

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098091.D
 Acq On : 29 Aug 2017 2:53
 Operator : SJ/JU
 Sample : I4970-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-FRAC-TANK

Quant Time: Aug 29 07:56:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

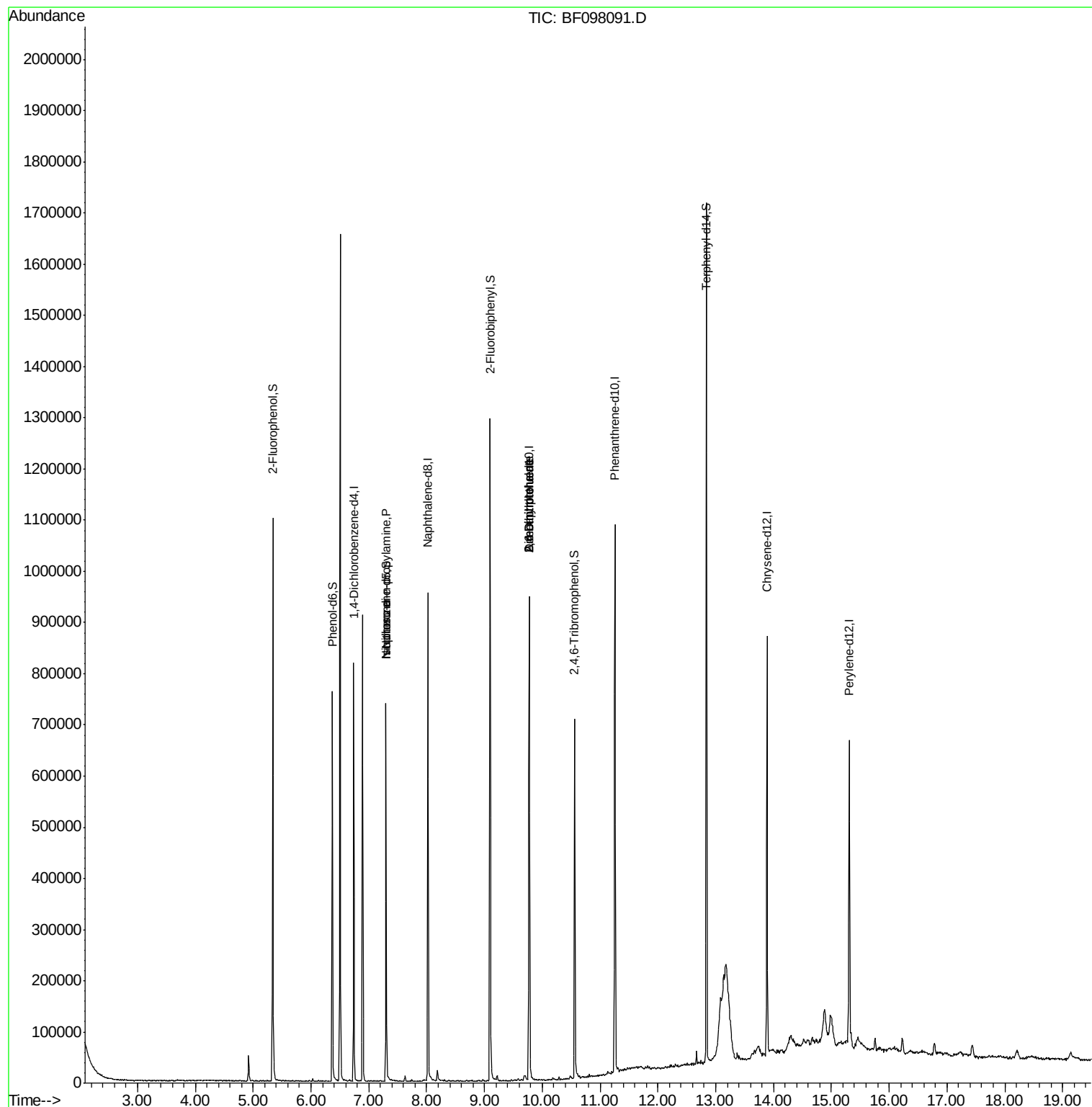
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	106521	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	419142	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	181247	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	361473	20.00	ng	0.00
75) Chrysene-d12	13.89	240	277430	20.00	ng	-0.01
86) Perylene-d12	15.31	264	264602	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	285165	40.72	ng	-0.01
7) Phenol-d6	6.37	99	244846	25.73	ng	-0.02
23) Nitrobenzene-d5	7.30	82	253711	32.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	75548	48.04	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	384898	31.20	ng	-0.01
78) Terphenyl-d14	12.84	244	479937	36.08	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	32969	5.062	ng	# 71
25) Isophorone	7.30	82	248691	15.501	ng	# 67
49) Dimethylphthalate	9.77	163	44943	3.392	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	23418	8.855	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	23418	7.056	ng	# 33

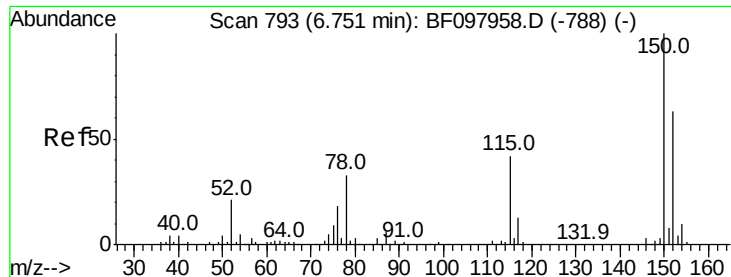
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration



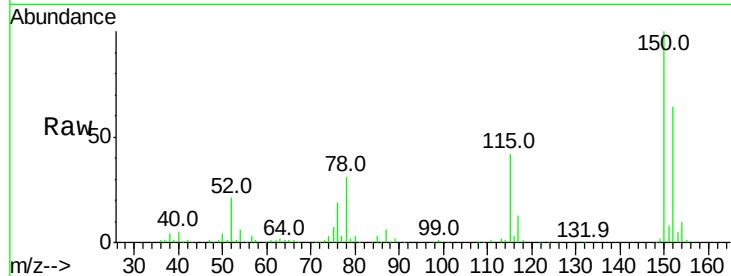


#1

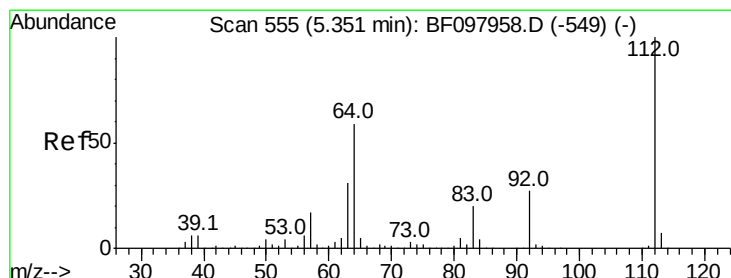
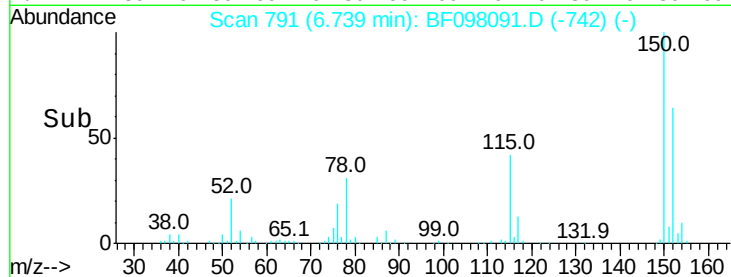
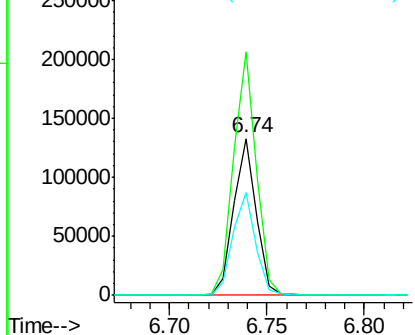
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098091.D
Acq: 29 Aug 2017 2:53

Instrument :
BNA_F
ClientSampleId :
HAMILTON-FRAC-TANK

Tot Ion:152 Resp: 106521
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 65.3 52.2 78.2



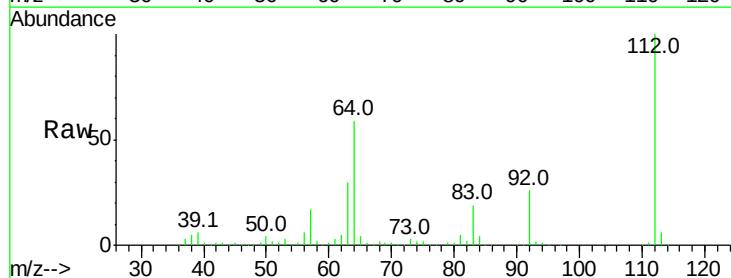
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



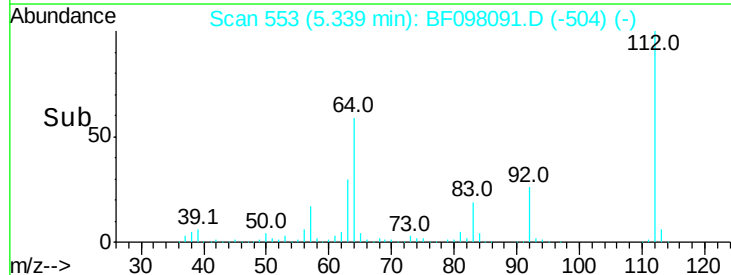
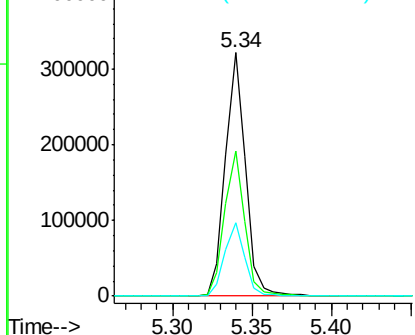
#5

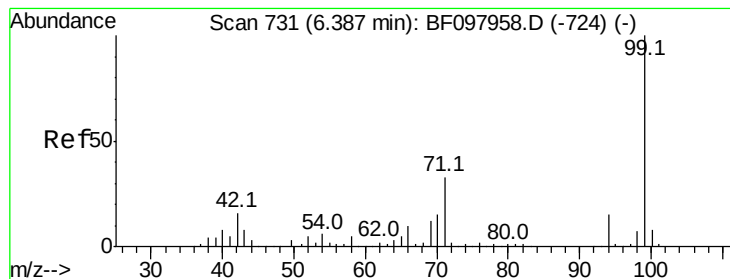
2-Fluorophenol
Concen: 40.720 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF098091.D
Acq: 29 Aug 2017 2:53

Tgt Ion:112 Resp: 285165
Ion Ratio Lower Upper
112 100
64 59.4 46.0 69.0
63 30.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.732 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

Instrument :

BNA_F

ClientSampleId :

HAMILTON-FRAC-TANK

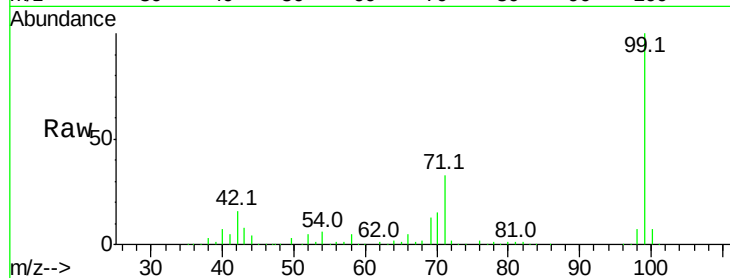
Tot Ion: 99 Resp: 244846

Ion Ratio Lower Upper

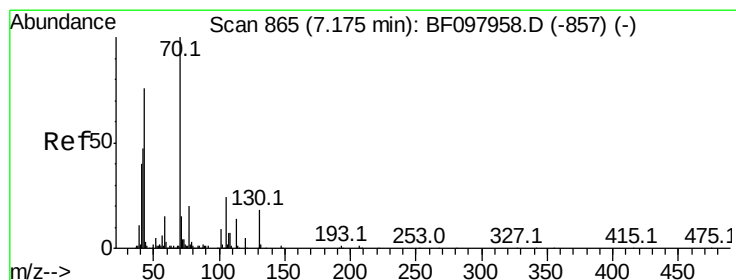
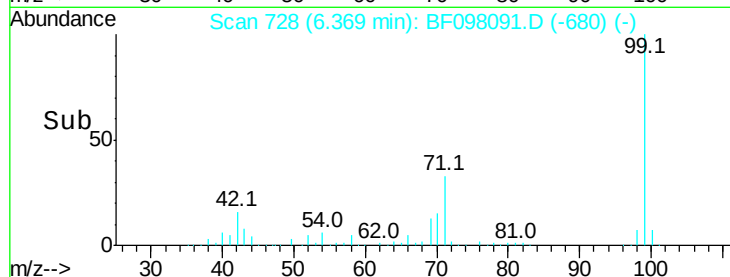
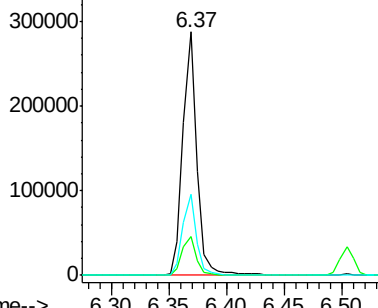
99 100

42 15.9 13.5 20.3

71 33.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 5.062 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

Tgt Ion: 70 Resp: 32969

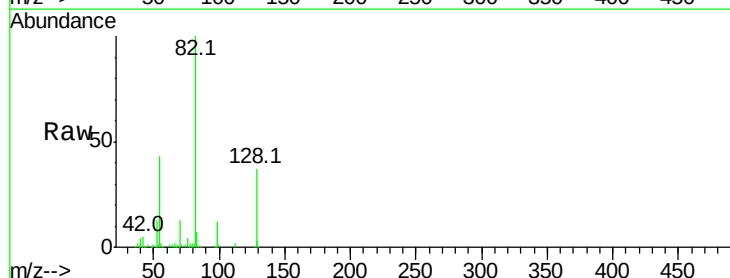
Ion Ratio Lower Upper

70 100

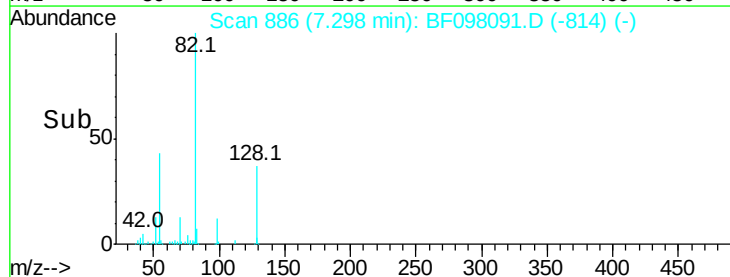
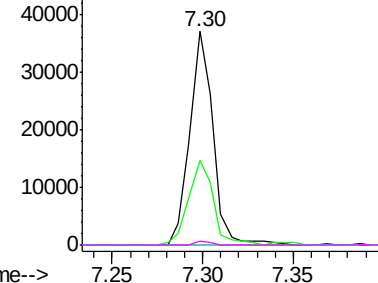
42 39.5 47.2 70.8#

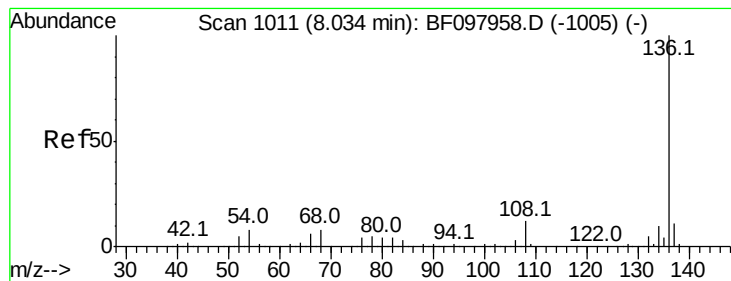
101 0.0 7.2 10.8#

130 1.9 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

Instrument :

BNA_F

ClientSampleId :

HAMILTON-FRAC-TANK

Tot Ion:136 Resp: 419142

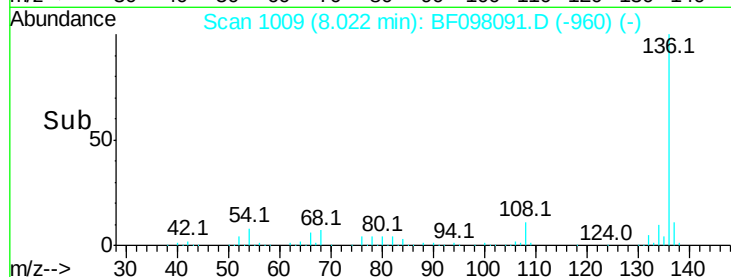
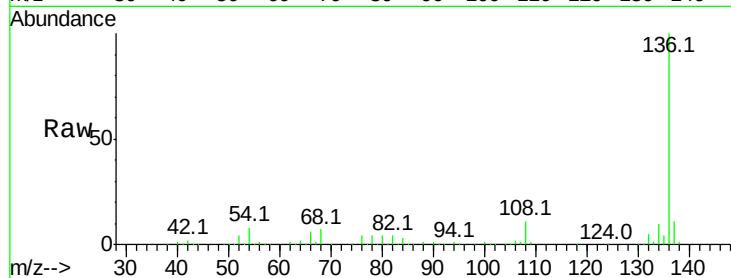
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.6 4.9 7.3#

68 7.0 4.1 6.1#

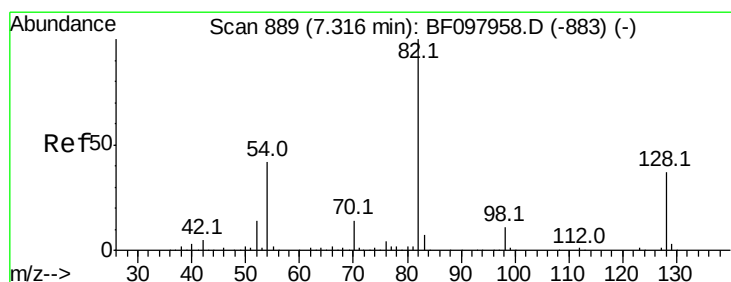
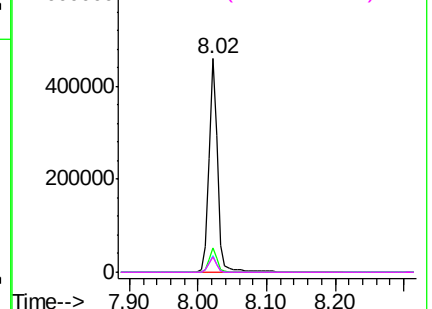


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 32.883 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

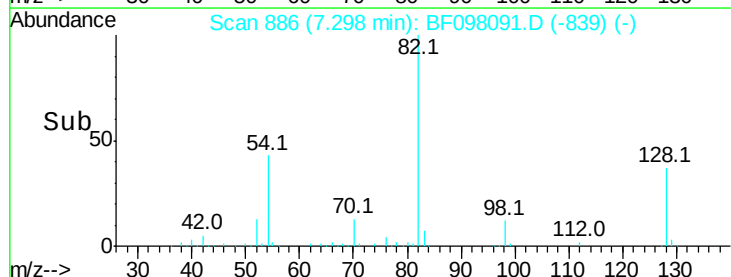
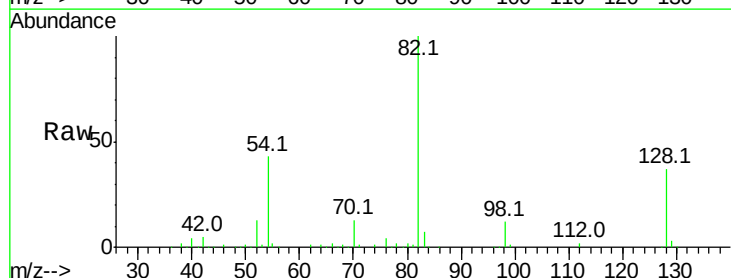
Tgt Ion: 82 Resp: 253711

Ion Ratio Lower Upper

82 100

128 36.5 34.0 51.0

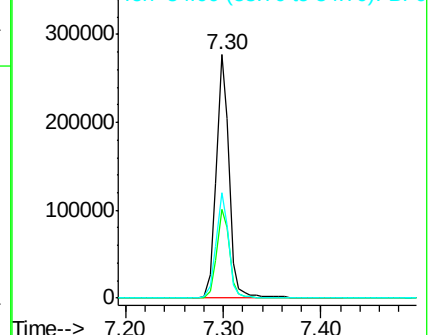
54 43.3 42.2 63.2

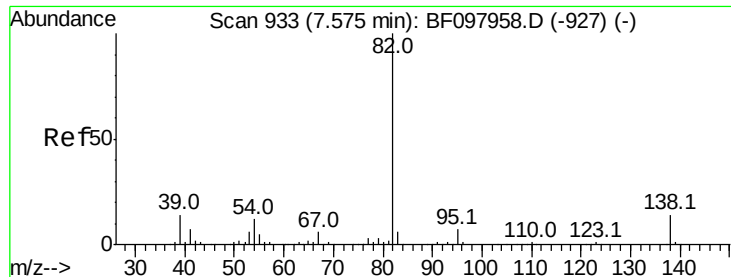


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 15.501 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

Instrument :

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ClientSampleId :

HAMILTON-FRAC-TANK

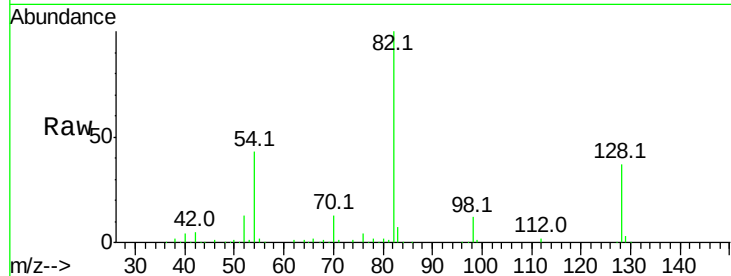
Tot Ion: 82 Resp: 248691

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

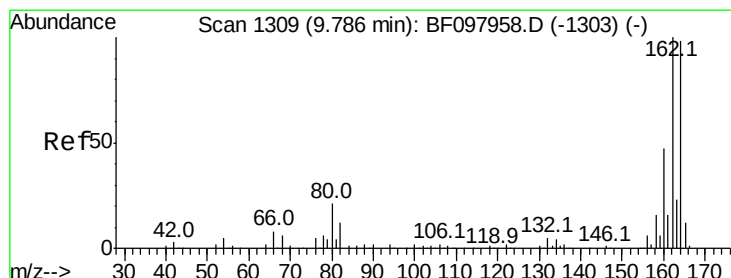
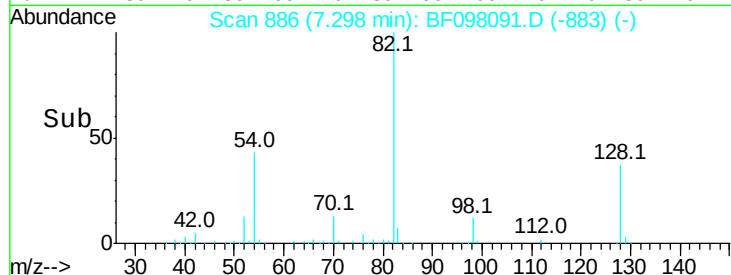
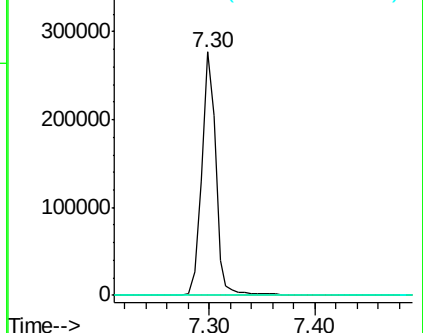
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

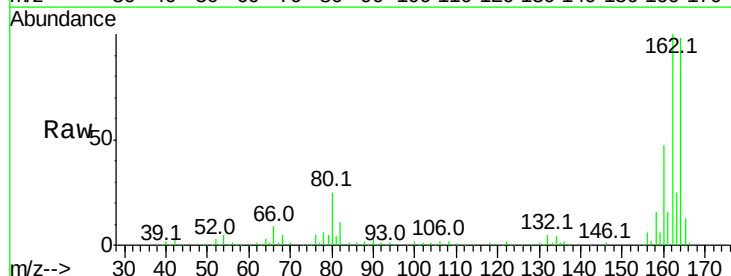
Tgt Ion:164 Resp: 181247

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

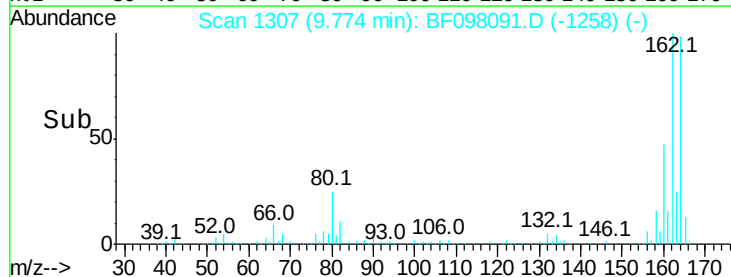
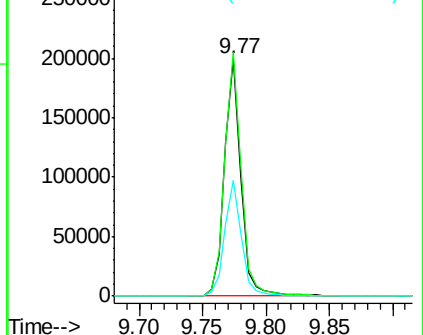
160 48.6 36.2 54.2

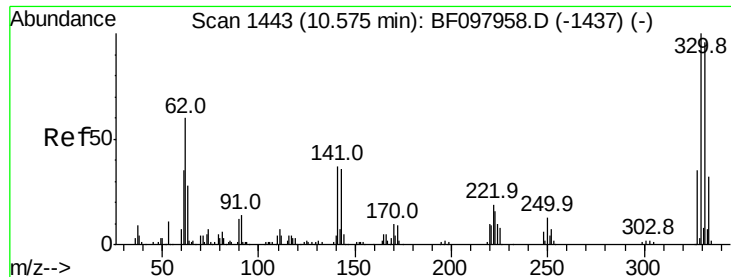


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 48.040 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

Instrument :

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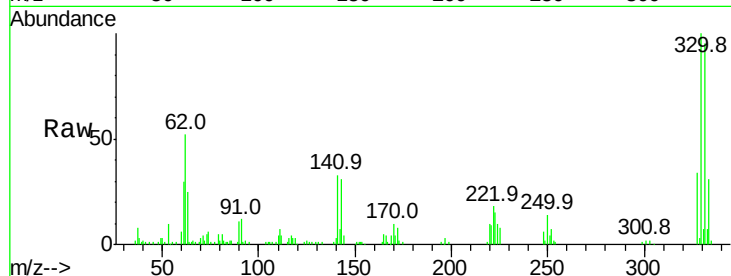
Tot Ion:330 Resp: 75548

Ion Ratio Lower Upper

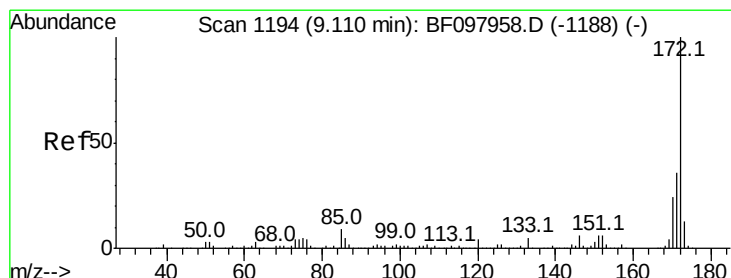
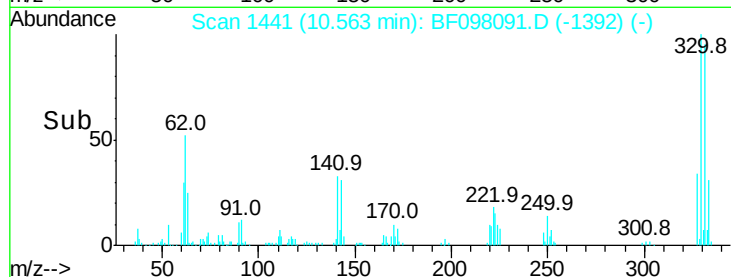
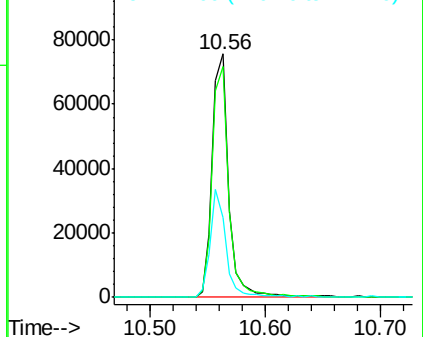
330 100

332 95.3 76.6 115.0

141 41.9 31.4 47.2



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: 31.200 ng

RT: 9.10 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

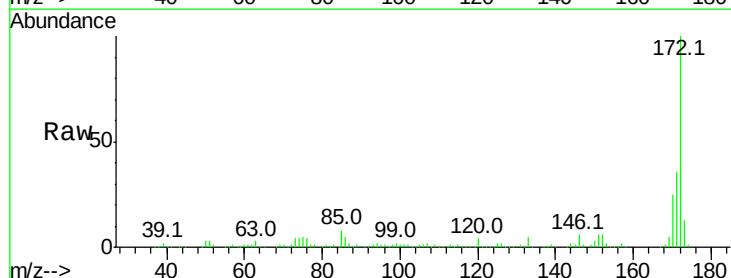
Tgt Ion:172 Resp: 384898

Ion Ratio Lower Upper

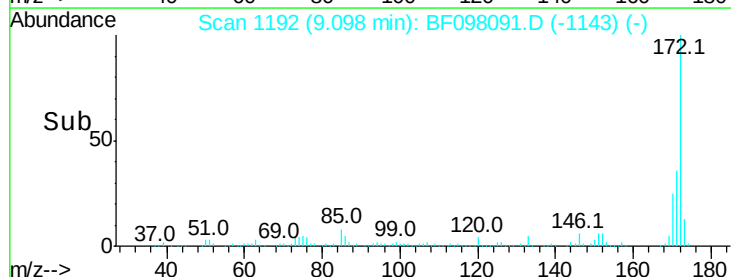
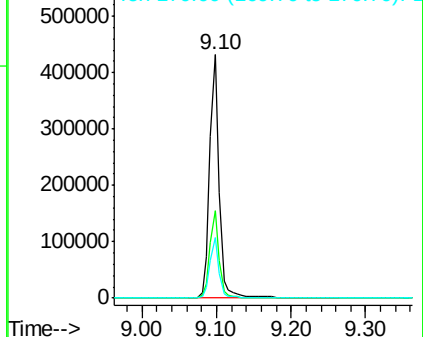
172 100

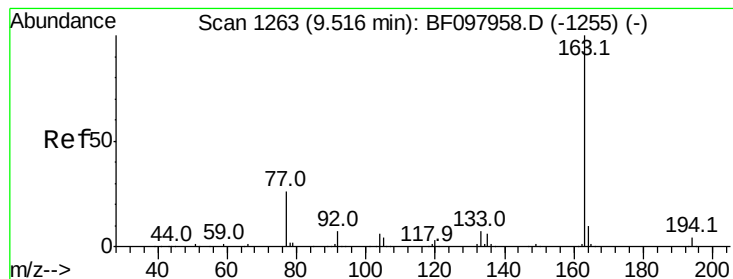
171 35.7 29.6 44.4

170 24.7 19.8 29.8



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





#49

Dimethylphthalate

Concen: 3.392 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.26 min

Lab File: BF098091.D

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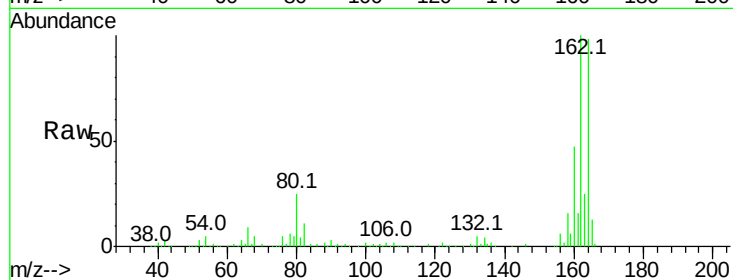
Tot Ion:163 Resp: 44943

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

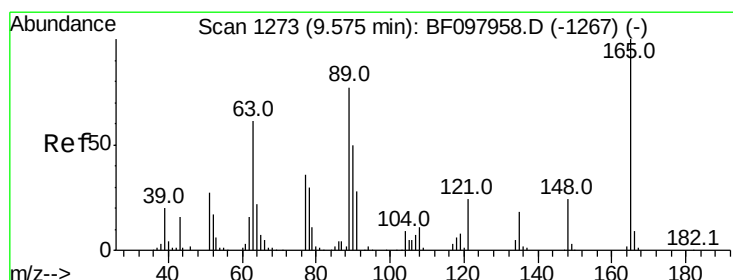
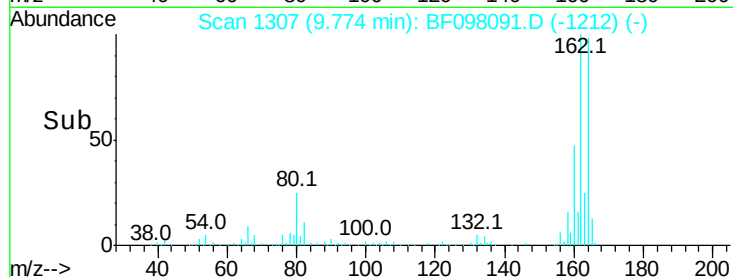
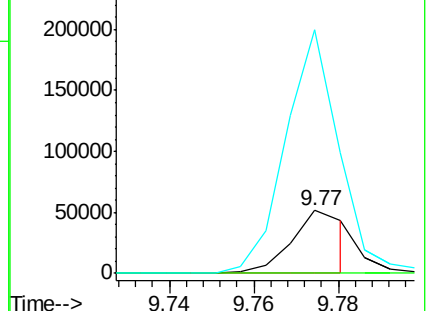
164 388.5 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.855 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.20 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

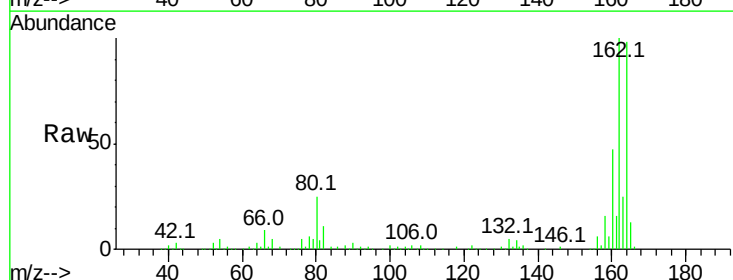
Tgt Ion:165 Resp: 23418

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

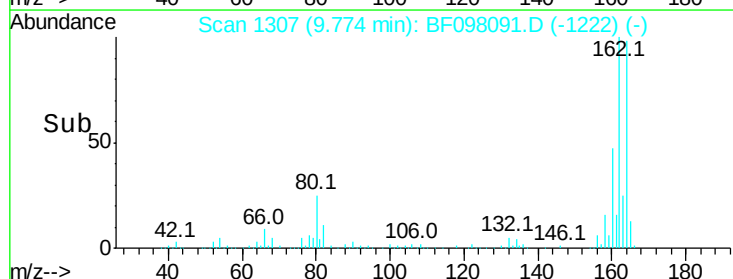
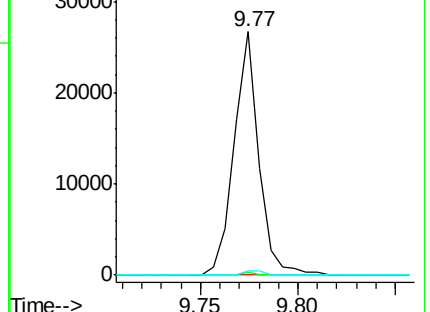
89 1.9 37.1 55.7#

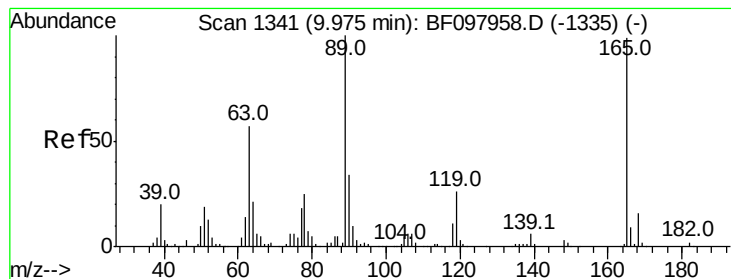


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.056 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

Instrument :

BNA_F

ClientSampleId :

HAMILTON-FRAC-TANK

Tot Ion:165 Resp: 23418

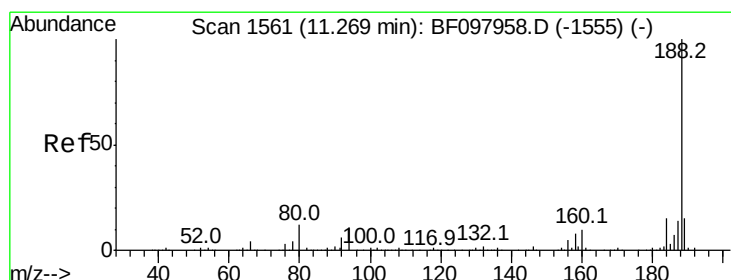
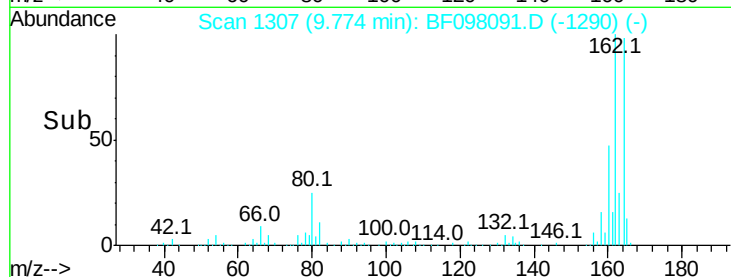
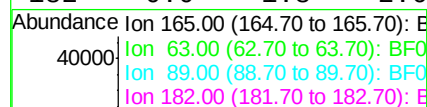
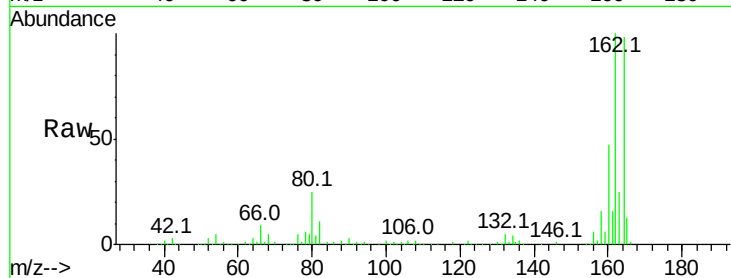
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

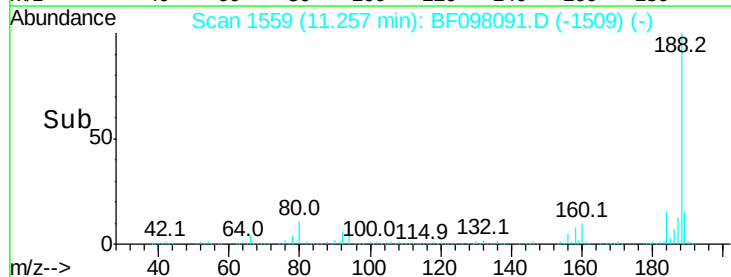
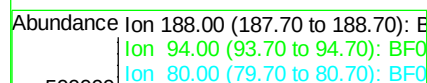
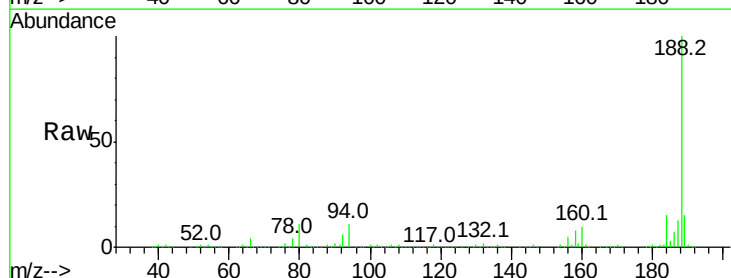
Tgt Ion:188 Resp: 361473

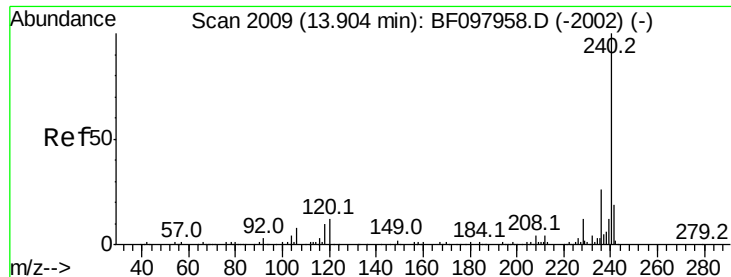
Ion Ratio Lower Upper

188 100

94 11.1 9.4 14.2

80 11.5 10.2 15.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

Instrument :

BNA_F

ClientSampleId :

HAMILTON-FRAC-TANK

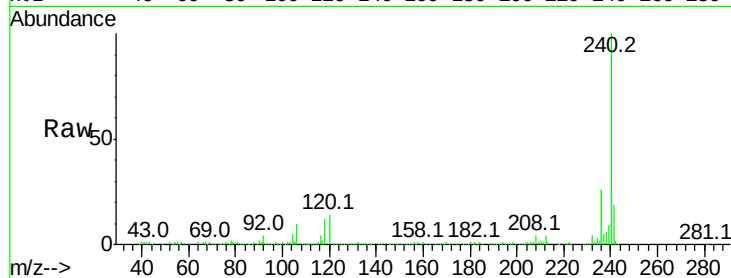
Tot Ion:240 Resp: 277430

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

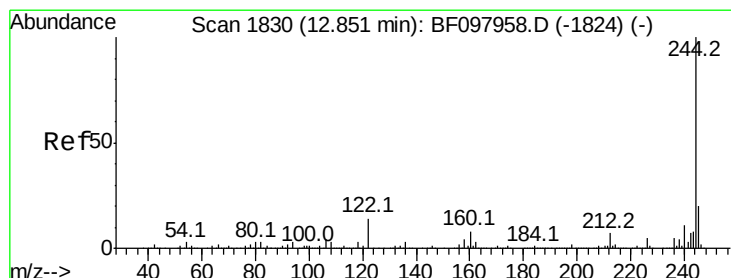
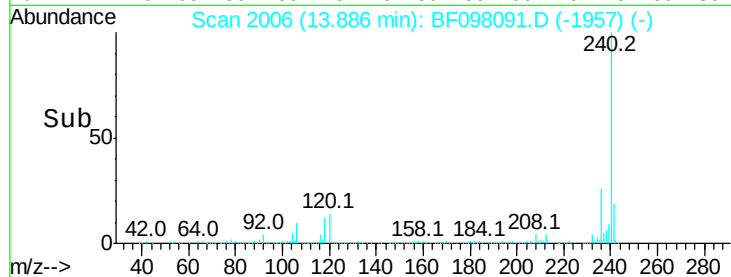
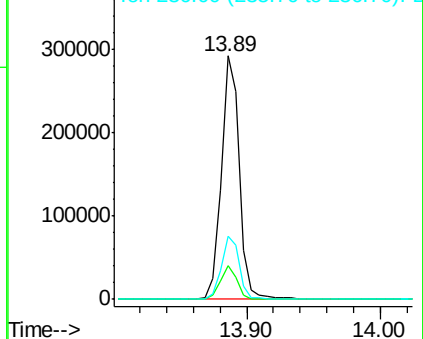
236 25.9 20.5 30.7



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: 36.075 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098091.D

Acq: 29 Aug 2017 2:53

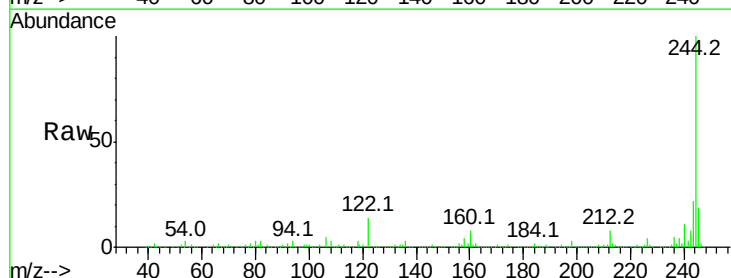
Tgt Ion:244 Resp: 479937

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

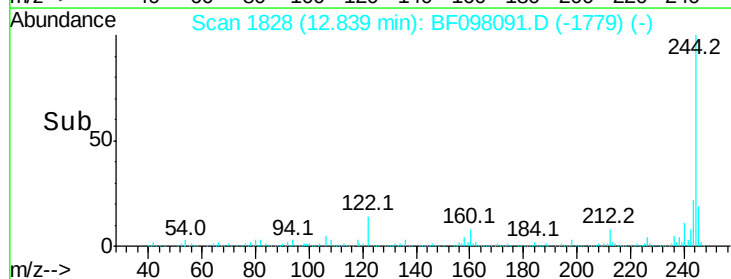
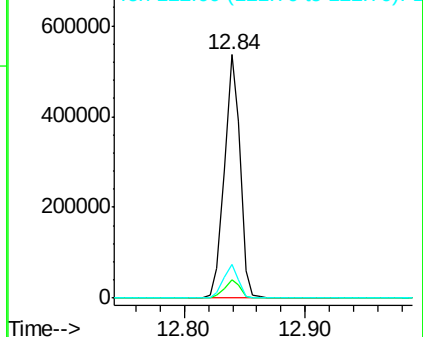
122 13.9 10.3 15.5

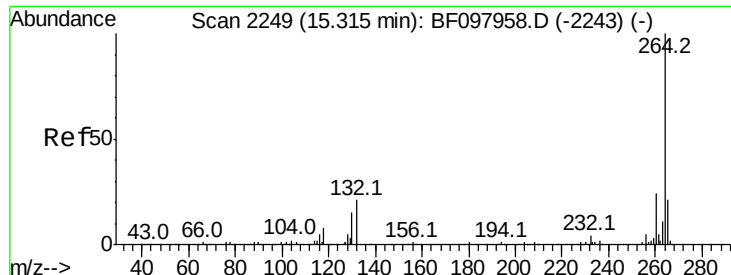


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

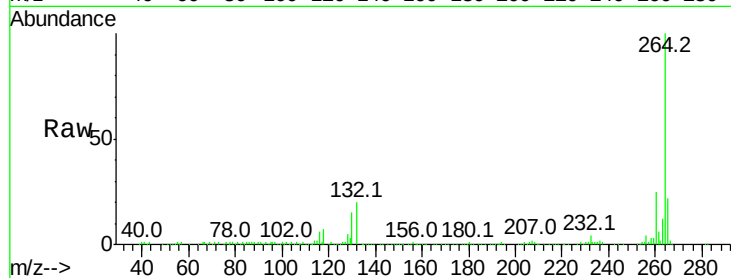




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BF098091.D
Acq: 29 Aug 2017 2:53

Instrument :
BNA_F
ClientSampleId :
HAMILTON-FRAC-TANK

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.8	17.2	25.8



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

