

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090617\
 Data File : BF098294.D
 Acq On : 7 Sep 2017 1:19
 Operator : SJ/JU
 Sample : I5075-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11948

Quant Time: Sep 07 03:42:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

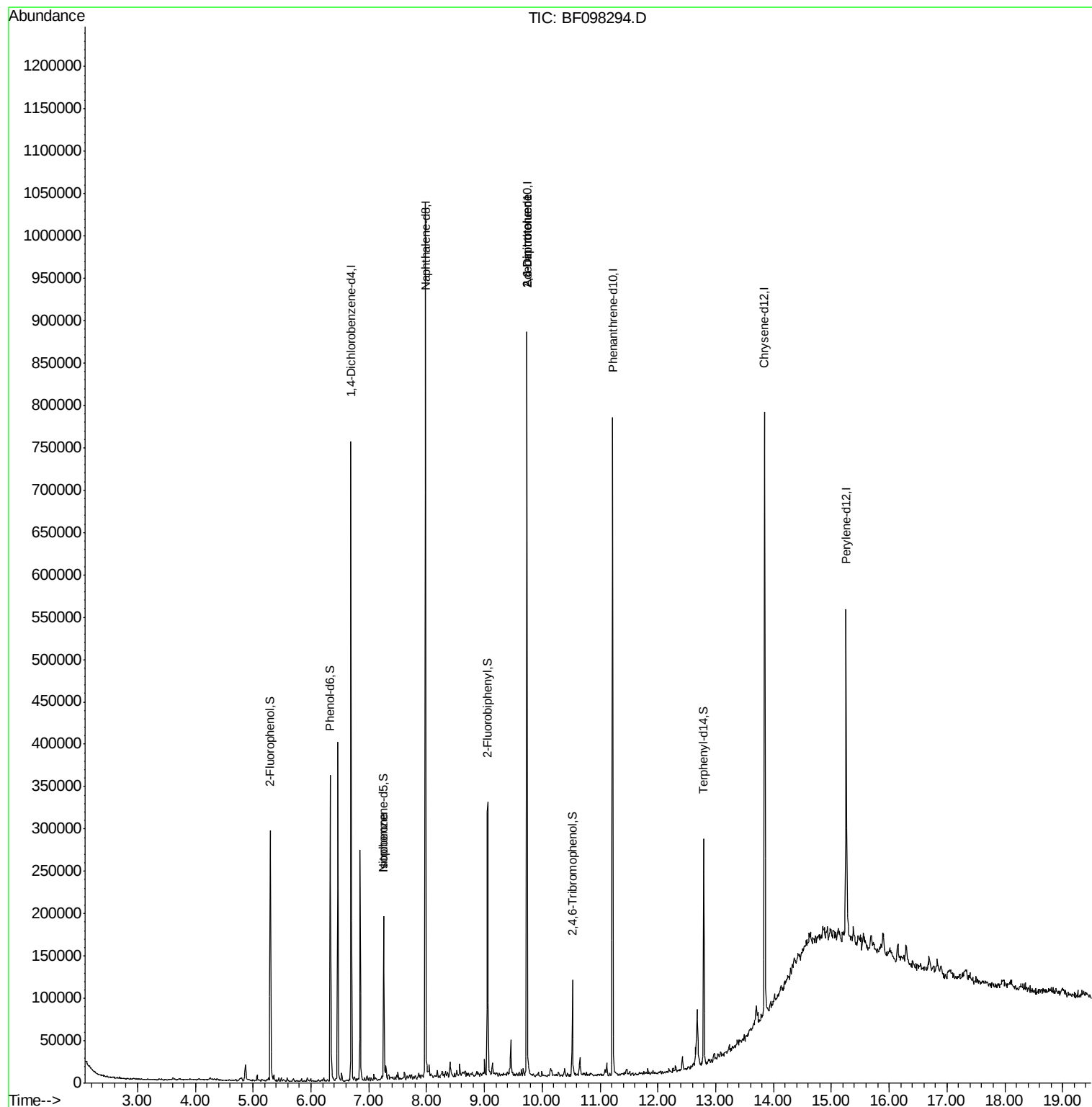
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	113059	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	422749	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	163954	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	267586	20.00	ng	0.00
75) Chrysene-d12	13.84	240	242072	20.00	ng	-0.02
86) Perylene-d12	15.26	264	166450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	90727	12.21	ng	-0.01
7) Phenol-d6	6.33	99	122961	12.18	ng	-0.02
23) Nitrobenzene-d5	7.26	82	66713	8.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	13327	9.37	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	103363	9.26	ng	-0.01
78) Terphenyl-d14	12.79	244	72194	6.22	ng	-0.02
Target Compounds						
25) Isophorone	7.26	82	66712	4.12	ng	# 67
50) 2,6-Dinitrotoluene	9.73	165	20349	8.51	ng	# 33
56) 2,4-Dinitrotoluene	9.73	165	20349	6.78	ng	# 33

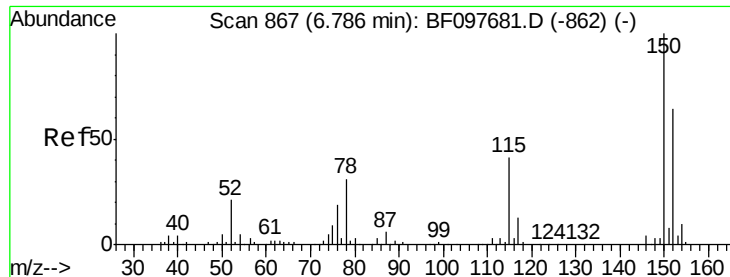
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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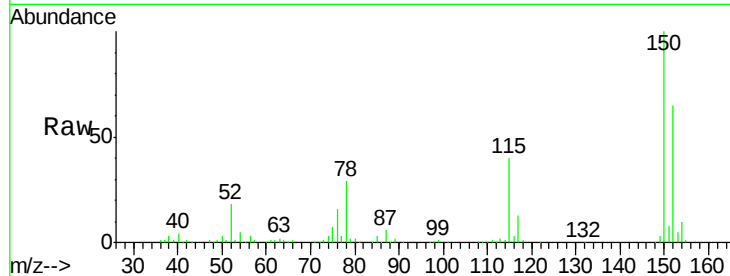


#1

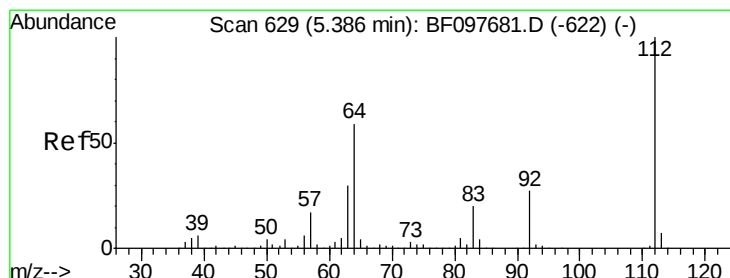
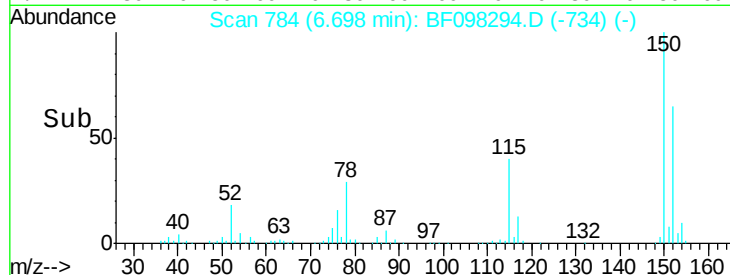
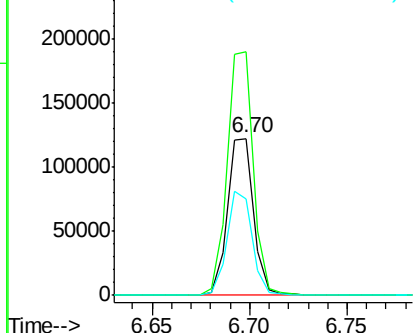
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF098294.D
Acq: 7 Sep 2017 1:19

Instrument :
BNA_F
ClientSampleId :
72-11948

Tot Ion:152 Resp: 113059
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 61.4 52.2 78.2



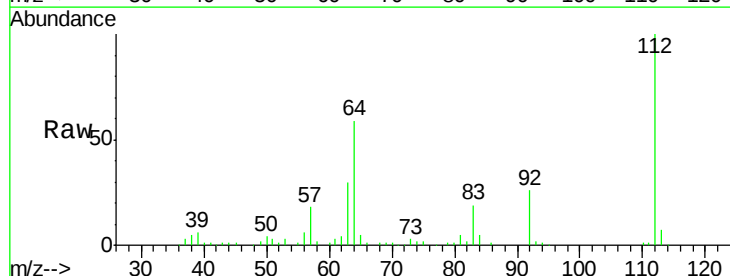
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



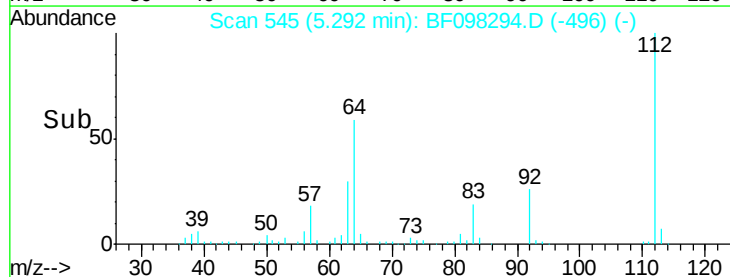
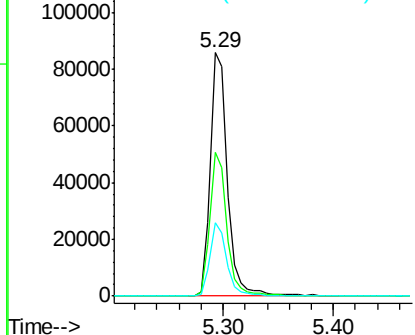
#5

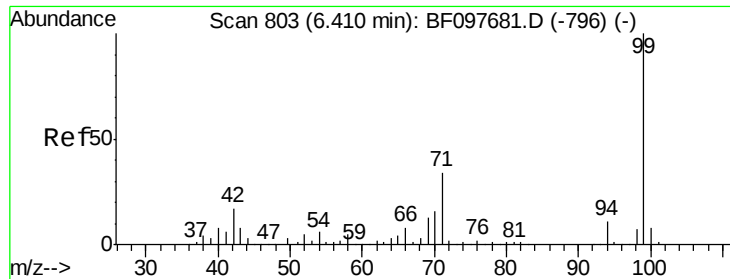
2-Fluorophenol
Concen: 12.21 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF098294.D
Acq: 7 Sep 2017 1:19

Tgt Ion:112 Resp: 90727
Ion Ratio Lower Upper
112 100
64 59.1 46.0 69.0
63 29.9 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: 12.18 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098294.D

Acq: 7 Sep 2017 1:19

Instrument :

BNA_F

ClientSampleId :

72-11948

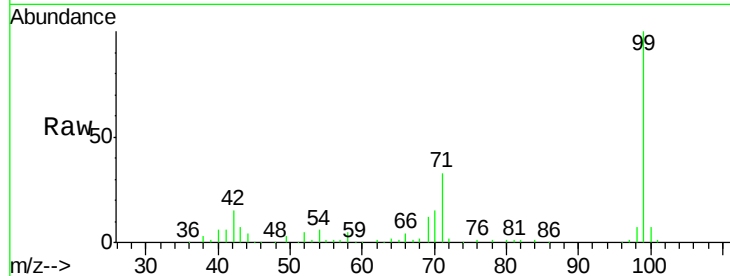
Tot Ion: 99 Resp: 122961

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

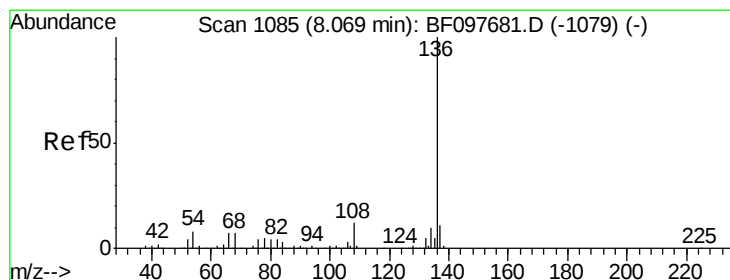
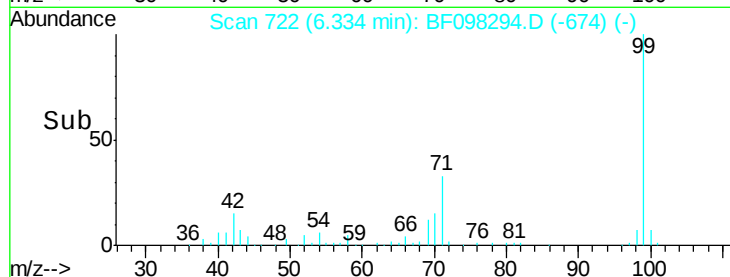
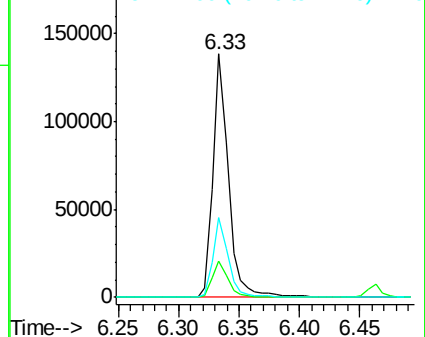
71 32.5 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF098294.D

Acq: 7 Sep 2017 1:19

Tgt Ion: 136 Resp: 422749

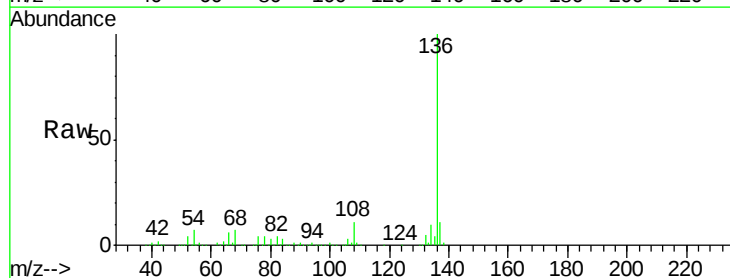
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.4 4.9 7.3#

68 7.5 4.1 6.1#

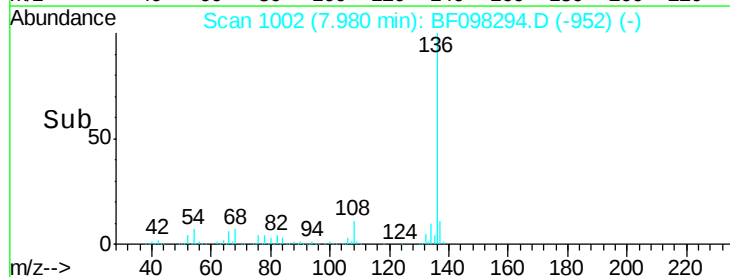
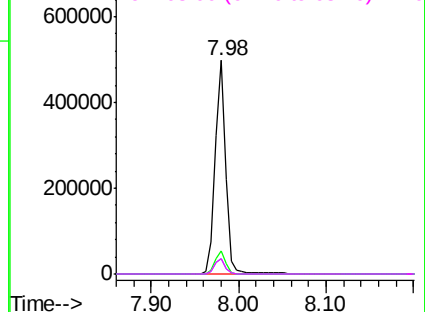


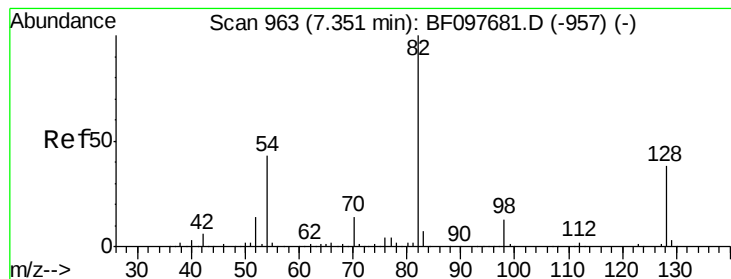
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.57 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF098294.D

Acq: 7 Sep 2017 1:19

Instrument :

BNA_F

ClientSampled :

72-11948

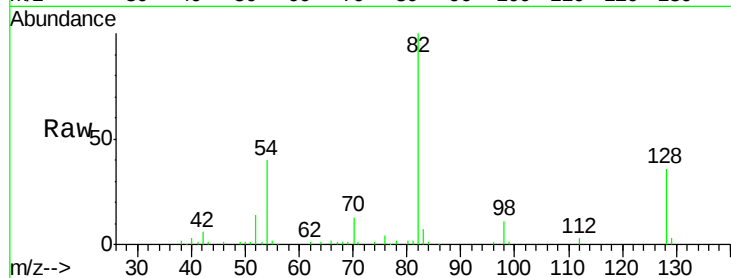
Tot Ion: 82 Resp: 66713

Ion Ratio Lower Upper

82 100

128 36.0 34.0 51.0

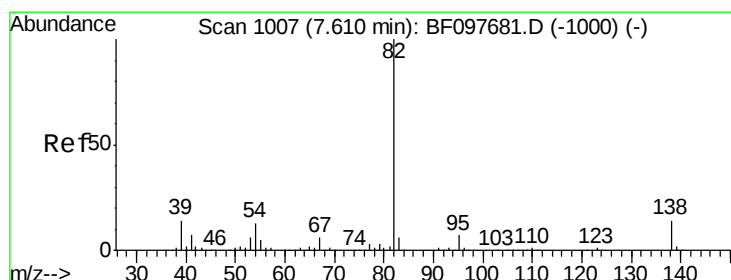
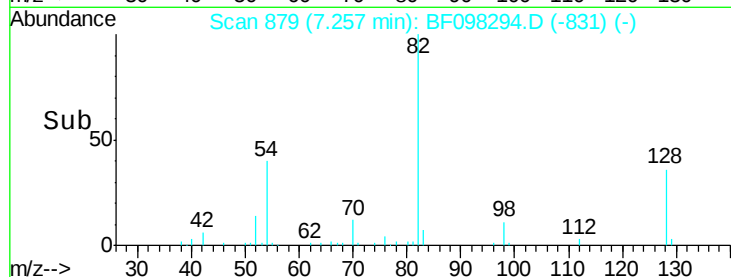
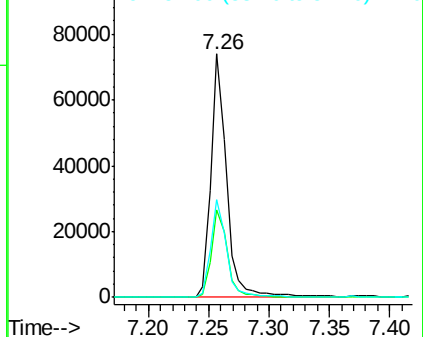
54 39.9 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 4.12 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF098294.D

Acq: 7 Sep 2017 1:19

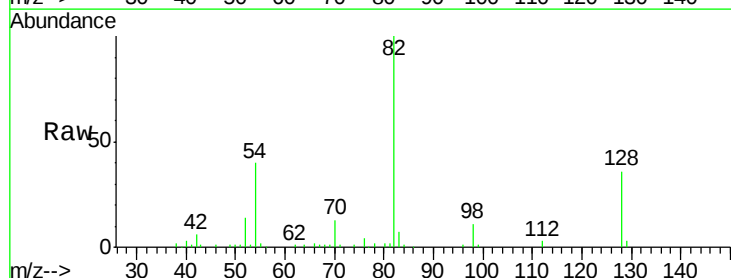
Tgt Ion: 82 Resp: 66712

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

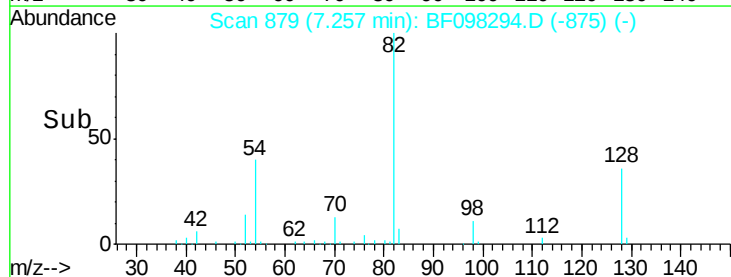
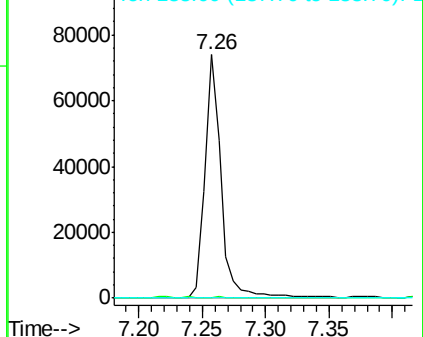
138 0.0 13.1 19.7#

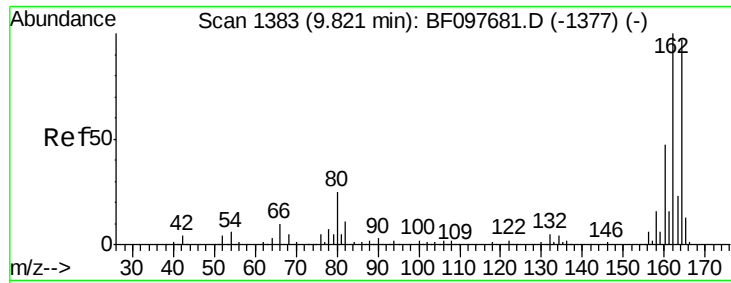


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

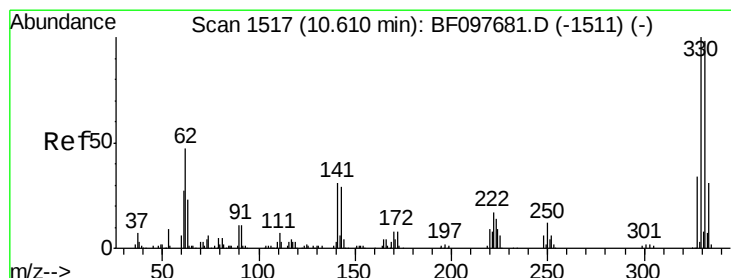
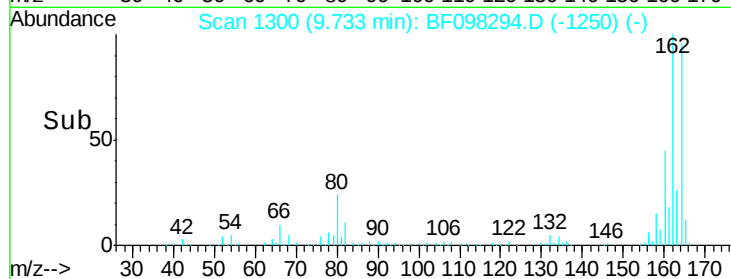
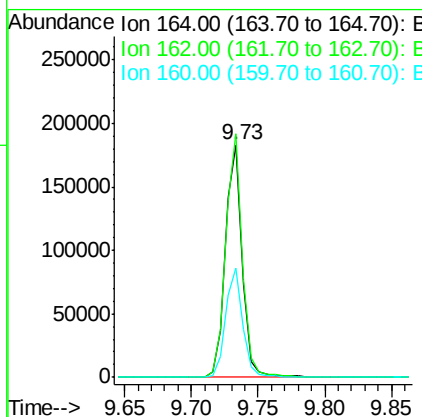
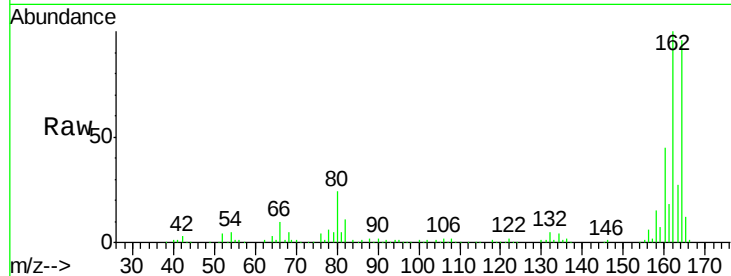




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF098294.D
 Acq: 7 Sep 2017 1:19

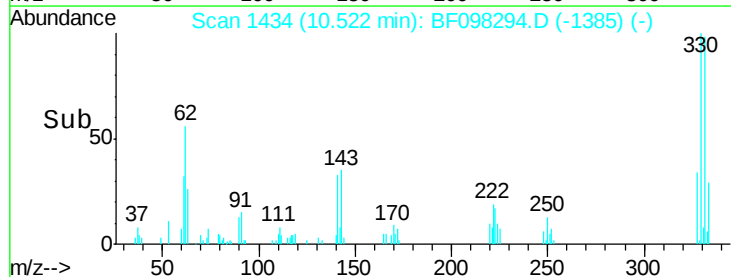
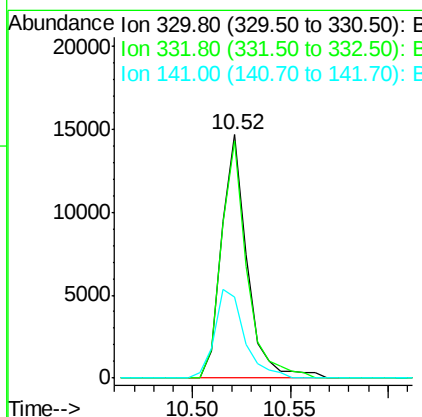
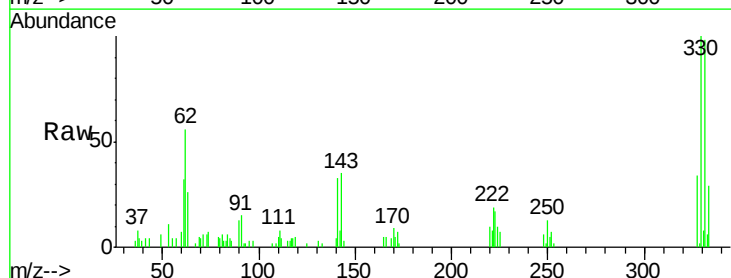
Instrument :
 BNA_F
 ClientSampleId :
 72-11948

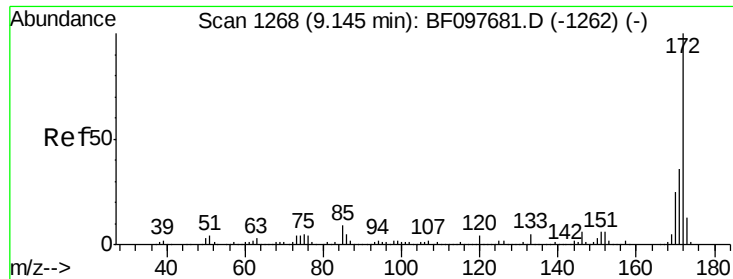
Tot Ion:164 Resp: 163954
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.6 123.8
 160 47.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 9.37 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF098294.D
 Acq: 7 Sep 2017 1:19

Tgt Ion:330 Resp: 13327
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 42.4 31.4 47.2

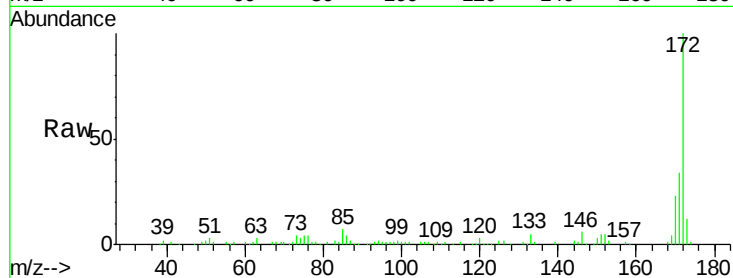




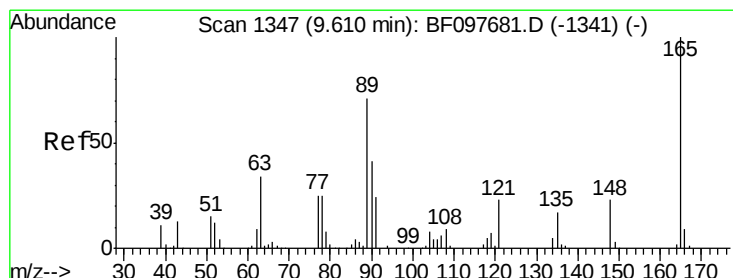
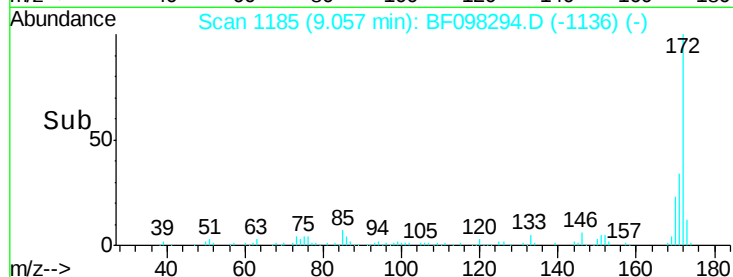
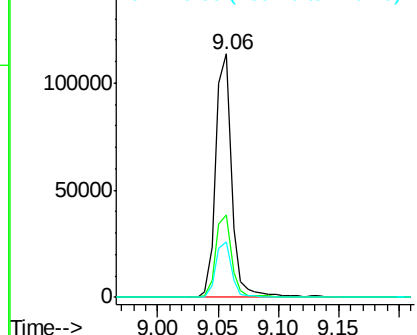
#44
 2-Fluorobiphenyl
 Concen: 9.26 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF098294.D
 Acq: 7 Sep 2017 1:19

Instrument :
 BNA_F
 ClientSampleId :
 72-11948

Tot Ion:172 Resp: 103363
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.6 44.4
 170 22.7 19.8 29.8

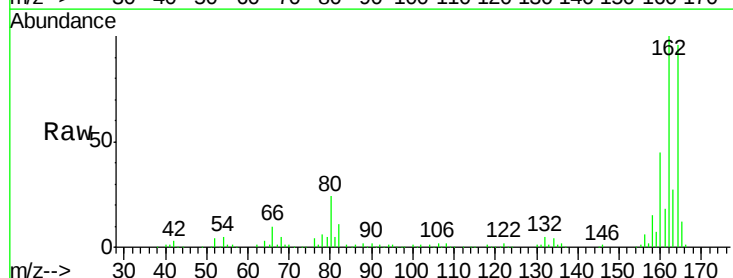


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

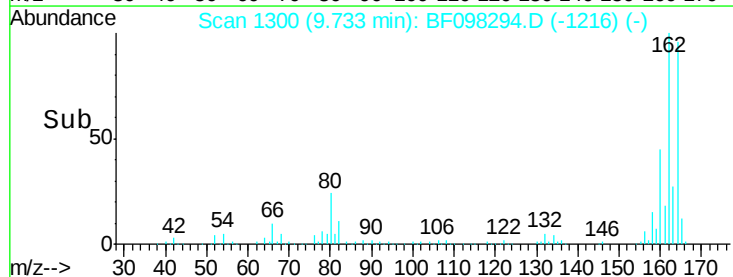
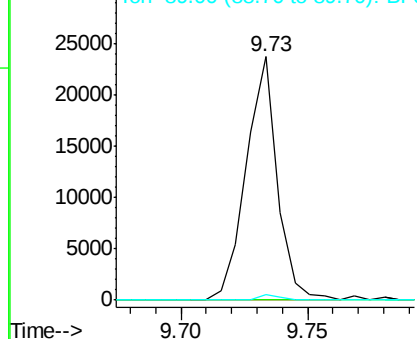


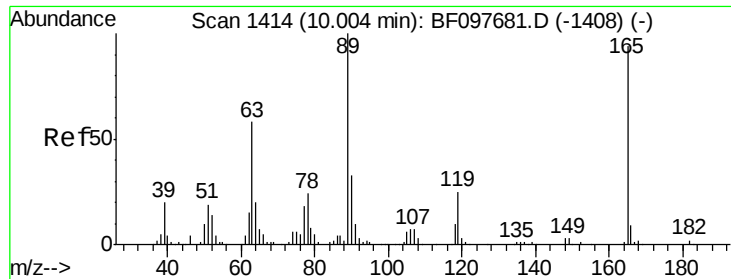
#50
 2,6-Dinitrotoluene
 Concen: 8.51 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.19 min
 Lab File: BF098294.D
 Acq: 7 Sep 2017 1:19

Tgt Ion:165 Resp: 20349
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 2.1 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

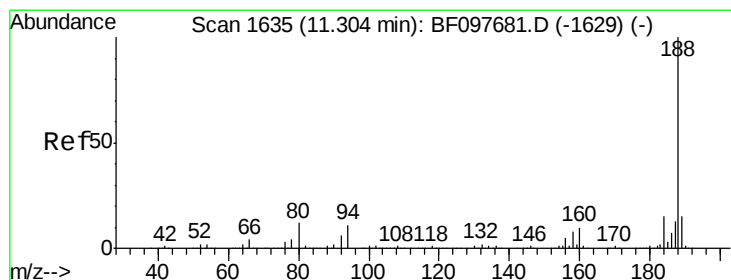
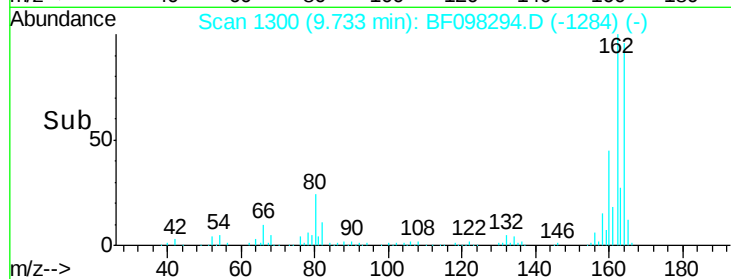
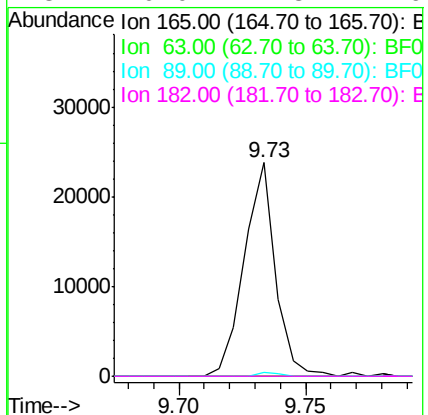
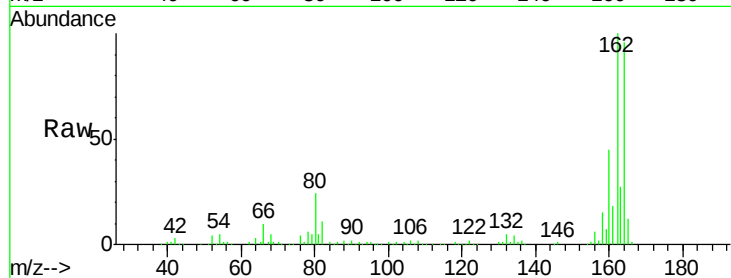




#56
 2,4-Dinitrotoluene
 Concen: 6.78 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF098294.D
 Acq: 7 Sep 2017 1:19

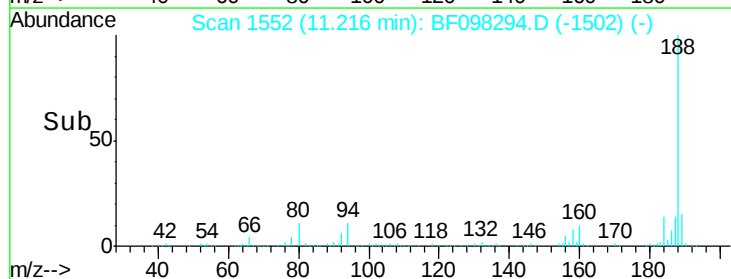
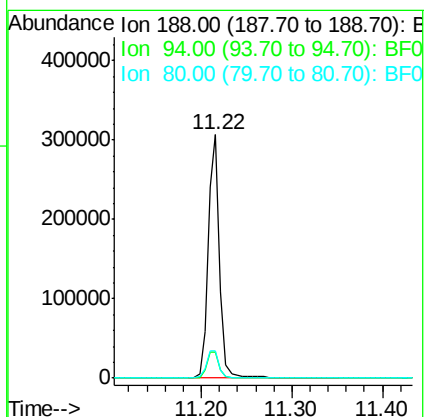
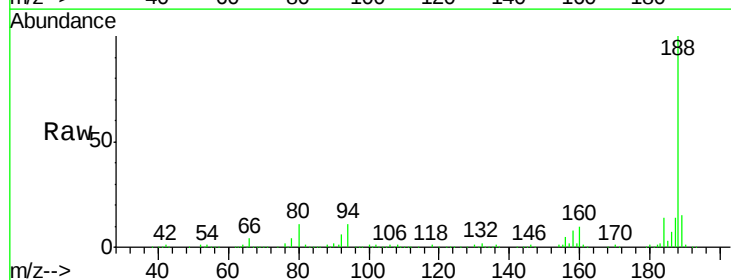
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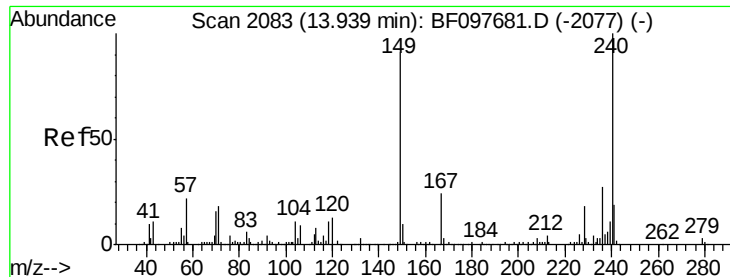
Tot Ion:	165	Resp:	20349
Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	2.1	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF098294.D
 Acq: 7 Sep 2017 1:19

Tgt Ion:	188	Resp:	267586
Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.3	10.2	15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF098294.D

Acq: 7 Sep 2017 1:19

Instrument :

BNA_F

ClientSampleId :

72-11948

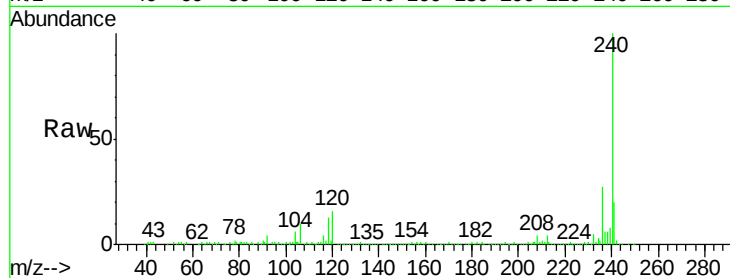
Tot Ion:240 Resp: 242072

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

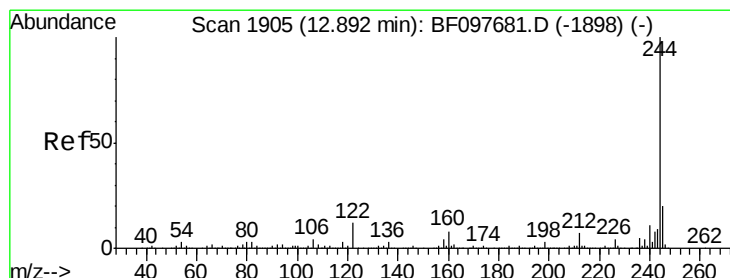
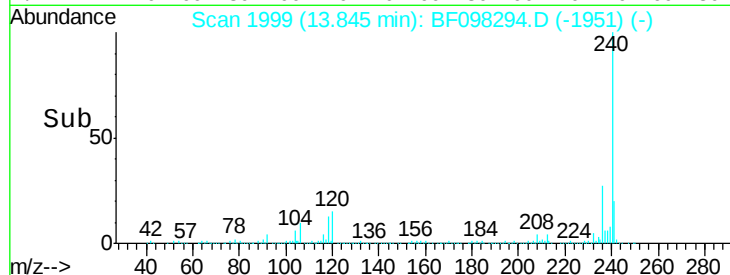
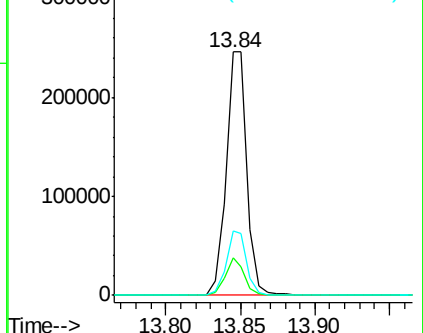
236 26.5 20.5 30.7



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: 6.22 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF098294.D

Acq: 7 Sep 2017 1:19

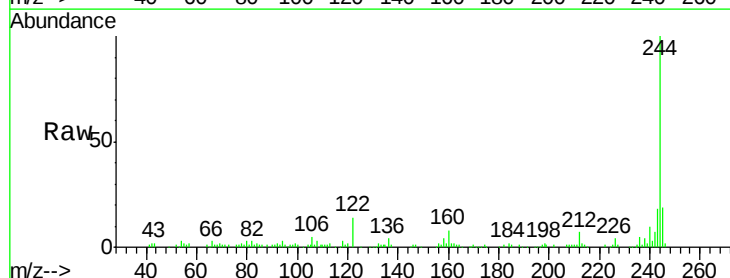
Tgt Ion:244 Resp: 72194

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

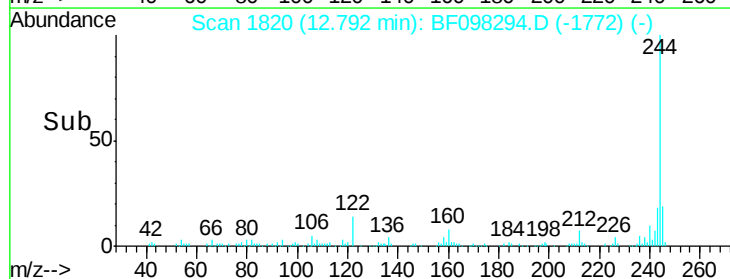
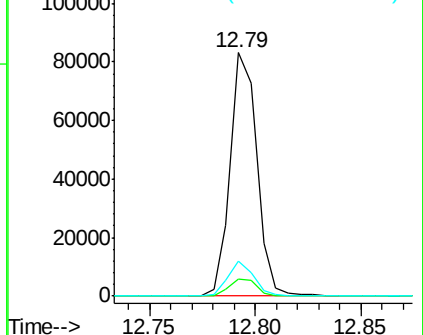
122 14.3 10.3 15.5

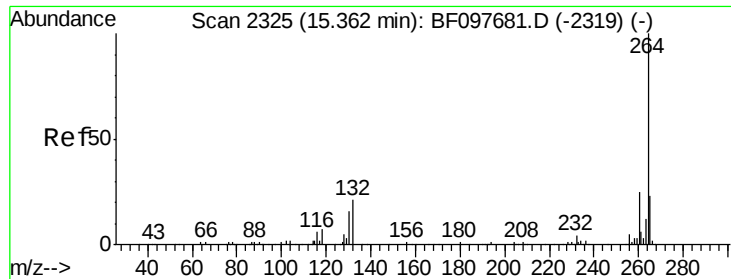


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

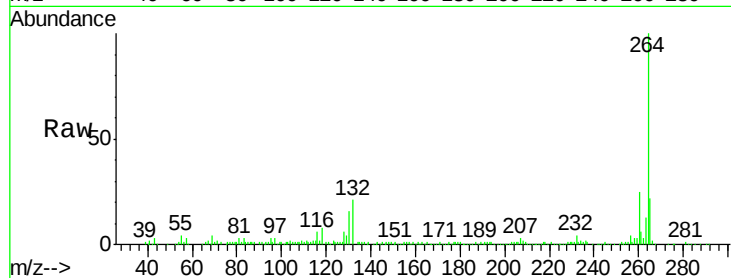




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: BF098294.D
 Acq: 7 Sep 2017 1:19

Instrument :
 BNA_F
 ClientSampleId :
 72-11948

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.5	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

