

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100418\
 Data File : BF109591.D
 Acq On : 4 Oct 2018 17:14
 Operator : JU/SJ
 Sample : J5173-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DSN-001A-092818

Quant Time: Oct 05 01:30:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	82575	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	313185	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	139247	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	219326	20.00	ng	0.00
75) Chrysene-d12	13.84	240	178281	20.00	ng	0.00
86) Perylene-d12	15.24	264	175584	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	244376	48.74	ng	0.00
7) Phenol-d6	6.35	99	193380	30.23	ng	0.00
23) Nitrobenzene-d5	7.27	82	481600	90.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	153085	111.52	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	858445	92.98	ng	-0.01
78) Terphenyl-d14	12.79	244	586622	80.75	ng	-0.01

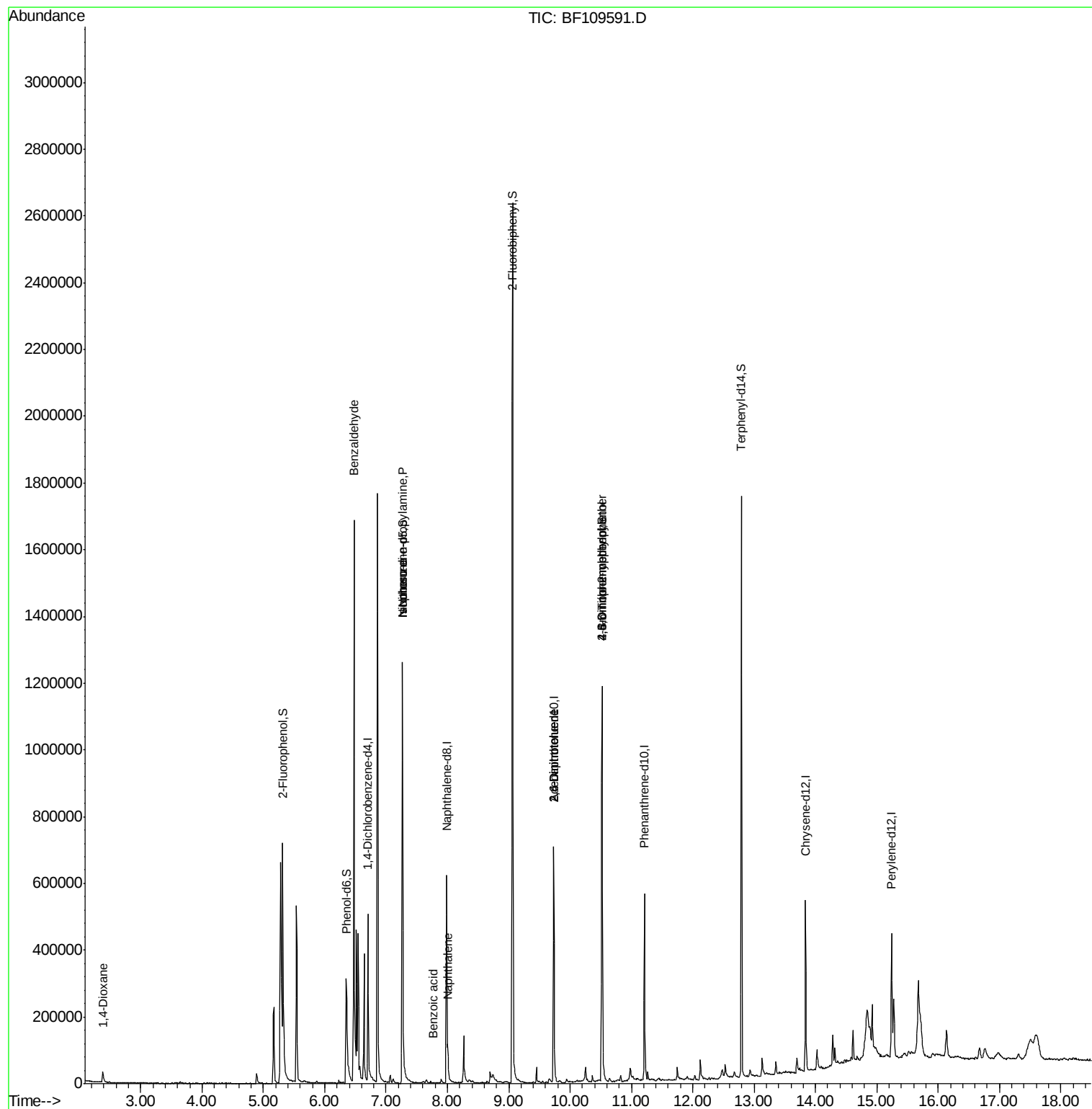
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.38	88	18075	7.828	ng	95
9) Benzaldehyde	6.47	77	11156	2.715	ng	# 75
19) n-Nitroso-di-n-propylamine	7.27	70	64375	15.357	ng	# 76
25) Isophorone	7.27	82	459283	48.074	ng	# 64
31) Naphthalene	8.00	128	39104	2.672	ng	99
32) Benzoic acid	7.78	122	611	6.982	ng	# 33
50) 2,6-Dinitrotoluene	9.73	165	17750	8.849	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	17750	6.994	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	126	6.644	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	8683	3.565	ng	# 1

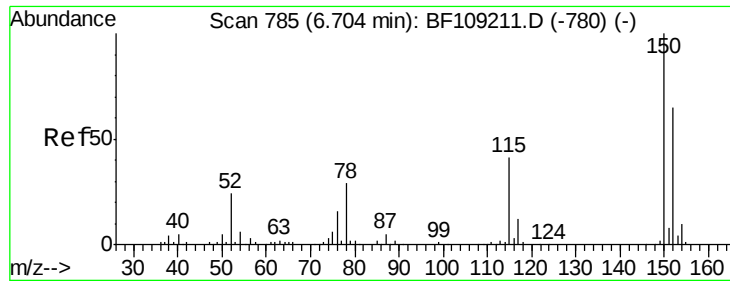
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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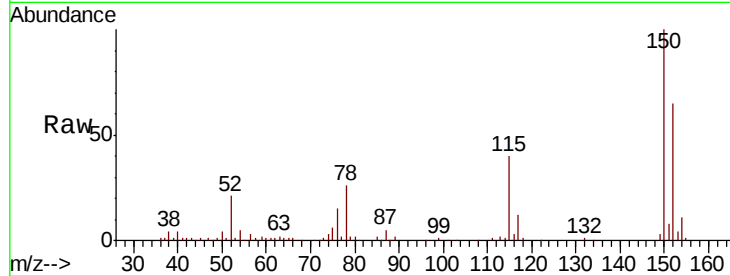


#1

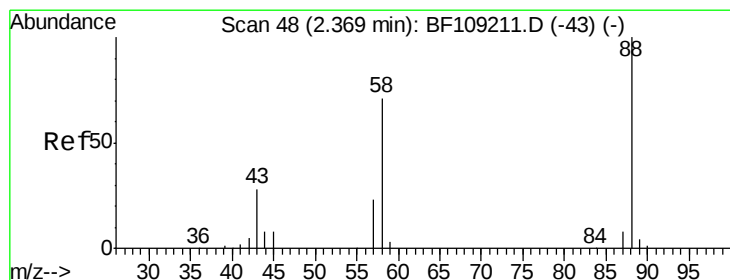
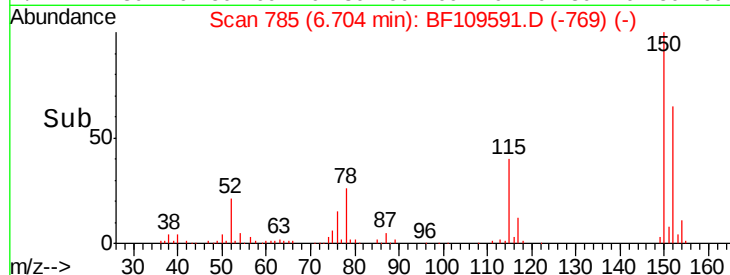
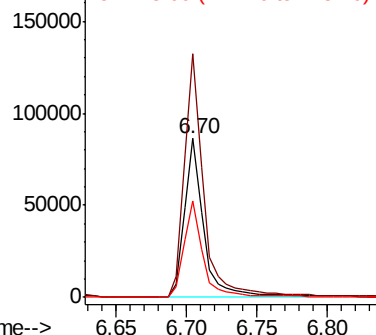
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

Instrument :
BNA_F
ClientSampleId :
DSN-001A-092818

Tgt Ion:152 Resp: 82575
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 60.7 50.1 75.1



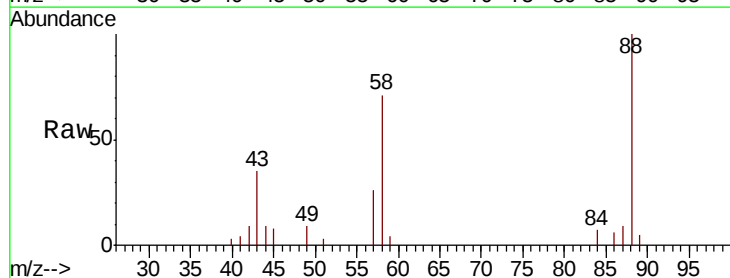
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



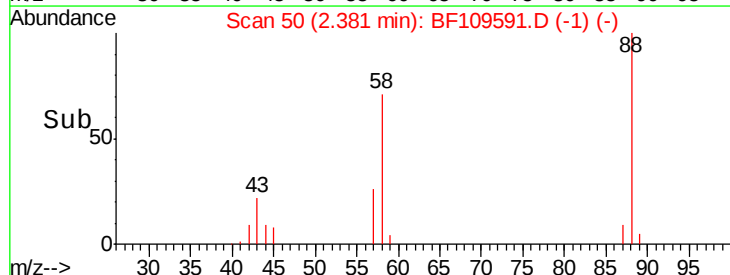
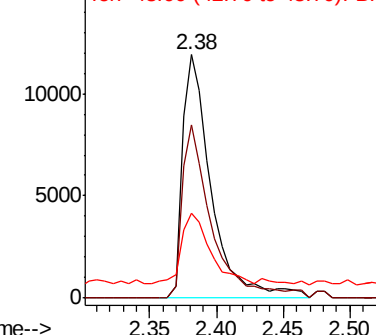
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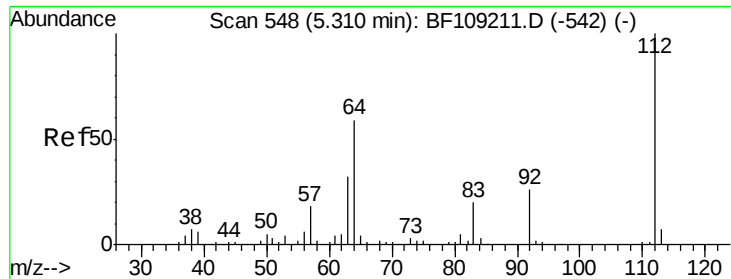
1,4-Dioxane
Concen: 7.828 ng
RT: 2.38 min Scan# 50
Delta R.T. 0.01 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

Tgt Ion: 88 Resp: 18075
Ion Ratio Lower Upper
88 100
58 73.1 62.6 93.8
43 28.6 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

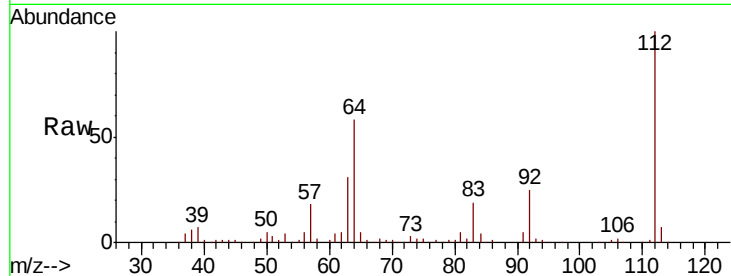




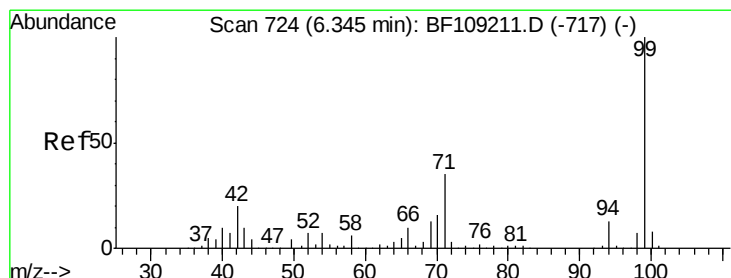
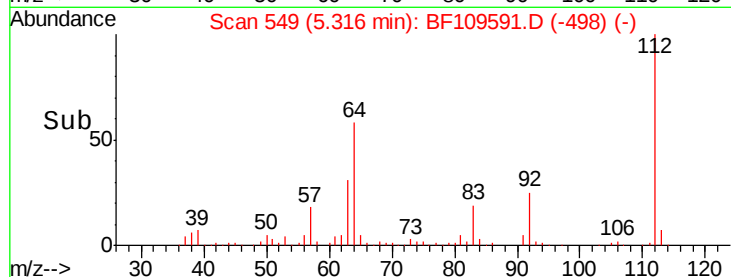
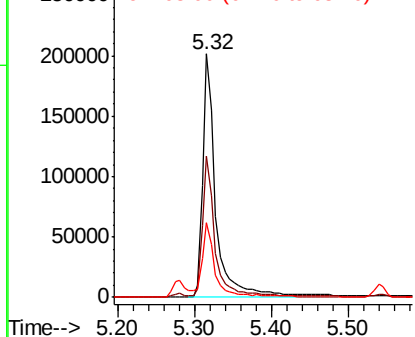
#5
 2-Fluorophenol
 Concen: 48.744 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF109591.D
 Acq: 4 Oct 2018 17:14

Instrument :
 BNA_F
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 DSN-001A-092818

Tgt Ion: 112 Resp: 244376
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.9 71.9
 63 30.8 23.7 35.5

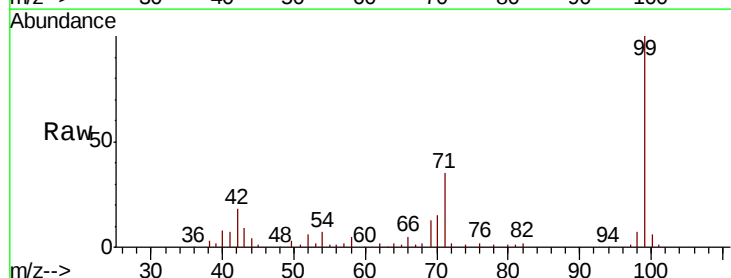


Abundance Ion 112.00 (111.70 to 112.70): BF1
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

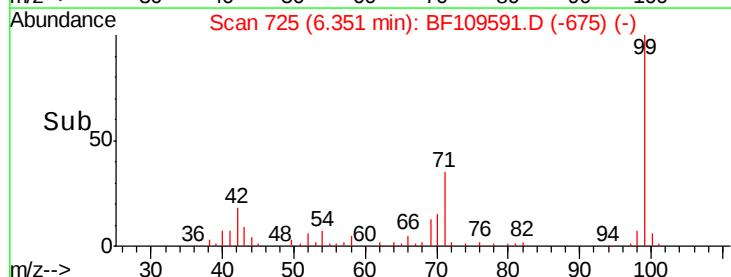
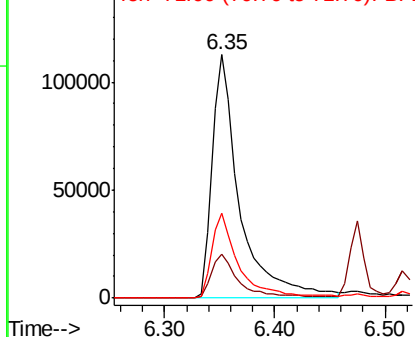


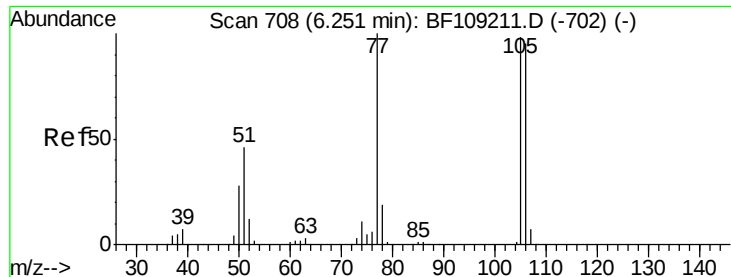
#7
 Phenol-d6
 Concen: 30.228 ng
 RT: 6.35 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF109591.D
 Acq: 4 Oct 2018 17:14

Tgt Ion: 99 Resp: 193380
 Ion Ratio Lower Upper
 99 100
 42 18.1 14.5 21.7
 71 35.0 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





#9

Benzaldehyde

Concen: 2.715 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.22 min

Lab File: BF109591.D

Acq: 4 Oct 2018 17:14

Instrument :

BNA_F

ClientSampleId :

DSN-001A-092818

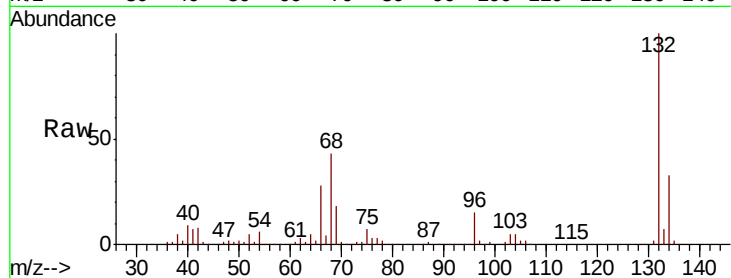
Tgt Ion: 77 Resp: 11156

Ion Ratio Lower Upper

77 100

105 78.1 81.1 121.1#

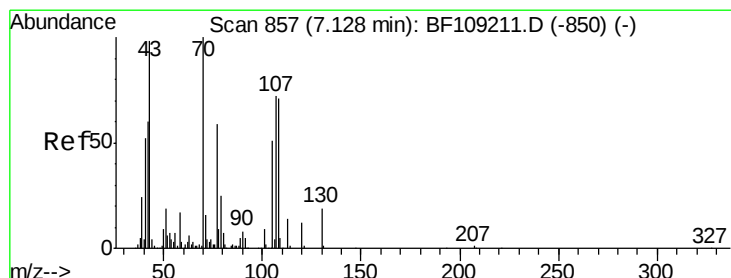
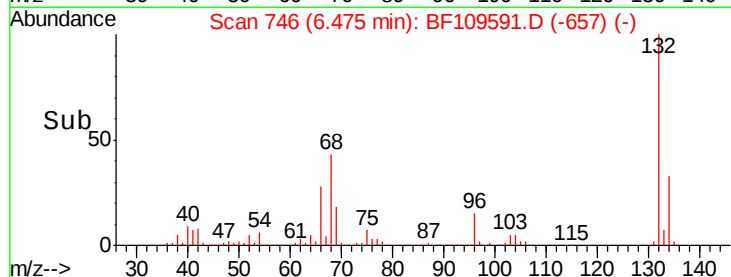
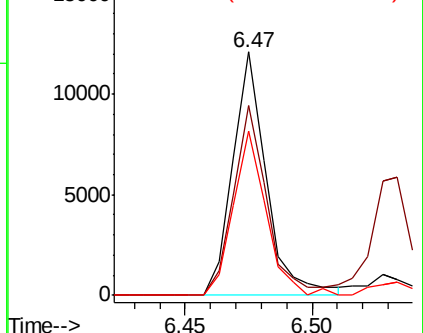
106 67.2 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 15.357 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109591.D

Acq: 4 Oct 2018 17:14

Tgt Ion: 70 Resp: 64375

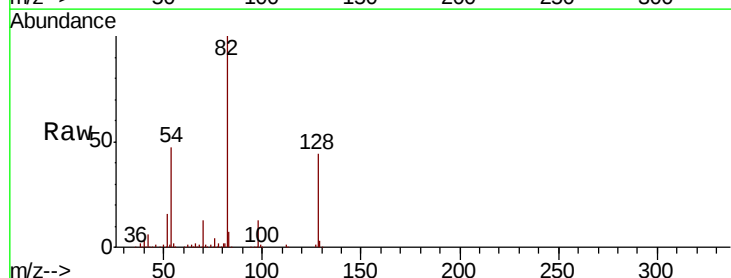
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

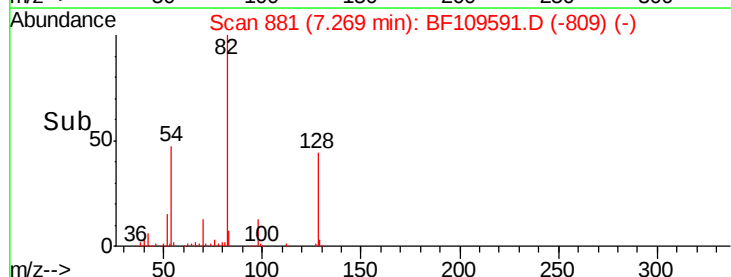
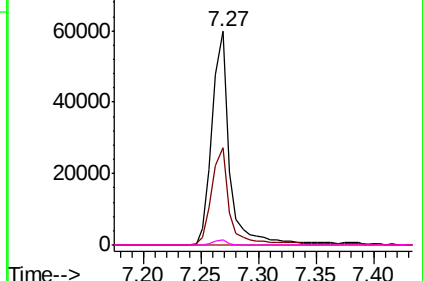


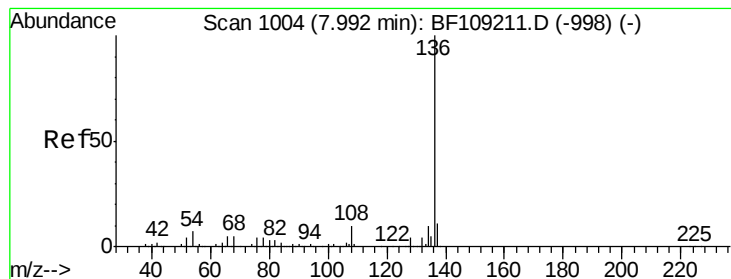
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109591.D

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Instrument :

BNA_F

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DSN-001A-092818

Tgt Ion: 136 Resp: 313185

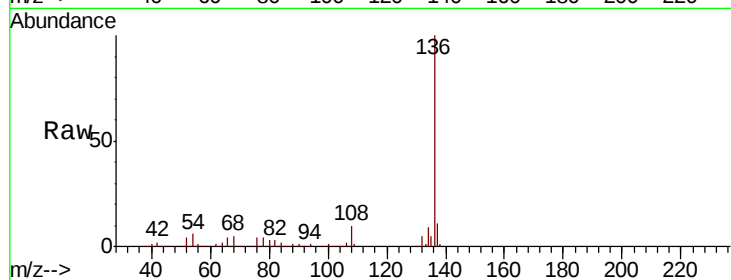
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.3 6.6 9.8#

68 5.3 5.0 7.4

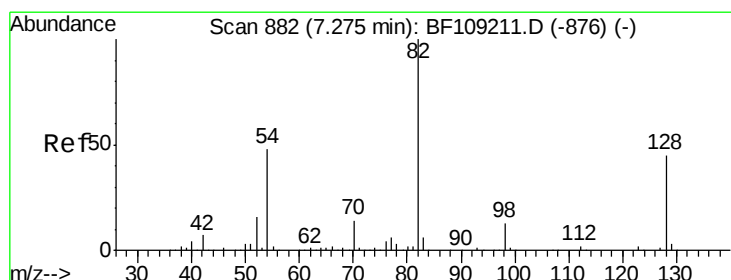
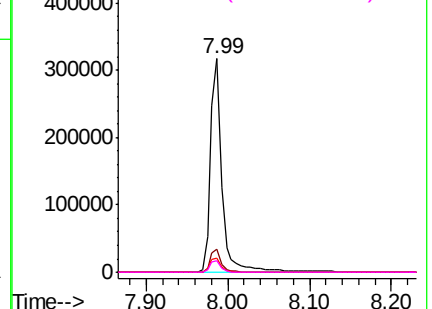
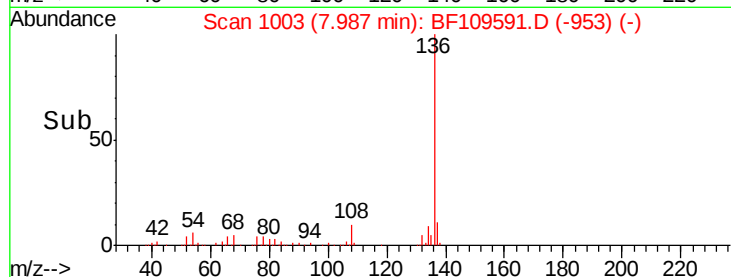


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.776 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109591.D

Acq: 4 Oct 2018 17:14

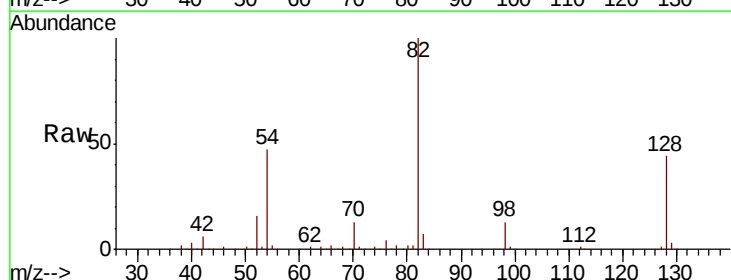
Tgt Ion: 82 Resp: 481600

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

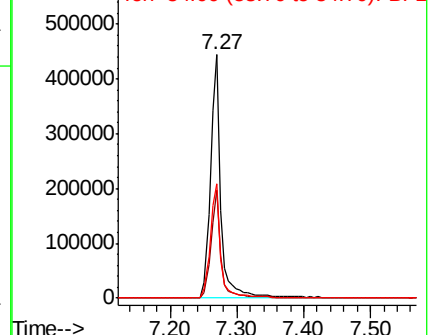
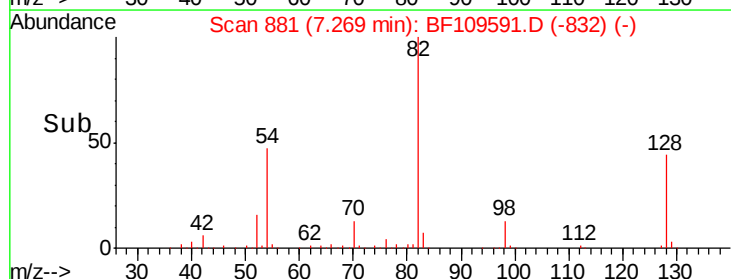
54 46.8 41.4 62.2

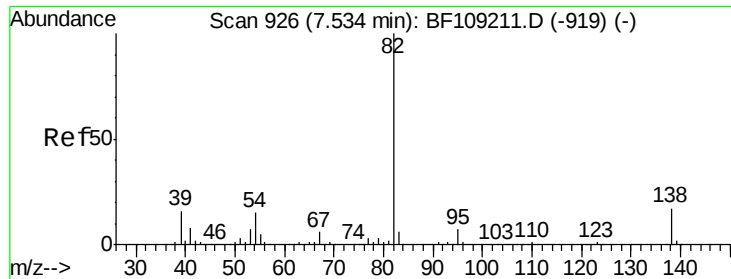


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

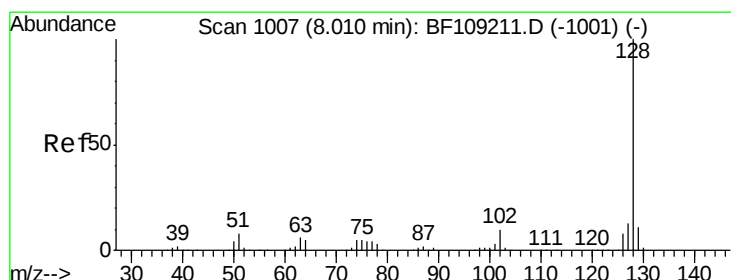
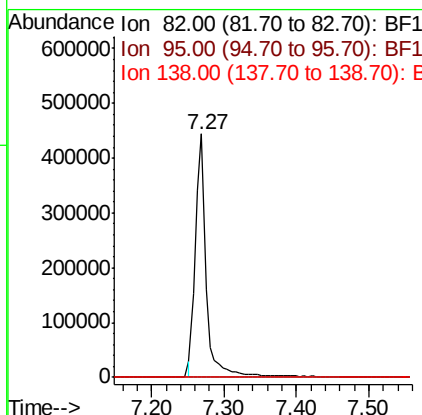
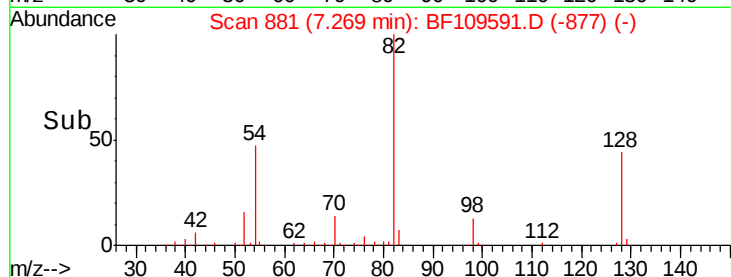
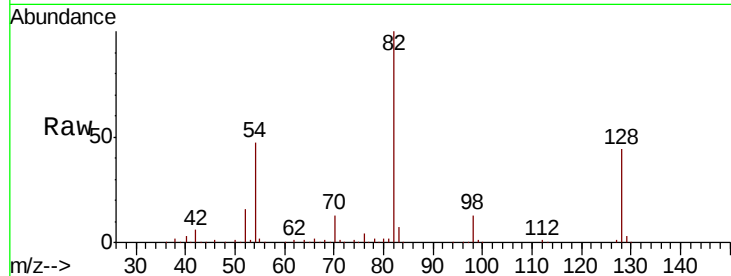




#25
Isophorone
Concen: 48.074 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

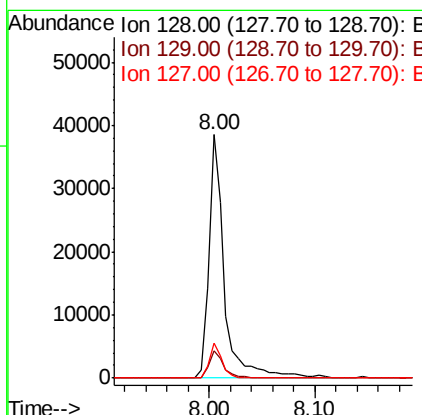
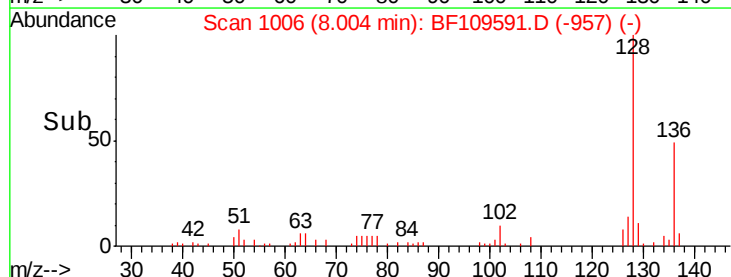
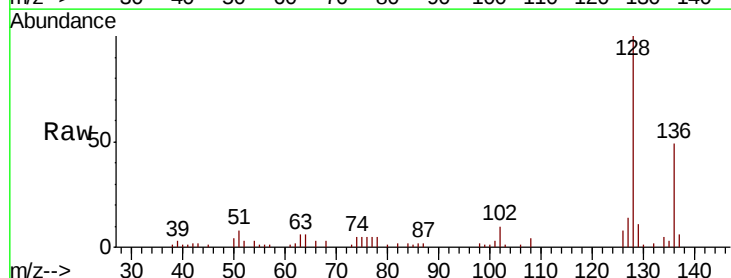
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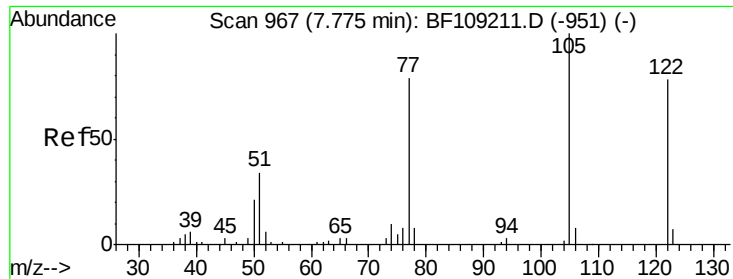
Tgt Ion: 82 Resp: 459283
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 2.672 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

Tgt Ion: 128 Resp: 39104
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 14.4 10.9 16.3

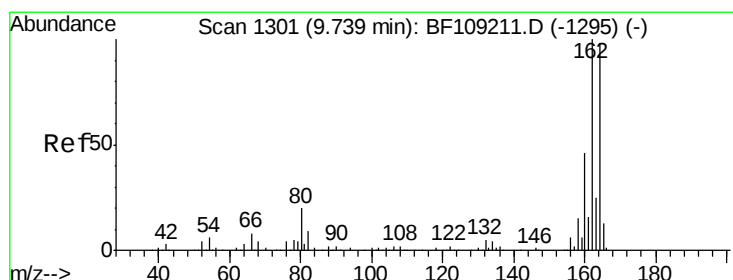
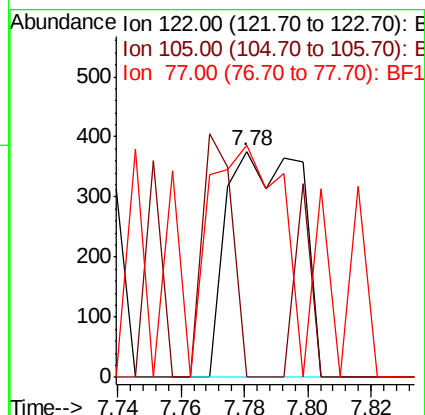
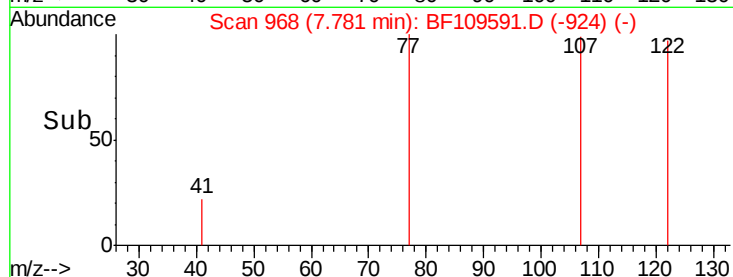
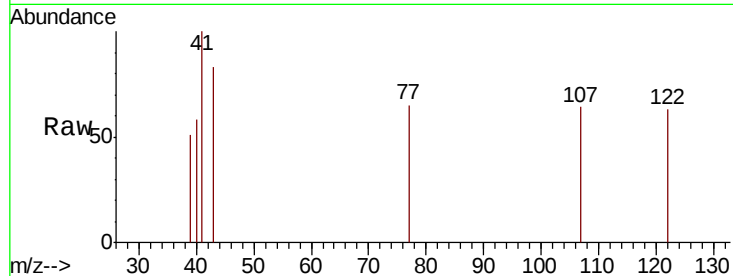




#32
Benzoic acid
Concen: 6.982 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.04 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

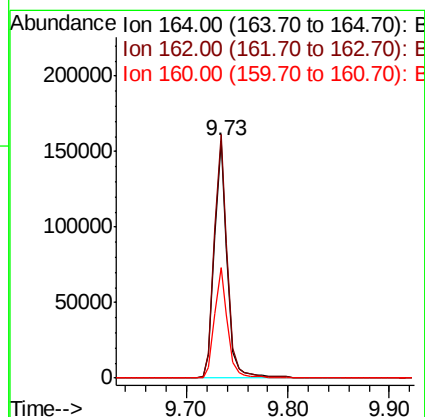
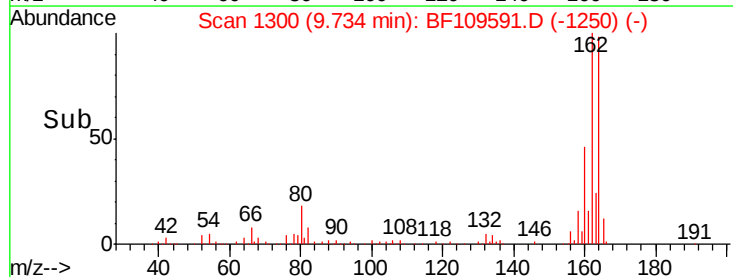
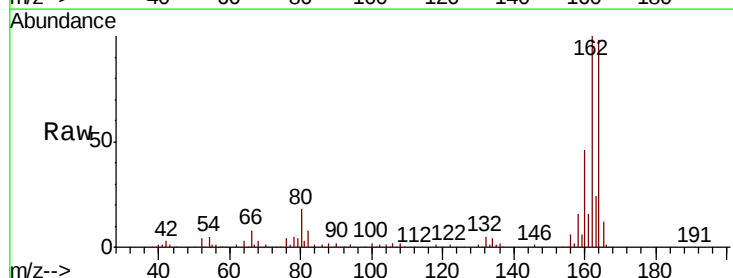
Instrument :
BNA_F
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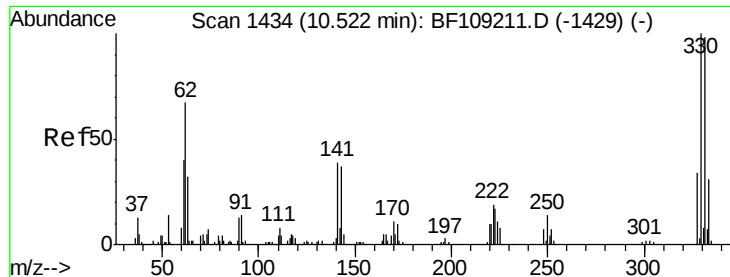
Tgt Ion:122 Resp: 611
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 102.7 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

Tgt Ion:164 Resp: 139247
Ion Ratio Lower Upper
164 100
162 102.5 86.1 129.1
160 46.8 38.3 57.5

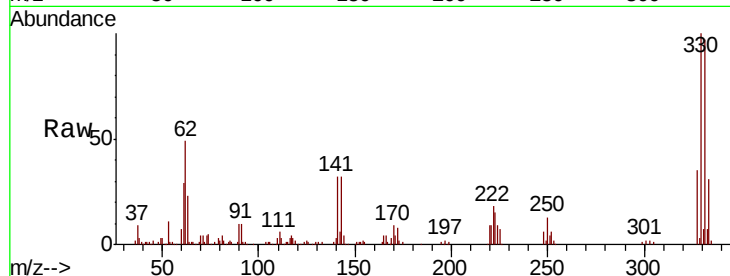




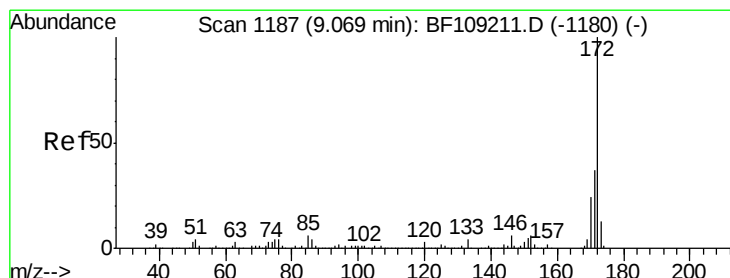
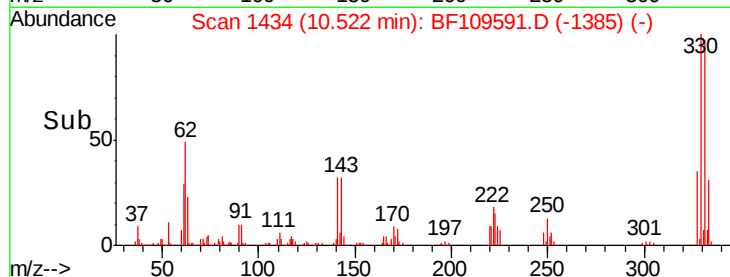
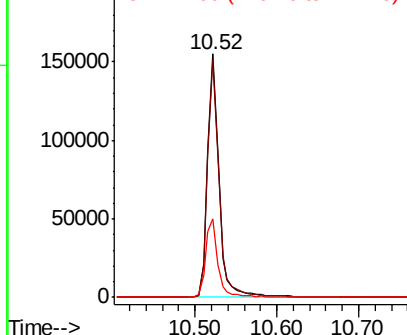
#41
 2,4,6-Tribromophenol
 Concen: 111.522 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109591.D
 Acq: 4 Oct 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :
 DSN-001A-092818

Tgt Ion:330 Resp: 153085
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 33.9 29.9 44.9

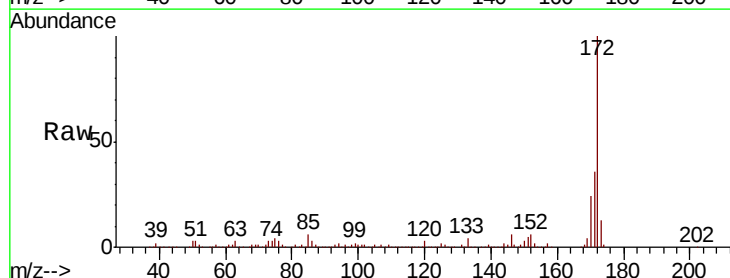


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

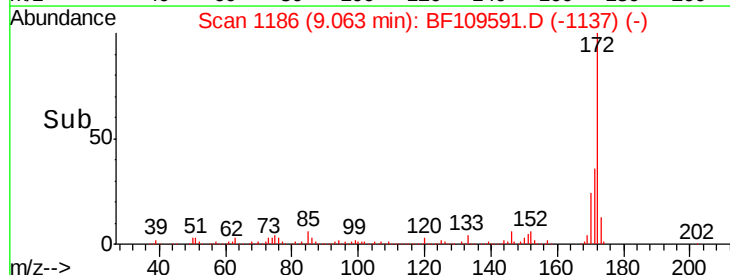
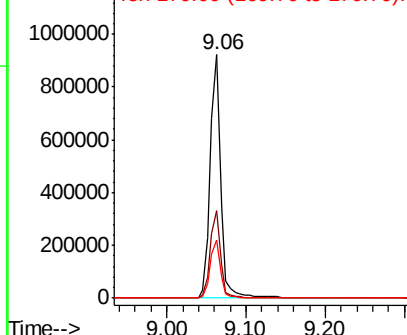


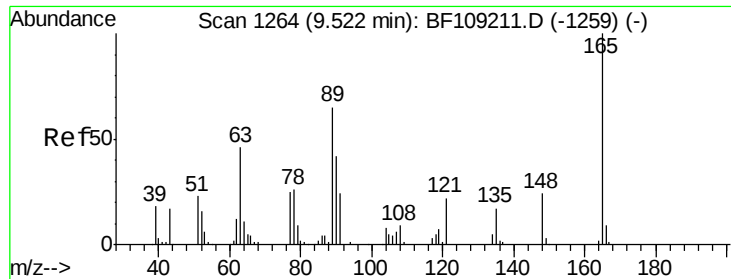
#44
 2-Fluorobiphenyl
 Concen: 92.979 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109591.D
 Acq: 4 Oct 2018 17:14

Tgt Ion:172 Resp: 858445
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.0 19.6 29.4



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

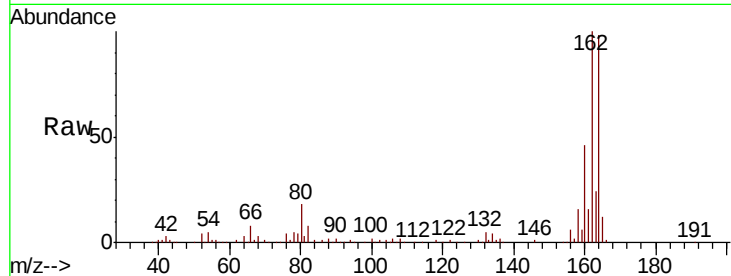




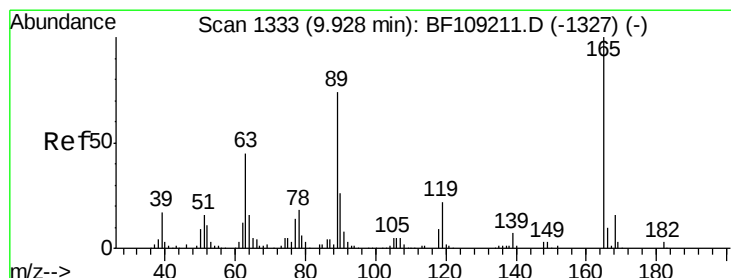
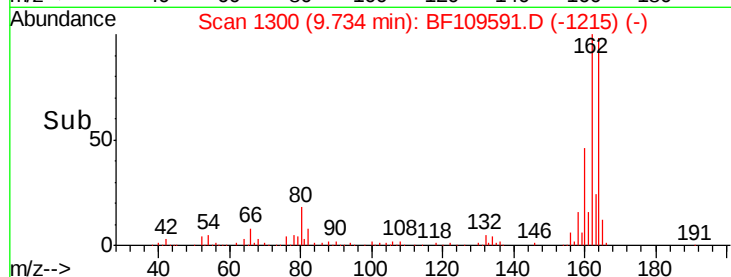
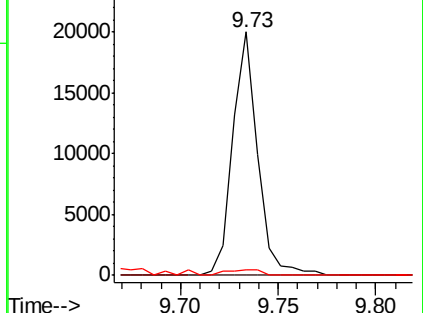
#50
 2,6-Dinitrotoluene
 Concen: 8.849 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.20 min
 Lab File: BF109591.D
 Acq: 4 Oct 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :
 DSN-001A-092818

Tgt Ion:165 Resp: 17750
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 2.4 44.0 66.0#

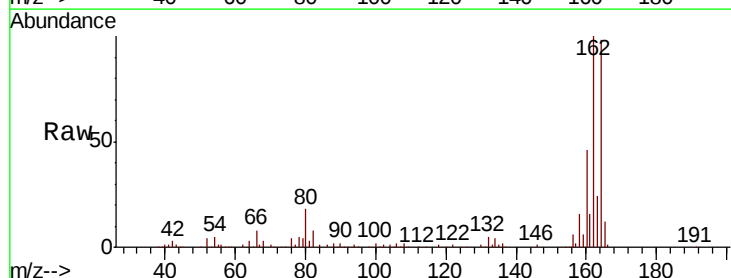


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

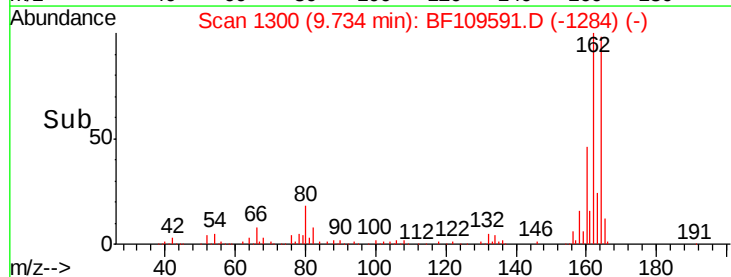
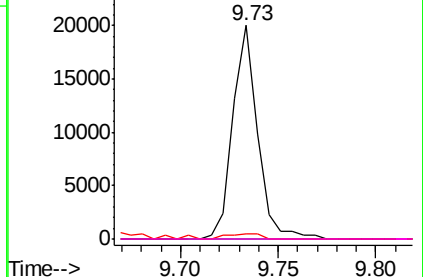


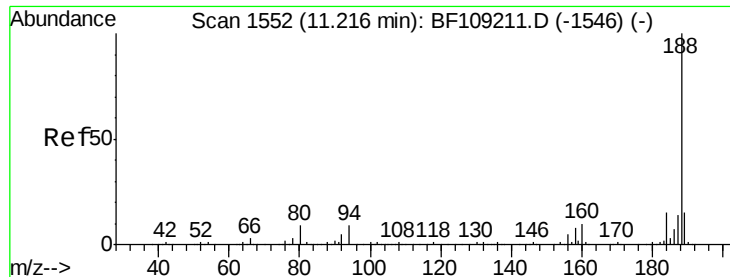
#56
 2,4-Dinitrotoluene
 Concen: 6.994 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109591.D
 Acq: 4 Oct 2018 17:14

Tgt Ion:165 Resp: 17750
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 2.4 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

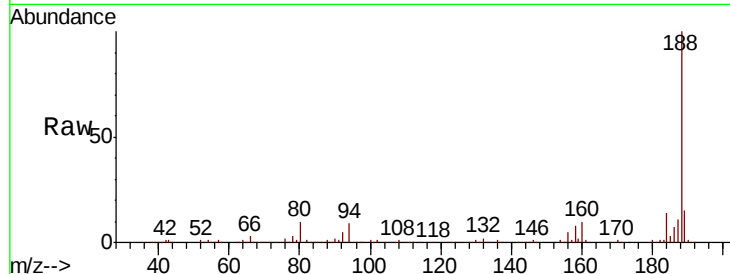




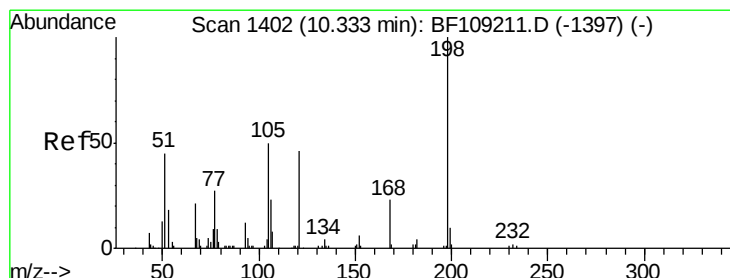
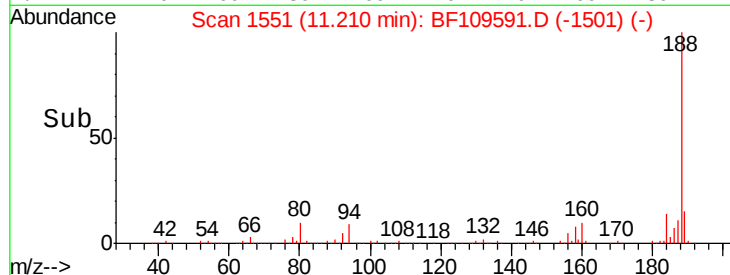
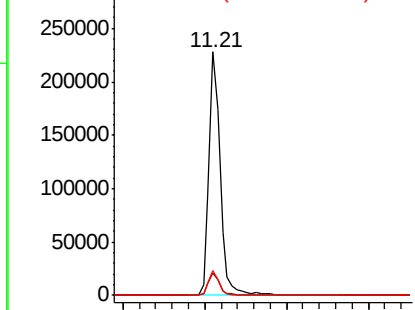
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

Instrument :
BNA_F
ClientSampleId :
DSN-001A-092818

Tgt Ion:188 Resp: 219326
Ion Ratio Lower Upper
188 100
94 8.9 8.5 12.7
80 10.0 9.2 13.8

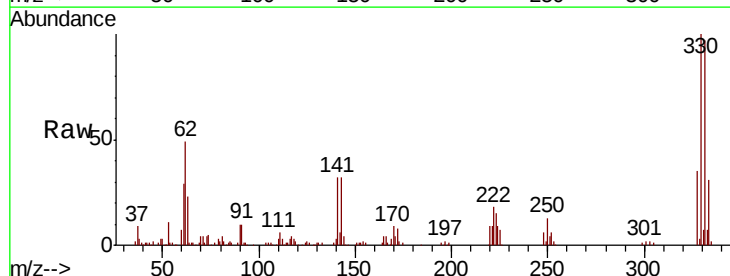


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

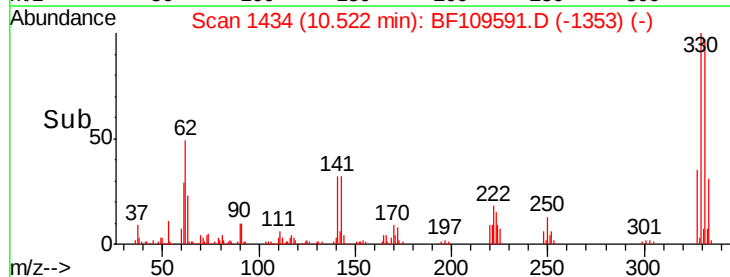
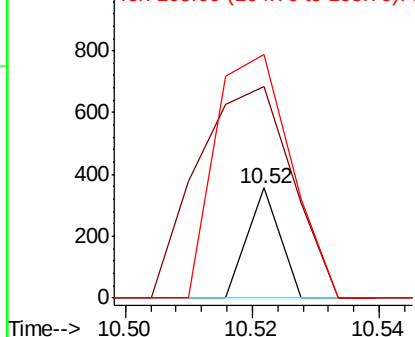


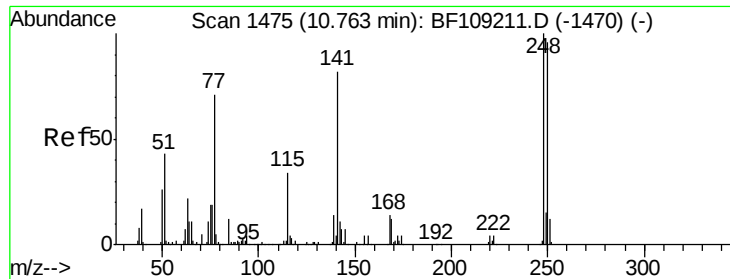
#64
4,6-Dinitro-2-methylphenol
Concen: 6.644 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.18 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

Tgt Ion:198 Resp: 126
Ion Ratio Lower Upper
198 100
51 191.6 37.7 77.7#
105 220.7 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

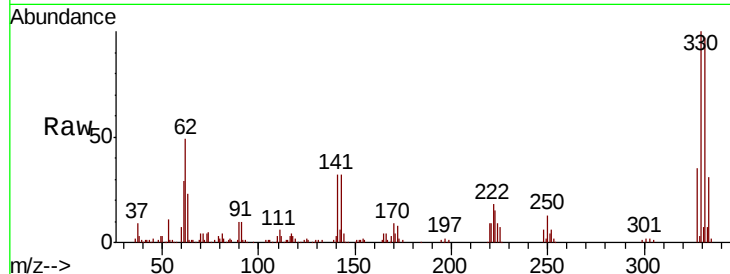




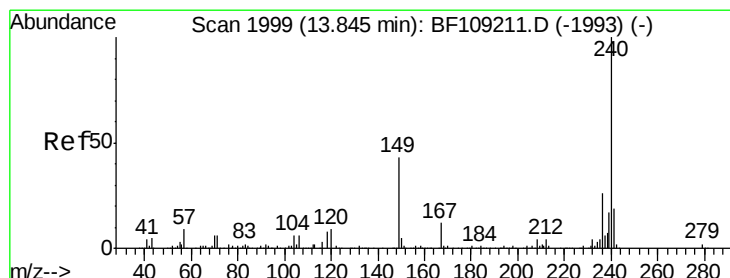
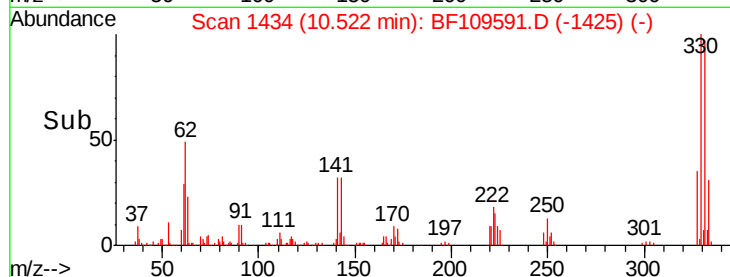
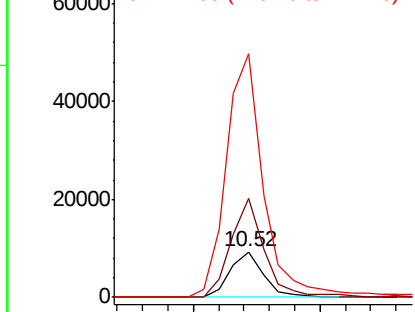
#66
4-Bromophenyl-phenylether
Concen: 3.565 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

Instrument :
BNA_F
ClientSampleId :
DSN-001A-092818

Tgt Ion:248 Resp: 8683
Ion Ratio Lower Upper
248 100
250 216.5 76.9 115.3#
141 534.2 74.4 111.6#

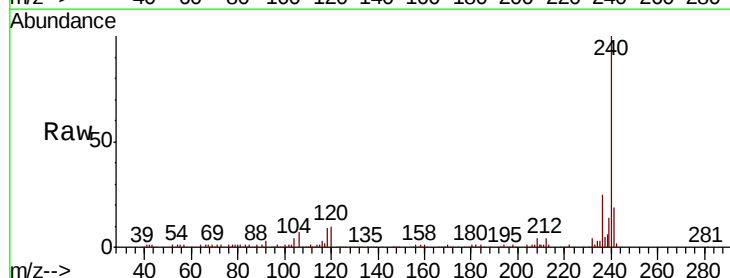


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

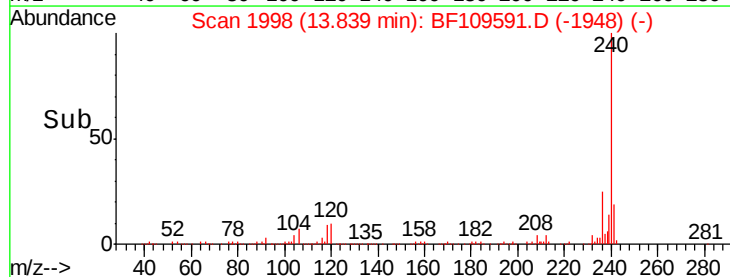
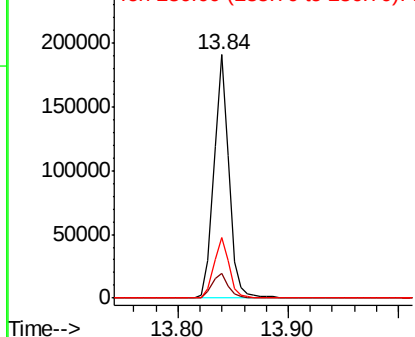


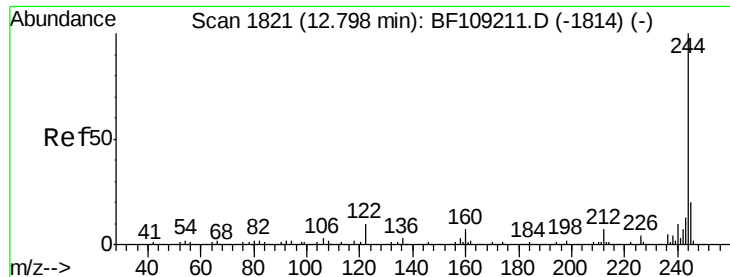
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109591.D
Acq: 4 Oct 2018 17:14

Tgt Ion:240 Resp: 178281
Ion Ratio Lower Upper
240 100
120 10.2 9.5 14.3
236 24.9 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





#78

Terphenyl-d14

Concen: 80.753 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109591.D

Acq: 4 Oct 2018 17:14

Instrument :

BNA_F

ClientSampleId :

DSN-001A-092818

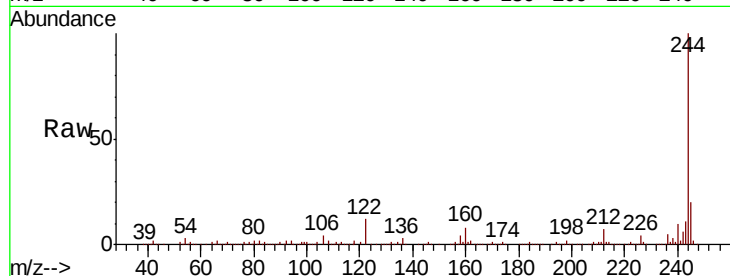
Tgt Ion:244 Resp: 586622

Ion Ratio Lower Upper

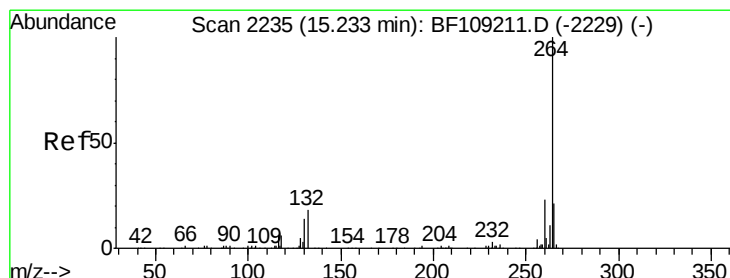
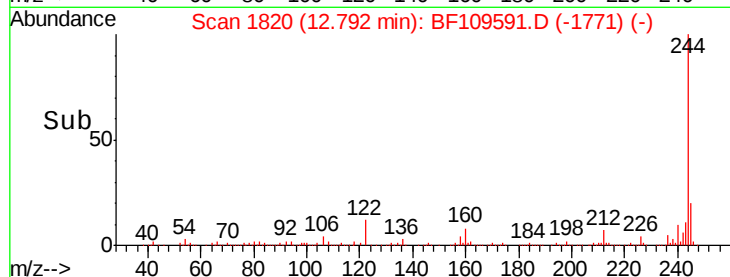
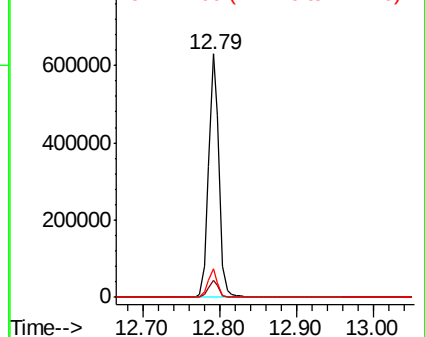
244 100

212 7.2 5.4 8.0

122 11.7 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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109591.D

Acq: 4 Oct 2018 17:14

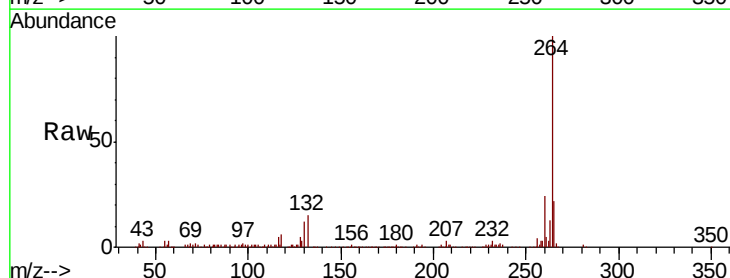
Tgt Ion:264 Resp: 175584

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.3 17.5 26.3



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

