

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110588.D
 Acq On : 8 Nov 2018 16:51
 Operator : JU/SJ
 Sample : J5839-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 08:41:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 08 14:14:47 2018
 Response via : Initial Calibration

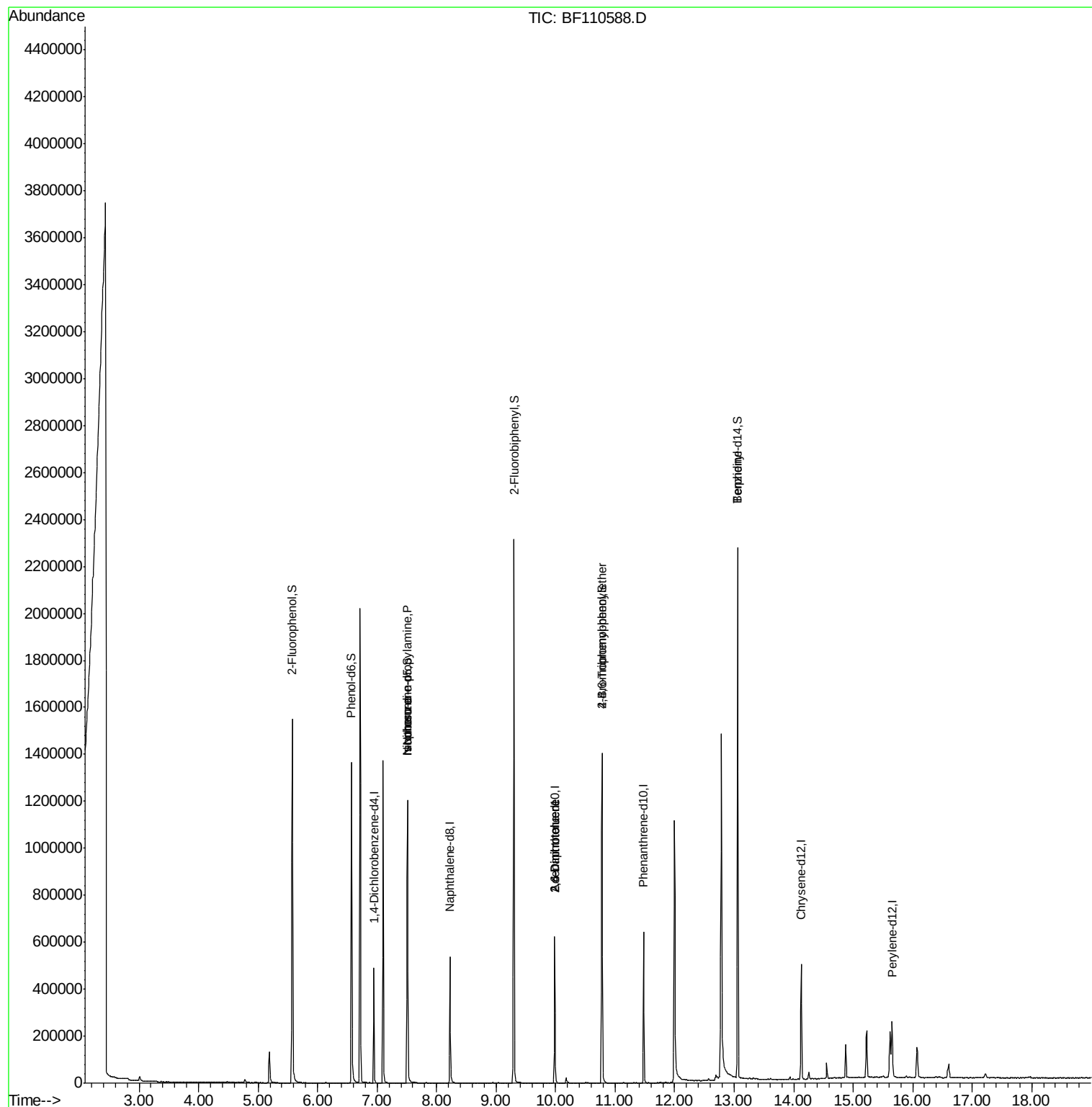
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	66381	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	271745	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	126190	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	244402	20.00	ng	0.00
76) Chrysene-d12	14.13	240	166290	20.00	ng	-0.01
87) Perylene-d12	15.65	264	128714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	434276	106.27	ng	0.01
7) Phenol-d6	6.57	99	490197	93.80	ng	0.00
23) Nitrobenzene-d5	7.51	82	382700	81.10	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	159354	125.33	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	721978	81.71	ng	0.00
79) Terphenyl-d14	13.06	244	722854	81.41	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	625	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.51	70	50007	14.99	ng	# 79
25) Isophorone	7.51	82	382698	49.48	ng	# 67
51) 2,6-Dinitrotoluene	9.99	165	16341	7.89	ng	# 21
57) 2,4-Dinitrotoluene	9.99	165	16341	6.07	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	9878	3.66	ng	# 1
77) Benizidine	13.06	184	9857	2.16	ng	# 94

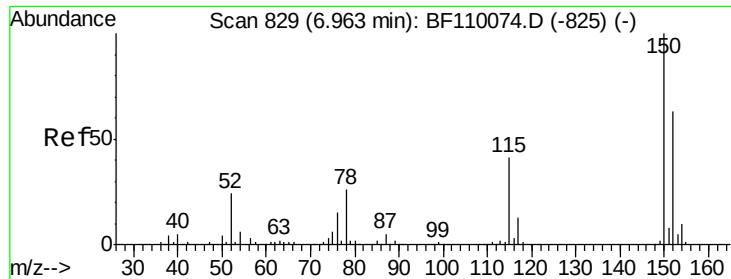
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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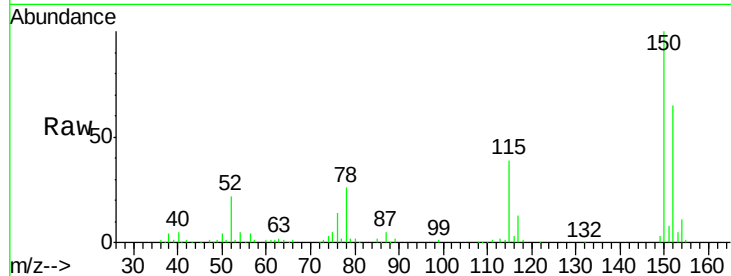


#1

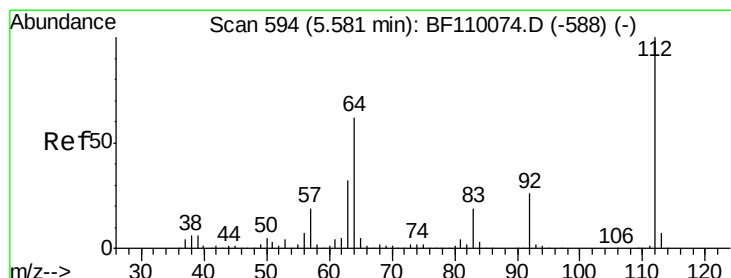
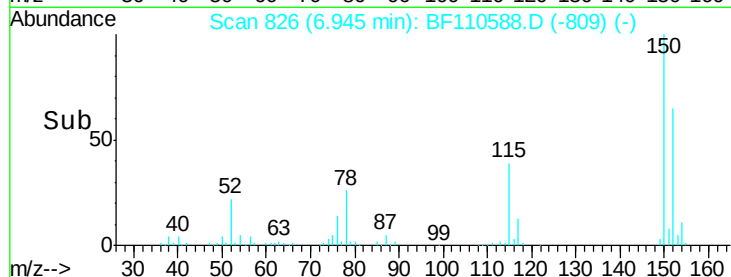
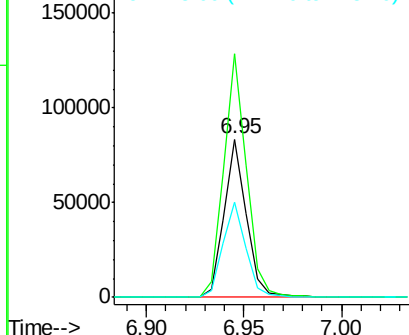
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF110588.D
Acq: 8 Nov 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66381
Ion Ratio Lower Upper
152 100
150 153.8 122.7 184.1
115 60.1 49.1 73.7



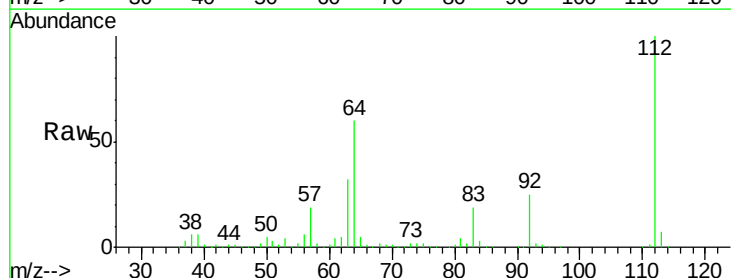
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



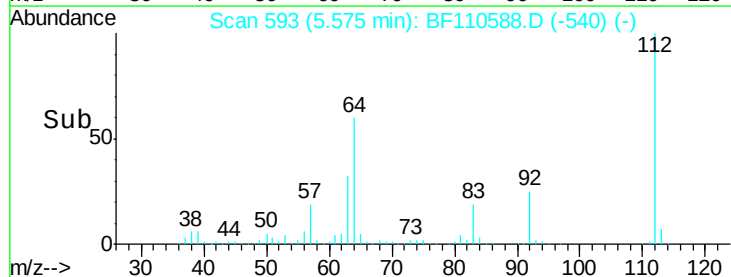
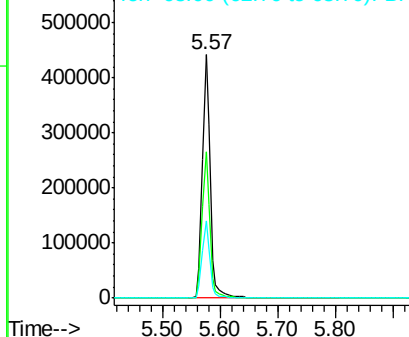
#5

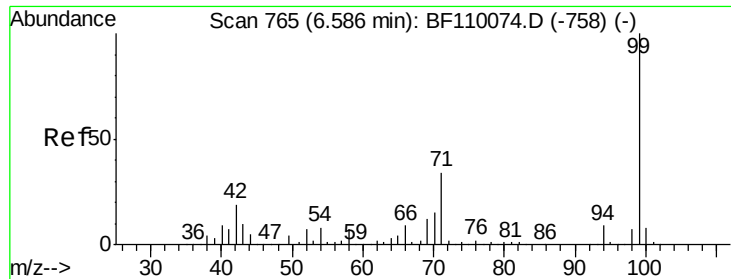
2-Fluorophenol
Concen: 106.27 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.01 min
Lab File: BF110588.D
Acq: 8 Nov 2018 16:51

Tgt Ion:112 Resp: 434276
Ion Ratio Lower Upper
112 100
64 60.0 44.1 66.1
63 31.6 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: 93.80 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Instrument :

BNA_F

ClientSampleId :

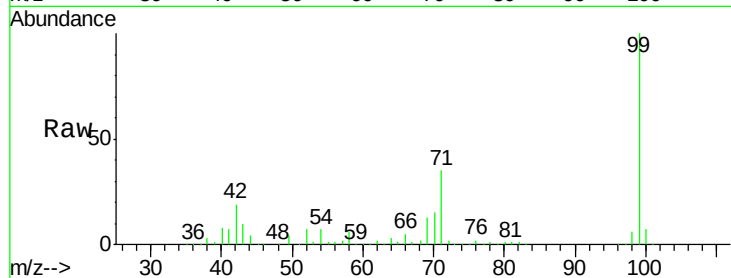
Tot Ion: 99 Resp: 490197

Ion Ratio Lower Upper

99 100

42 19.4 15.8 23.6

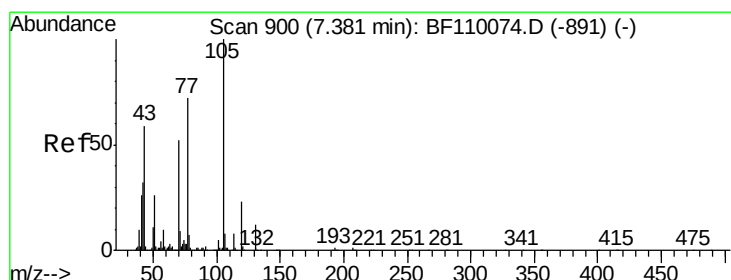
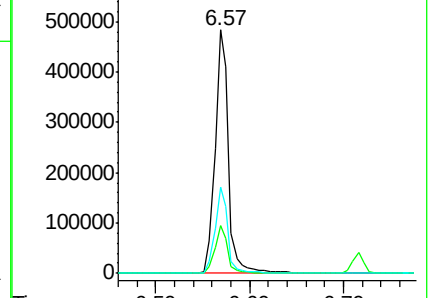
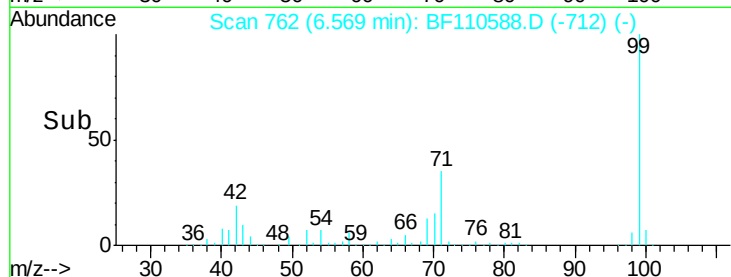
71 35.3 28.0 42.0



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: 14.99 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Tgt Ion: 70 Resp: 50007

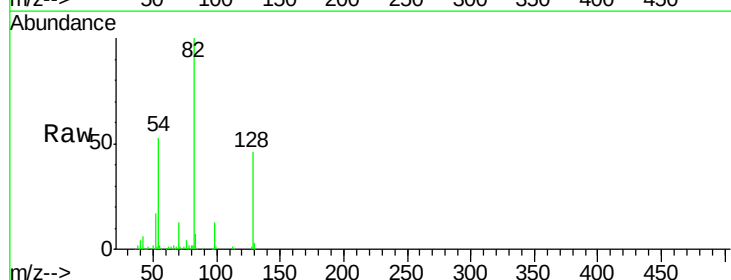
Ion Ratio Lower Upper

70 100

42 48.2 47.4 71.2

101 0.0 7.3 10.9#

130 2.2 16.2 24.2#

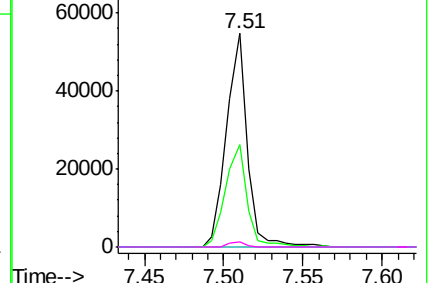
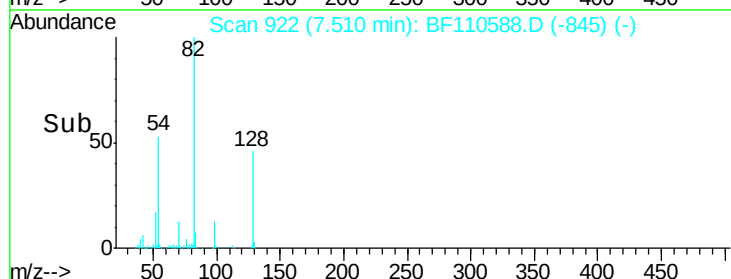


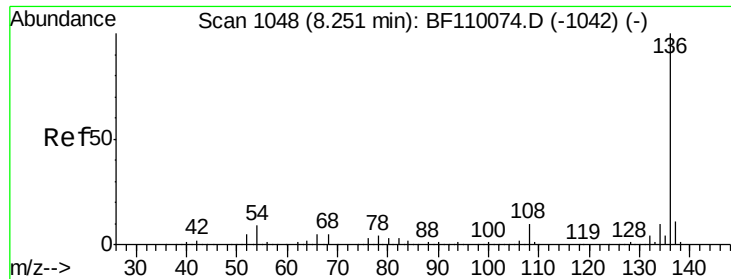
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

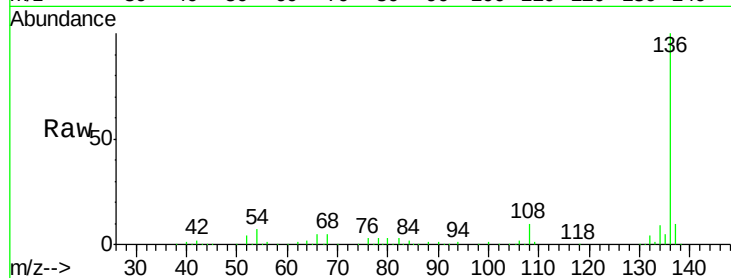




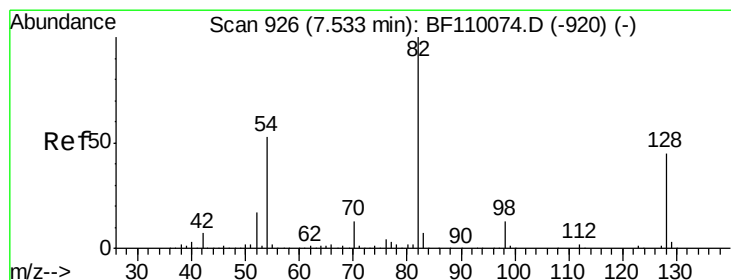
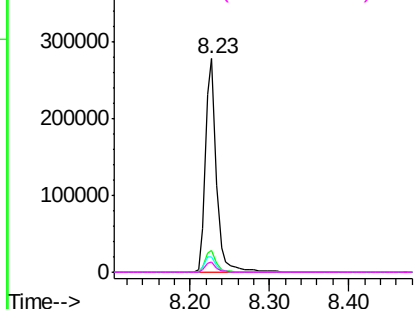
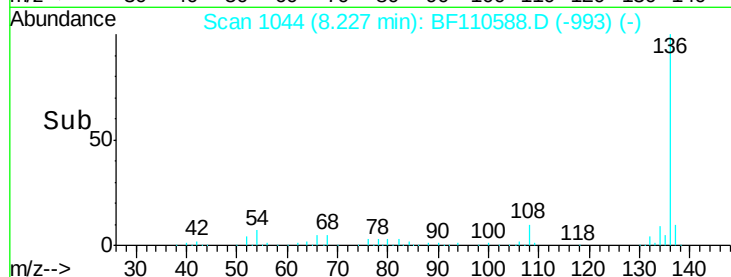
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF110588.D
Acq: 8 Nov 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	271745
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.8 13.2
54	7.2	5.4 8.2
68	5.0	4.2 6.2

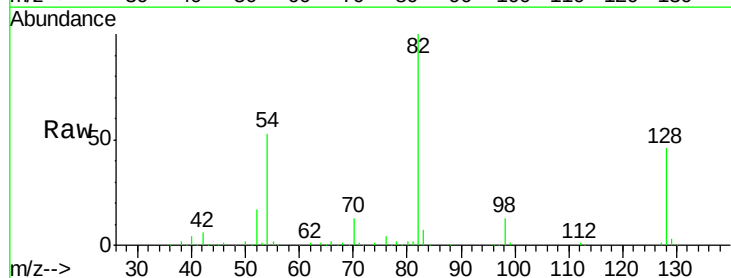


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

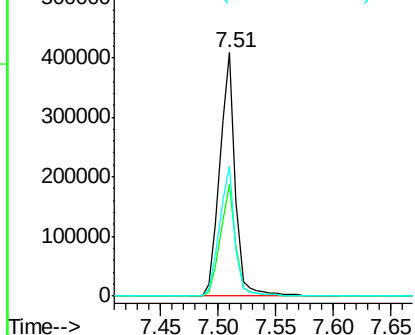
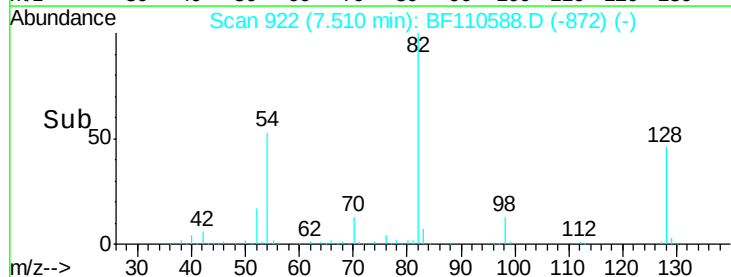


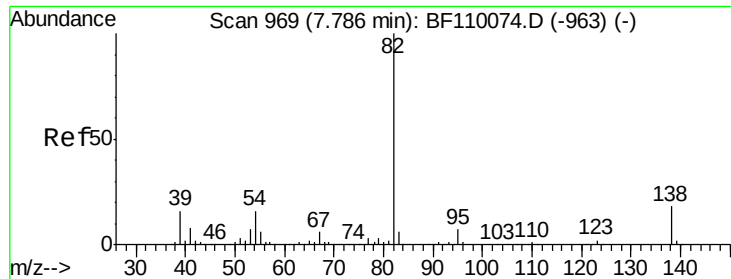
#23
Nitrobenzene-d5
Concen: 81.10 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110588.D
Acq: 8 Nov 2018 16:51

Tgt Ion: 82	Resp:	382700
Ion Ratio	Lower	Upper
82	100	
128	45.9	34.2 51.2
54	53.2	38.6 58.0



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: 49.48 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Instrument :

BNA_F

ClientSampled :

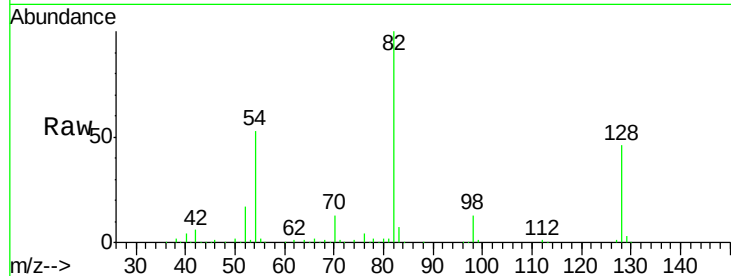
Tot Ion: 82 Resp: 382698

Ion Ratio Lower Upper

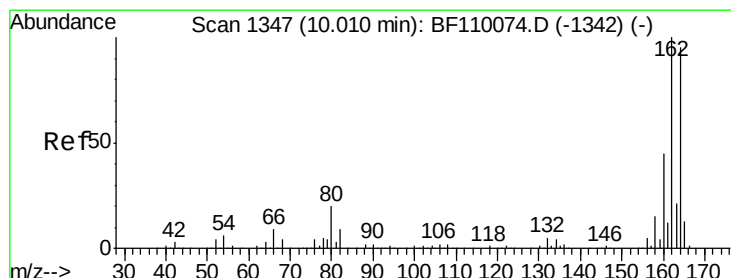
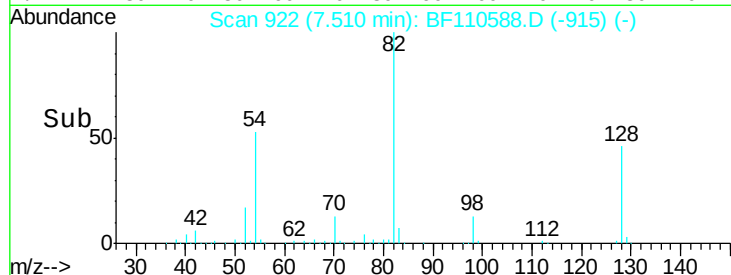
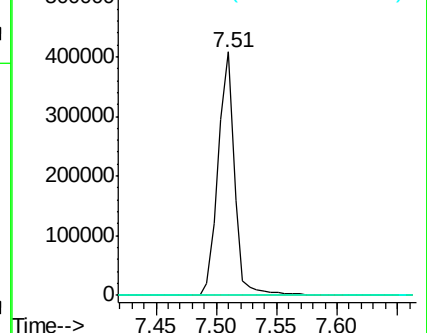
82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

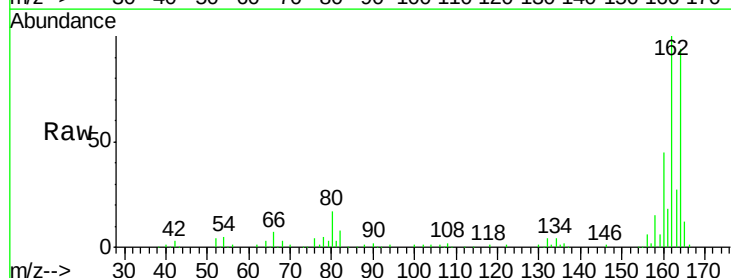
Tgt Ion: 164 Resp: 126190

Ion Ratio Lower Upper

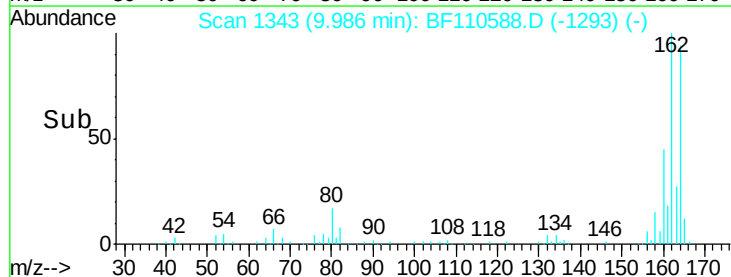
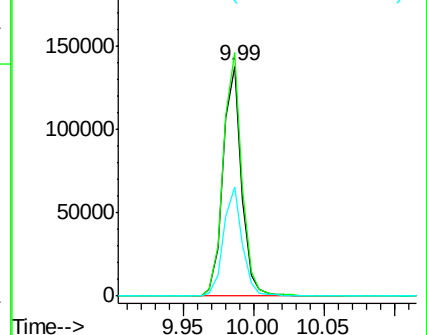
164 100

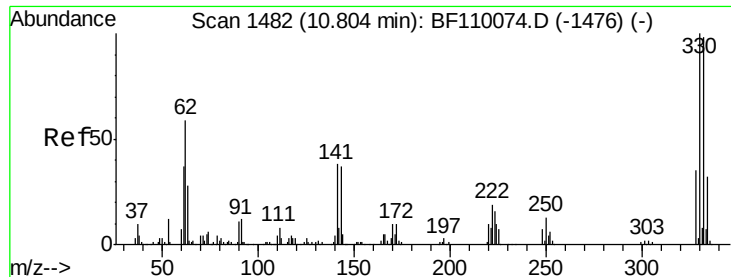
162 105.9 83.0 124.6

160 47.6 37.0 55.6



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





#42

2,4,6-Tribromophenol

Concen: 125.33 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Instrument :

BNA_F

ClientSampled :

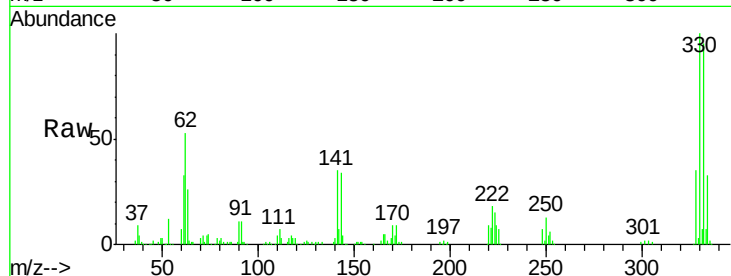
Tot Ion:330 Resp: 159354

Ion Ratio Lower Upper

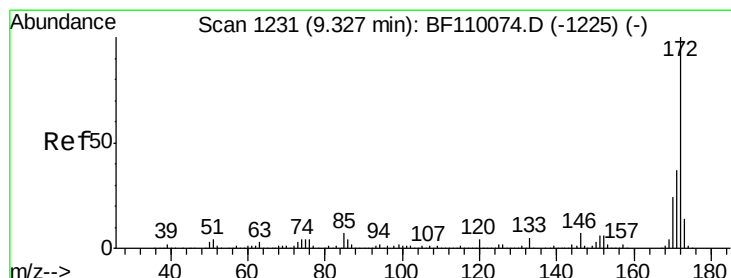
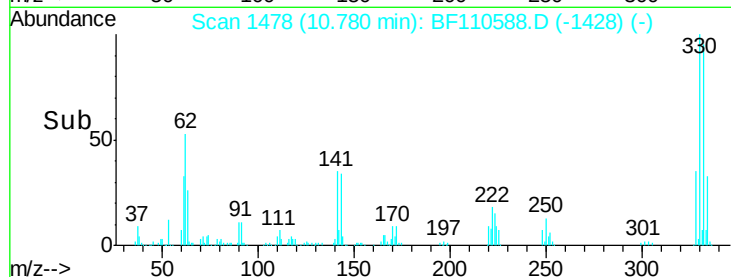
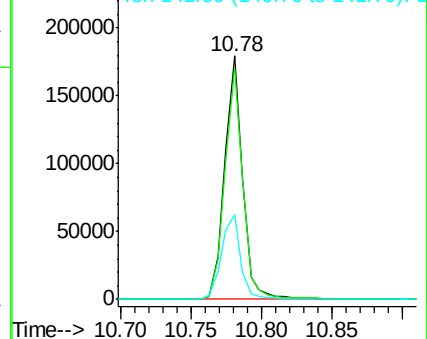
330 100

332 96.0 77.1 115.7

141 37.1 27.0 40.4



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



#45

2-Fluorobiphenyl

Concen: 81.71 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

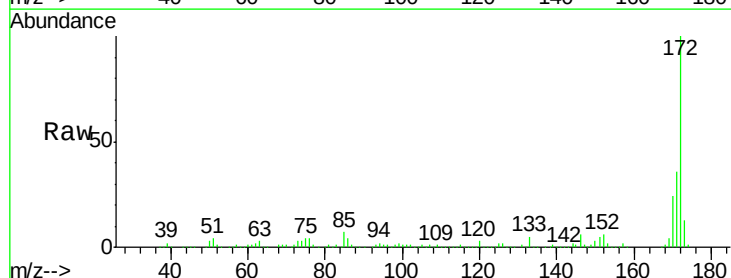
Tgt Ion:172 Resp: 721978

Ion Ratio Lower Upper

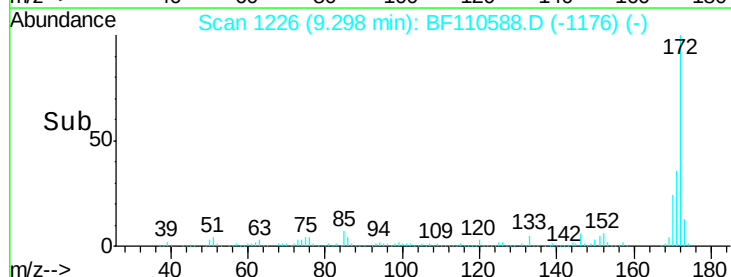
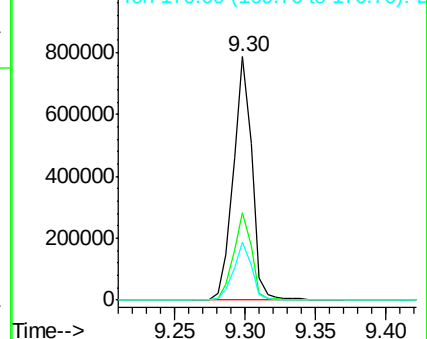
172 100

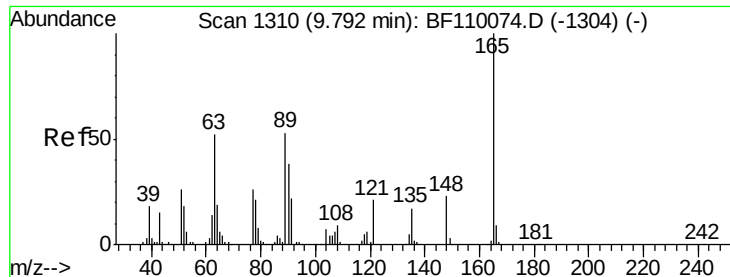
171 35.9 28.6 43.0

170 23.7 19.7 29.5



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





#51

2,6-Dinitrotoluene

Concen: 7.89 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.21 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Instrument :

BNA_F

ClientSampleId :

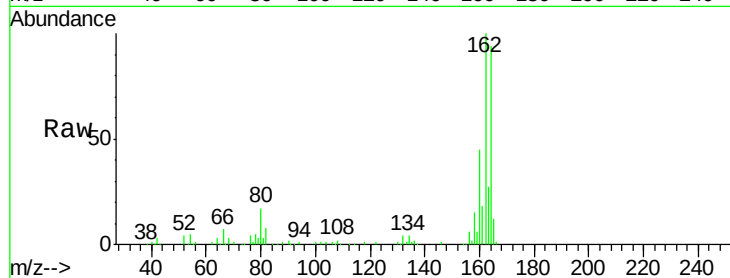
Tot Ion:165 Resp: 16341

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

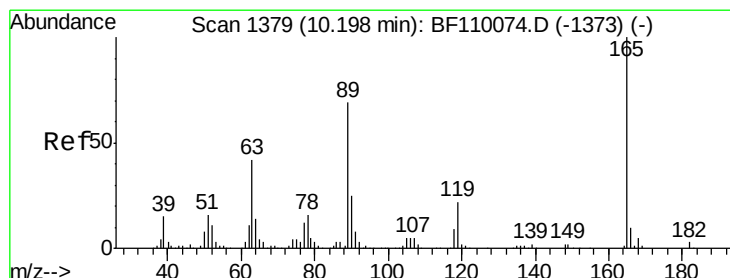
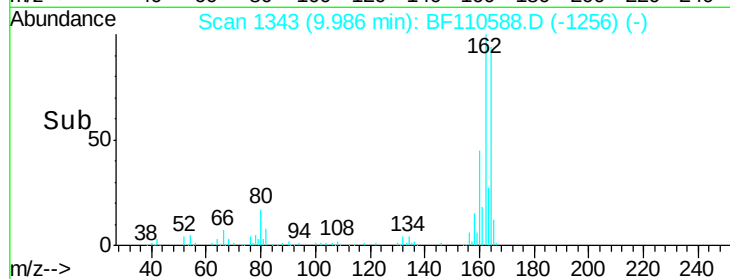
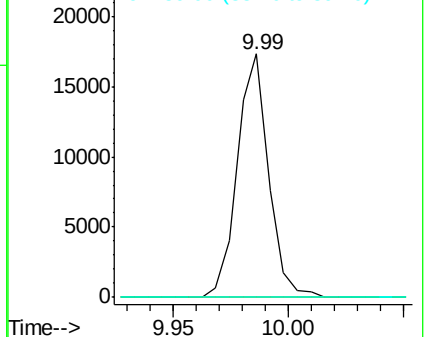
89 0.0 46.6 69.8#



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



#57

2,4-Dinitrotoluene

Concen: 6.07 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.20 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Tgt Ion:165 Resp: 16341

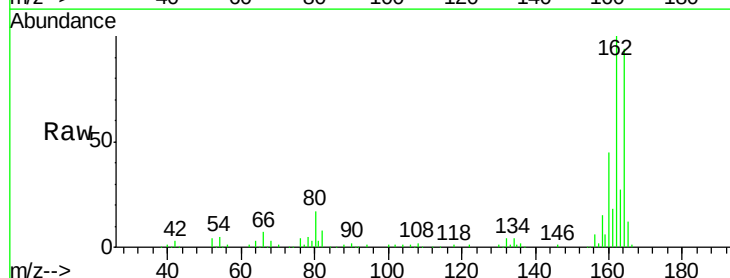
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

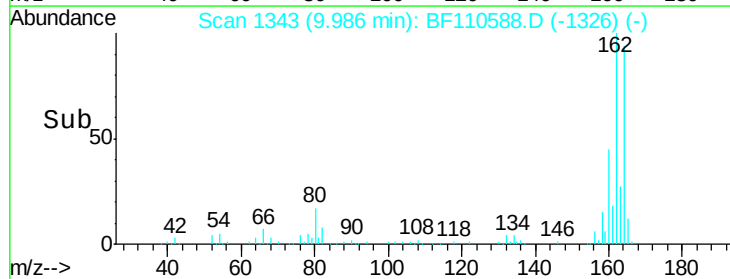
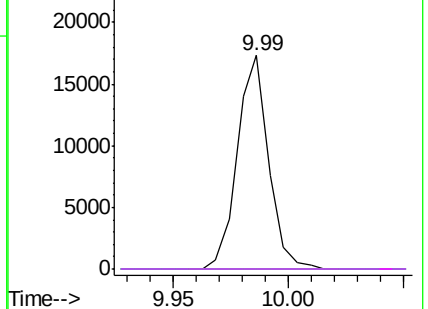


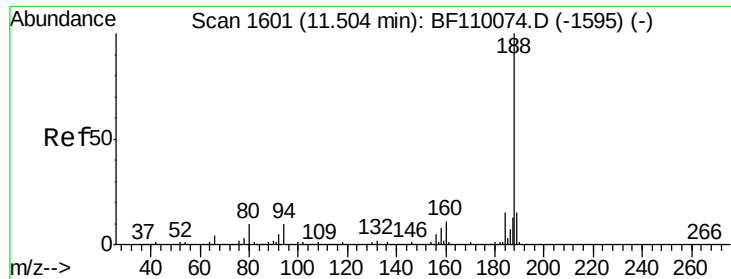
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Instrument :

BNA_F

ClientSampleId :

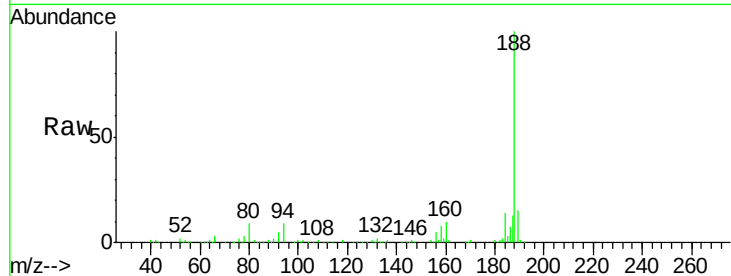
Tot Ion:188 Resp: 244402

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

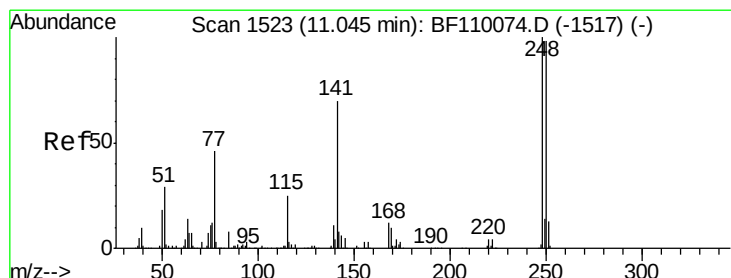
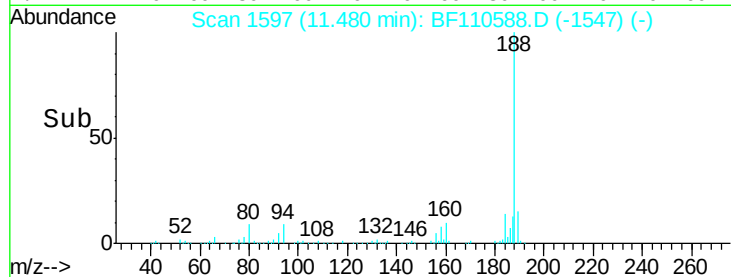
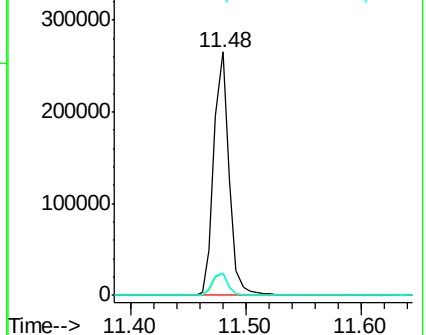
80 9.2 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 3.66 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.24 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

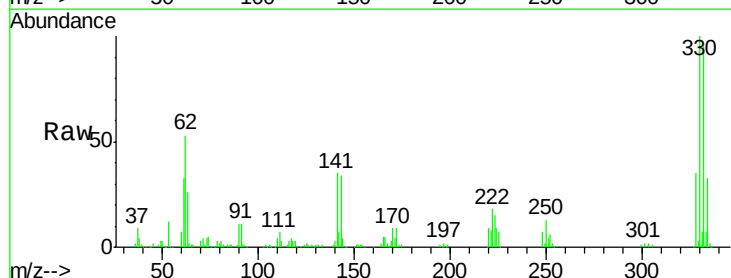
Tgt Ion:248 Resp: 9878

Ion Ratio Lower Upper

248 100

250 195.2 79.4 119.2#

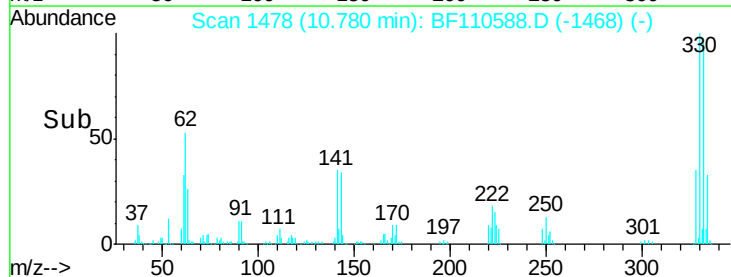
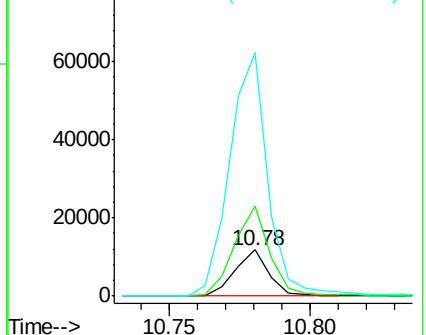
141 525.6 55.9 83.9#

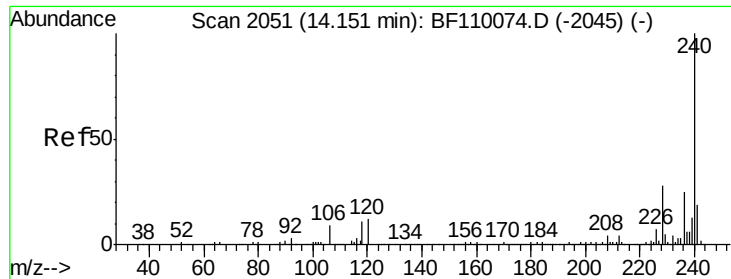


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

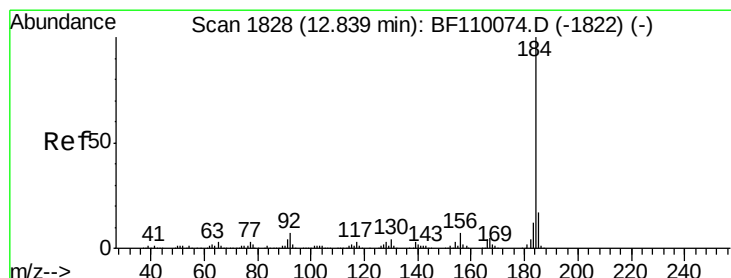
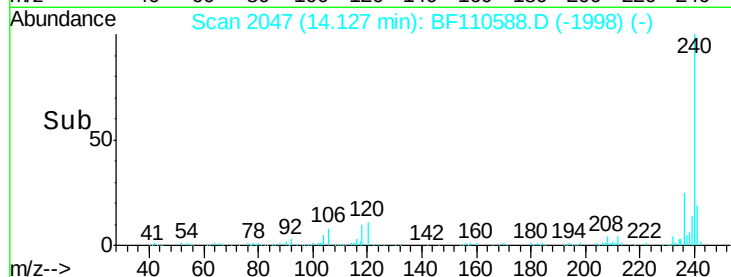
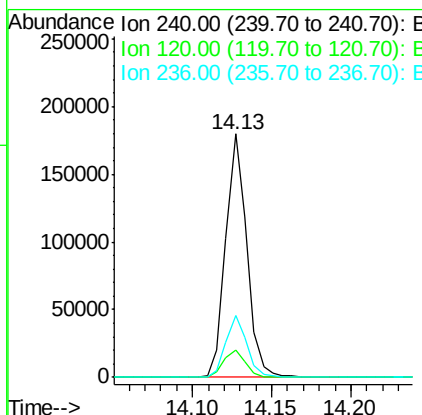
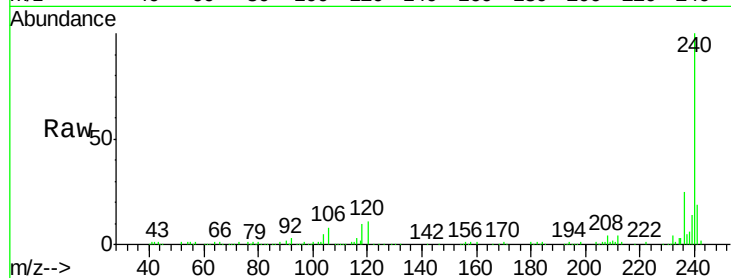




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110588.D
Acq: 8 Nov 2018 16:51

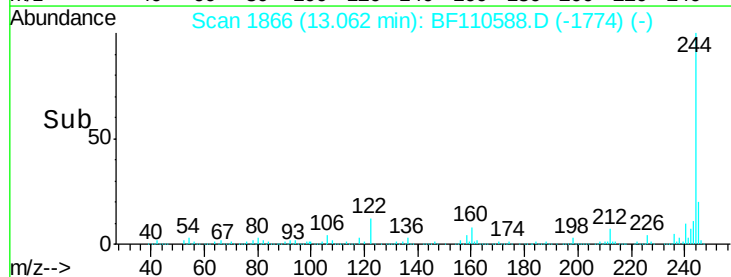
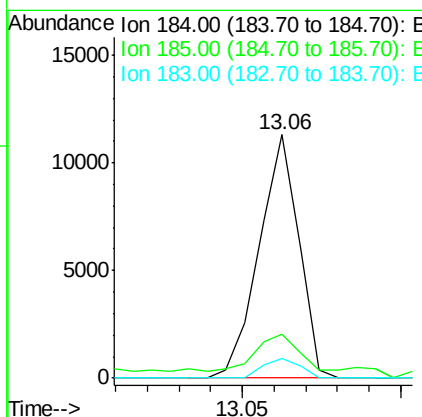
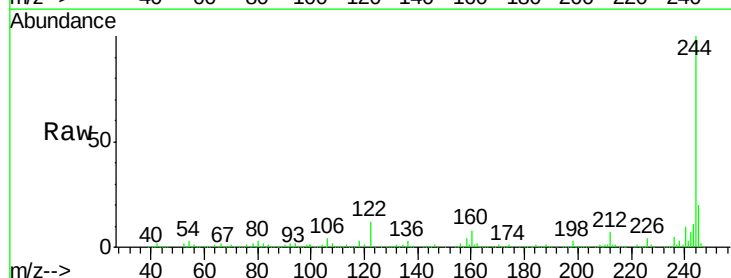
Instrument :
BNA_F
ClientSampleId :

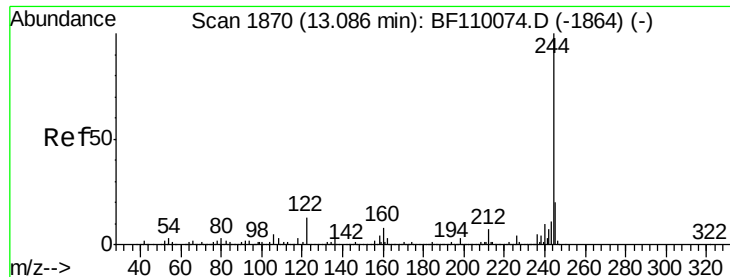
Tot Ion:240 Resp: 166290
Ion Ratio Lower Upper
240 100
120 11.4 8.3 12.5
236 25.2 21.2 31.8



#77
Benzidine
Concen: 2.16 ng
RT: 13.06 min Scan# 1866
Delta R.T. 0.24 min
Lab File: BF110588.D
Acq: 8 Nov 2018 16:51

Tgt Ion:184 Resp: 9857
Ion Ratio Lower Upper
184 100
185 18.1 13.4 20.2
183 7.9 9.4 14.2#





#79

Terphenyl-d14

Concen: 81.41 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Instrument :

BNA_F

ClientSampled :

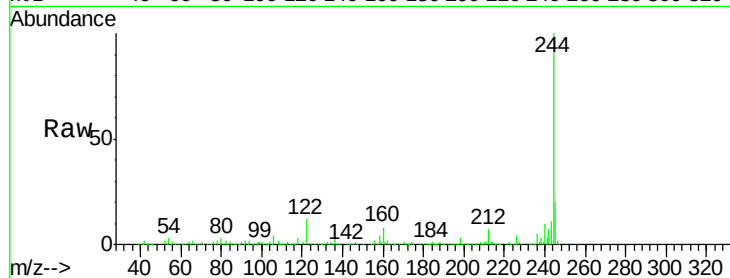
Tot Ion:244 Resp: 722854

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

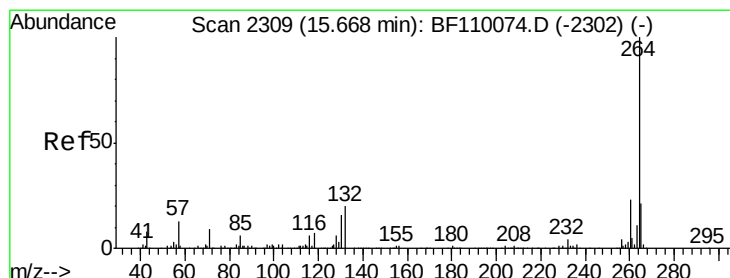
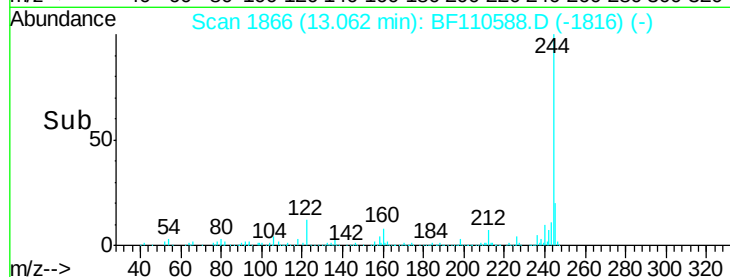
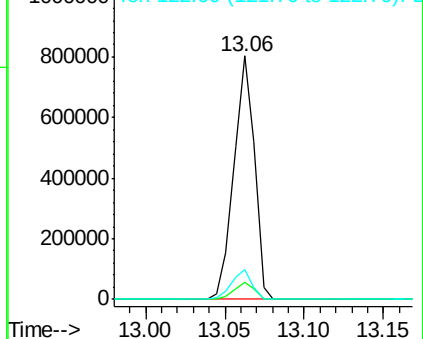
122 12.4 8.7 13.1



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



#87

Perylene-d12

Concen: 20.00 ng

RT: 15.65 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

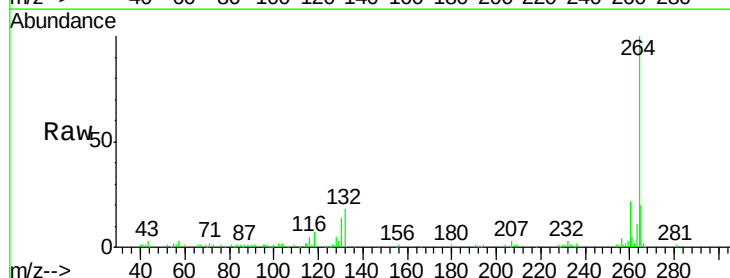
Tgt Ion:264 Resp: 128714

Ion Ratio Lower Upper

264 100

260 22.2 18.7 28.1

265 19.7 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

