

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104934.D
 Acq On : 30 Apr 2018 15:54
 Operator : JU/SJ
 Sample : J2607-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 16:39:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	107227	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	446057	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	200499	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	344249	20.00	ng	0.00
75) Chrysene-d12	13.97	240	217336	20.00	ng	0.00
86) Perylene-d12	15.43	264	203850	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	647753	92.37	ng	0.00
7) Phenol-d6	6.43	99	792498	91.98	ng	0.00
23) Nitrobenzene-d5	7.36	82	475856	69.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	199272	95.81	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	836768	65.93	ng	0.00
78) Terphenyl-d14	12.91	244	660830	69.32	ng	0.00

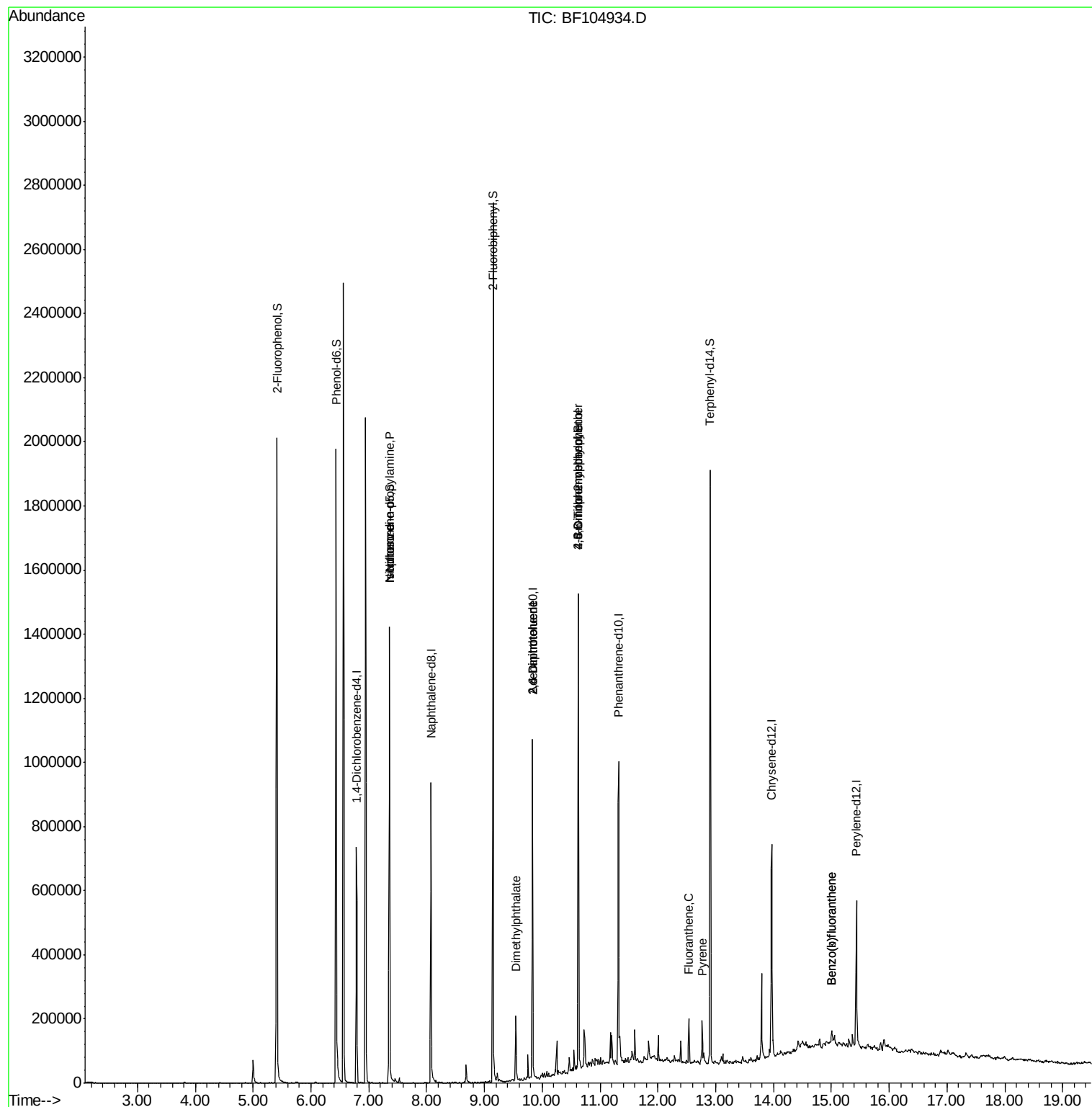
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	61710	10.960	ng	# 74
25) Isophorone	7.36	82	475852	32.942	ng	# 64
49) Dimethylphthalate	9.55	163	80979	5.122	ng	# 99
50) 2,6-Dinitrotoluene	9.83	165	25937	8.865	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	25937	6.759	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	427	7.563	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	12086	3.301	ng	# 1
74) Fluoranthene	12.53	202	52188	2.605	ng	# 99
76) Benzidine	12.91	184	8939	Below Cal		# 93
77) Pyrene	12.77	202	43317	2.689	ng	# 95
87) Benzo(b)fluoranthene	15.01	252	32567	2.530	ng	# 85
88) Benzo(k)fluoranthene	15.01	252	32567	2.679	ng	# 87

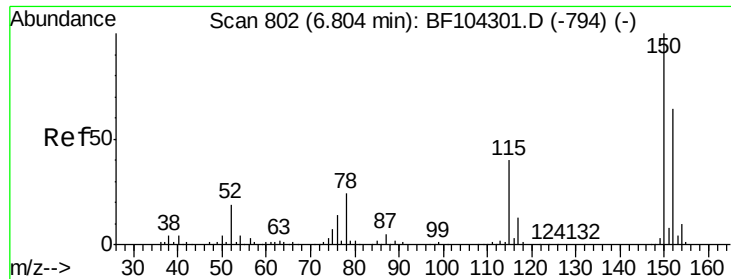
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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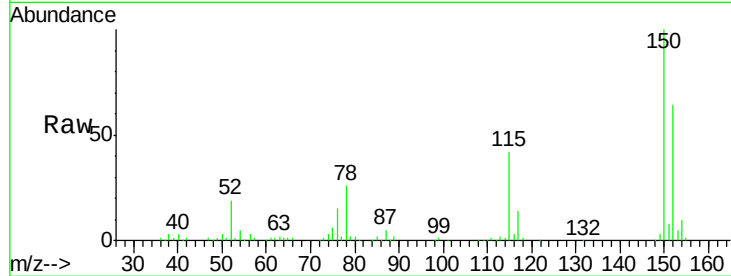


#1

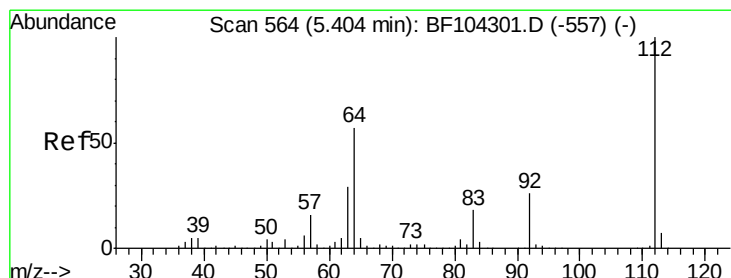
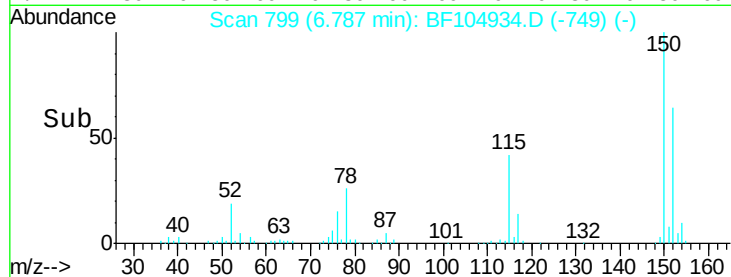
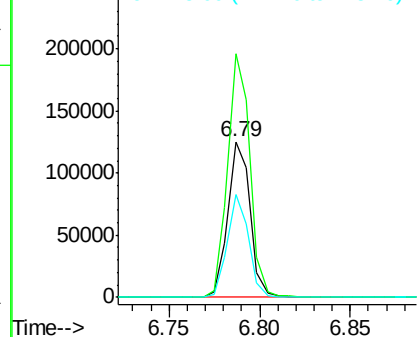
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 107227
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 65.8 50.1 75.1



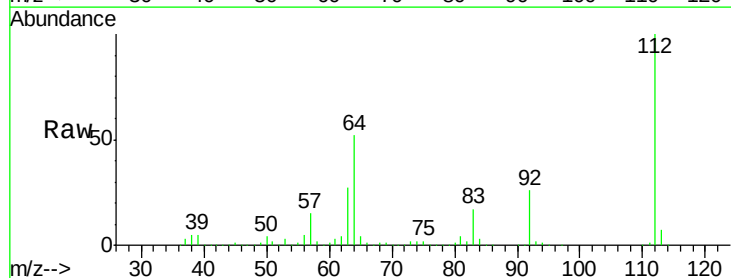
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



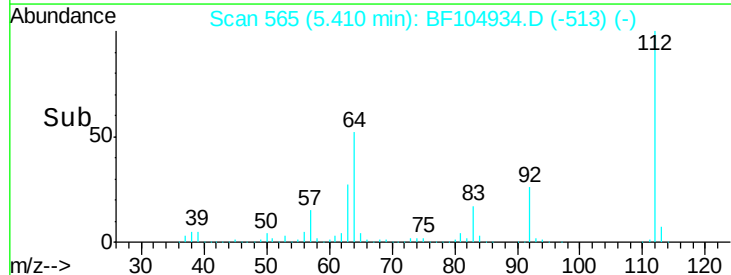
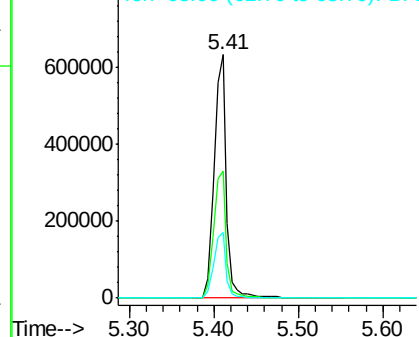
#5

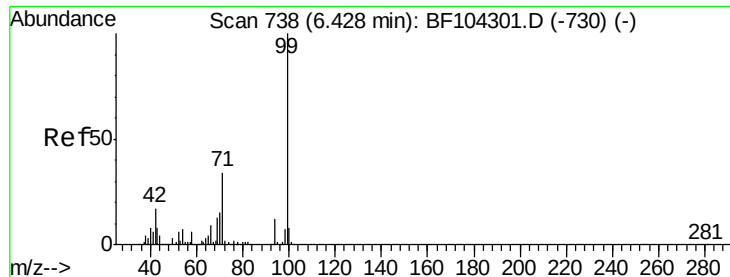
2-Fluorophenol
Concen: 92.370 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

Tgt Ion:112 Resp: 647753
Ion Ratio Lower Upper
112 100
64 52.3 47.9 71.9
63 27.1 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: 91.977 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104934.D

Acq: 30 Apr 2018 15:54

Instrument :

BNA_F

ClientSampled :

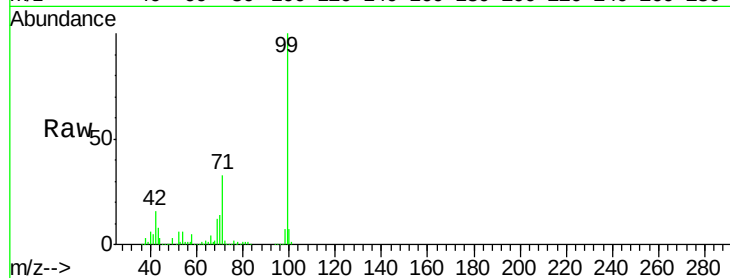
Tot Ion: 99 Resp: 792498

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

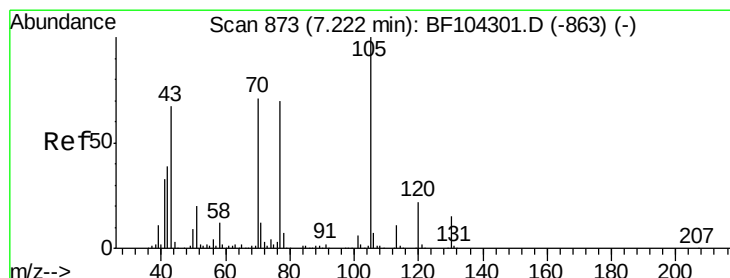
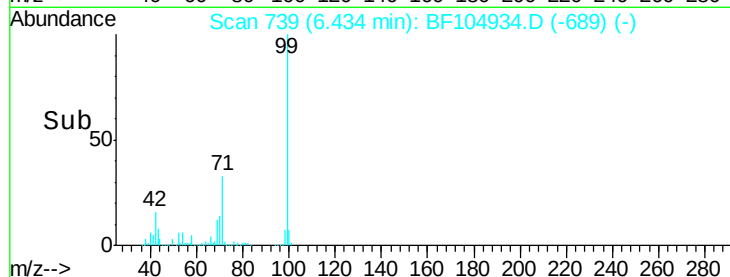
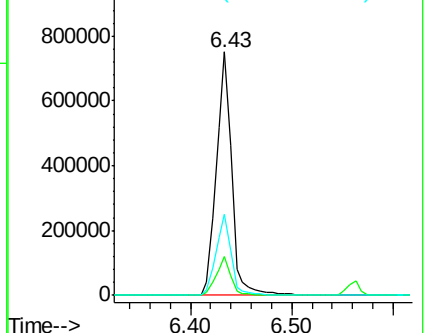
71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.960 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104934.D

Acq: 30 Apr 2018 15:54

Tgt Ion: 70 Resp: 61710

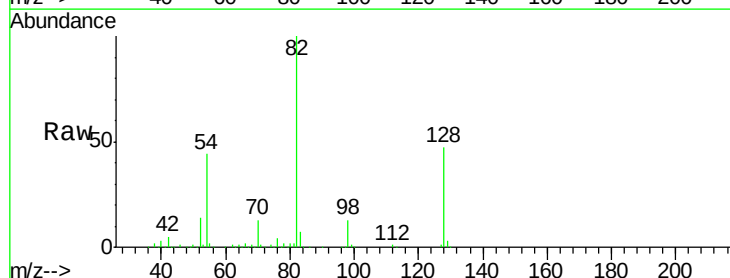
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 3.3 16.6 25.0#

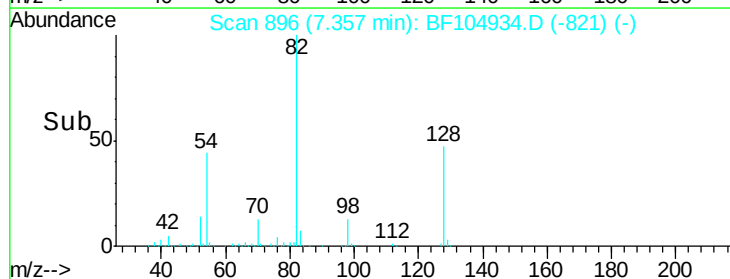
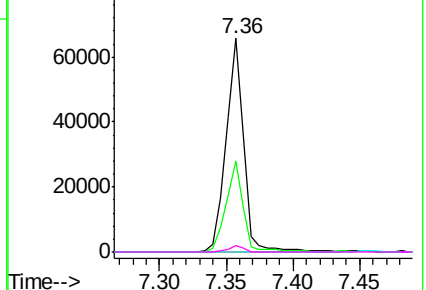


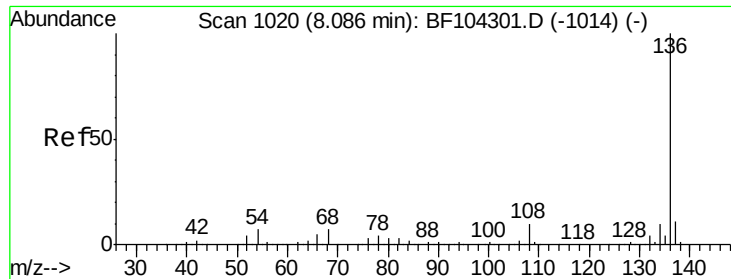
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

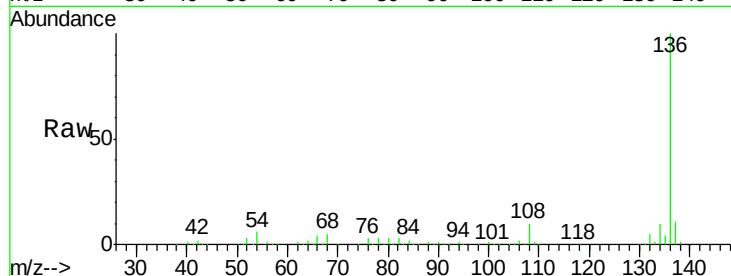




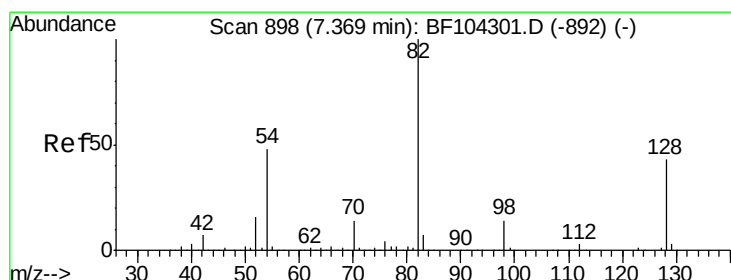
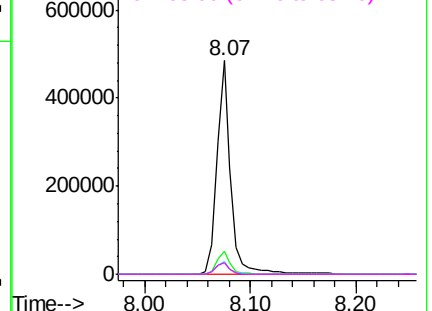
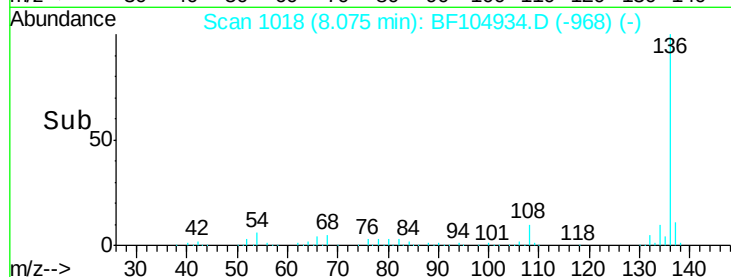
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	446057
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	6.2	6.6 9.8#
68	5.4	5.0 7.4

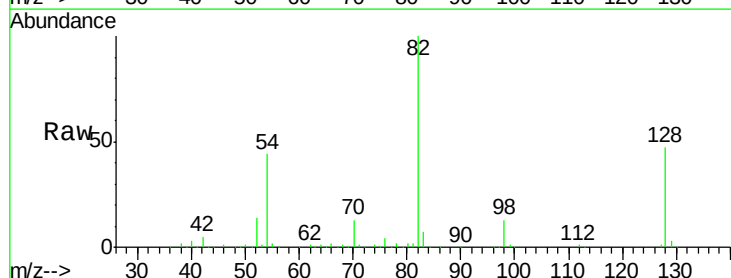


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

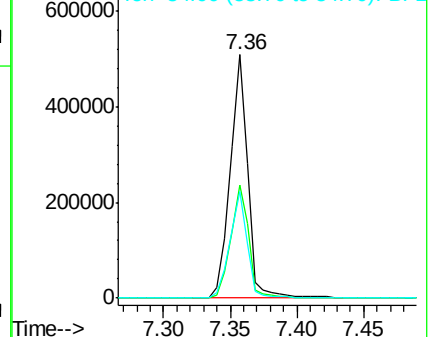
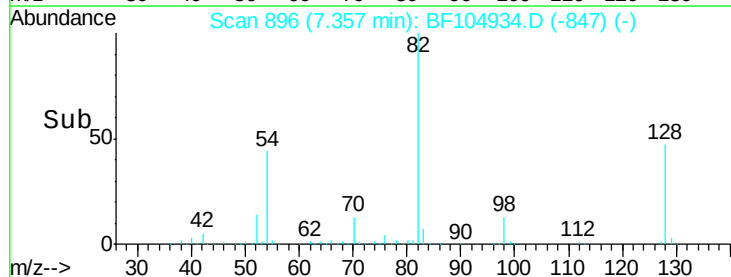


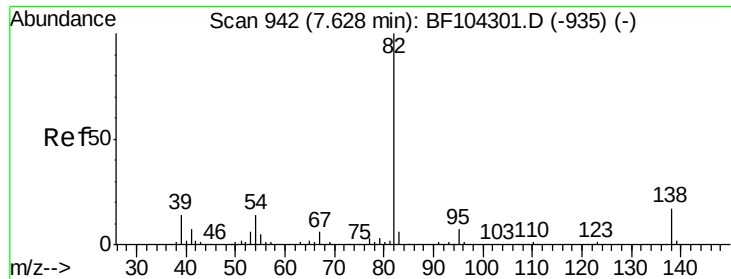
#23
Nitrobenzene-d5
Concen: 69.660 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

Tgt Ion: 82	Resp:	475856
Ion Ratio	Lower	Upper
82	100	
128	46.6	36.1 54.1
54	43.9	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

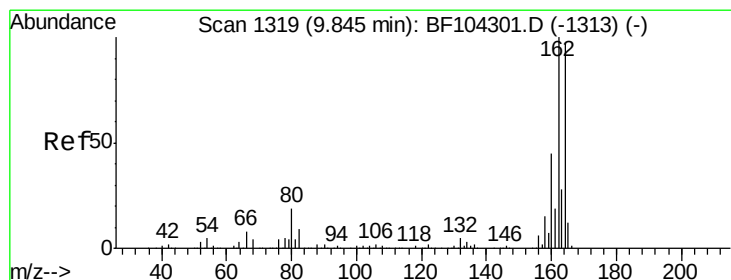
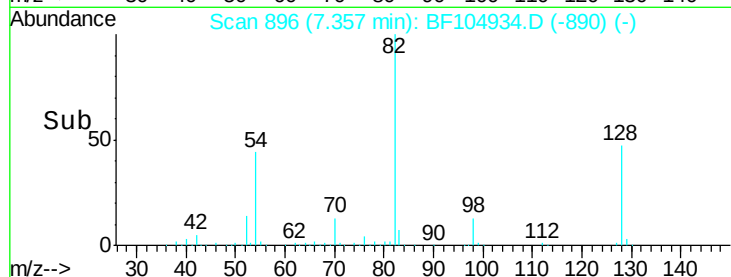
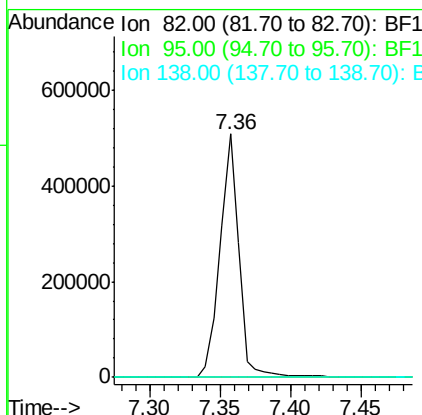
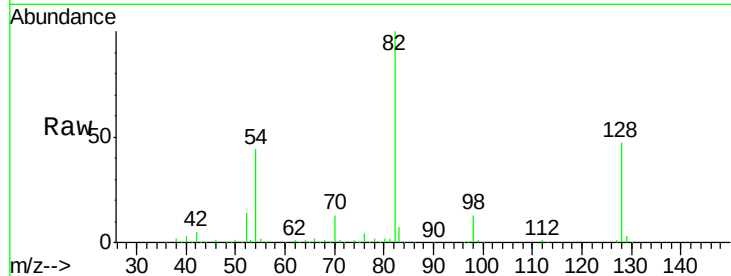




#25
Isophorone
Concen: 32.942 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

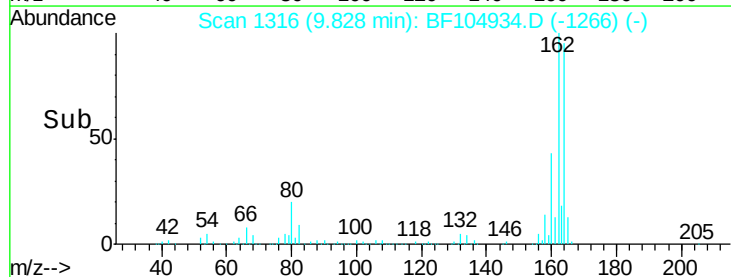
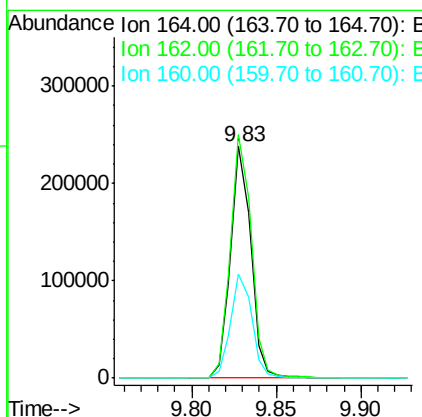
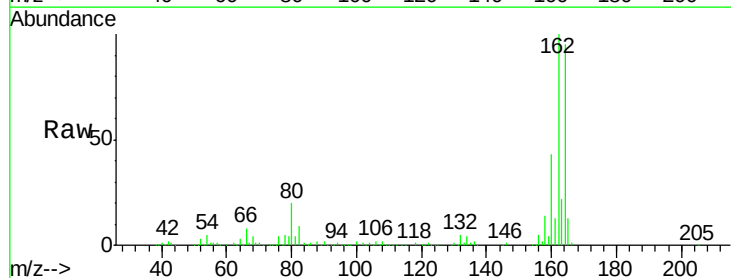
Instrument :
BNA_F
ClientSampleId :

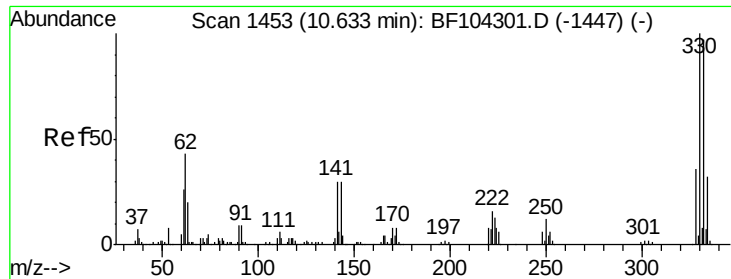
Tot Ion: 82 Resp: 475852
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

Tgt Ion:164 Resp: 200499
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 45.0 38.3 57.5

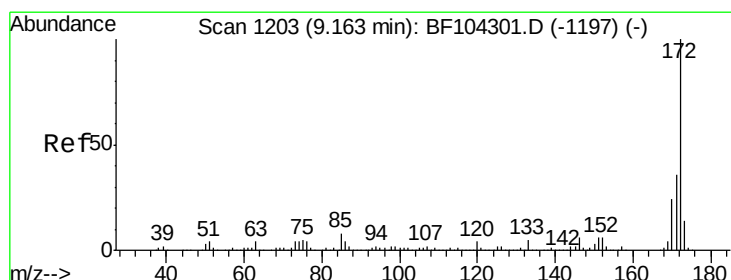
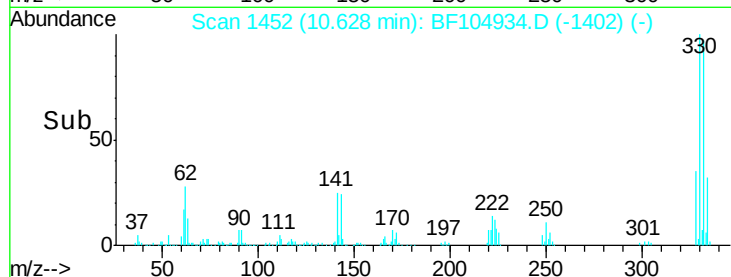
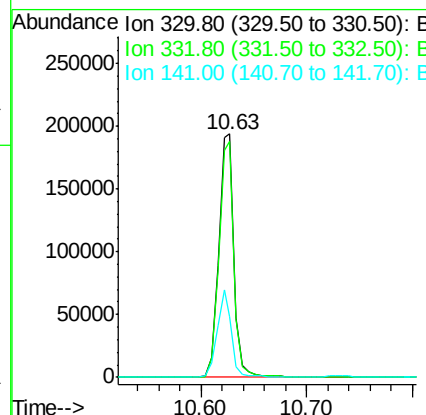
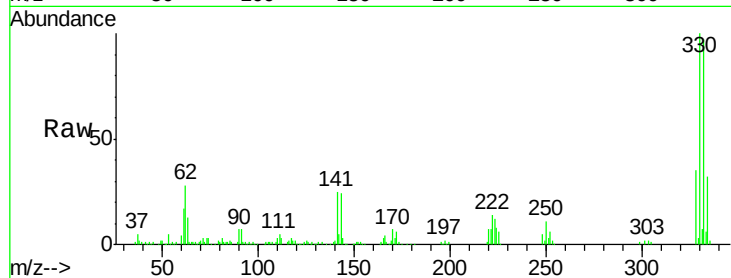




#41
 2,4,6-Tribromophenol
 Concen: 95.812 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104934.D
 Acq: 30 Apr 2018 15:54

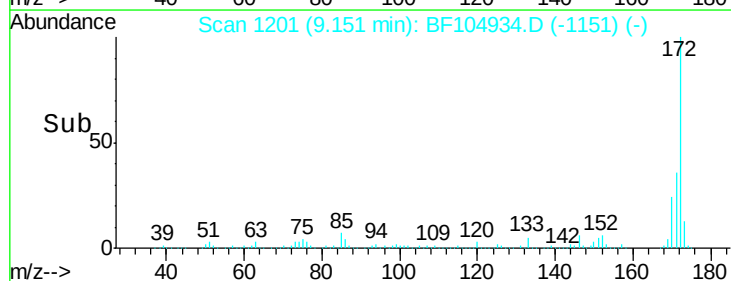
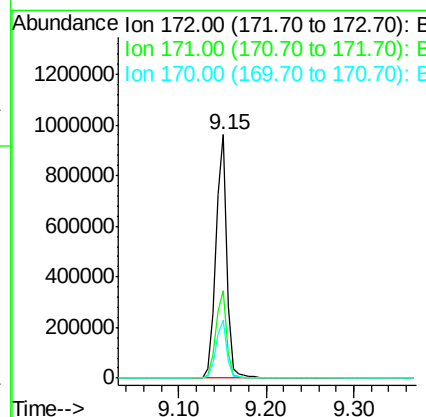
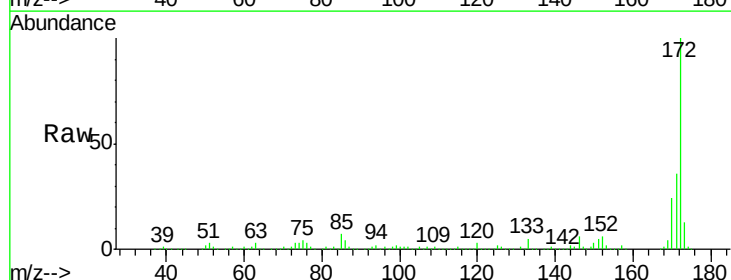
Instrument :
 BNA_F
 ClientSampleId :

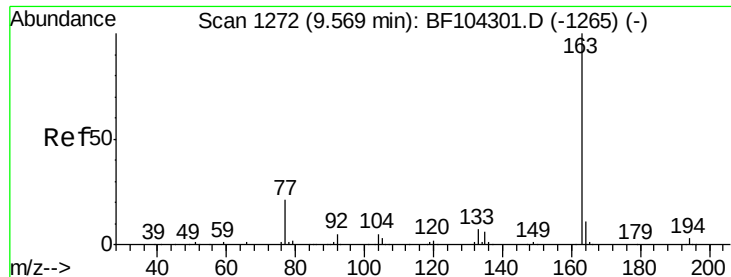
Tot Ion	330	Resp	199272
Ion Ratio	100	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	33.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 65.930 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104934.D
 Acq: 30 Apr 2018 15:54

Tgt Ion	172	Resp	836768
Ion Ratio	100	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.8	19.6	29.4

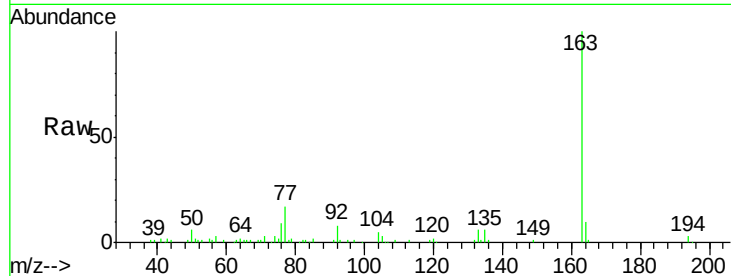




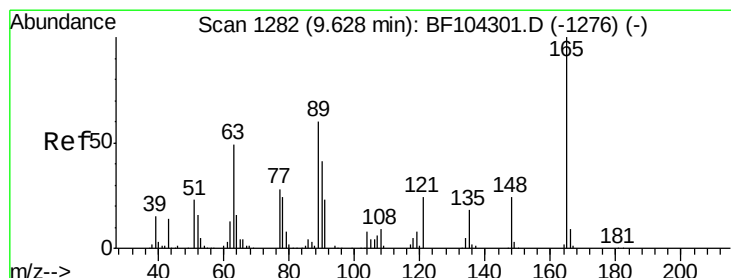
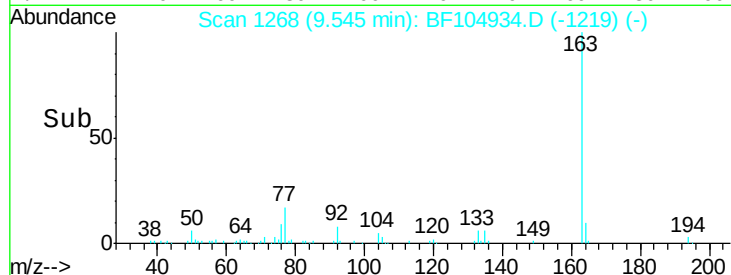
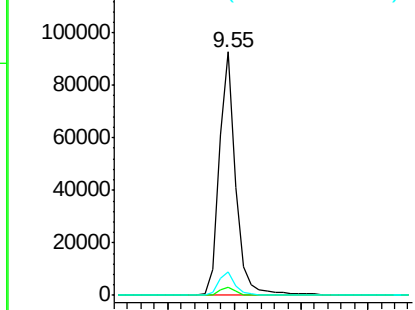
#49
Dimethylphthalate
Concen: 5.122 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 80979
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.8 8.2 12.2

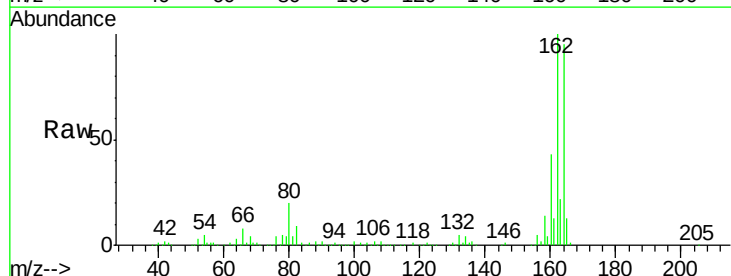


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

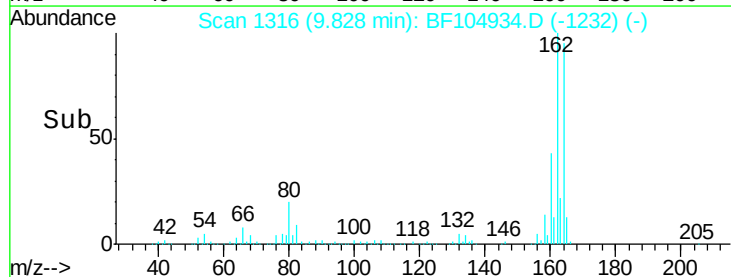
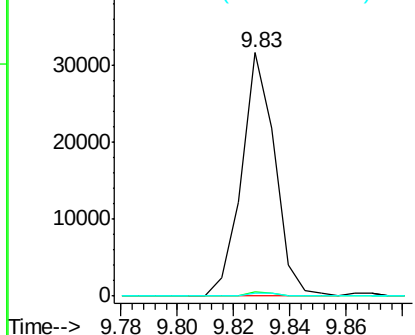


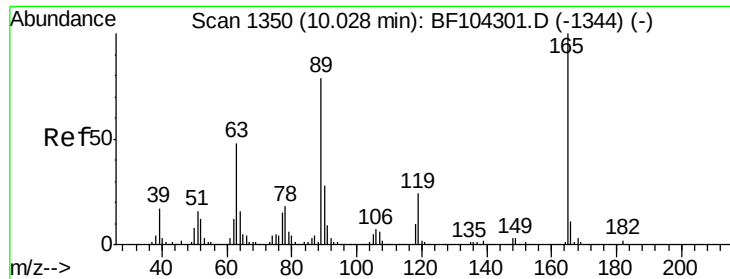
#50
2,6-Dinitrotoluene
Concen: 8.865 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.19 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

Tgt Ion:165 Resp: 25937
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.2 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

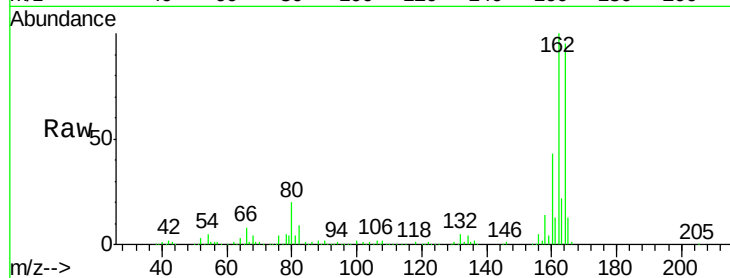




#56
 2,4-Dinitrotoluene
 Concen: 6.759 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104934.D
 Acq: 30 Apr 2018 15:54

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:	165	Resp:	25937
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

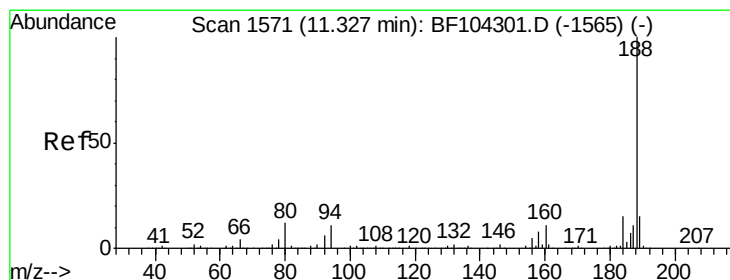
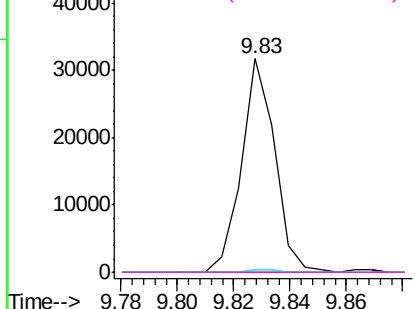
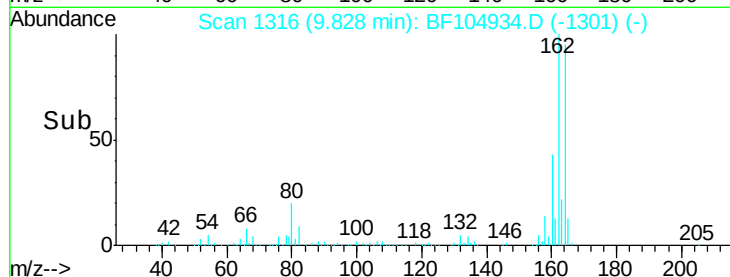


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

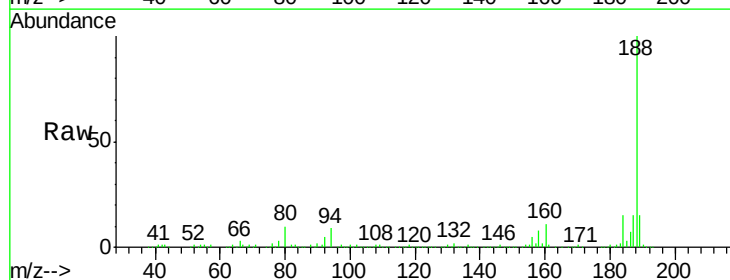
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF104934.D
 Acq: 30 Apr 2018 15:54

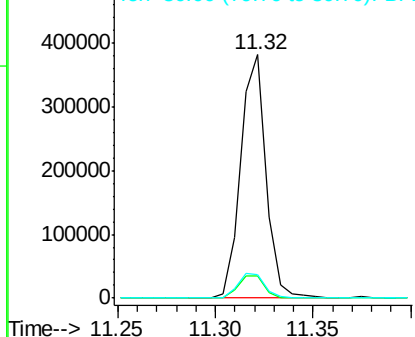
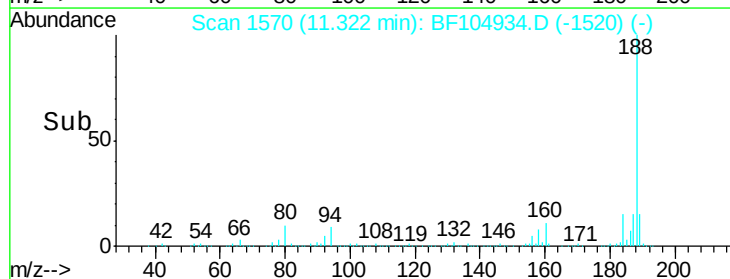
Tgt Ion:	188	Resp:	344249
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.7	9.2	13.8

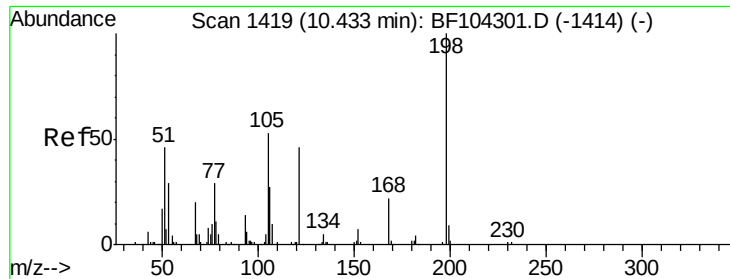


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

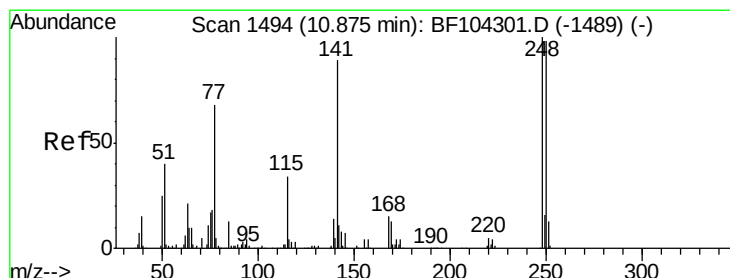
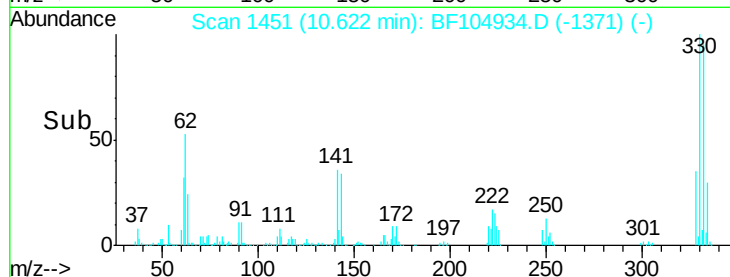
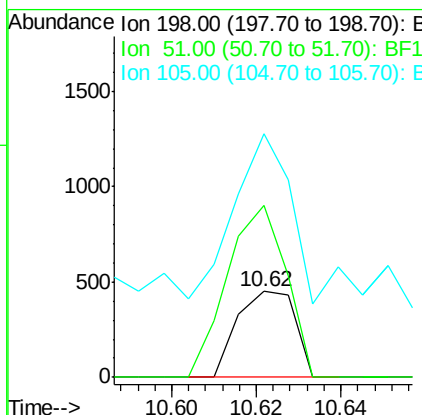
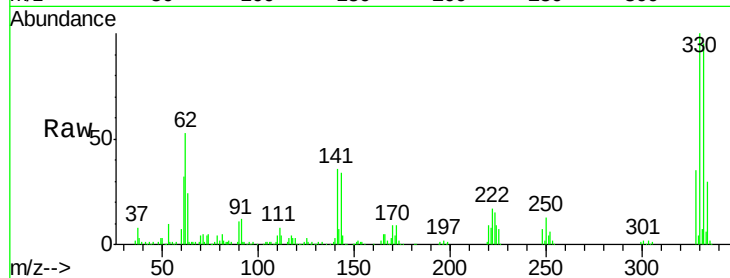




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.563 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF104934.D
 Acq: 30 Apr 2018 15:54

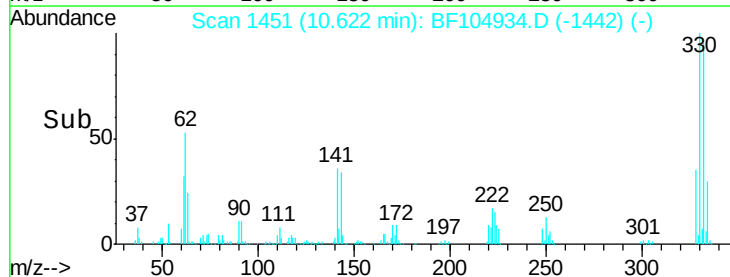
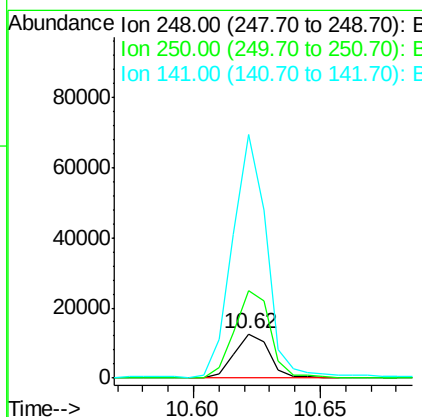
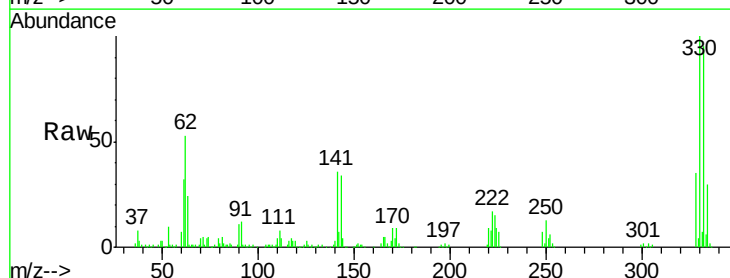
Instrument :
 BNA_F
 ClientSampleId :

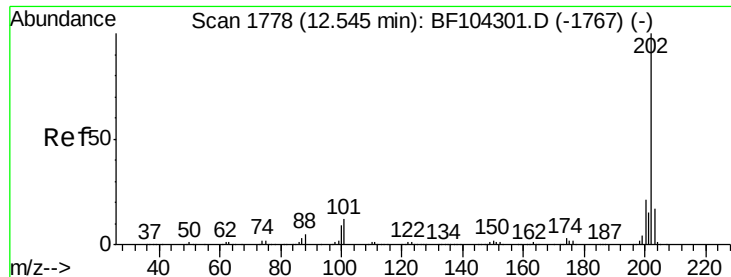
Tot Ion:198 Resp: 427
 Ion Ratio Lower Upper
 198 100
 51 201.1 37.7 77.7#
 105 284.4 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.301 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF104934.D
 Acq: 30 Apr 2018 15:54

Tgt Ion:248 Resp: 12086
 Ion Ratio Lower Upper
 248 100
 250 197.4 76.9 115.3#
 141 551.8 74.4 111.6#





#74

Fluoranthene

Concen: 2.605 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF104934.D

Acq: 30 Apr 2018 15:54

Instrument :

BNA_F

ClientSampleId :

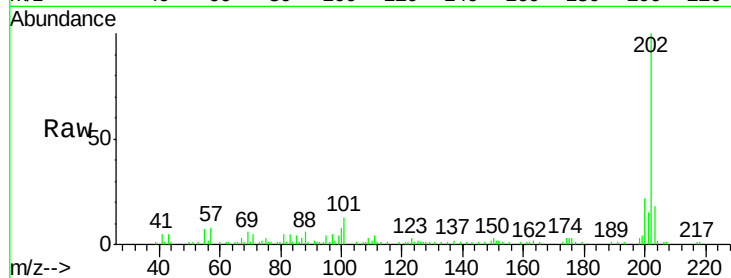
Tot Ion:202 Resp: 52188

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.1

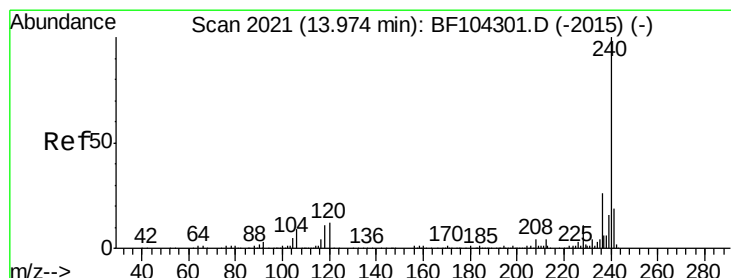
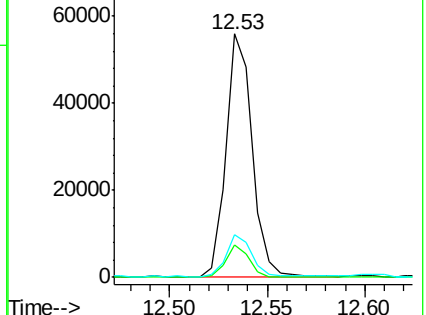
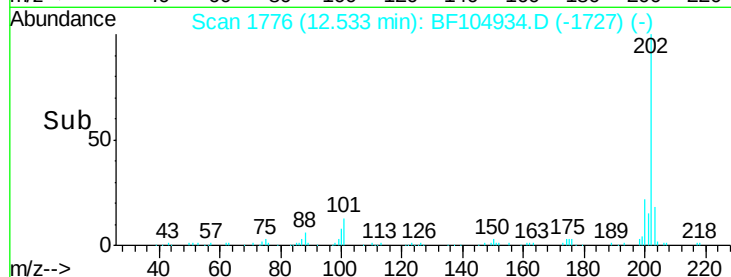
203 17.7 0.0 38.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104934.D

Acq: 30 Apr 2018 15:54

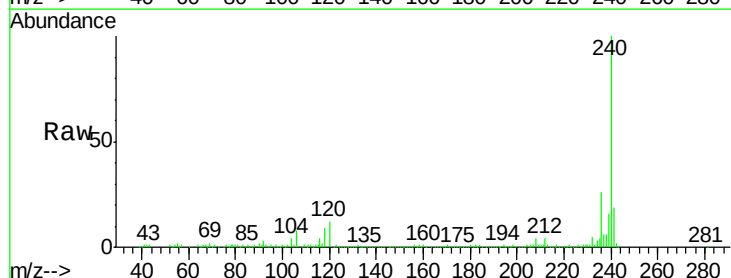
Tgt Ion:240 Resp: 217336

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

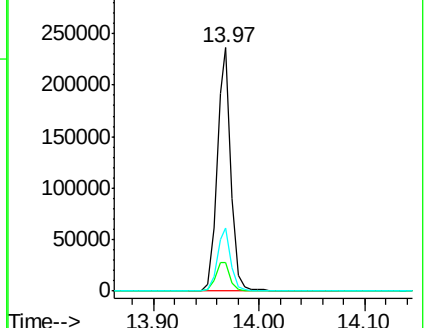
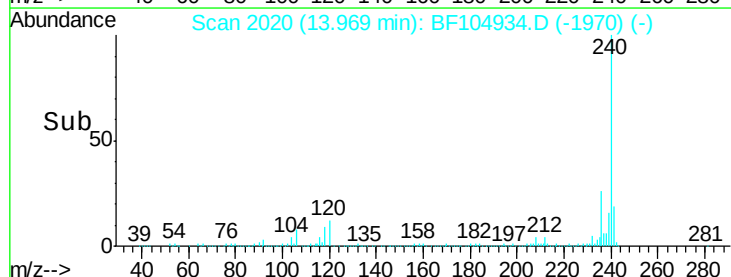
236 25.8 20.7 31.1

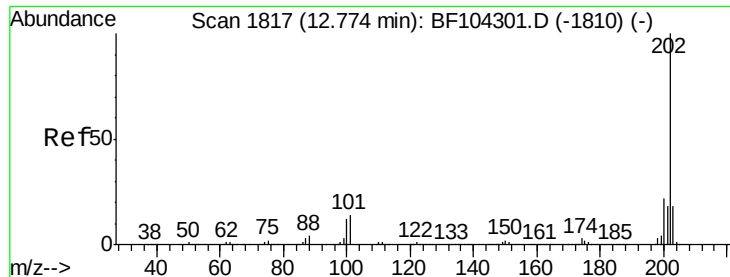


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

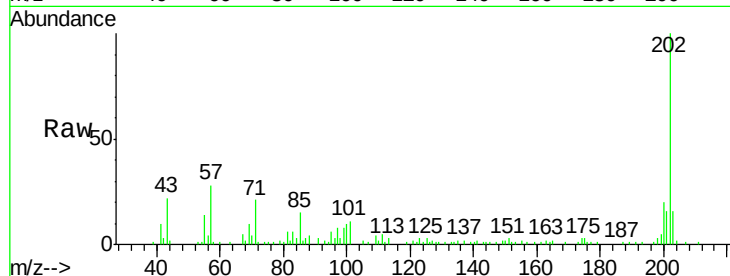




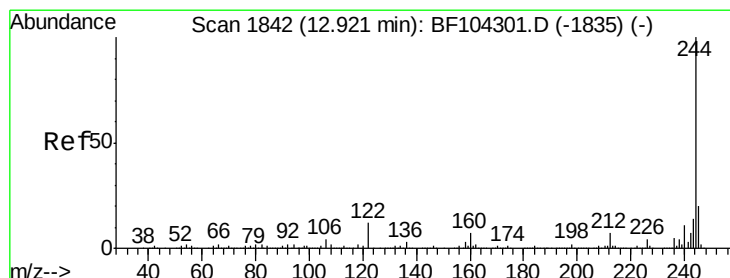
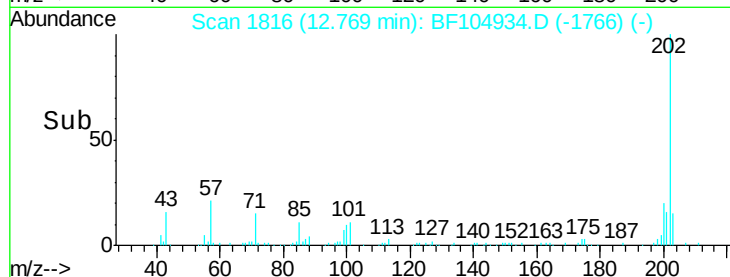
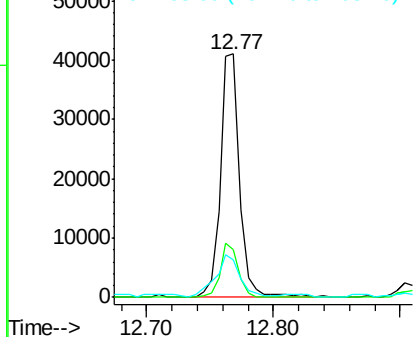
#77
 Pvrene
 Concen: 2.689 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF104934.D
 Acq: 30 Apr 2018 15:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.4	26.2
203	15.6	14.3	21.5

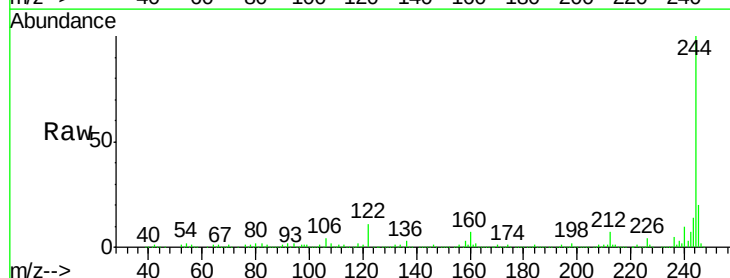


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

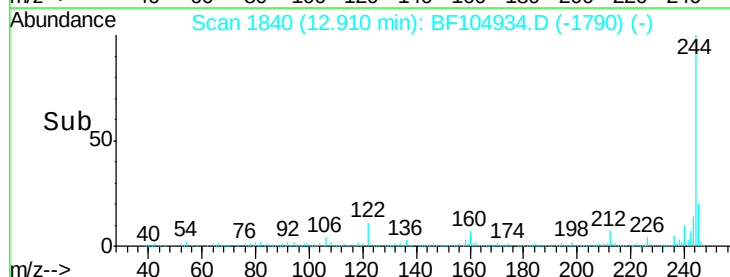
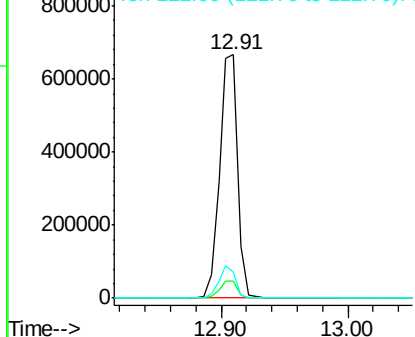


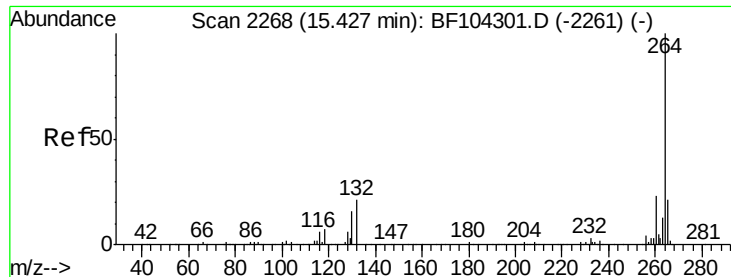
#78
 Terphenyl-d14
 Concen: 69.320 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF104934.D
 Acq: 30 Apr 2018 15:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.7	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

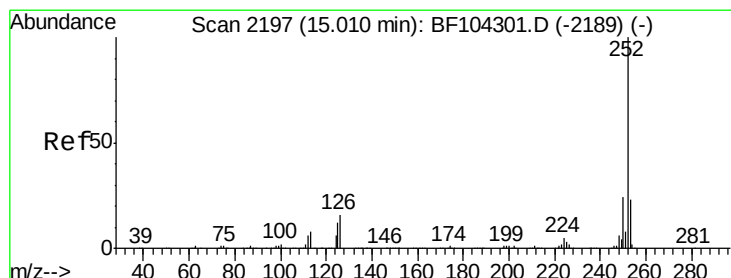
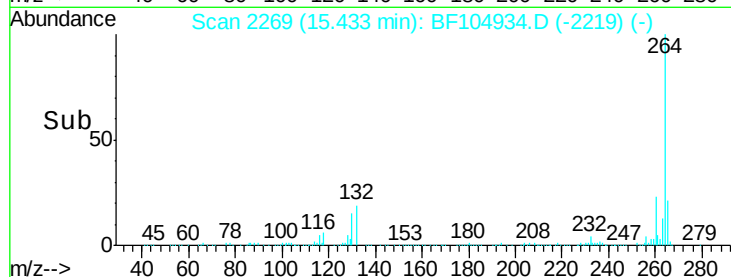
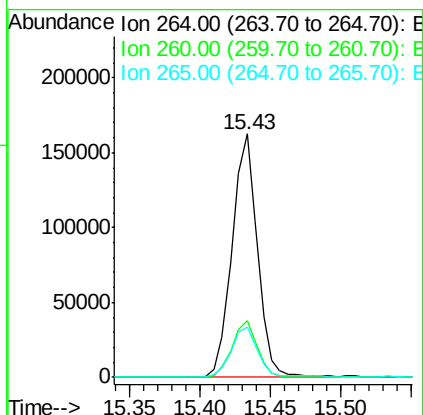
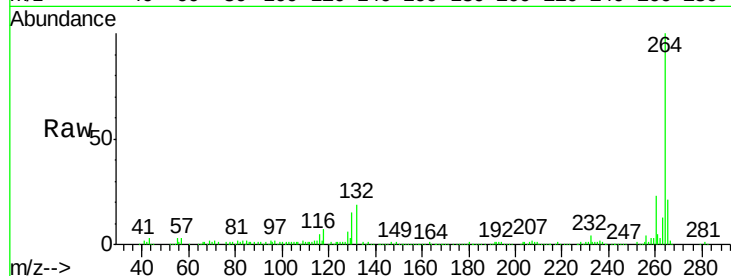




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

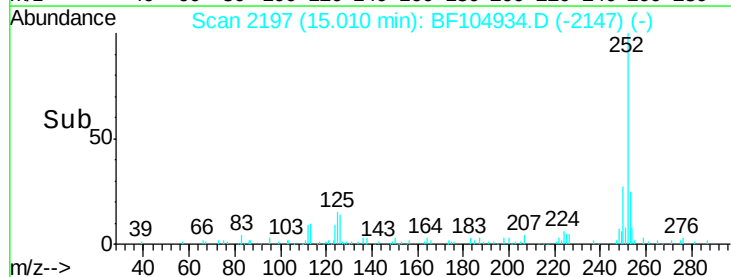
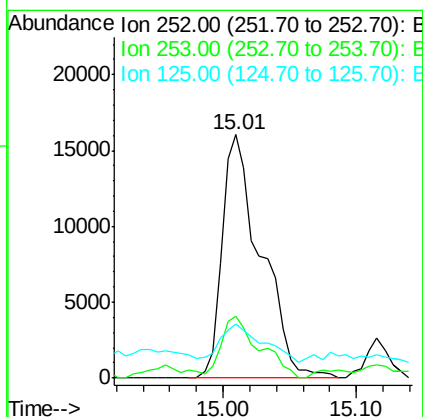
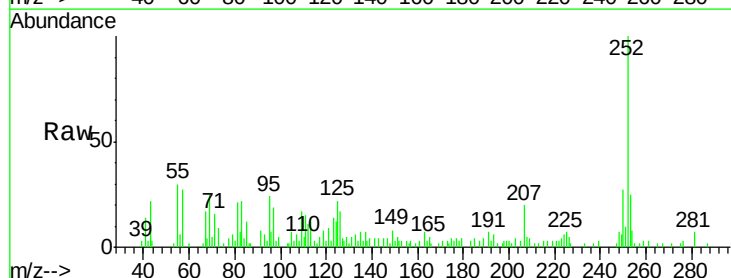
Instrument :
BNA_F
ClientSampleId :

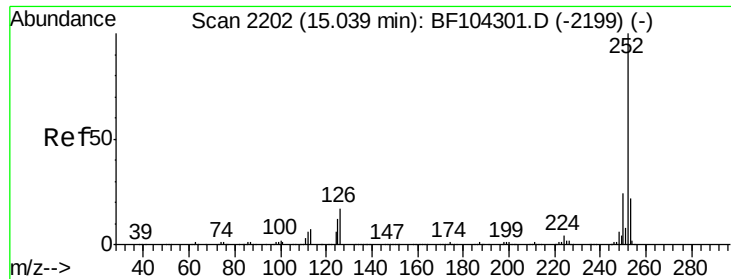
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.530 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF104934.D
Acq: 30 Apr 2018 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	22.2	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 2.679 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BF104934.D

Acq: 30 Apr 2018 15:54

Instrument :

BNA_F

ClientSampleId :

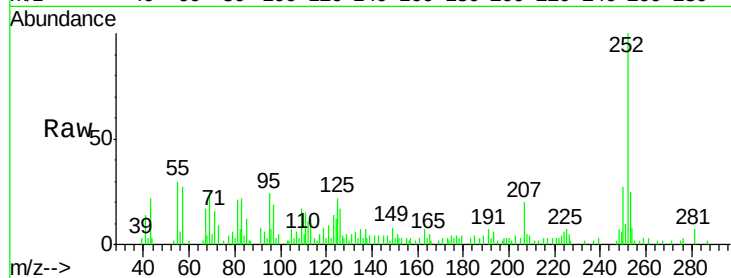
Tot Ion:252 Resp: 32567

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

125 22.2 10.2 15.2#



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

