

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097533.D
 Acq On : 9 Aug 2017 23:24
 Operator : SJ/JU
 Sample : I4658-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-ESW

Quant Time: Aug 10 01:10:24 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

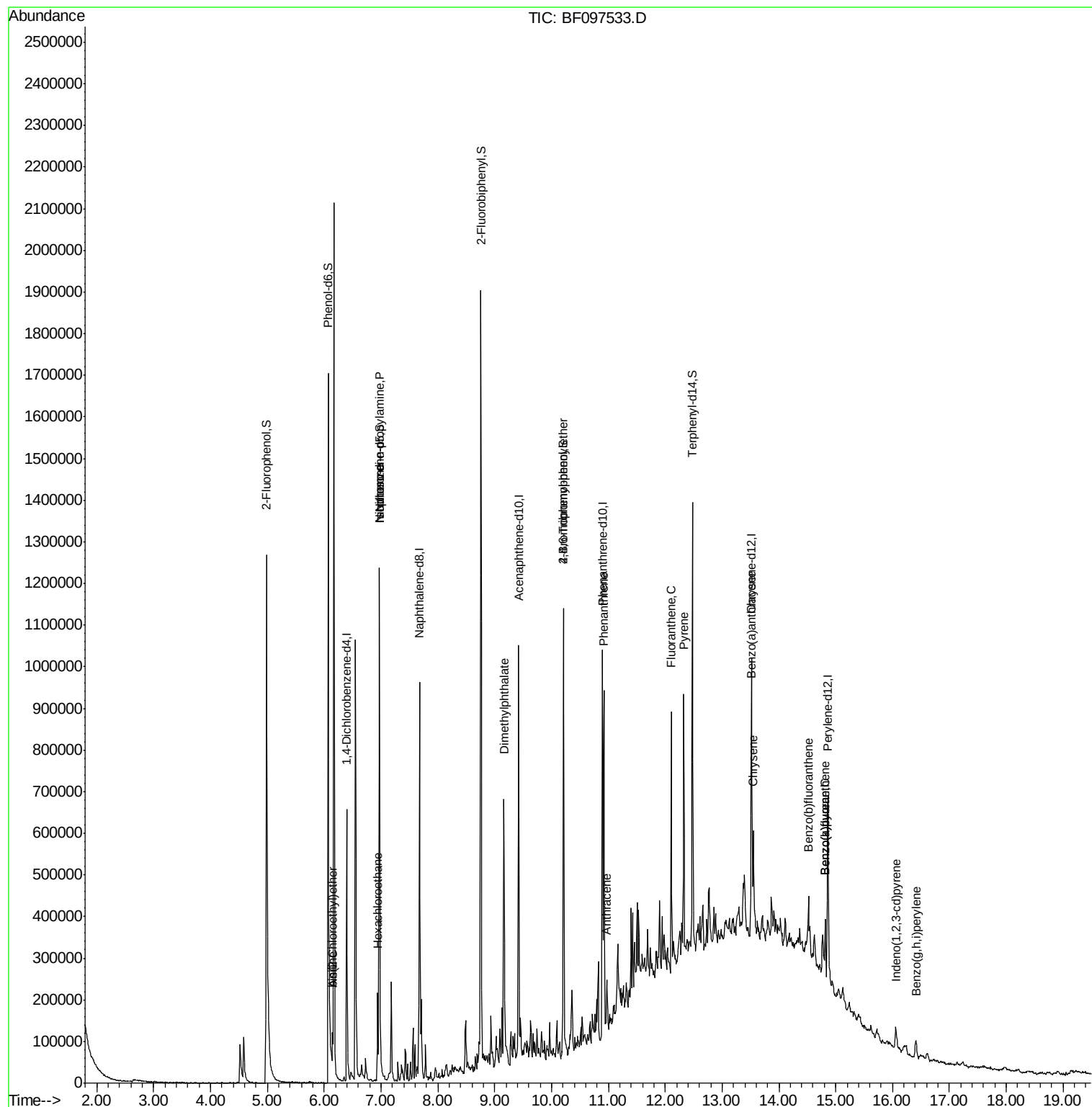
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	112576	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	449557	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	199447	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	327609	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	198173	20.00	ng	-0.02
86) Perylene-d12	14.86	264	188904	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	548268	73.42	ng	-0.02
7) Phenol-d6	6.07	99	677687	79.49	ng	-0.02
23) Nitrobenzene-d5	6.97	82	389705	50.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	118846	75.42	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	553208	47.07	ng	-0.02
78) Terphenyl-d14	12.48	244	351845	36.20	ng	-0.02
Target Compounds						
6) Aniline	6.15	93	28657	2.67	ng	Qvalue # 52
11) bis(2-Chloroethyl)ether	6.15	93	28657	3.58	ng	90
18) Hexachloroethane	6.94	117	7827	2.51	ng	# 1
19) n-Nitroso-di-n-propylamine	6.97	70	52517	9.36	ng	# 87
25) Isophorone	6.97	82	389703	25.97	ng	# 67
49) Dimethylphthalate	9.16	163	243769	16.09	ng	98
66) 4-Bromophenyl-phenylether	10.21	248	7489	2.29	ng	# 1
70) Phenanthrene	10.92	178	302273	17.22	ng	99
71) Anthracene	10.97	178	38036	2.12	ng	98
74) Fluoranthene	12.10	202	224380	13.05	ng	99
77) Pyrene	12.33	202	255664	15.76	ng	100
80) Benzo(a)anthracene	13.51	228	75895	5.92	ng	99
82) Chrysene	13.55	228	77270	6.17	ng	98
85) Indeno(1,2,3-cd)pyrene	16.06	276	29644	2.76	ng	97
87) Benzo(b)fluoranthene	14.52	252	83760	7.38	ng	# 89
88) Benzo(k)fluoranthene	14.82	252	44561	4.12	ng	96
89) Benzo(a)pyrene	14.82	252	51262	4.93	ng	# 94
91) Benzo(g,h,i)perylene	16.41	276	29231	3.27	ng	93

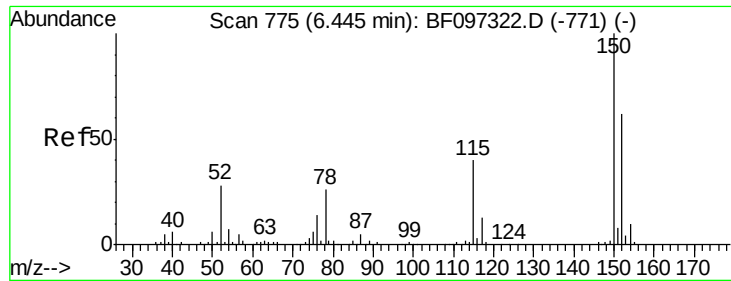
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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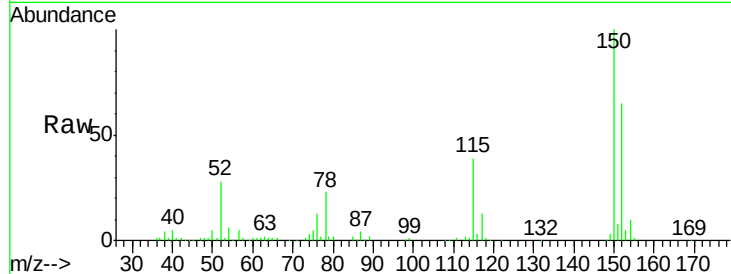


#1

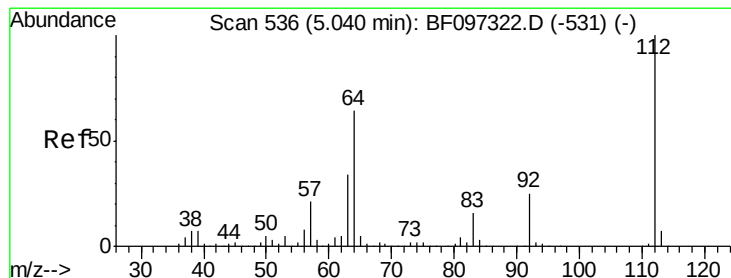
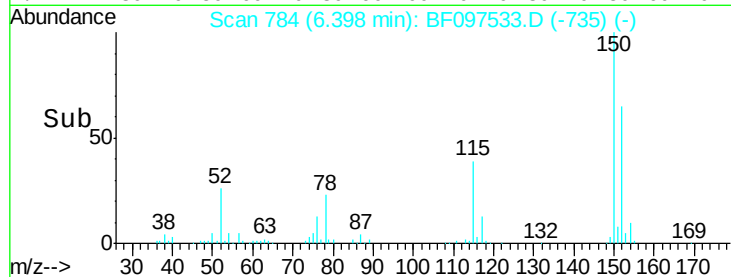
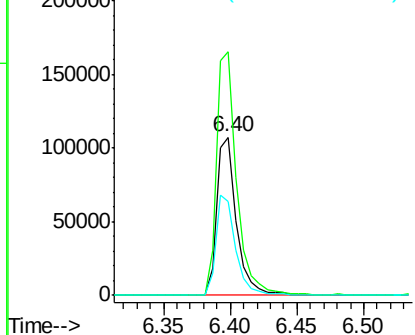
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

Tot Ion:152 Resp: 112576
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.2
115 59.7 52.2 78.2



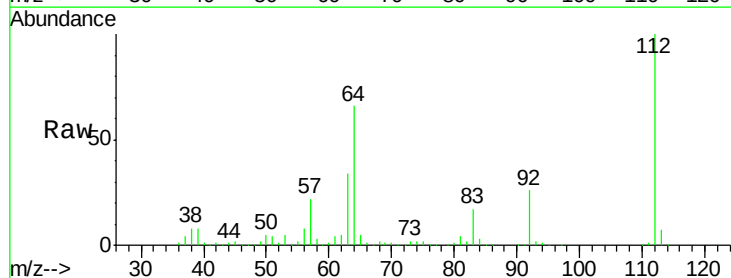
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



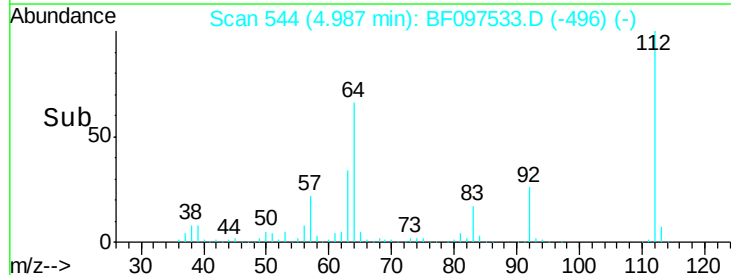
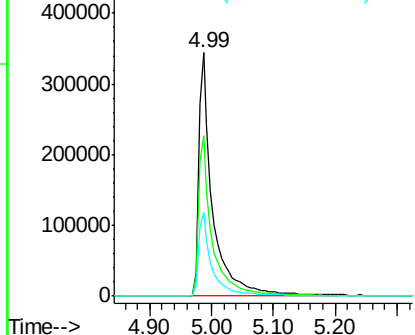
#5

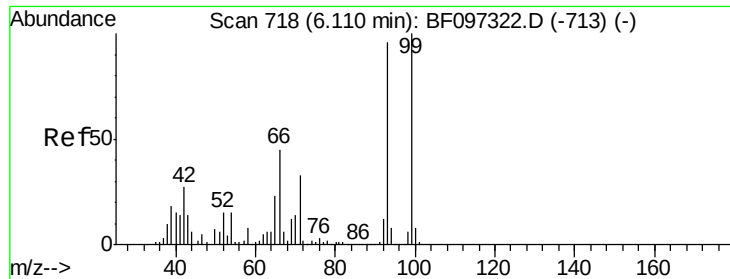
2-Fluorophenol
Concen: 73.42 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion:112 Resp: 548268
Ion Ratio Lower Upper
112 100
64 66.1 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





#6

Aniline

Concen: 2.67 ng

RT: 6.15 min Scan# 741

Delta R.T. 0.07 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-L9-ESW

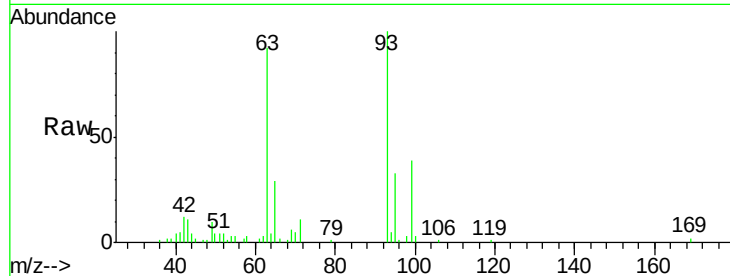
Tot Ion: 93 Resp: 28657

Ion Ratio Lower Upper

93 100

66 2.5 32.9 49.3#

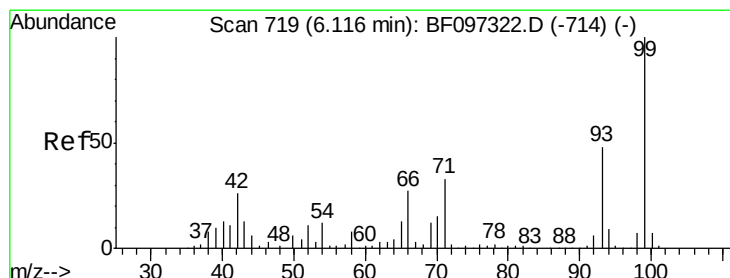
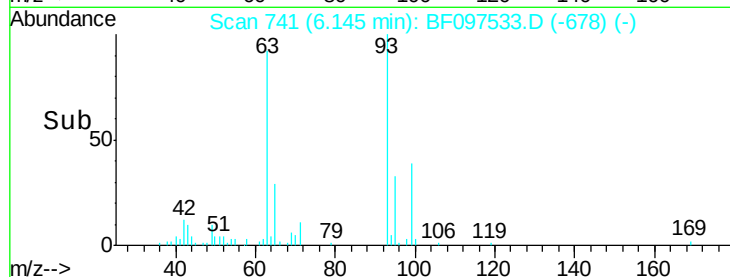
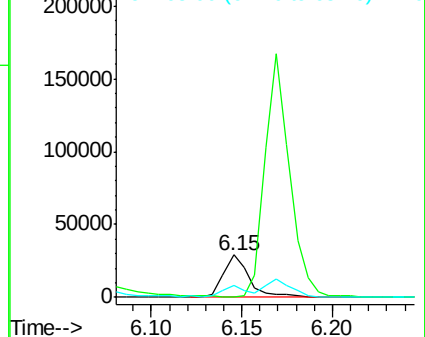
65 28.8 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 79.49 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

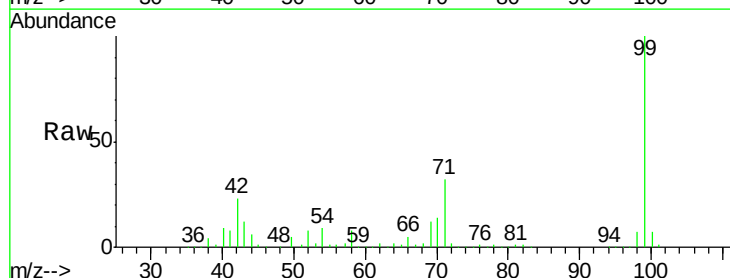
Tgt Ion: 99 Resp: 677687

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

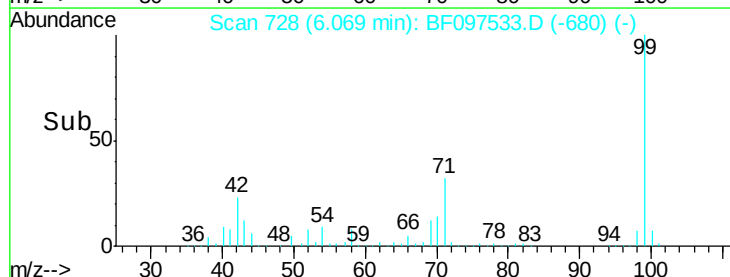
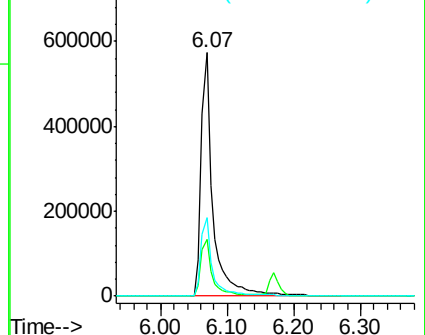
71 32.4 24.5 36.7

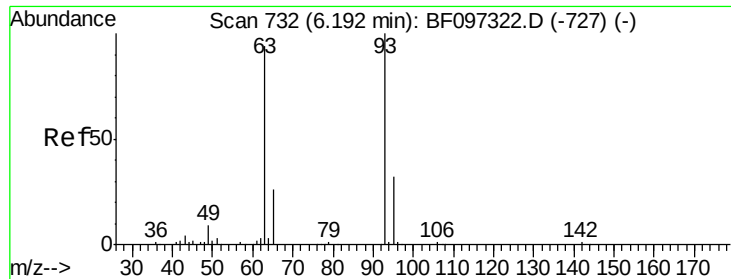


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 3.58 ng

RT: 6.15 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-L9-ESW

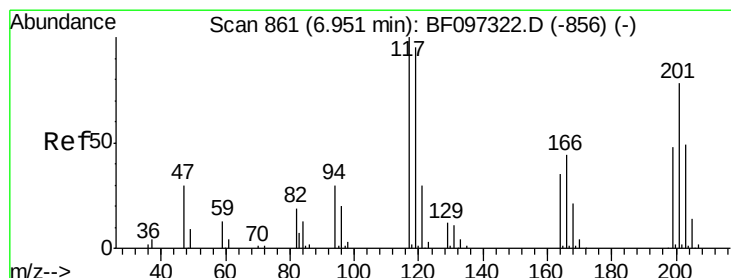
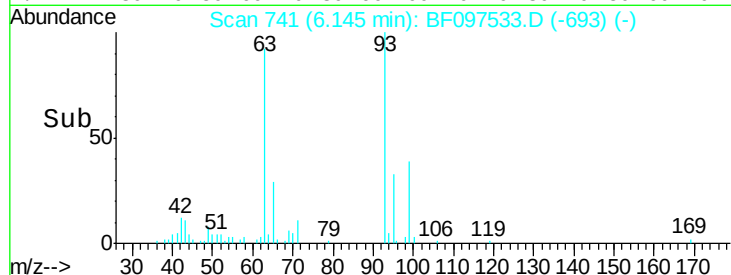
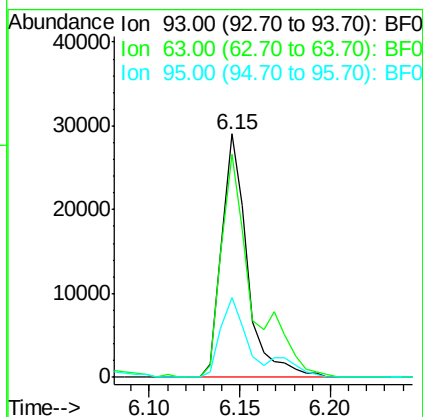
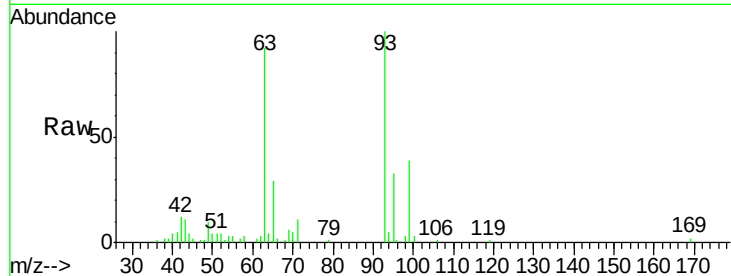
Tot Ion: 93 Resp: 28657

Ion Ratio Lower Upper

93 100

63 91.5 59.2 99.2

95 32.6 12.8 52.8



#18

Hexachloroethane

Concen: 2.51 ng

RT: 6.94 min Scan# 876

Delta R.T. 0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

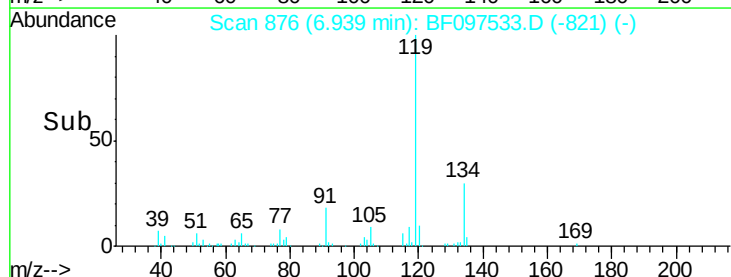
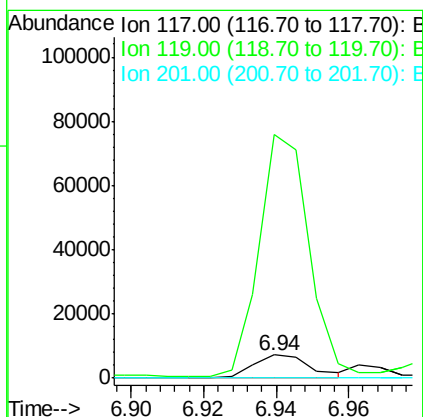
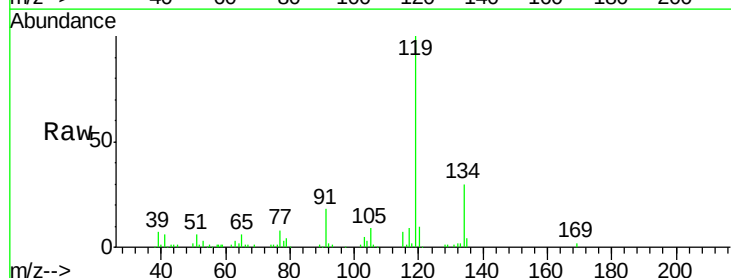
Tgt Ion: 117 Resp: 7827

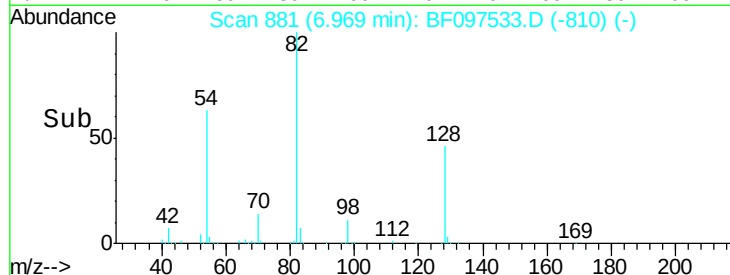
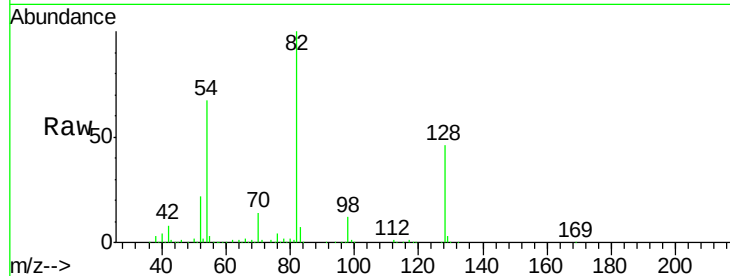
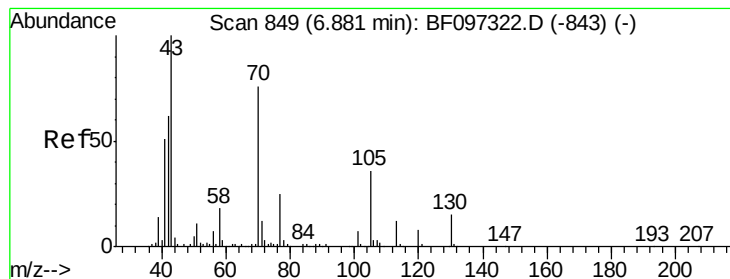
Ion Ratio Lower Upper

117 100

119 1062.0 77.4 116.0#

201 0.0 94.6 141.8#





#19

n-Nitroso-di-n-propylamine

Concen: 9.36 ng

RT: 6.97 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-L9-ESW

Tot Ion: 70 Resp: 52517

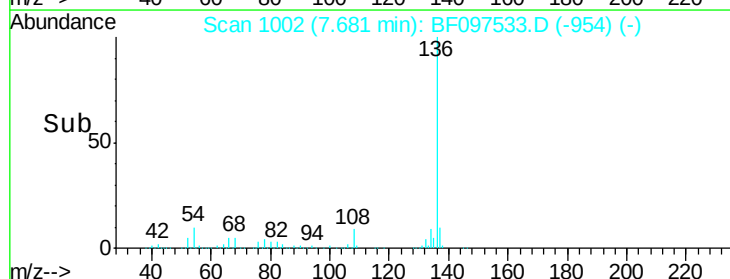
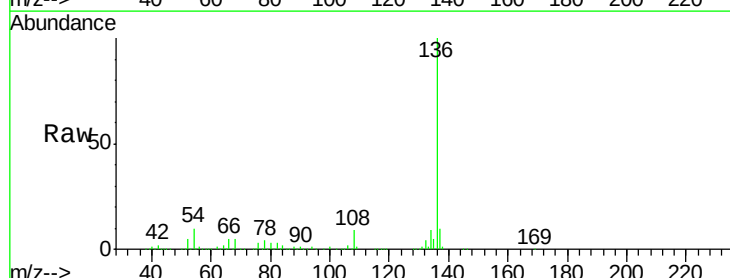
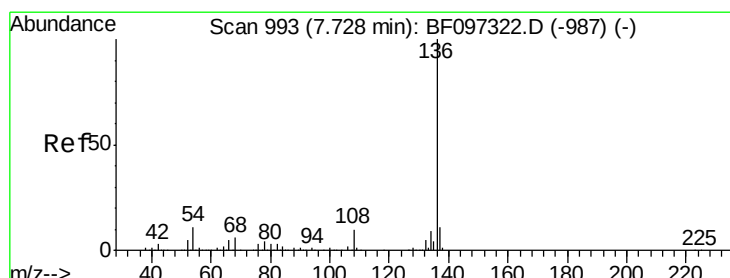
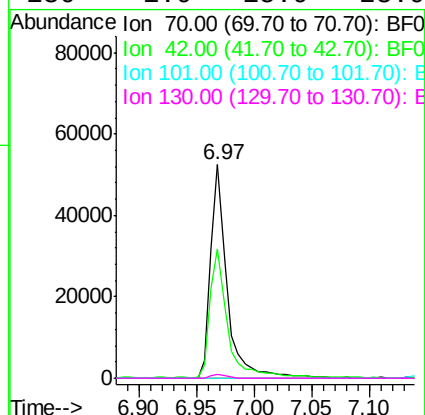
Ion Ratio Lower Upper

70 100

42 60.8 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Tgt Ion: 136 Resp: 449557

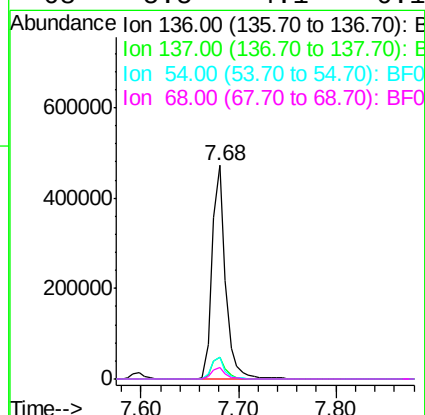
Ion Ratio Lower Upper

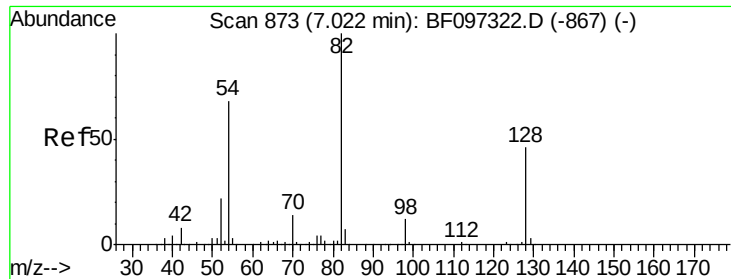
136 100

137 10.2 8.5 12.7

54 10.1 4.9 7.3#

68 5.5 4.1 6.1

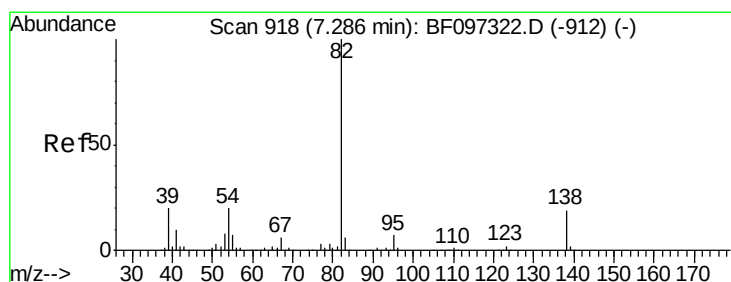
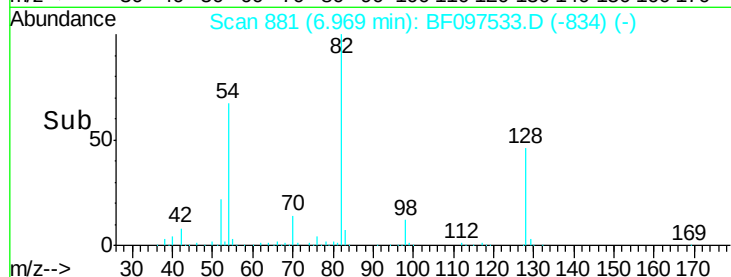
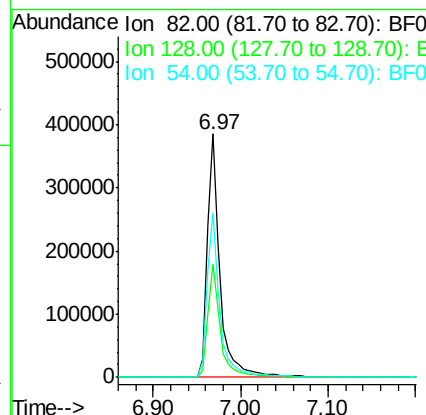
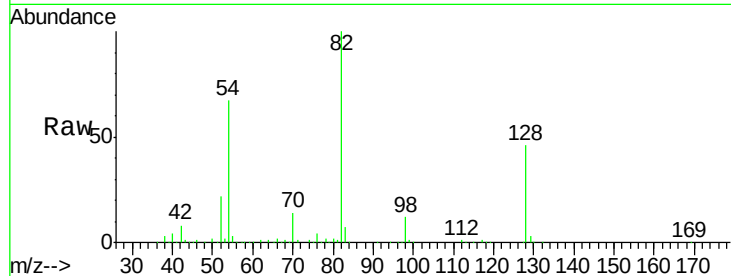




#23
 Nitrobenzene-d5
 Concen: 50.85 ng
 RT: 6.97 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF097533.D
 Acq: 9 Aug 2017 23:24

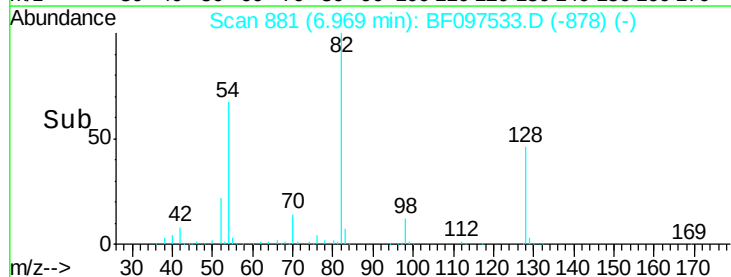
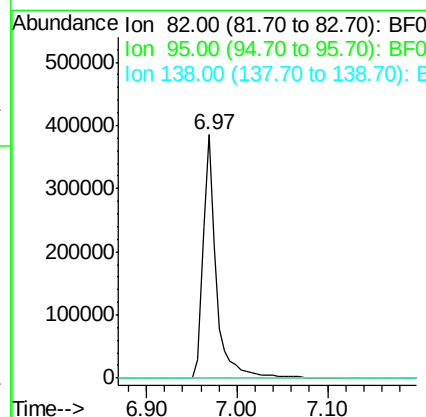
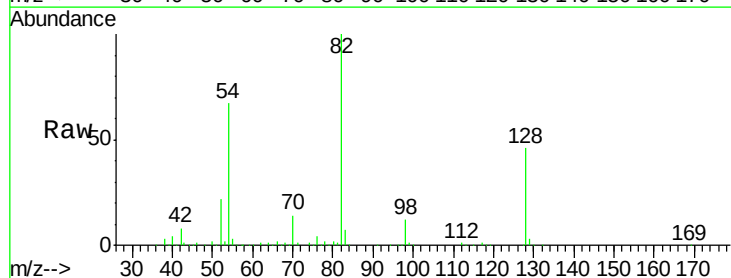
Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-ESW

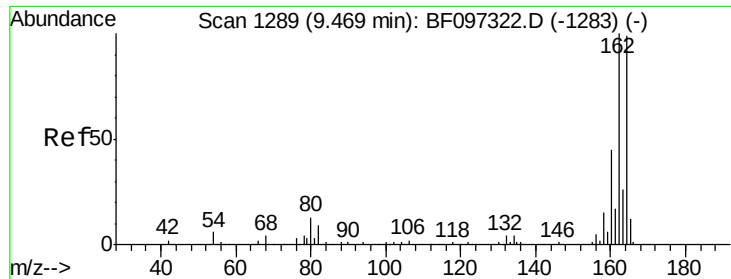
Tot Ion	82	Resp	389705
Ion Ratio	Lower	Upper	
82	100		
128	46.3	34.0	51.0
54	67.3	42.2	63.2#



#25
 Isophorone
 Concen: 25.97 ng
 RT: 6.97 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF097533.D
 Acq: 9 Aug 2017 23:24

Tgt Ion	82	Resp	389703
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-L9-ESW

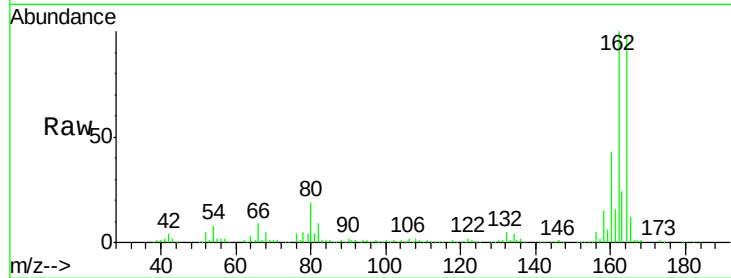
Tot Ion:164 Resp: 199447

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

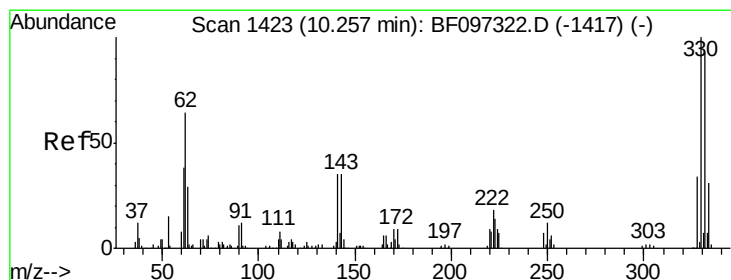
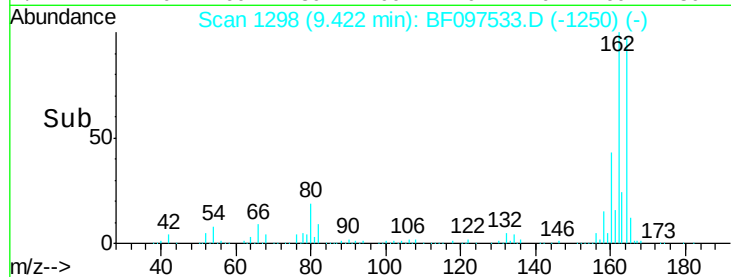
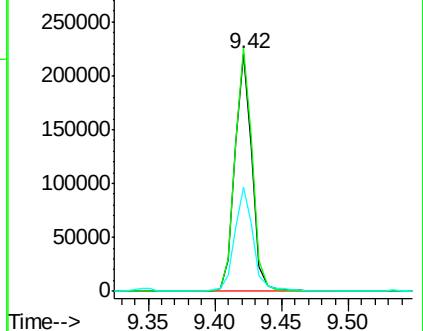
160 43.7 36.2 54.2



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: 75.42 ng

RT: 10.21 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

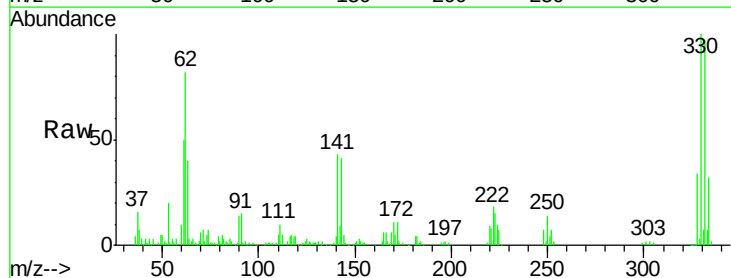
Tgt Ion:330 Resp: 118846

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

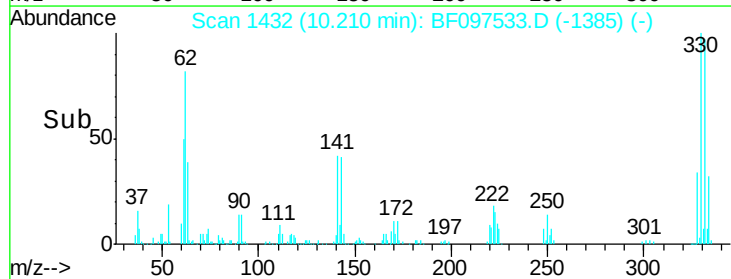
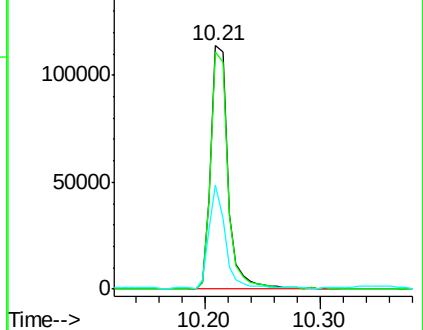
141 41.7 31.4 47.2

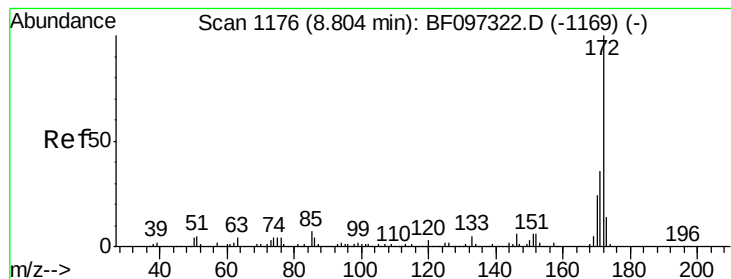


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

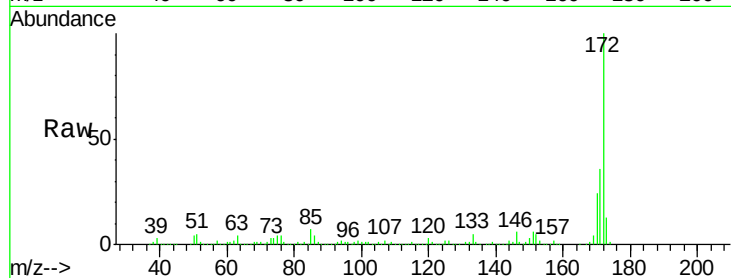




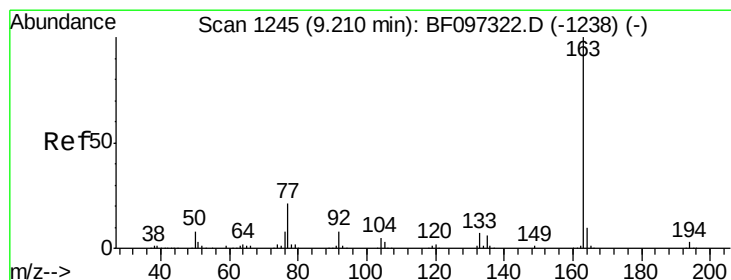
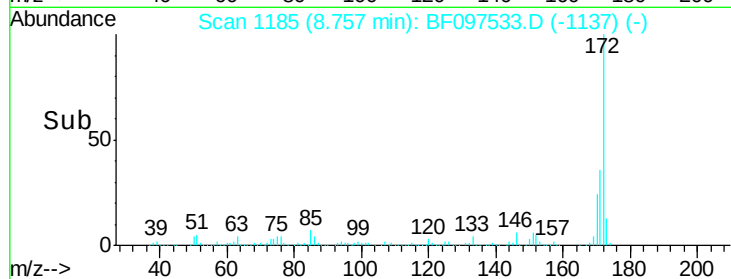
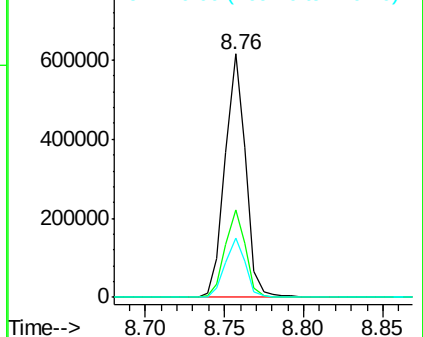
#44
2-Fluorobiphenyl
Concen: 47.07 ng
RT: 8.76 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.1	19.8	29.8

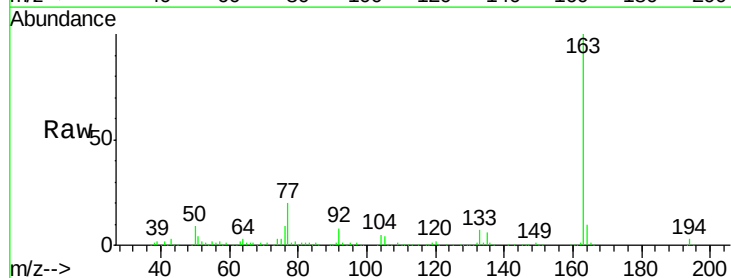


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

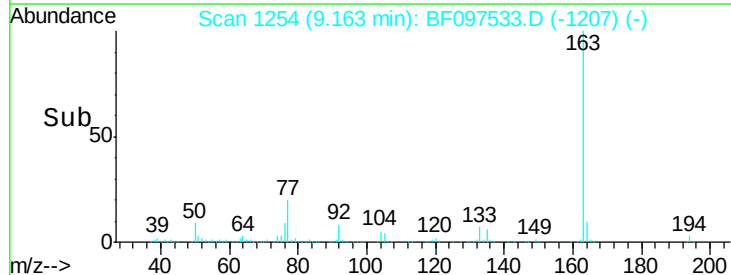
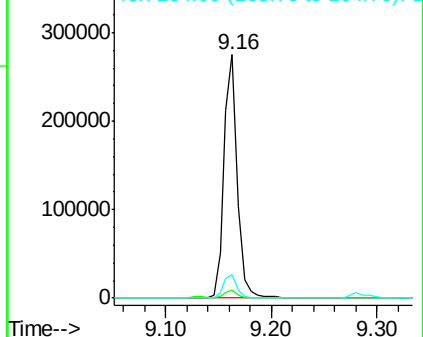


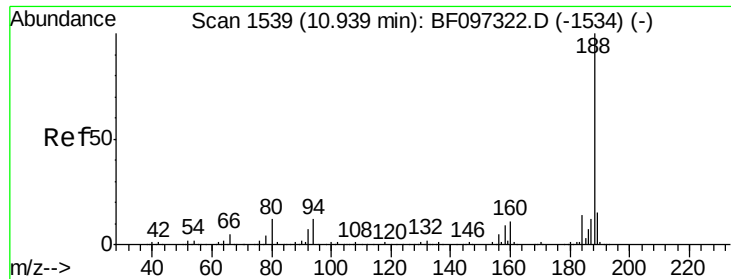
#49
Dimethylphthalate
Concen: 16.09 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.8	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

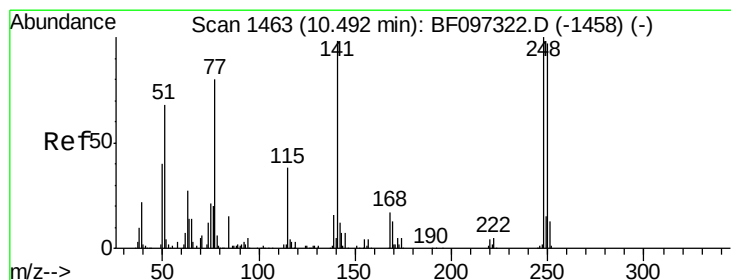
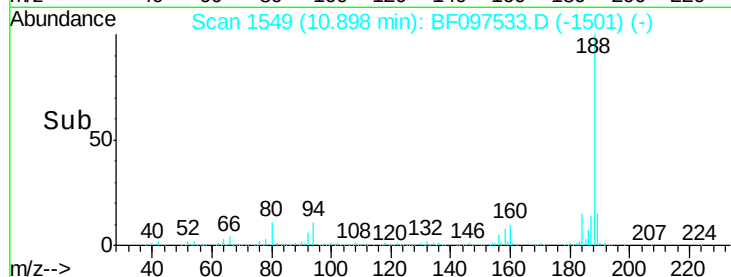
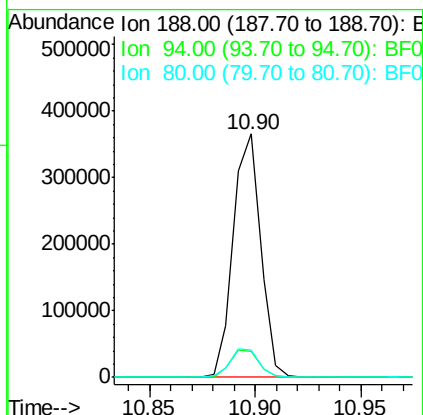
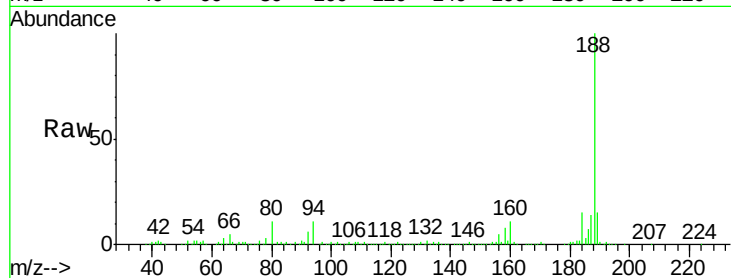




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.90 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

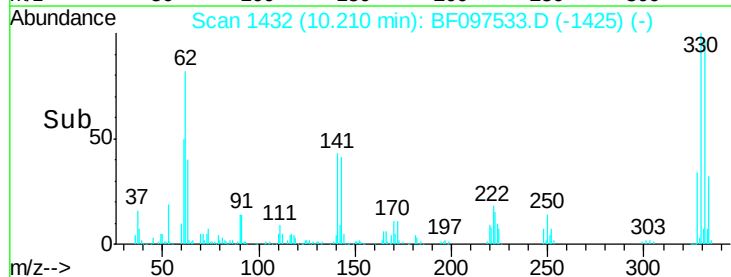
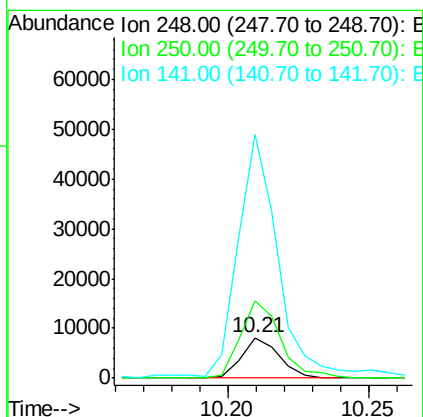
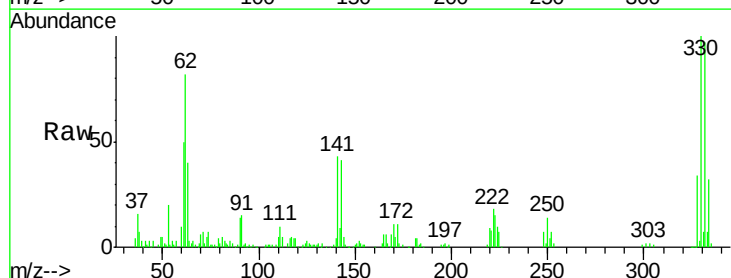
Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

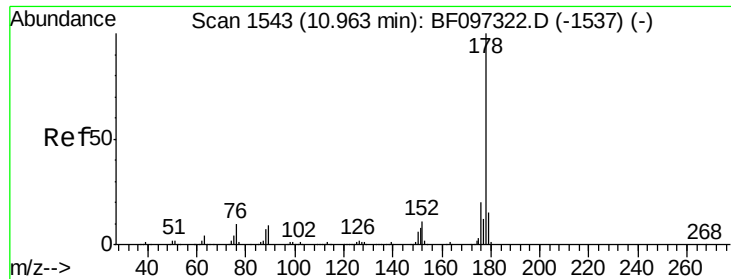
Tot Ion:188 Resp: 327609
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.4 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 2.29 ng
RT: 10.21 min Scan# 1432
Delta R.T. -0.26 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion:248 Resp: 7489
Ion Ratio Lower Upper
248 100
250 191.5 76.8 115.2#
141 599.4 68.6 103.0#

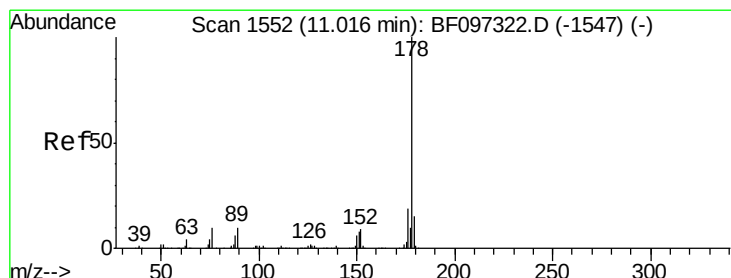
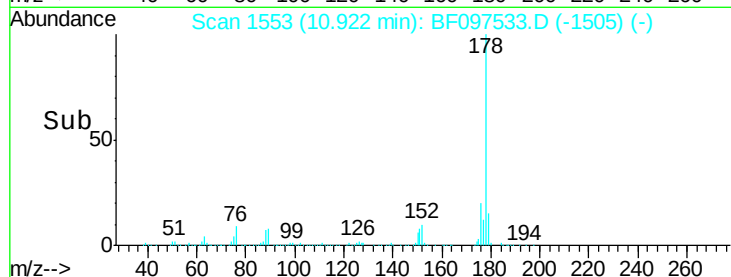
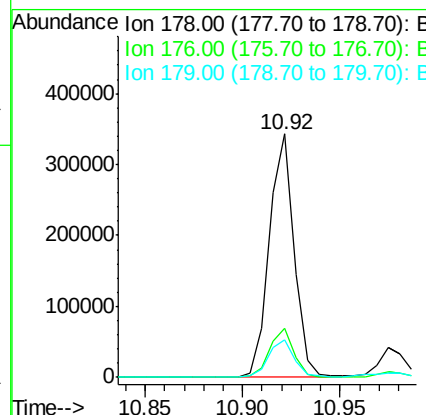
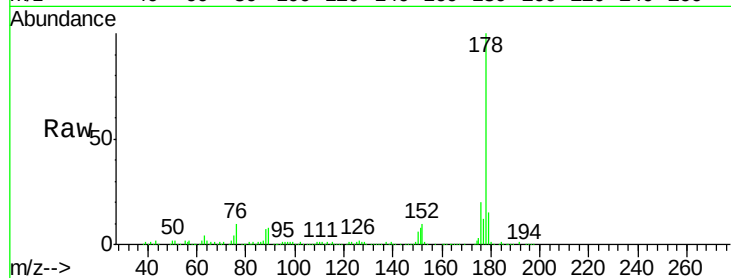




#70
Phenanthrene
Concen: 17.22 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

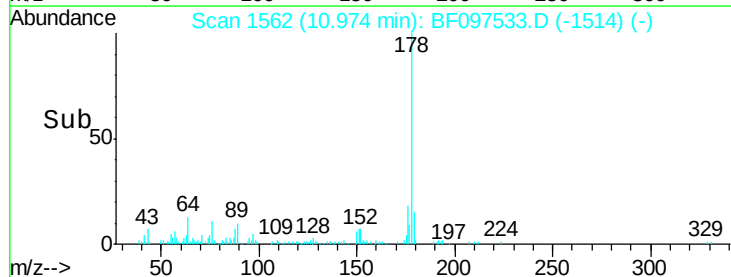
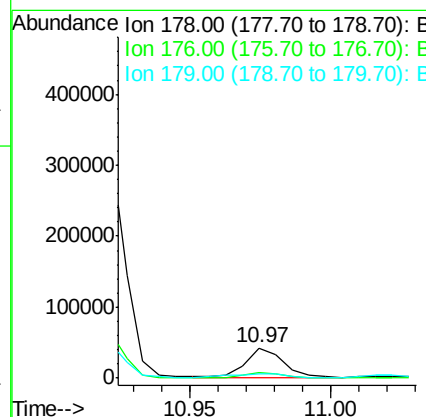
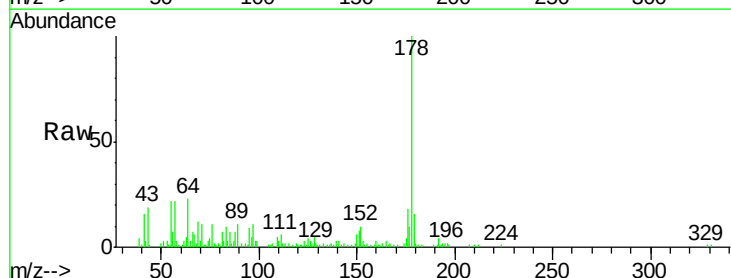
Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

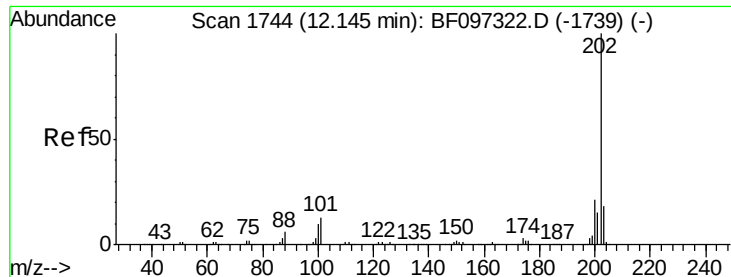
Tot Ion:178 Resp: 302273
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.3 12.6 19.0



#71
Anthracene
Concen: 2.12 ng
RT: 10.97 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion:178 Resp: 38036
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 15.9 12.7 19.1





#74

Fluoranthene

Concen: 13.05 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

ClientSampleId :

E2-L9-ESW

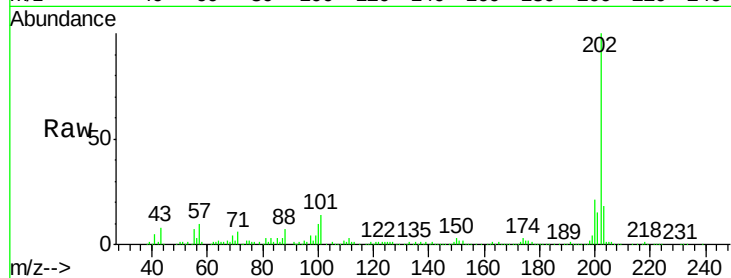
Tot Ion:202 Resp: 224380

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

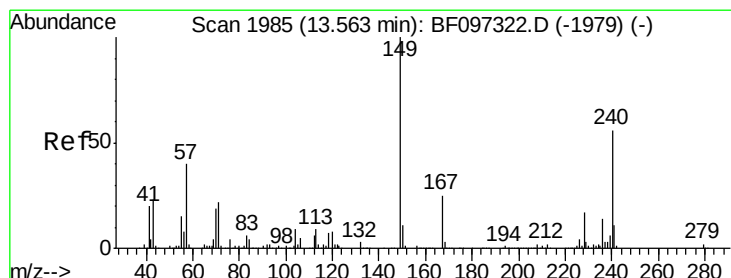
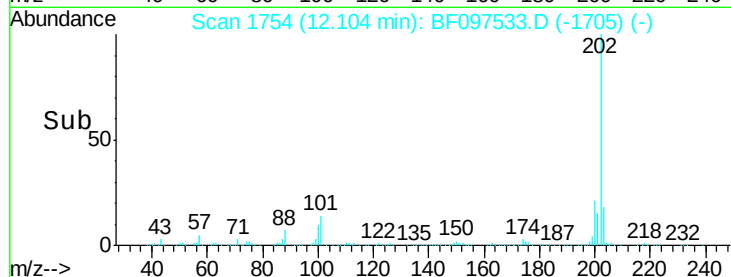
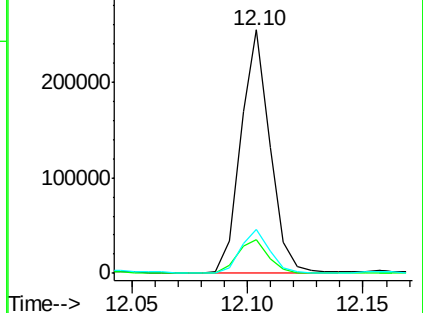
203 18.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

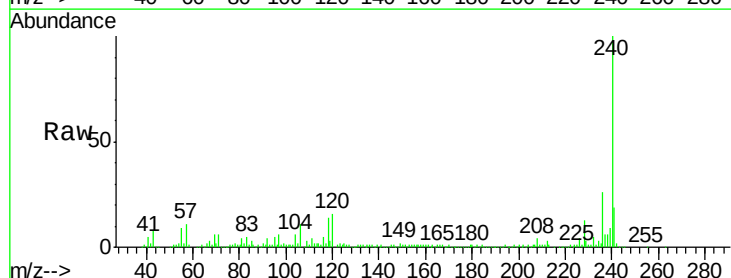
Tgt Ion:240 Resp: 198173

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

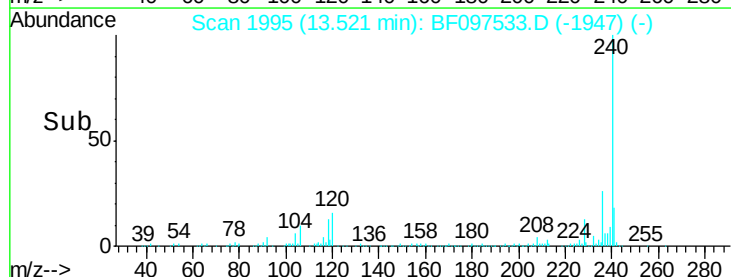
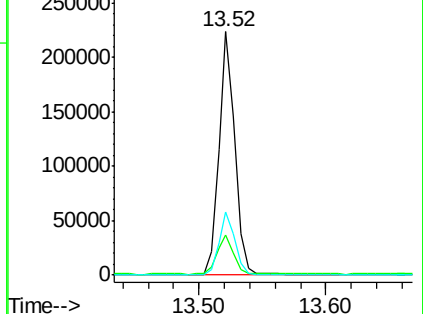
236 25.8 20.5 30.7

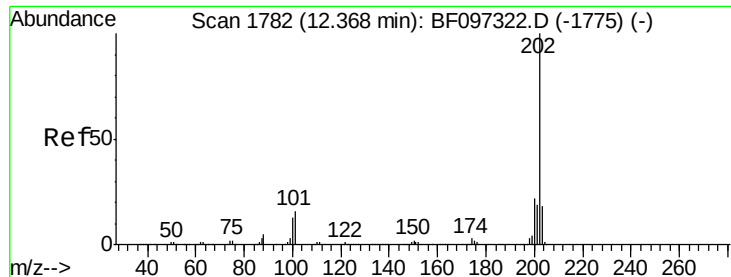


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

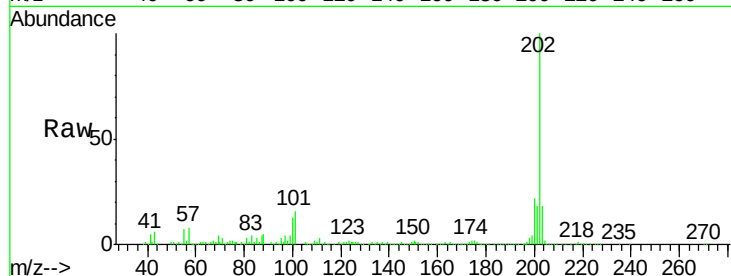




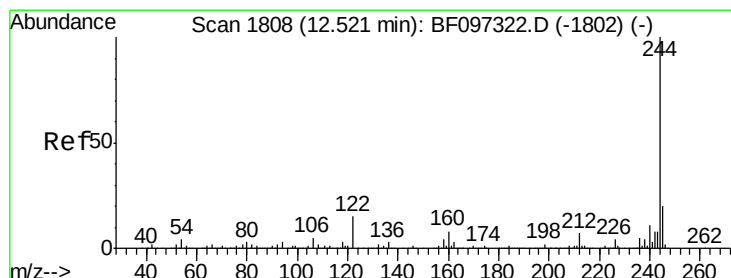
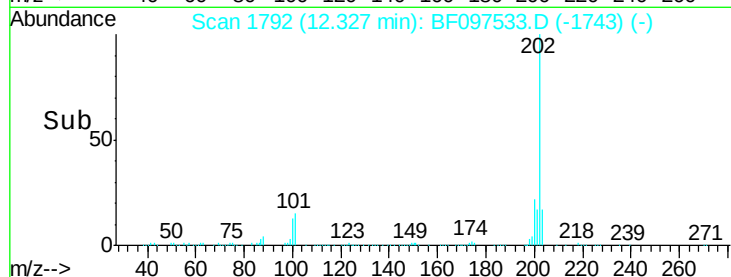
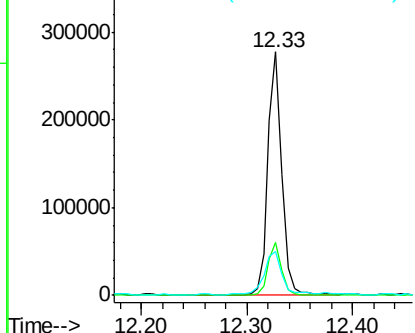
#77
Pvrene
Concen: 15.76 ng
RT: 12.33 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

Tot Ion:202 Resp: 255664
Ion Ratio Lower Upper
202 100
200 21.9 17.6 26.4
203 18.0 14.4 21.6

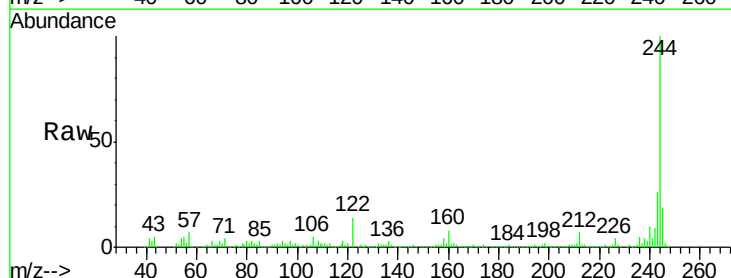


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

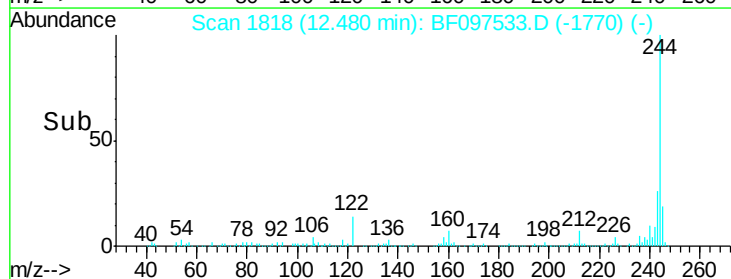
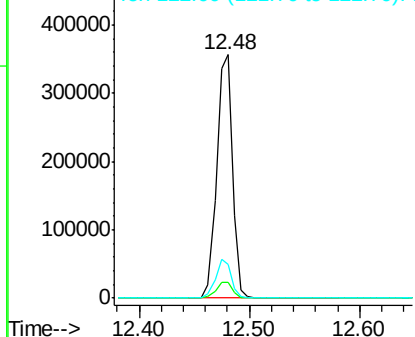


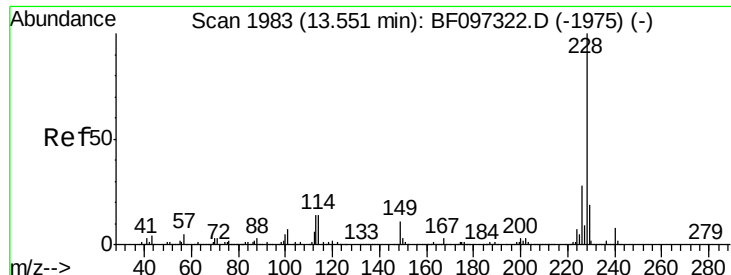
#78
Terphenyl-d14
Concen: 36.20 ng
RT: 12.48 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion:244 Resp: 351845
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 13.7 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

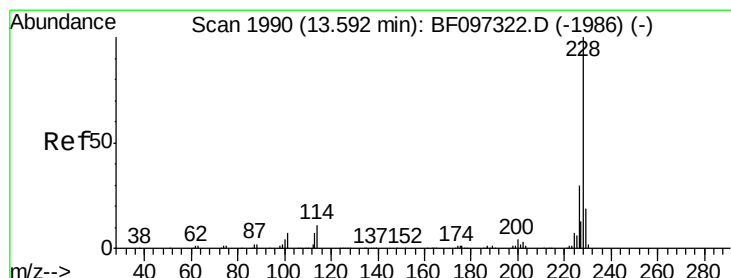
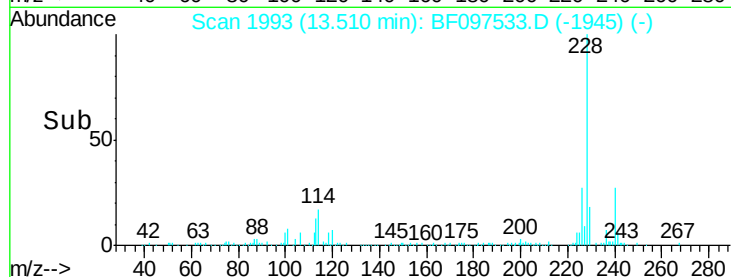
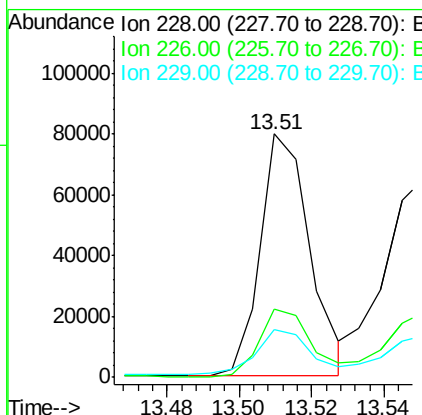
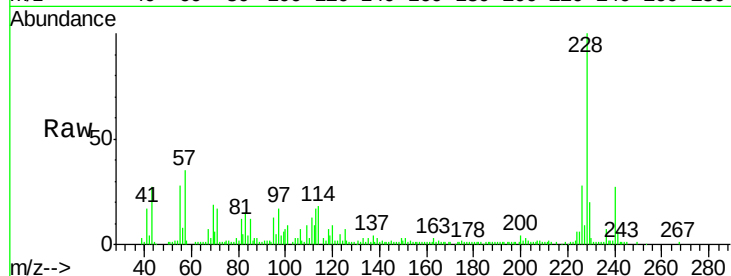




#80
Benzo(a)anthracene
Concen: 5.92 ng
RT: 13.51 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

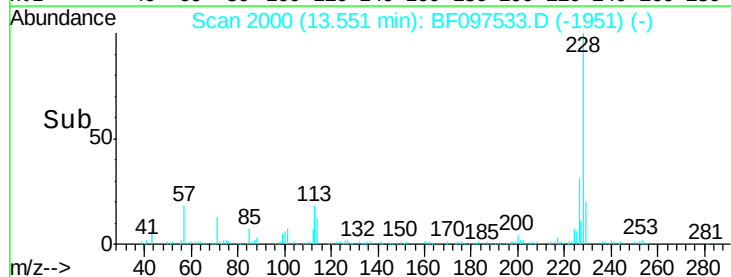
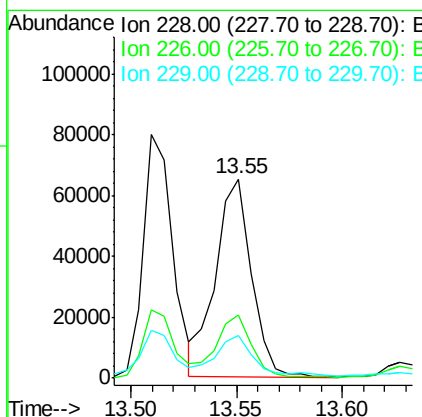
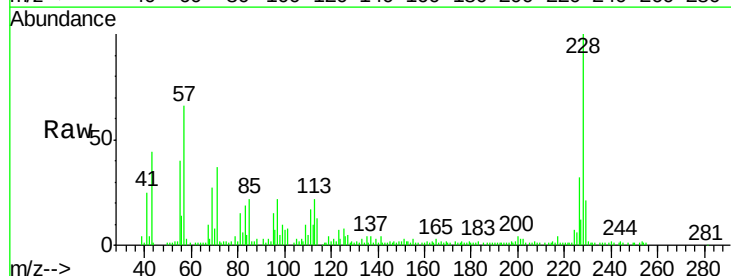
Instrument :
BNA_F
ClientSampled :
E2-L9-ESW

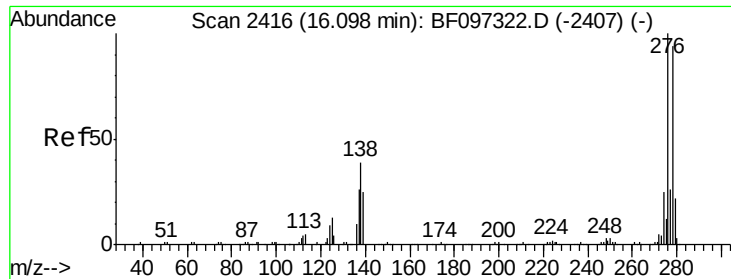
Tot Ion:228 Resp: 75895
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 19.6 16.3 24.5



#82
Chrysene
Concen: 6.17 ng
RT: 13.55 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion:228 Resp: 77270
Ion Ratio Lower Upper
228 100
226 31.7 24.9 37.3
229 21.2 15.8 23.6

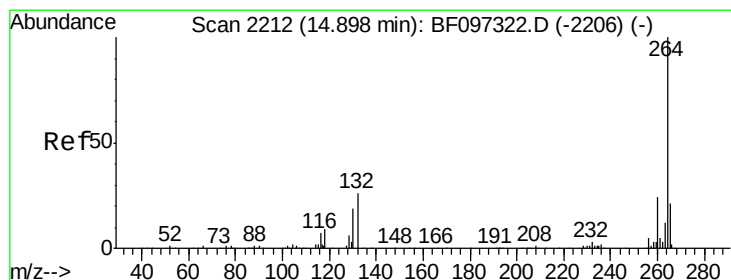
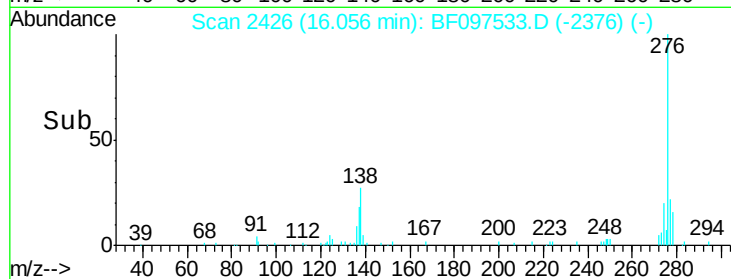
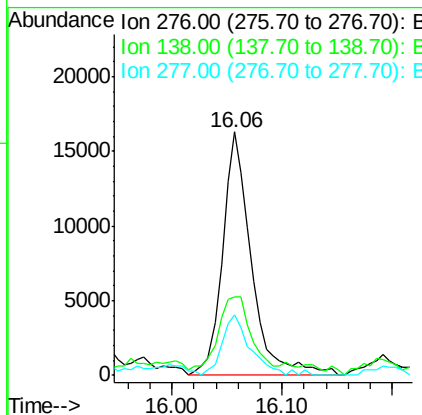
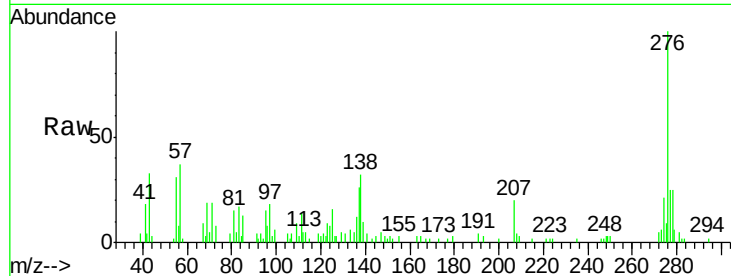




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.76 ng
RT: 16.06 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

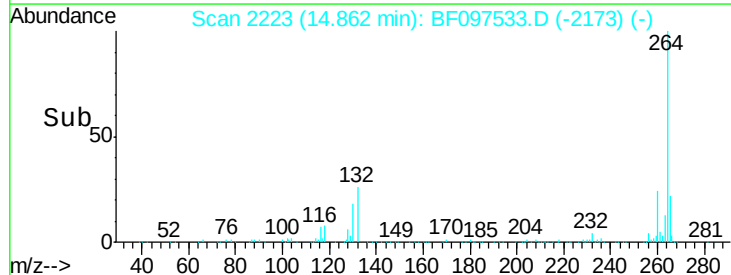
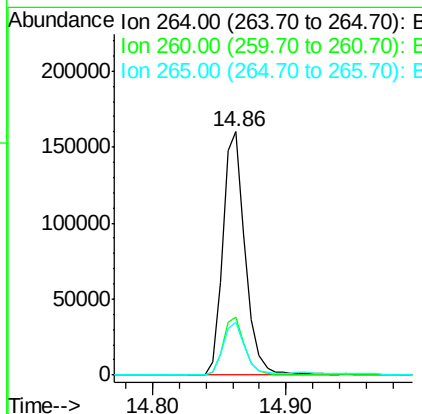
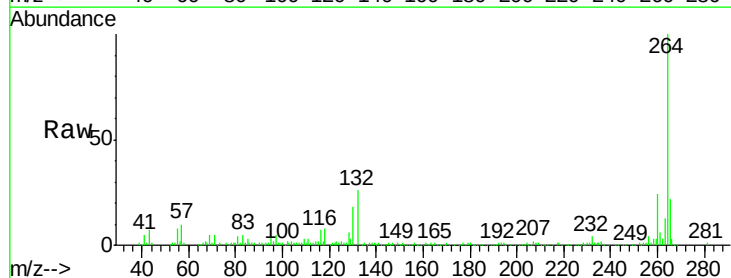
Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

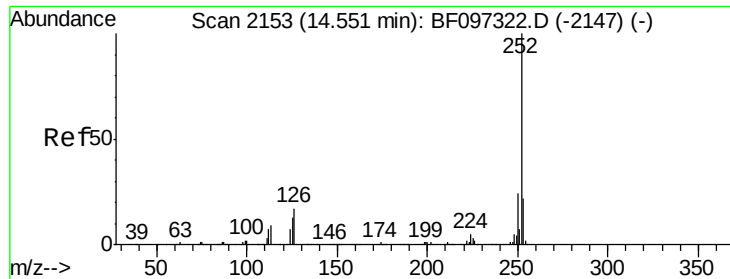
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.8	27.8	41.6
277	23.9	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.8	17.2	25.8

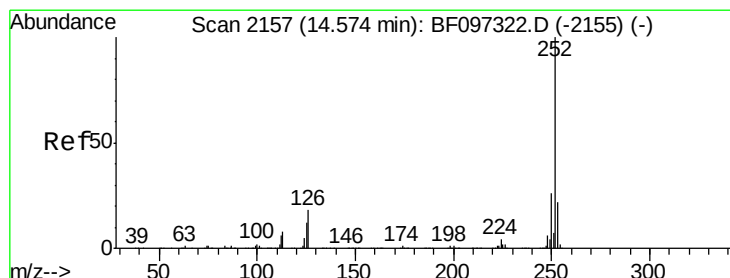
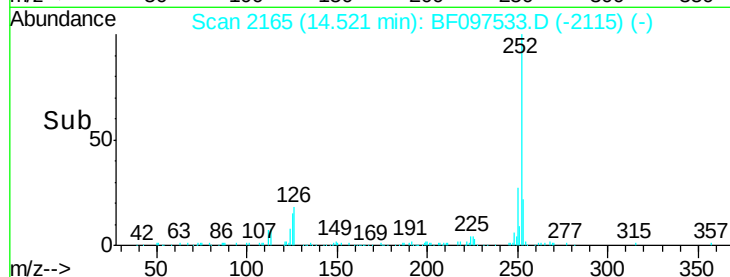
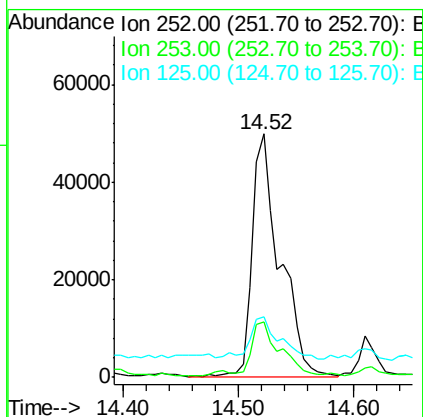
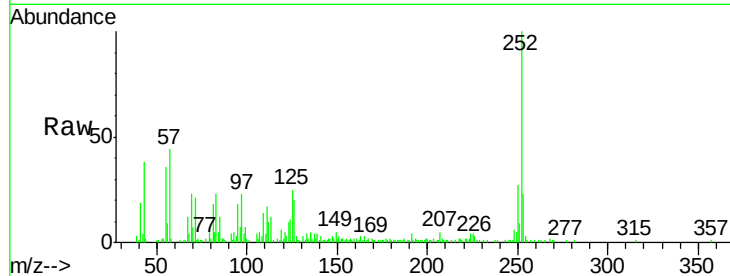




#87
Benzo(b)fluoranthene
Concen: 7.38 ng
RT: 14.52 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

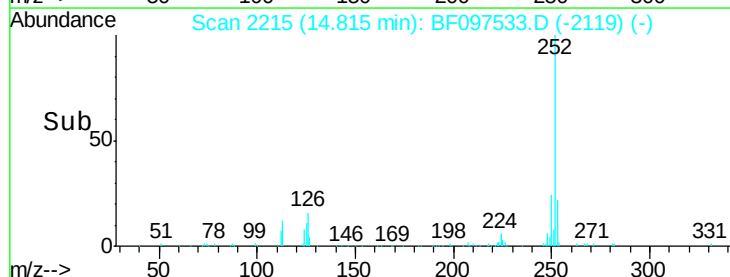
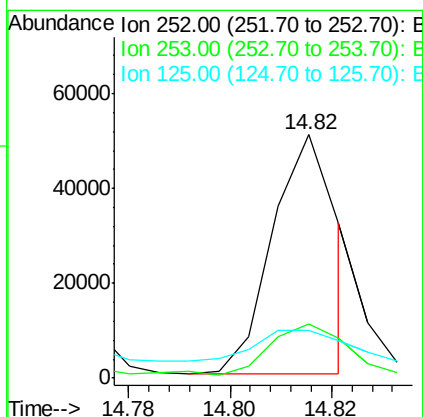
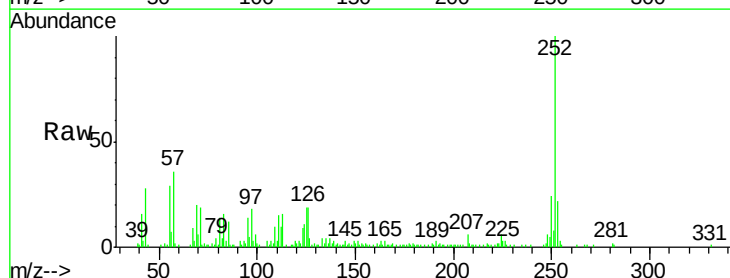
Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

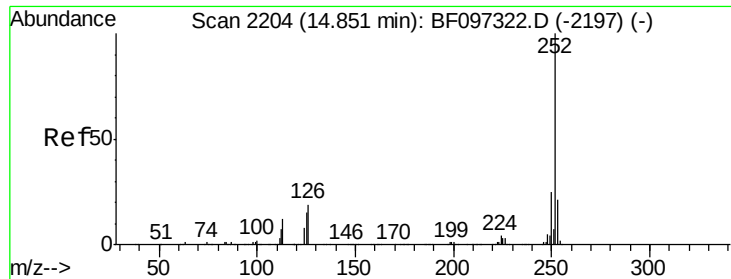
Tot Ion:252 Resp: 83760
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 24.8 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 4.12 ng
RT: 14.82 min Scan# 2215
Delta R.T. 0.26 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion:252 Resp: 44561
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 19.5 13.1 19.7

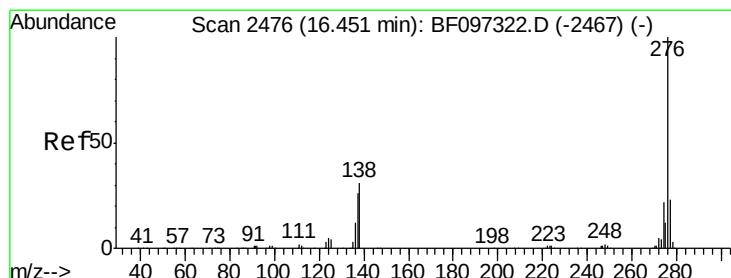
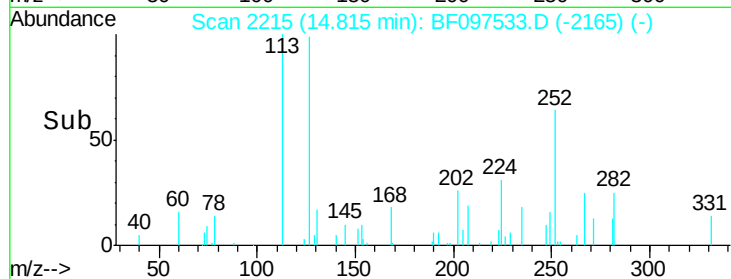
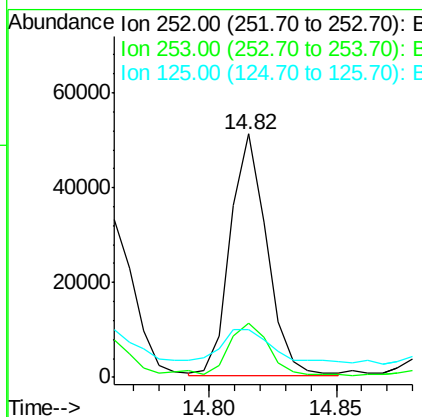
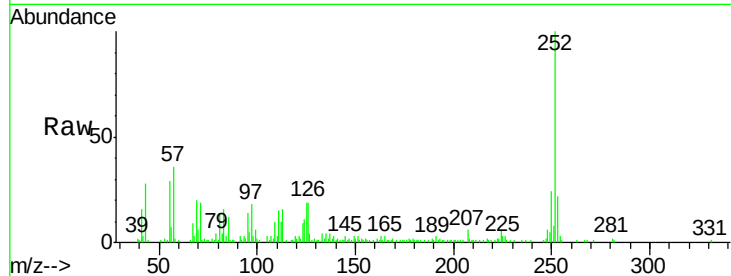




#89
Benzo(a)pyrene
Concen: 4.93 ng
RT: 14.82 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

Tot Ion:252 Resp: 51262
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 19.5 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.27 ng
RT: 16.41 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion:276 Resp: 29231
Ion Ratio Lower Upper
276 100
277 22.3 18.6 28.0
138 37.6 25.4 38.0

