

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110248.D
 Acq On : 27 Oct 2018 8:43
 Operator : JU/SJ
 Sample : PB114167BL
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 29 03:46:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

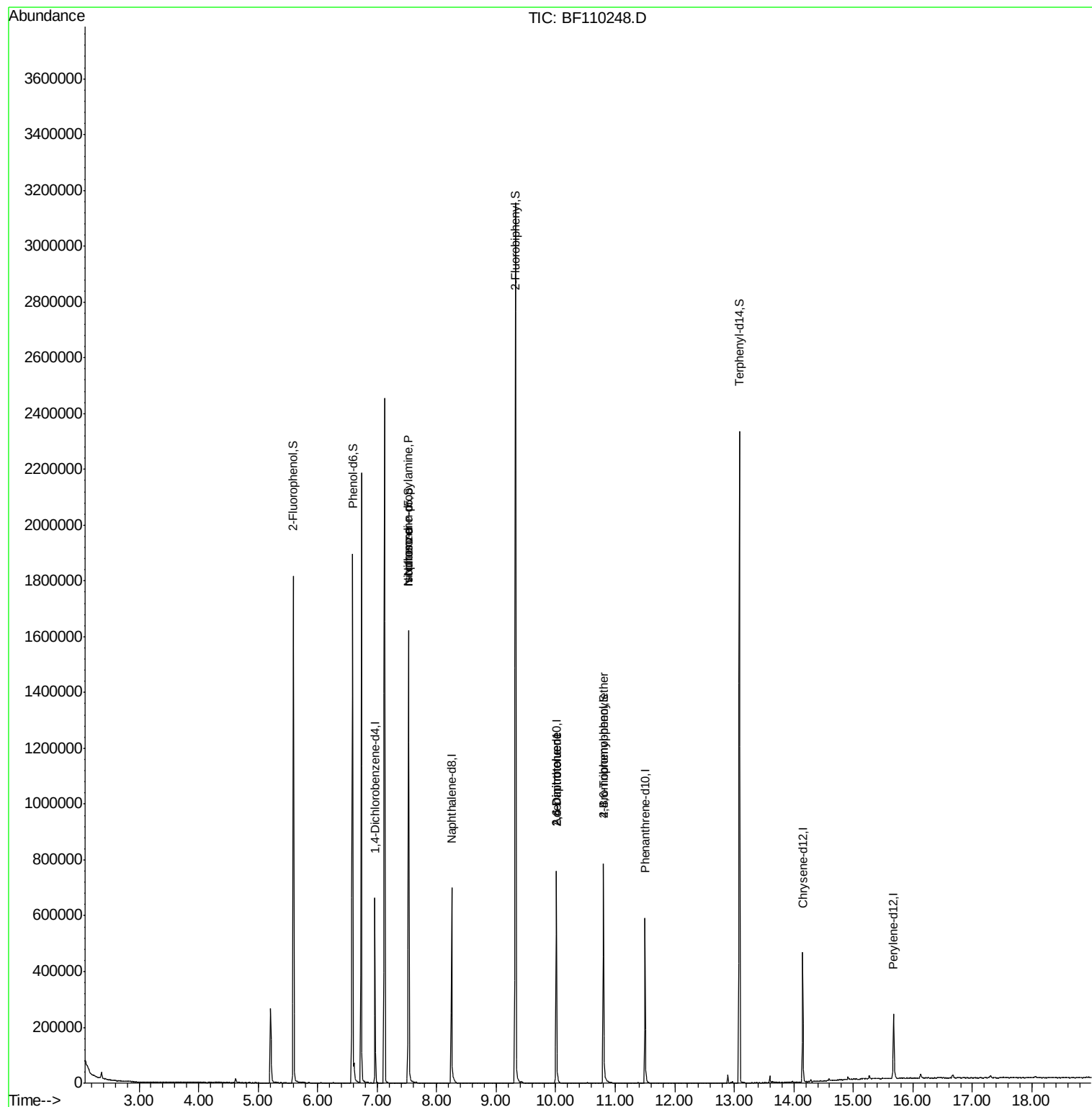
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	95730	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	384437	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	155964	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	246387	20.00	ng	-0.02
76) Chrysene-d12	14.15	240	172619	20.00	ng	-0.01
87) Perylene-d12	15.67	264	115152	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	521441	88.70	ng	0.00
7) Phenol-d6	6.59	99	630835	83.90	ng	-0.02
23) Nitrobenzene-d5	7.53	82	575707	88.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	102978	66.66	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1052516	105.97	ng	-0.02
79) Terphenyl-d14	13.09	244	728109	87.72	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	74705	15.487	ng	# 79
25) Isophorone	7.53	82	573363	51.896	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	20428	8.237	ng	# 22
57) 2,4-Dinitrotoluene	10.01	165	20428	6.485	ng	# 18
67) 4-Bromophenyl-phenylether	10.80	248	6028	2.255	ng	# 1

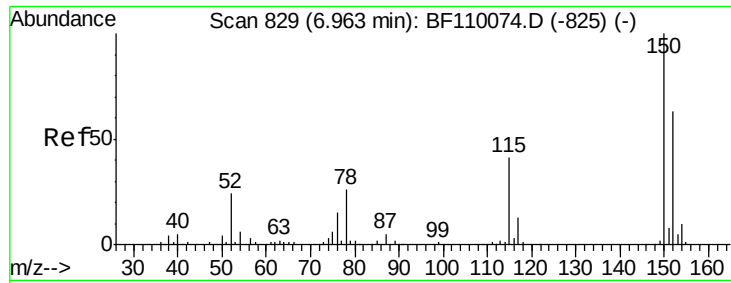
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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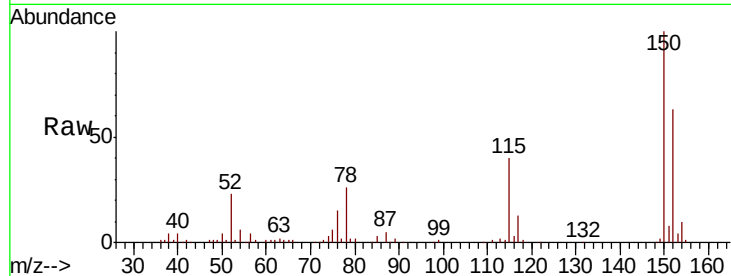


#1

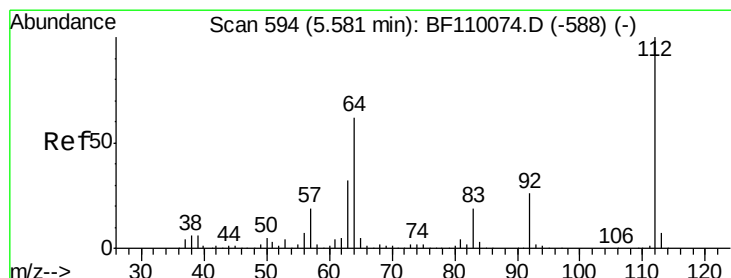
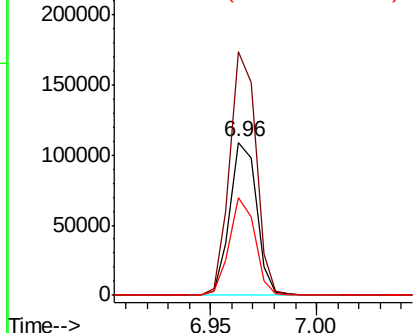
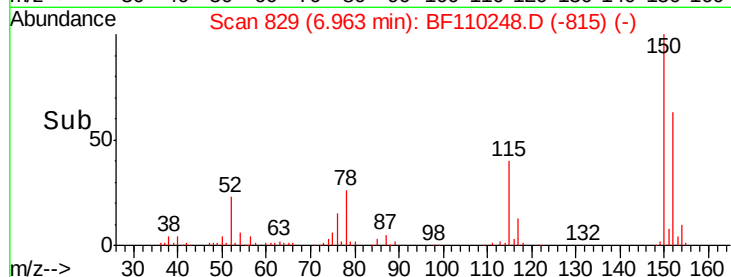
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110248.D
Acq: 27 Oct 2018 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95730
Ion Ratio Lower Upper
152 100
150 159.3 122.7 184.1
115 63.9 49.1 73.7



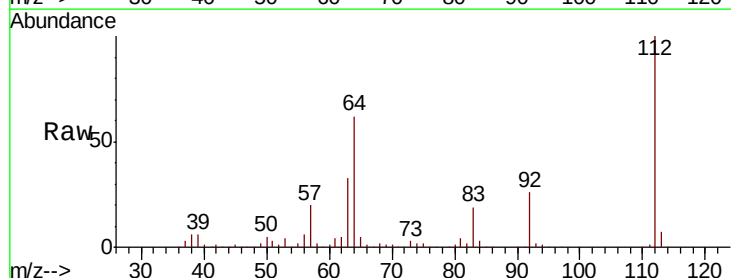
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



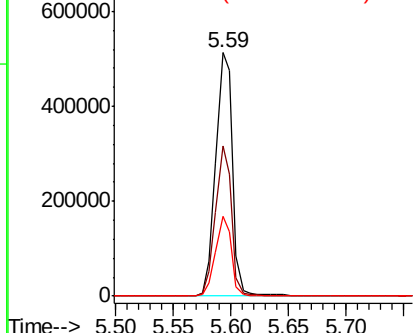
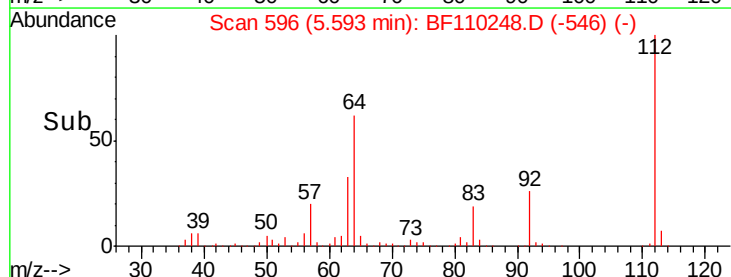
#5

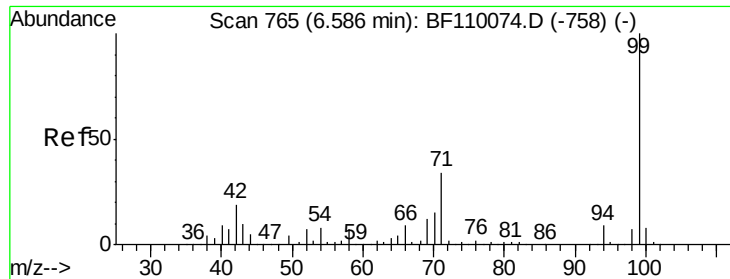
2-Fluorophenol
Concen: 88.702 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110248.D
Acq: 27 Oct 2018 8:43

Tgt Ion:112 Resp: 521441
Ion Ratio Lower Upper
112 100
64 61.8 44.1 66.1
63 32.9 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: 83.897 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110248.D

Acq: 27 Oct 2018 8:43

Instrument :

BNA_F

ClientSampleId :

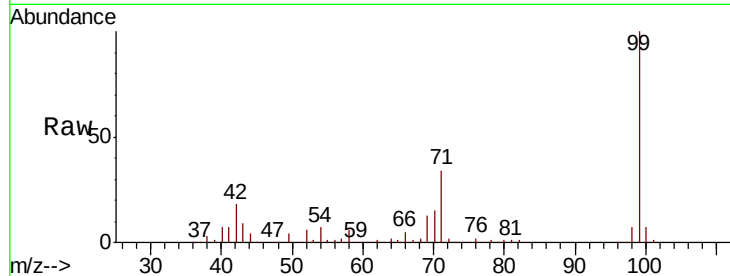
Tot Ion: 99 Resp: 630835

Ion Ratio Lower Upper

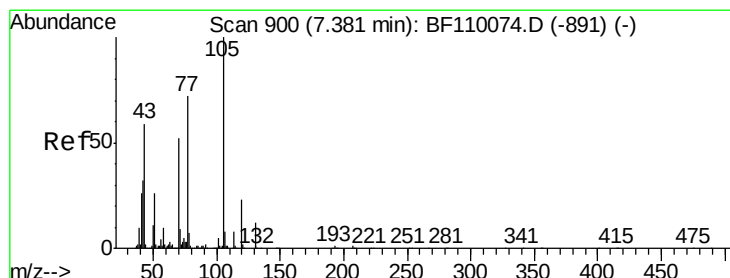
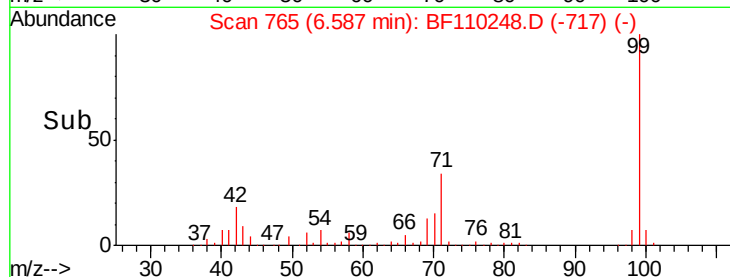
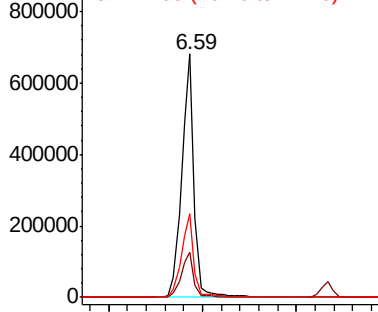
99 100

42 18.4 15.8 23.6

71 34.3 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: 15.487 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.14 min

Lab File: BF110248.D

Acq: 27 Oct 2018 8:43

Tgt Ion: 70 Resp: 74705

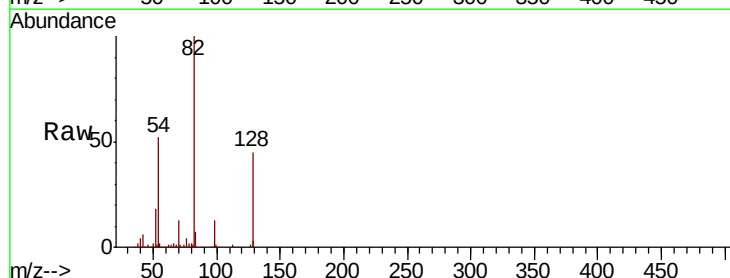
Ion Ratio Lower Upper

70 100

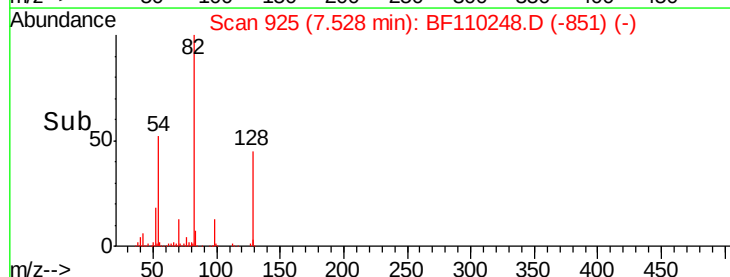
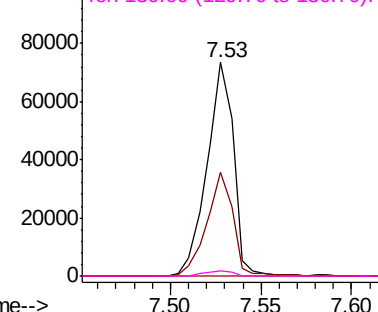
42 48.5 47.4 71.2

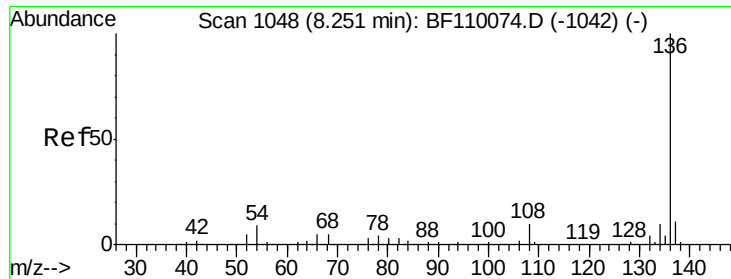
101 0.0 7.3 10.9#

130 2.3 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: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110248.D

Acq: 27 Oct 2018 8:43

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 384437

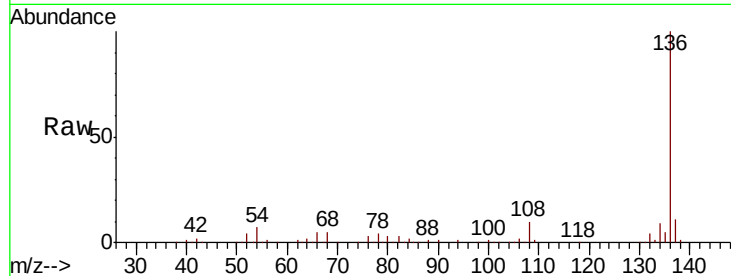
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.1 5.4 8.2

68 5.1 4.2 6.2

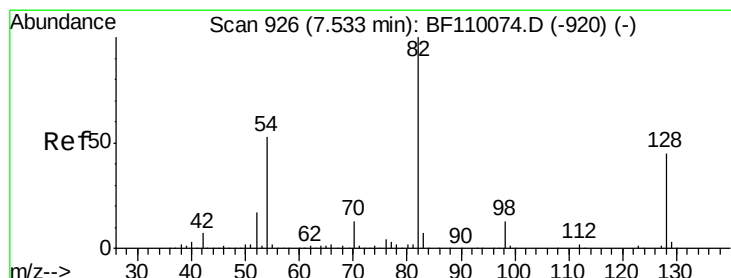
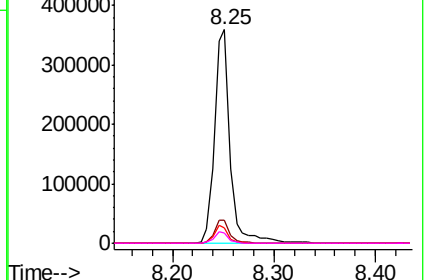
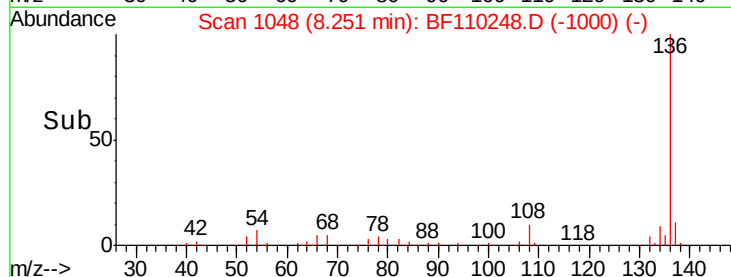


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.823 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF110248.D

Acq: 27 Oct 2018 8:43

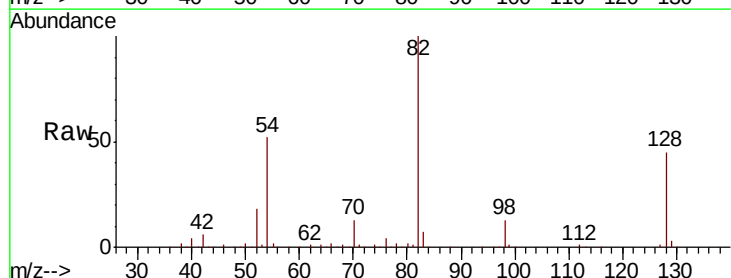
Tgt Ion: 82 Resp: 575707

Ion Ratio Lower Upper

82 100

128 45.1 34.2 51.2

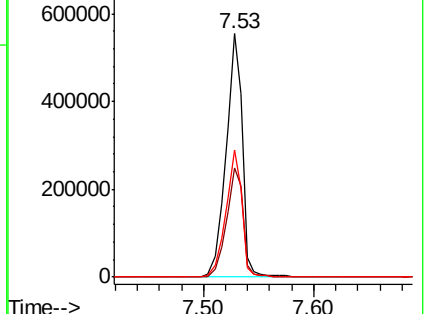
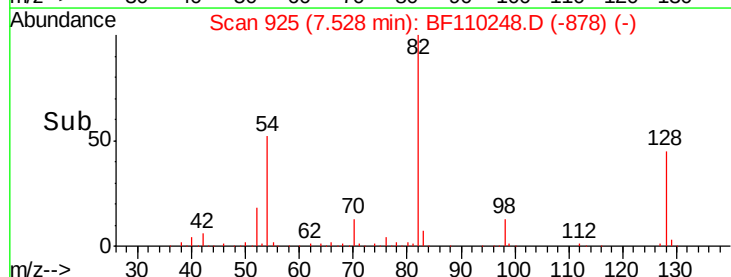
54 52.4 38.6 58.0

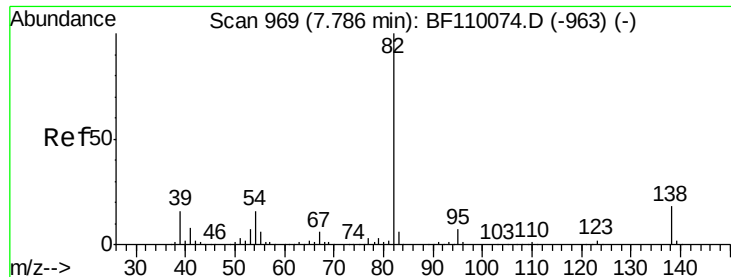


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.896 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.28 min

Lab File: BF110248.D

Acq: 27 Oct 2018 8:43

Instrument :

BNA_F

ClientSampleId :

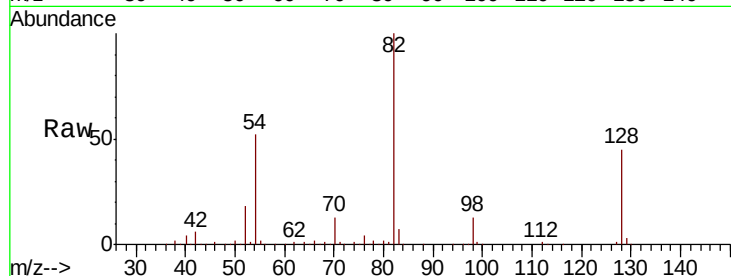
Tot Ion: 82 Resp: 573363

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

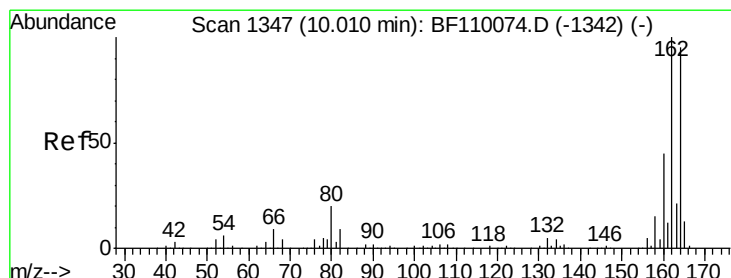
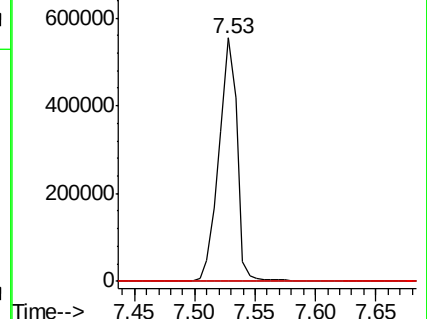
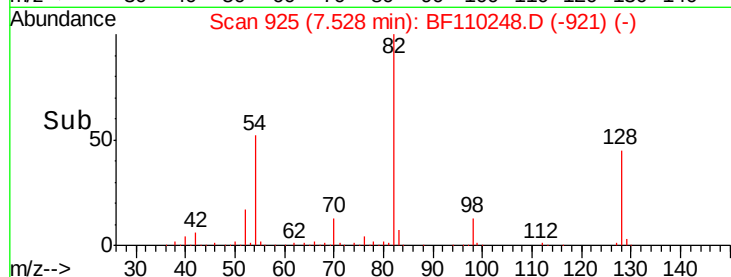
138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF110074.D (-963) (-)

Ion 95.00 (94.70 to 95.70): BF110074.D (-963) (-)

Ion 138.00 (137.70 to 138.70): BF110074.D (-963) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110248.D

Acq: 27 Oct 2018 8:43

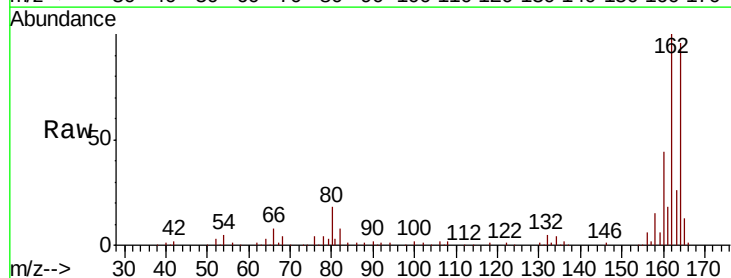
Tgt Ion: 164 Resp: 155964

Ion Ratio Lower Upper

164 100

162 104.0 83.0 124.6

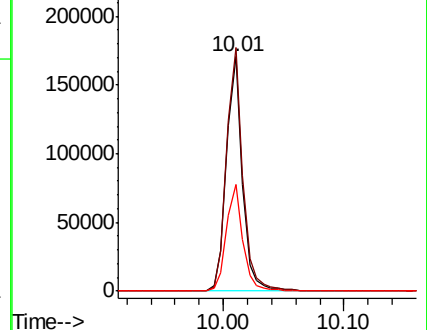
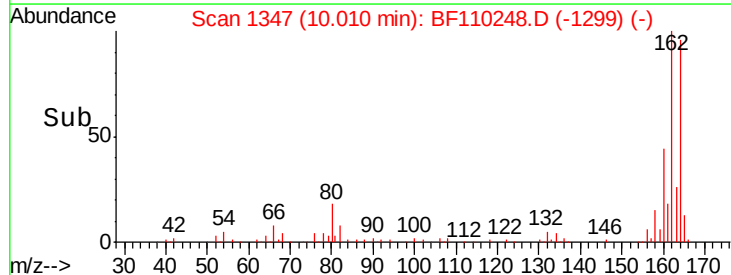
160 45.8 37.0 55.6

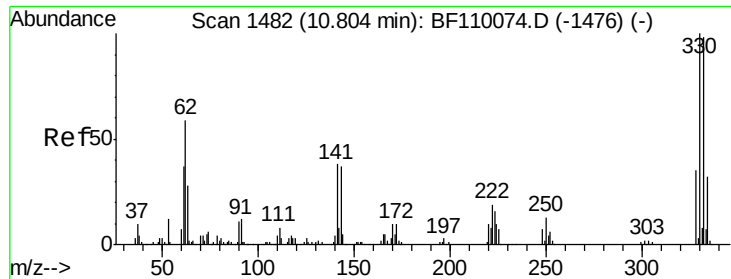


Abundance Ion 164.00 (163.70 to 164.70): BF110074.D (-1342) (-)

Ion 162.00 (161.70 to 162.70): BF110074.D (-1342) (-)

Ion 160.00 (159.70 to 160.70): BF110074.D (-1342) (-)

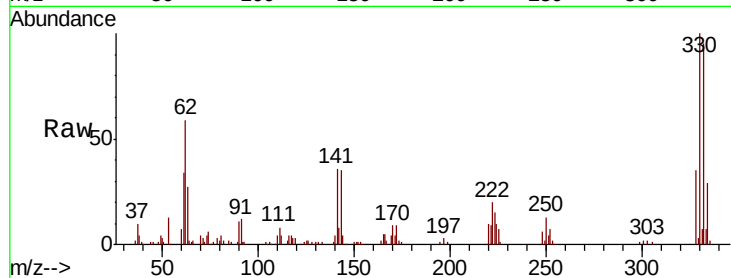




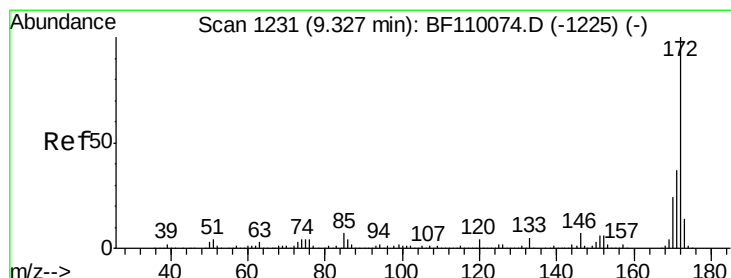
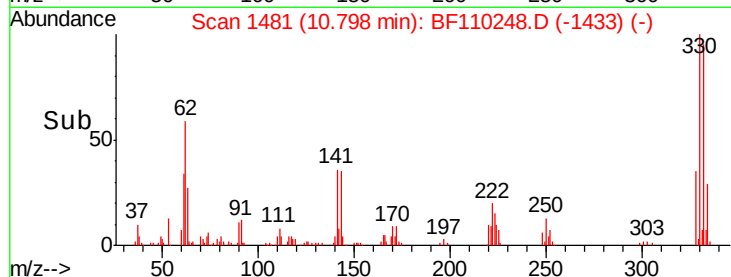
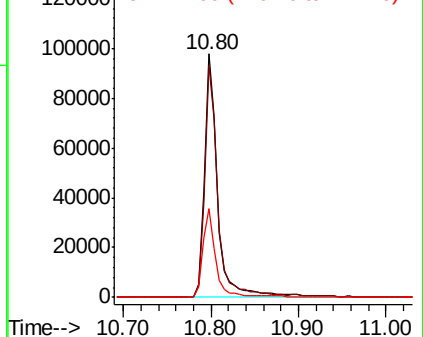
#42
 2,4,6-Tribromophenol
 Concen: 66.656 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110248.D
 Acq: 27 Oct 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 102978
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.1 115.7
 141 35.6 27.0 40.4

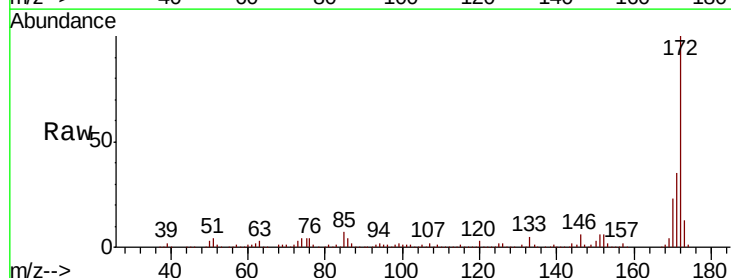


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

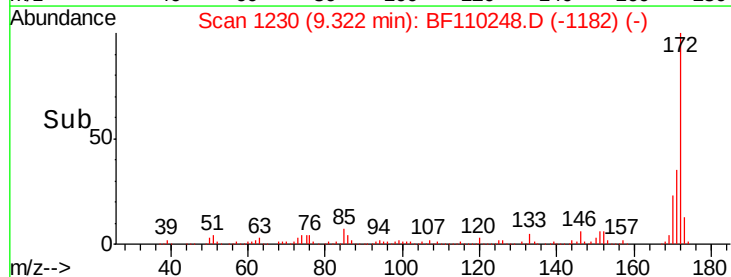
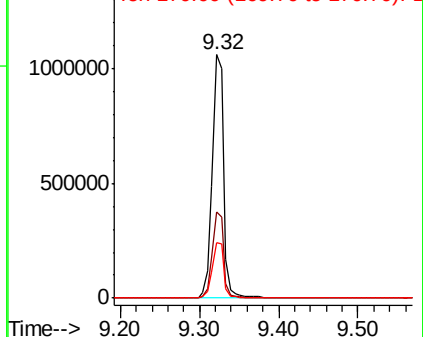


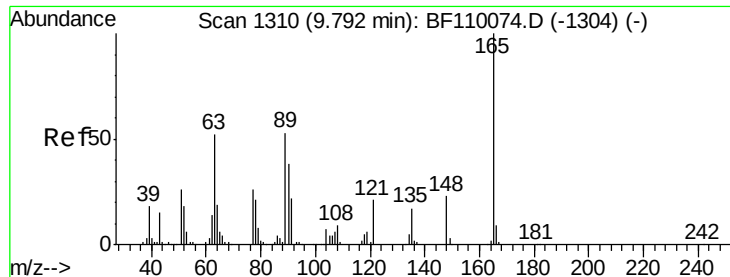
#45
 2-Fluorobiphenyl
 Concen: 105.968 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110248.D
 Acq: 27 Oct 2018 8:43

Tgt Ion:172 Resp: 1052516
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.0 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: 8.237 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110248.D

Acq: 27 Oct 2018 8:43

Instrument :

BNA_F

ClientSampleId :

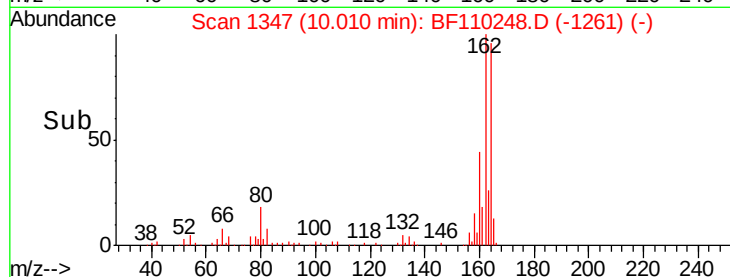
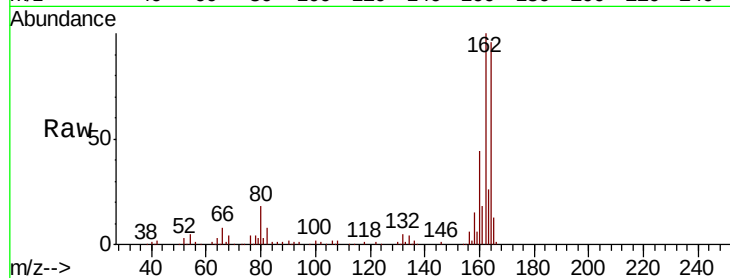
Tot Ion:165 Resp: 20428

Ion Ratio Lower Upper

165 100

63 1.6 48.9 73.3#

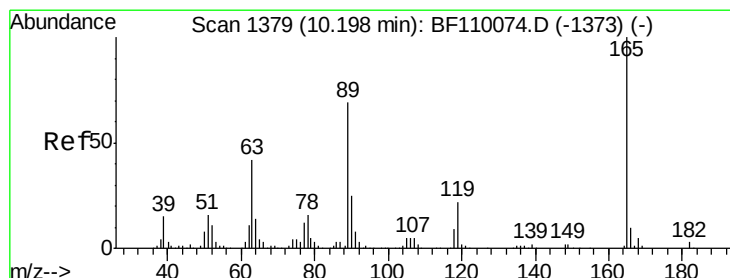
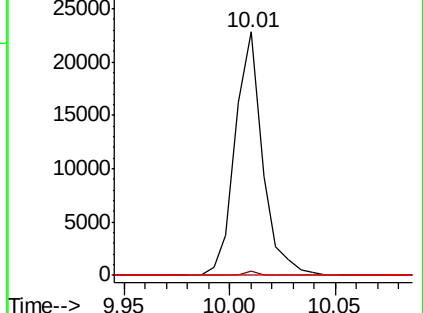
89 0.0 46.6 69.8#



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: 6.485 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110248.D

Acq: 27 Oct 2018 8:43

Tgt Ion:165 Resp: 20428

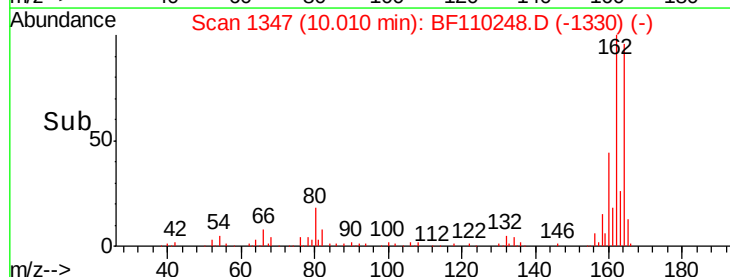
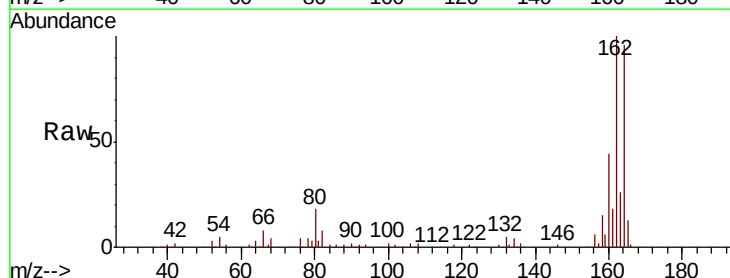
Ion Ratio Lower Upper

165 100

63 1.6 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

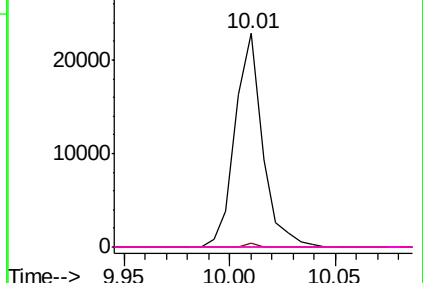


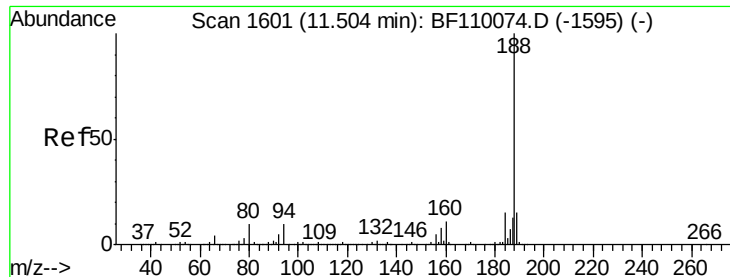
Abundance Ion 165.00 (164.70 to 165.70): E

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

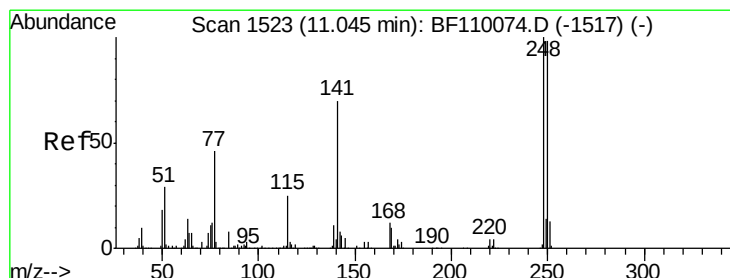
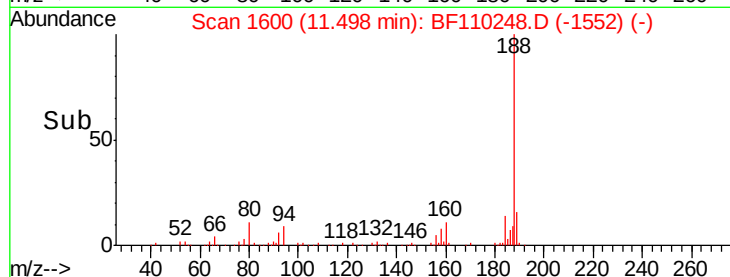
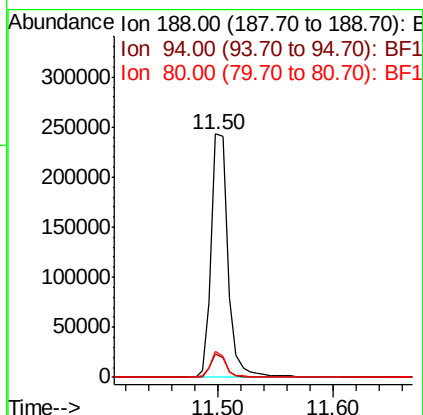
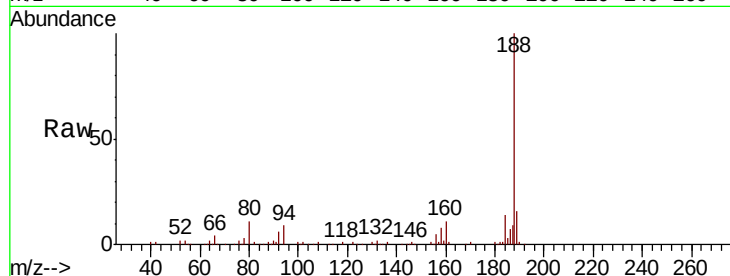




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110248.D
Acq: 27 Oct 2018 8:43

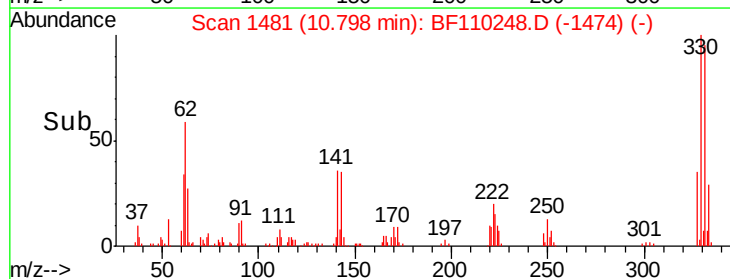
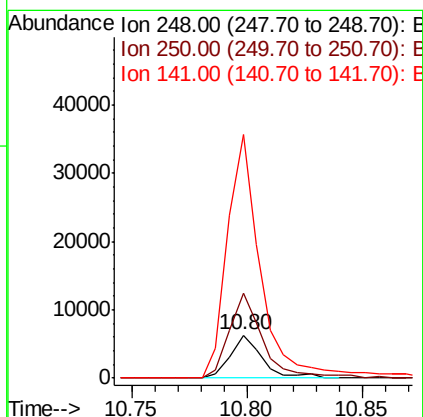
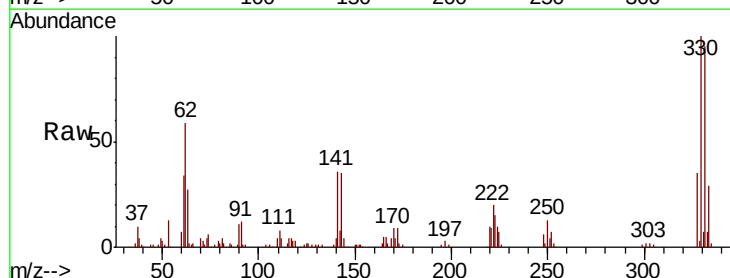
Instrument :
BNA_F
ClientSampleId :

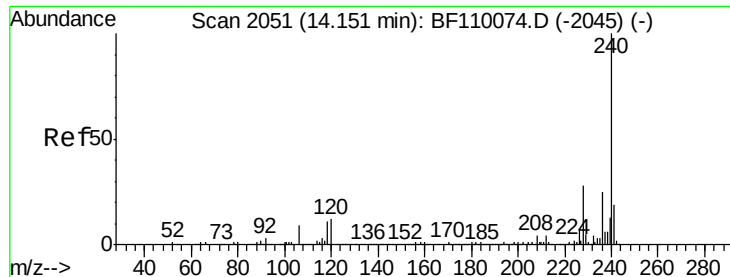
Tot Ion:188 Resp: 246387
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.9 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.255 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.26 min
Lab File: BF110248.D
Acq: 27 Oct 2018 8:43

Tgt Ion:248 Resp: 6028
Ion Ratio Lower Upper
248 100
250 197.8 79.4 119.2#
141 565.0 55.9 83.9#

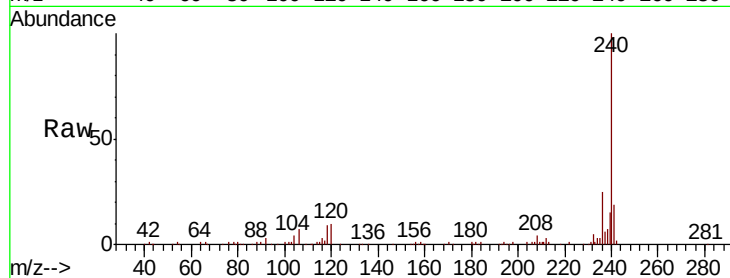




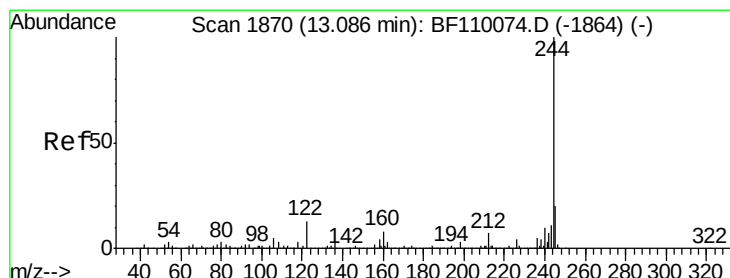
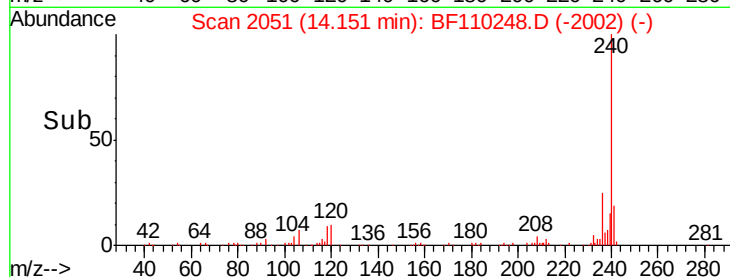
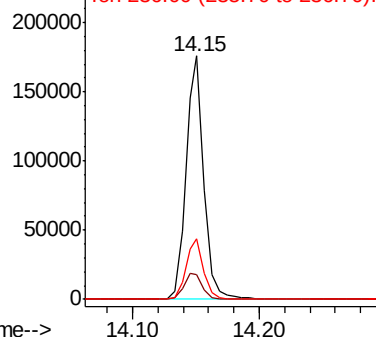
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110248.D
Acq: 27 Oct 2018 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 172619
Ion Ratio Lower Upper
240 100
120 10.4 8.3 12.5
236 24.8 21.2 31.8

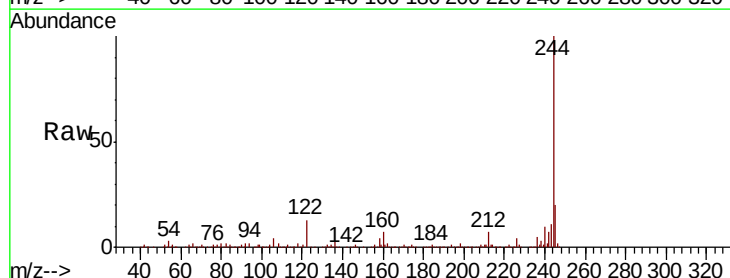


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

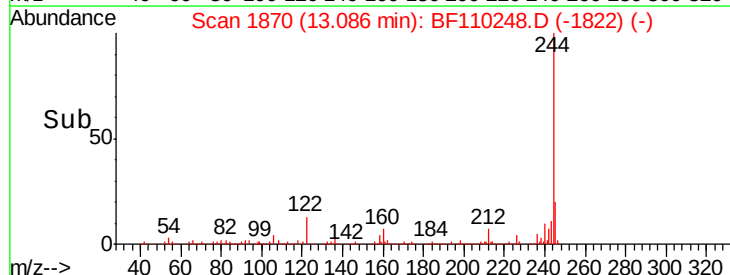
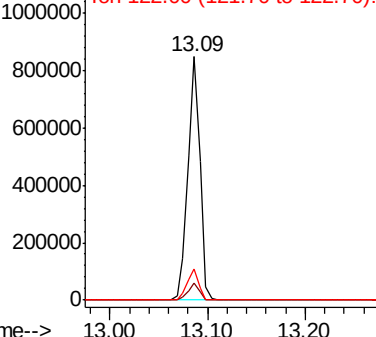


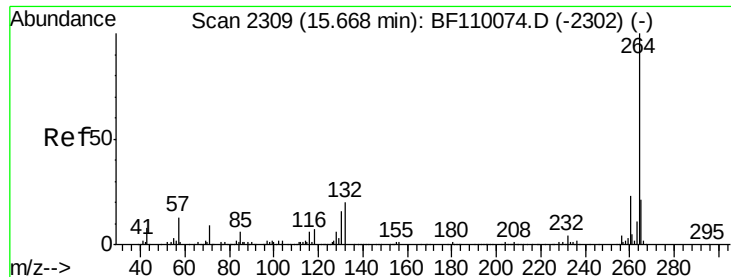
#79
Terphenyl-d14
Concen: 87.722 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110248.D
Acq: 27 Oct 2018 8:43

Tgt Ion:244 Resp: 728109
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 12.6 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
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110248.D
Acq: 27 Oct 2018 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.5	16.7	25.1

