

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097854.D
 Acq On : 19 Aug 2017 1:18
 Operator : SJ/JU
 Sample : I4649-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14(0-10)COMP

Quant Time: Aug 19 02:02:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

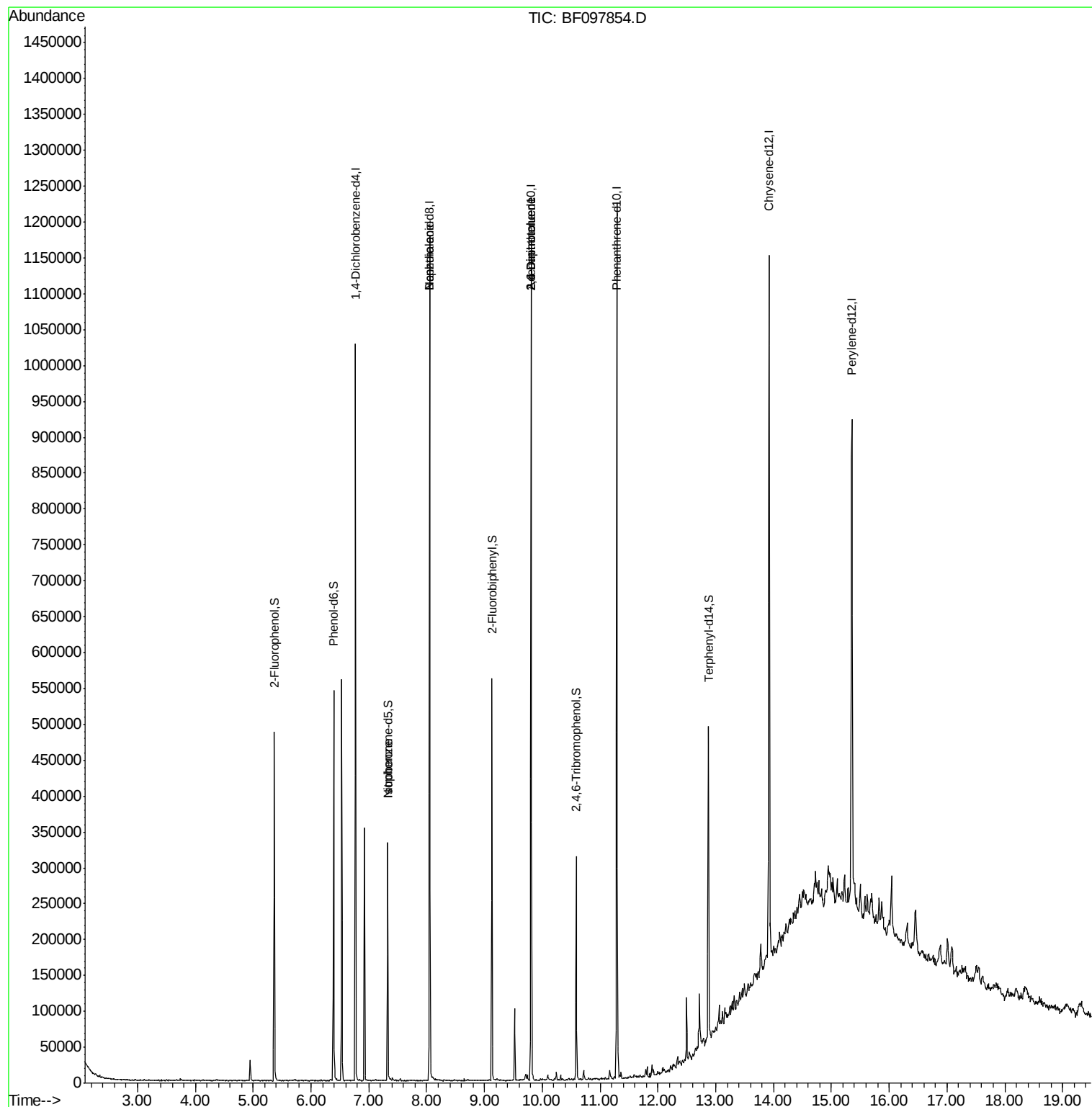
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	129908	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	518379	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	228350	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	445109	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	343714	20.00	ng	-0.02
86) Perylene-d12	15.36	264	304545	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	121191	14.19	ng	-0.02
7) Phenol-d6	6.39	99	167441	14.43	ng	-0.02
23) Nitrobenzene-d5	7.33	82	96913	10.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	27695	13.98	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	145400	9.36	ng	-0.02
78) Terphenyl-d14	12.87	244	121851	7.39	ng	-0.02
Target Compounds						
25) Isophorone	7.33	82	96911	4.88	ng	# 67
32) Benzoic acid	8.05	122	110	6.42	ng	# 1
50) 2,6-Dinitrotoluene	9.80	165	28223	8.47	ng	# 34
56) 2,4-Dinitrotoluene	9.80	165	28223	6.75	ng	# 33

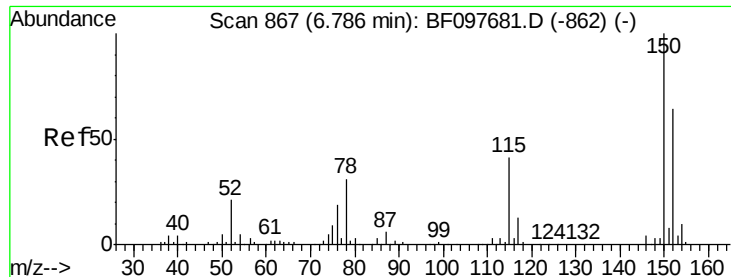
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF097854.D

Acq: 19 Aug 2017 1:18

Instrument :

BNA_F

ClientSampleId :

B-14(0-10)COMP

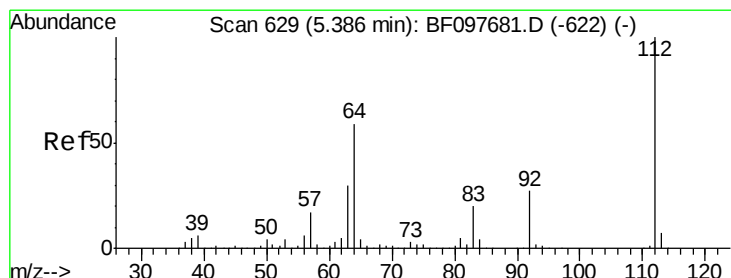
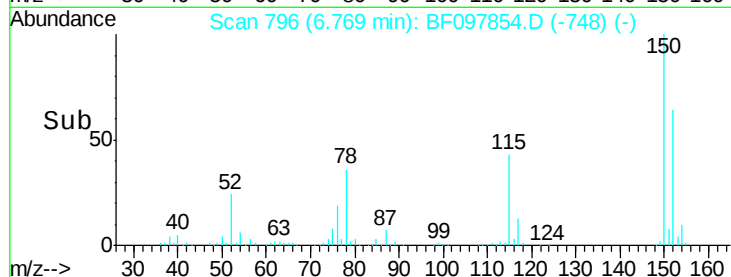
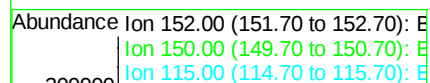
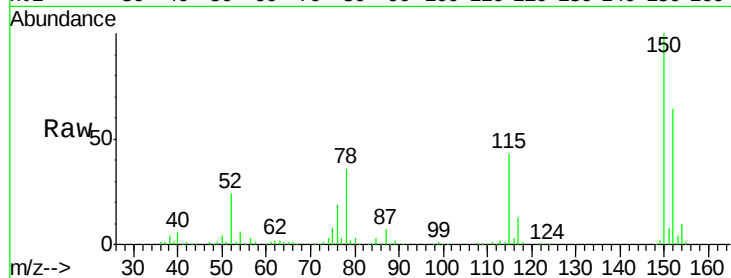
Tot Ion:152 Resp: 129908

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

115 67.7 52.2 78.2



#5

2-Fluorophenol

Concen: 14.19 ng

RT: 5.36 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF097854.D

Acq: 19 Aug 2017 1:18

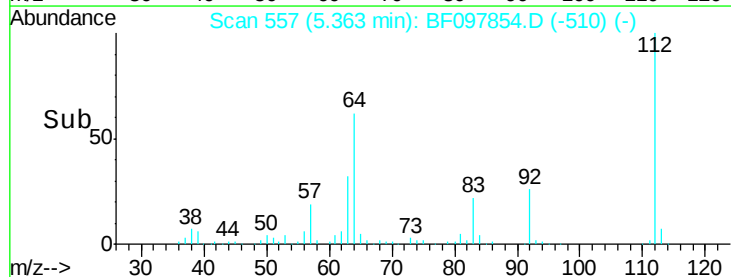
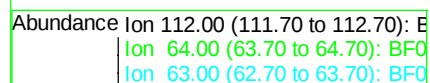
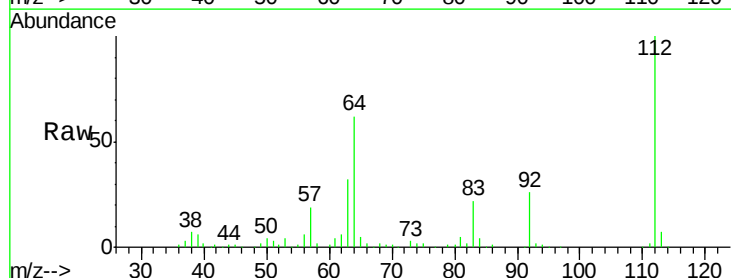
Tgt Ion:112 Resp: 121191

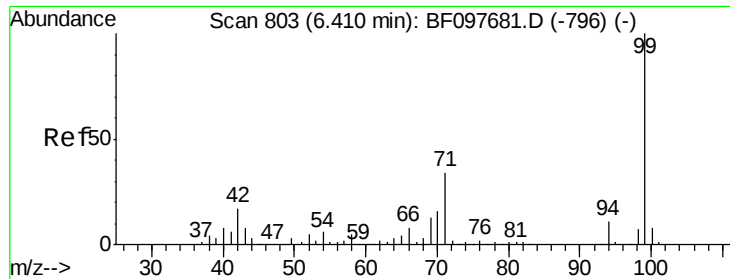
Ion Ratio Lower Upper

112 100

64 61.7 46.0 69.0

63 32.2 23.4 35.0





#7

Phenol-d6

Concen: 14.43 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097854.D

Acq: 19 Aug 2017 1:18

Instrument :

BNA_F

ClientSampleId :

B-14(0-10)COMP

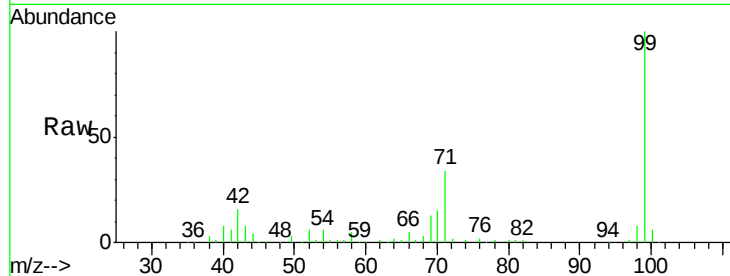
Tot Ion: 99 Resp: 167441

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

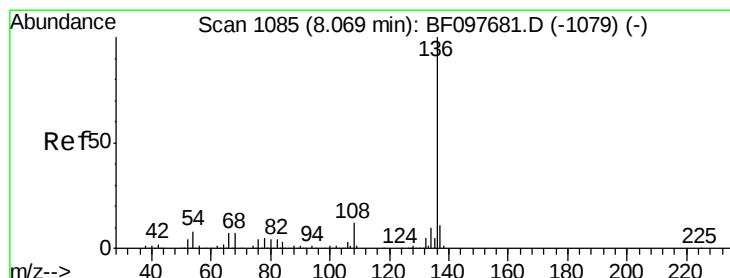
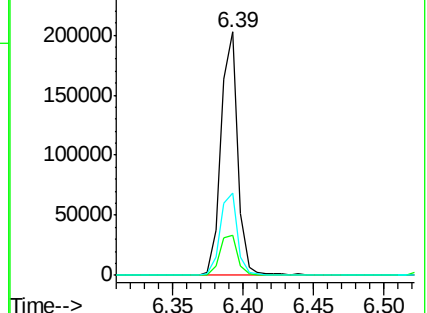
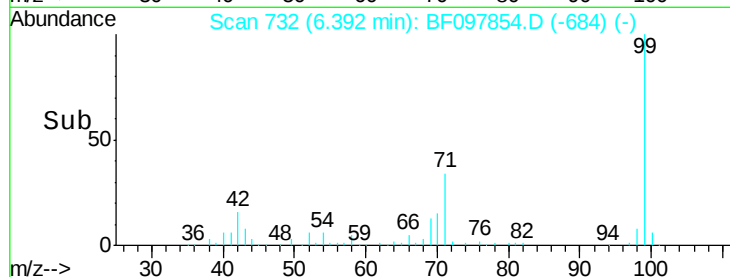
71 33.9 24.5 36.7



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: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF097854.D

Acq: 19 Aug 2017 1:18

Tgt Ion: 136 Resp: 518379

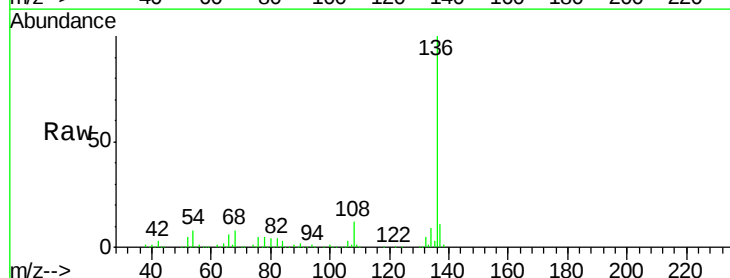
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 8.3 4.9 7.3#

68 7.7 4.1 6.1#

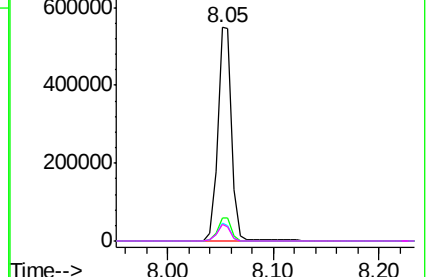
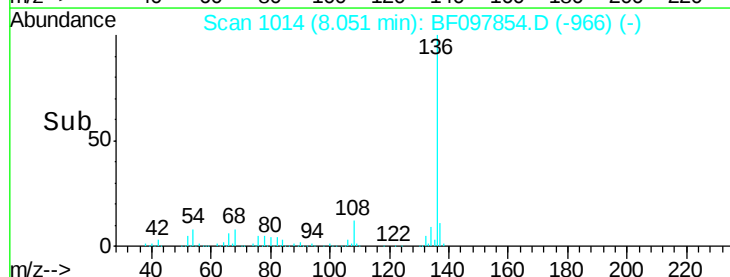


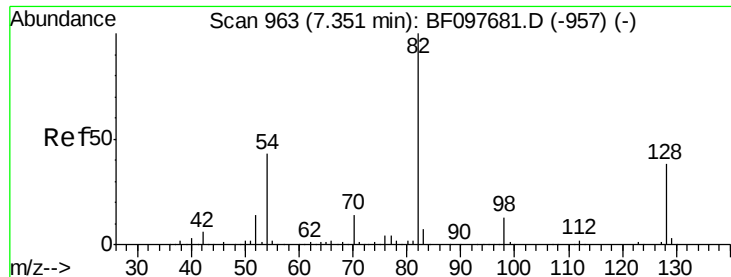
Abundance Ion 136.00 (135.70 to 136.70): E

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

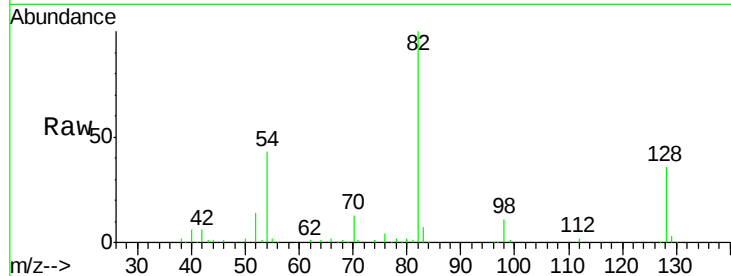




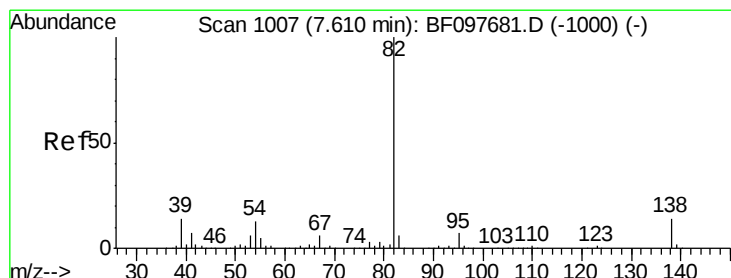
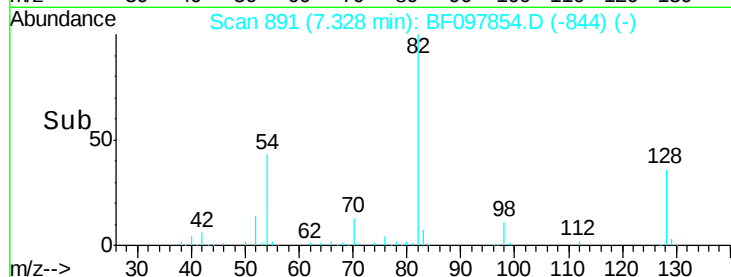
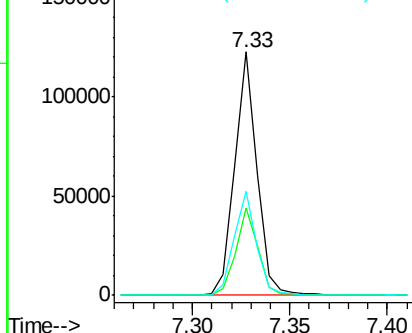
#23
 Nitrobenzene-d5
 Concen: 10.16 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.02 min
 Lab File: BF097854.D
 Acq: 19 Aug 2017 1:18

Instrument :
 BNA_F
 ClientSampleId :
 B-14(0-10)COMP

Tot Ion	82	Resp	96913
Ion Ratio	Lower	Upper	
82	100		
128	36.2	34.0	51.0
54	43.0	42.2	63.2

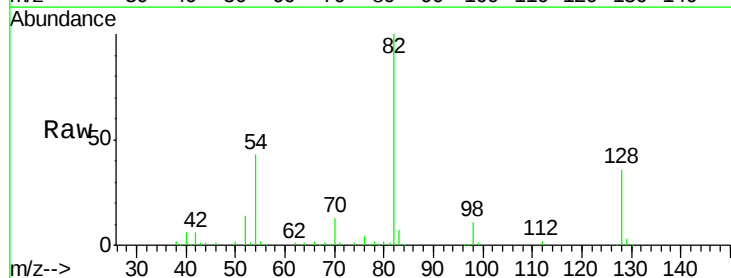


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

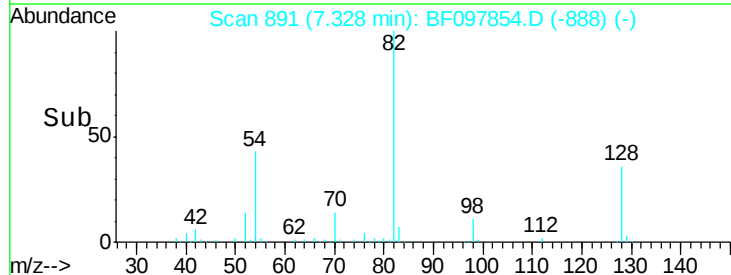
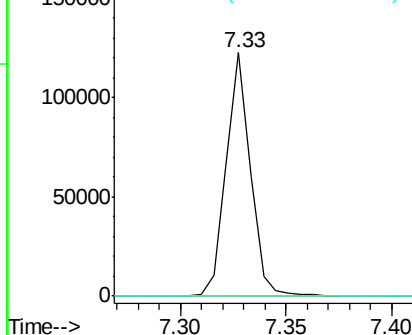


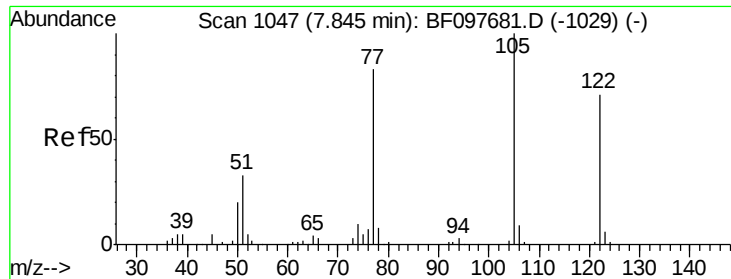
#25
 Isophorone
 Concen: 4.88 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.28 min
 Lab File: BF097854.D
 Acq: 19 Aug 2017 1:18

Tgt Ion	82	Resp	96911
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

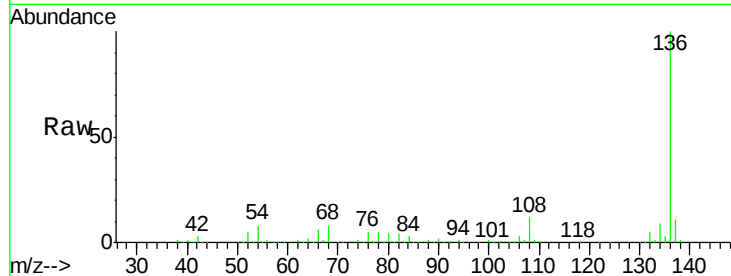




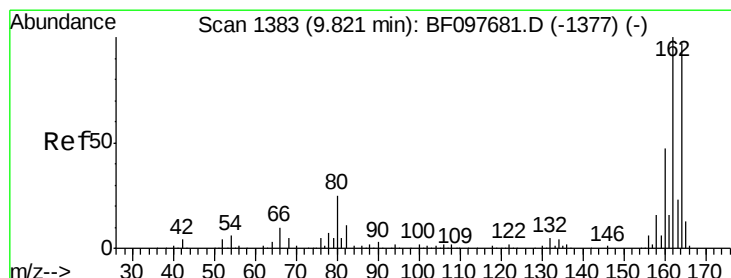
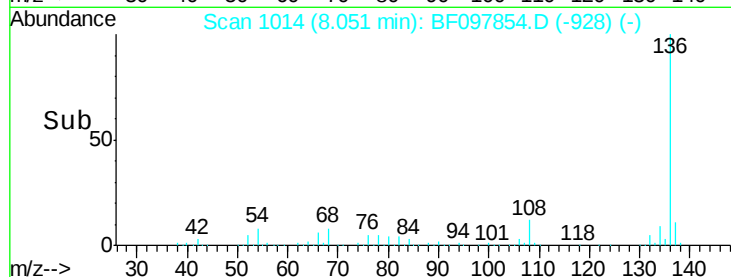
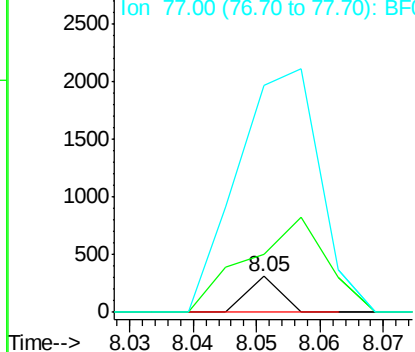
#32
Benzoic acid
Concen: 6.42 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.21 min
Lab File: BF097854.D
Acq: 19 Aug 2017 1:18

Instrument :
BNA_F
ClientSampleId :
B-14(0-10)COMP

Tot Ion:122 Resp: 110
Ion Ratio Lower Upper
122 100
105 159.9 103.3 143.3#
77 628.2 73.7 113.7#

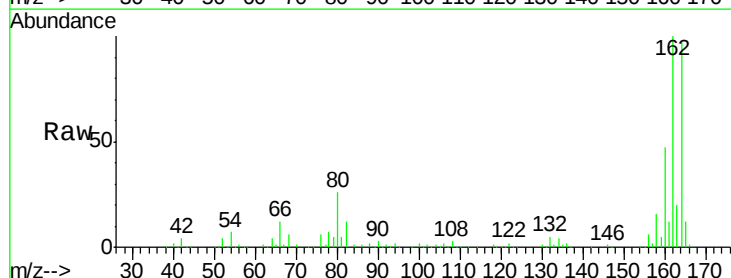


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

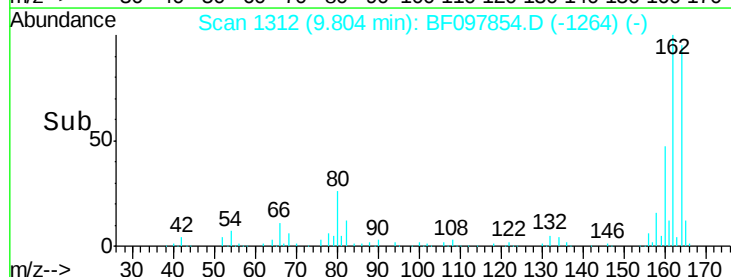
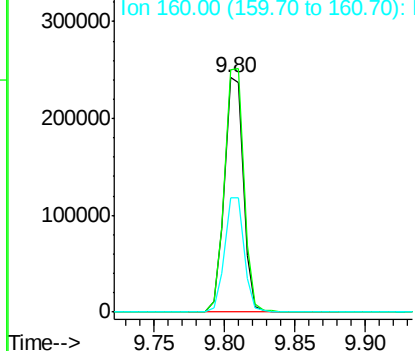


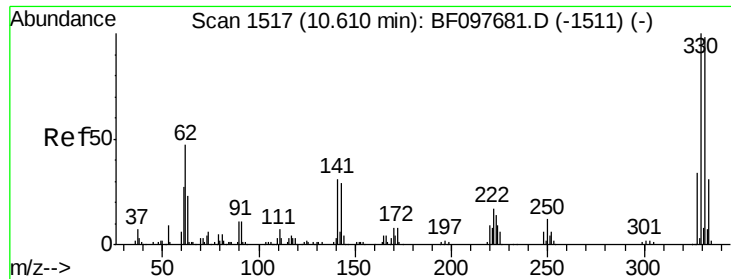
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF097854.D
Acq: 19 Aug 2017 1:18

Tgt Ion:164 Resp: 228350
Ion Ratio Lower Upper
164 100
162 103.4 82.6 123.8
160 48.8 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

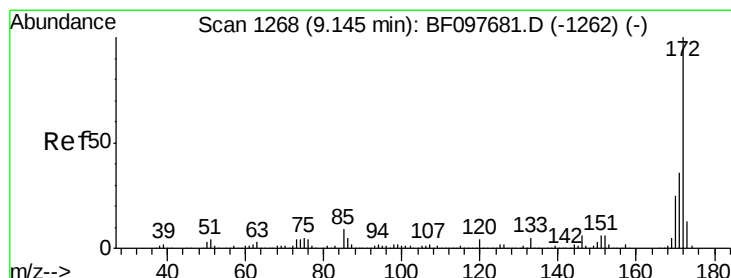
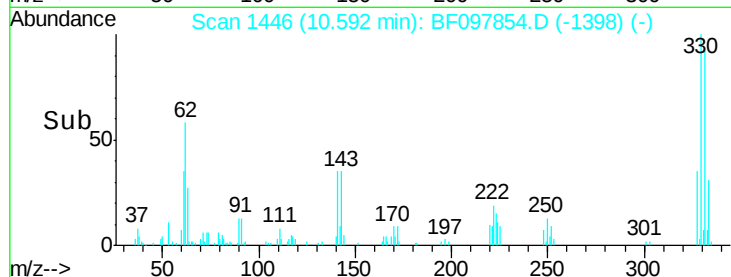
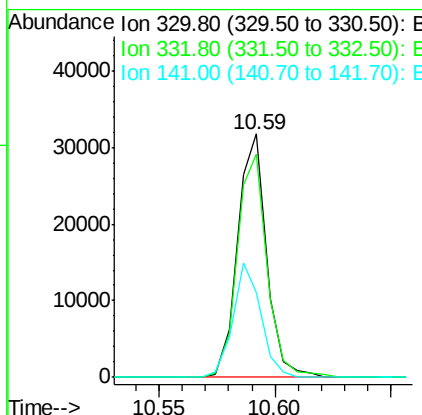
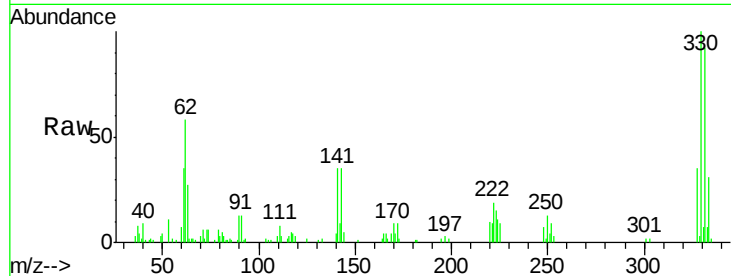




#41
 2,4,6-Tribromophenol
 Concen: 13.98 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097854.D
 Acq: 19 Aug 2017 1:18

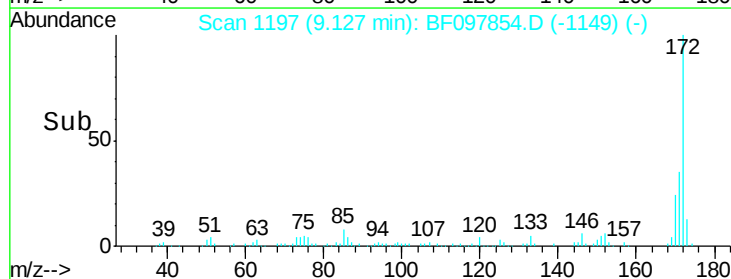
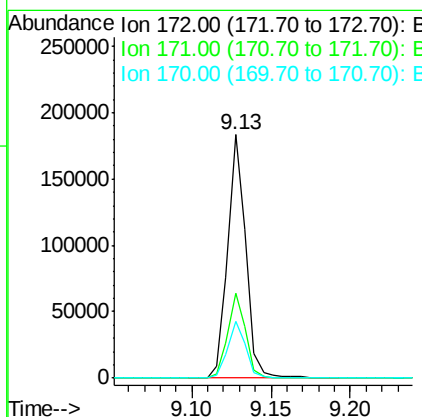
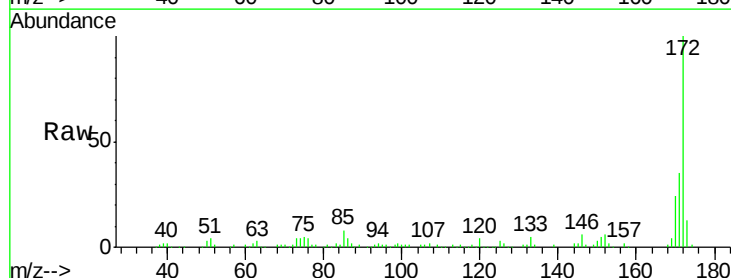
Instrument :
 BNA_F
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 B-14(0-10)COMP

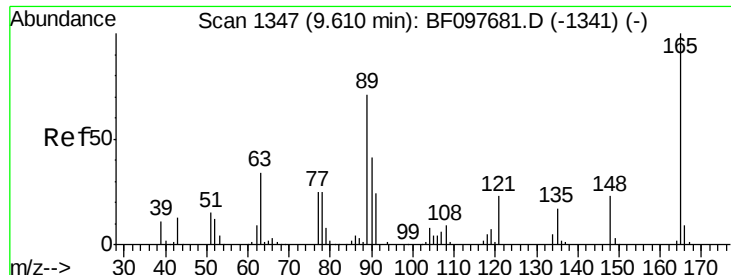
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	45.2	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 9.36 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097854.D
 Acq: 19 Aug 2017 1:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	23.5	19.8	29.8

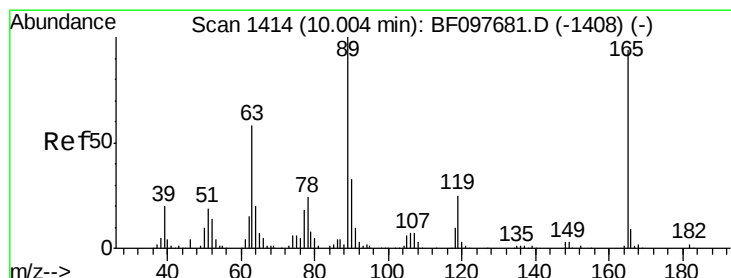
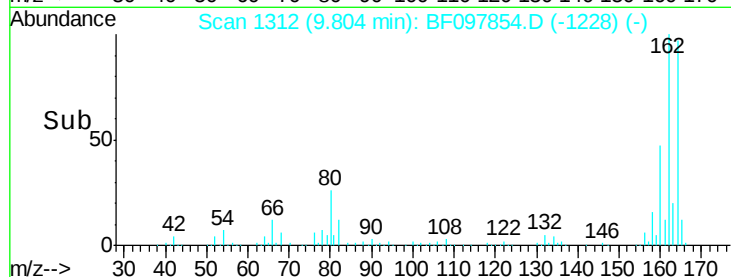
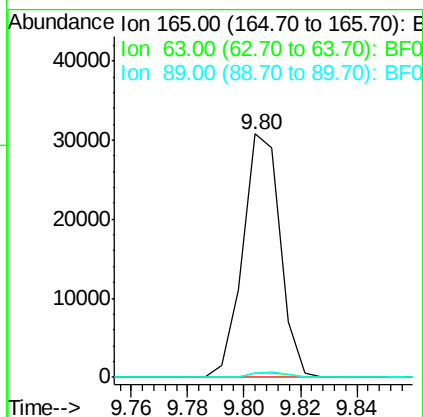
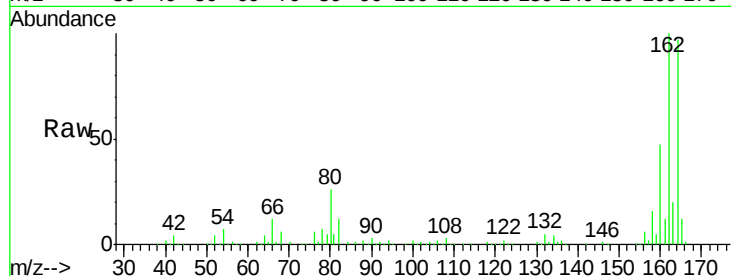




#50
 2,6-Dinitrotoluene
 Concen: 8.47 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF097854.D
 Acq: 19 Aug 2017 1:18

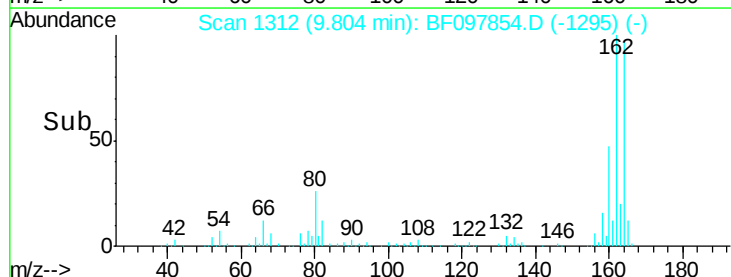
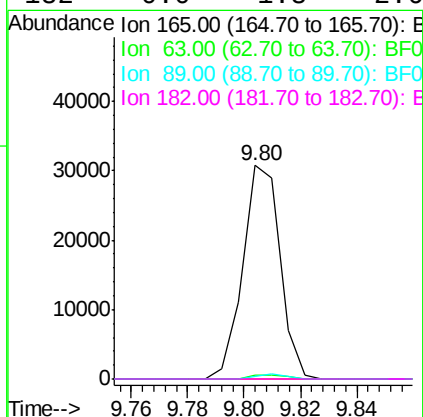
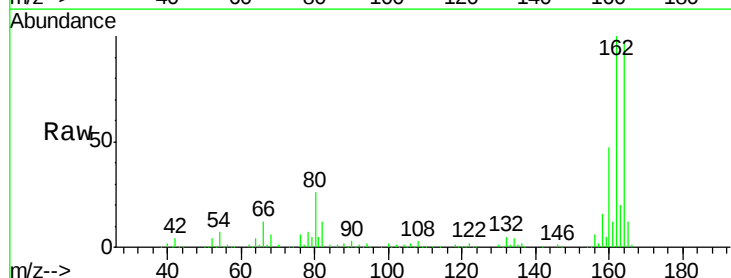
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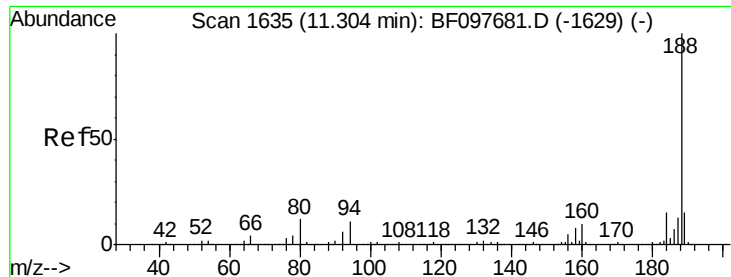
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.5	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.75 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.20 min
 Lab File: BF097854.D
 Acq: 19 Aug 2017 1:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.02 min

Lab File: BF097854.D

Acq: 19 Aug 2017 1:18

Instrument :

BNA_F

ClientSampleId :

B-14(0-10)COMP

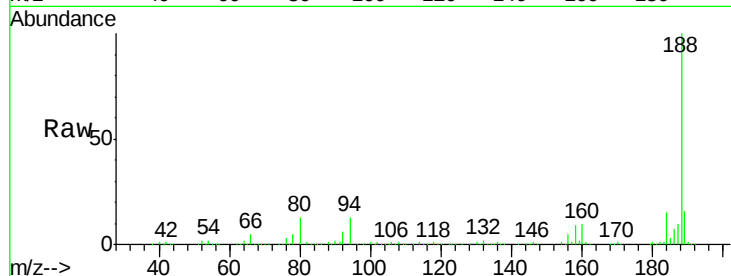
Tot Ion:188 Resp: 445109

Ion Ratio Lower Upper

188 100

94 12.5 9.4 14.2

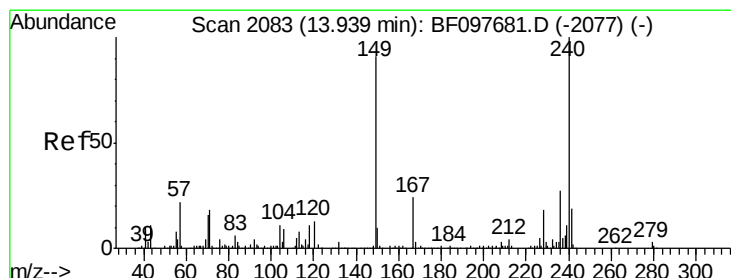
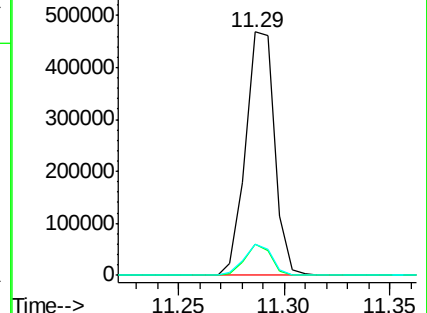
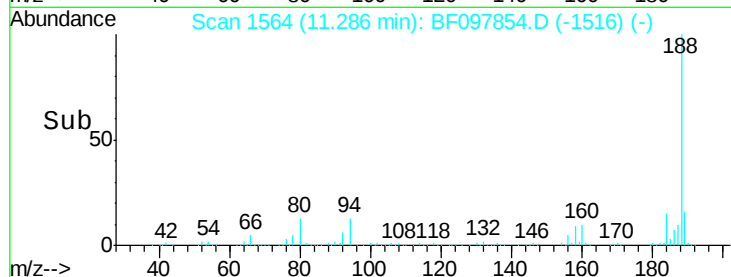
80 13.0 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097854.D

Acq: 19 Aug 2017 1:18

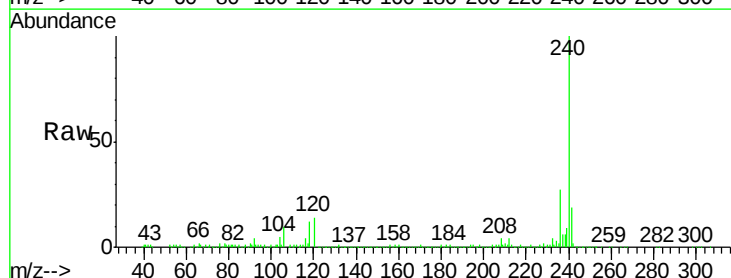
Tgt Ion:240 Resp: 343714

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

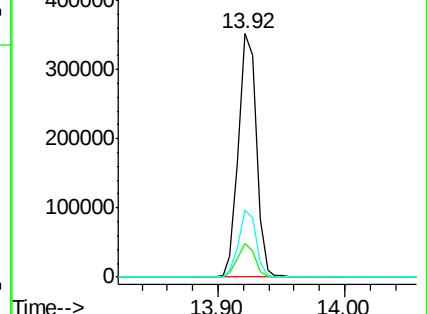
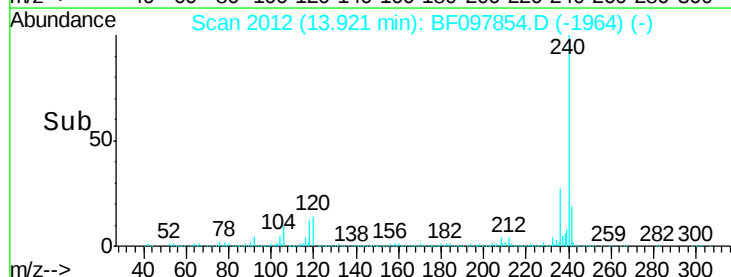
236 27.5 20.5 30.7

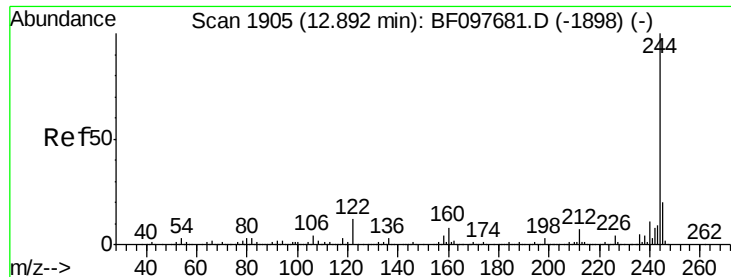


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 7.39 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF097854.D

Acq: 19 Aug 2017 1:18

Instrument :

BNA_F

ClientSampleId :

B-14(0-10)COMP

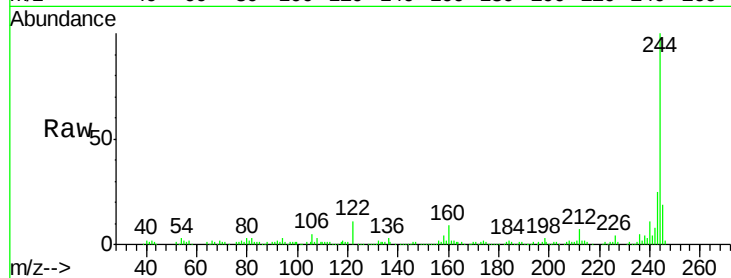
Tot Ion:244 Resp: 121851

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

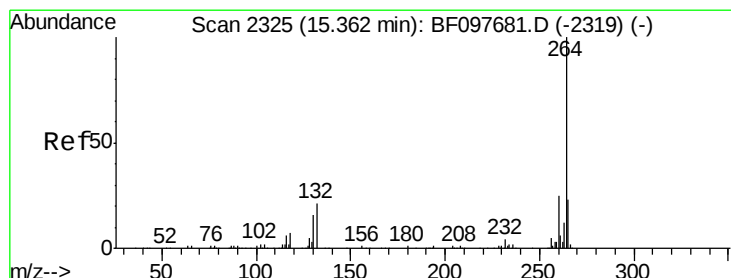
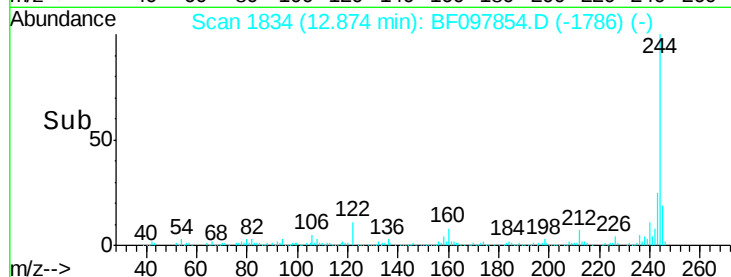
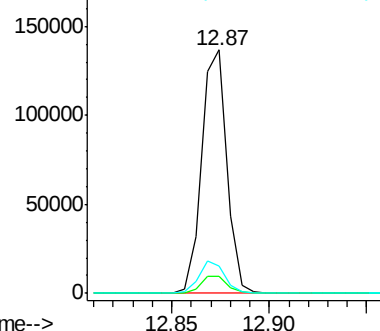
122 11.1 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF097854.D

Acq: 19 Aug 2017 1:18

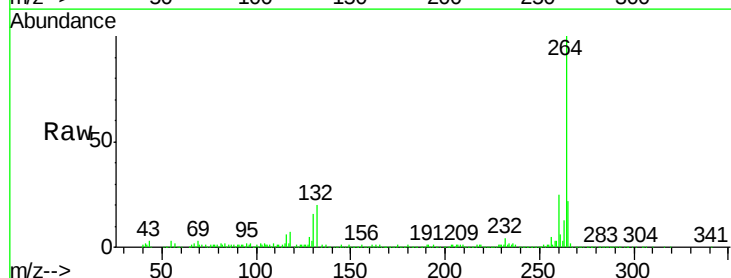
Tgt Ion:264 Resp: 304545

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.6 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

