

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097527.D
 Acq On : 9 Aug 2017 20:38
 Operator : SJ/JU
 Sample : I4658-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-SSW

Quant Time: Aug 10 01:06:59 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

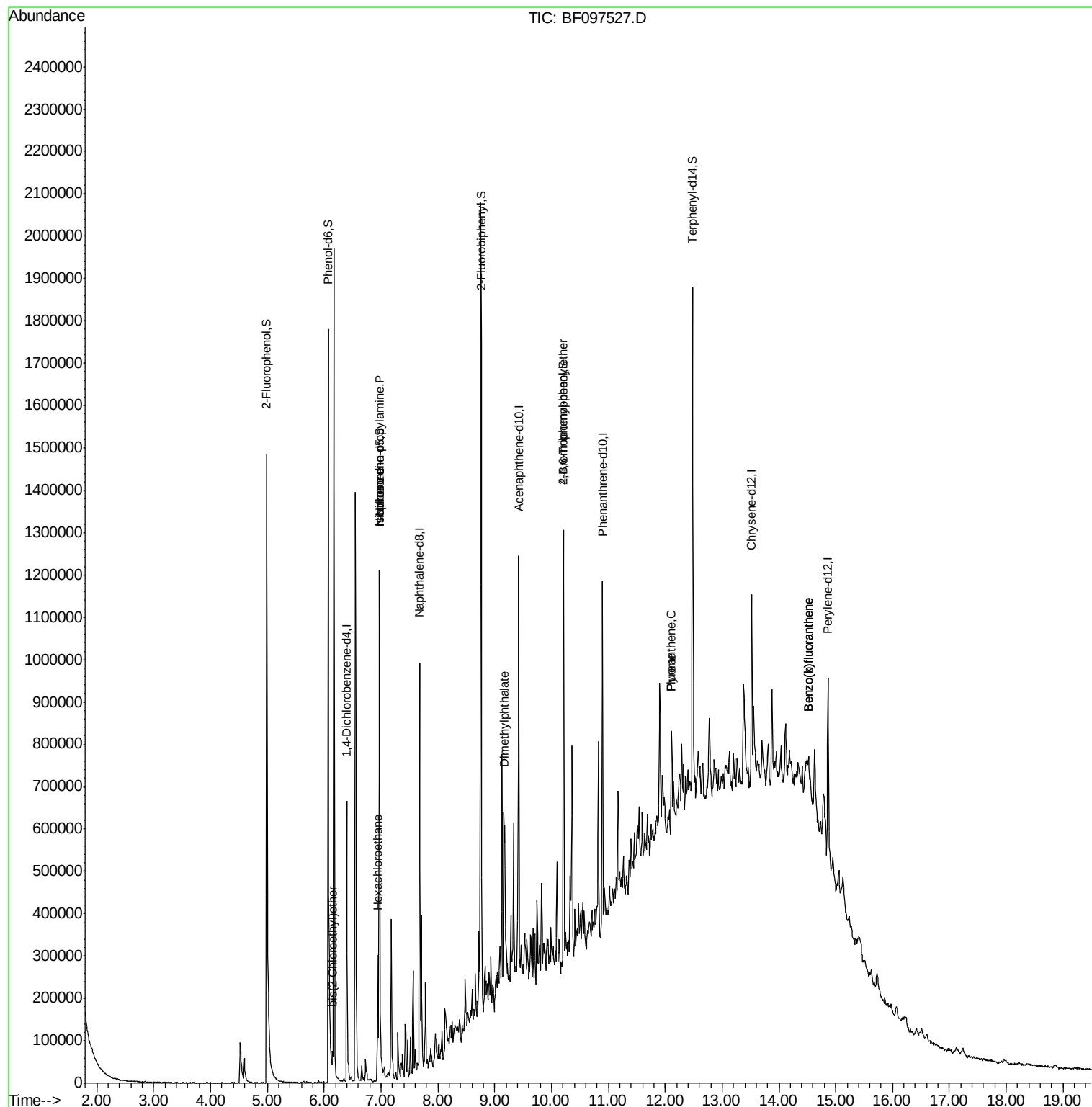
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	107700	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	438523	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	190285	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	295871	20.00	ng	-0.02
75) Chrysene-d12	13.53	240	171122	20.00	ng	-0.01
86) Perylene-d12	14.86	264	169946	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	601474	84.19	ng	-0.02
7) Phenol-d6	6.07	99	699039	85.71	ng	-0.02
23) Nitrobenzene-d5	6.97	82	393530	52.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	120954	80.45	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	626765	55.90	ng	-0.02
78) Terphenyl-d14	12.48	244	402778	47.99	ng	-0.02
Target Compounds						
11) bis(2-Chloroethyl)ether	6.15	93	15358	2.01	ng	Qvalue 88
18) Hexachloroethane	6.94	117	10439	3.50	ng	# 1
19) n-Nitroso-di-n-propylamine	6.97	70	53222	9.91	ng	# 84
25) Isophorone	6.97	82	393526	26.88	ng	# 67
49) Dimethylphthalate	9.16	163	128680	8.91	ng	100
66) 4-Bromophenyl-phenylether	10.21	248	7791	2.64	ng	# 1
74) Fluoranthene	12.10	202	33534	2.16	ng	95
77) Pyrene	12.10	202	33422	2.39	ng	98
87) Benzo(b)fluoranthene	14.52	252	28484	2.79	ng	# 36
88) Benzo(k)fluoranthene	14.52	252	28484	2.93	ng	# 38

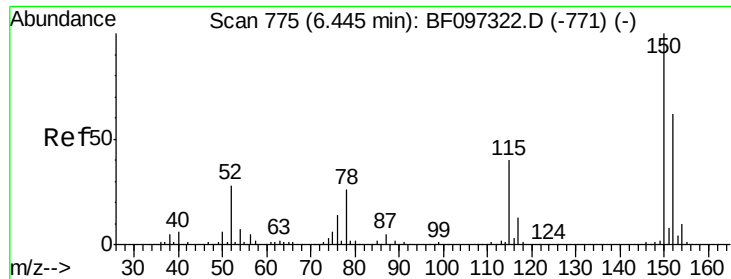
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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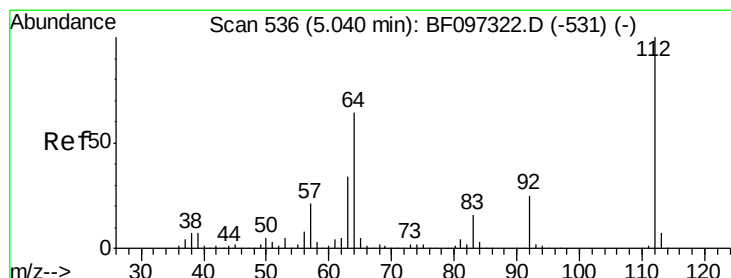
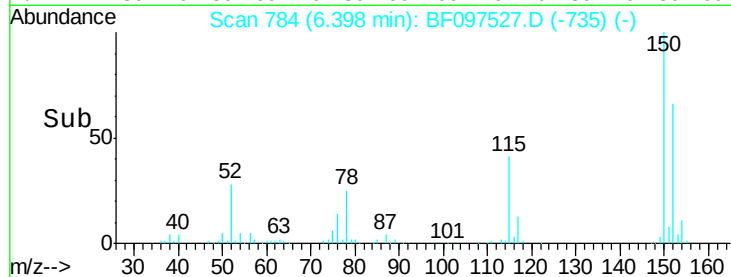
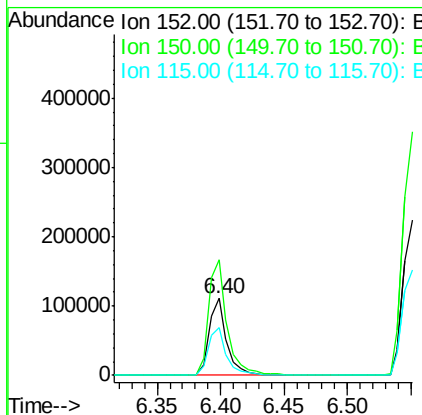
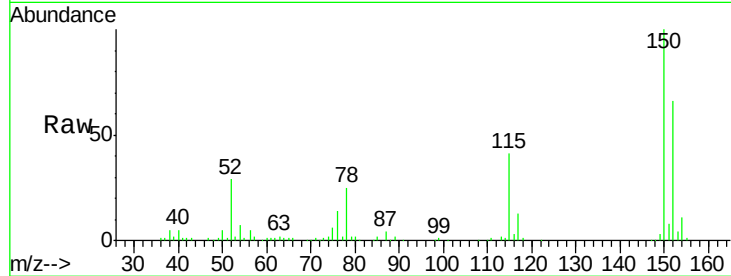


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097527.D
Acq: 9 Aug 2017 20:38

Instrument :
BNA_F
ClientSampleId :
E2-L9-SSW

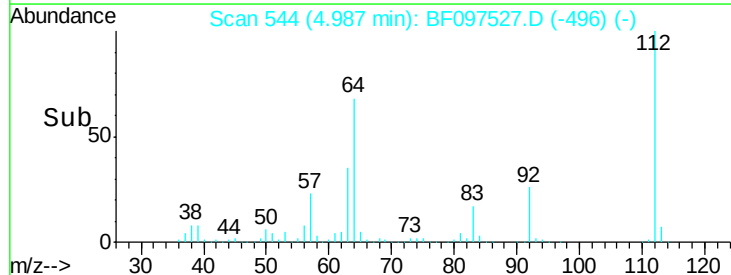
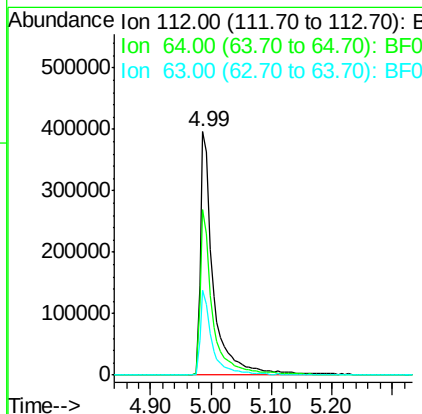
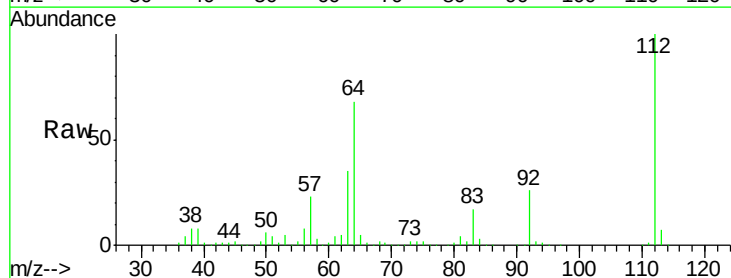
Tot Ion:152 Resp: 107700
Ion Ratio Lower Upper
152 100
150 150.5 126.2 189.2
115 61.5 52.2 78.2

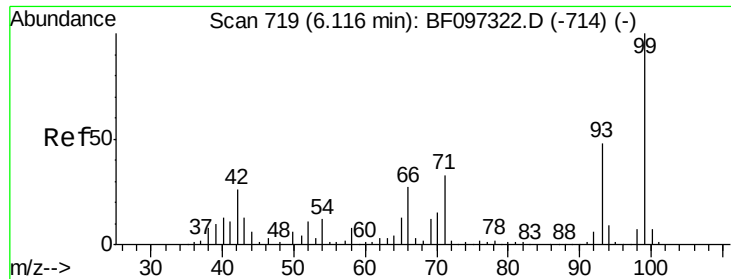


#5

2-Fluorophenol
Concen: 84.19 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097527.D
Acq: 9 Aug 2017 20:38

Tgt Ion:112 Resp: 601474
Ion Ratio Lower Upper
112 100
64 68.2 46.0 69.0
63 34.6 23.4 35.0





#7

Phenol-d6

Concen: 85.71 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

Instrument :

BNA_F

ClientSampleId :

E2-L9-SSW

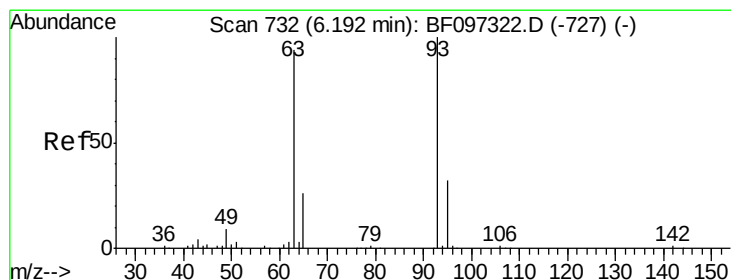
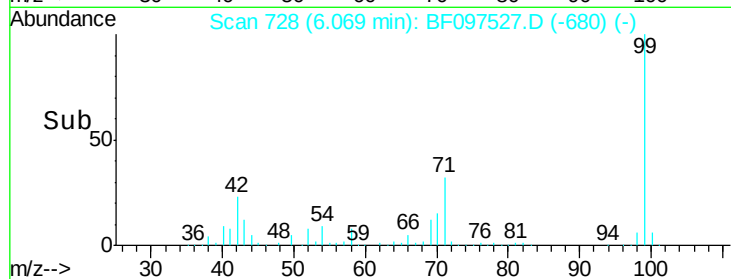
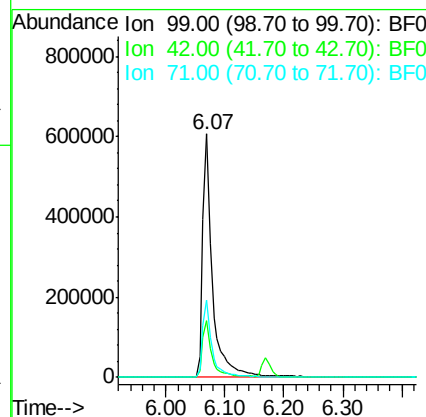
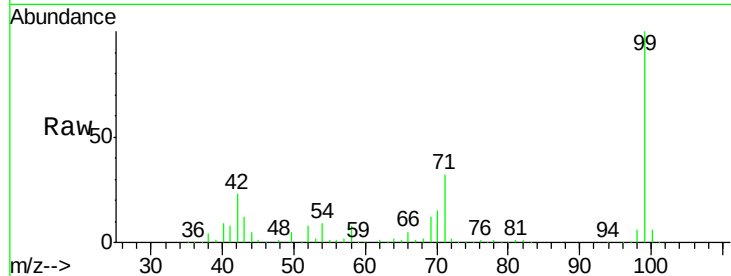
Tot Ion: 99 Resp: 699039

Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

71 31.7 24.5 36.7



#11

bis(2-Chloroethyl)ether

Concen: 2.01 ng

RT: 6.15 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

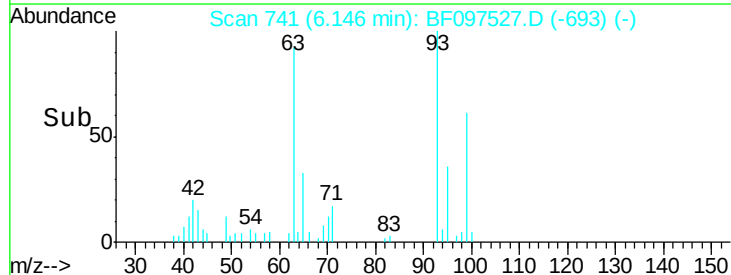
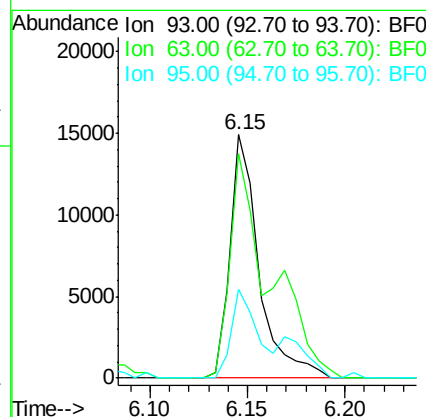
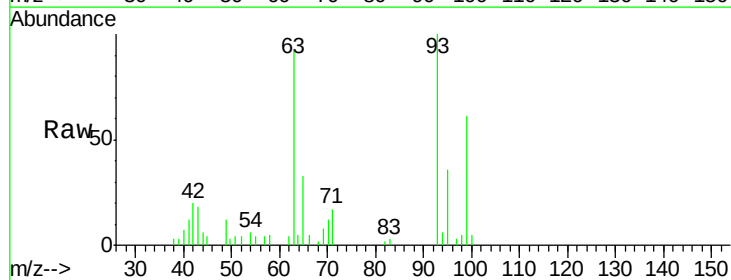
Tgt Ion: 93 Resp: 15358

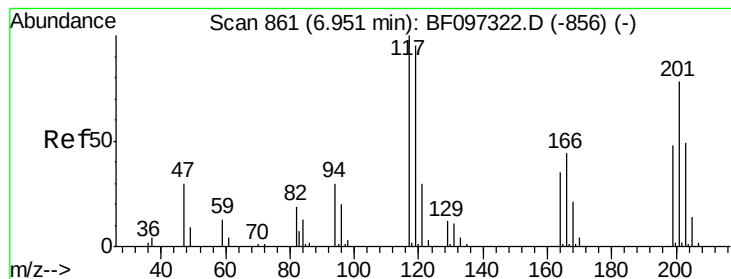
Ion Ratio Lower Upper

93 100

63 92.2 59.2 99.2

95 36.2 12.8 52.8





#18

Hexachloroethane

Concen: 3.50 ng

RT: 6.94 min Scan# 876

Delta R.T. 0.02 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

Instrument :

BNA_F

ClientSampleId :

E2-L9-SSW

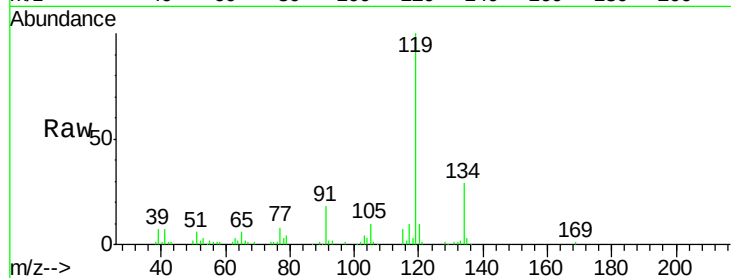
Tot Ion:117 Resp: 10439

Ion Ratio Lower Upper

117 100

119 1049.1 77.4 116.0#

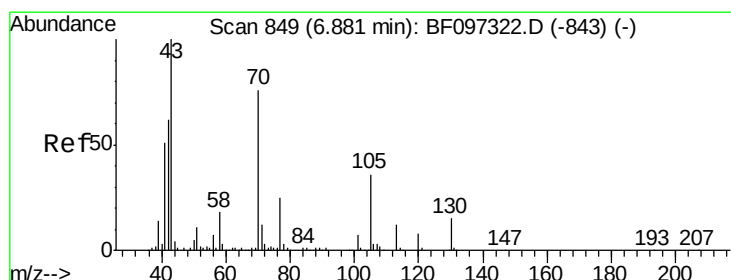
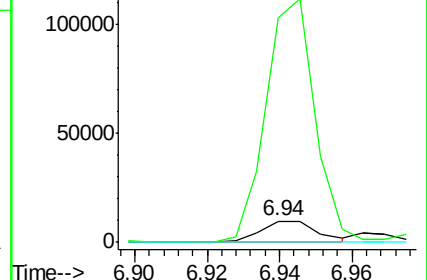
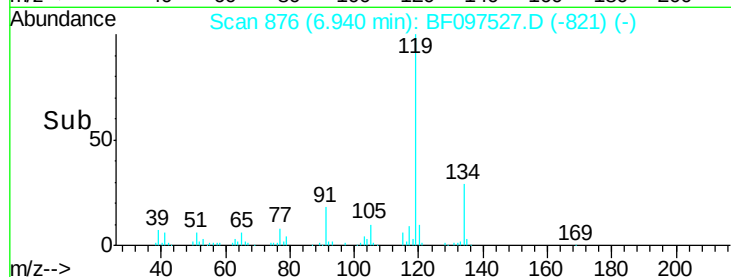
201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 9.91 ng

RT: 6.97 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

Tgt Ion: 70 Resp: 53222

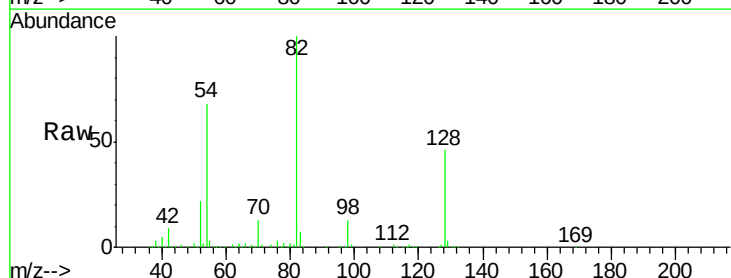
Ion Ratio Lower Upper

70 100

42 65.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.9 15.9 23.9#

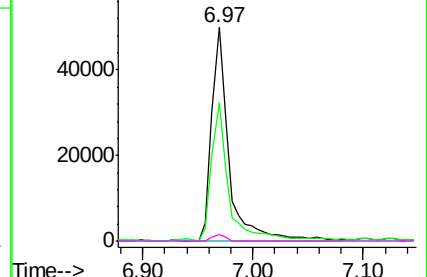
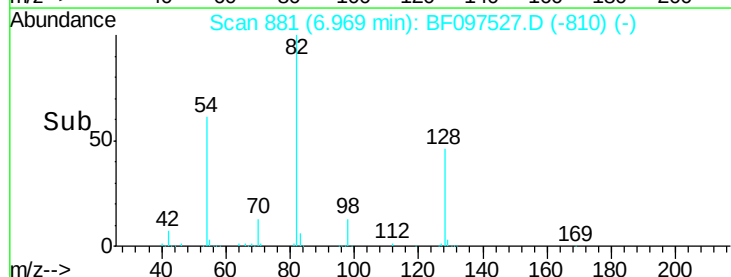


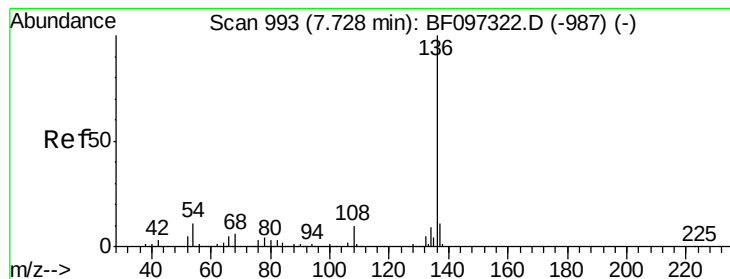
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

Instrument :

BNA_F

ClientSampleId :

E2-L9-SSW

Tot Ion:136 Resp: 438523

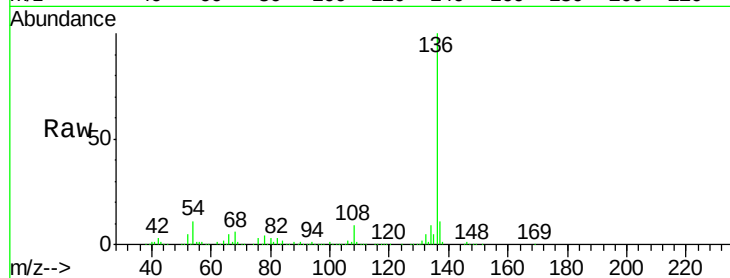
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.6 4.9 7.3#

68 5.6 4.1 6.1

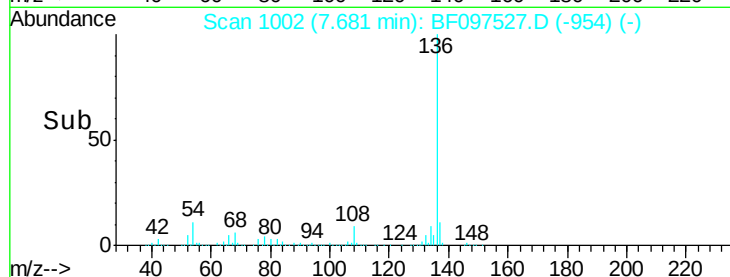


Abundance Ion 136.00 (135.70 to 136.70): E

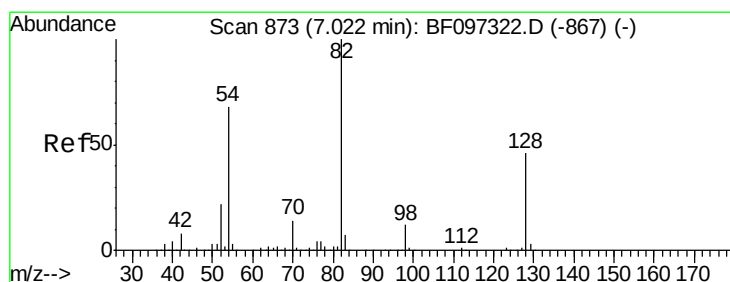
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 52.65 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

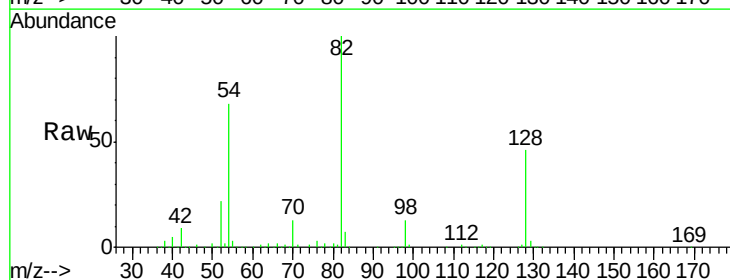
Tgt Ion: 82 Resp: 393530

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

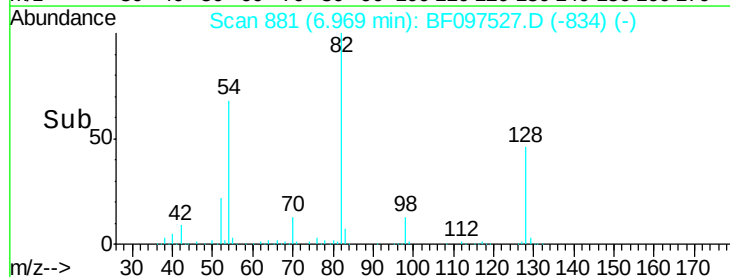
54 67.7 42.2 63.2#



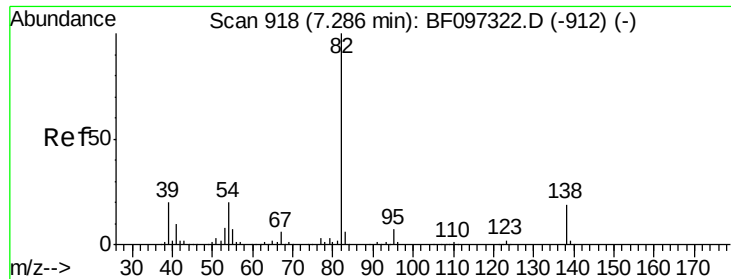
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 26.88 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

Instrument :

BNA_F

ClientSampleId :

E2-L9-SSW

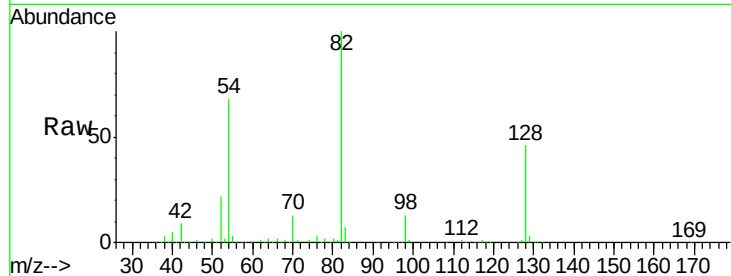
Tot Ion: 82 Resp: 393526

Ion Ratio Lower Upper

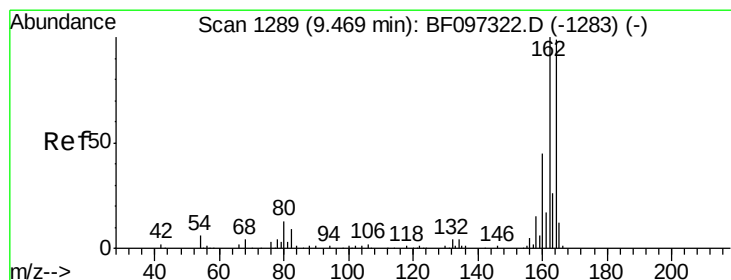
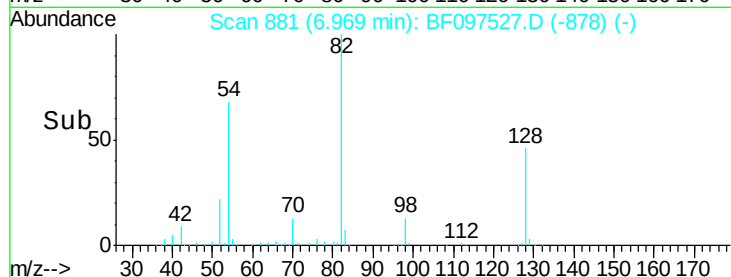
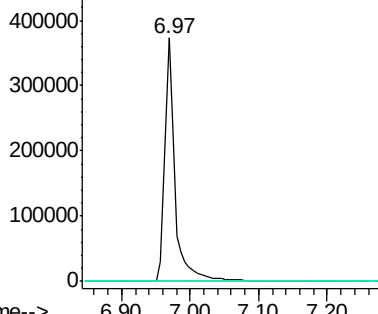
82 100

95 0.1 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: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

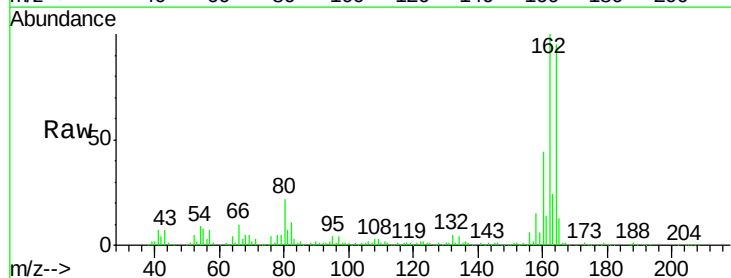
Tgt Ion:164 Resp: 190285

Ion Ratio Lower Upper

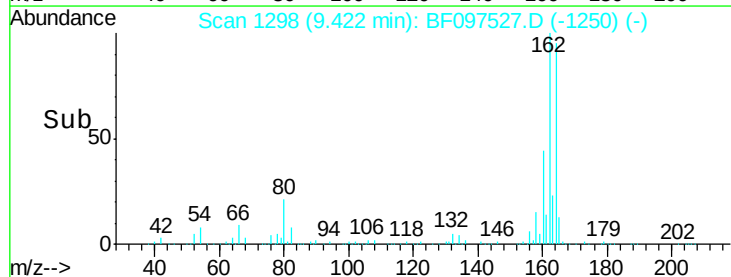
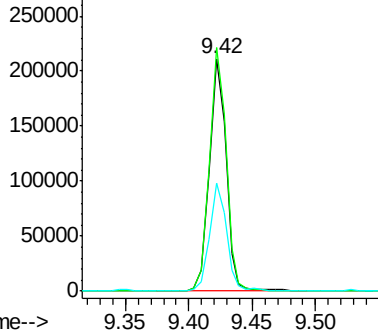
164 100

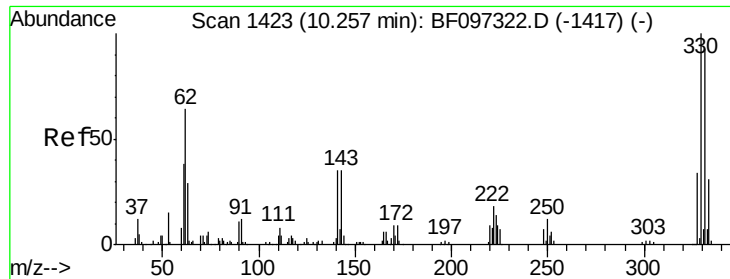
162 104.8 82.6 123.8

160 46.4 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

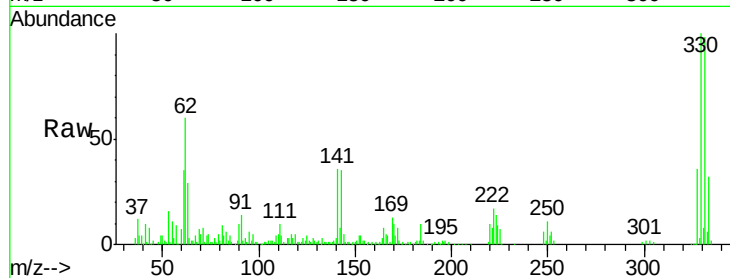




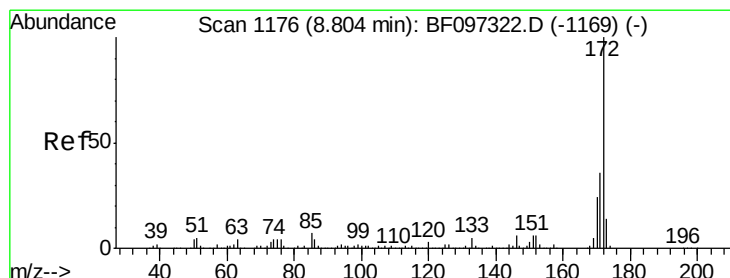
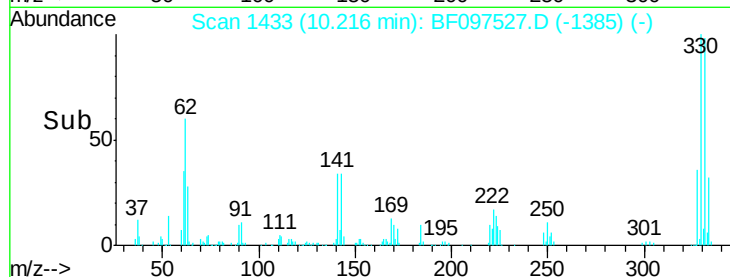
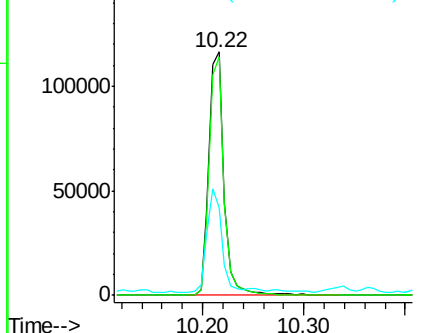
#41
 2,4,6-Tribromophenol
 Concen: 80.45 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF097527.D
 Acq: 9 Aug 2017 20:38

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-SSW

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	40.3	31.4	47.2

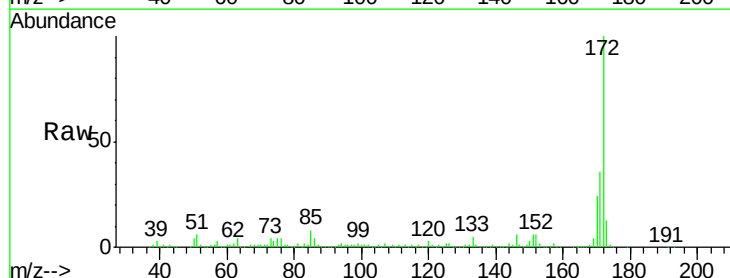


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

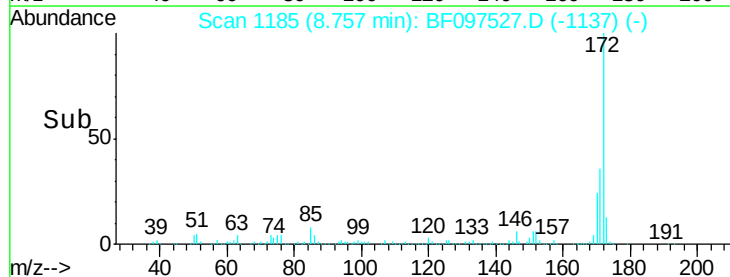
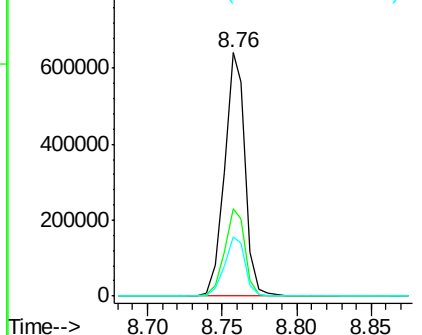


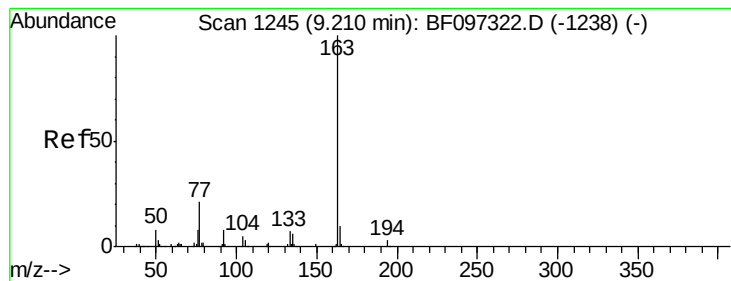
#44
 2-Fluorobiphenyl
 Concen: 55.90 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097527.D
 Acq: 9 Aug 2017 20:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.2	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: 8.91 ng

RT: 9.16 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

Instrument :

BNA_F

ClientSampleId :

E2-L9-SSW

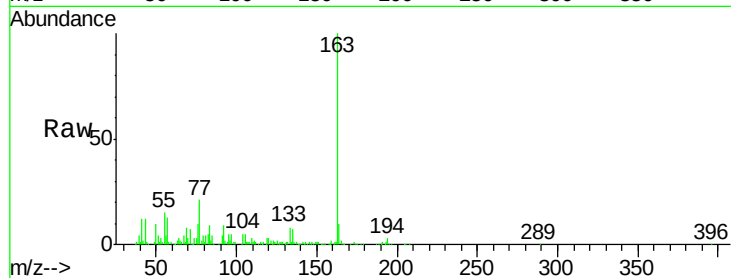
Tot Ion:163 Resp: 128680

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

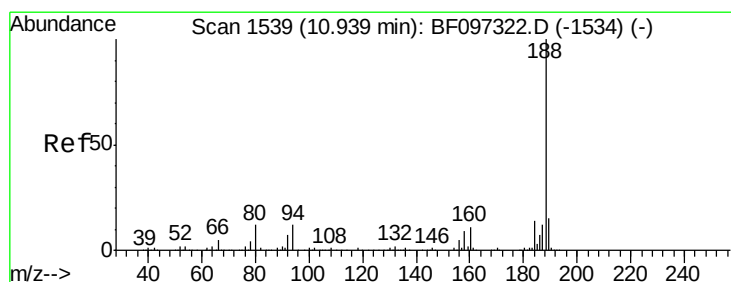
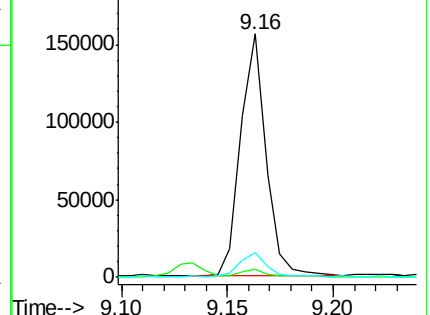
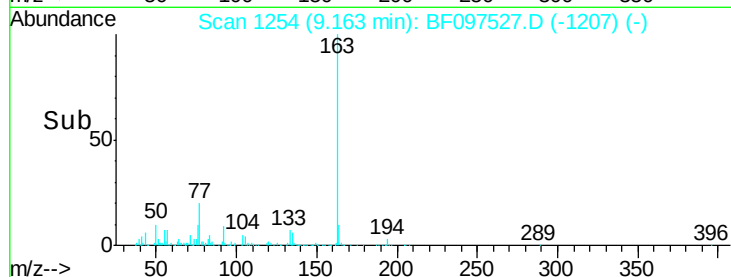
164 10.4 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.90 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

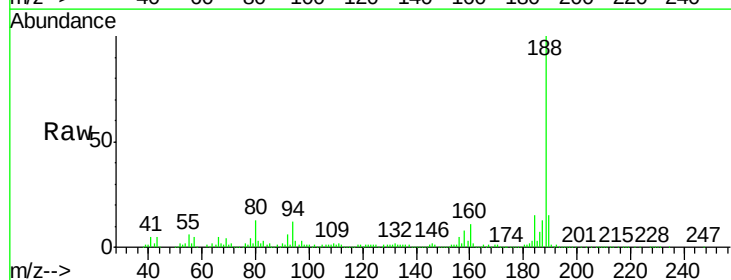
Tgt Ion:188 Resp: 295871

Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.2

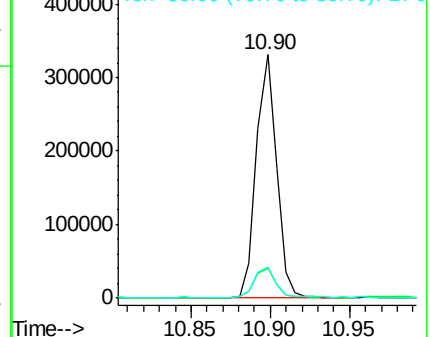
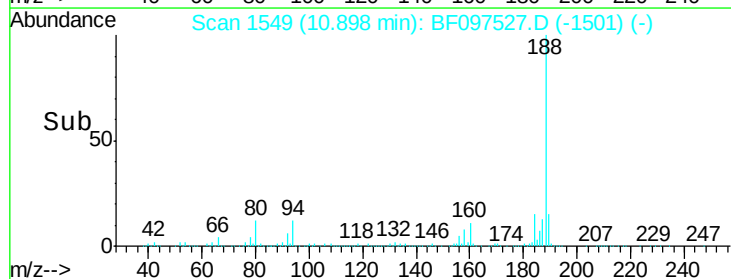
80 12.8 10.2 15.2

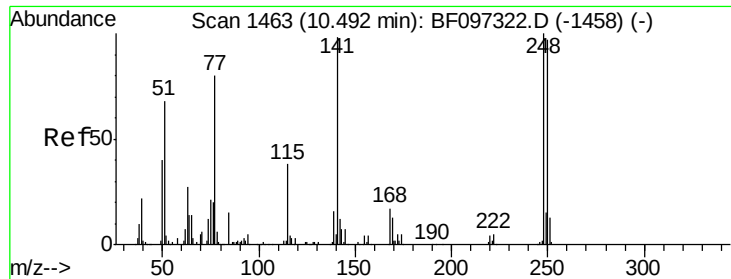


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

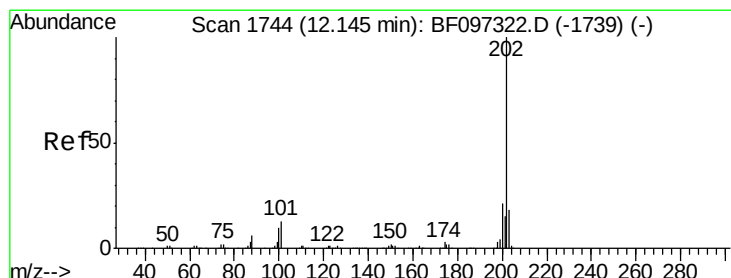
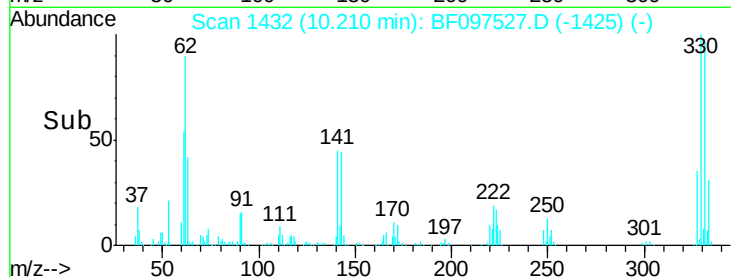
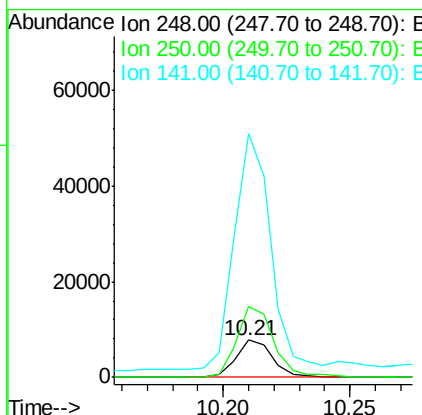
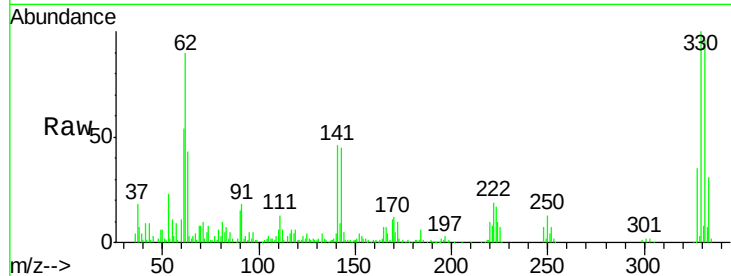




#66
 4-Bromophenyl-phenylether
 Concen: 2.64 ng
 RT: 10.21 min Scan# 1432
 Delta R.T. -0.26 min
 Lab File: BF097527.D
 Acq: 9 Aug 2017 20:38

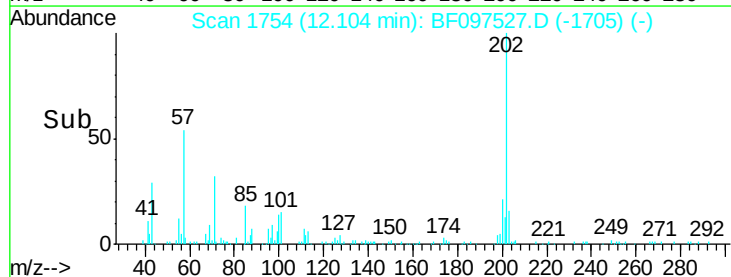
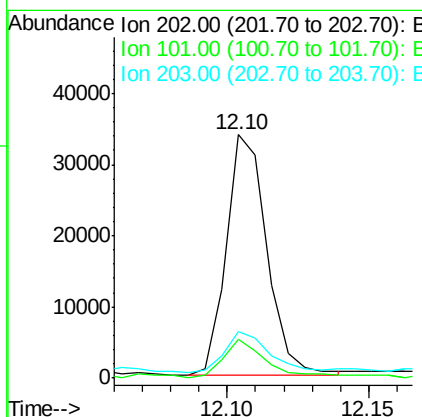
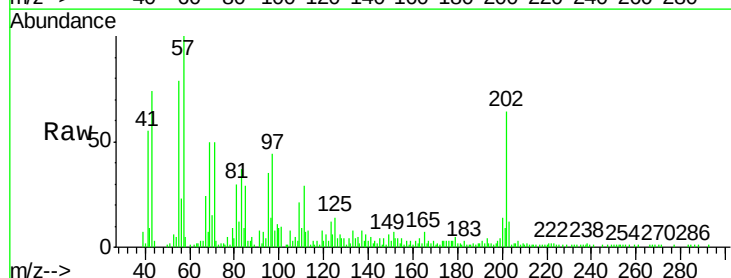
Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-SSW

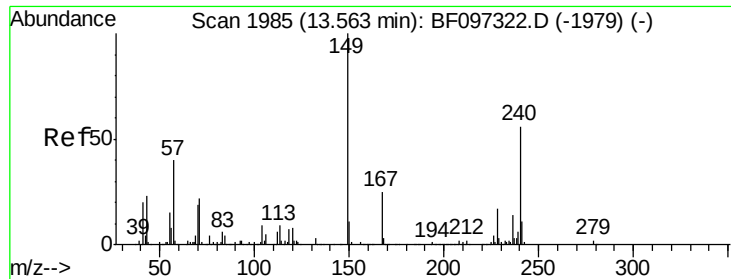
Tot Ion:248 Resp: 7791
 Ion Ratio Lower Upper
 248 100
 250 187.6 76.8 115.2#
 141 649.9 68.6 103.0#



#74
 Fluoranthene
 Concen: 2.16 ng
 RT: 12.10 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF097527.D
 Acq: 9 Aug 2017 20:38

Tgt Ion:202 Resp: 33534
 Ion Ratio Lower Upper
 202 100
 101 16.1 0.0 33.2
 203 19.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.53 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

Instrument :

BNA_F

ClientSampleId :

E2-L9-SSW

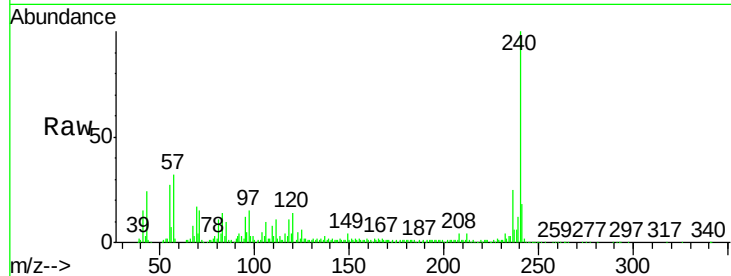
Tot Ion:240 Resp: 171122

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

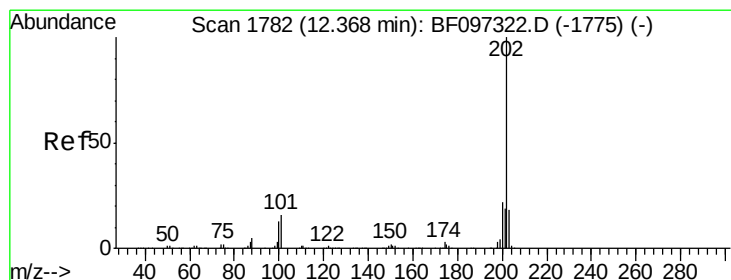
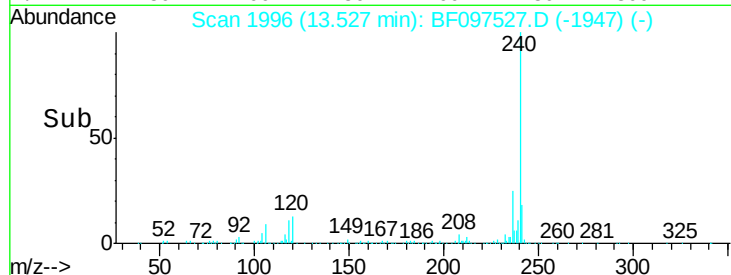
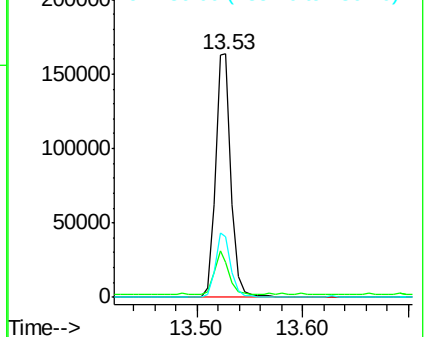
236 25.0 20.5 30.7



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



#77

Pyrene

Concen: 2.39 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.24 min

Lab File: BF097527.D

Acq: 9 Aug 2017 20:38

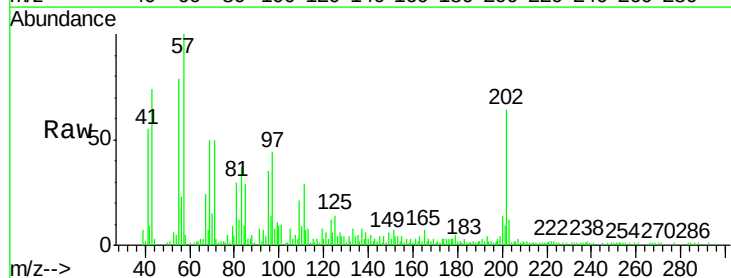
Tgt Ion:202 Resp: 33422

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

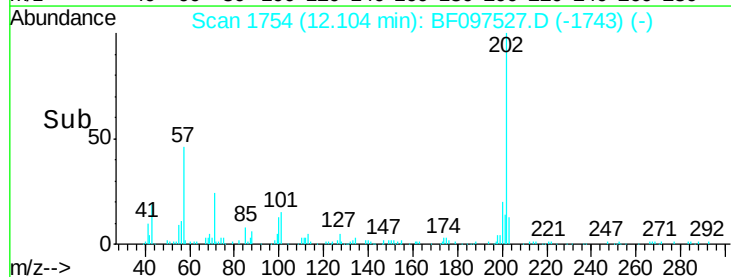
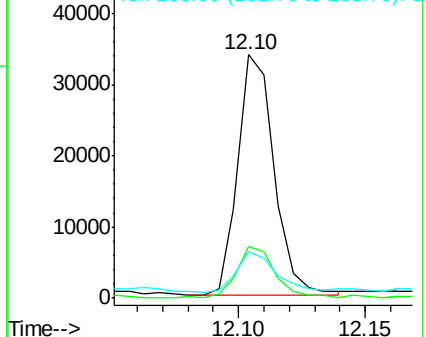
203 19.3 14.4 21.6

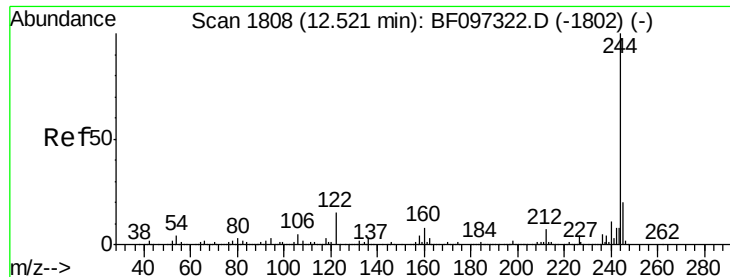


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

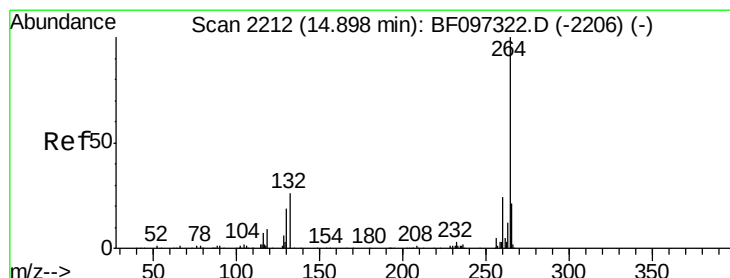
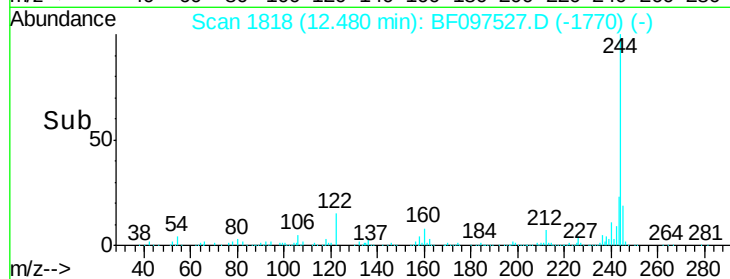
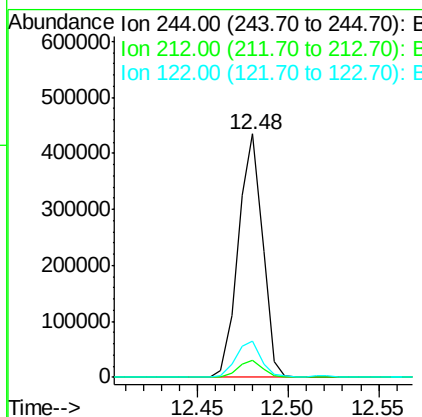
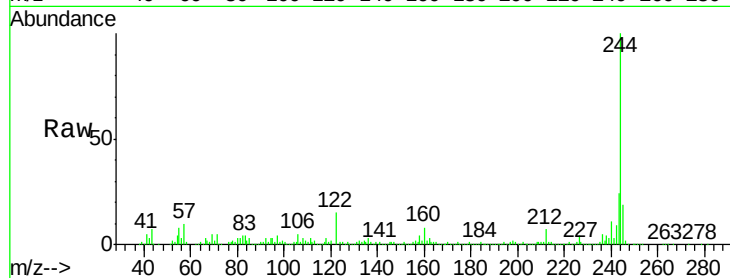




#78
 Terphenyl-d14
 Concen: 47.99 ng
 RT: 12.48 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF097527.D
 Acq: 9 Aug 2017 20:38

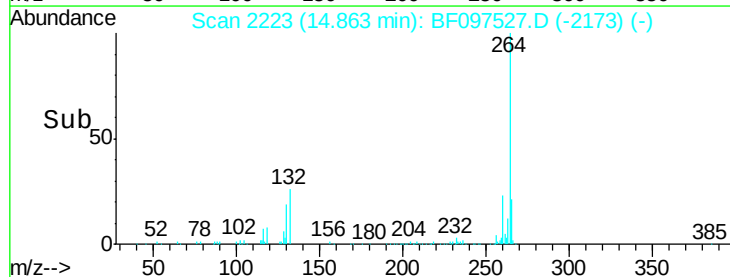
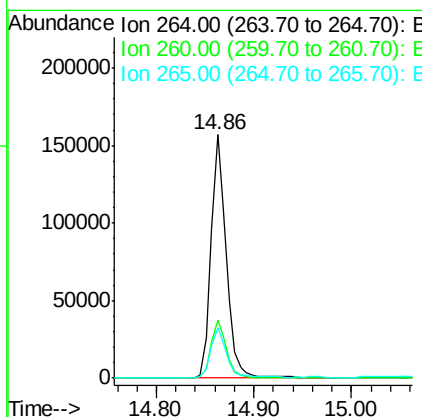
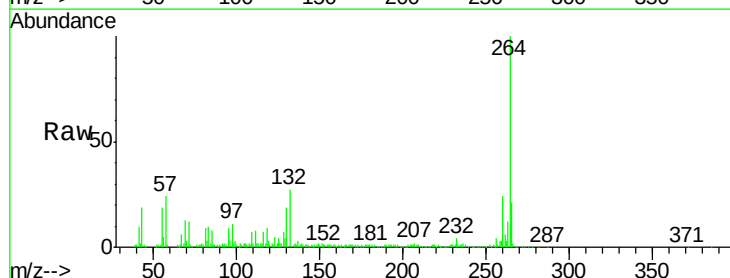
Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-SSW

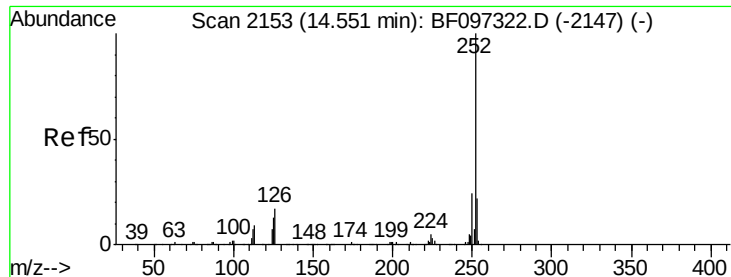
Tot Ion:244 Resp: 402778
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.9 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.86 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097527.D
 Acq: 9 Aug 2017 20:38

Tgt Ion:264 Resp: 169946
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 20.9 17.2 25.8

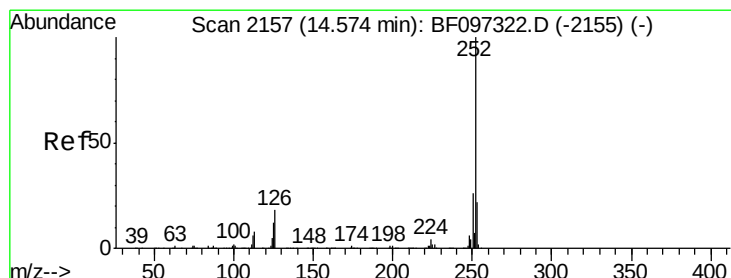
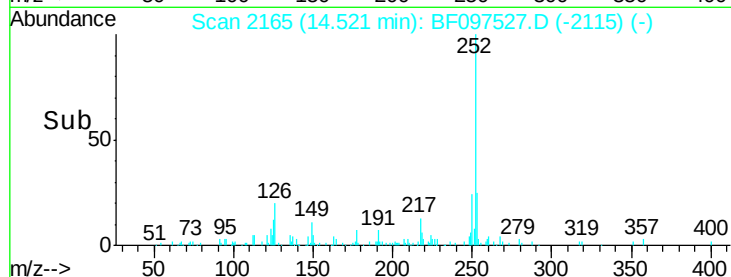
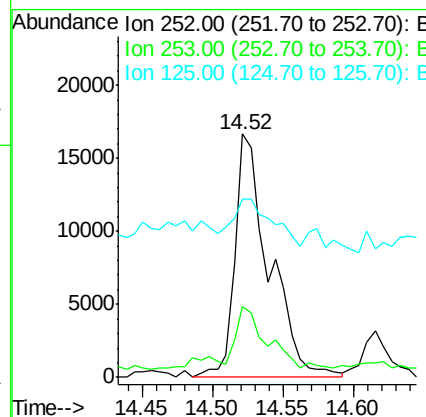
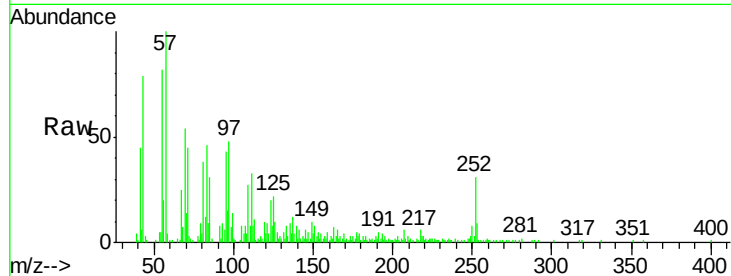




#87
Benzo(b)fluoranthene
Concen: 2.79 ng
RT: 14.52 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF097527.D
Acq: 9 Aug 2017 20:38

Instrument :
BNA_F
ClientSampleId :
E2-L9-SSW

Tot Ion:252 Resp: 28484
Ion Ratio Lower Upper
252 100
253 29.1 18.1 27.1#
125 73.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.93 ng
RT: 14.52 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF097527.D
Acq: 9 Aug 2017 20:38

Tgt Ion:252 Resp: 28484
Ion Ratio Lower Upper
252 100
253 29.1 18.4 27.6#
125 73.1 13.1 19.7#

