

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097461.D
 Acq On : 8 Aug 2017 6:56
 Operator : SJ/JU
 Sample : I4629-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-1

Quant Time: Aug 08 08:13:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

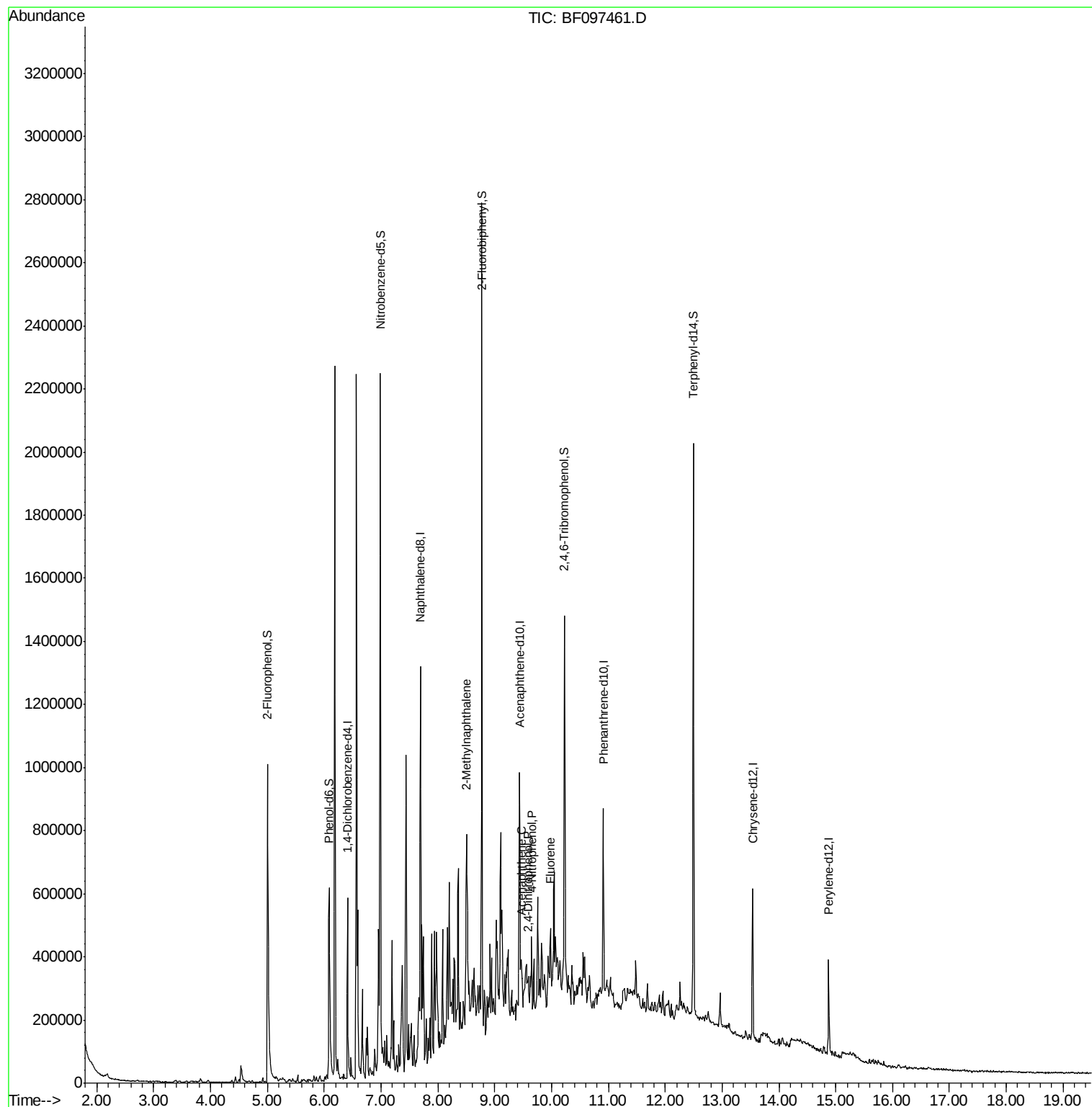
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	83948	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	359247	20.00	ng	0.00
38) Acenaphthene-d10	9.44	164	139142	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	200941	20.00	ng	0.00
75) Chrysene-d12	13.54	240	171346	20.00	ng	0.00
86) Perylene-d12	14.87	264	115222	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	394055	70.76	ng	0.00
7) Phenol-d6	6.09	99	289740	45.58	ng	0.00
23) Nitrobenzene-d5	6.99	82	595615	97.26	ng	0.00
41) 2,4,6-Tribromophenol	10.23	330	144622	131.55	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	848569	103.50	ng	0.00
78) Terphenyl-d14	12.50	244	594875	70.78	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.50	142	123594	11.527	ng	95
51) Acenaphthene	9.47	154	24351	3.080	ng	97
53) 2,4-Dinitrophenol	9.59	184	2487	2.441	ng	# 79
55) 4-Nitrophenol	9.65	139	10432	6.306	ng	# 68
57) Fluorene	9.98	166	34817	4.398	ng	# 95

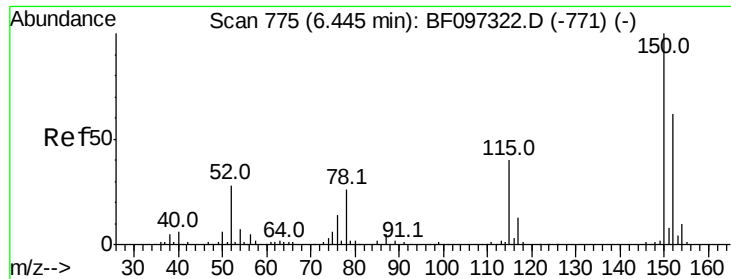
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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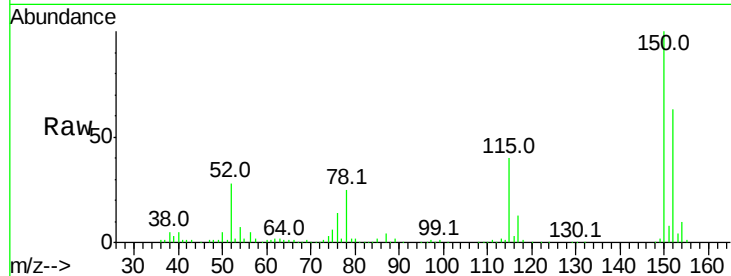


#1

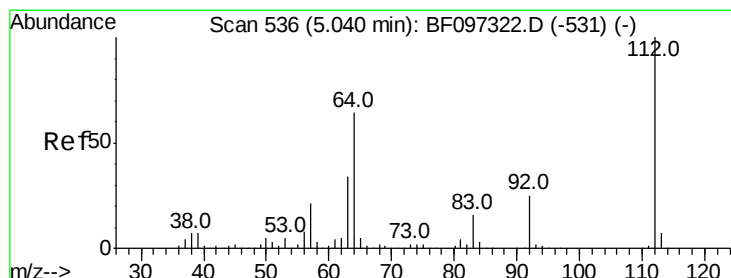
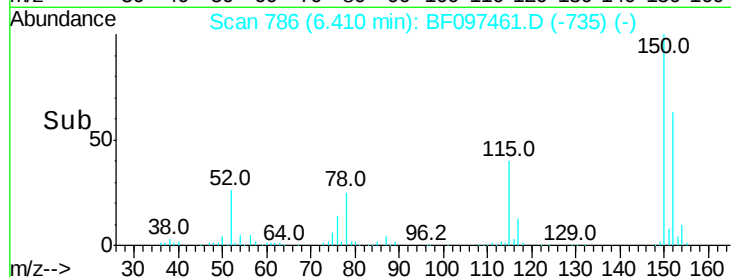
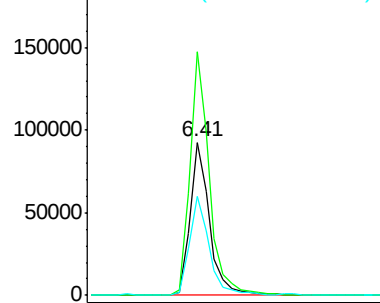
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.41 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF097461.D
 Acq: 8 Aug 2017 6:56

Instrument :
 BNA_F
 ClientSampleId :
 RW-1

Tot Ion:152 Resp: 83948
 Ion Ratio Lower Upper
 152 100
 150 159.3 126.2 189.2
 115 64.4 52.2 78.2



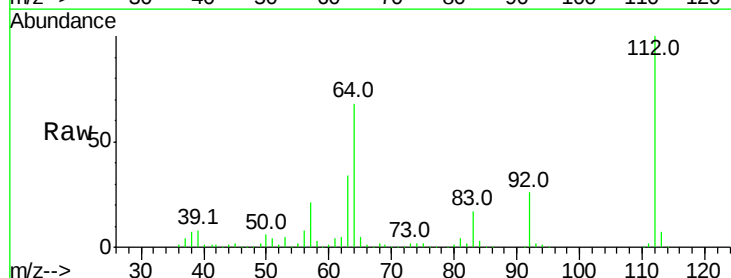
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



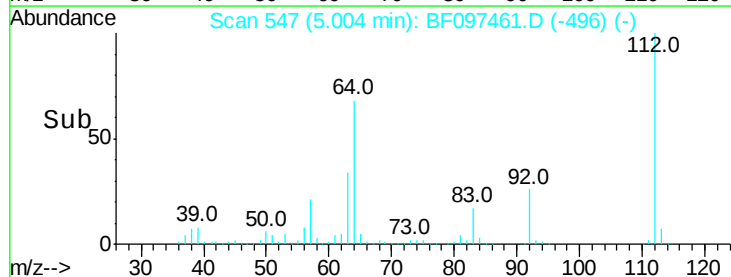
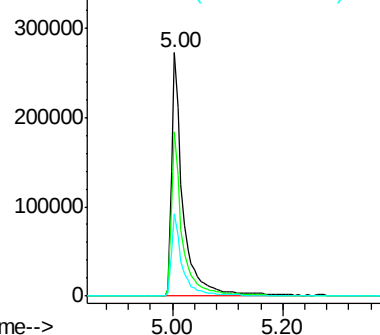
#5

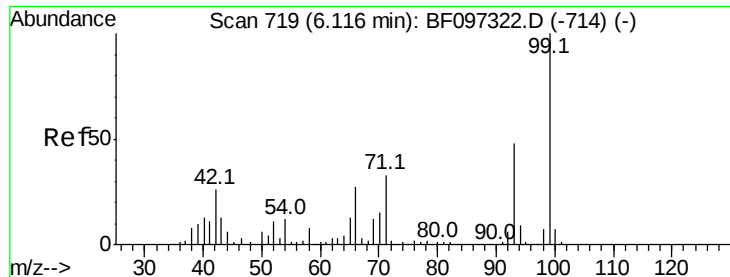
2-Fluorophenol
 Concen: 70.762 ng
 RT: 5.00 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: BF097461.D
 Acq: 8 Aug 2017 6:56

Tgt Ion:112 Resp: 394055
 Ion Ratio Lower Upper
 112 100
 64 67.6 46.0 69.0
 63 34.1 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: 45.575 ng

RT: 6.09 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097461.D

Acq: 8 Aug 2017 6:56

Instrument :

BNA_F

ClientSampled :

RW-1

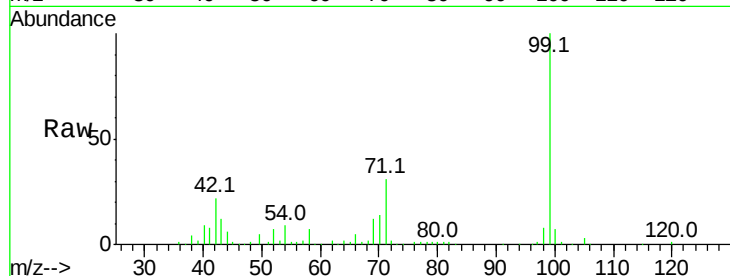
Tot Ion: 99 Resp: 289740

Ion Ratio Lower Upper

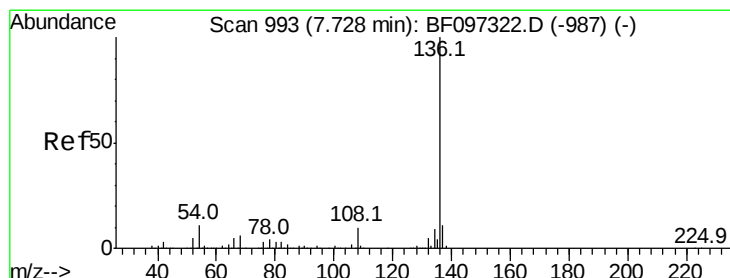
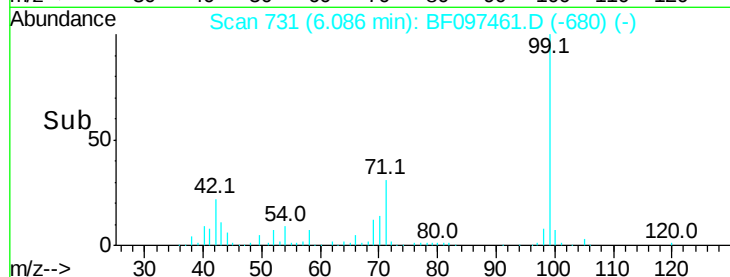
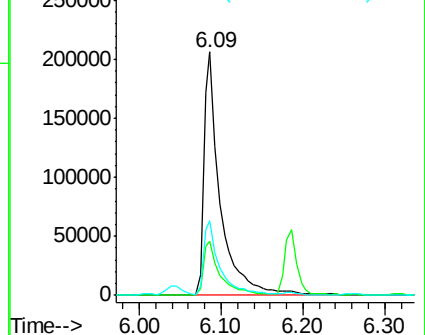
99 100

42 22.1 13.5 20.3#

71 30.6 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: 20.000 ng

RT: 7.69 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF097461.D

Acq: 8 Aug 2017 6:56

Tgt Ion: 136 Resp: 359247

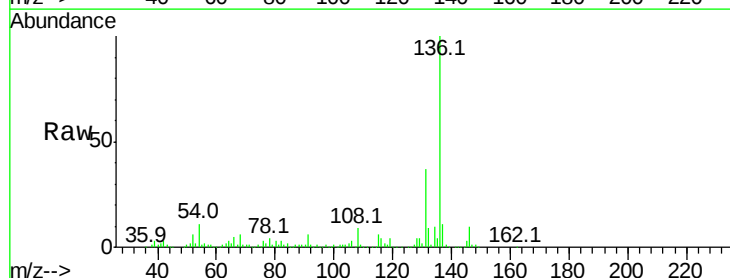
Ion Ratio Lower Upper

136 100

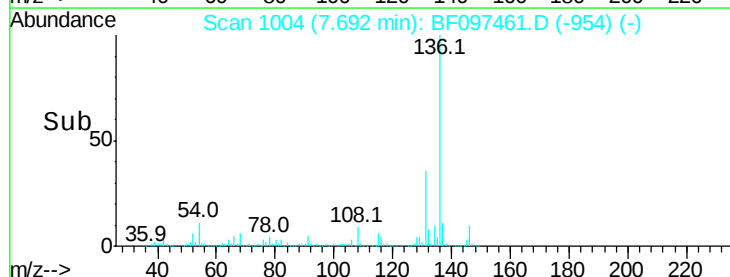
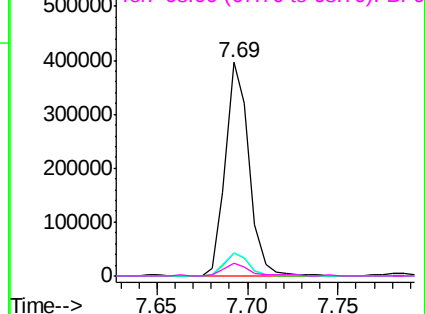
137 10.8 8.5 12.7

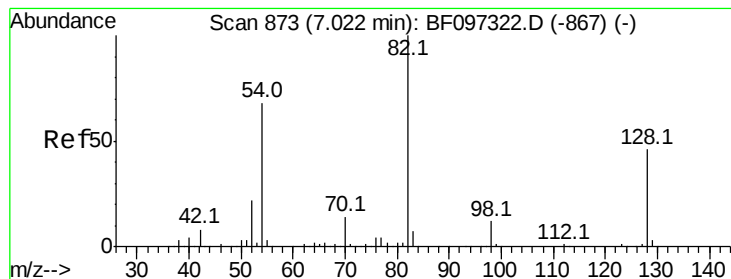
54 10.9 4.9 7.3#

68 6.0 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: 97.262 ng

RT: 6.99 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF097461.D

Acq: 8 Aug 2017 6:56

Instrument :

BNA_F

ClientSampleId :

RW-1

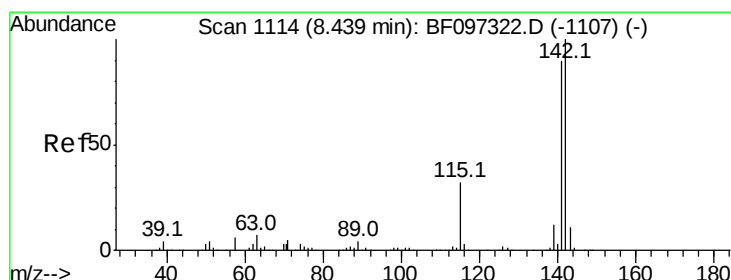
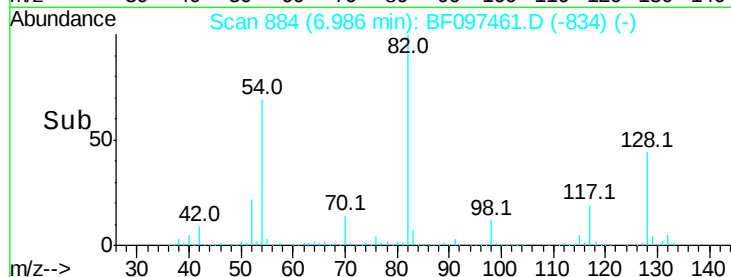
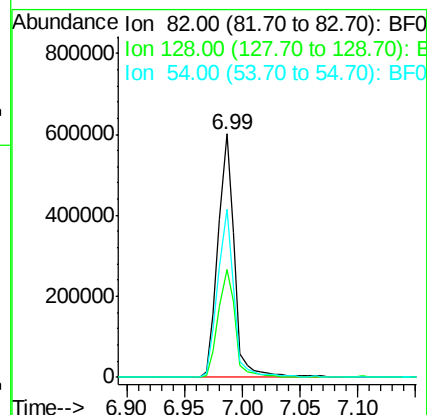
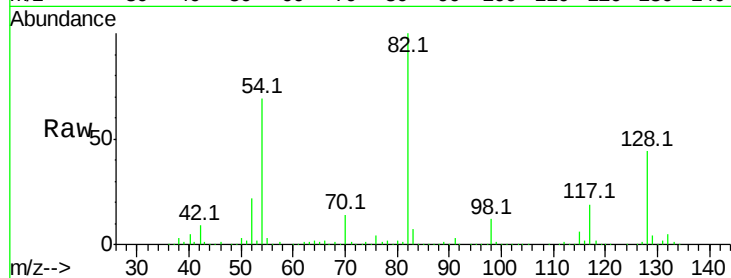
Tot Ion: 82 Resp: 595615

Ion Ratio Lower Upper

82 100

128 44.3 34.0 51.0

54 68.8 42.2 63.2#



#37

2-Methylnaphthalene

Concen: 11.527 ng

RT: 8.50 min Scan# 1142

Delta R.T. 0.09 min

Lab File: BF097461.D

Acq: 8 Aug 2017 6:56

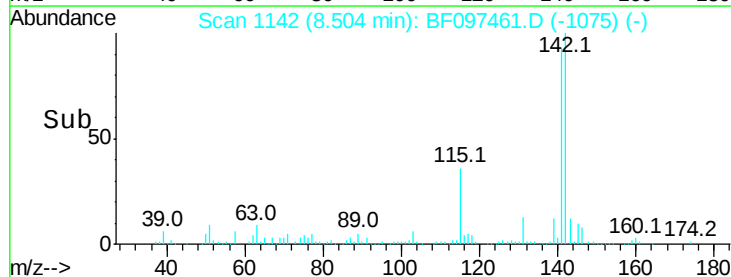
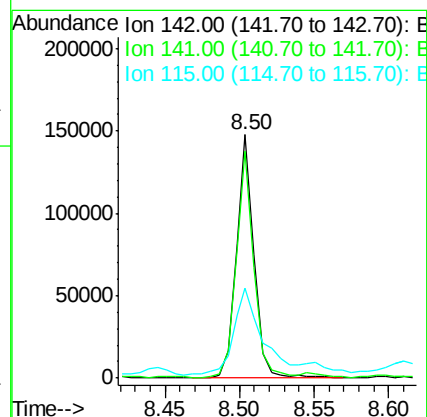
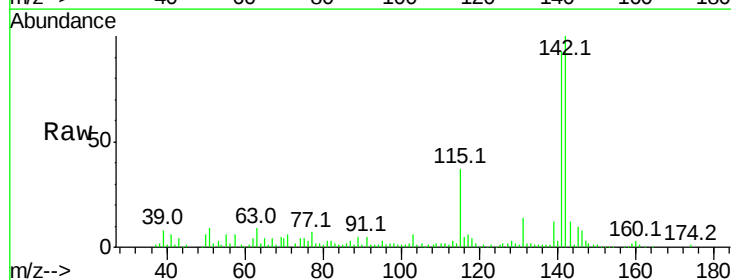
Tgt Ion:142 Resp: 123594

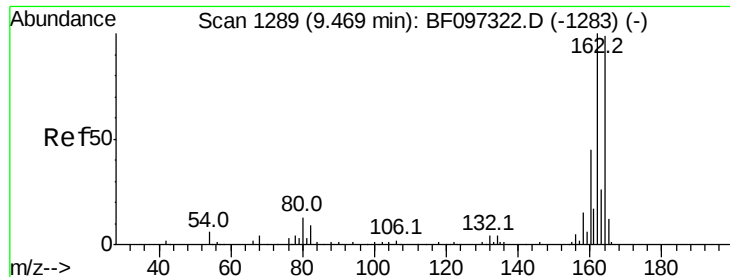
Ion Ratio Lower Upper

142 100

141 93.4 71.3 106.9

115 37.1 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.44 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF097461.D

Acq: 8 Aug 2017 6:56

Instrument :

BNA_F

ClientSampleId :

RW-1

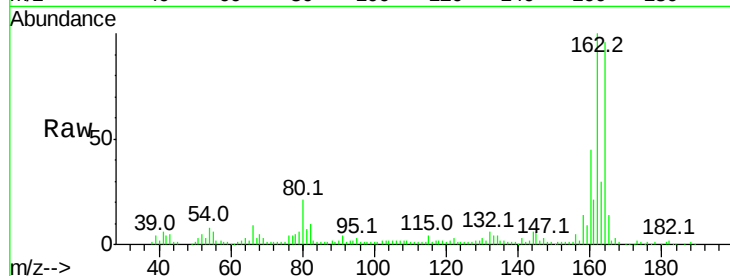
Tot Ion:164 Resp: 139142

Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

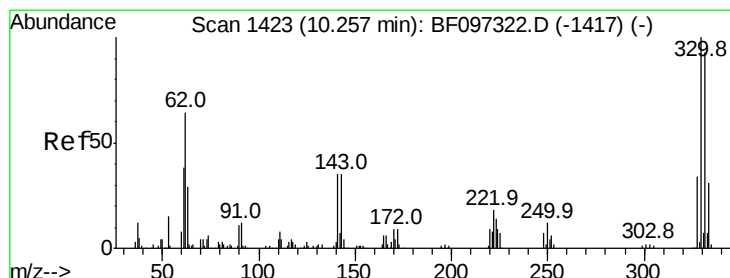
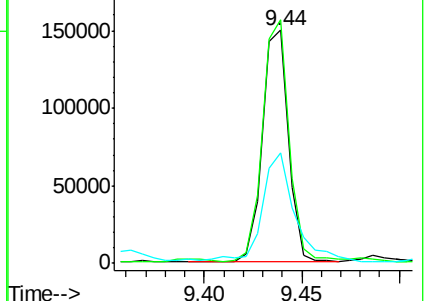
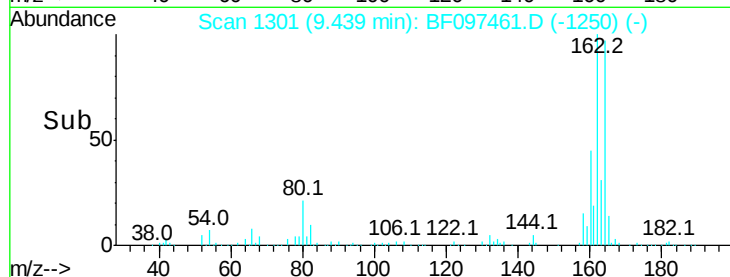
160 47.2 36.2 54.2



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: 131.552 ng

RT: 10.23 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BF097461.D

Acq: 8 Aug 2017 6:56

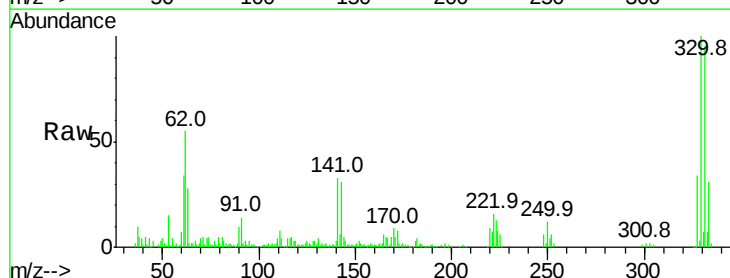
Tgt Ion:330 Resp: 144622

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

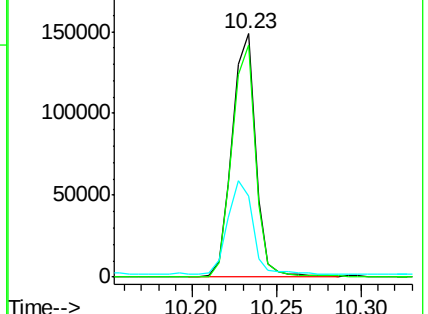
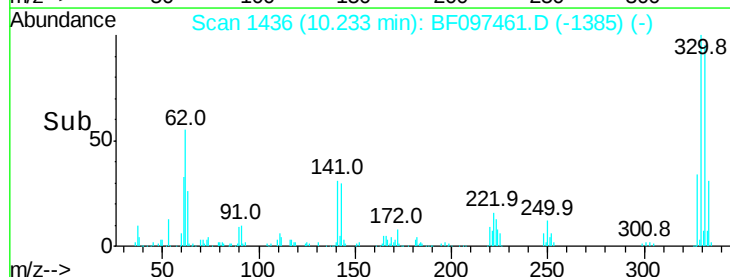
141 40.3 31.4 47.2

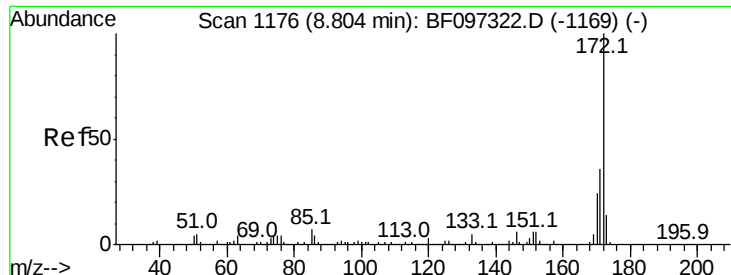


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

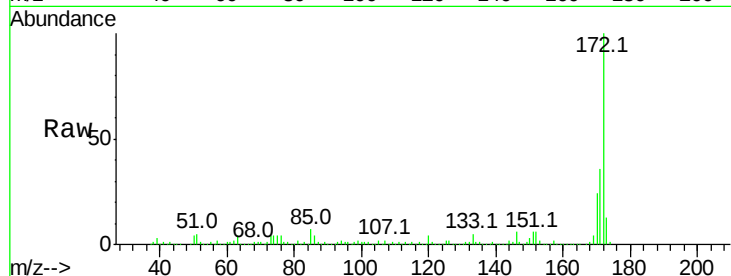




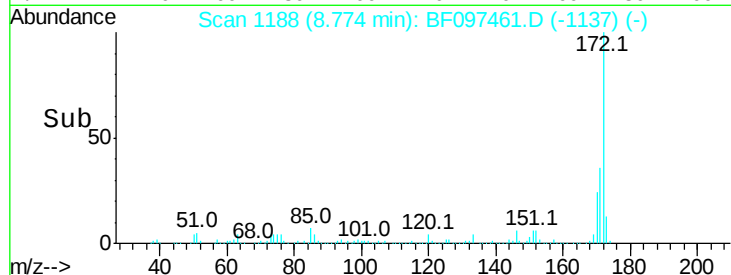
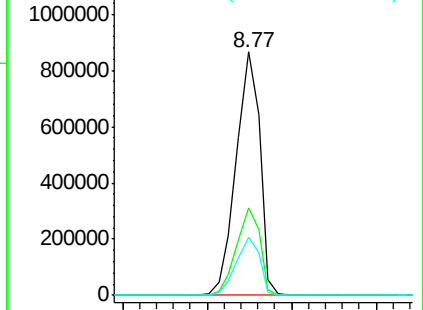
#44
 2-Fluorobiphenyl
 Concen: 103.499 ng
 RT: 8.77 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF097461.D
 Acq: 8 Aug 2017 6:56

Instrument :
 BNA_F
 ClientSampleId :
 RW-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.8	19.8	29.8

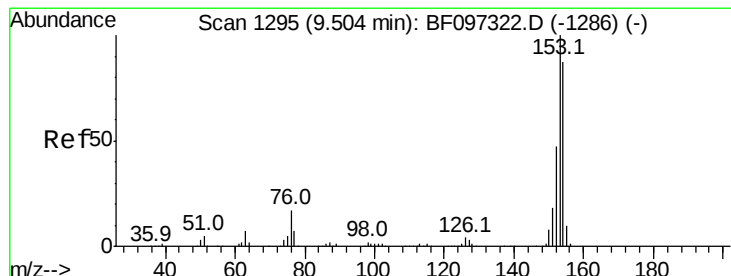


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

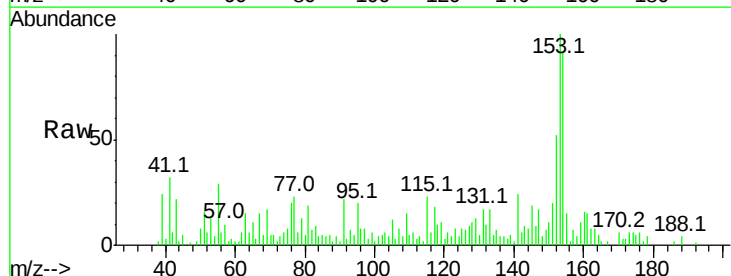
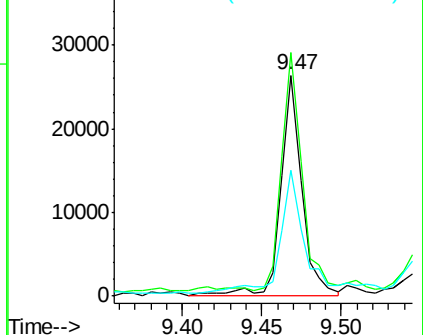


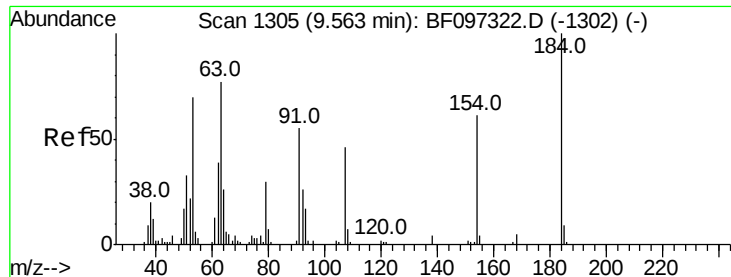
#51
 Acenaphthene
 Concen: 3.080 ng
 RT: 9.47 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF097461.D
 Acq: 8 Aug 2017 6:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.2	90.5	135.7
152	57.1	43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

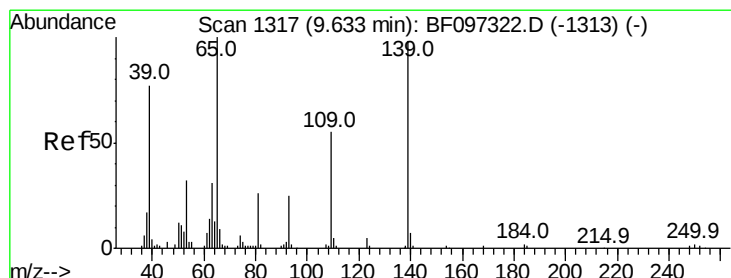
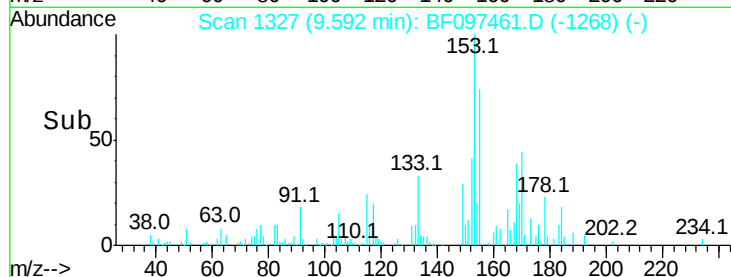
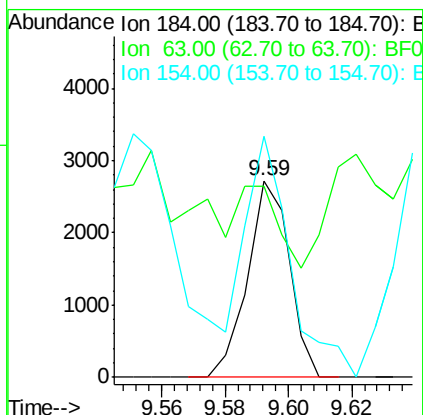
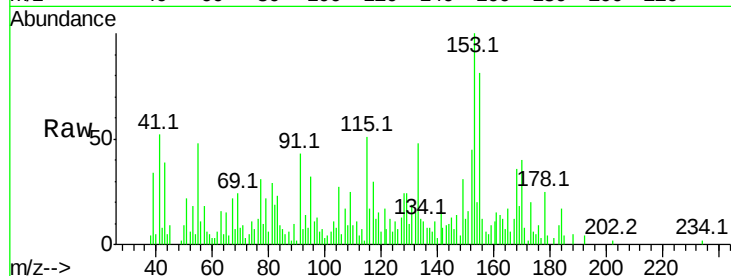




#53
 2,4-Dinitrophenol
 Concen: 2.441 ng
 RT: 9.59 min Scan# 1327
 Delta R.T. 0.05 min
 Lab File: BF097461.D
 Acq: 8 Aug 2017 6:56

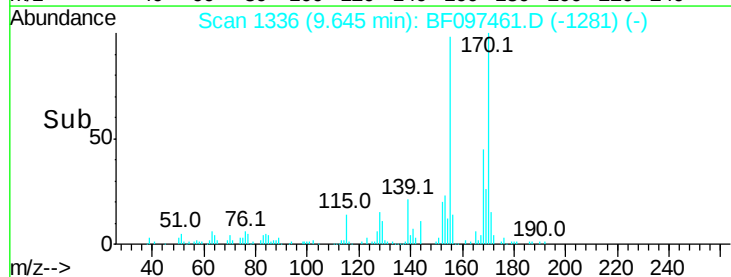
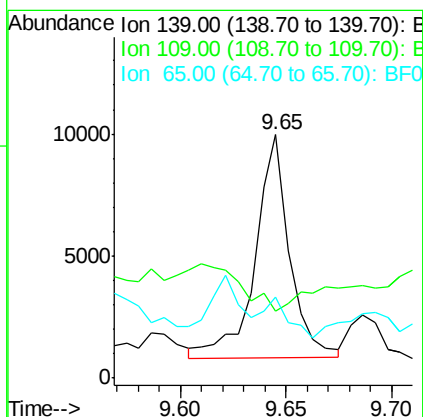
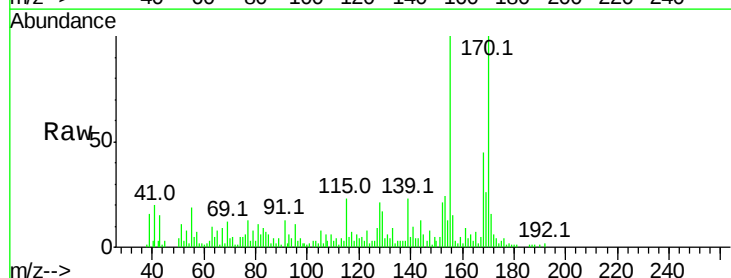
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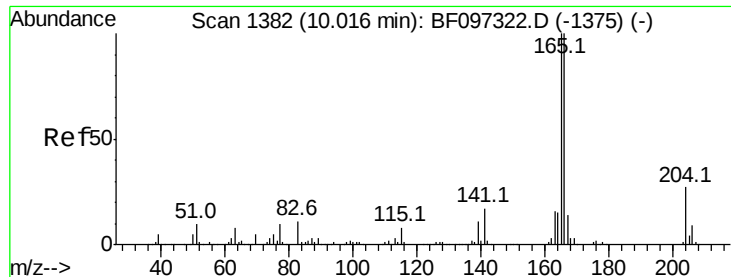
Tot Ion:184 Resp: 2487
 Ion Ratio Lower Upper
 184 100
 63 97.1 62.7 94.1#
 154 122.5 81.1 121.7#



#55
 4-Nitrophenol
 Concen: 6.306 ng
 RT: 9.65 min Scan# 1336
 Delta R.T. 0.02 min
 Lab File: BF097461.D
 Acq: 8 Aug 2017 6:56

Tgt Ion:139 Resp: 10432
 Ion Ratio Lower Upper
 139 100
 109 27.8 34.1 74.1#
 65 33.1 31.4 71.4

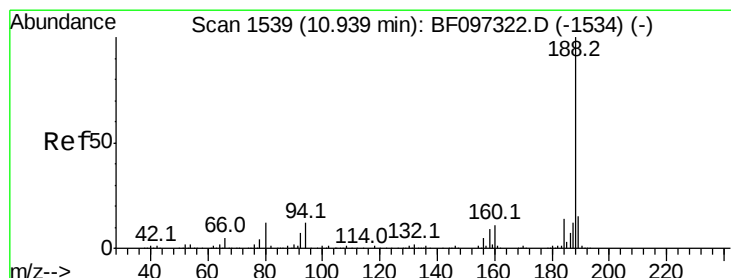
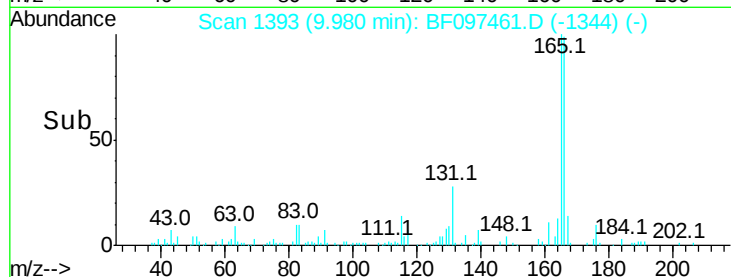
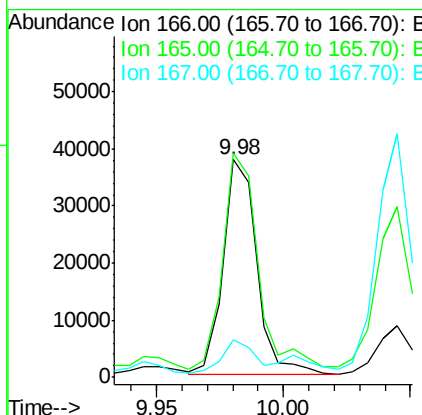
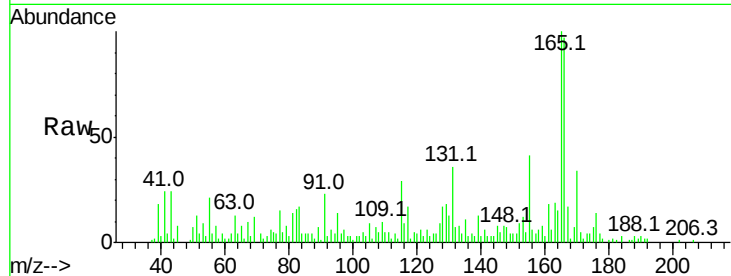




#57
Fluorene
 Concen: 4.398 ng
 RT: 9.98 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF097461.D
 Acq: 8 Aug 2017 6:56

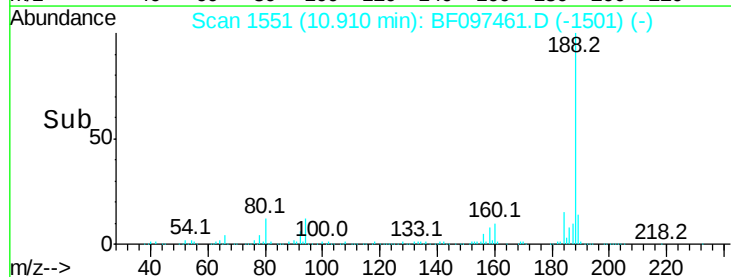
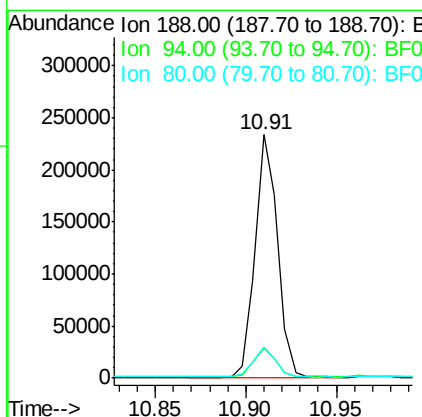
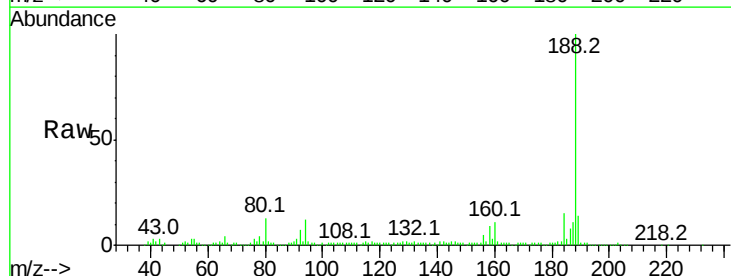
Instrument :
 BNA_F
 ClientSampleId :
 RW-1

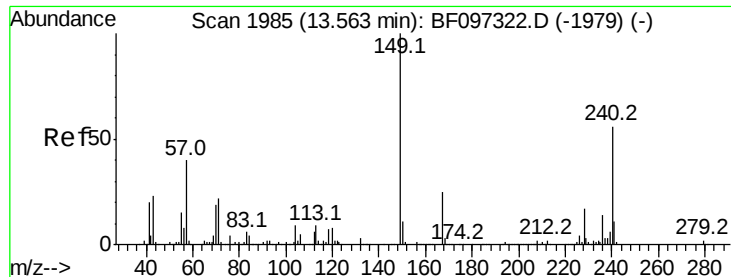
Tot Ion:166 Resp: 34817
 Ion Ratio Lower Upper
 166 100
 165 103.0 78.8 118.2
 167 17.1 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.91 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF097461.D
 Acq: 8 Aug 2017 6:56

Tgt Ion:188 Resp: 200941
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.4 14.2
 80 12.6 10.2 15.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.54 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BF097461.D

Acq: 8 Aug 2017 6:56

Instrument :

BNA_F

ClientSampleId :

RW-1

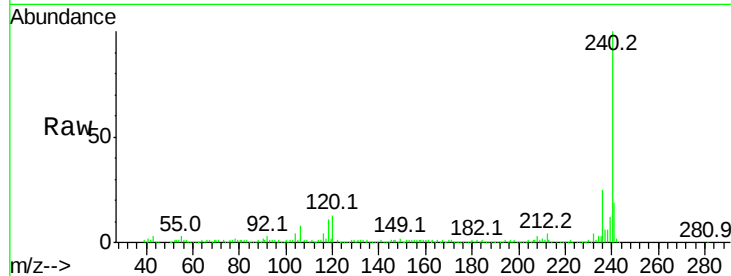
Tot Ion:240 Resp: 171346

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

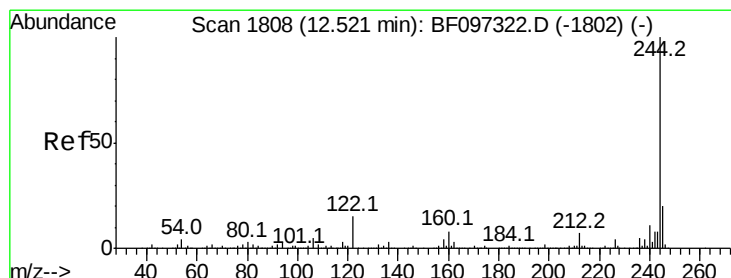
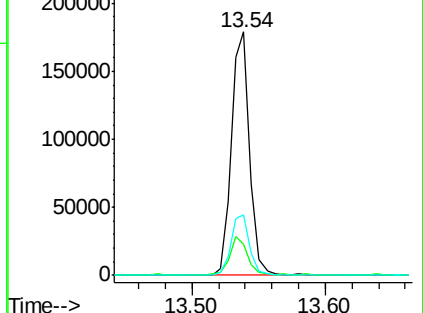
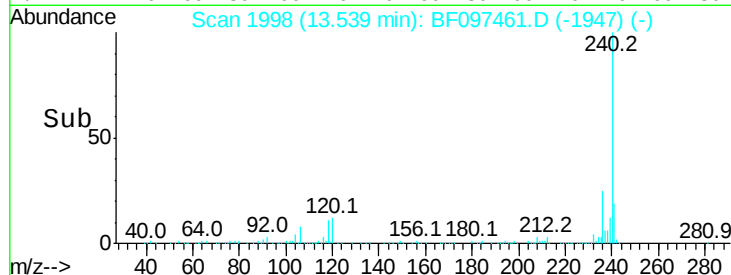
236 25.1 20.5 30.7



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: 70.784 ng

RT: 12.50 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF097461.D

Acq: 8 Aug 2017 6:56

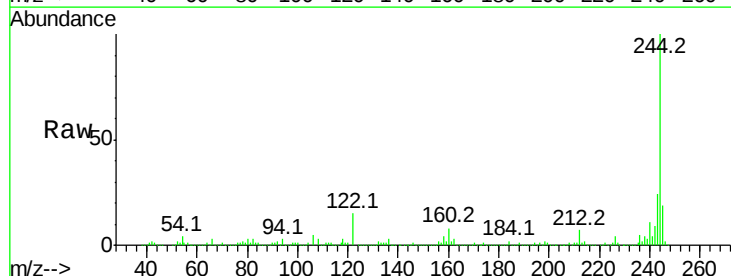
Tgt Ion:244 Resp: 594875

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

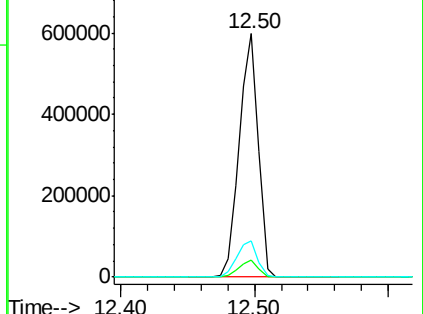
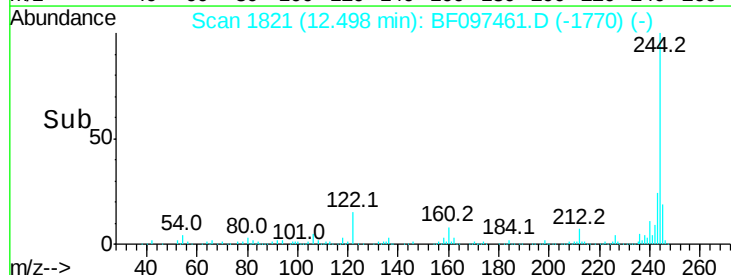
122 14.9 10.3 15.5

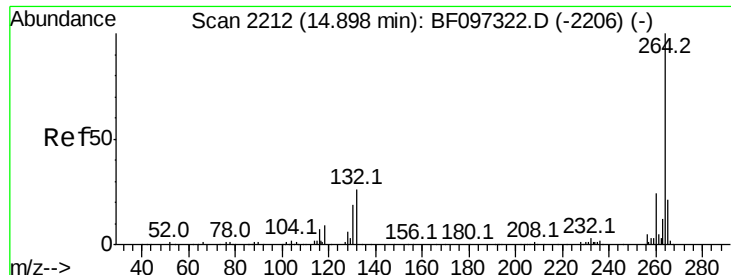


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

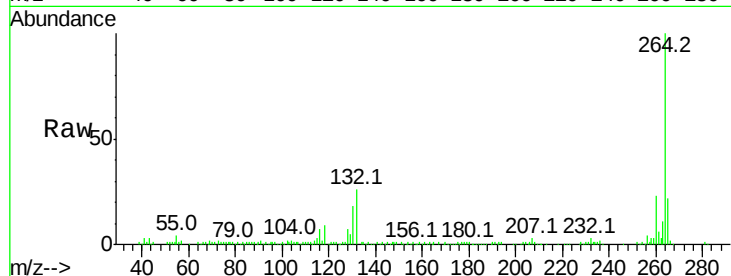




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097461.D
Acq: 8 Aug 2017 6:56

Instrument :
BNA_F
ClientSampleId :
RW-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	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

