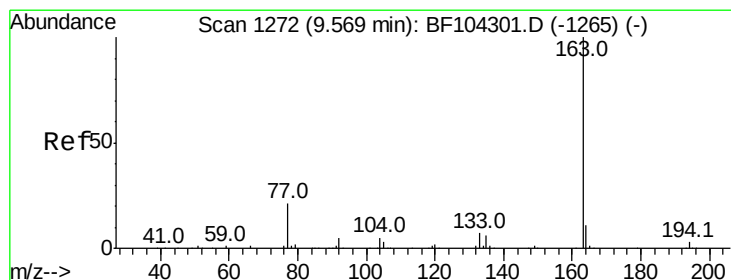
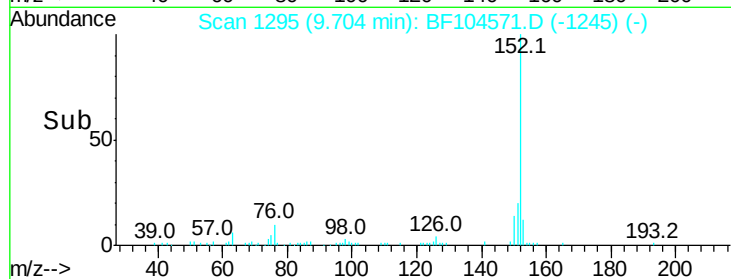
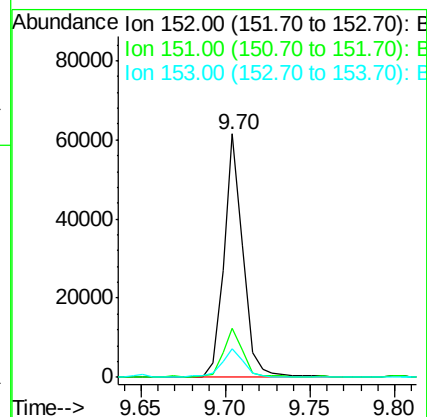
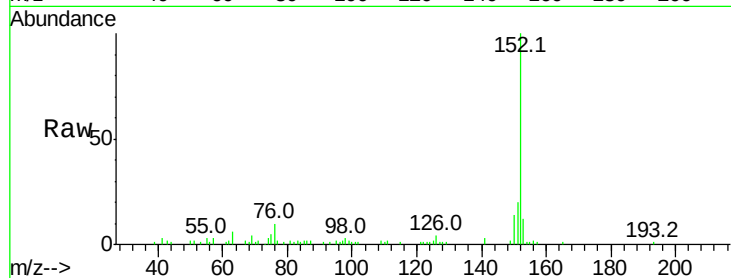




#48
Acenaphthylene
Concen: 2.014 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

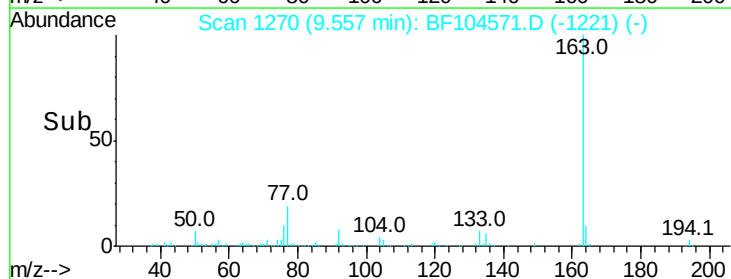
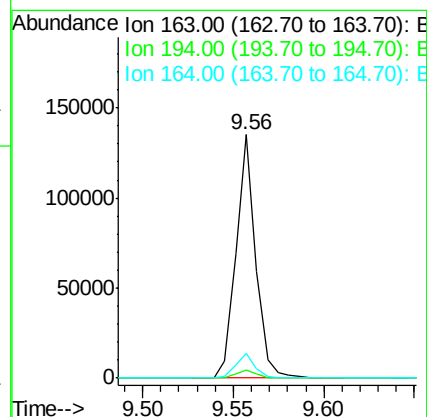
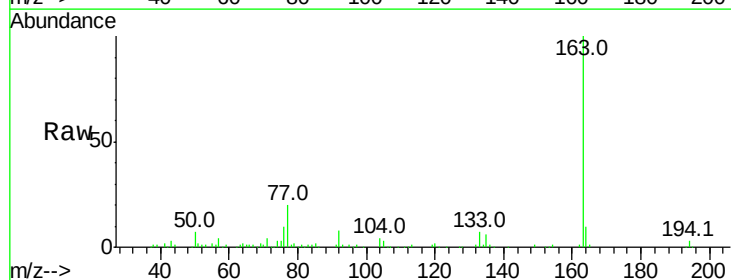
Instrument :
BNA_F
ClientSampleId :

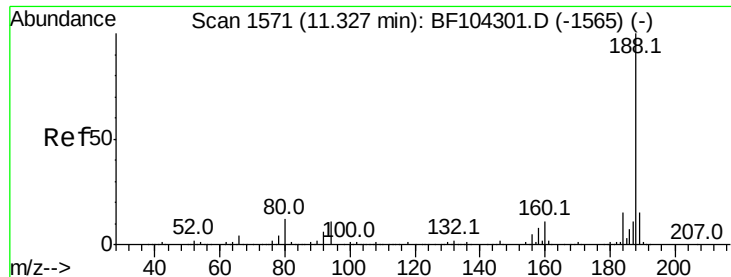
Tot Ion:152 Resp: 48463
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 11.9 10.7 16.1



#49
Dimethylphthalate
Concen: 5.619 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion:163 Resp: 102424
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.0 8.2 12.2

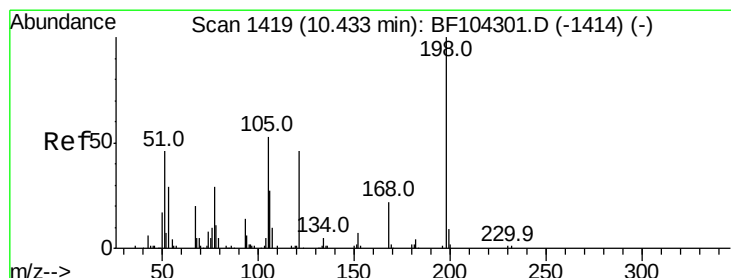
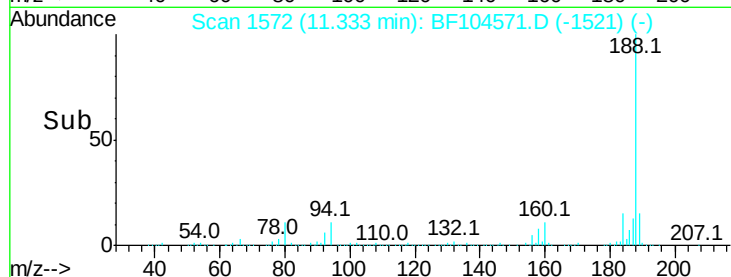
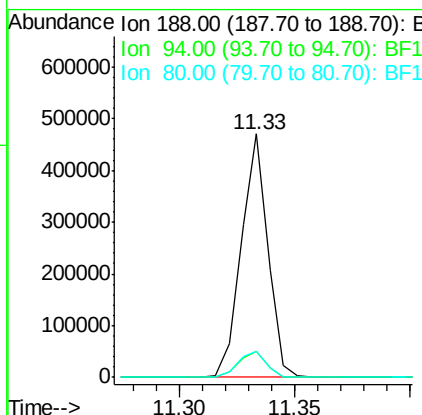
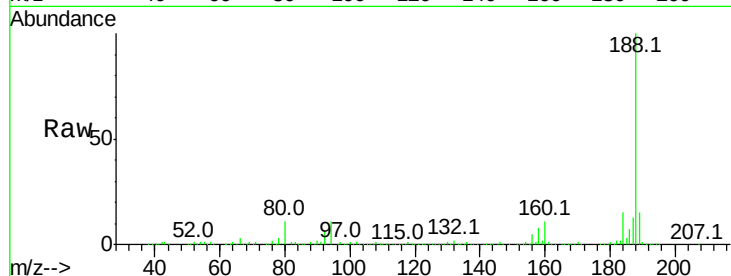




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104571.D
 Acq: 17 Apr 2018 19:44

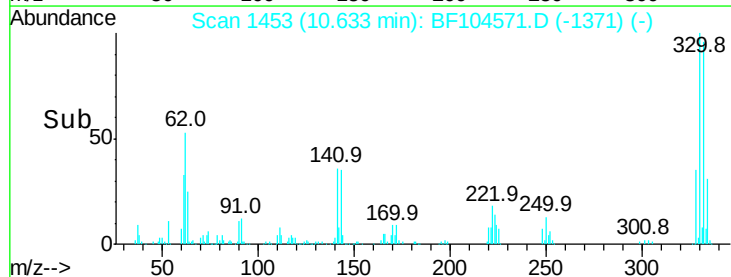
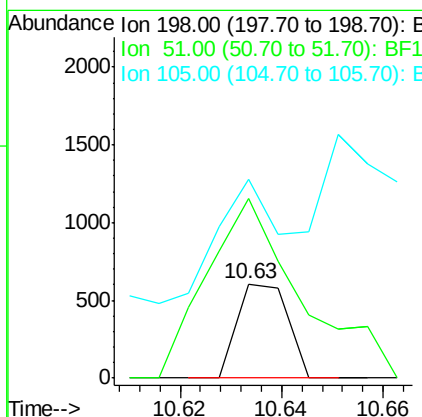
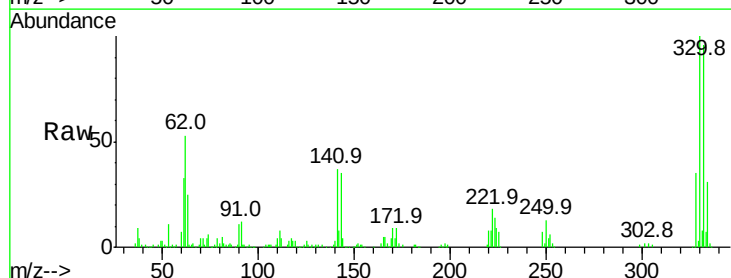
Instrument :
 BNA_F
 ClientSampleId :

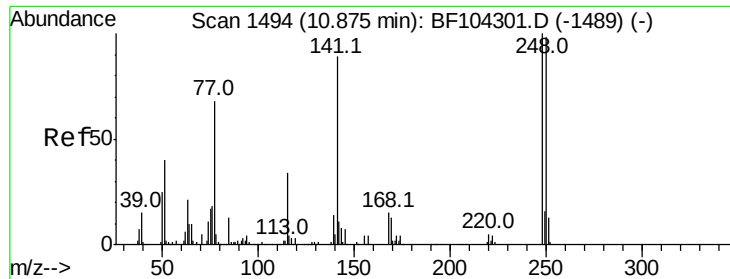
Tot Ion:188 Resp: 379450
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 10.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.539 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104571.D
 Acq: 17 Apr 2018 19:44

Tgt Ion:198 Resp: 418
 Ion Ratio Lower Upper
 198 100
 51 189.6 37.7 77.7#
 105 210.0 36.3 76.3#

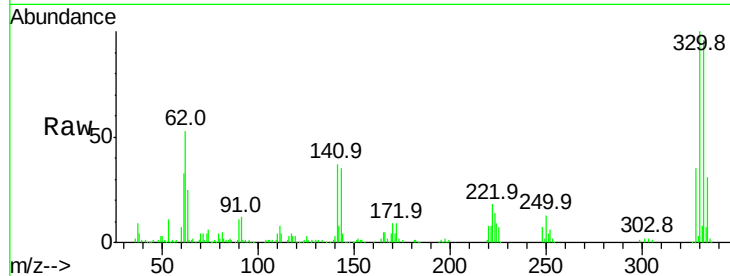




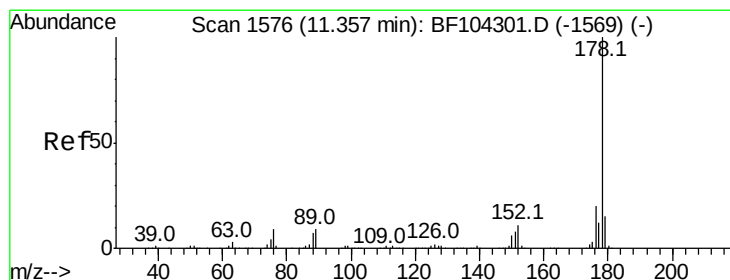
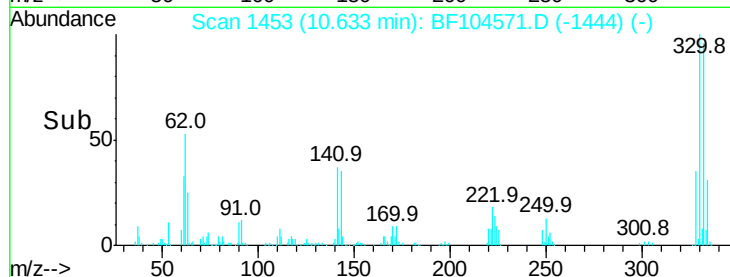
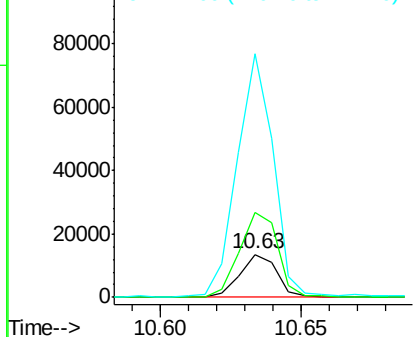
#66
4-Bromophenyl-phenylether
Concen: 3.071 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12393
Ion Ratio Lower Upper
248 100
250 195.8 76.9 115.3#
141 562.9 74.4 111.6#

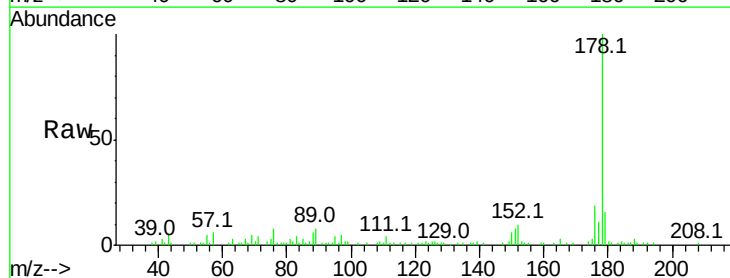


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

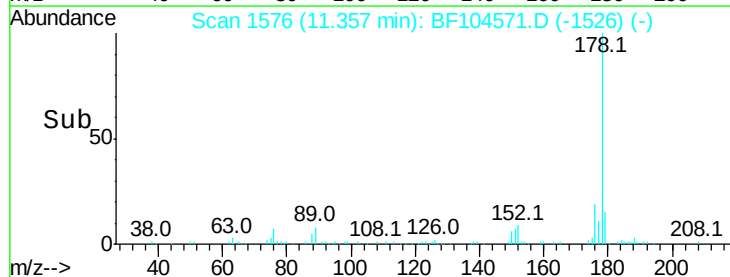
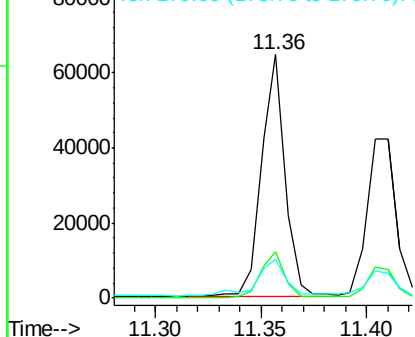


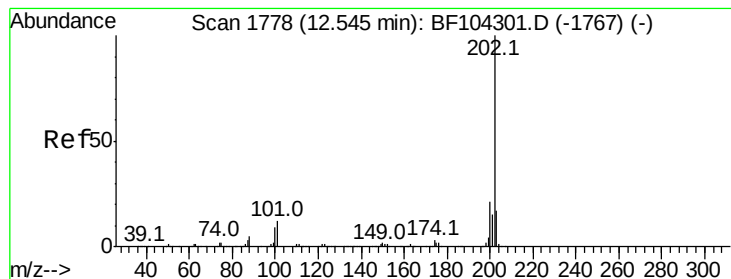
#70
Phenanthrene
Concen: 2.385 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion:178 Resp: 50397
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.0 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: 4.633 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

ClientSampleId :

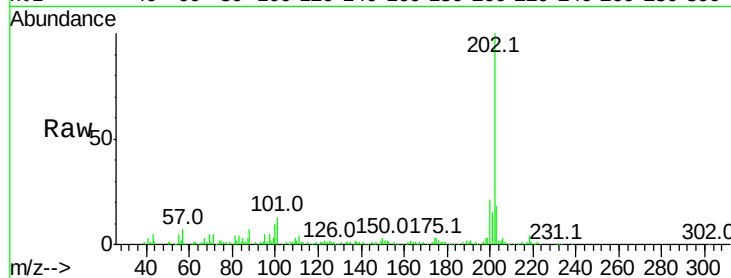
Tot Ion:202 Resp: 102289

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

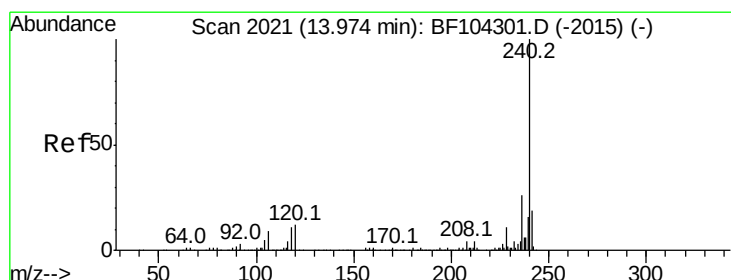
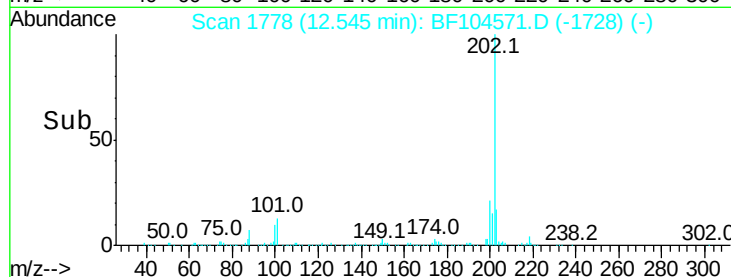
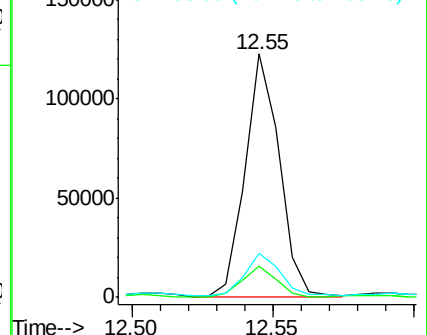
203 17.9 0.0 38.1



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. 0.00 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

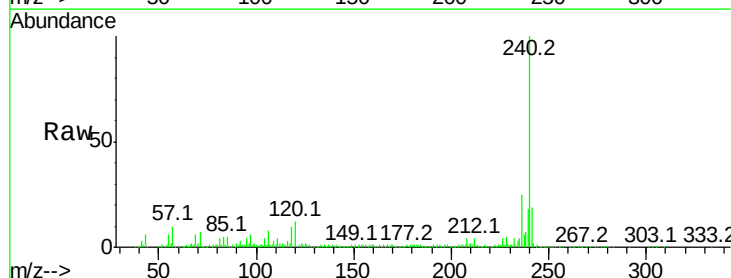
Tgt Ion:240 Resp: 295312

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

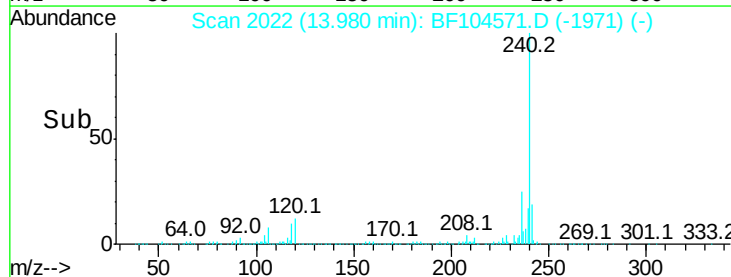
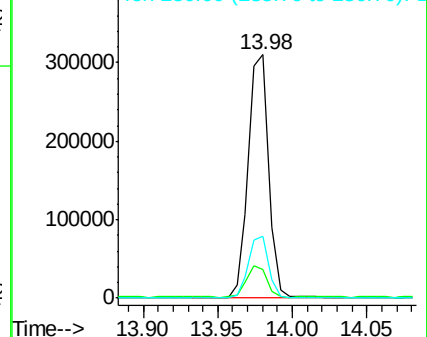
236 25.4 20.7 31.1

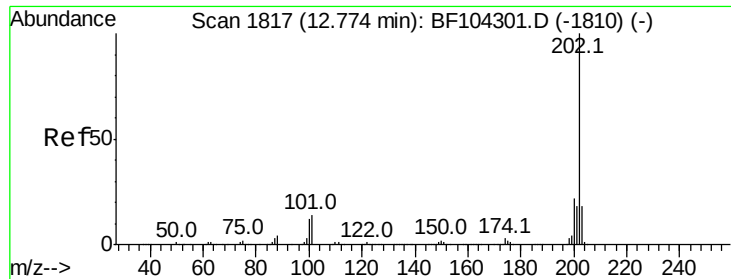


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

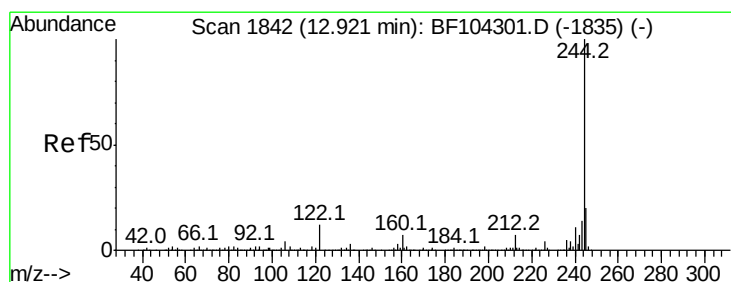
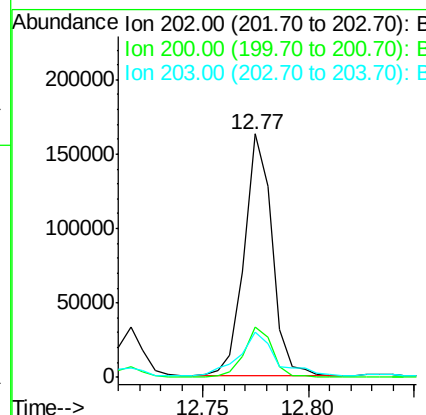
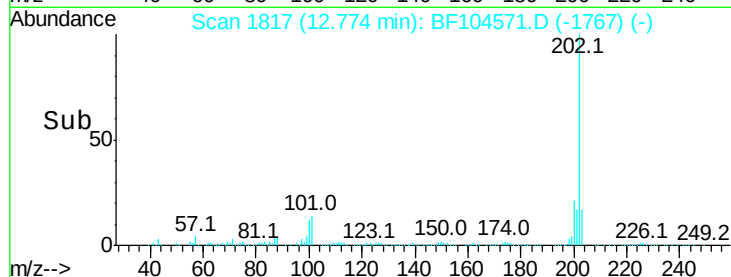
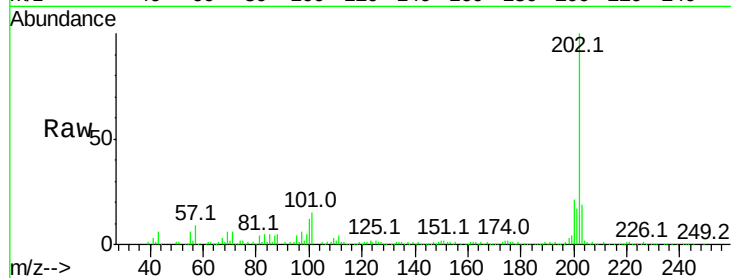




#77
Pvrene
Concen: 6.817 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

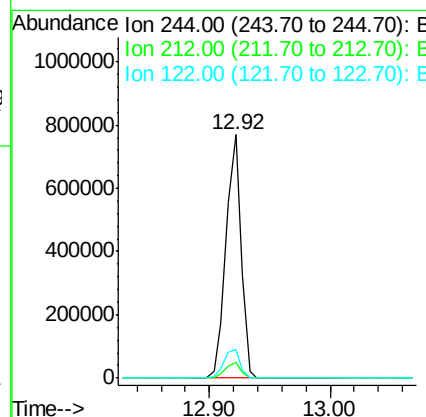
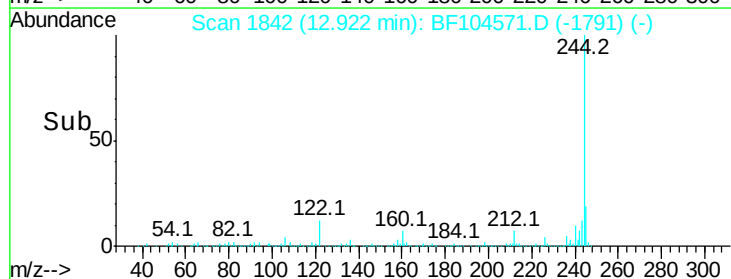
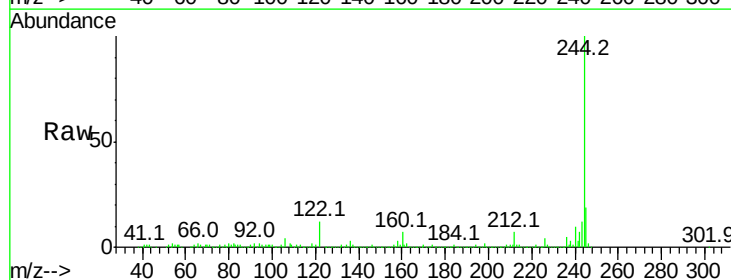
Instrument :
BNA_F
ClientSampleId :

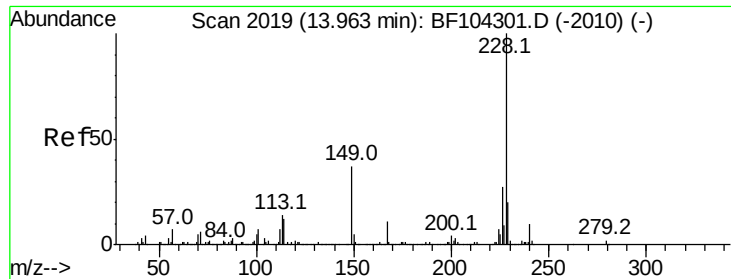
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	18.5	14.3	21.5



#78
Terphenyl-d14
Concen: 51.142 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.9	11.0	16.4

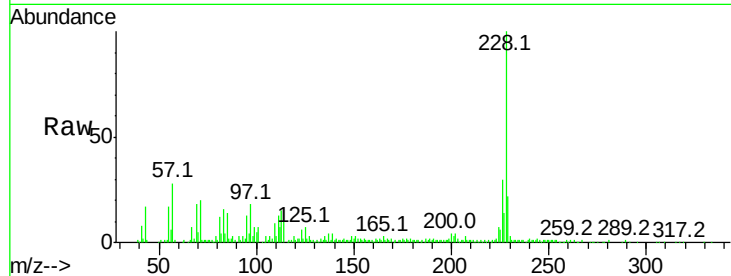




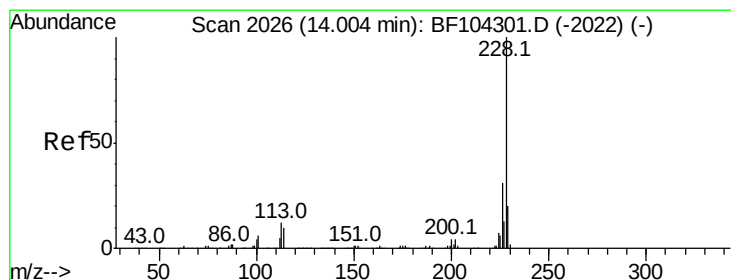
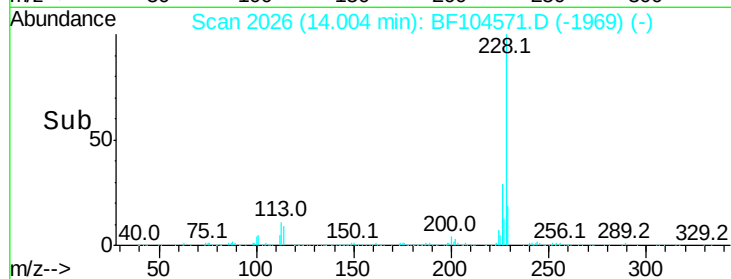
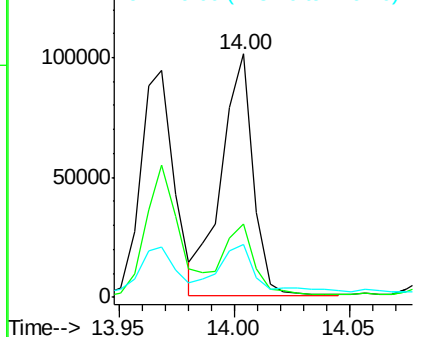
#80
Benzo(a)anthracene
Concen: 5.458 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.04 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 96298
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 21.7 15.8 23.6

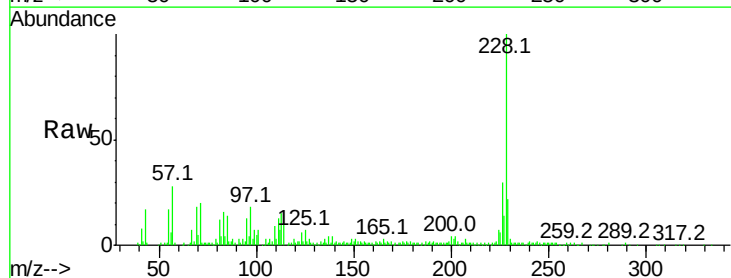


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

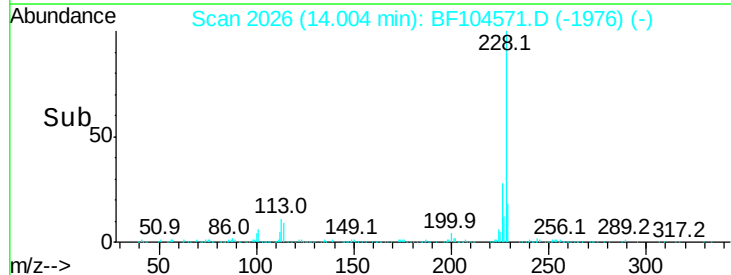
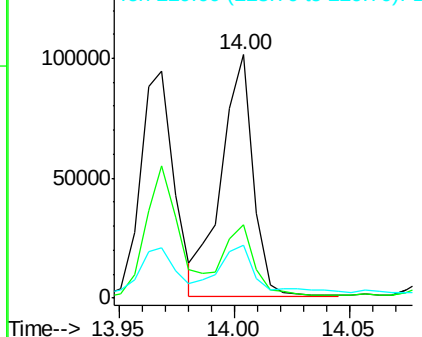


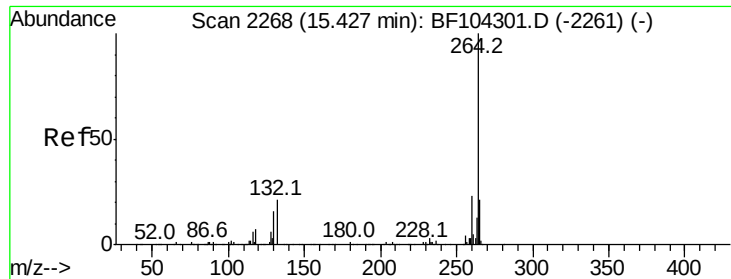
#82
Chrysene
Concen: 5.314 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion:228 Resp: 96298
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.7 16.2 24.4



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

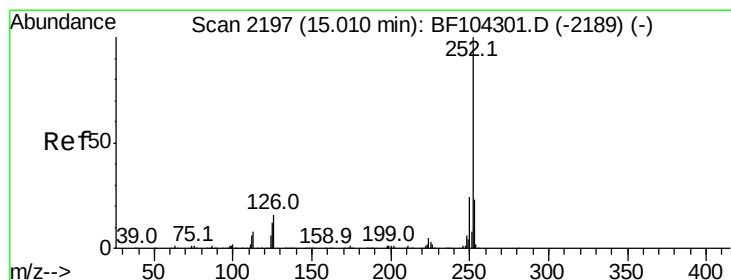
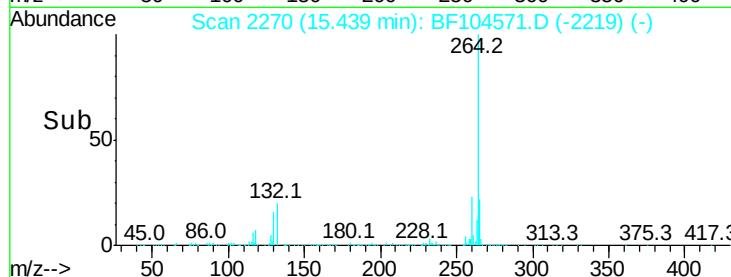
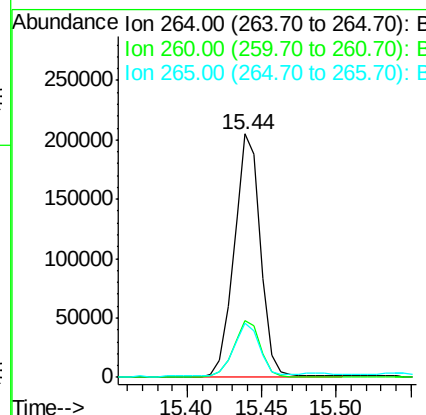
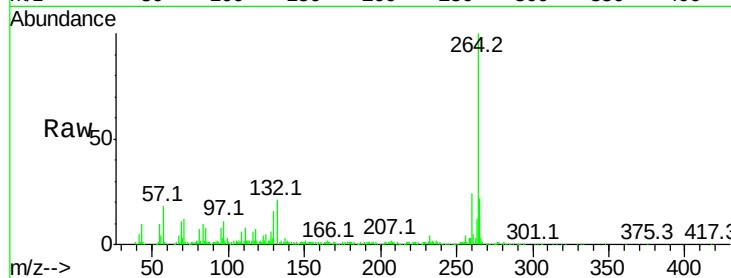




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

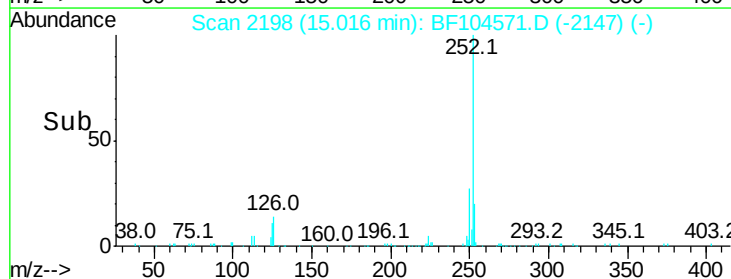
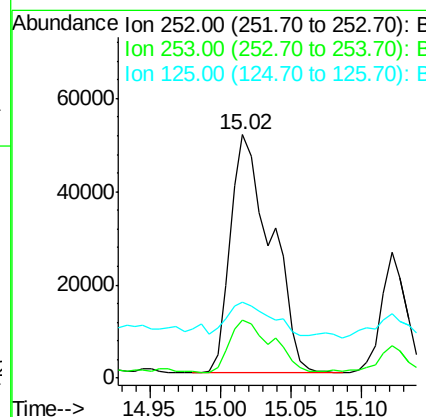
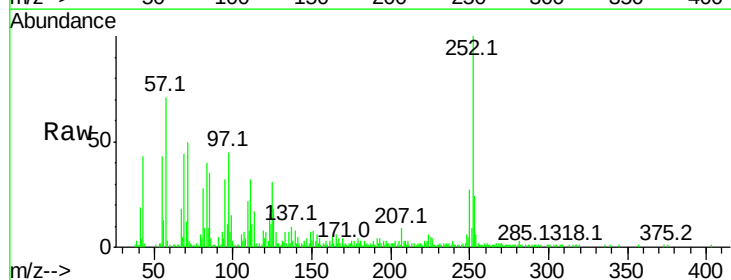
Instrument :
BNA_F
ClientSampleId :

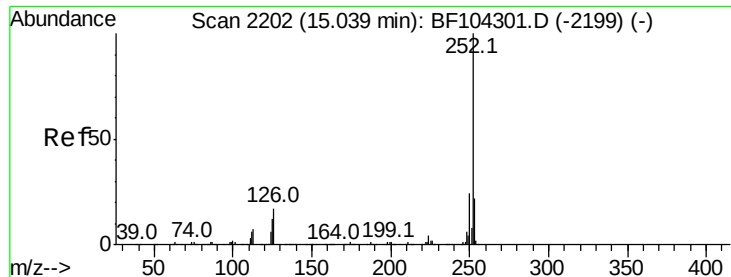
Tot Ion:264 Resp: 251883
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.461 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion:252 Resp: 102791
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 31.0 9.0 13.6#

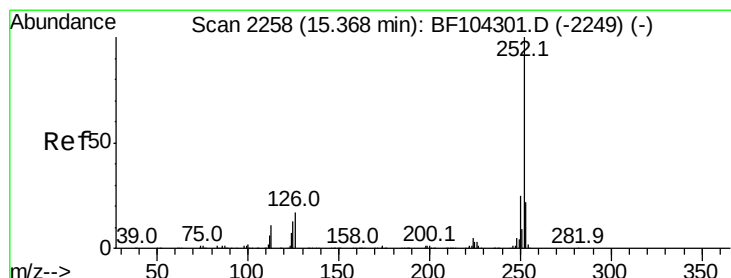
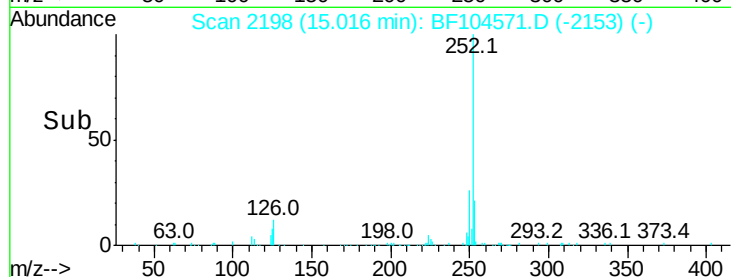
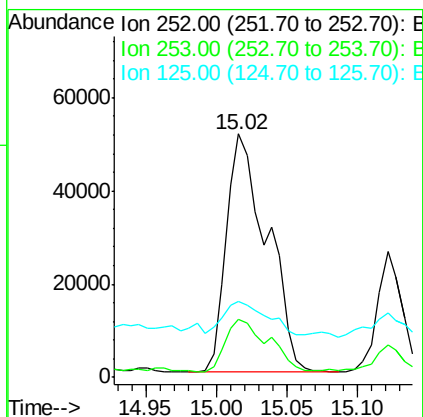
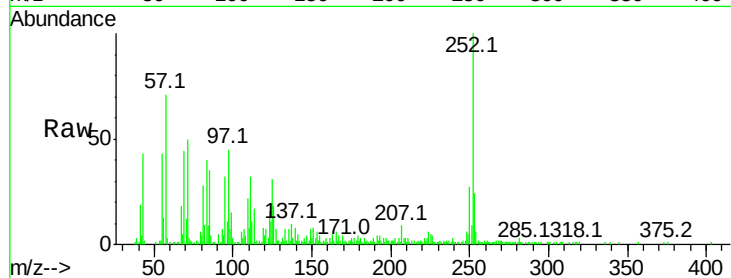




#88
Benzo(k)fluoranthene
Concen: 6.844 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

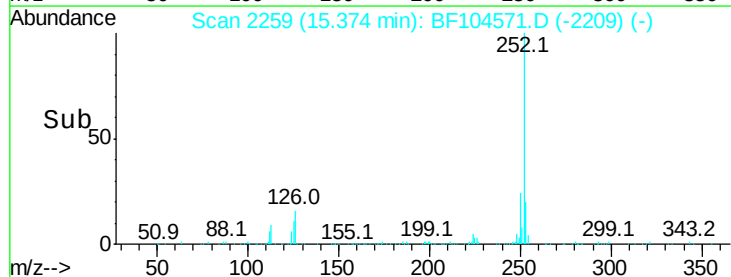
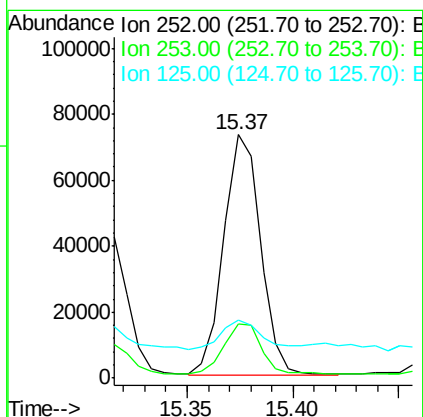
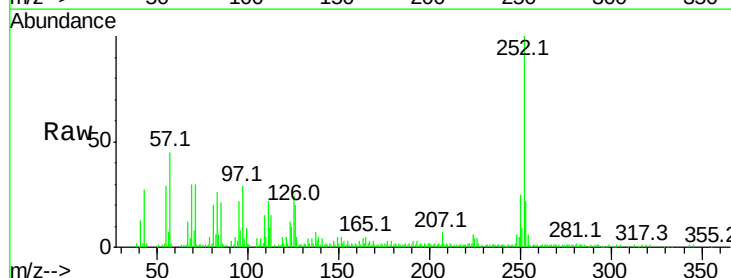
Instrument :
BNA_F
ClientSampleId :

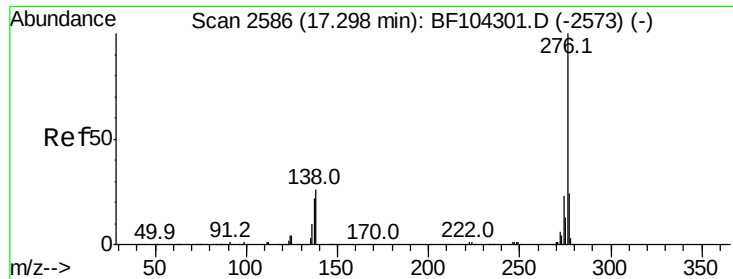
Tot Ion:252 Resp: 102791
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 31.0 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 6.217 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion:252 Resp: 88496
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 23.7 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.861 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: BF104571.D
 Acq: 17 Apr 2018 19:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.3	17.9	26.9
138	33.1	21.8	32.8

