

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
 Data File : BF110390.D
 Acq On : 2 Nov 2018 4:35
 Operator : JU/SJ
 Sample : J5747-05 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 08:35:54 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

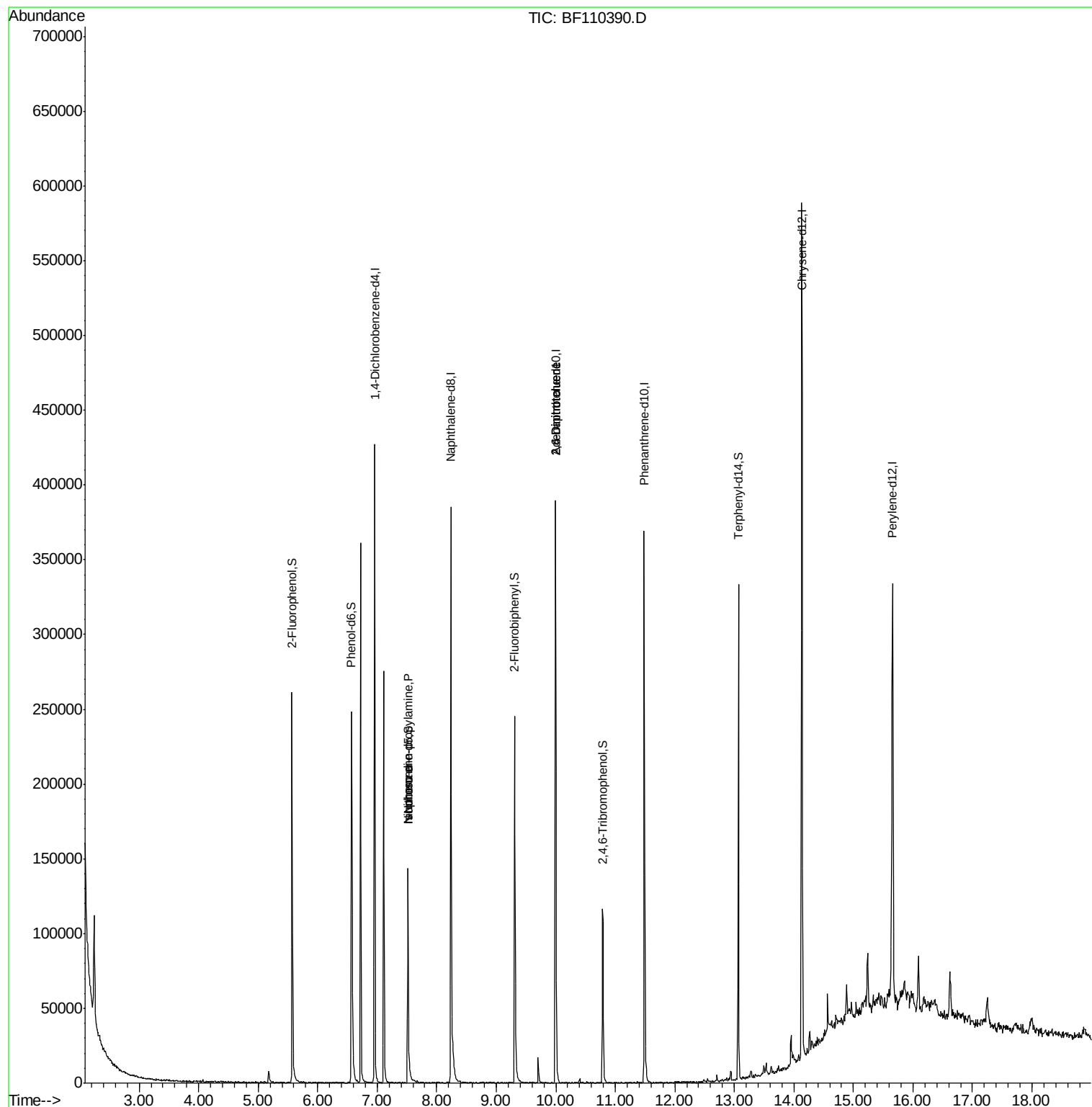
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	64888	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	227824	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	88048	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	168503	20.00	ng	0.00
76) Chrysene-d12	14.13	240	188592	20.00	ng	0.00
87) Perylene-d12	15.66	264	130455	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	83719	21.01	ng	0.00
7) Phenol-d6	6.57	99	101015	19.82	ng	0.00
23) Nitrobenzene-d5	7.52	82	56671	14.75	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	17521	20.09	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	97014	17.30	ng	0.00
79) Terphenyl-d14	13.07	244	110710	12.21	ng	0.00
Target Compounds						
9) Benzaldehyde	6.72	77	1958	Below Cal	#	70
19) n-Nitroso-di-n-propylamine	7.52	70	7614	2.329 ng	#	78
25) Isophorone	7.52	82	56670	8.655 ng	#	67
51) 2,6-Dinitrotoluene	10.00	165	10683	7.631 ng	#	21
57) 2,4-Dinitrotoluene	10.00	165	10683	6.008 ng	#	17
77) Benzidine	13.07	184	1378	Below Cal	#	76

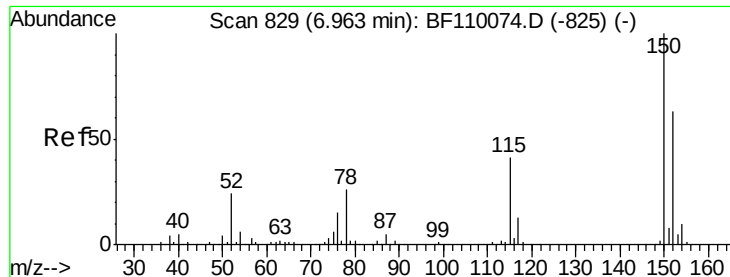
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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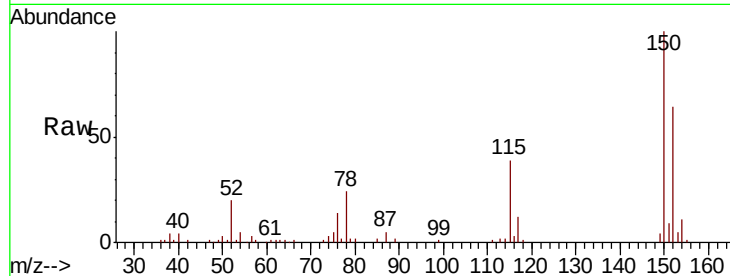


#1

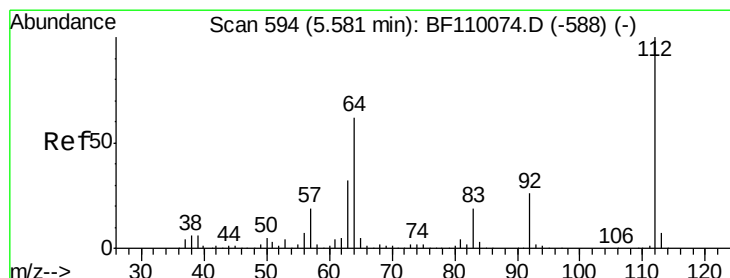
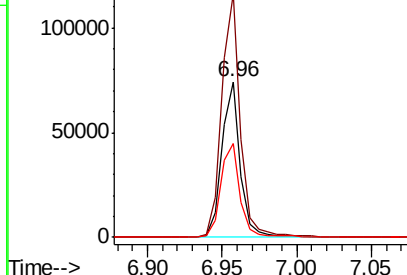
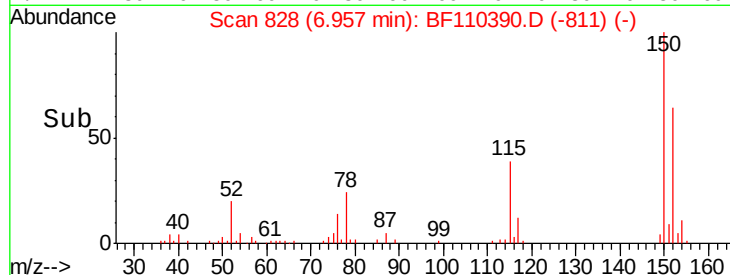
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110390.D
Acq: 2 Nov 2018 4:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64888
Ion Ratio Lower Upper
152 100
150 156.4 122.7 184.1
115 60.3 49.1 73.7



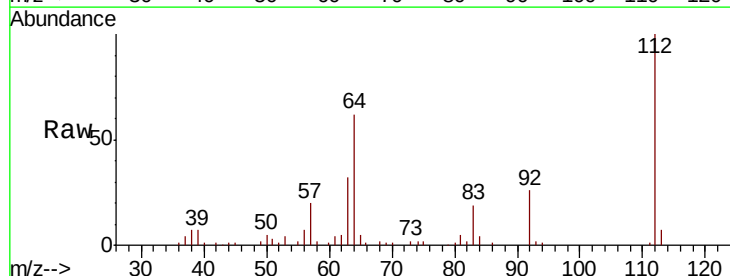
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



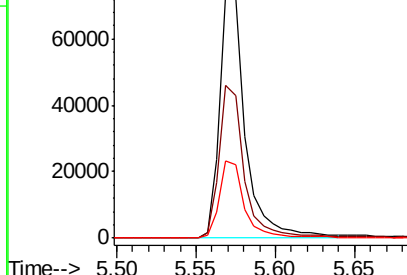
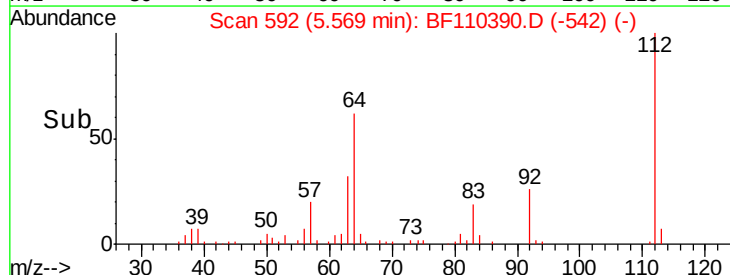
#5

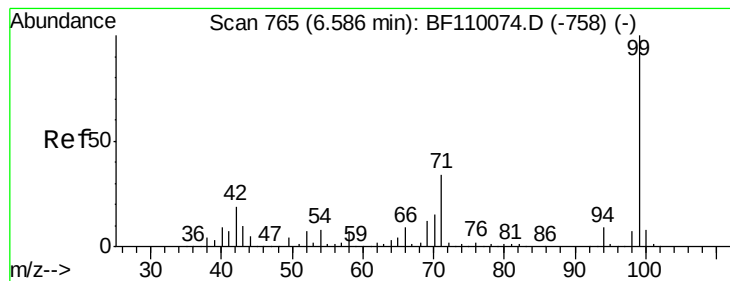
2-Fluorophenol
Concen: 21.010 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110390.D
Acq: 2 Nov 2018 4:35

Tgt Ion:112 Resp: 83719
Ion Ratio Lower Upper
112 100
64 62.5 44.1 66.1
63 31.8 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: 19.820 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

Instrument :

BNA_F

ClientSampled :

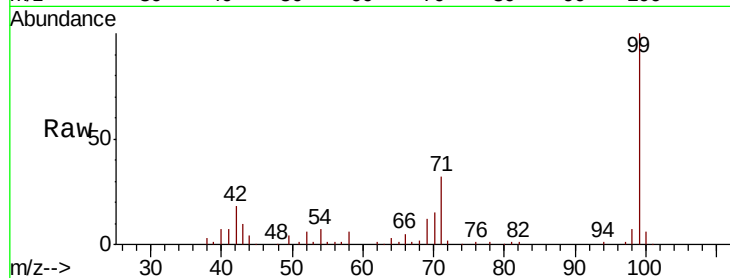
Tot Ion: 99 Resp: 101015

Ion Ratio Lower Upper

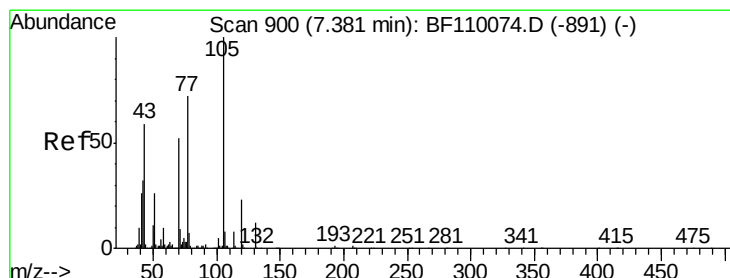
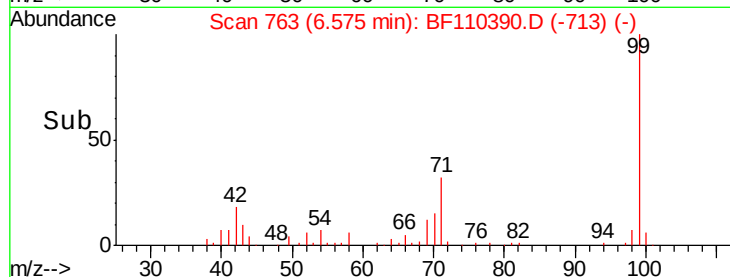
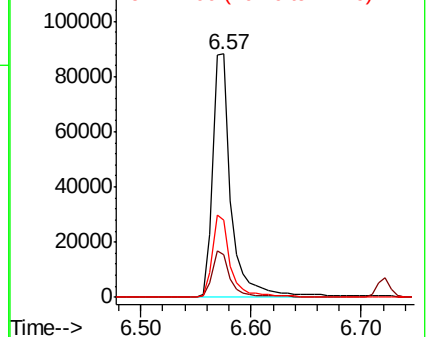
99 100

42 17.8 15.8 23.6

71 31.6 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: 2.329 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

Tgt Ion: 70 Resp: 7614

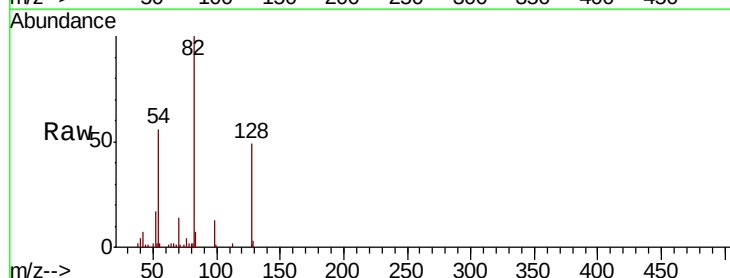
Ion Ratio Lower Upper

70 100

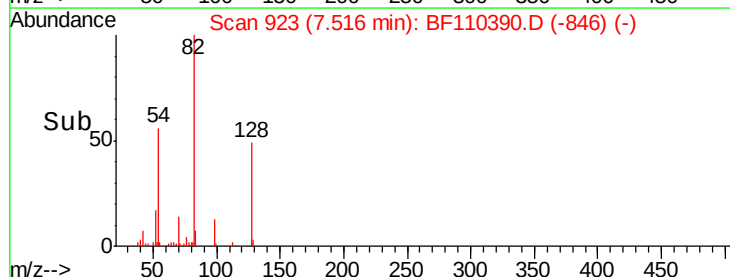
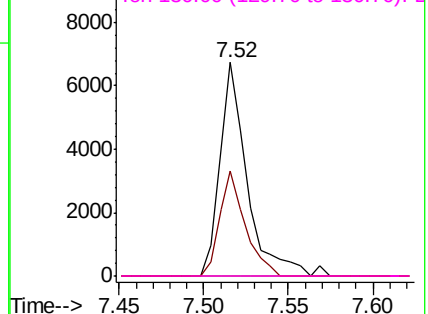
42 49.1 47.4 71.2

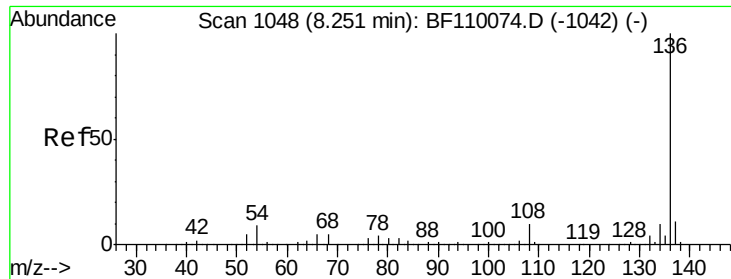
101 0.0 7.3 10.9#

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

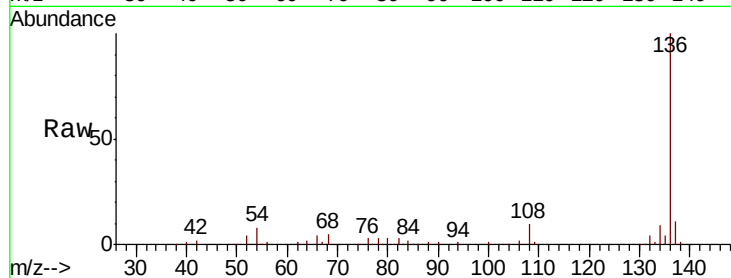




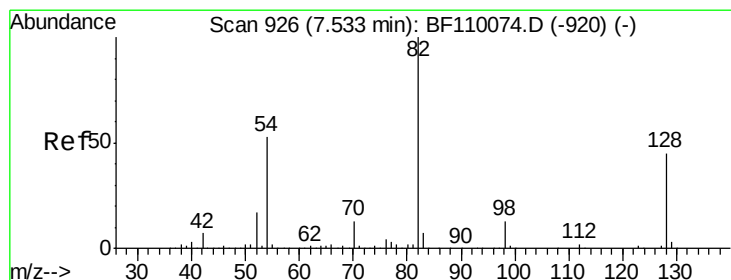
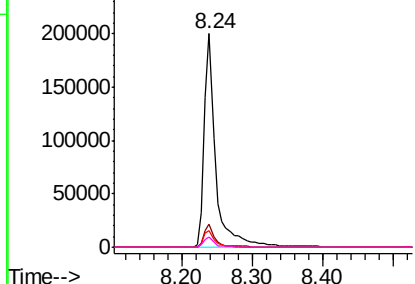
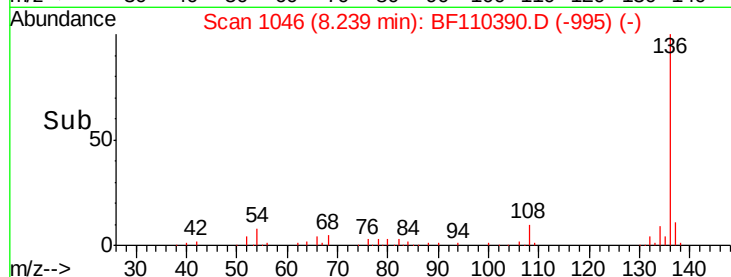
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110390.D
Acq: 2 Nov 2018 4:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 227824
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.6 5.4 8.2
68 4.9 4.2 6.2

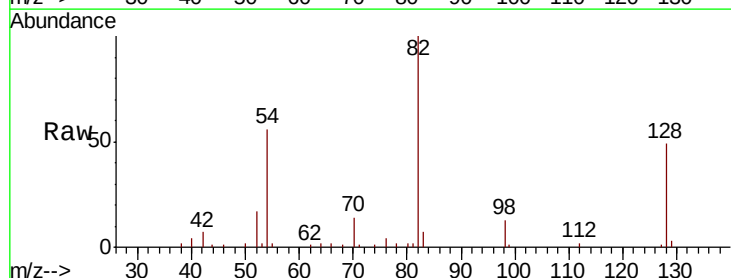


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

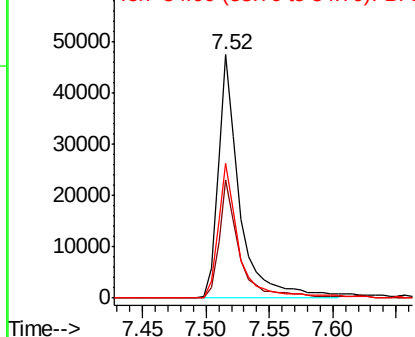
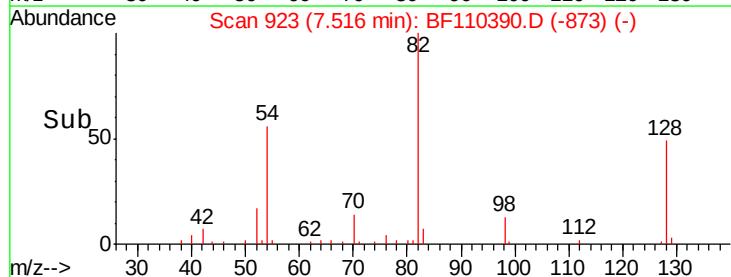


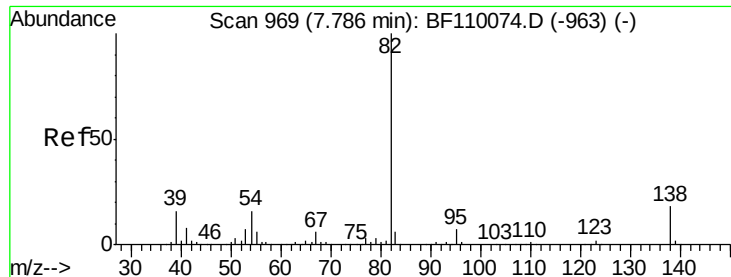
#23
Nitrobenzene-d5
Concen: 14.754 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110390.D
Acq: 2 Nov 2018 4:35

Tgt Ion: 82 Resp: 56671
Ion Ratio Lower Upper
82 100
128 48.6 34.2 51.2
54 55.5 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: 8.655 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.26 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

Instrument :

BNA_F

ClientSampled :

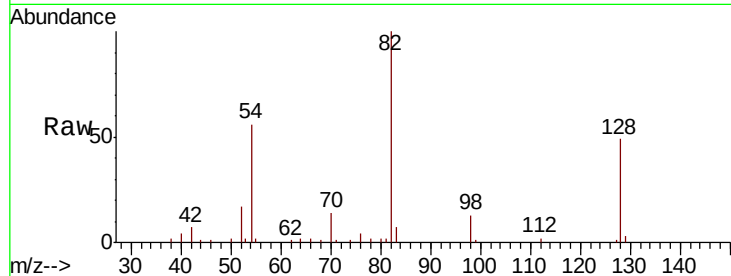
Tot Ion: 82 Resp: 56670

Ion Ratio Lower Upper

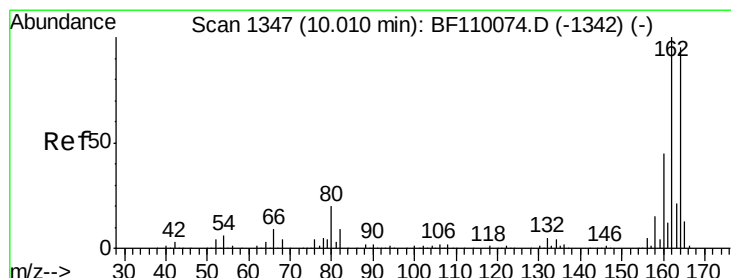
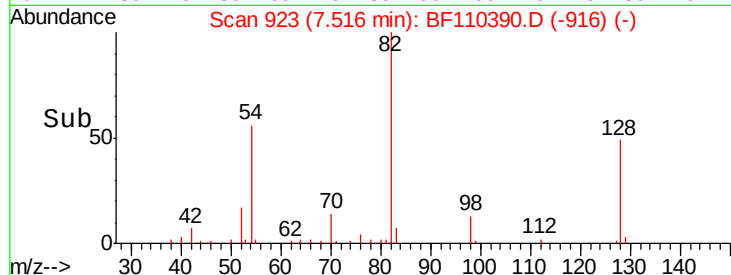
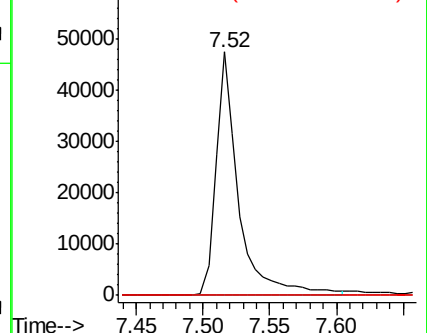
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

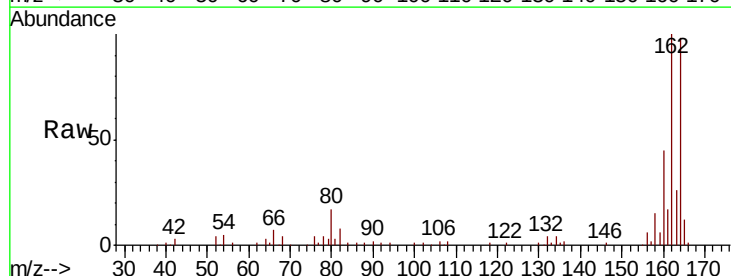
Tgt Ion:164 Resp: 88048

Ion Ratio Lower Upper

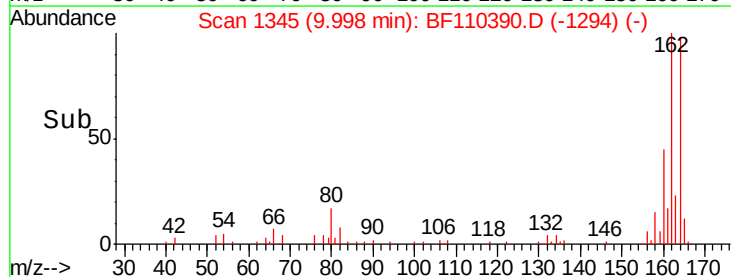
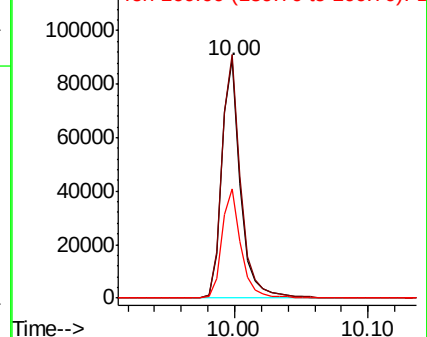
164 100

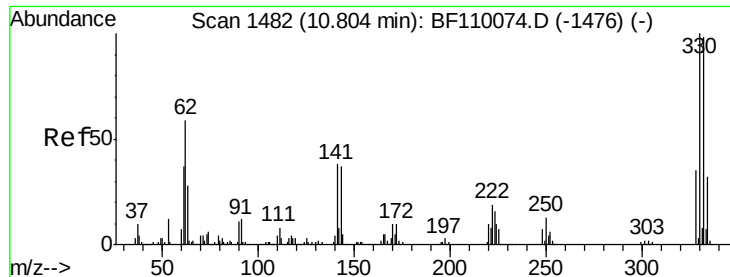
162 102.2 83.0 124.6

160 45.7 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: 20.089 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

Instrument :

BNA_F

ClientSampleId :

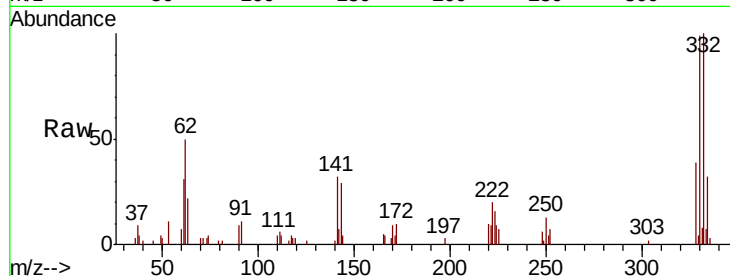
Tot Ion:330 Resp: 17521

Ion Ratio Lower Upper

330 100

332 94.3 77.1 115.7

141 35.5 27.0 40.4

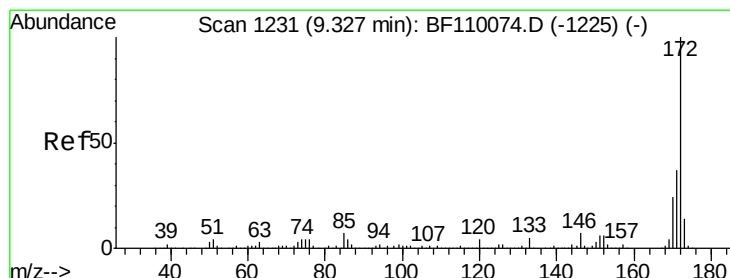
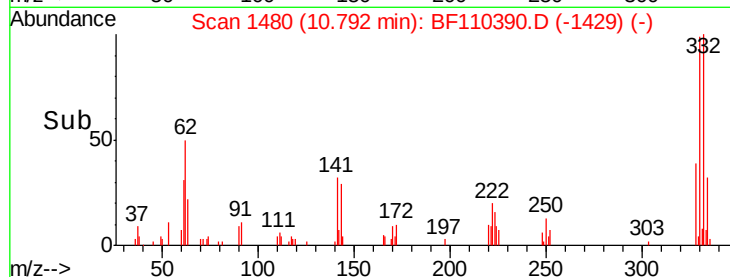
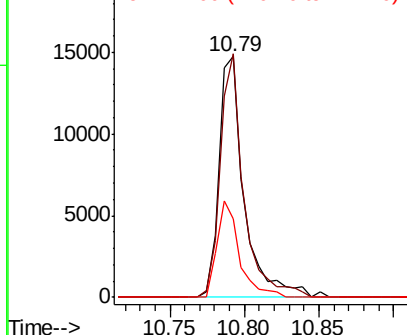


Abundance

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: 17.302 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

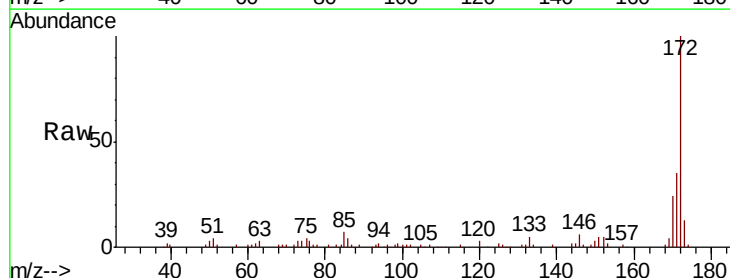
Tgt Ion:172 Resp: 97014

Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 24.2 19.7 29.5

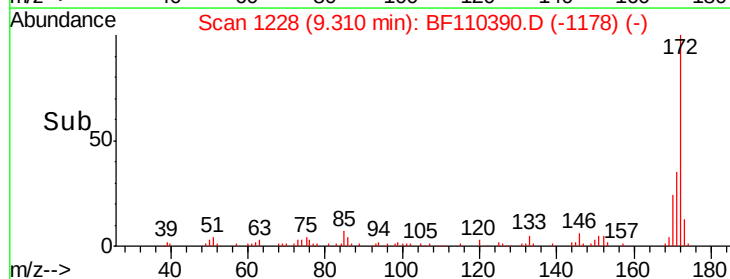
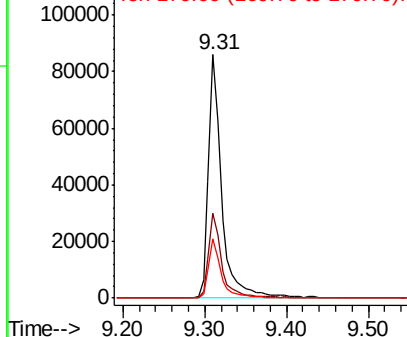


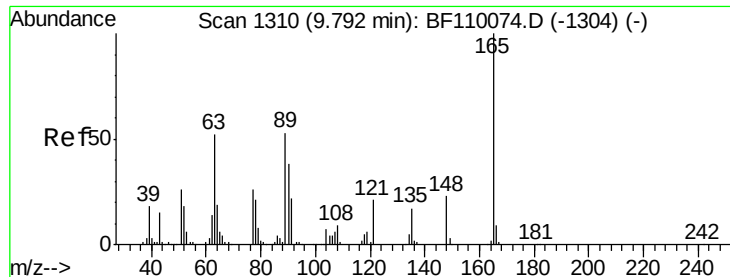
Abundance

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: 7.631 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.22 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

Instrument :

BNA_F

ClientSampleId :

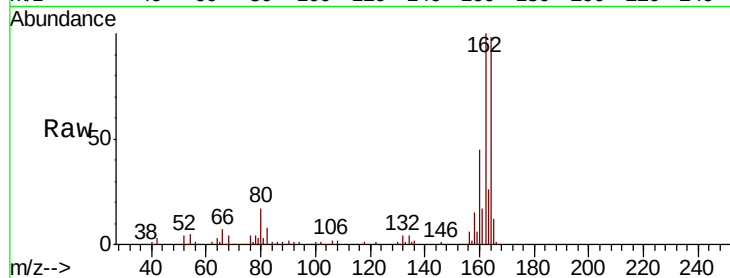
Tot Ion:165 Resp: 10683

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

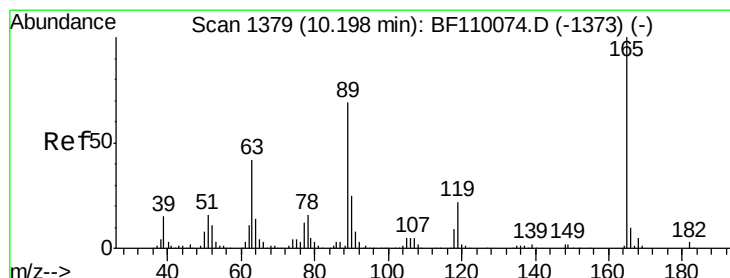
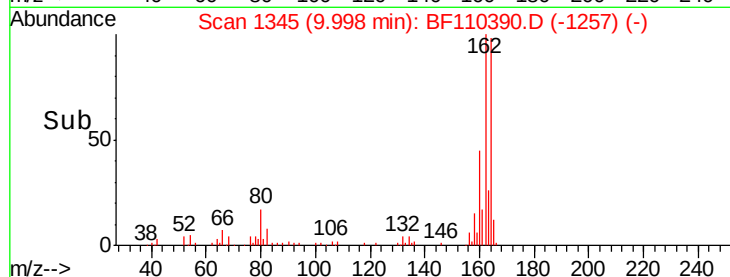
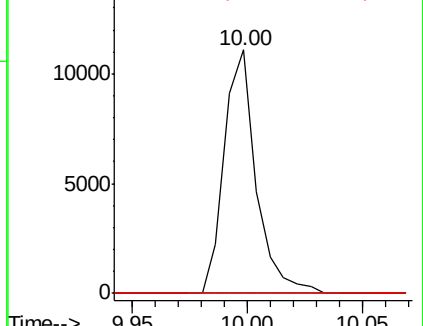
89 0.0 46.6 69.8#



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: 6.008 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.19 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

Tgt Ion:165 Resp: 10683

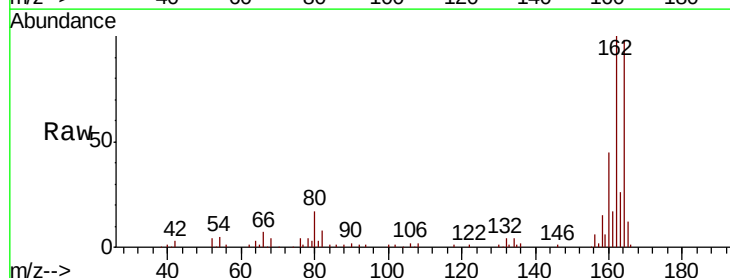
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

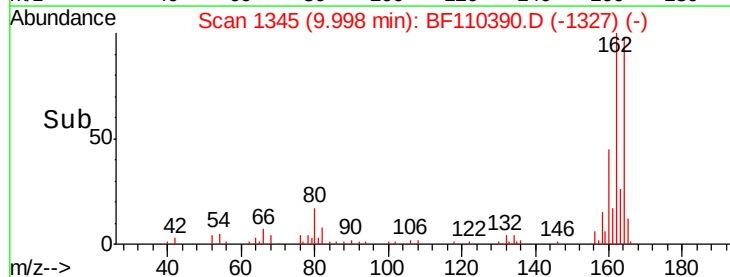
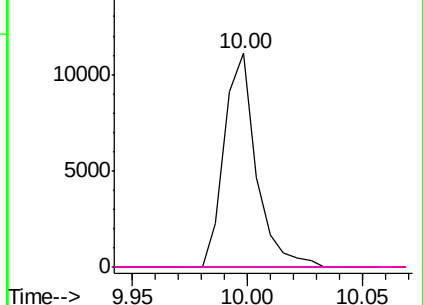


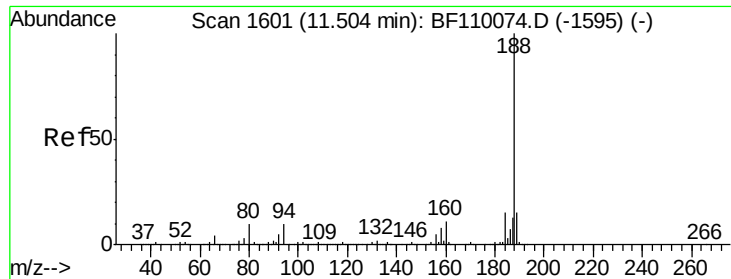
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF110390.D

Acq: 2 Nov 2018 4:35

Instrument :

BNA_F

ClientSampleId :

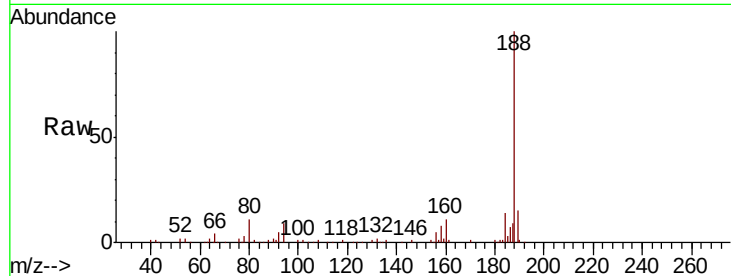
Tot Ion:188 Resp: 168503

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

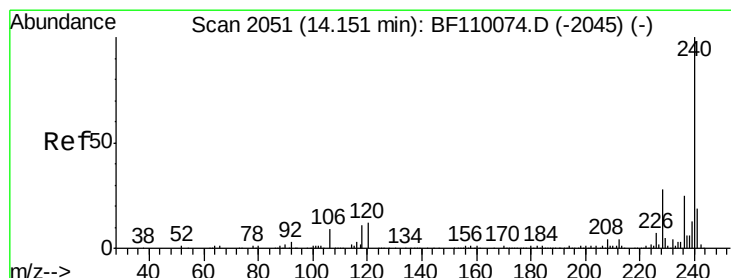
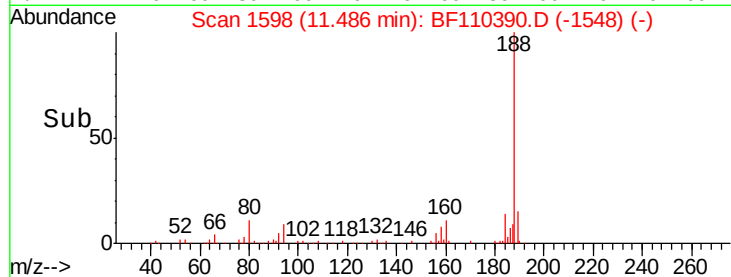
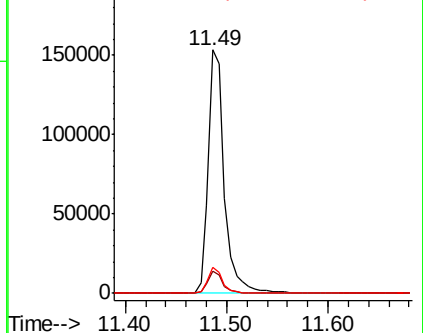
80 10.6 7.9 11.9



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: BF110390.D

Acq: 2 Nov 2018 4:35

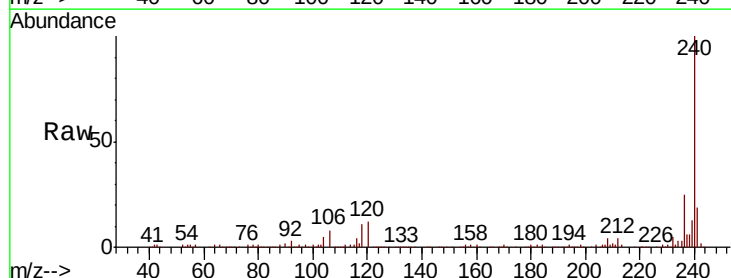
Tgt Ion:240 Resp: 188592

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

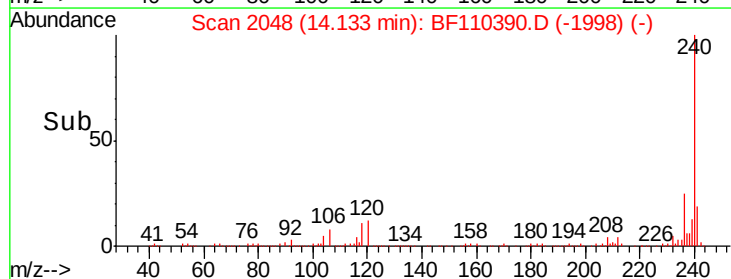
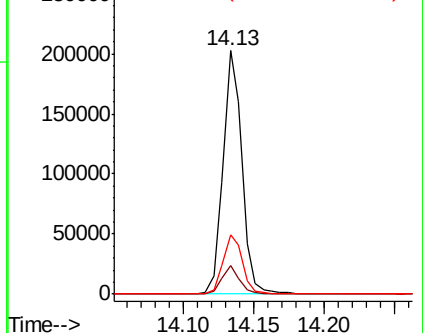
236 24.5 21.2 31.8

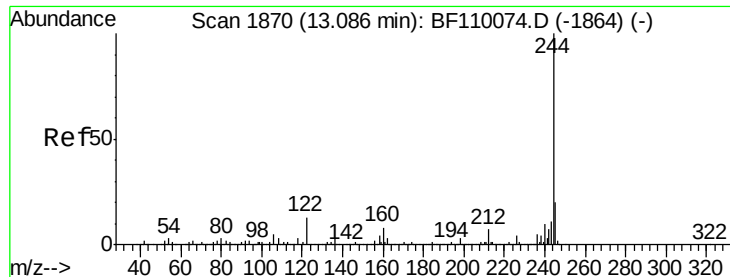


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 12.209 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

Instrument :

BNA_F

ClientSampleId :

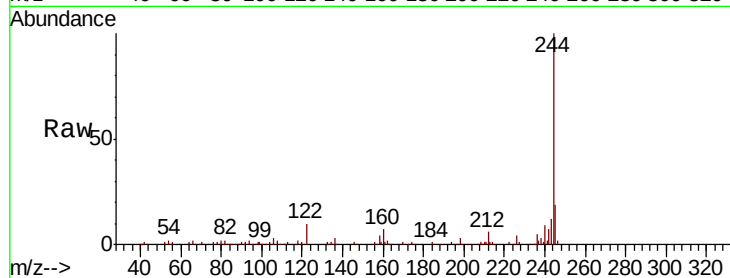
Tot Ion:244 Resp: 110710

Ion Ratio Lower Upper

244 100

212 6.1 5.8 8.8

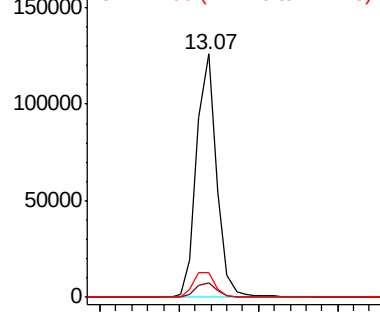
122 10.2 8.7 13.1



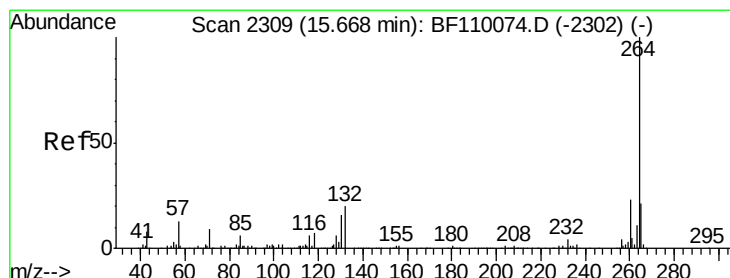
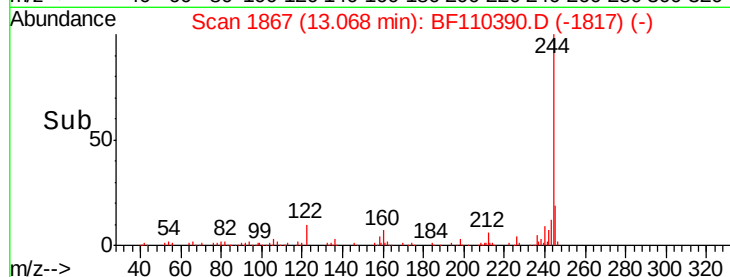
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110390.D

Acq: 2 Nov 2018 4:35

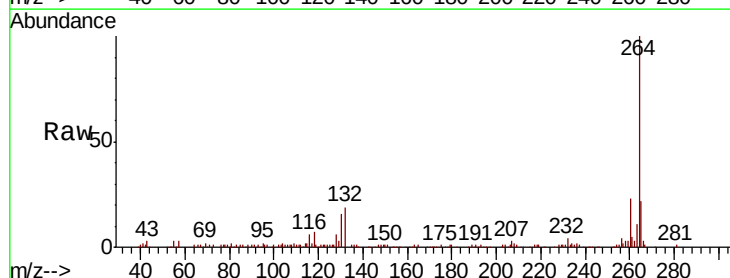
Tgt Ion:264 Resp: 130455

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

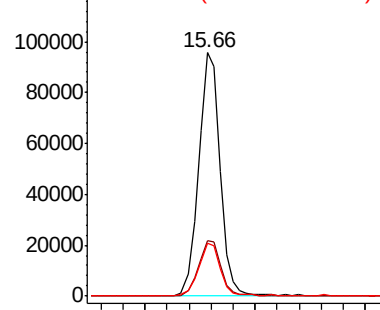
265 21.7 16.7 25.1



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



Time-->

