

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103976.D
 Acq On : 27 Mar 2018 18:10
 Operator : JU/SJ
 Sample : J1749-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:53:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	149640	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	602185	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	258378	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	404683	20.00	ng	0.00
75) Chrysene-d12	14.16	240	287262	20.00	ng	-0.01
86) Perylene-d12	15.71	264	246790	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	826774	84.04	ng	0.02
7) Phenol-d6	6.60	99	1009211	83.85	ng	0.00
23) Nitrobenzene-d5	7.53	82	578643	67.01	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	211203	95.07	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	950287	58.67	ng	0.00
78) Terphenyl-d14	13.09	244	692901	55.99	ng	0.00

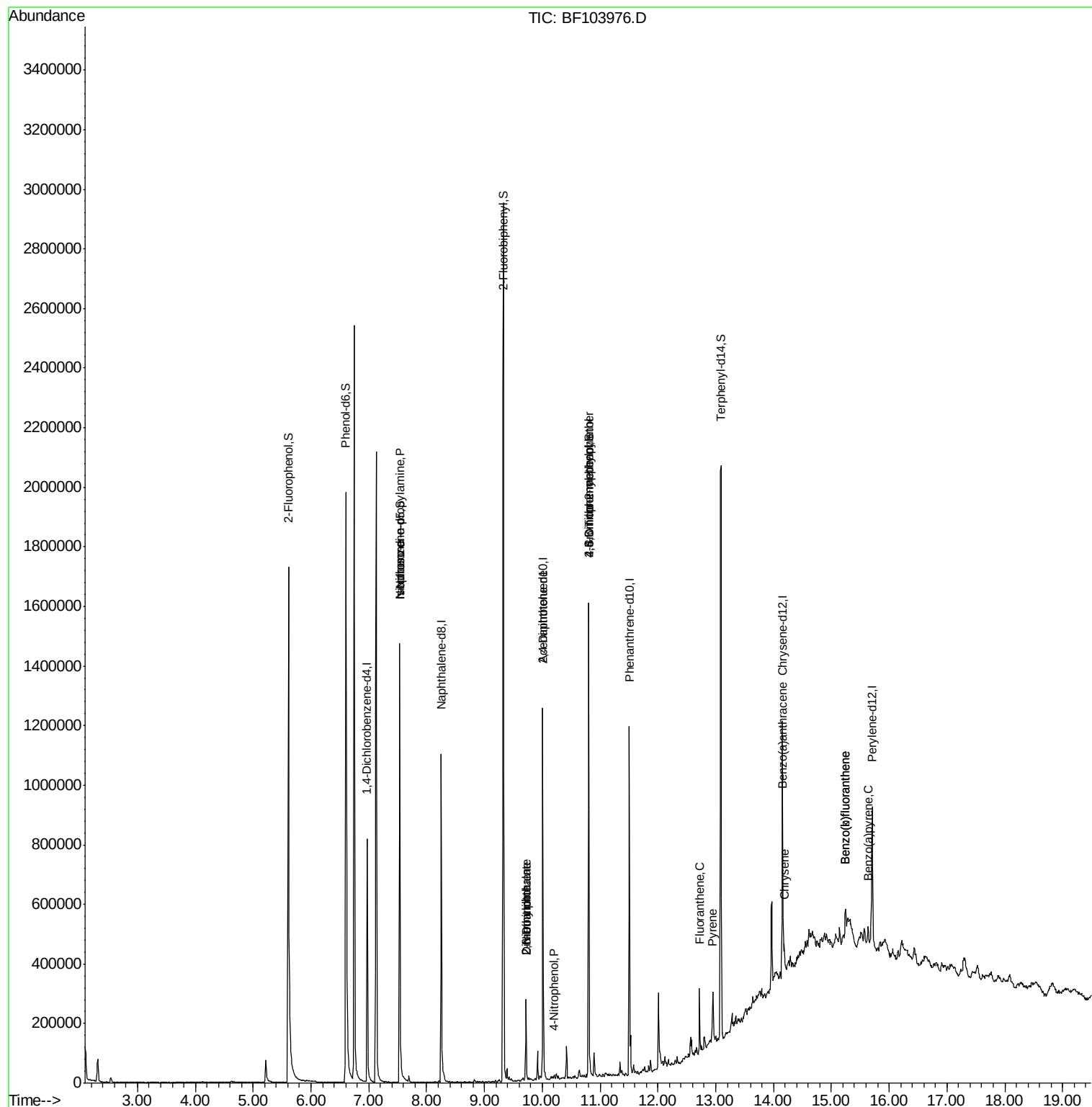
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	74852	9.704	ng	# 72
25) Isophorone	7.53	82	578639	28.946	ng	# 64
47) 2-Nitroaniline	9.72	65	1027	7.011	ng	# 1
49) Dimethylphthalate	9.72	163	105747	5.364	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1177	4.267	ng	# 11
55) 4-Nitrophenol	10.21	139	769	5.170	ng	# 39
56) 2,4-Dinitrotoluene	10.01	165	33932	12.328	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	466	8.462	ng	# 68
66) 4-Bromophenyl-phenylether	10.80	248	12639	3.042	ng	# 1
74) Fluoranthene	12.72	202	80305	3.521	ng	99
77) Pyrene	12.96	202	73895	3.503	ng	97
80) Benzo(a)anthracene	14.14	228	42462	2.335	ng	96
82) Chrysene	14.19	228	38999	2.250	ng	97
87) Benzo(b)fluoranthene	15.24	252	58608	3.759	ng	# 77
88) Benzo(k)fluoranthene	15.24	252	58608	3.910	ng	# 80
89) Benzo(a)pyrene	15.64	252	28751	2.033	ng	# 73

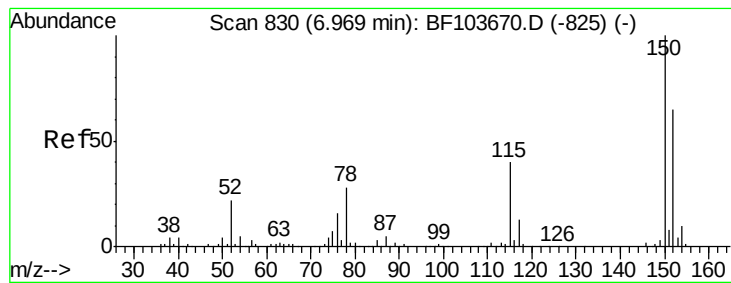
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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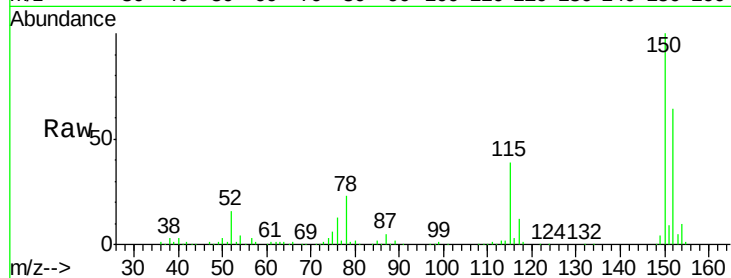


#1

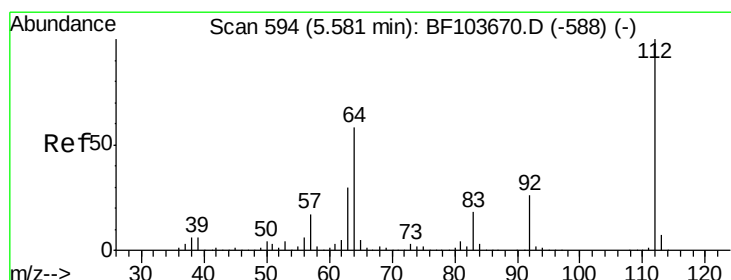
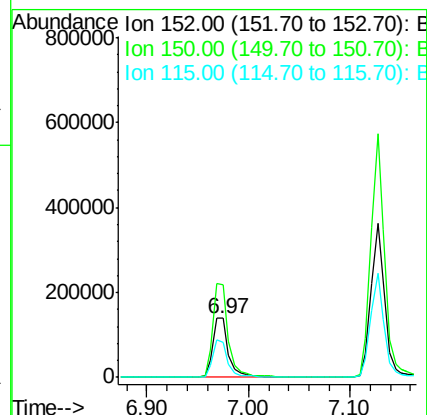
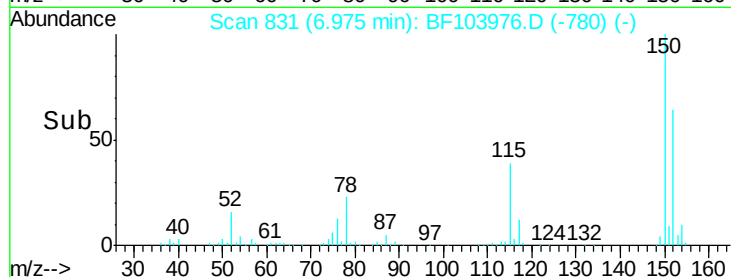
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149640
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 60.1 50.1 75.1



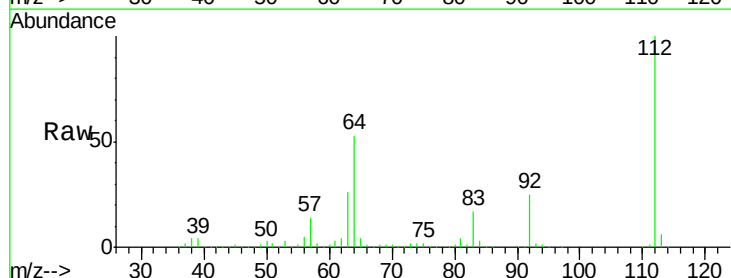
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



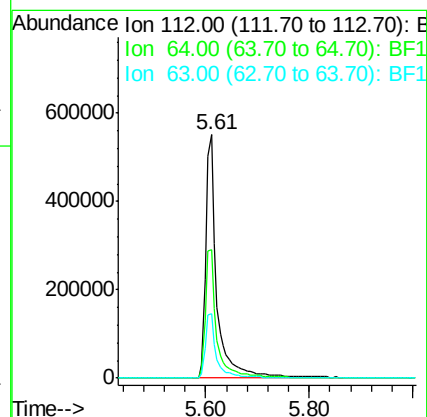
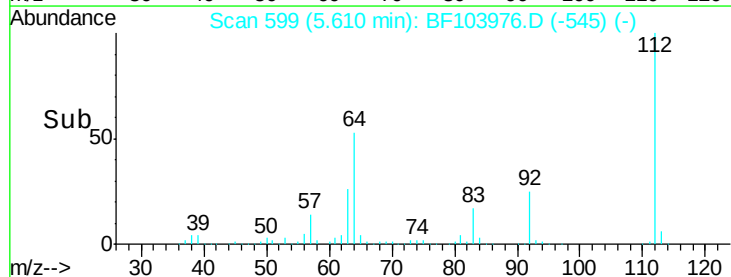
#5

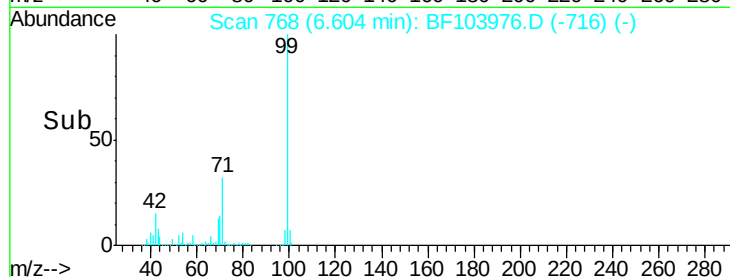
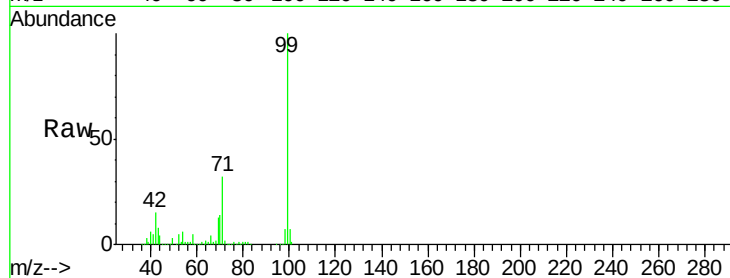
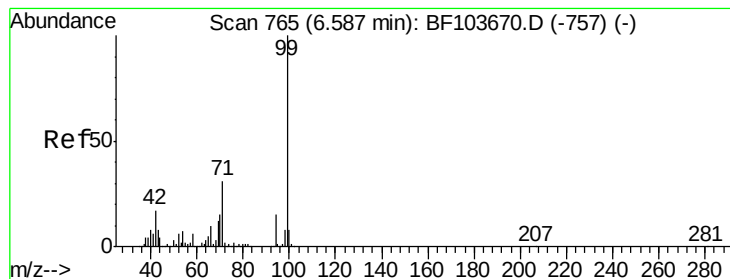
2-Fluorophenol
Concen: 84.036 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Tgt Ion:112 Resp: 826774
Ion Ratio Lower Upper
112 100
64 52.7 47.9 71.9
63 26.5 23.7 35.5



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





#7

Phenol-d6

Concen: 83.846 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103976.D

Acq: 27 Mar 2018 18:10

Instrument :

BNA_F

ClientSampled :

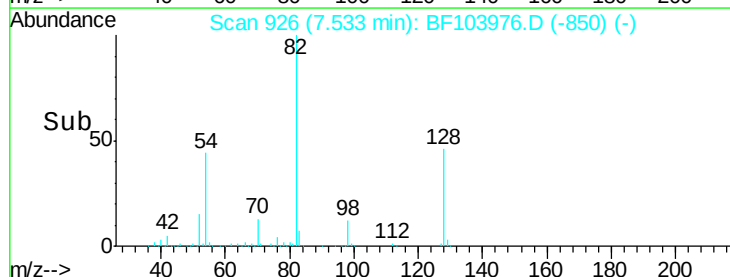
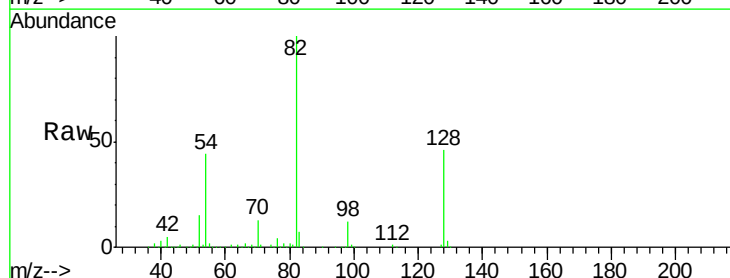
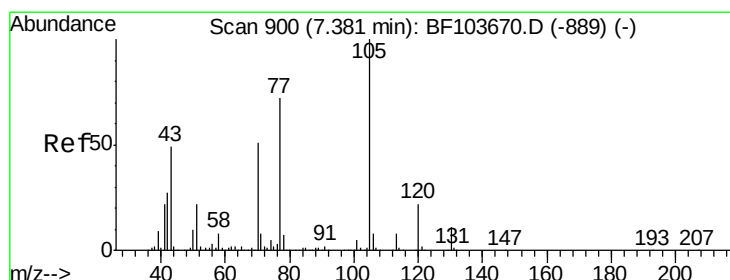
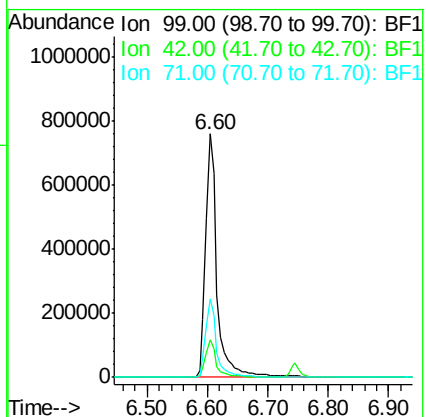
Tot Ion: 99 Resp: 1009211

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.704 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103976.D

Acq: 27 Mar 2018 18:10

Tgt Ion: 70 Resp: 74852

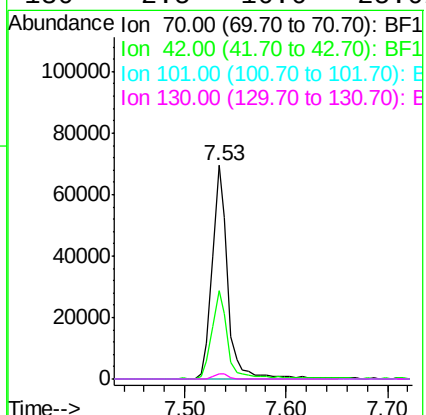
Ion Ratio Lower Upper

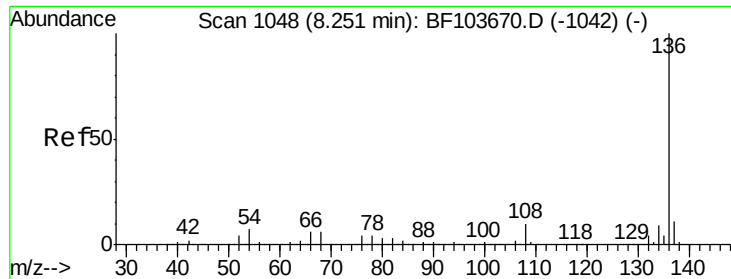
70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

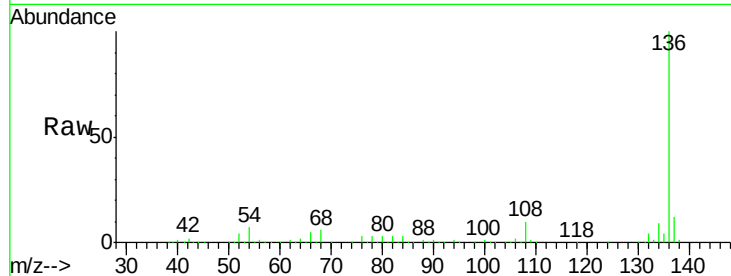




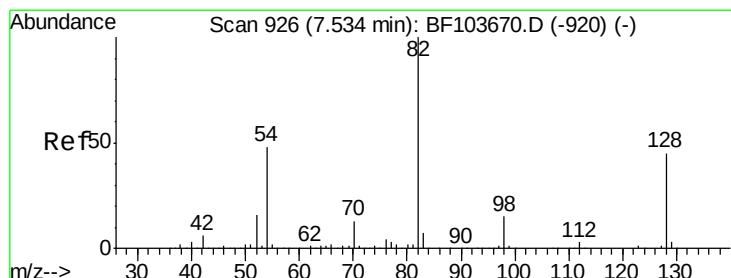
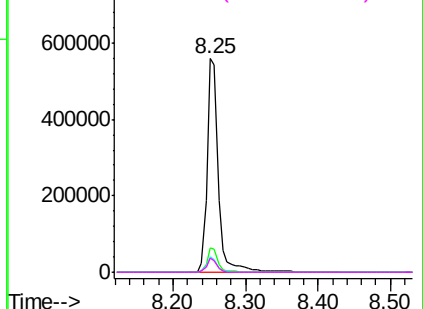
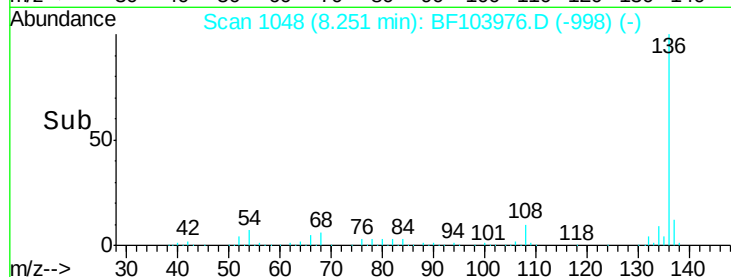
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	602185
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.9 13.3
54	7.2	6.6 9.8
68	6.5	5.0 7.4

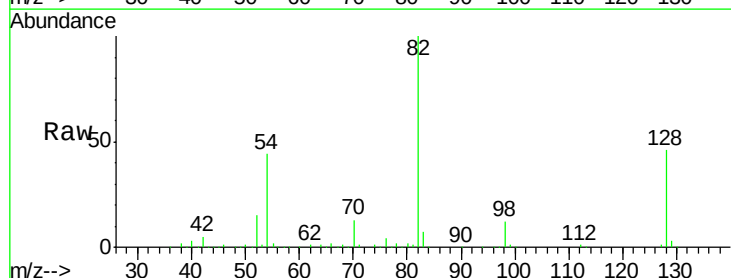


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

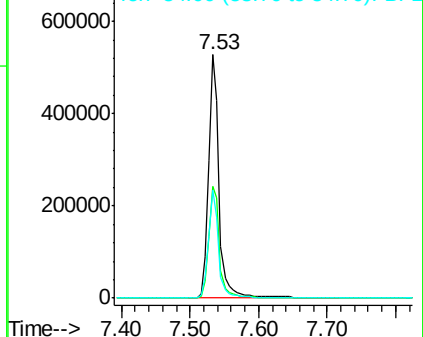
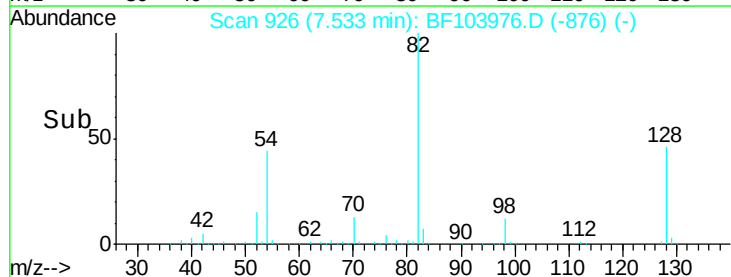


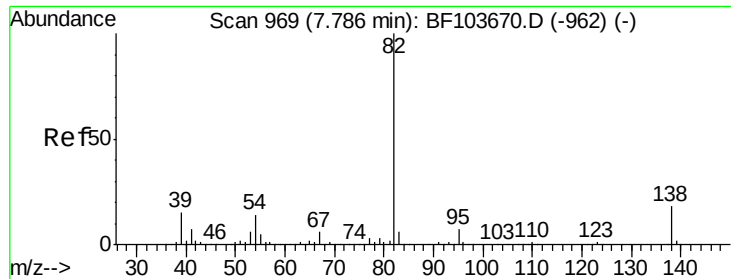
#23
Nitrobenzene-d5
Concen: 67.010 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Tgt Ion: 82	Resp:	578643
Ion	Ratio	Lower Upper
82	100	
128	45.9	36.1 54.1
54	44.5	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: 28.946 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103976.D

Acq: 27 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

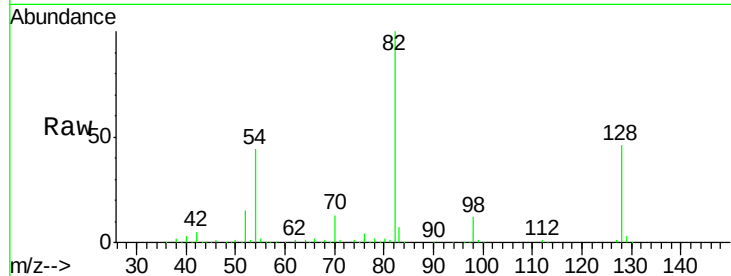
Tot Ion: 82 Resp: 578639

Ion Ratio Lower Upper

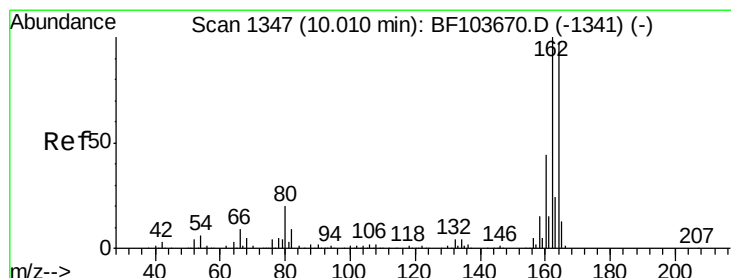
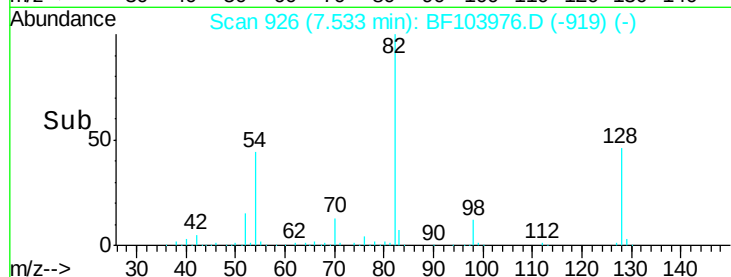
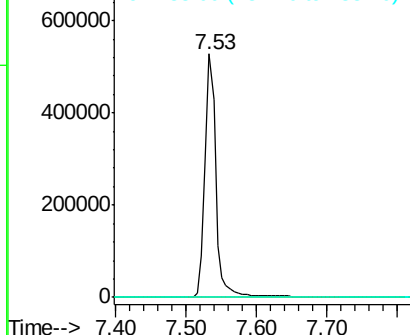
82 100

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: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF103976.D

Acq: 27 Mar 2018 18:10

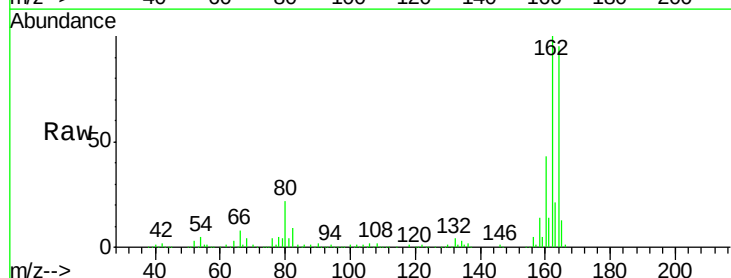
Tgt Ion: 164 Resp: 258378

Ion Ratio Lower Upper

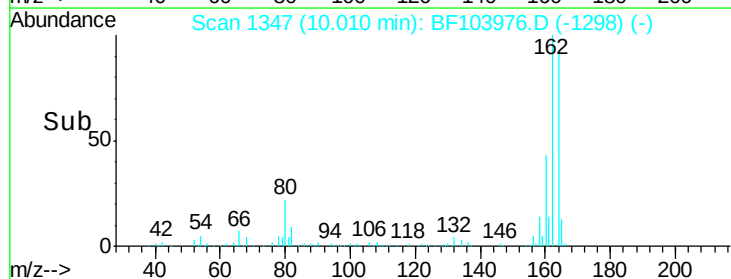
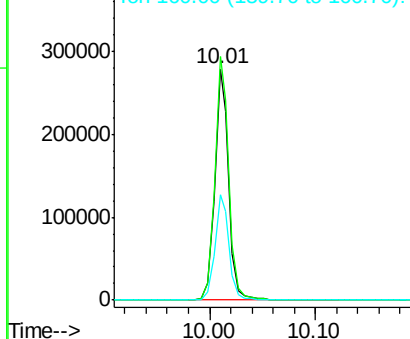
164 100

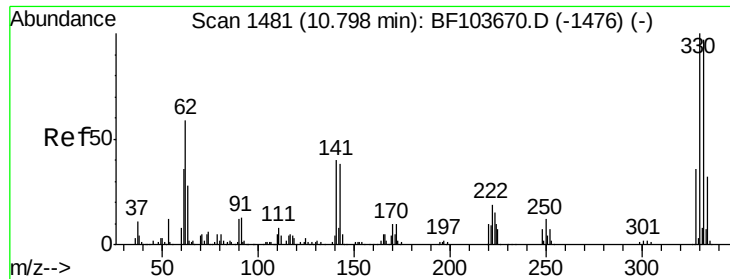
162 105.3 86.1 129.1

160 45.6 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

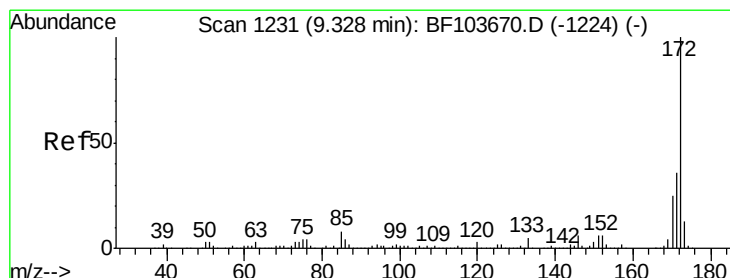
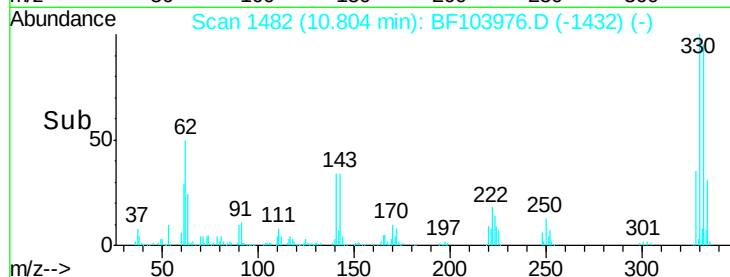
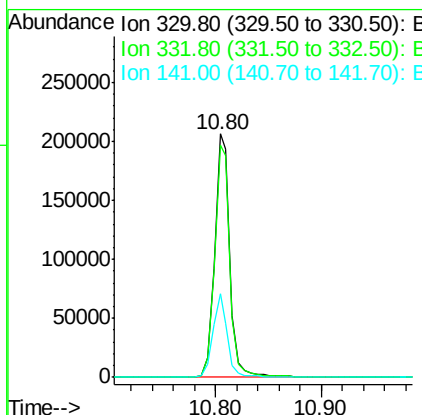
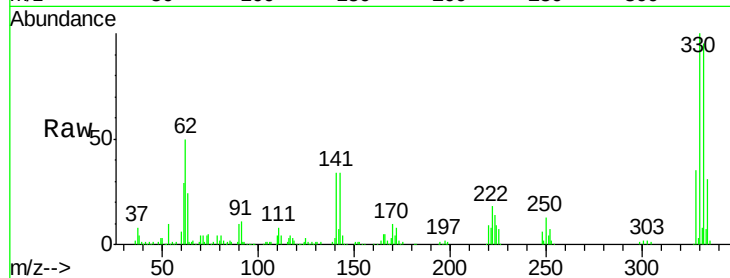




#41
 2,4,6-Tribromophenol
 Concen: 95.070 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103976.D
 Acq: 27 Mar 2018 18:10

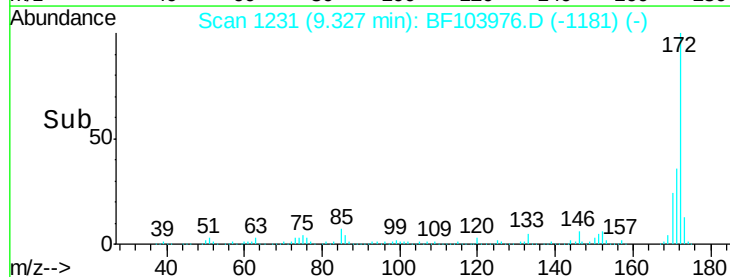
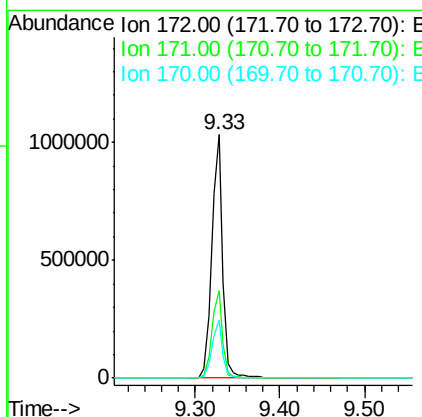
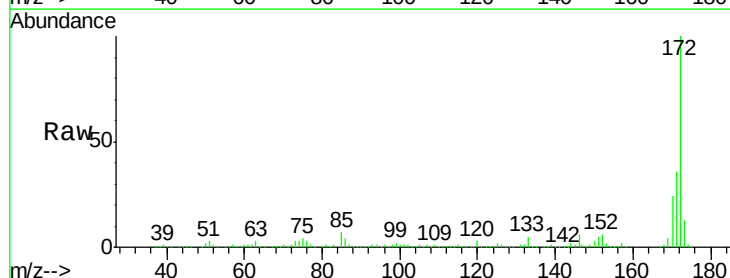
Instrument :
 BNA_F
 ClientSampled :

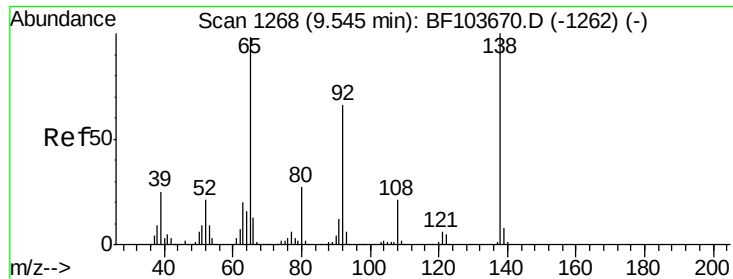
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	32.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 58.668 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103976.D
 Acq: 27 Mar 2018 18:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4

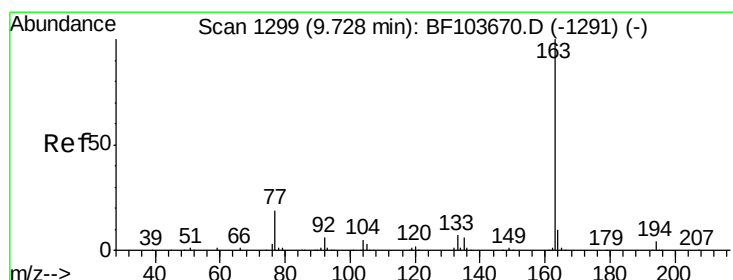
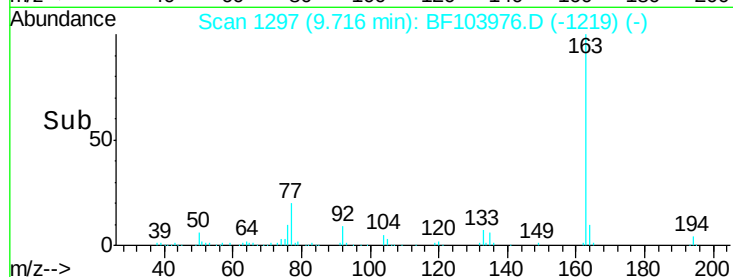
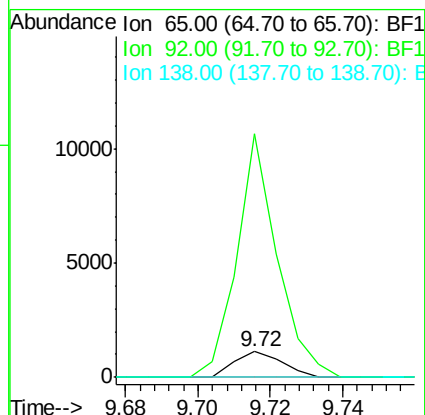
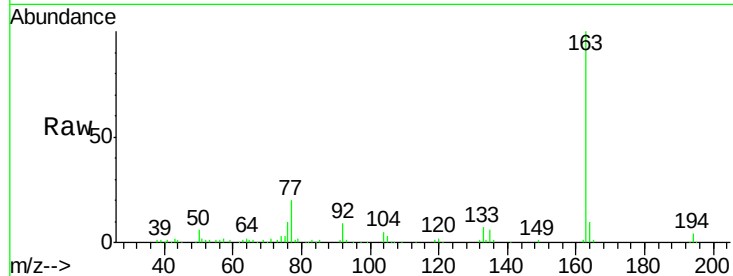




#47
2-Nitroaniline
Concen: 7.011 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.16 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

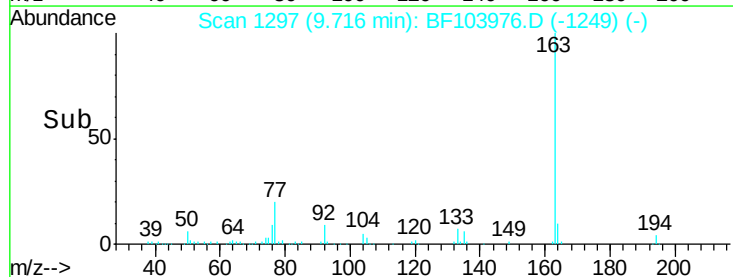
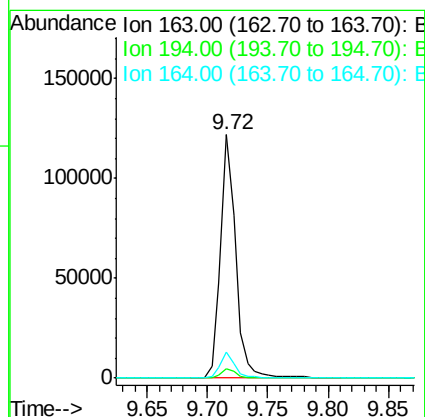
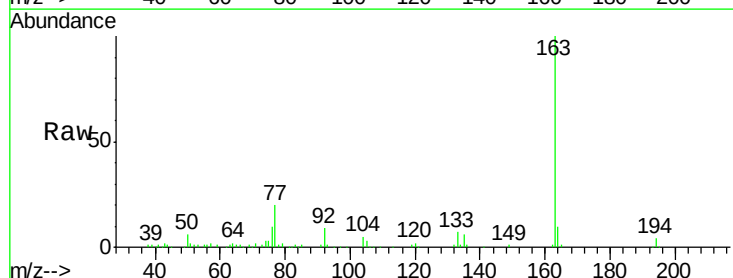
Instrument :
BNA_F
ClientSampled :

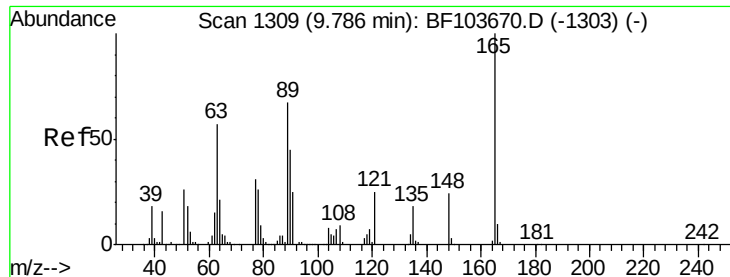
Tot Ion: 65 Resp: 1027
Ion Ratio Lower Upper
65 100
92 958.2 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 5.364 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Tgt Ion: 163 Resp: 105747
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.5 8.2 12.2

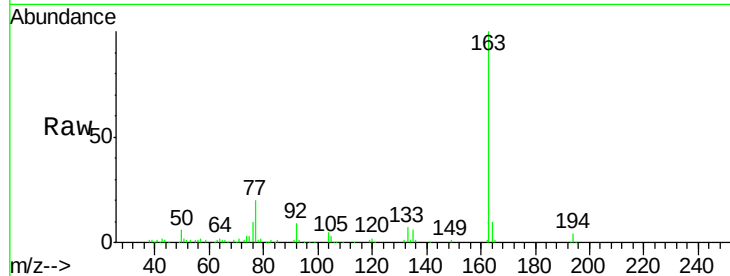




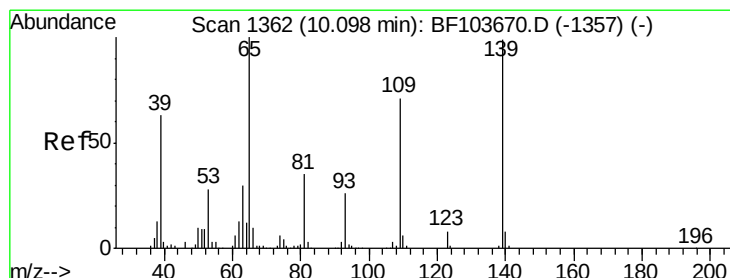
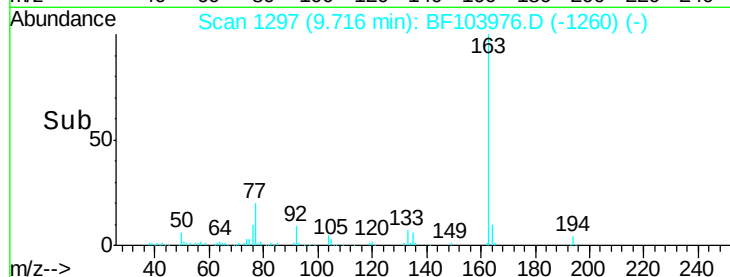
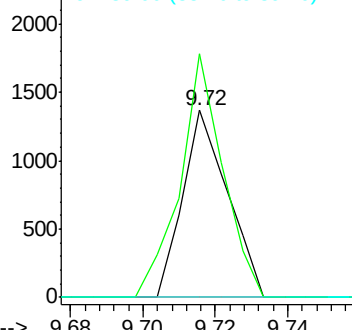
#50
2,6-Dinitrotoluene
Concen: 4.267 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.08 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 1177
Ion Ratio Lower Upper
165 100
63 130.1 44.7 67.1#
89 0.0 44.0 66.0#

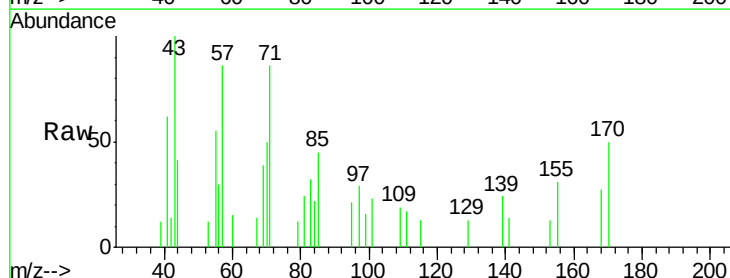


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

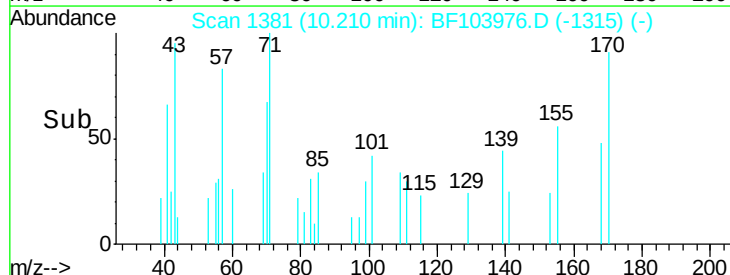
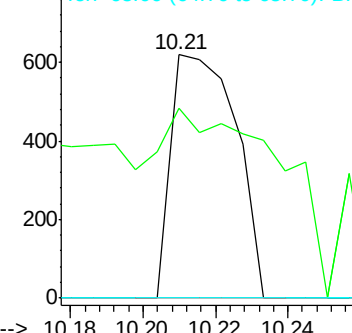


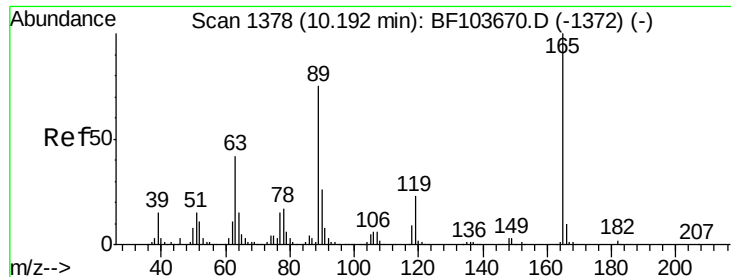
#55
4-Nitrophenol
Concen: 5.170 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.09 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Tgt Ion:139 Resp: 769
Ion Ratio Lower Upper
139 100
109 77.9 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

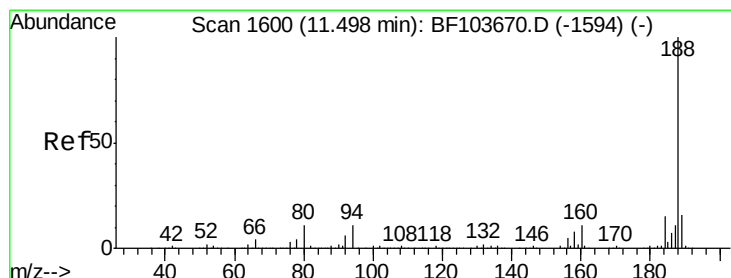
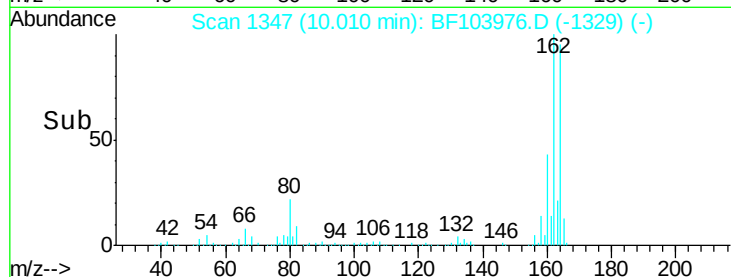
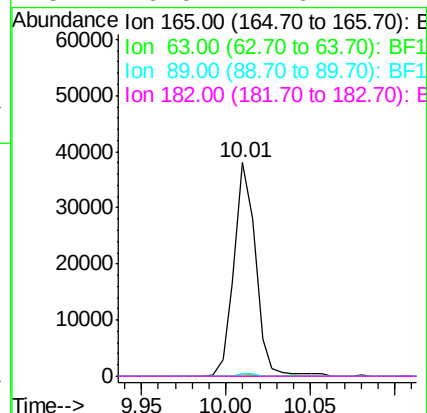
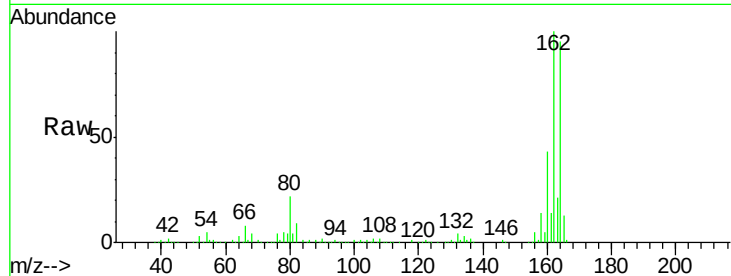




#56
 2,4-Dinitrotoluene
 Concen: 12.328 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.19 min
 Lab File: BF103976.D
 Acq: 27 Mar 2018 18:10

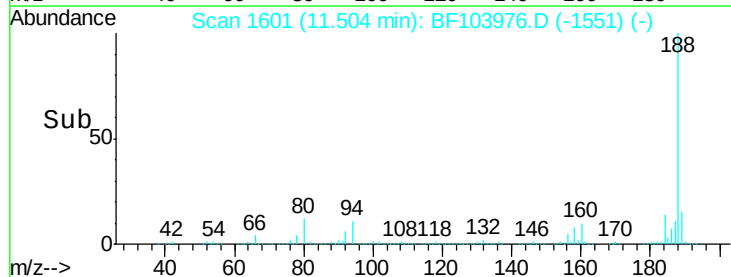
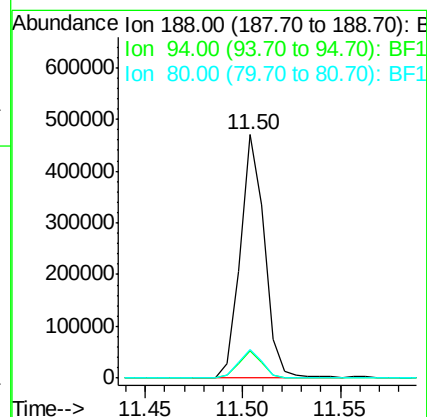
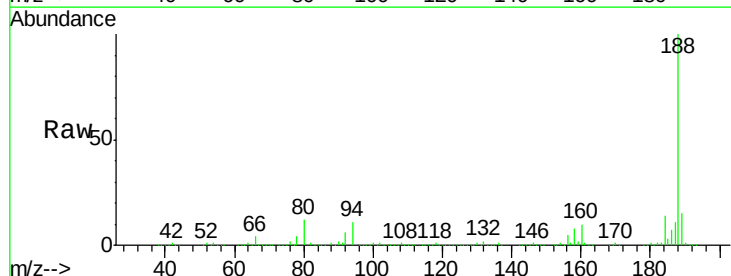
Instrument :
 BNA_F
 ClientSampleId :

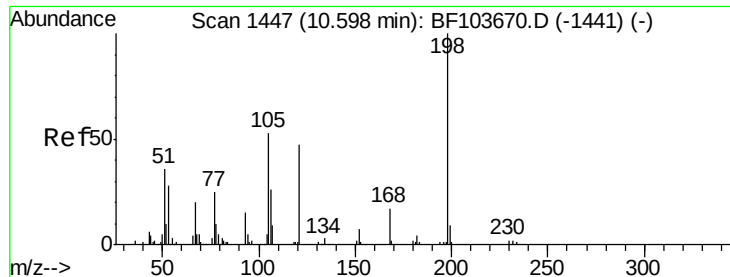
Tot Ion:165 Resp: 33932
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103976.D
 Acq: 27 Mar 2018 18:10

Tgt Ion:188 Resp: 404683
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 11.6 9.2 13.8

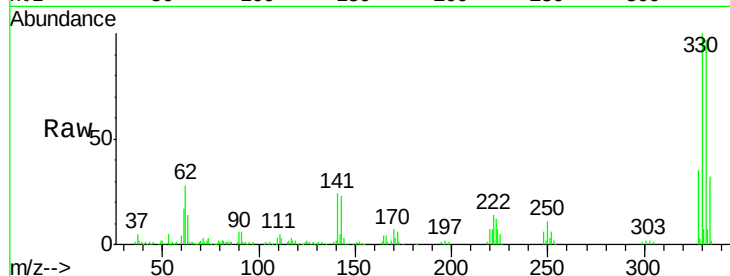




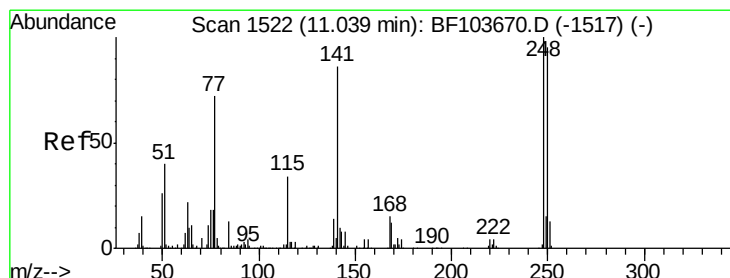
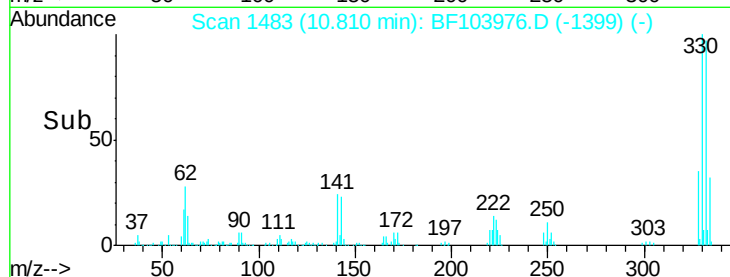
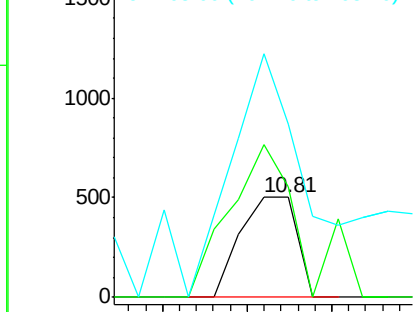
#64
4,6-Dinitro-2-methylphenol
Concen: 8.462 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.19 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 466
Ion Ratio Lower Upper
198 100
51 25.8 37.7 77.7#
105 40.6 36.3 76.3

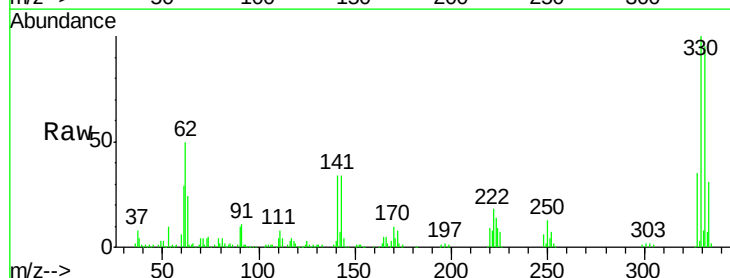


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

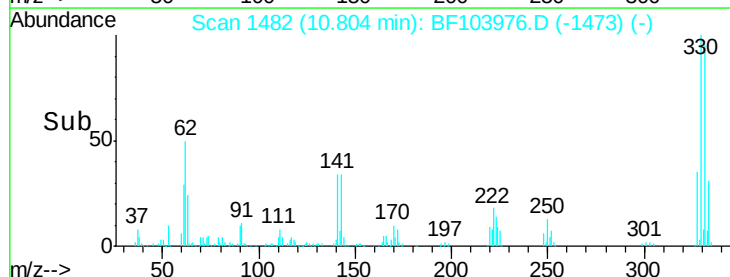
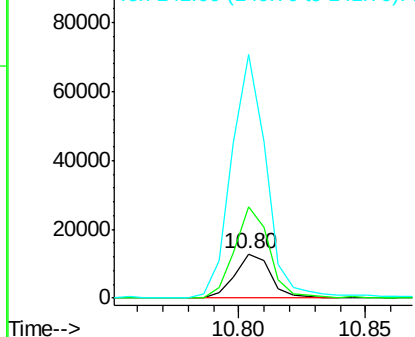


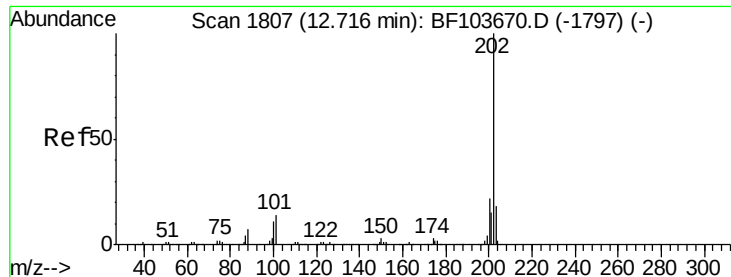
#66
4-Bromophenyl-phenylether
Concen: 3.042 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Tgt Ion:248 Resp: 12639
Ion Ratio Lower Upper
248 100
250 205.0 76.9 115.3#
141 548.7 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





#74

Fluoranthene

Concen: 3.521 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF103976.D

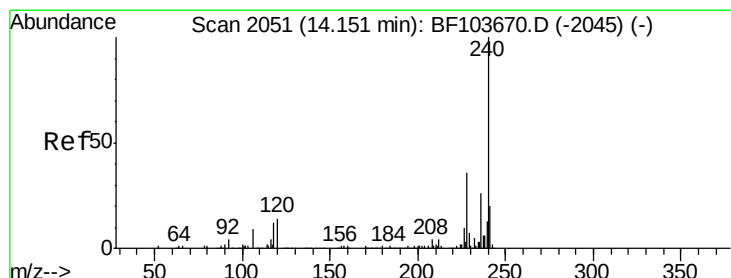
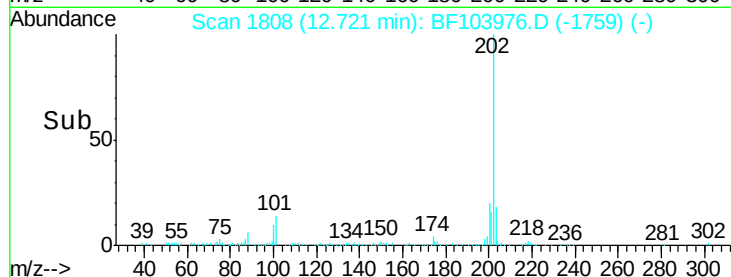
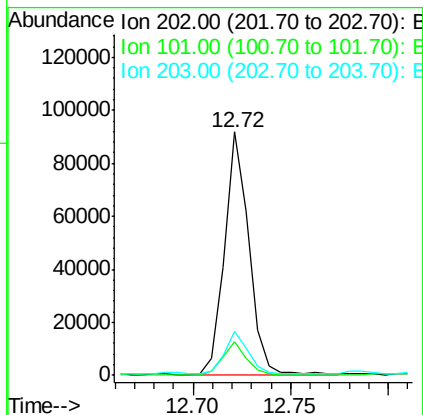
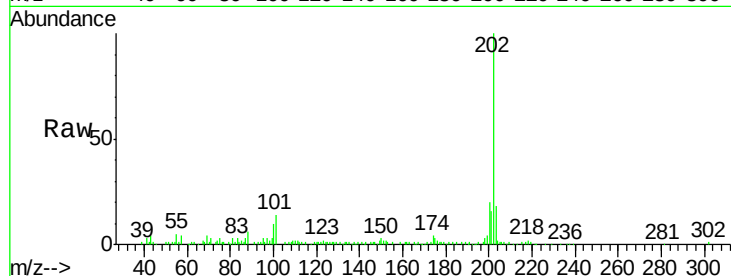
Acq: 27 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	80305
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	18.3	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

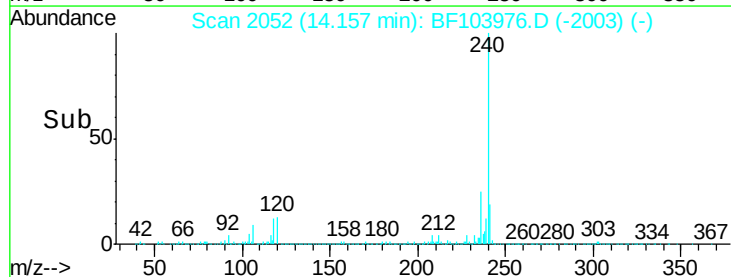
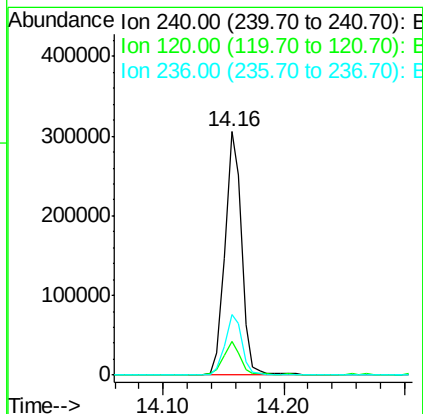
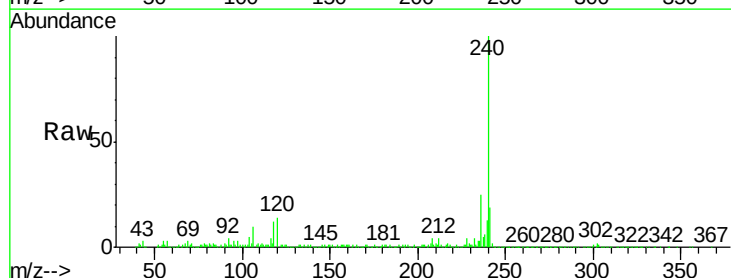
RT: 14.16 min Scan# 2052

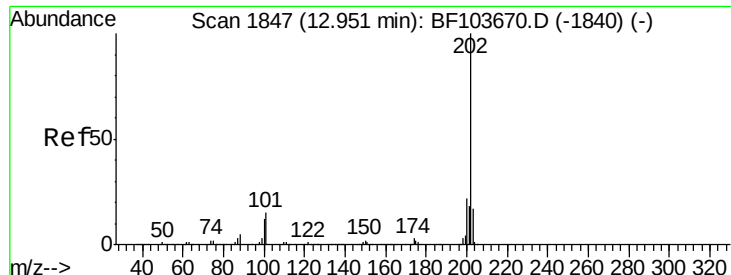
Delta R.T. -0.01 min

Lab File: BF103976.D

Acq: 27 Mar 2018 18:10

Tgt Ion:	240	Resp:	287262
Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	25.0	20.7	31.1





#77

Pvrene

Concen: 3.503 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103976.D

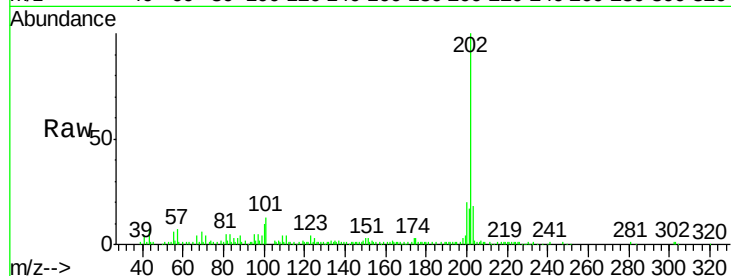
Acq: 27 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

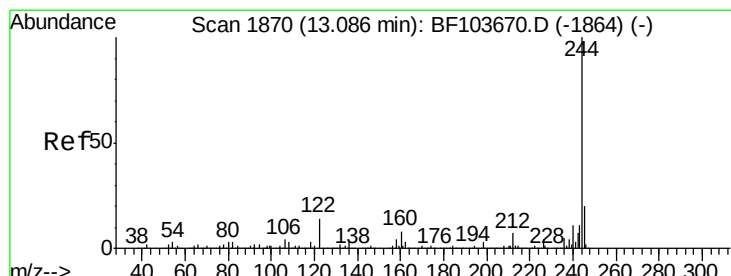
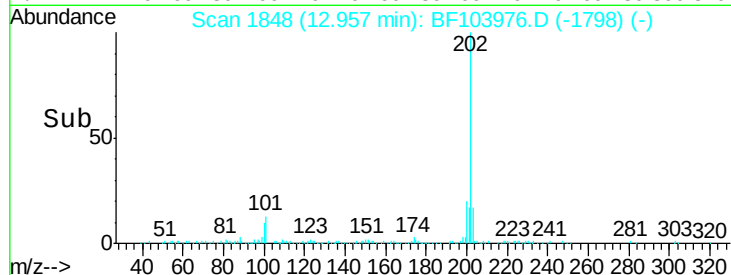
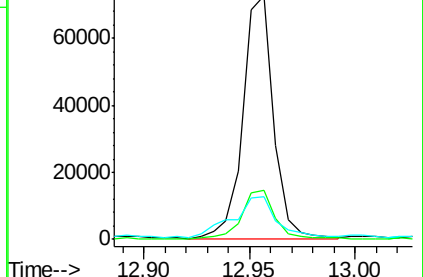
Tot Ion:	202	Resp:	73895
Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	17.5	14.3	21.5



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: 55.988 ng

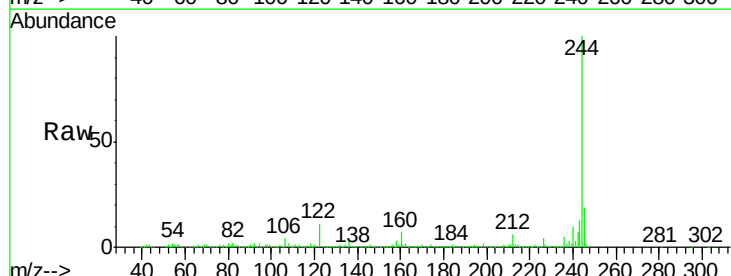
RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103976.D

Acq: 27 Mar 2018 18:10

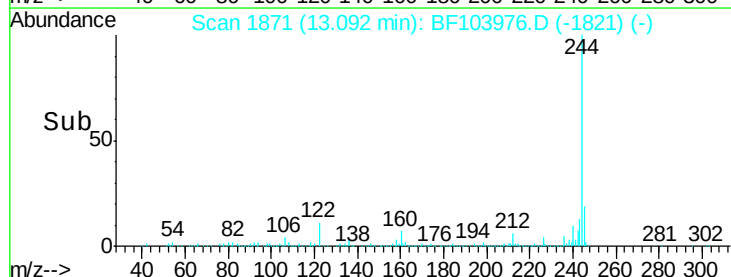
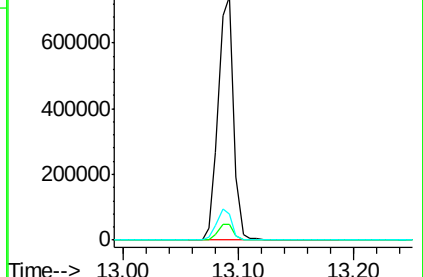
Tgt Ion:	244	Resp:	692901
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.8	11.0	16.4#

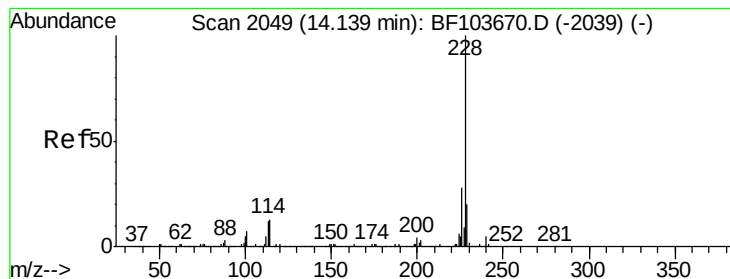


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.335 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF103976.D

Acq: 27 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

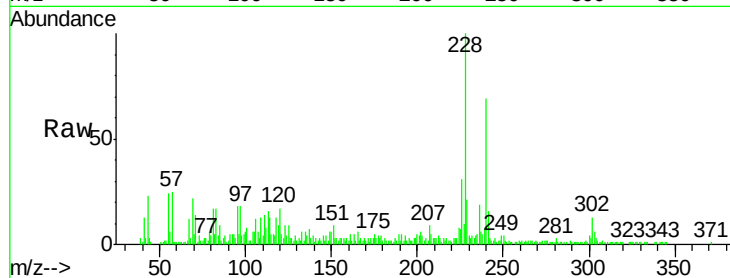
Tot Ion:228 Resp: 42462

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

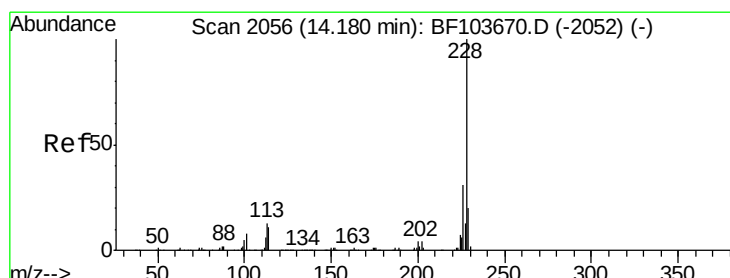
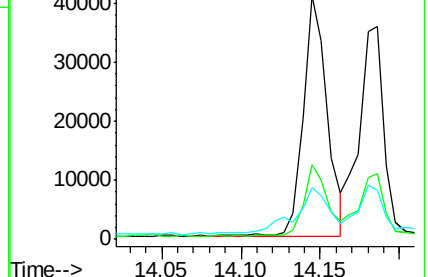
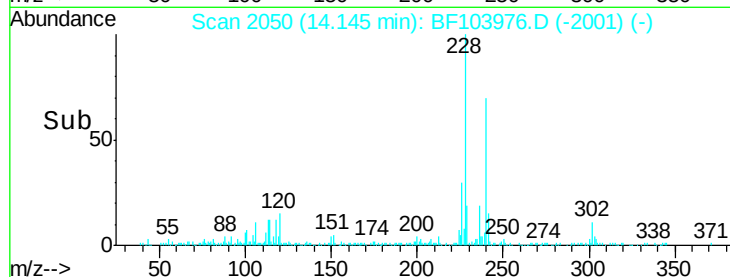
229 21.3 15.8 23.6



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: 2.250 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103976.D

Acq: 27 Mar 2018 18:10

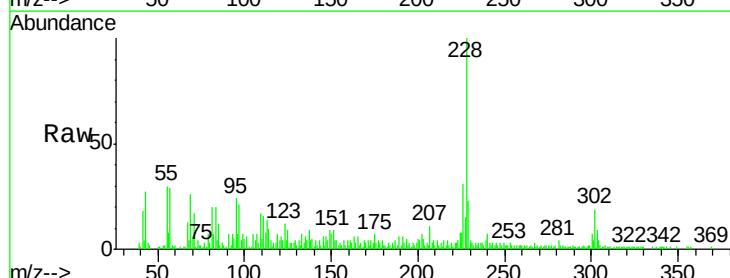
Tgt Ion:228 Resp: 38999

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

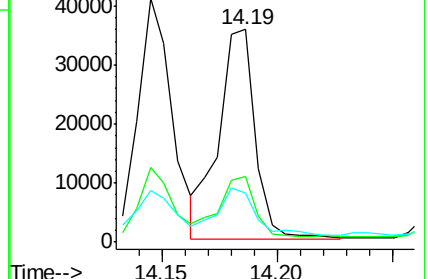
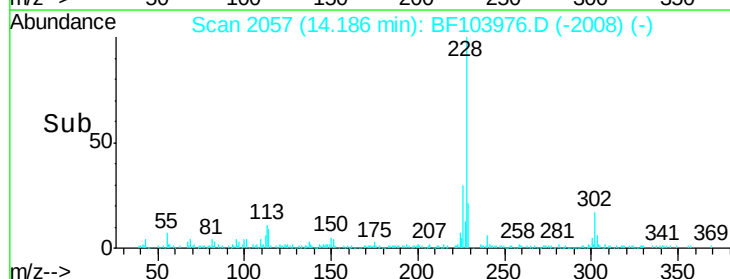
229 23.3 16.2 24.4

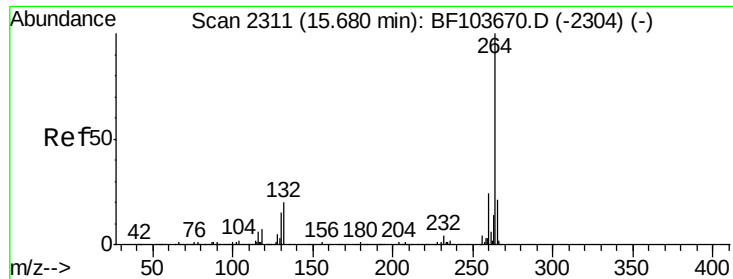


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

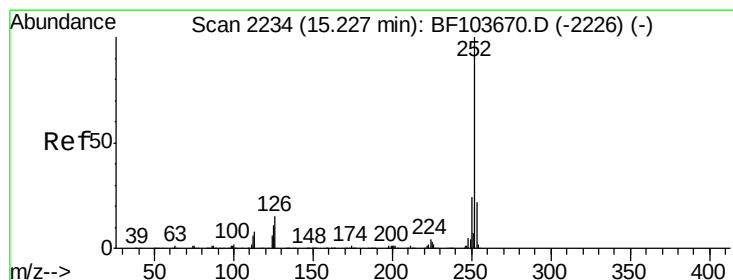
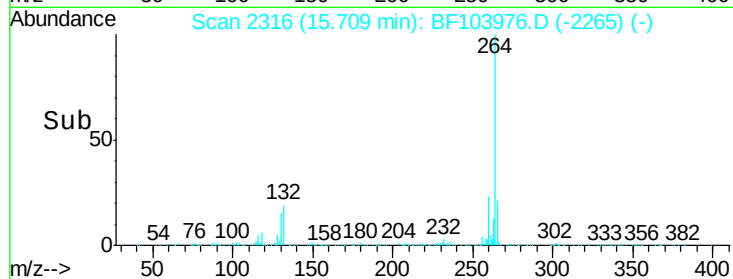
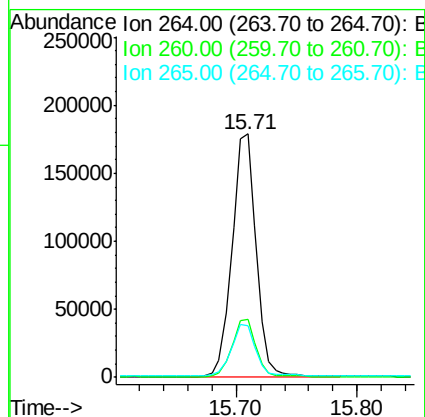
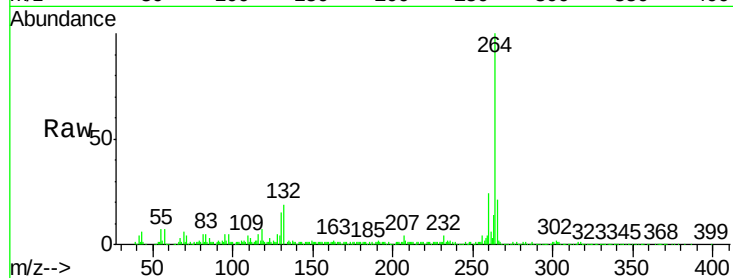




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

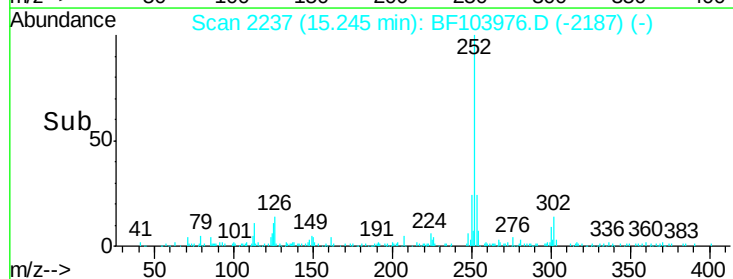
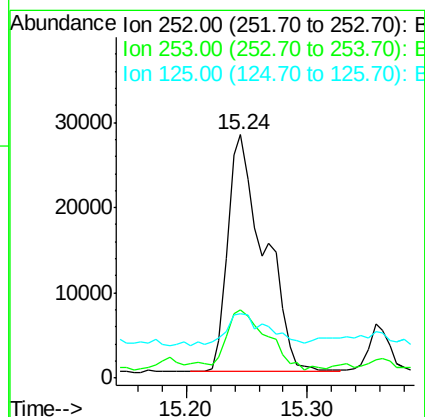
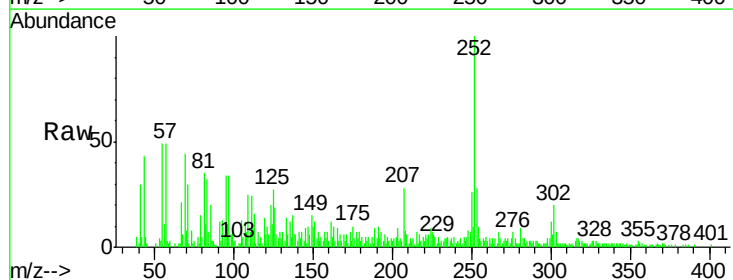
Instrument :
BNA_F
ClientSampleId :

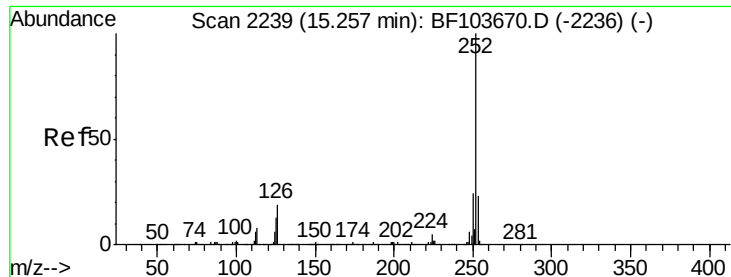
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.759 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.0	25.6#
125	26.5	9.0	13.6#

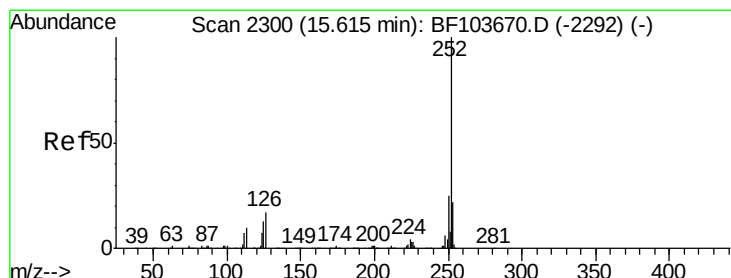
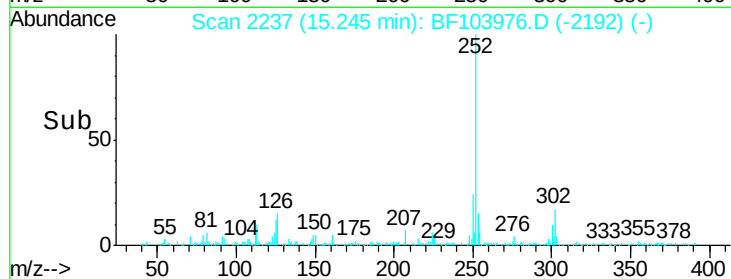
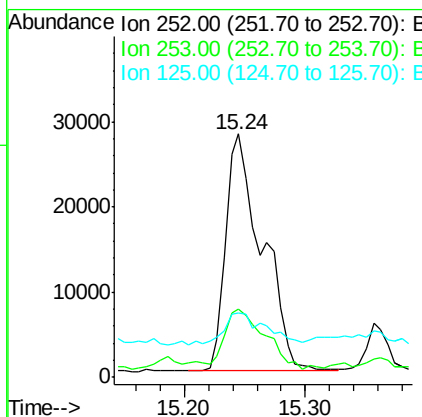
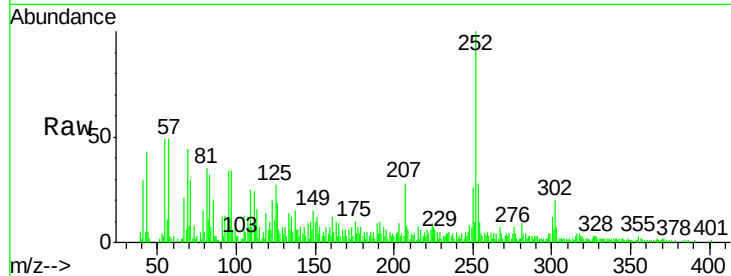




#88
Benzo(k)fluoranthene
Concen: 3.910 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.9	26.9#
125	26.5	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.033 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF103976.D
Acq: 27 Mar 2018 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.1	25.7#
125	32.5	9.8	14.6#

