

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104940.D
 Acq On : 30 Apr 2018 18:34
 Operator : JU/SJ
 Sample : J2613-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:35:09 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

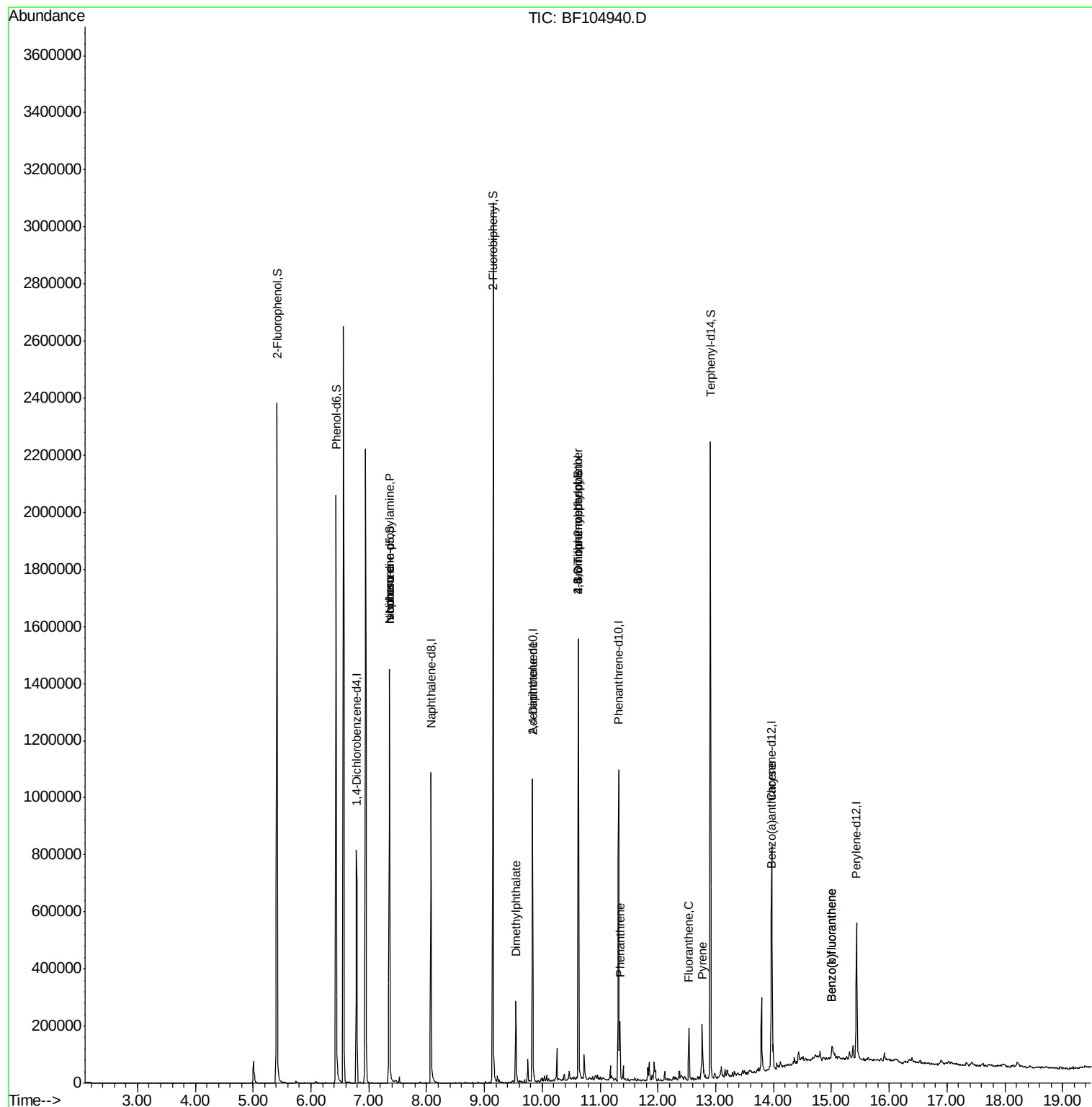
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	125837	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	514705	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	225628	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	371893	20.00	ng	0.00
75) Chrysene-d12	13.97	240	244328	20.00	ng	0.00
86) Perylene-d12	15.44	264	215916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	742316	90.20	ng	0.00
7) Phenol-d6	6.43	99	910264	90.02	ng	0.00
23) Nitrobenzene-d5	7.36	82	556444	70.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	212810	90.92	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	930533	65.15	ng	0.00
78) Terphenyl-d14	12.91	244	731356	68.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	71288	10.79	ng	# 72
25) Isophorone	7.36	82	556441	33.38	ng	# 64
49) Dimethylphthalate	9.55	163	113695	6.39	ng	98
56) 2,4-Dinitrotoluene	9.83	165	28643	6.63	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	385	7.53	ng	# 15
66) 4-Bromophenyl-phenylether	10.63	248	13217	3.34	ng	# 1
70) Phenanthrene	11.35	178	74891	3.62	ng	98
74) Fluoranthene	12.54	202	74546	3.45	ng	94
76) Benzidine	12.91	184	9764	Below Cal		96
77) Pyrene	12.77	202	81231	4.49	ng	97
80) Benzo(a)anthracene	13.96	228	32151	2.20	ng	98
87) Benzo(b)fluoranthene	15.02	252	33188	2.43	ng	# 89
88) Benzo(k)fluoranthene	15.02	252	33188	2.58	ng	# 92

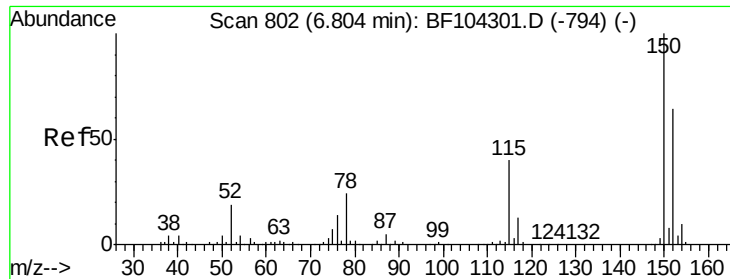
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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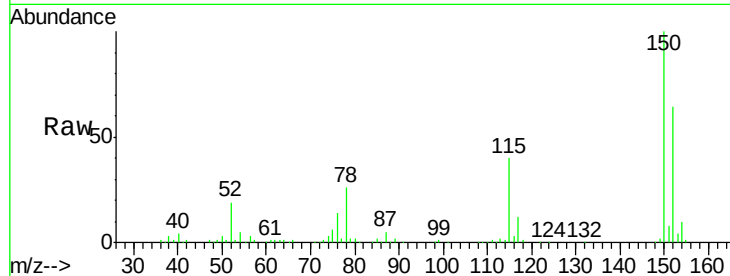


#1

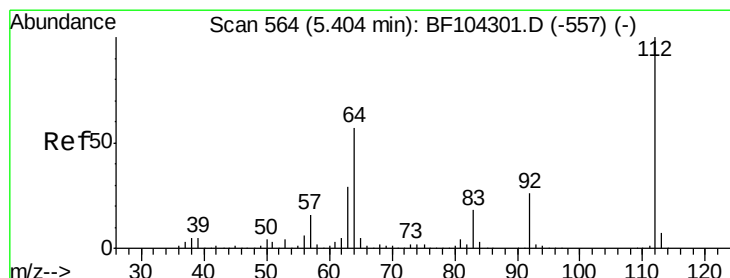
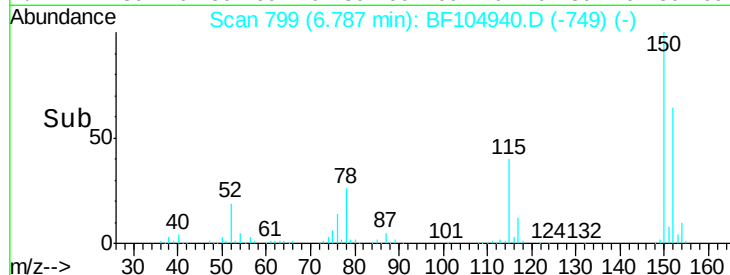
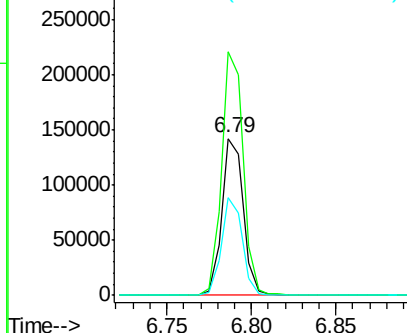
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104940.D
Acq: 30 Apr 2018 18:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	62.6	50.1	75.1



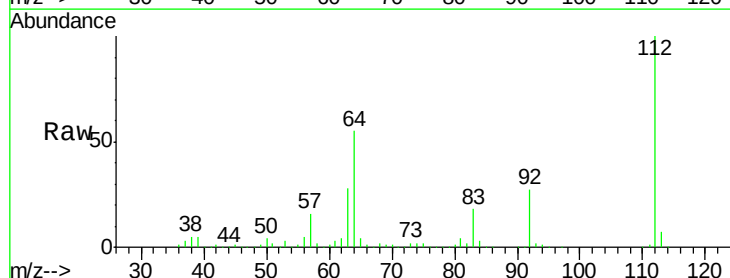
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



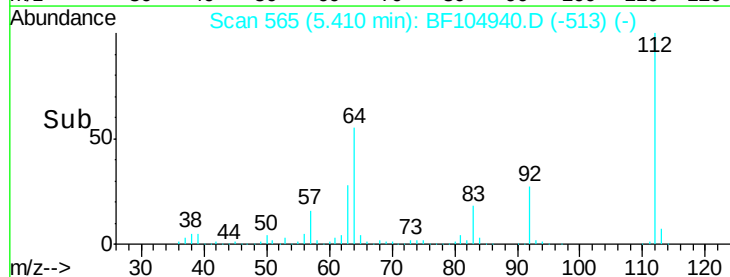
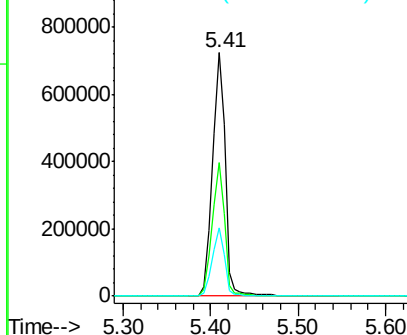
#5

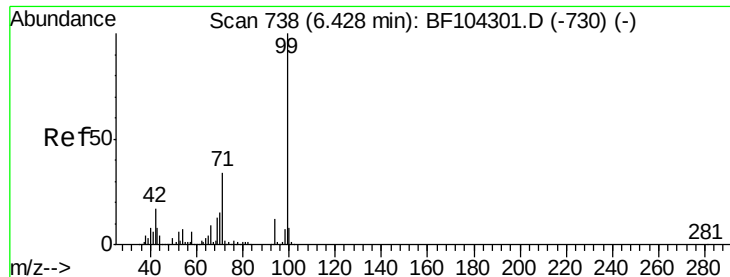
2-Fluorophenol
Concen: 90.20 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104940.D
Acq: 30 Apr 2018 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.9	71.9
63	28.3	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: 90.02 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

Instrument :

BNA_F

ClientSampled :

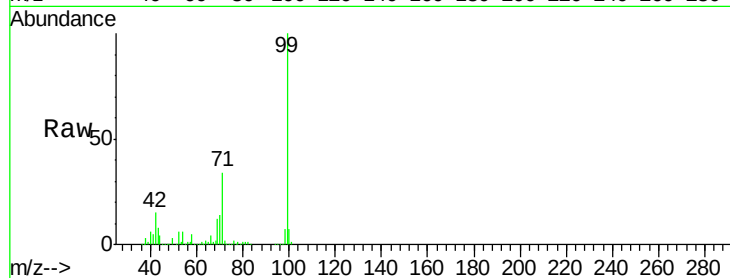
Tot Ion: 99 Resp: 910264

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

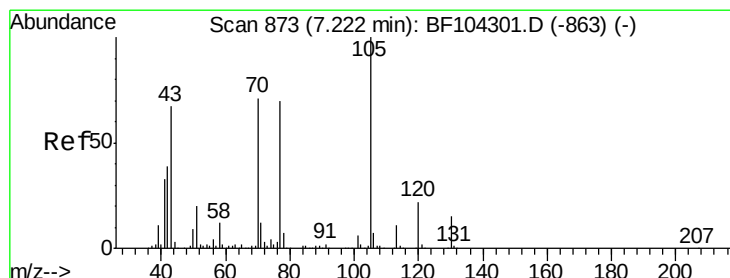
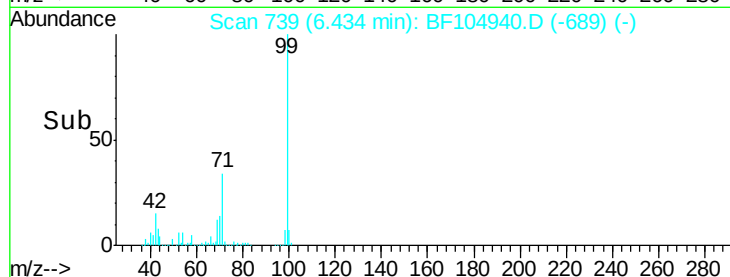
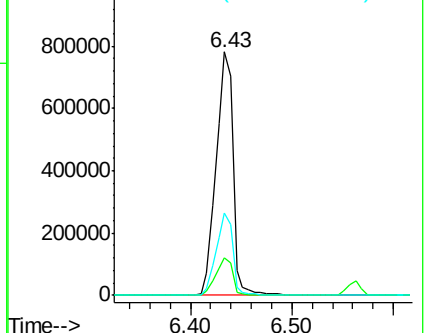
71 34.0 25.4 38.0



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: 10.79 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

Tgt Ion: 70 Resp: 71288

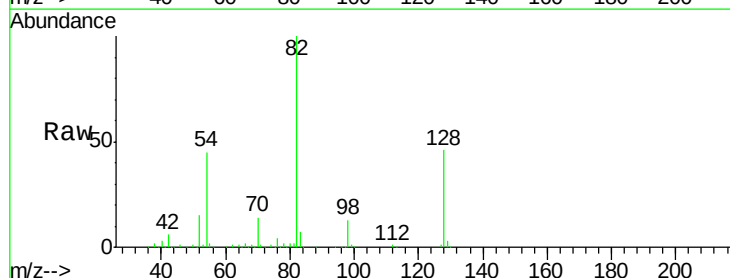
Ion Ratio Lower Upper

70 100

42 41.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

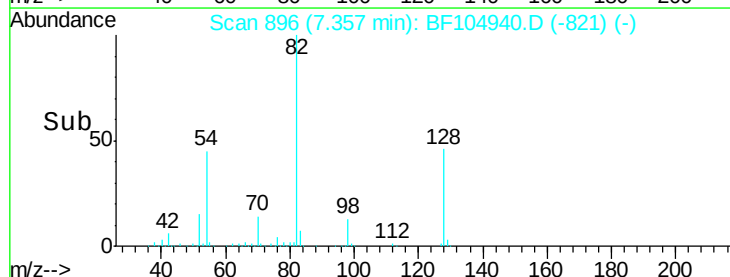
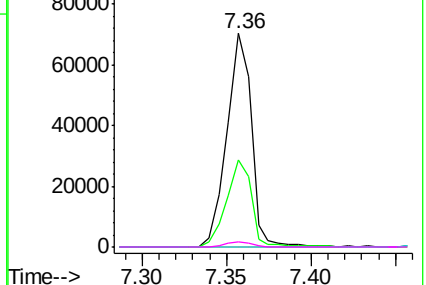


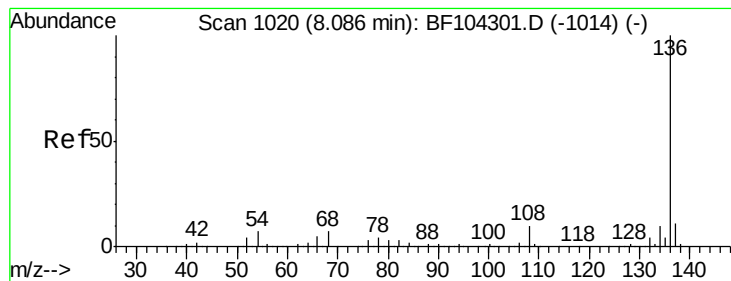
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF104940.D

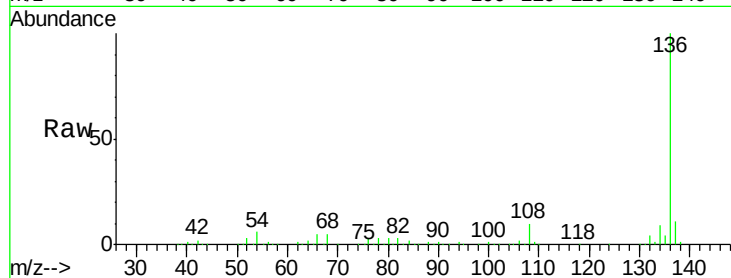
Acq: 30 Apr 2018 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	514705
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	6.5	6.6 9.8#
68	5.4	5.0 7.4

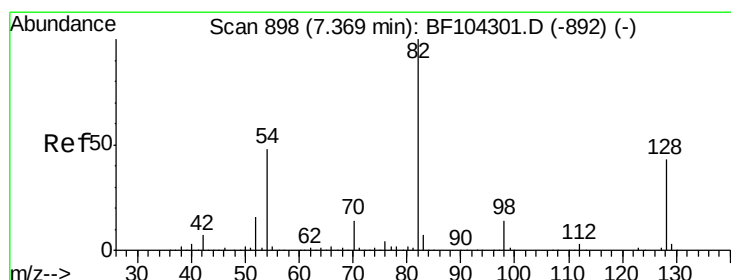
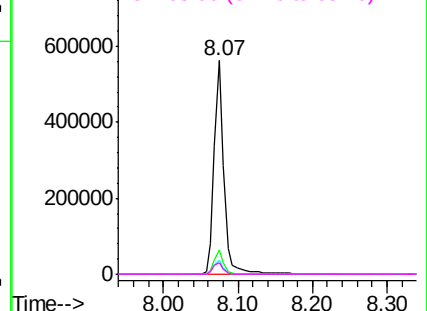
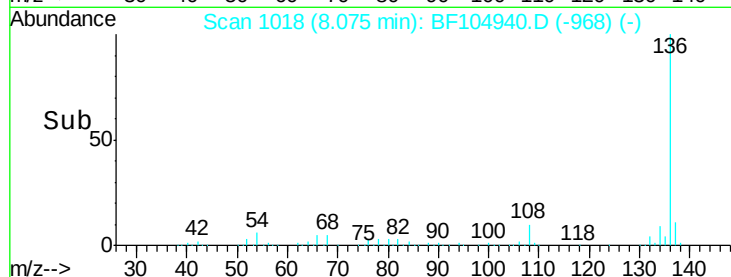


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.59 ng

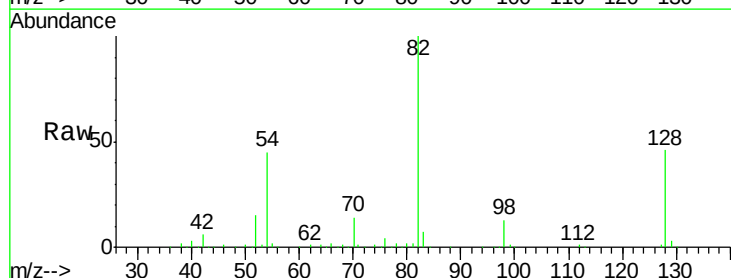
RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

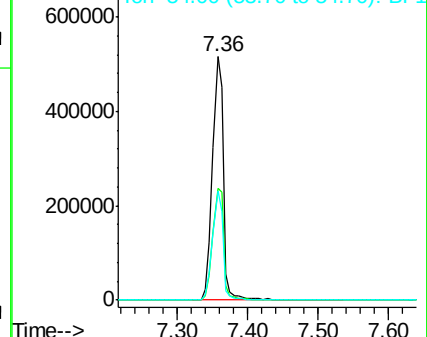
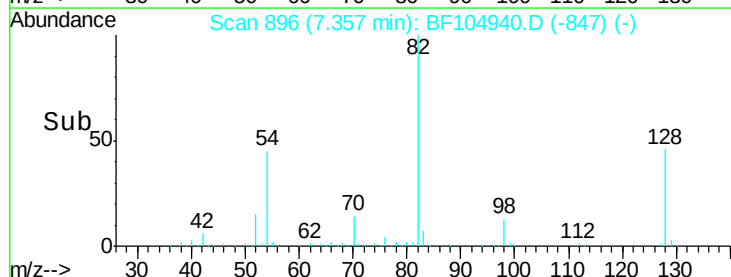
Tgt Ion: 82	Resp:	556444
Ion Ratio	Lower	Upper
82	100	
128	46.0	36.1 54.1
54	44.9	41.4 62.2

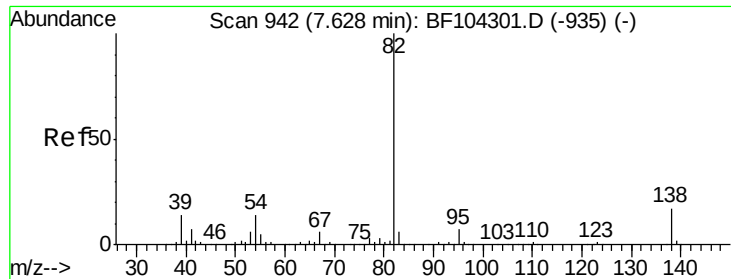


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

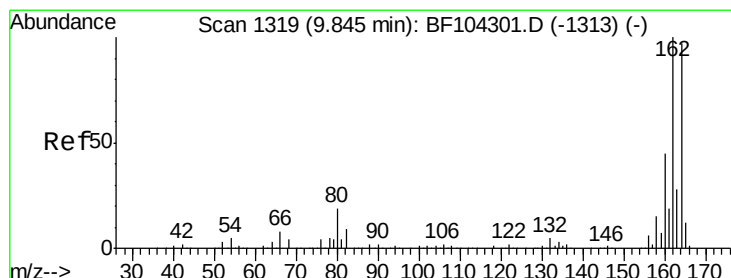
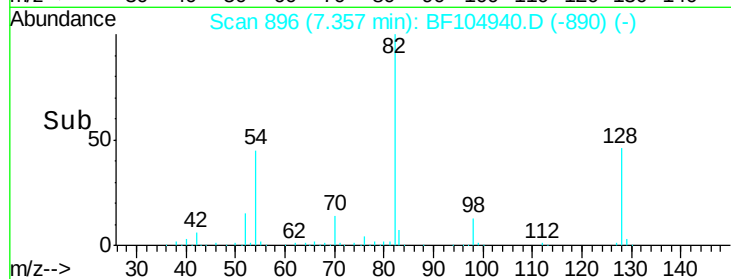
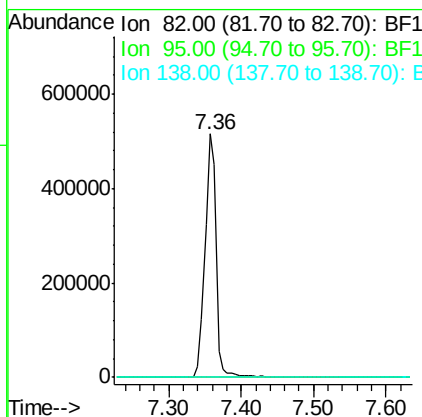
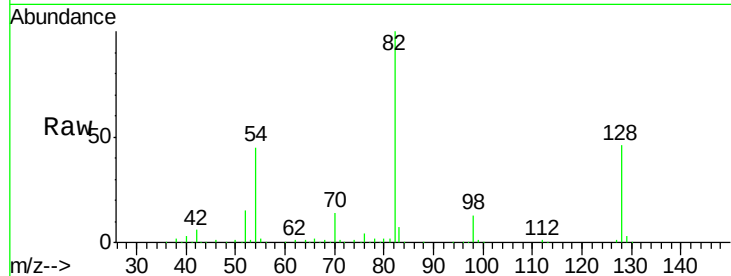




#25
Isophorone
Concen: 33.38 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF104940.D
Acq: 30 Apr 2018 18:34

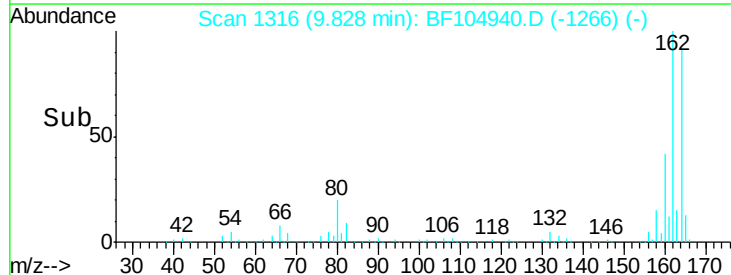
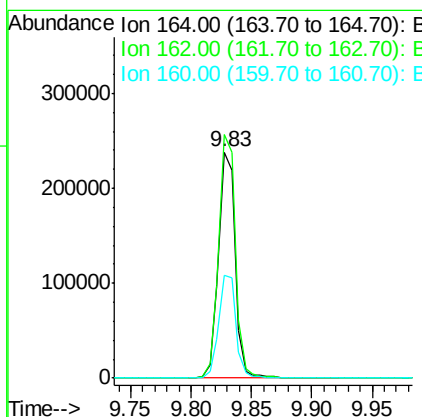
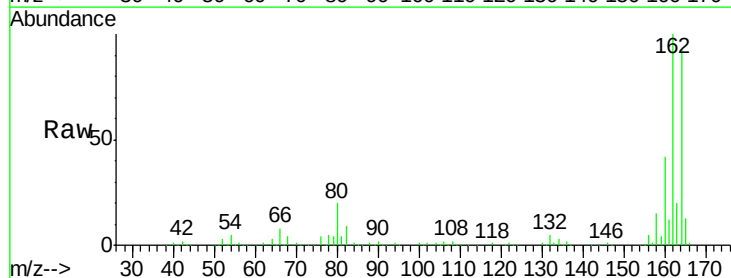
Instrument :
BNA_F
ClientSampleId :

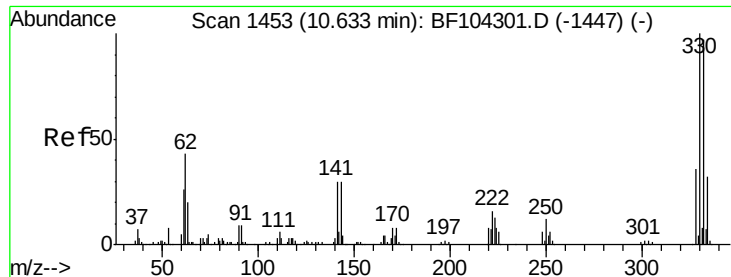
Tot Ion: 82 Resp: 556441
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF104940.D
Acq: 30 Apr 2018 18:34

Tgt Ion: 164 Resp: 225628
Ion Ratio Lower Upper
164 100
162 107.9 86.1 129.1
160 45.8 38.3 57.5

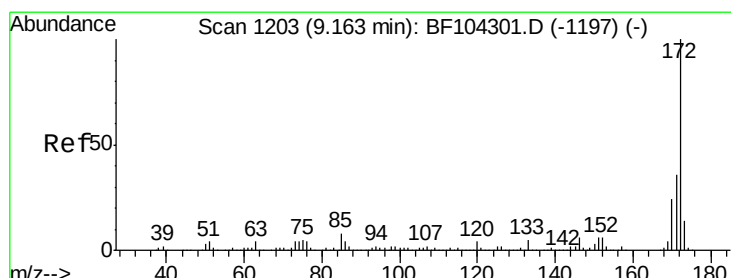
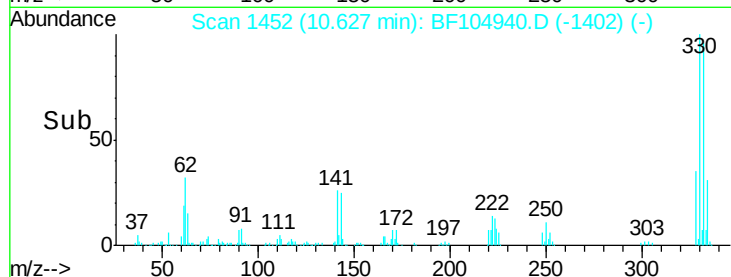
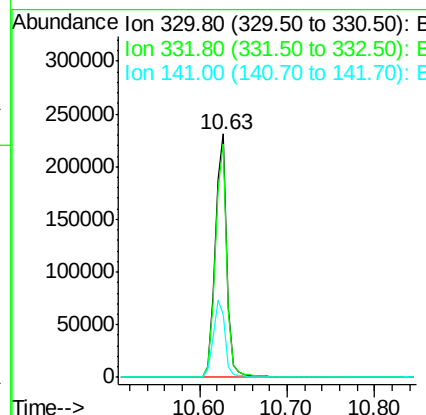
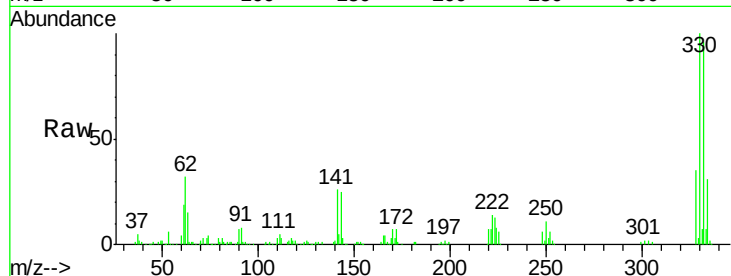




#41
 2,4,6-Tribromophenol
 Concen: 90.92 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104940.D
 Acq: 30 Apr 2018 18:34

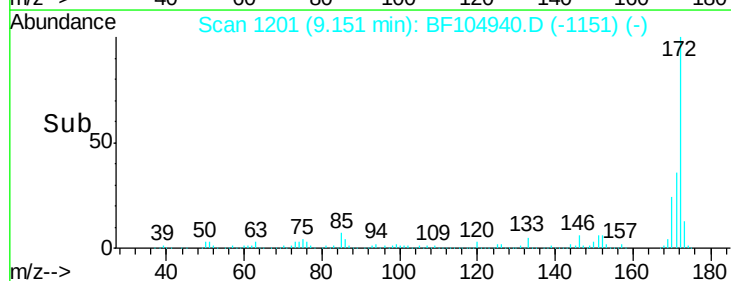
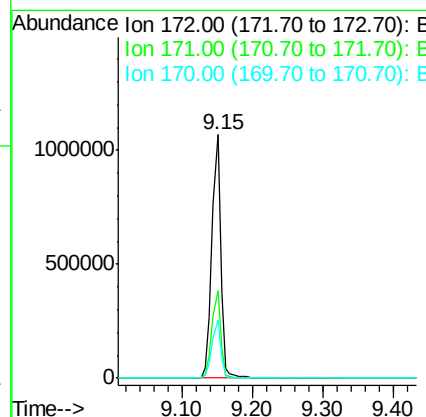
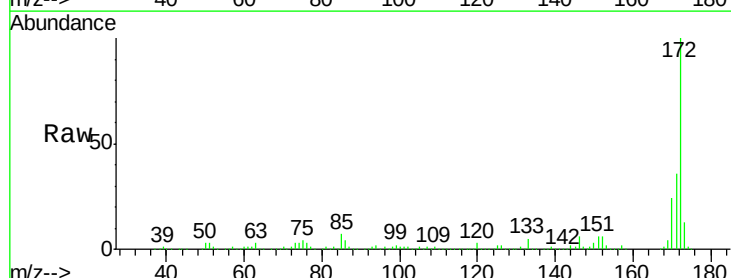
Instrument :
 BNA_F
 ClientSampleId :

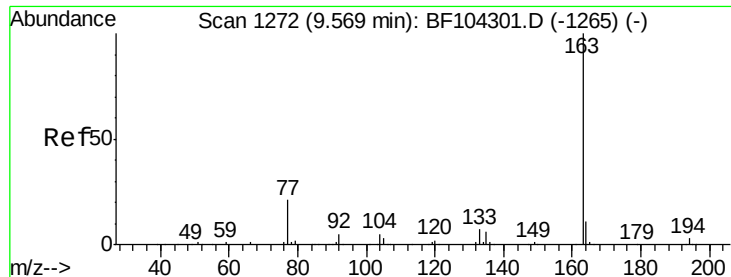
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 65.15 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104940.D
 Acq: 30 Apr 2018 18:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4





#49

Dimethylphthalate

Concen: 6.39 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

Instrument :

BNA_F

ClientSampleId :

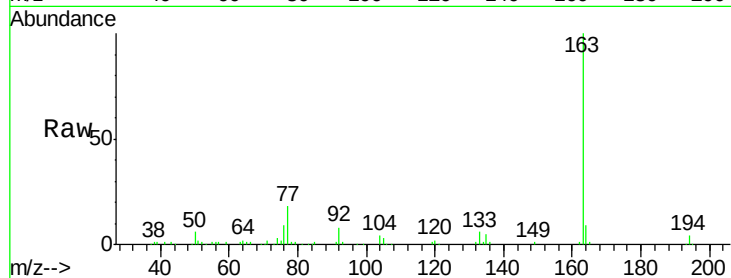
Tot Ion:163 Resp: 113695

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

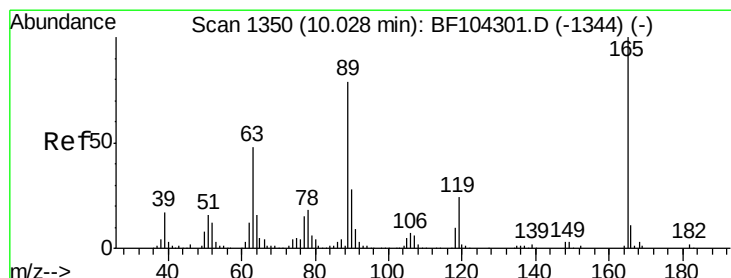
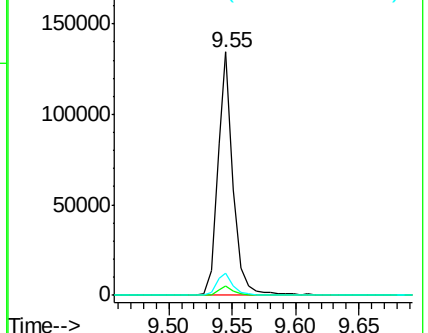
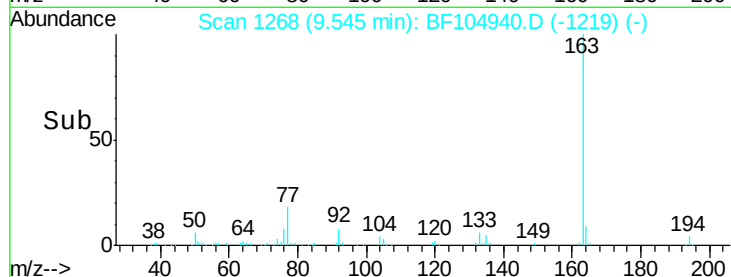
164 9.3 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.63 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

Tgt Ion:165 Resp: 28643

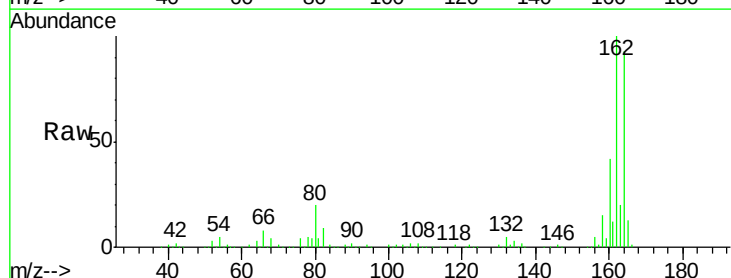
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

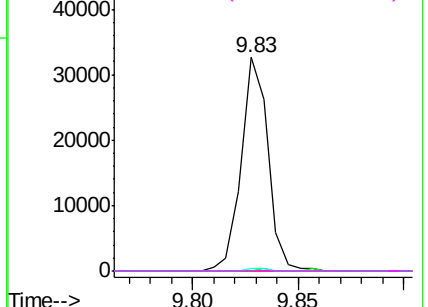
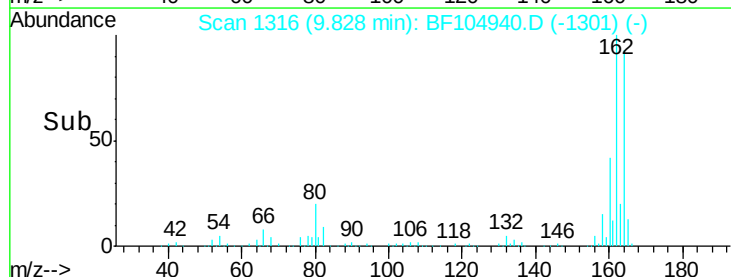


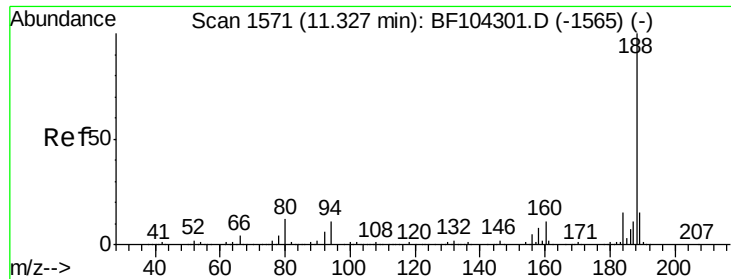
Abundance Ion 165.00 (164.70 to 165.70): E

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

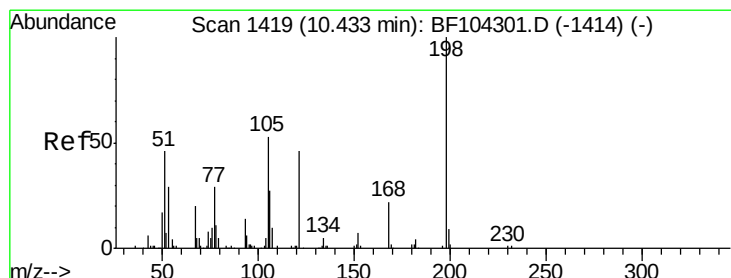
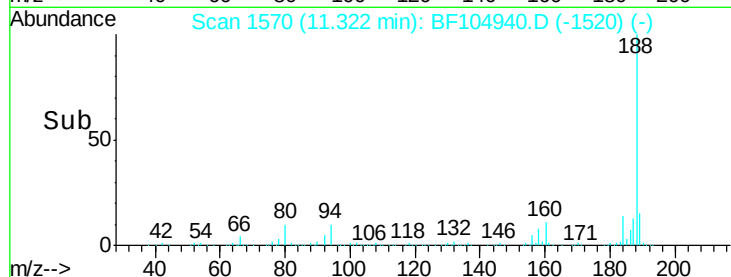
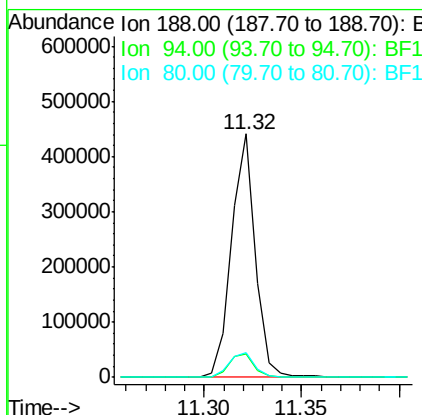
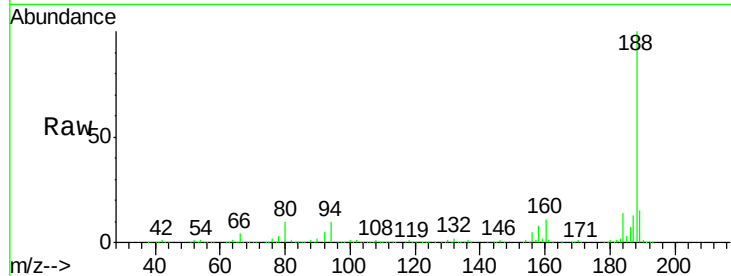




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF104940.D
Acq: 30 Apr 2018 18:34

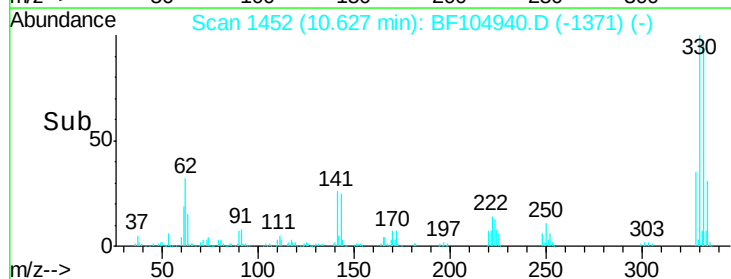
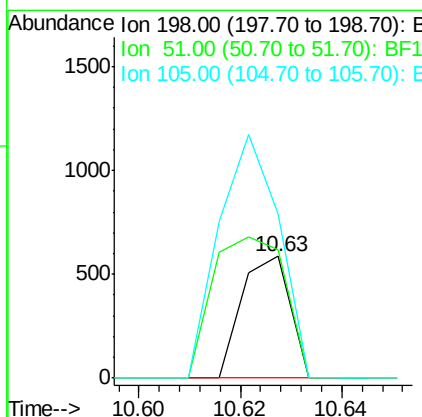
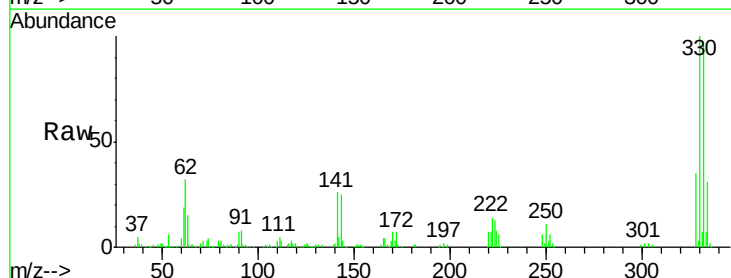
Instrument :
BNA_F
ClientSampled :

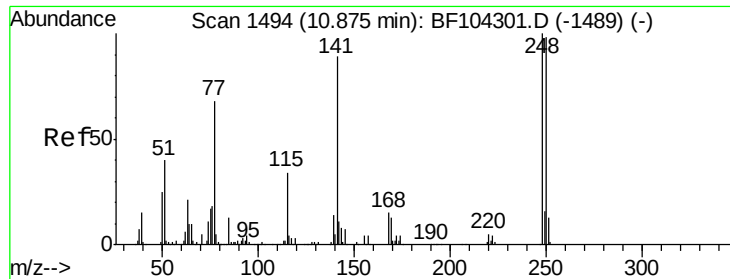
Tot Ion:188 Resp: 371893
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.53 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.18 min
Lab File: BF104940.D
Acq: 30 Apr 2018 18:34

Tgt Ion:198 Resp: 385
Ion Ratio Lower Upper
198 100
51 105.1 37.7 77.7#
105 134.9 36.3 76.3#

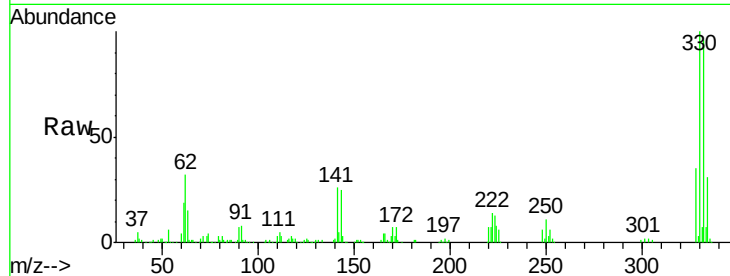




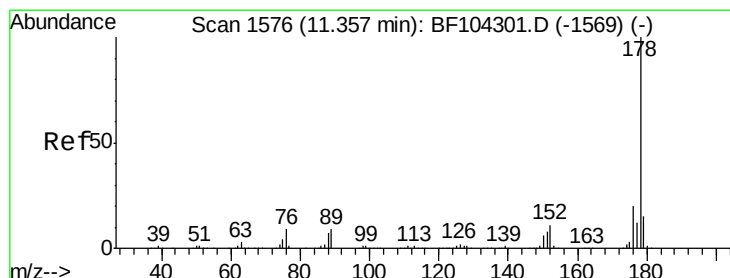
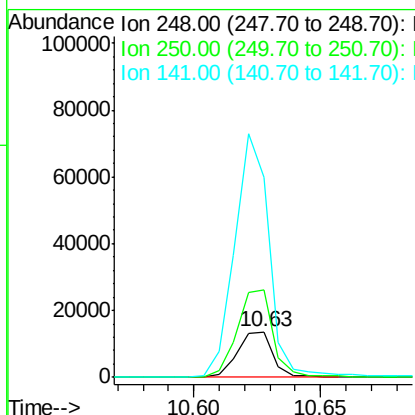
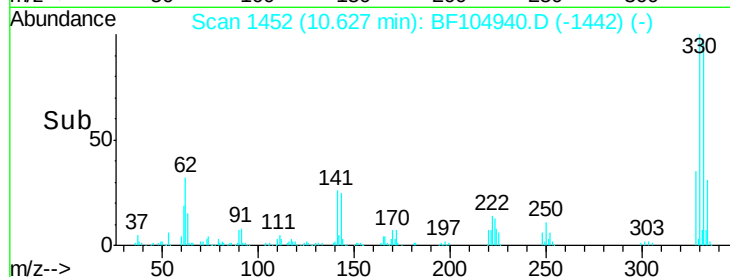
#66
 4-Bromophenyl-phenylether
 Concen: 3.34 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF104940.D
 Acq: 30 Apr 2018 18:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13217
 Ion Ratio Lower Upper
 248 100
 250 190.8 76.9 115.3#
 141 436.0 74.4 111.6#

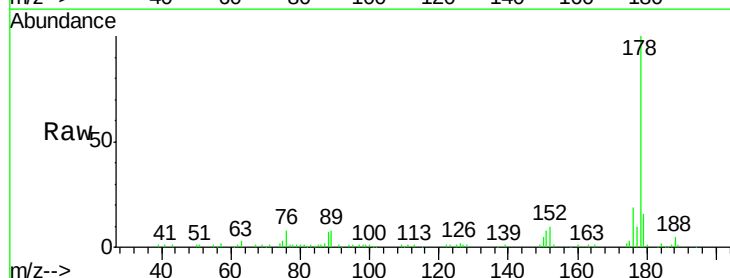


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

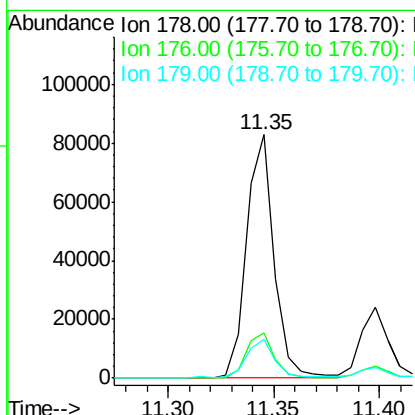
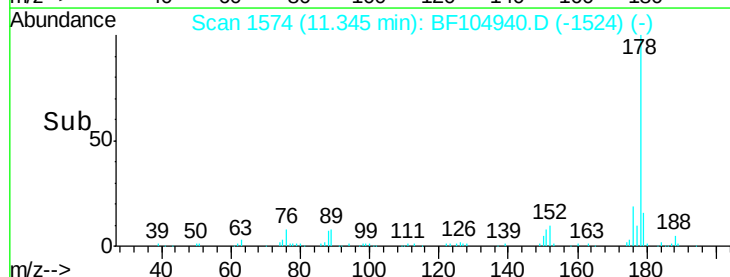


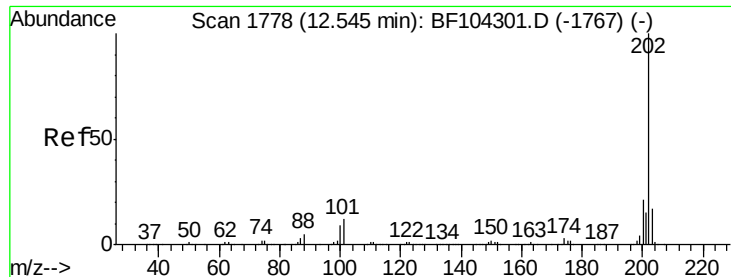
#70
 Phenanthrene
 Concen: 3.62 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF104940.D
 Acq: 30 Apr 2018 18:34

Tgt Ion:178 Resp: 74891
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.8 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: 3.45 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

Instrument :

BNA_F

ClientSampled :

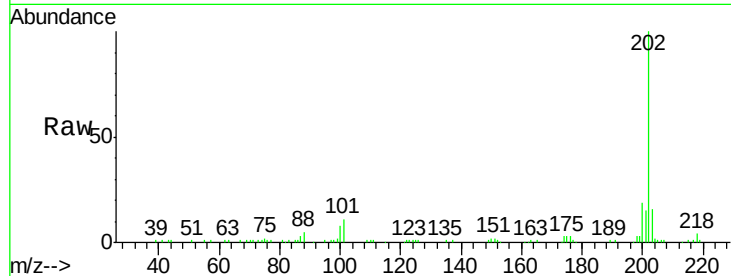
Tot Ion:202 Resp: 74546

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

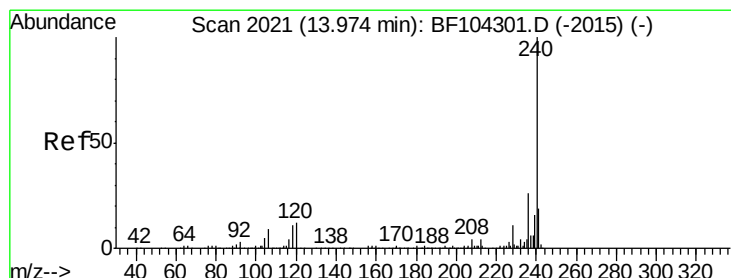
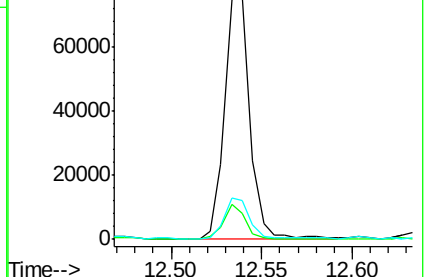
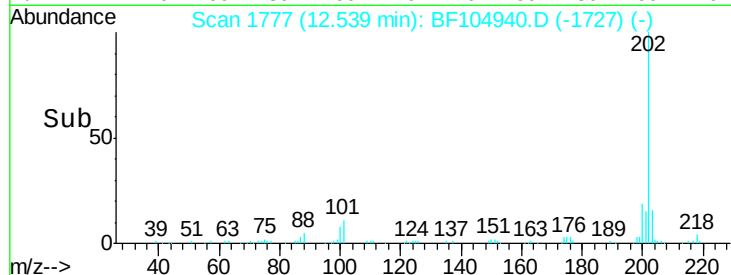
203 16.2 0.0 38.1



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: 20.00 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

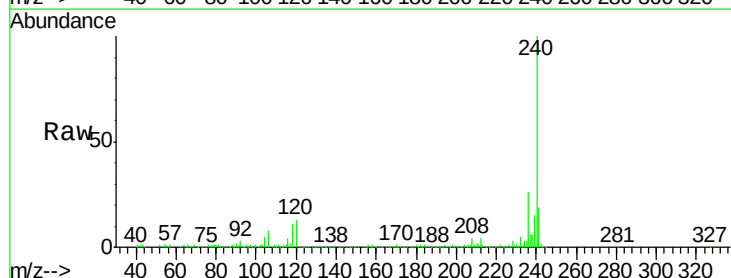
Tgt Ion:240 Resp: 244328

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

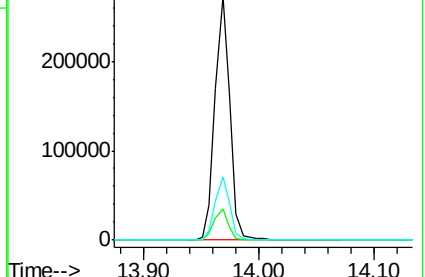
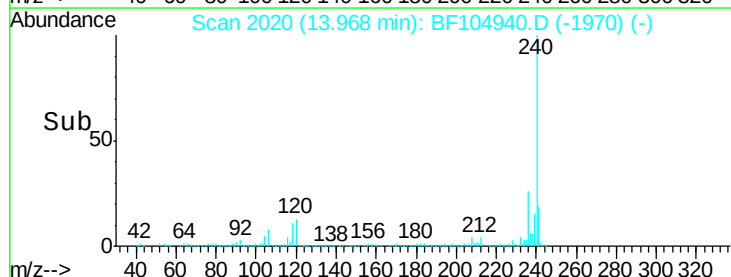
236 25.7 20.7 31.1

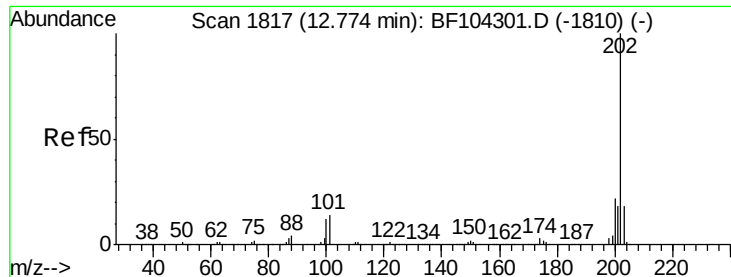


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.49 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

Instrument :

BNA_F

ClientSampled :

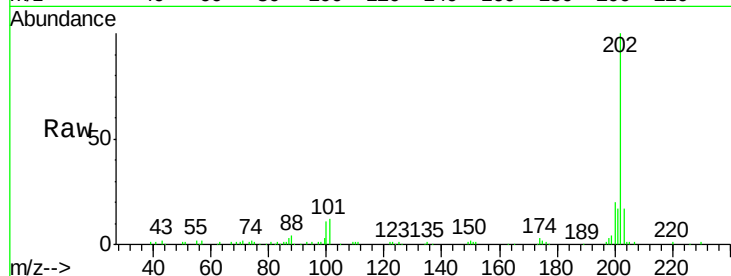
Tot Ion:202 Resp: 81231

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

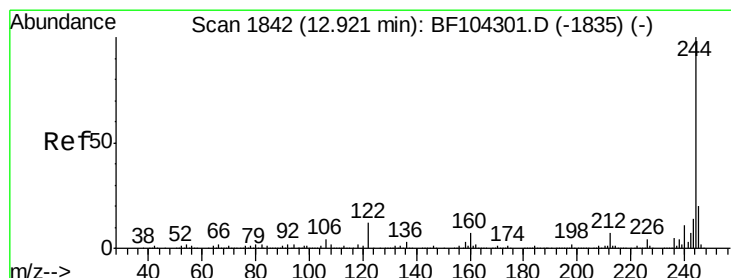
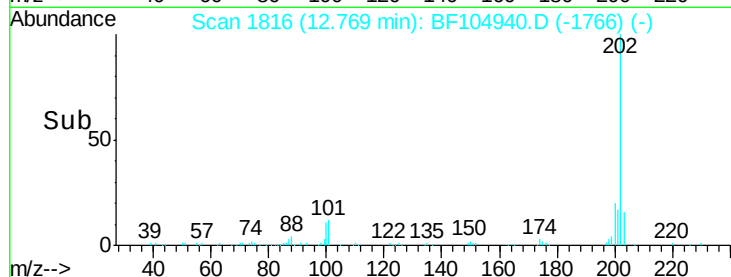
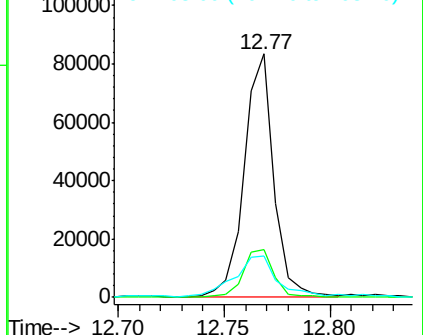
203 16.8 14.3 21.5



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: 68.24 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

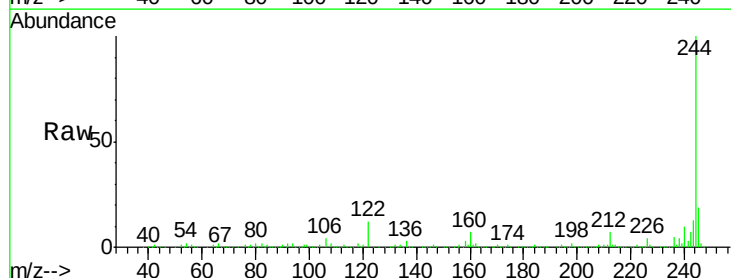
Tgt Ion:244 Resp: 731356

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

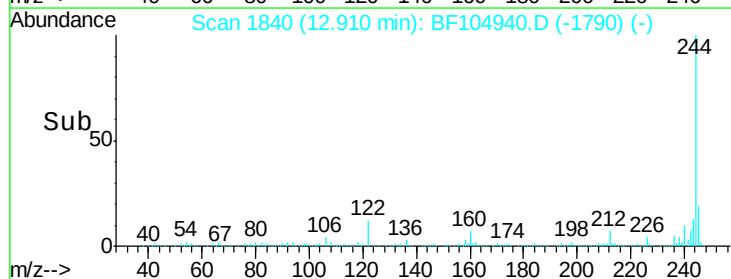
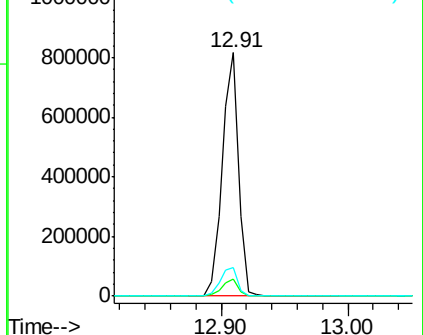
122 11.6 11.0 16.4

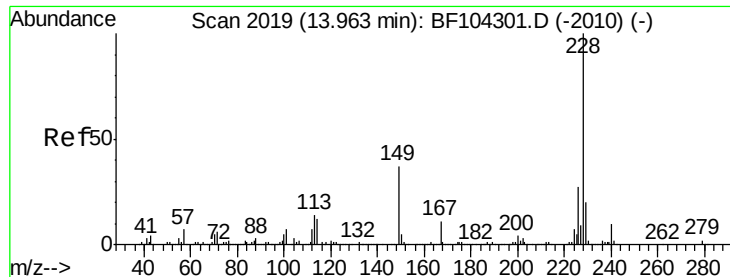


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.20 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF104940.D

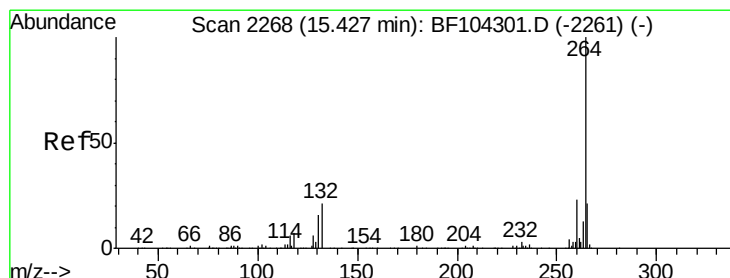
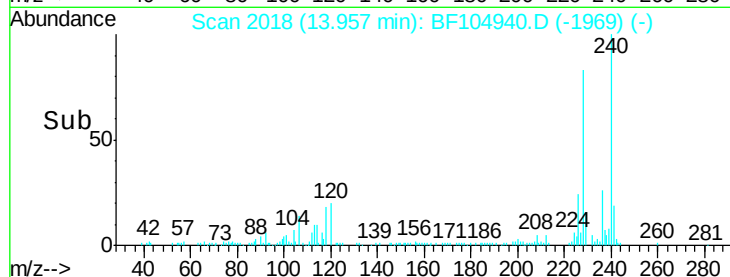
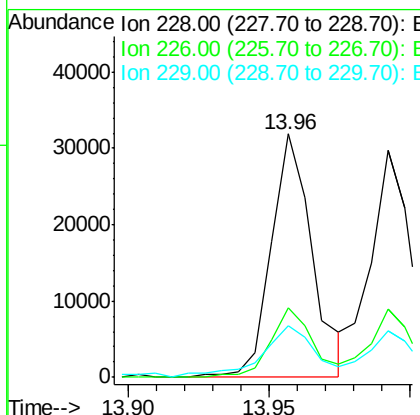
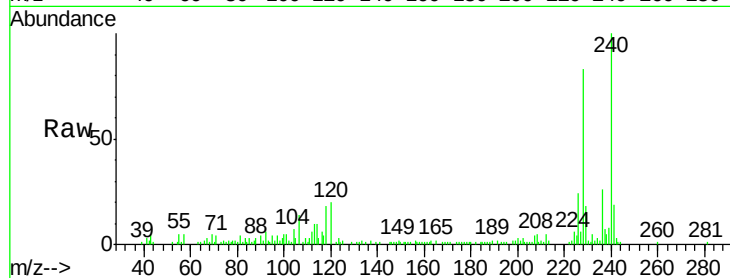
Acq: 30 Apr 2018 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	32151
Ion	Ratio	Lower Upper
228	100	
226	28.5	22.6 33.8
229	21.3	15.8 23.6



#86

Perylene-d12

Concen: 20.00 ng

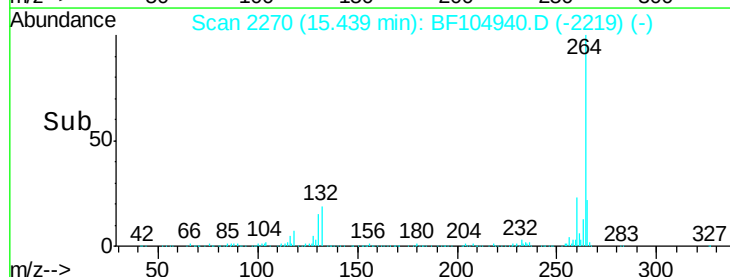
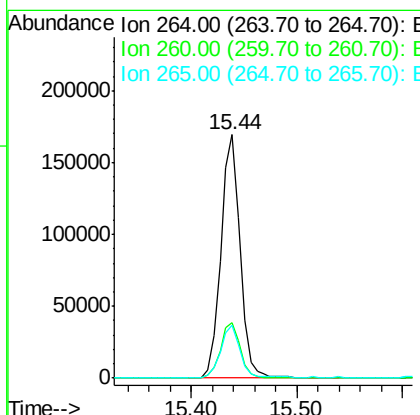
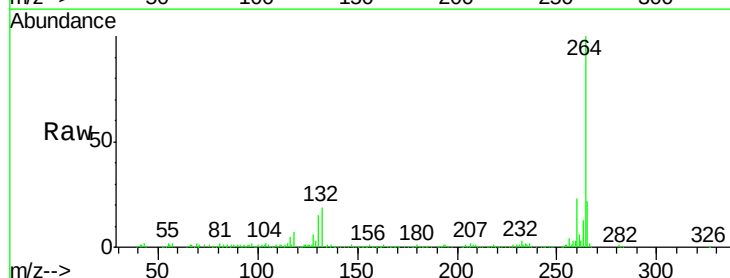
RT: 15.44 min Scan# 2270

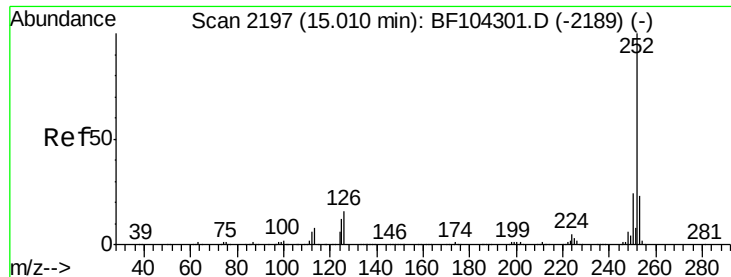
Delta R.T. 0.00 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

Tgt Ion:264	Resp:	215916
Ion	Ratio	Lower Upper
264	100	
260	23.0	19.2 28.8
265	21.9	17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.43 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

Instrument :

BNA_F

ClientSampleId :

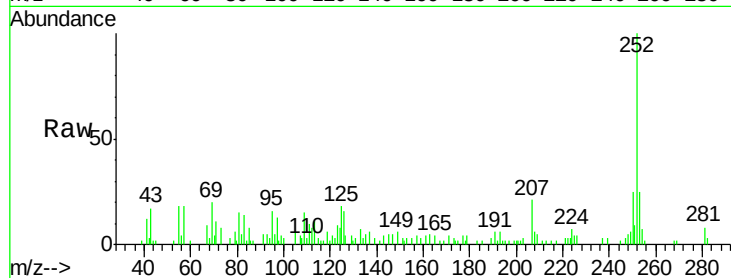
Tot Ion:252 Resp: 33188

Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.6

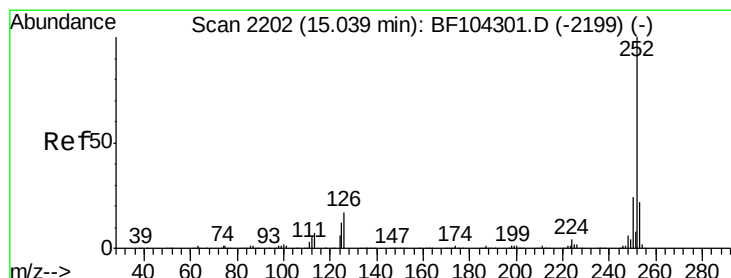
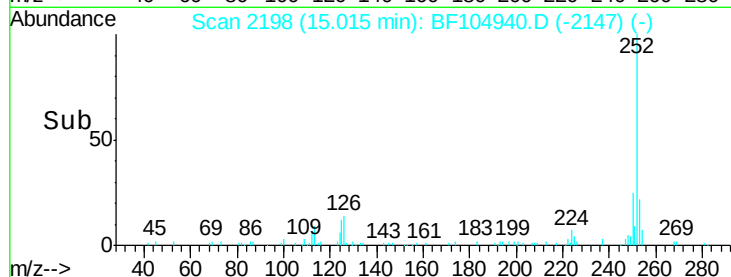
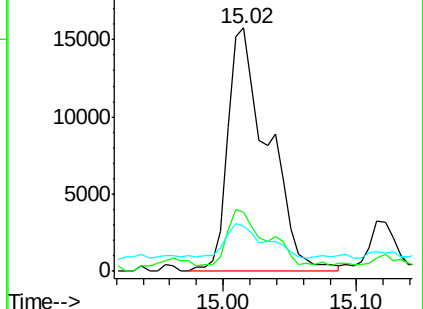
125 18.4 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.58 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.03 min

Lab File: BF104940.D

Acq: 30 Apr 2018 18:34

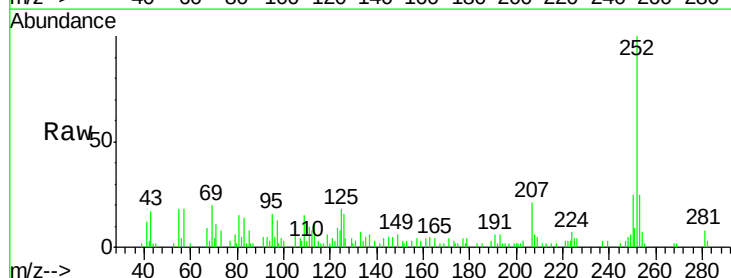
Tgt Ion:252 Resp: 33188

Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

125 18.4 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

