

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
 Data File : BF110380.D
 Acq On : 1 Nov 2018 21:01
 Operator : JU/SJ
 Sample : J5192-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 04:12:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

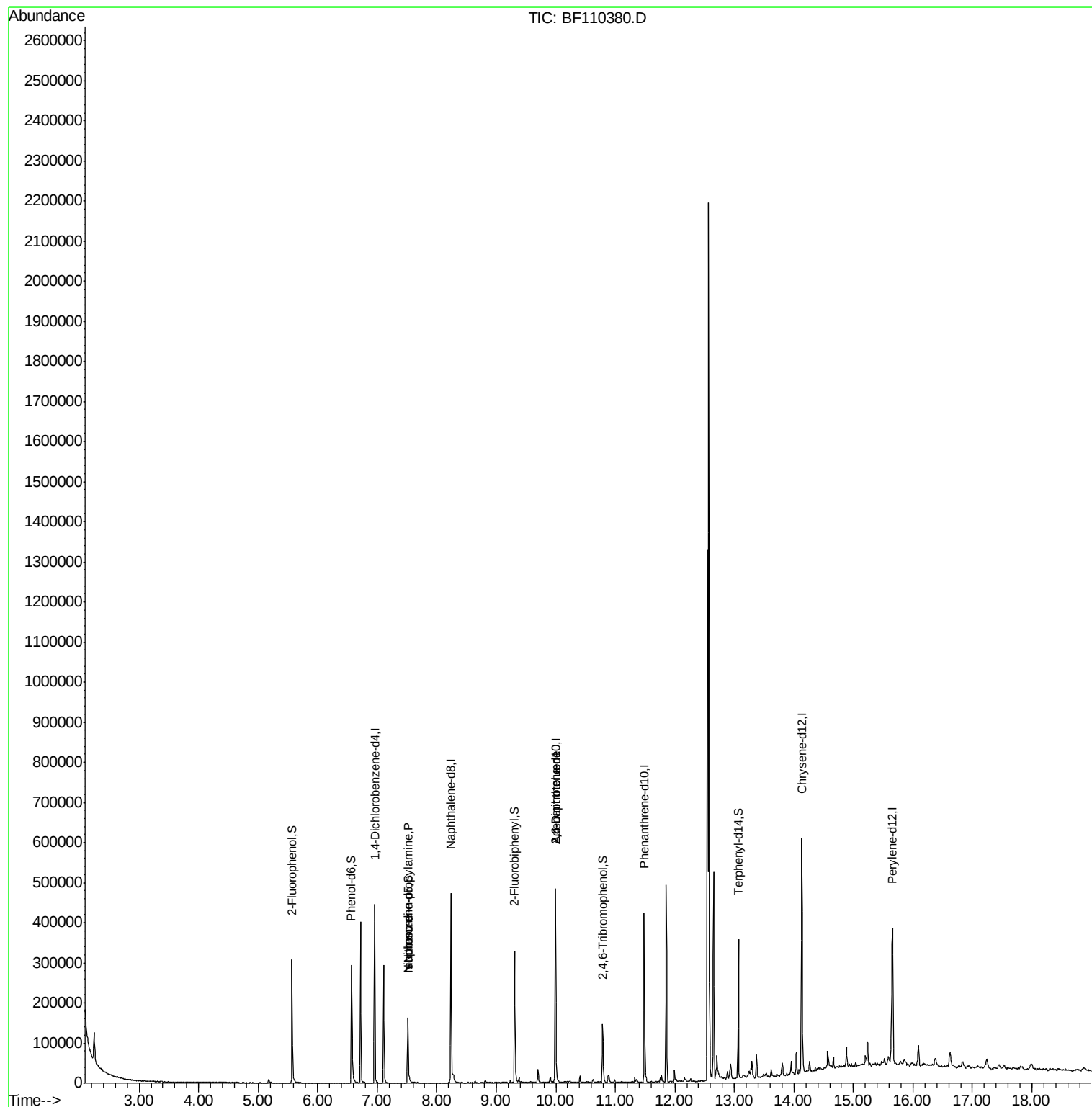
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	70833	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	260218	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	97458	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	167268	20.00	ng	0.00
76) Chrysene-d12	14.13	240	187394	20.00	ng	0.00
87) Perylene-d12	15.66	264	162291	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	93058	21.39	ng	0.00
7) Phenol-d6	6.57	99	112826	20.28	ng	-0.01
23) Nitrobenzene-d5	7.52	82	64812	14.77	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	17886	18.53	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	115573	18.62	ng	0.00
79) Terphenyl-d14	13.07	244	109615	12.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.72	77	2226	Below Cal	#	80
19) n-Nitroso-di-n-propylamine	7.52	70	8331	2.334 ng	#	77
25) Isophorone	7.52	82	64811	8.666 ng	#	67
51) 2,6-Dinitrotoluene	10.00	165	12461	8.041 ng	#	21
57) 2,4-Dinitrotoluene	10.00	165	12461	6.331 ng	#	17
77) Benzidine	13.07	184	1462	Below Cal	#	87

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

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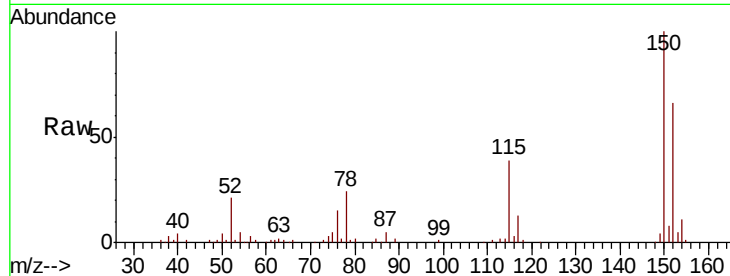




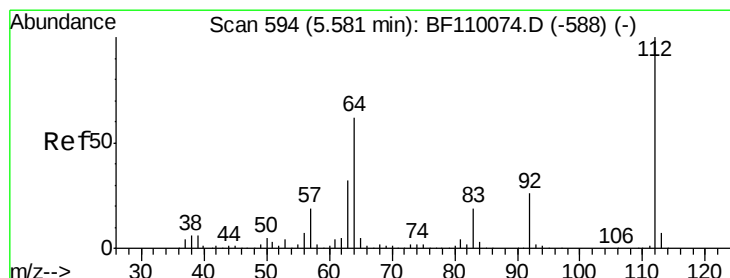
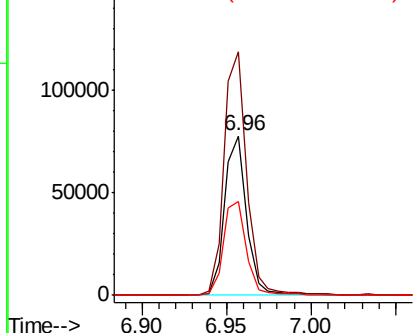
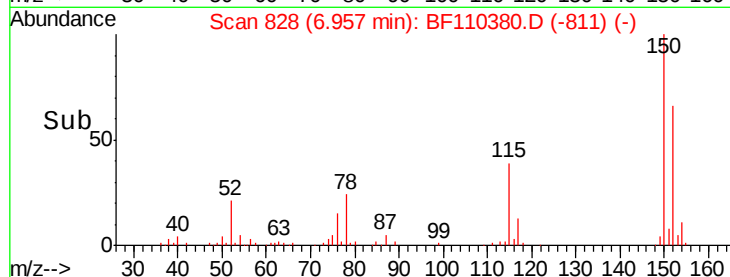
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF110380.D
 Acq: 1 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 70833
 Ion Ratio Lower Upper
 152 100
 150 152.4 122.7 184.1
 115 58.7 49.1 73.7

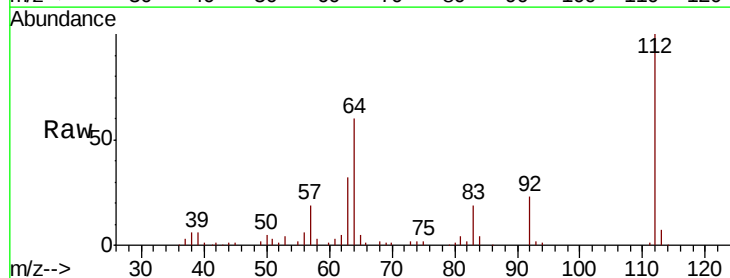


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

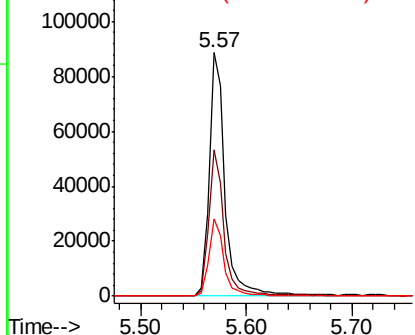
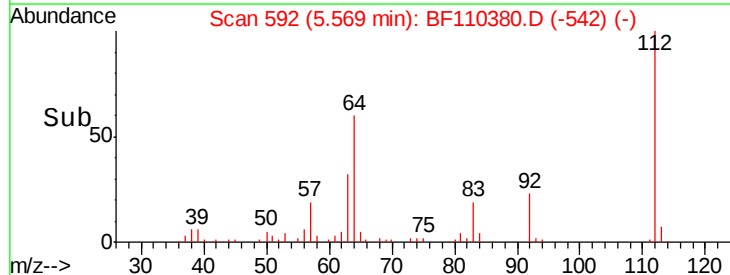


#5
 2-Fluorophenol
 Concen: 21.394 ng
 RT: 5.57 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF110380.D
 Acq: 1 Nov 2018 21:01

Tgt Ion:112 Resp: 93058
 Ion Ratio Lower Upper
 112 100
 64 60.0 44.1 66.1
 63 31.9 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: 20.279 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

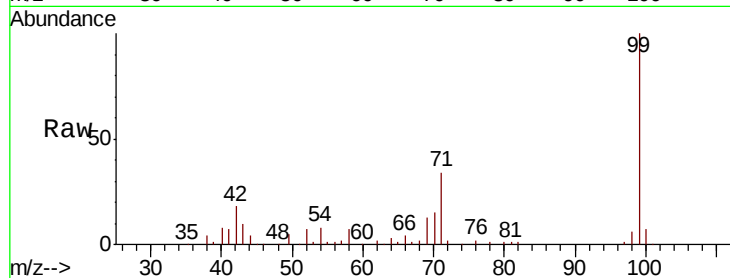
Tot Ion: 99 Resp: 112826

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

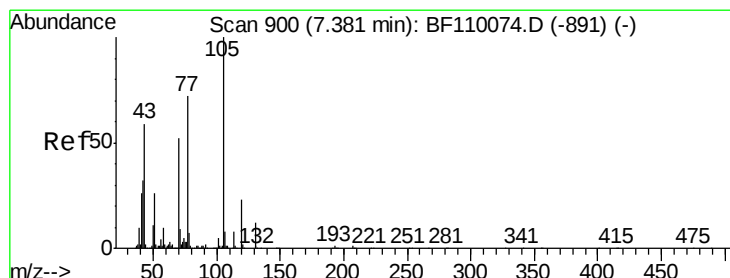
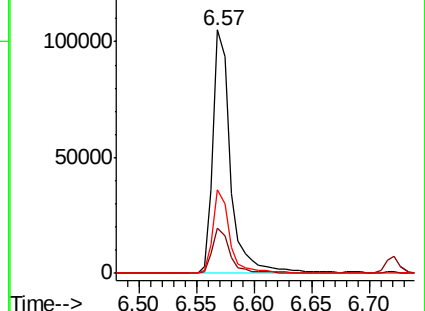
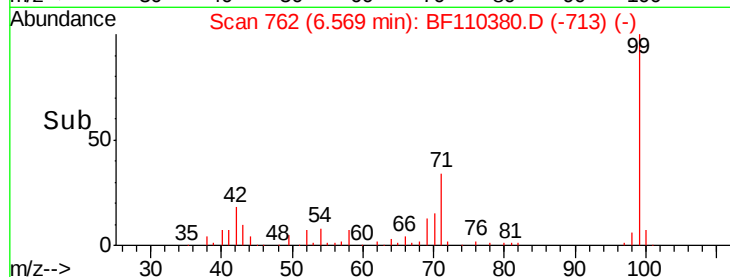
71 34.1 28.0 42.0



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: 2.334 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

Tgt Ion: 70 Resp: 8331

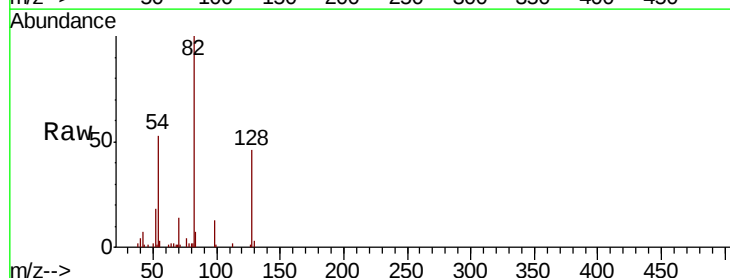
Ion Ratio Lower Upper

70 100

42 47.9 47.4 71.2

101 0.0 7.3 10.9#

130 0.0 16.2 24.2#

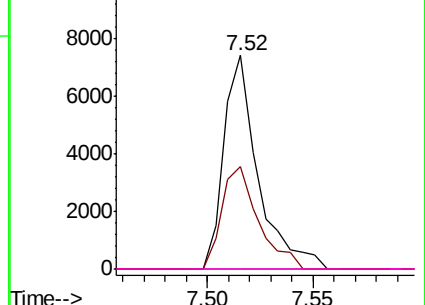
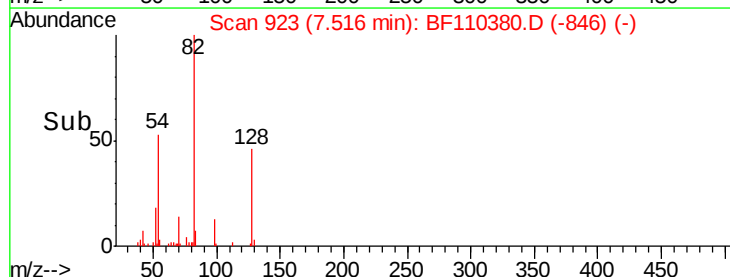


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 260218

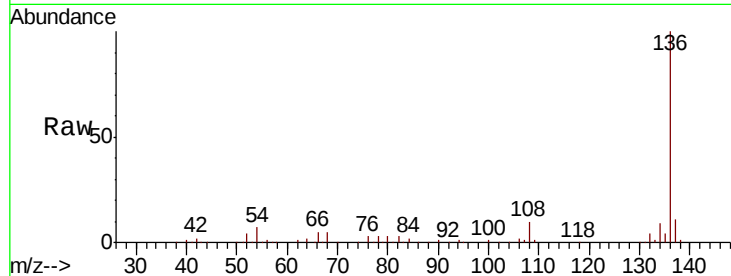
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.4 5.4 8.2

68 5.1 4.2 6.2

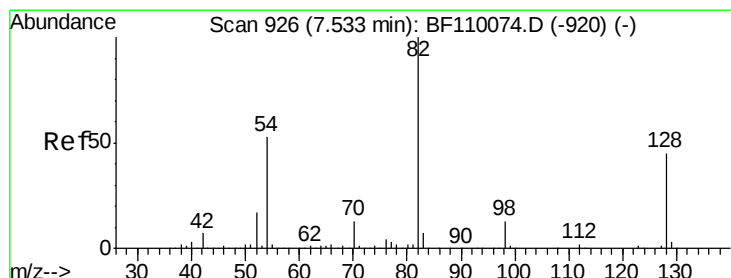
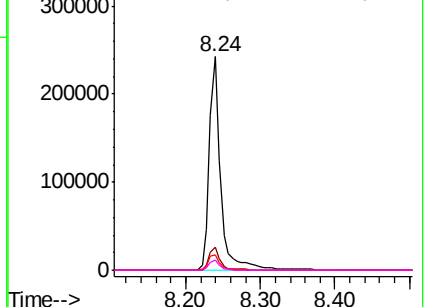
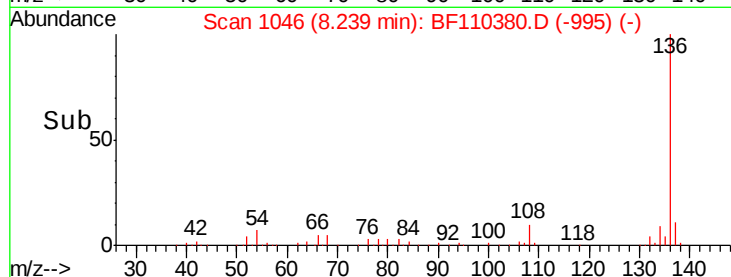


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.773 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

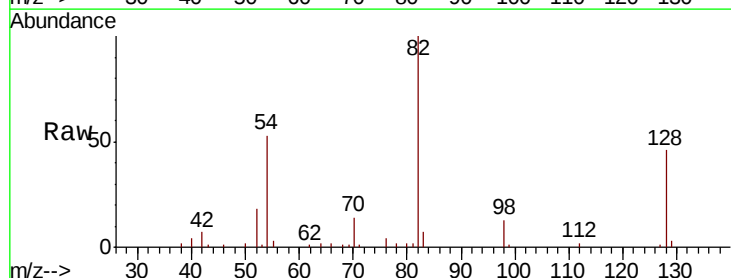
Tgt Ion: 82 Resp: 64812

Ion Ratio Lower Upper

82 100

128 46.0 34.2 51.2

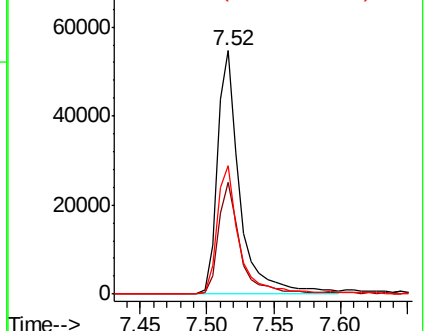
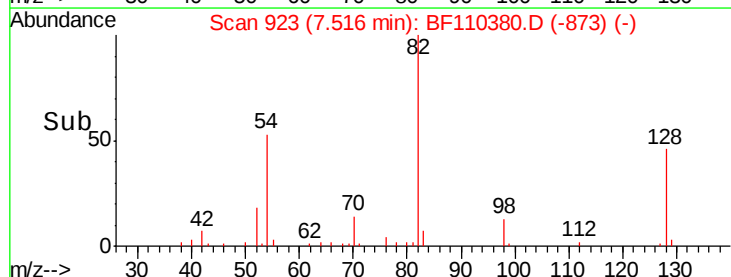
54 52.9 38.6 58.0

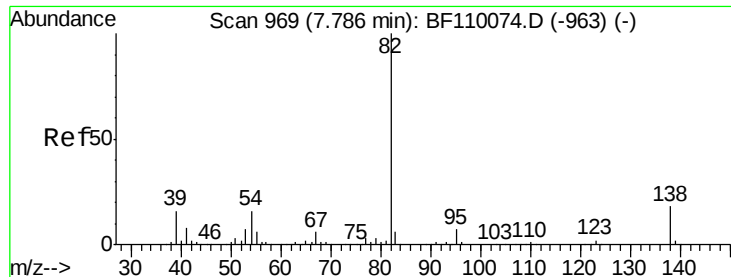


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.666 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.26 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

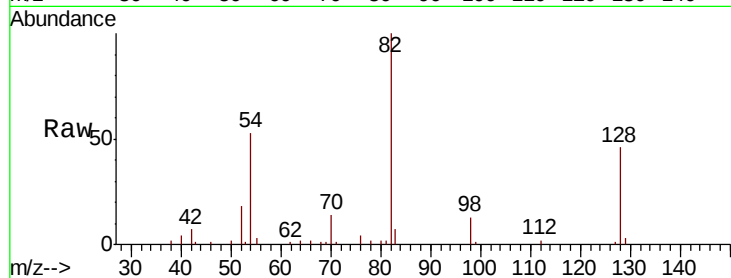
Tot Ion: 82 Resp: 64811

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

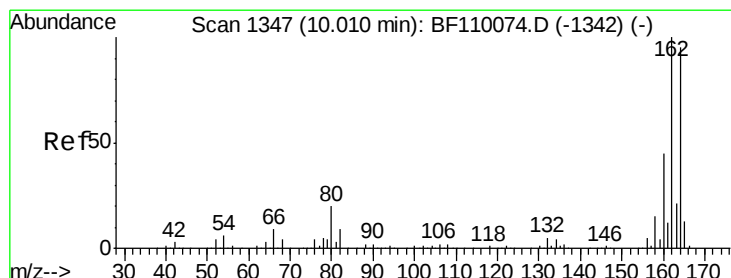
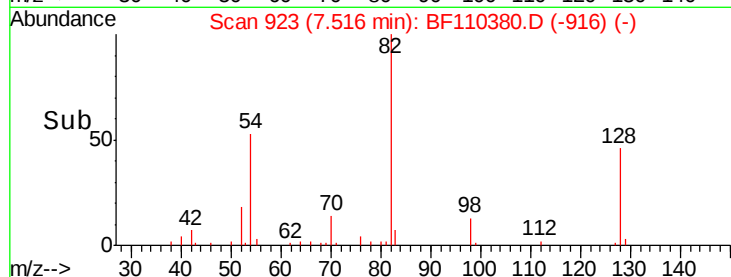
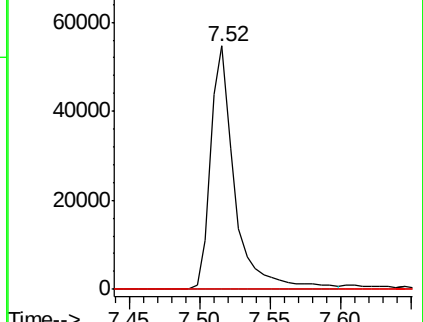
138 0.0 13.2 19.8#



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: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

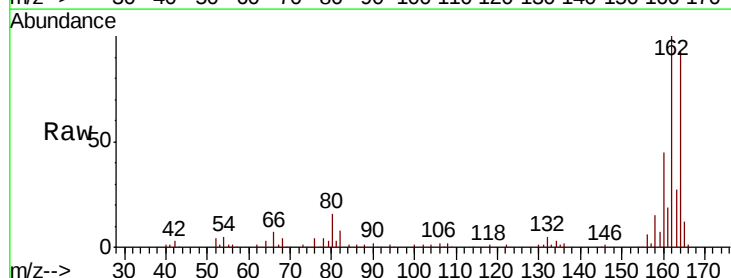
Tgt Ion:164 Resp: 97458

Ion Ratio Lower Upper

164 100

162 107.9 83.0 124.6

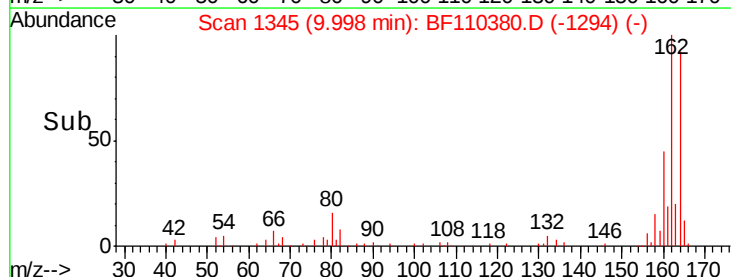
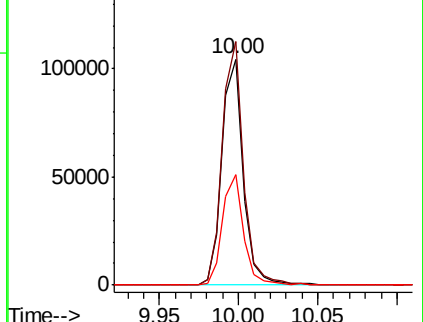
160 49.0 37.0 55.6

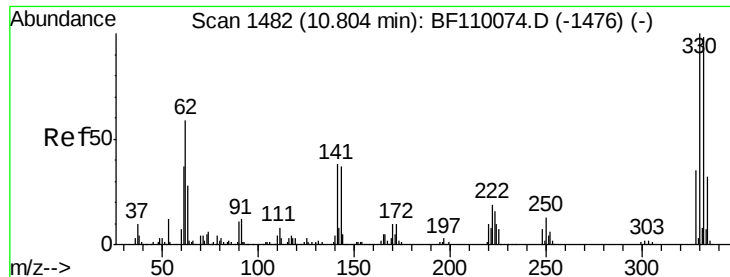


Abundance Ion 164.00 (163.70 to 164.70): BF110074.D (-1342) (-)

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

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

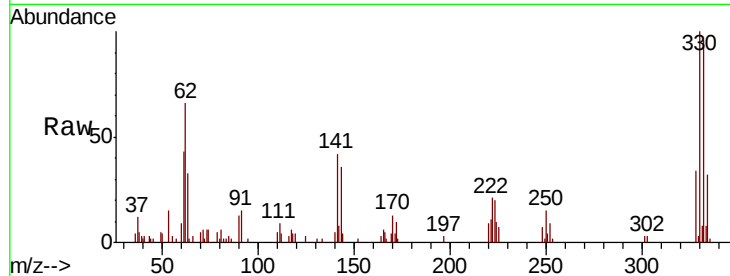




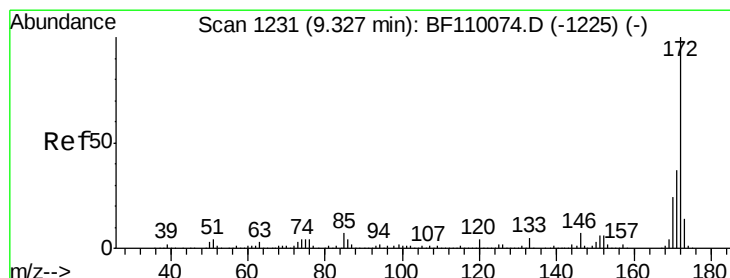
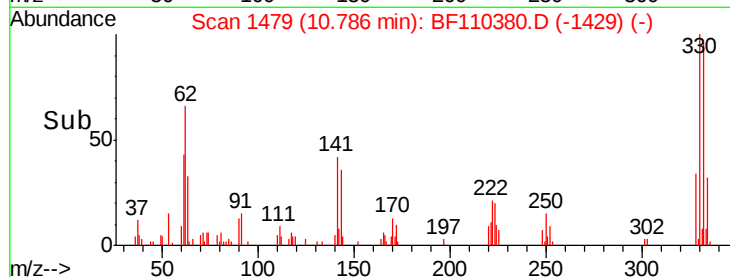
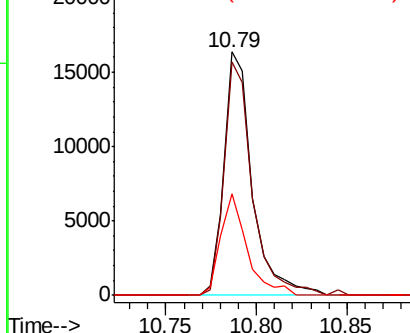
#42
 2,4,6-Tribromophenol
 Concen: 18.527 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110380.D
 Acq: 1 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	38.7	27.0	40.4

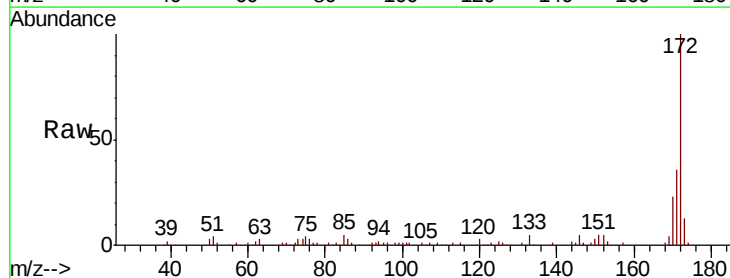


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

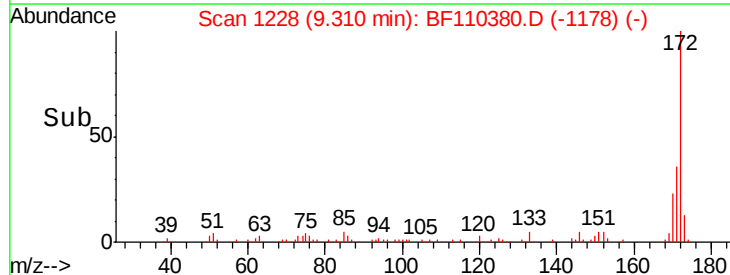
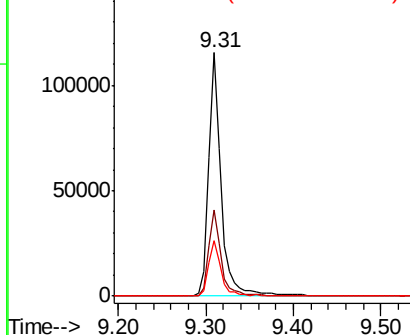


#45
 2-Fluorobiphenyl
 Concen: 18.621 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110380.D
 Acq: 1 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	22.7	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: 8.041 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.22 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

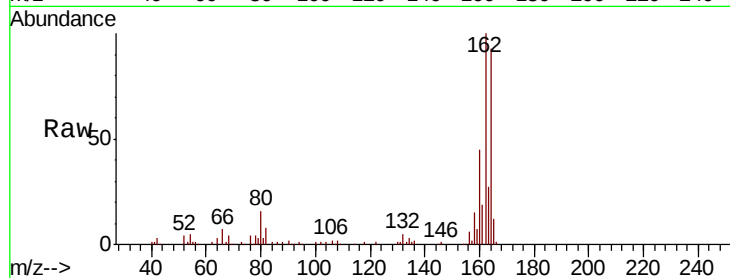
Tot Ion:165 Resp: 12461

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

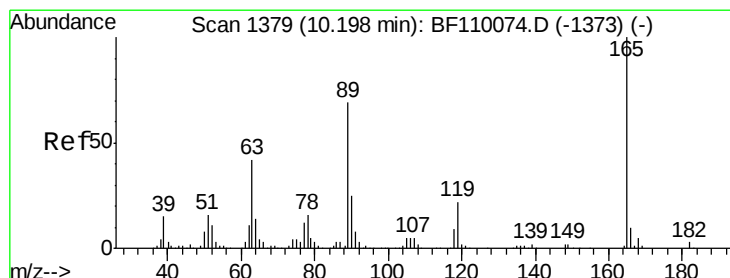
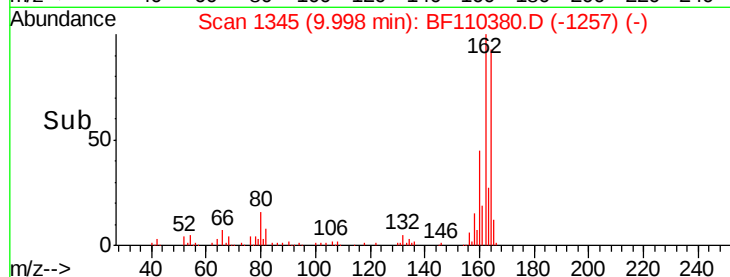
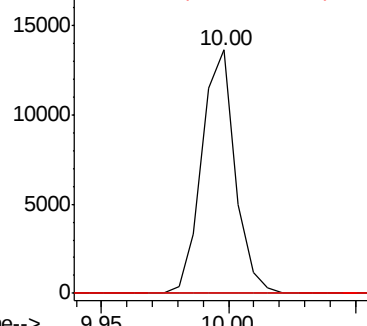
89 0.0 46.6 69.8#



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: 6.331 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.19 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

Tgt Ion:165 Resp: 12461

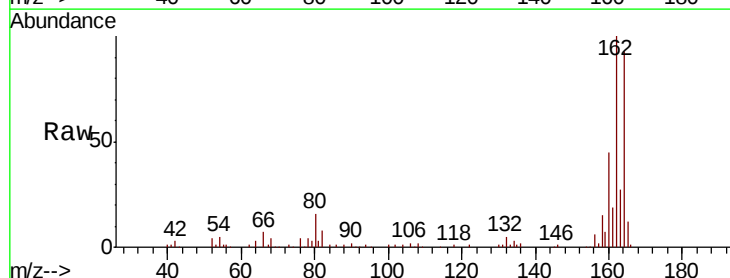
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

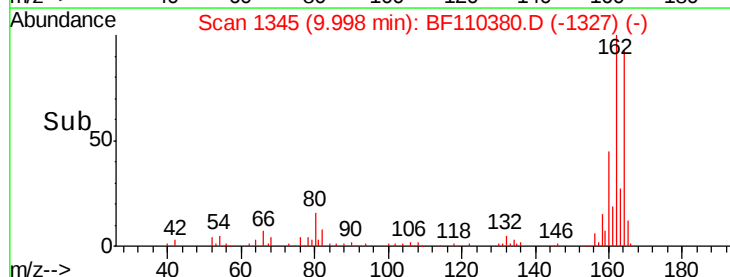
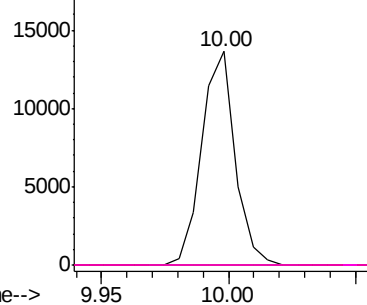


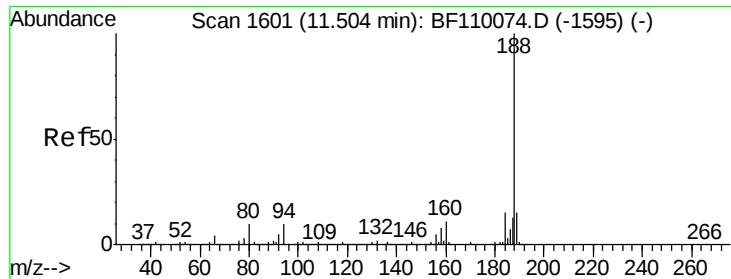
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

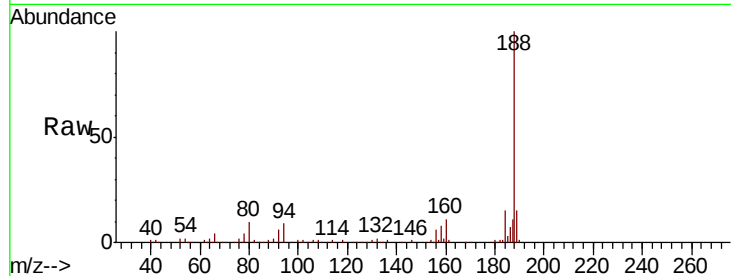
Tot Ion:188 Resp: 167268

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

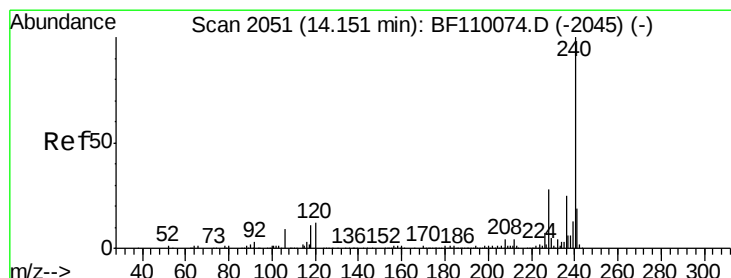
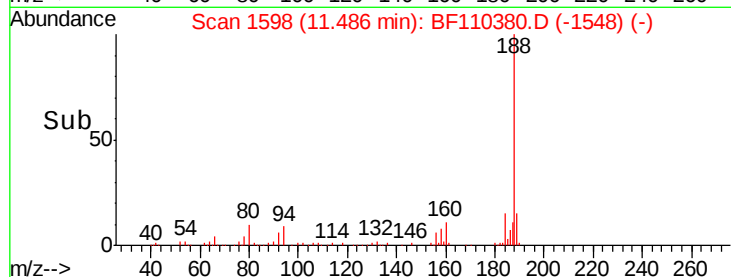
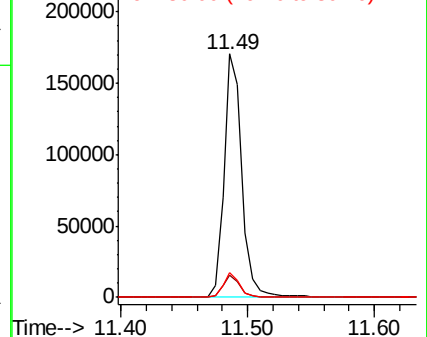
80 10.2 7.9 11.9



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

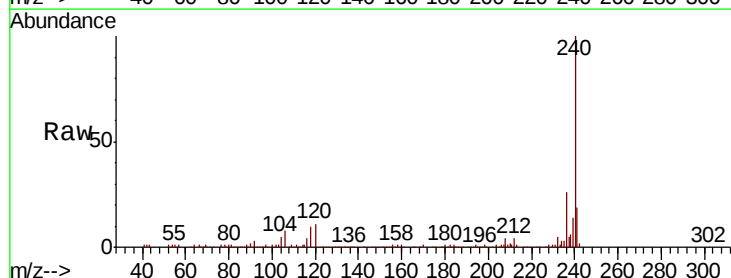
Tgt Ion:240 Resp: 187394

Ion Ratio Lower Upper

240 100

120 10.9 8.3 12.5

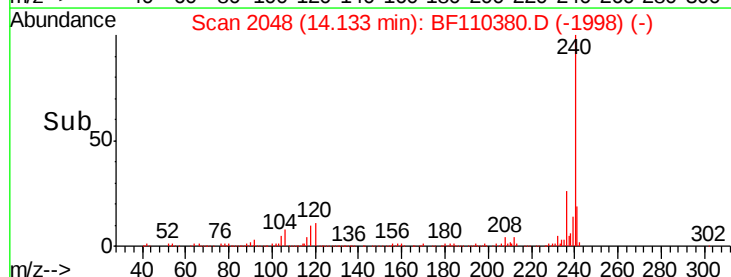
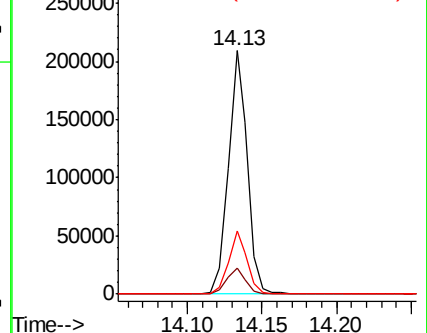
236 25.8 21.2 31.8

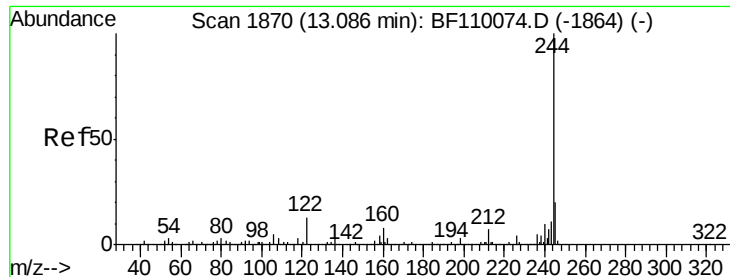


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 12.165 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

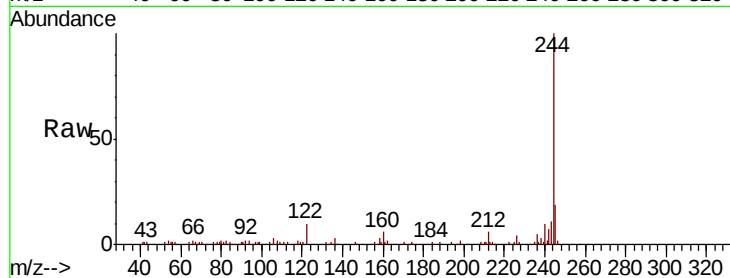
Tot Ion:244 Resp: 109615

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.8

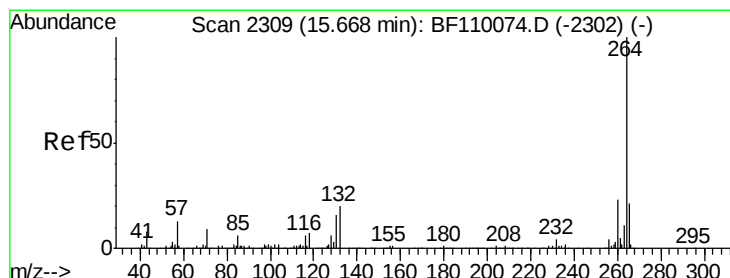
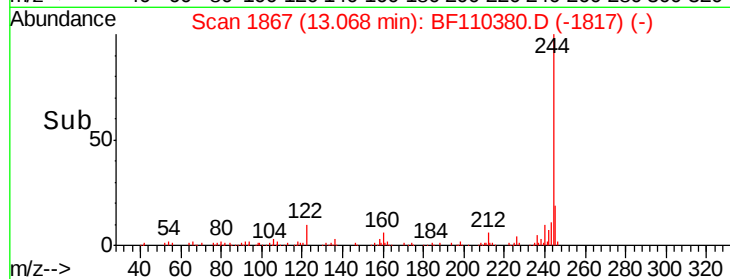
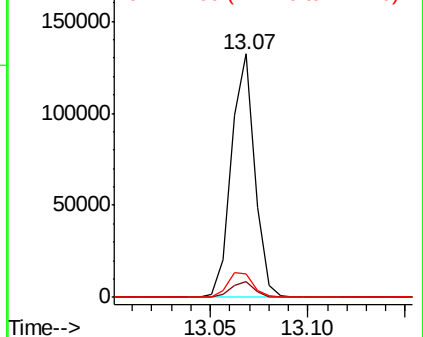
122 9.7 8.7 13.1



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: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110380.D

Acq: 1 Nov 2018 21:01

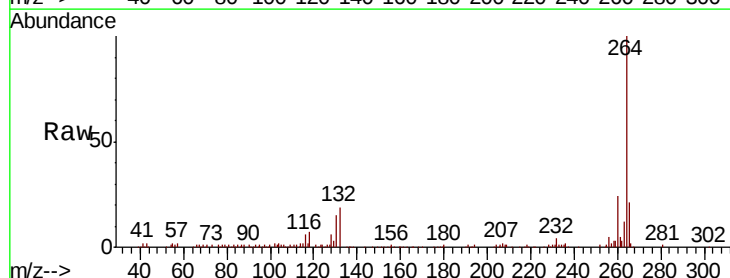
Tgt Ion:264 Resp: 162291

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.0 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

