

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098087.D
 Acq On : 29 Aug 2017 1:02
 Operator : SJ/JU
 Sample : I4969-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-A

Quant Time: Aug 29 07:55:38 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

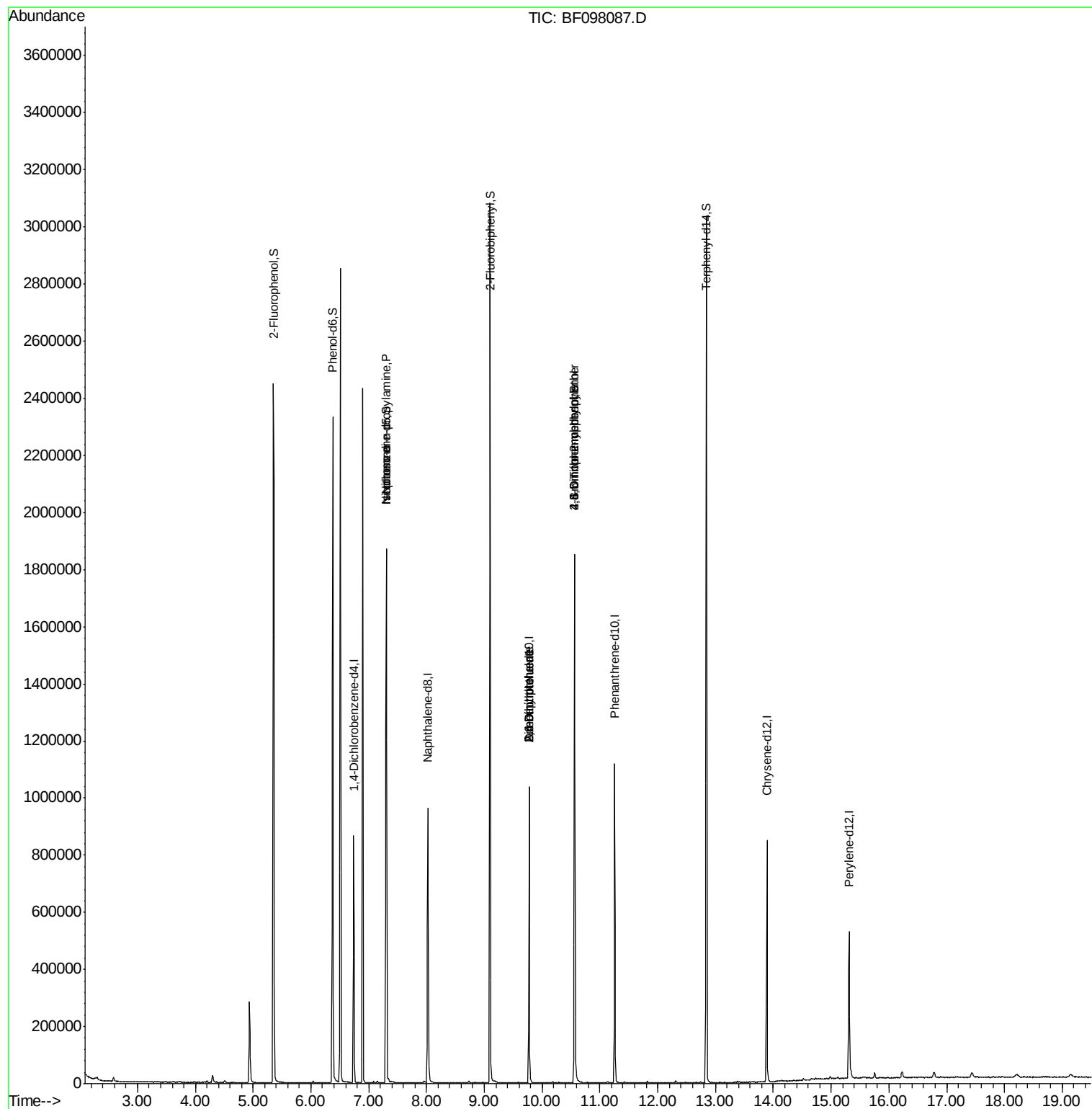
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	107039	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	433272	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	191633	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	387129	20.00	ng	0.00
75) Chrysene-d12	13.89	240	318056	20.00	ng	0.00
86) Perylene-d12	15.31	264	258085	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	756694	107.53	ng	0.00
7) Phenol-d6	6.38	99	959994	100.40	ng	0.00
23) Nitrobenzene-d5	7.30	82	700190	87.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	226858	136.44	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1032573	79.16	ng	-0.01
78) Terphenyl-d14	12.84	244	1033109	67.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	94491	14.437	ng	# 73
25) Isophorone	7.30	82	691636	41.705	ng	# 67
49) Dimethylphthalate	9.77	163	50063	3.574	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	23939	8.562	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	23939	6.822	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	492	8.544	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	14880	3.701	ng	# 1

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

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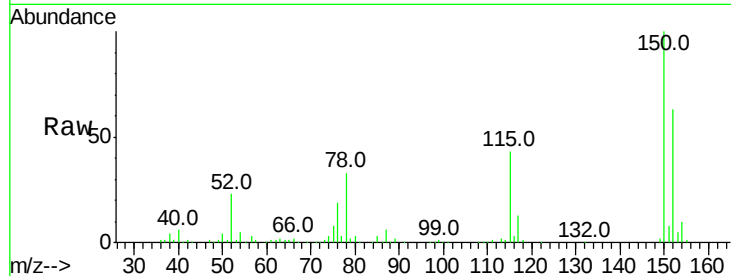


#1

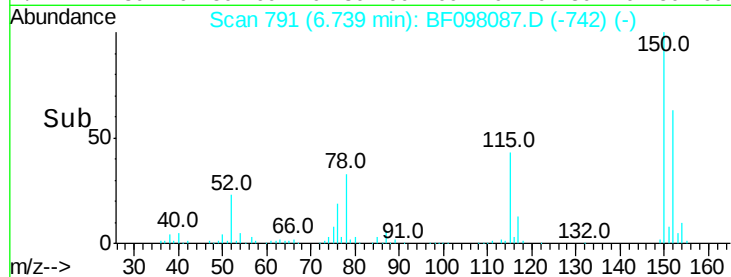
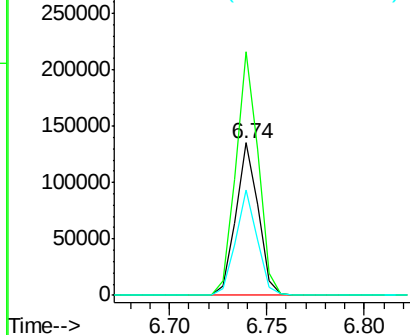
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098087.D
 Acq: 29 Aug 2017 1:02

Instrument :
 BNA_F
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Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.2	189.2
115	69.2	52.2	78.2



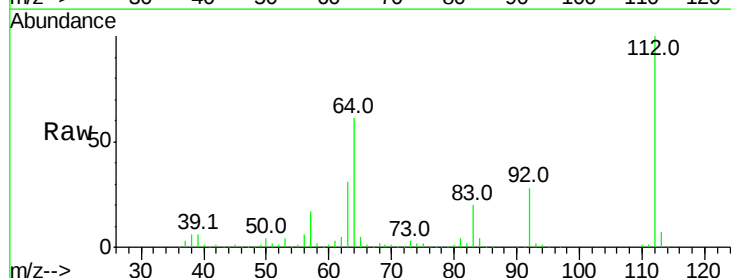
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



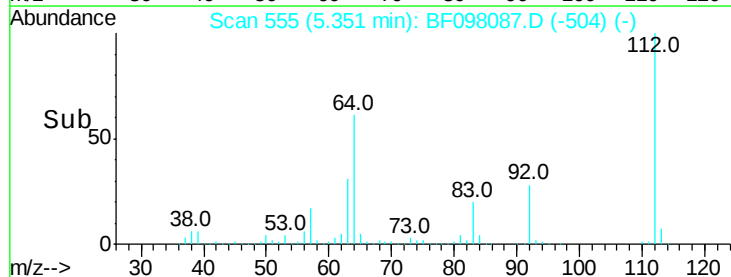
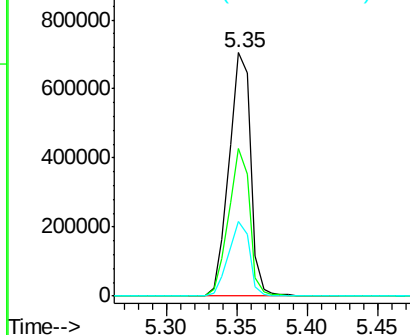
#5

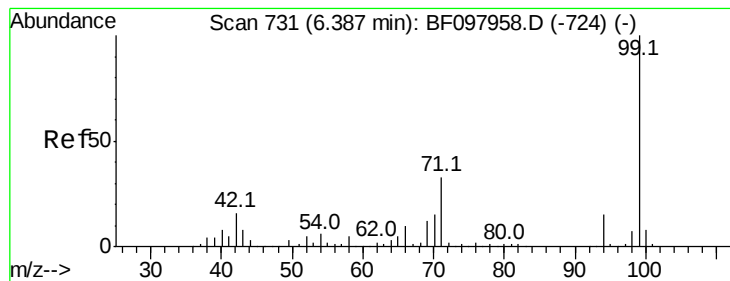
2-Fluorophenol
 Concen: 107.530 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF098087.D
 Acq: 29 Aug 2017 1:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	46.0	69.0
63	30.5	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: 100.404 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-A

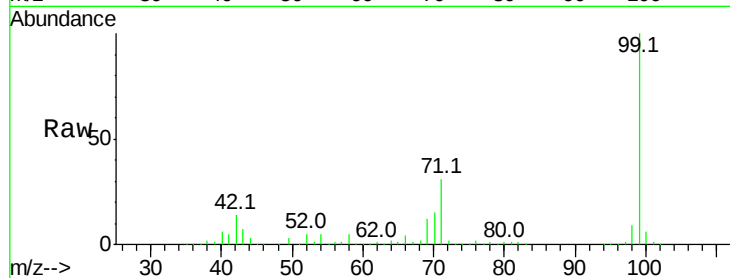
Tot Ion: 99 Resp: 959994

Ion Ratio Lower Upper

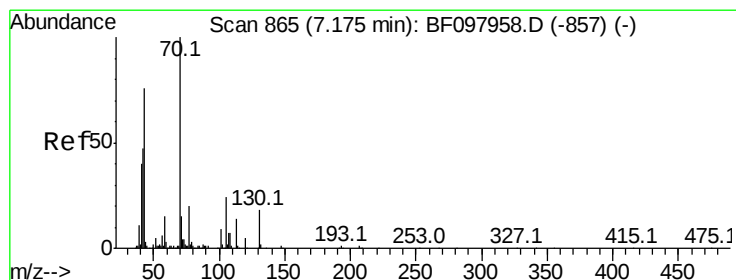
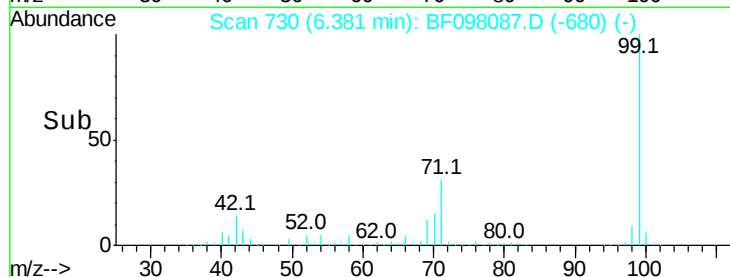
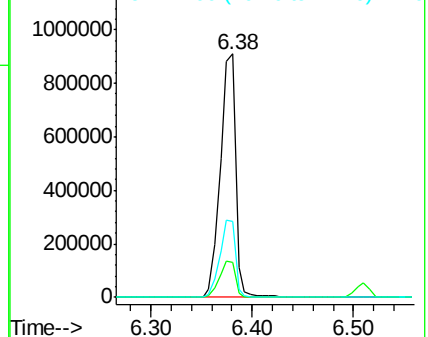
99 100

42 14.4 13.5 20.3

71 31.0 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: 14.437 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

Tgt Ion: 70 Resp: 94491

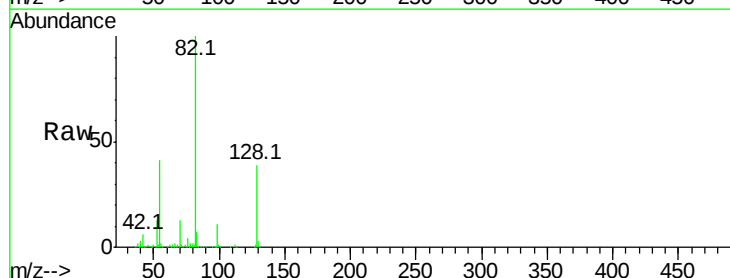
Ion Ratio Lower Upper

70 100

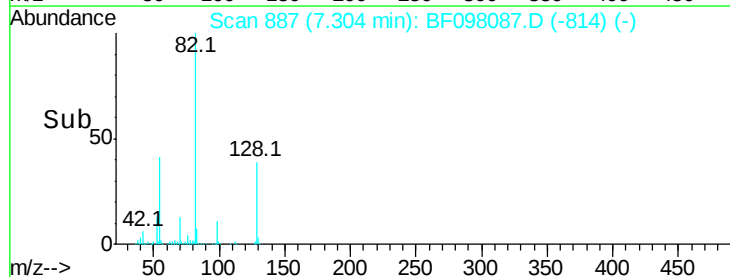
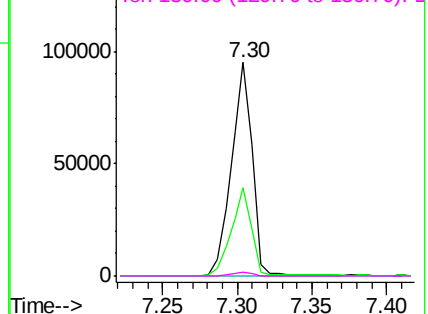
42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 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): E
Ion 130.00 (129.70 to 130.70): E

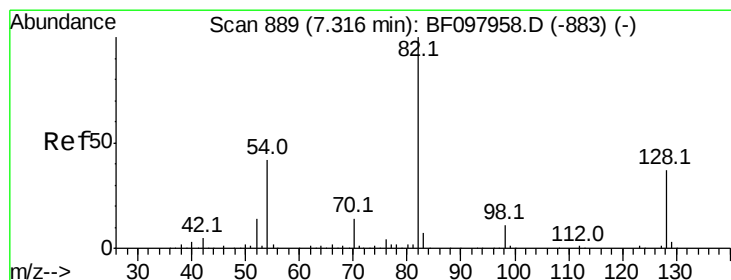
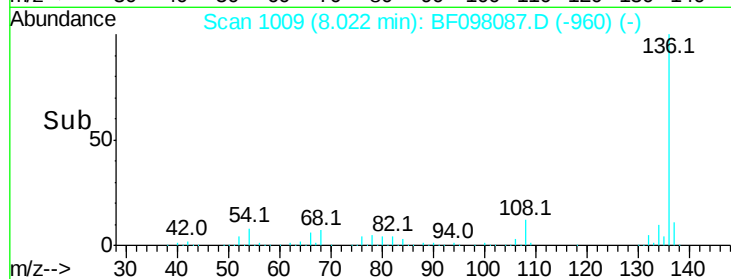
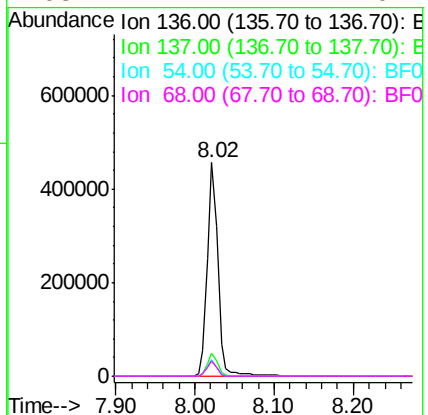
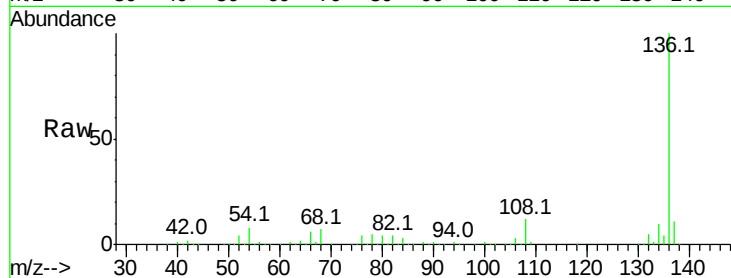




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098087.D
Acq: 29 Aug 2017 1:02

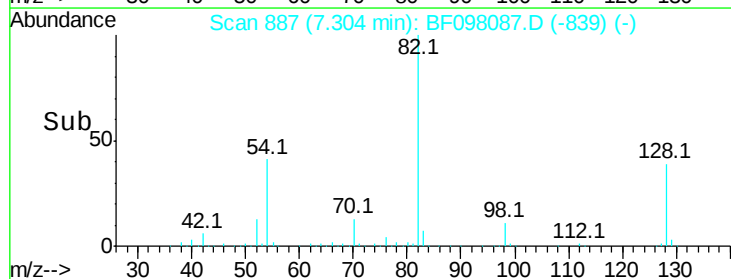
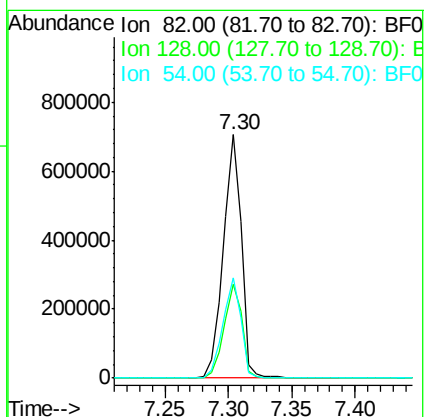
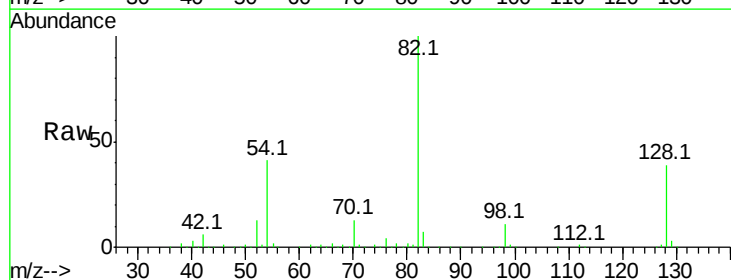
Instrument :
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BU-01-082417-A

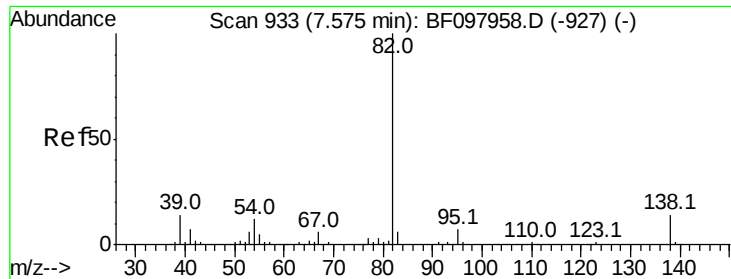
Tot Ion:	136	Resp:	433272
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.8	4.9	7.3#
68	7.4	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 87.791 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098087.D
Acq: 29 Aug 2017 1:02

Tgt Ion:	82	Resp:	700190
Ion	Ratio	Lower	Upper
82	100		
128	38.5	34.0	51.0
54	41.3	42.2	63.2#

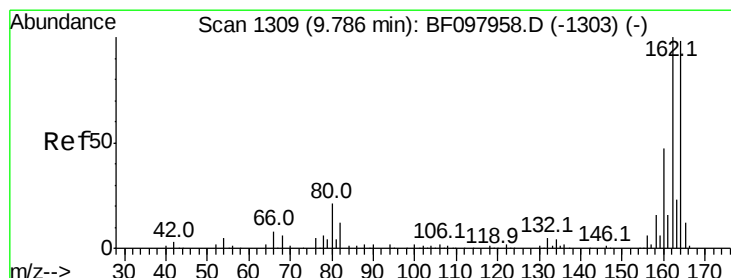
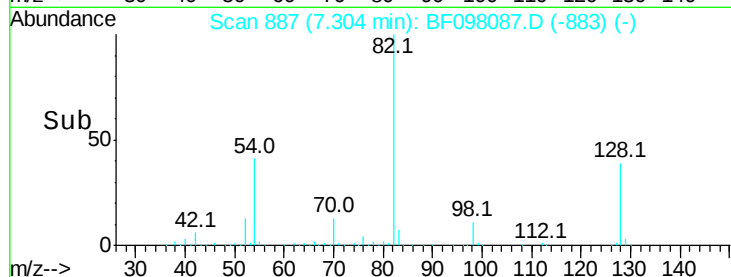
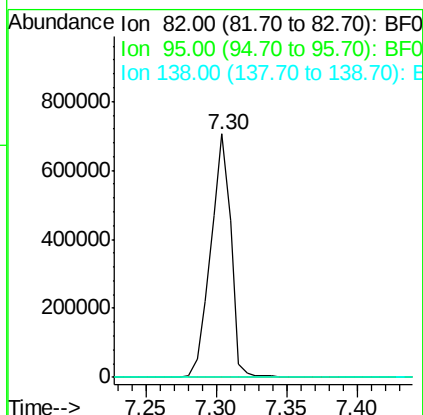
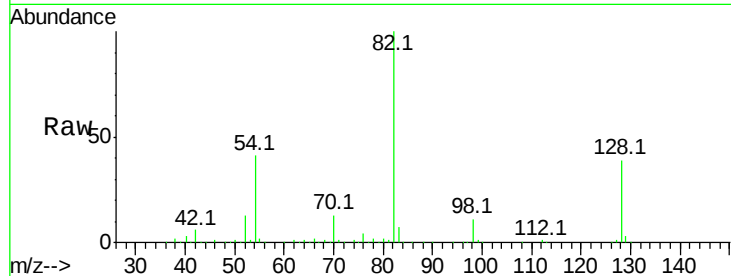




#25
Isophorone
Concen: 41.705 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.28 min
Lab File: BF098087.D
Acq: 29 Aug 2017 1:02

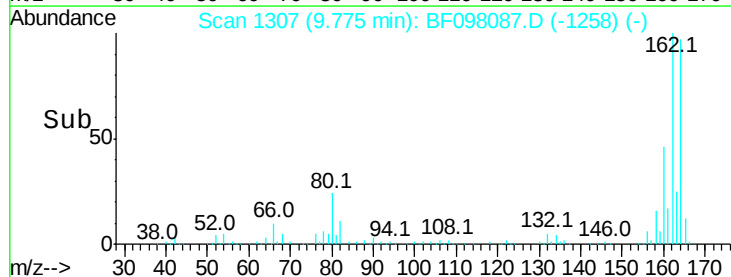
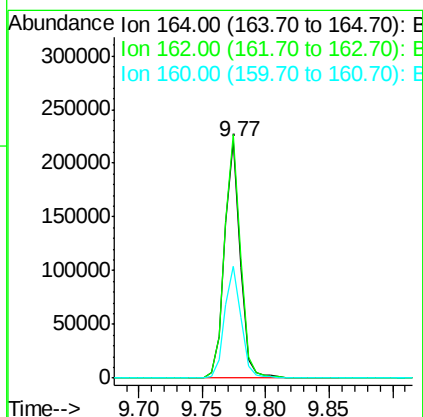
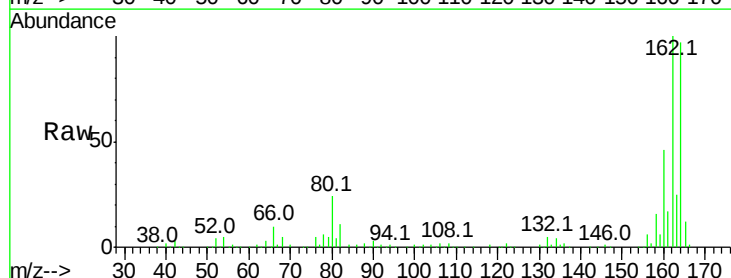
Instrument :
BNA_F
ClientSampleId :
BU-01-082417-A

Tot Ion: 82 Resp: 691636
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098087.D
Acq: 29 Aug 2017 1:02

Tgt Ion: 164 Resp: 191633
Ion Ratio Lower Upper
164 100
162 102.9 82.6 123.8
160 47.4 36.2 54.2

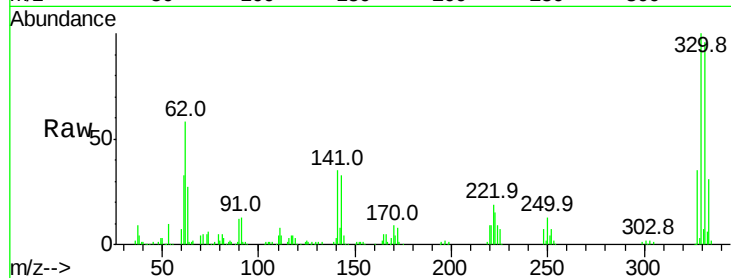




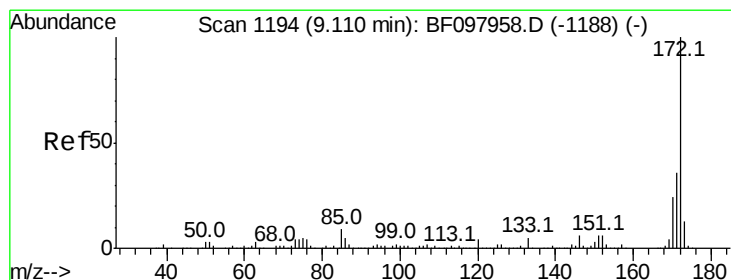
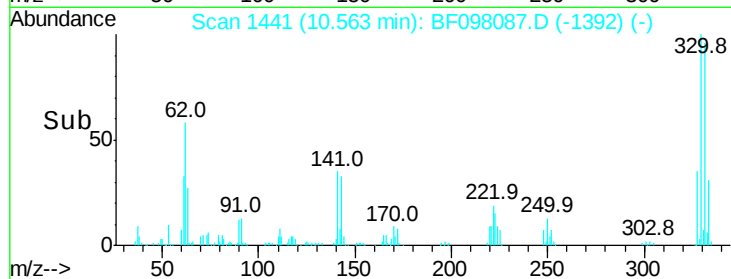
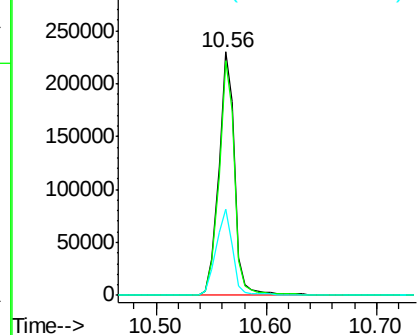
#41
 2,4,6-Tribromophenol
 Concen: 136.437 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098087.D
 Acq: 29 Aug 2017 1:02

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	37.1	31.4	47.2

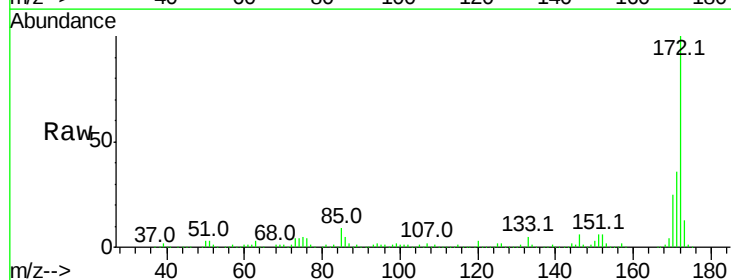


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

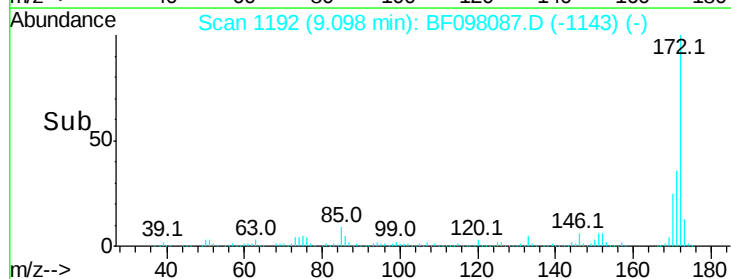
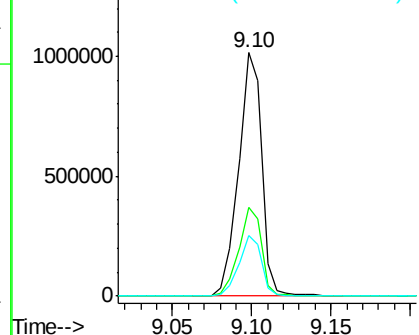


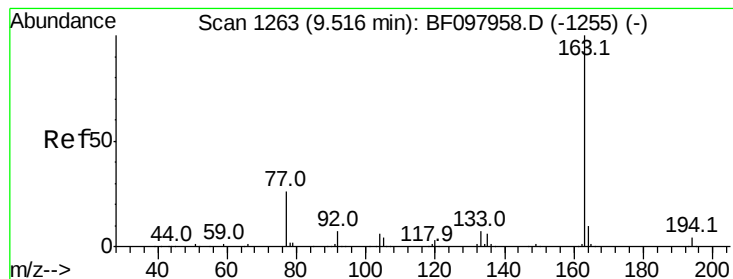
#44
 2-Fluorobiphenyl
 Concen: 79.165 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098087.D
 Acq: 29 Aug 2017 1:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.6	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: 3.574 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.26 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

Instrument :

BNA_F

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BU-01-082417-A

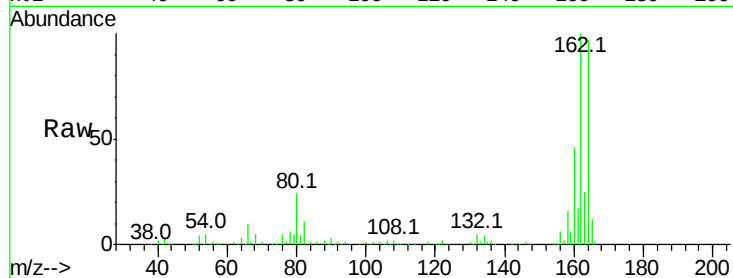
Tot Ion:163 Resp: 50063

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

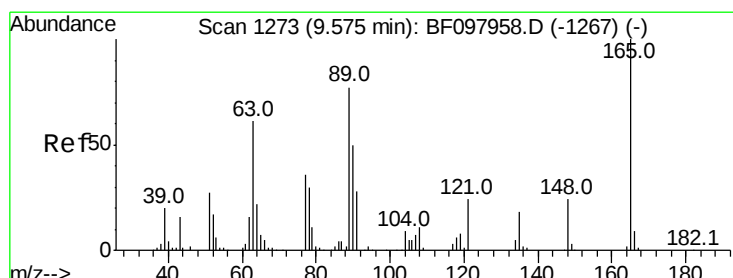
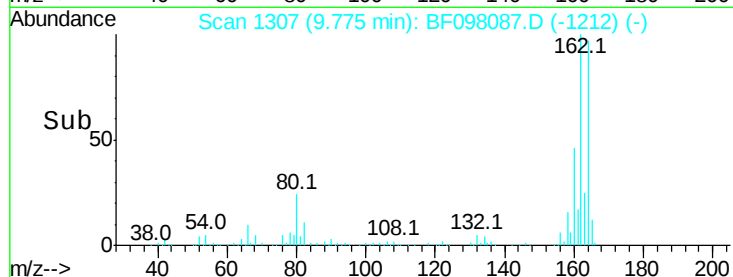
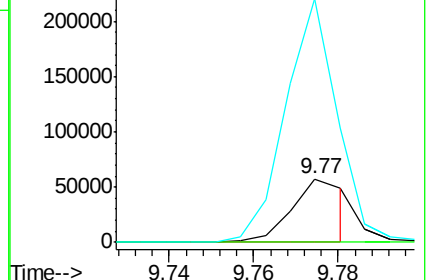
164 384.0 8.4 12.6#



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: 8.562 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.20 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

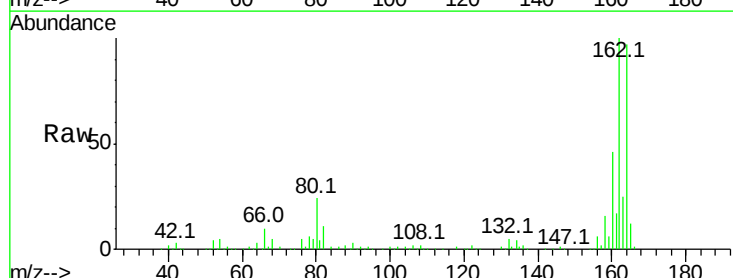
Tgt Ion:165 Resp: 23939

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

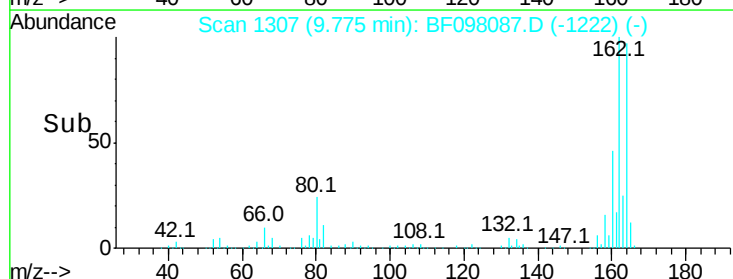
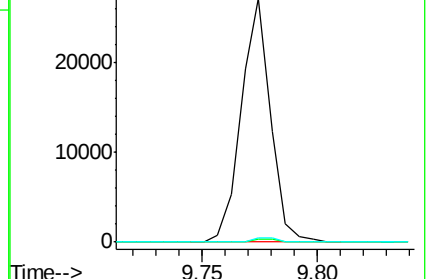
89 1.6 37.1 55.7#

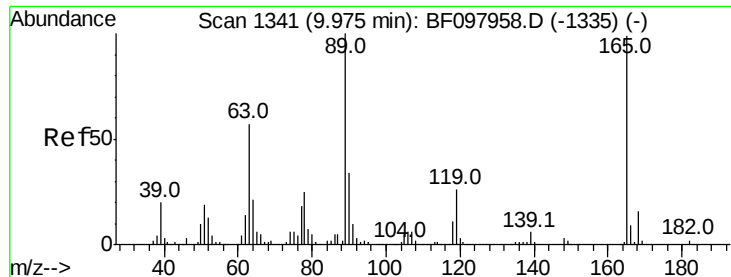


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.822 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:165 Resp: 23939

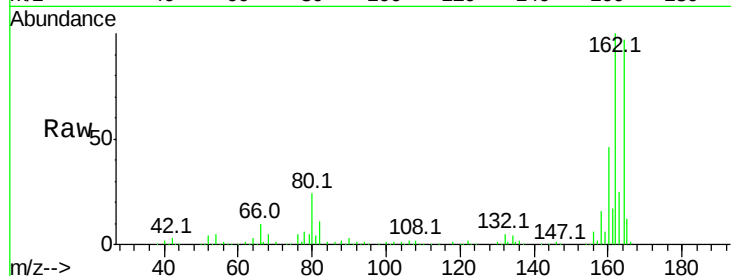
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

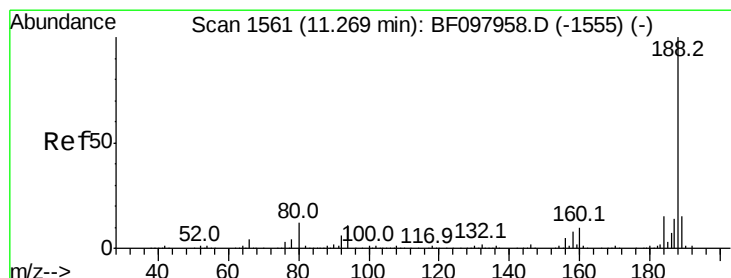
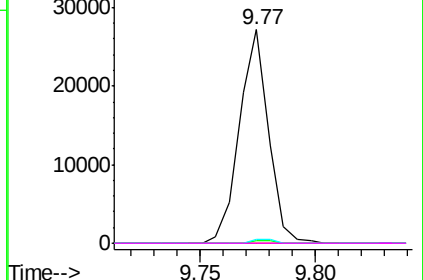
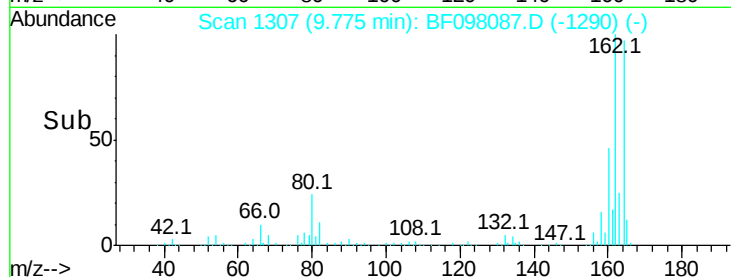


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

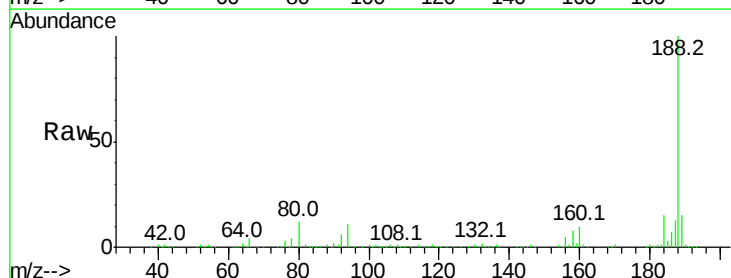
Tgt Ion:188 Resp: 387129

Ion Ratio Lower Upper

188 100

94 11.1 9.4 14.2

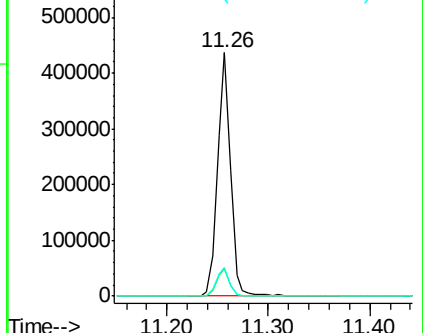
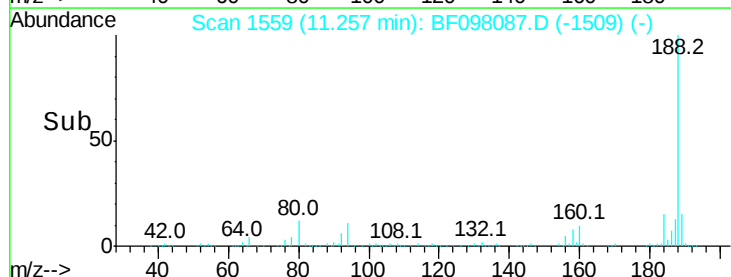
80 11.9 10.2 15.2

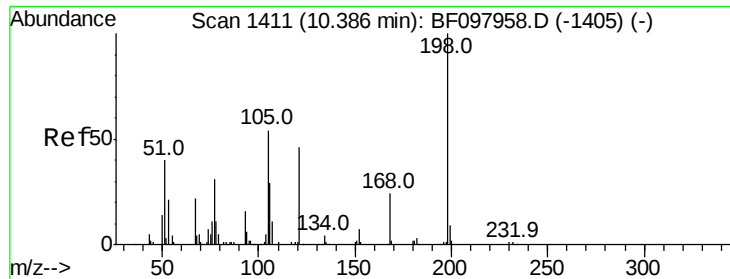


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.544 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-A

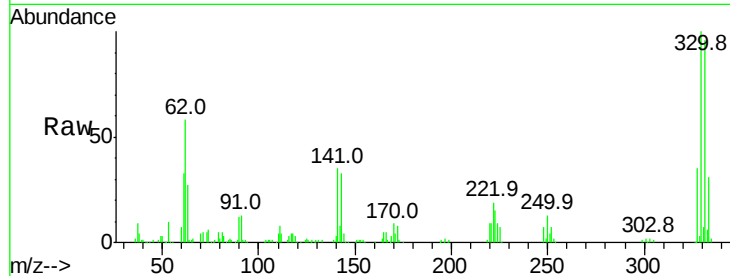
Tot Ion:198 Resp: 492

Ion Ratio Lower Upper

198 100

51 163.8 53.2 93.2#

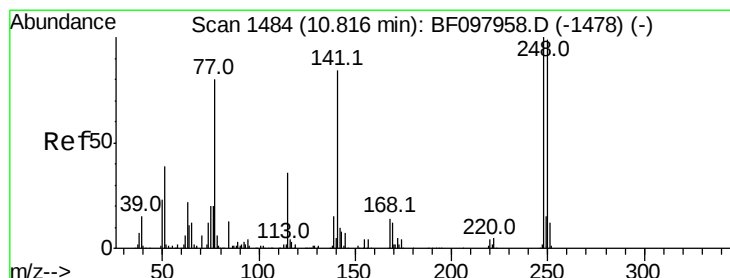
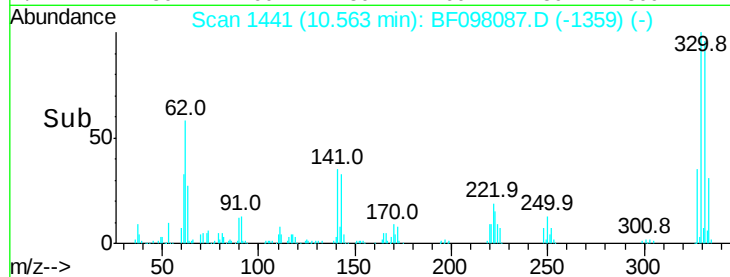
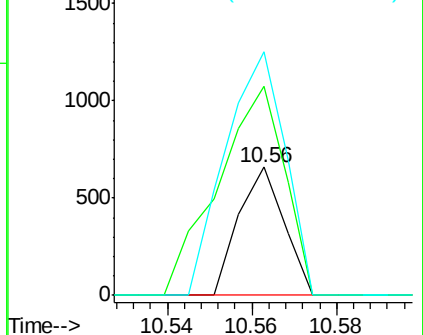
105 190.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.701 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

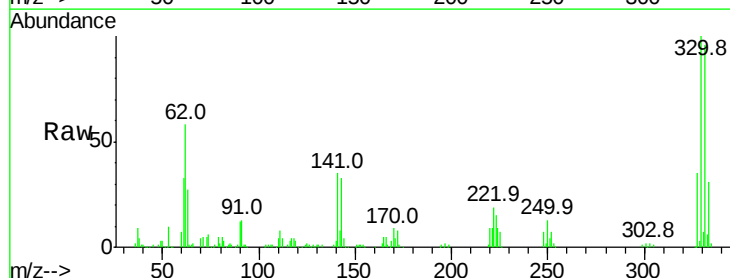
Tgt Ion:248 Resp: 14880

Ion Ratio Lower Upper

248 100

250 184.2 76.8 115.2#

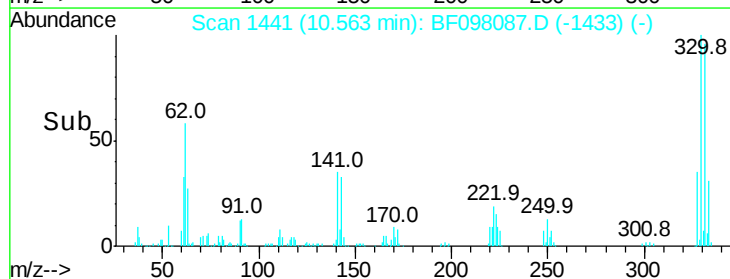
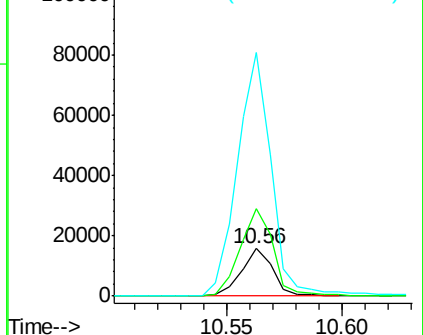
141 512.1 68.6 103.0#

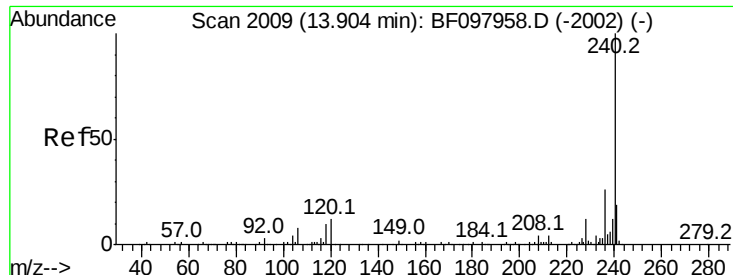


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-A

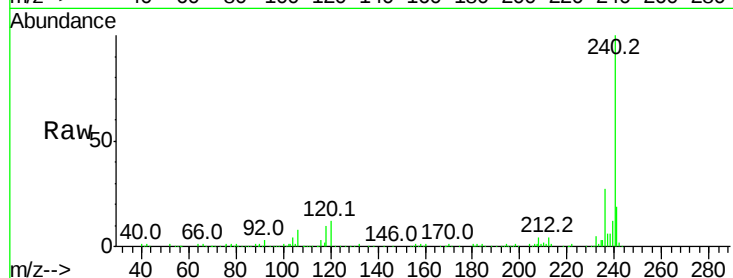
Tot Ion:240 Resp: 318056

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

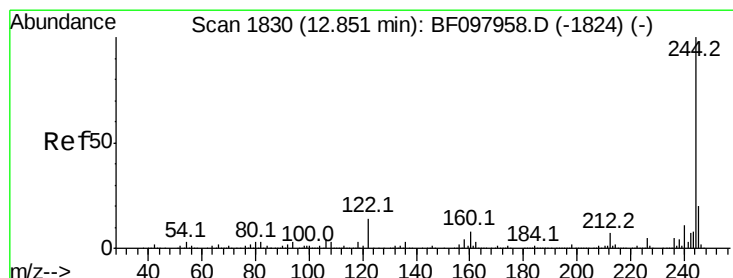
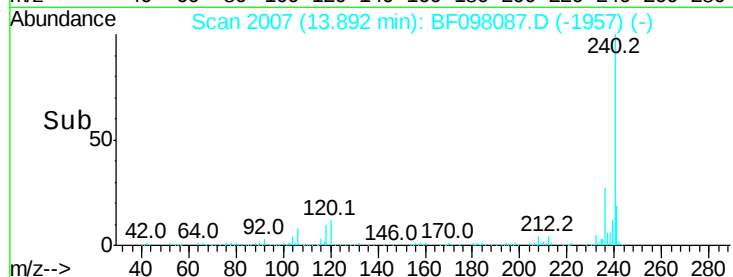
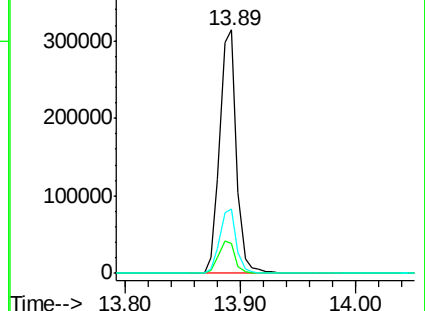
236 26.6 20.5 30.7



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: 67.736 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098087.D

Acq: 29 Aug 2017 1:02

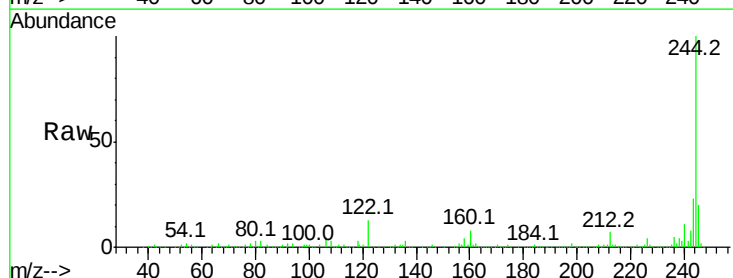
Tgt Ion:244 Resp: 1033109

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

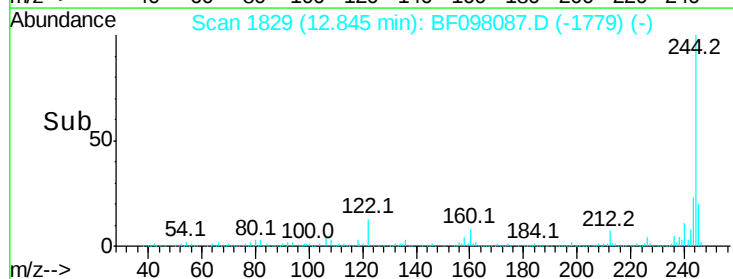
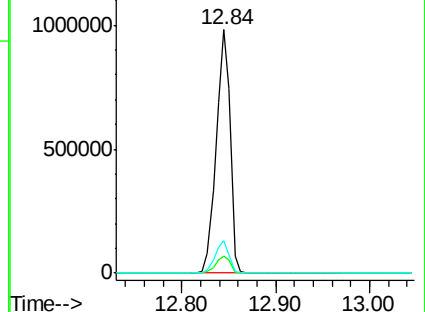
122 13.4 10.3 15.5

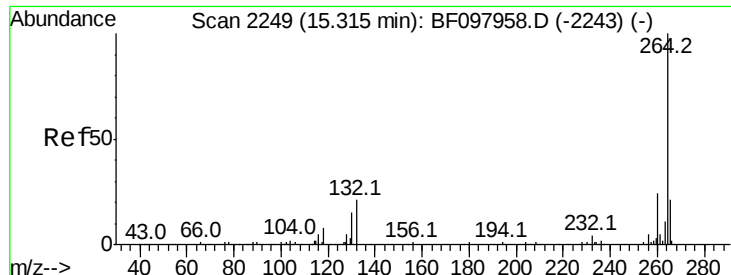


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

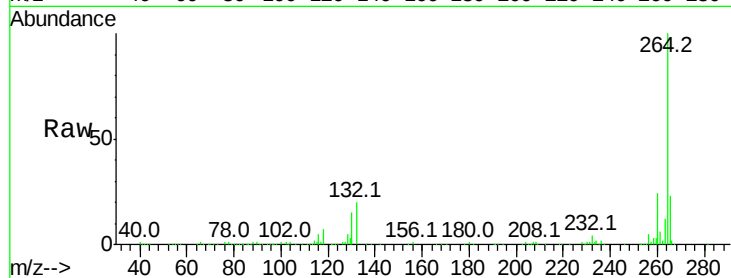




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. -0.00 min
 Lab File: BF098087.D
 Acq: 29 Aug 2017 1:02

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.6	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

