

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080817\
 Data File : BF097512.D
 Acq On : 9 Aug 2017 12:14
 Operator : SJ/JU
 Sample : I4588-03RE
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-BASERE

Quant Time: Aug 09 15:57:25 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	184085	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	695045	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	279518	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	380718	20.00	ng	0.00
75) Chrysene-d12	13.53	240	334260	20.00	ng	0.00
86) Perylene-d12	14.87	264	239583	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.00	112	508909	41.68	ng	0.00
7) Phenol-d6	6.08	99	625042	44.84	ng	0.00
23) Nitrobenzene-d5	6.97	82	335039	28.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	78490	35.54	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	433049	26.29	ng	0.00
78) Terphenyl-d14	12.49	244	295663	18.03	ng	-0.01

Target Compounds

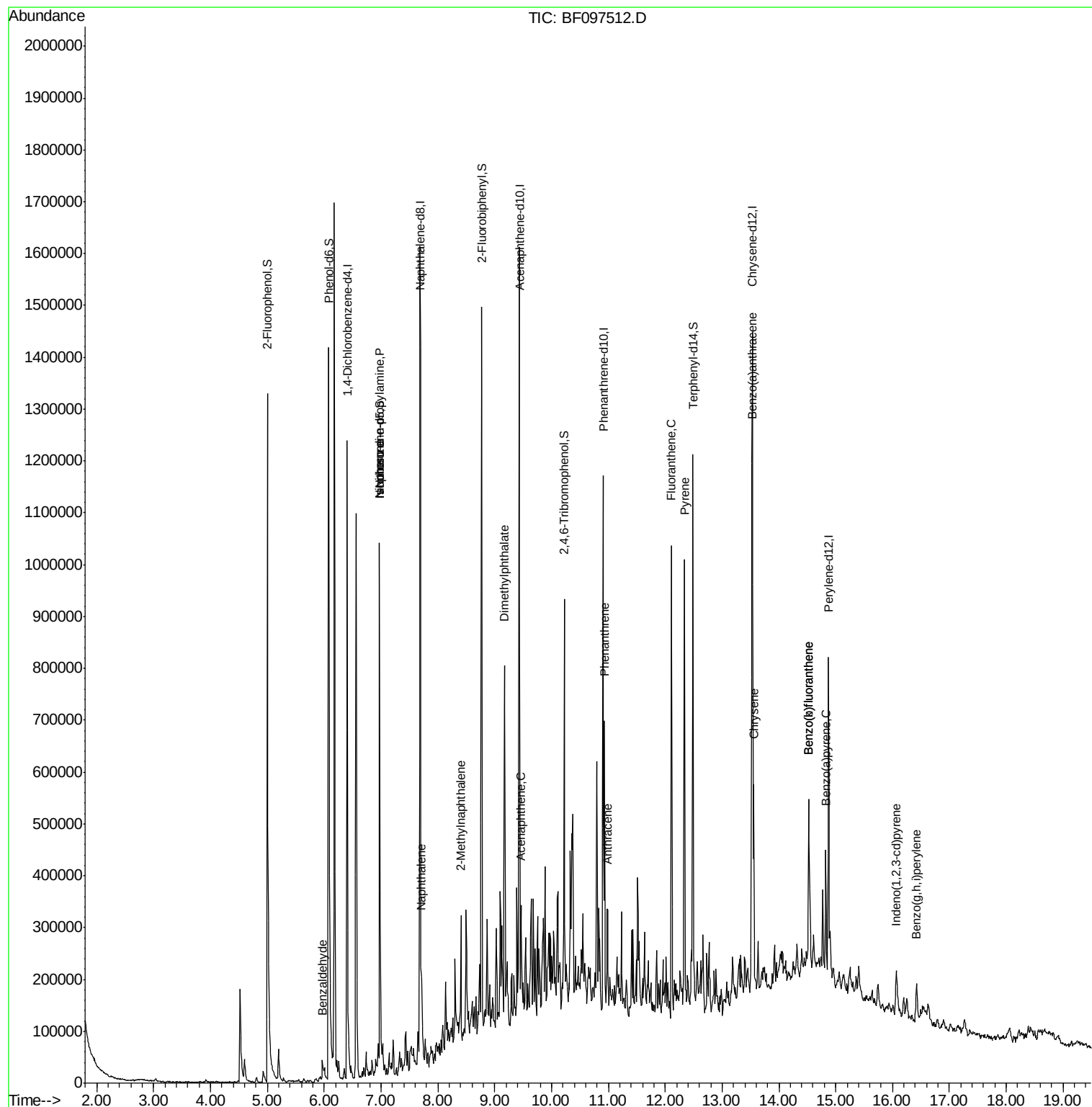
						Qvalue
9) Benzaldehyde	5.97	77	19695	2.387	ng	93
19) n-Nitroso-di-n-propylamine	6.97	70	45878	5.000	ng	# 82
25) Isophorone	6.97	82	335036	14.440	ng	# 67
31) Naphthalene	7.71	128	75857	2.315	ng	98
37) 2-Methylnaphthalene	8.40	142	60122	2.898	ng	97
49) Dimethylphthalate	9.17	163	257002	12.108	ng	99
51) Acenaphthene	9.46	154	35098	2.210	ng	100
70) Phenanthrene	10.93	178	218725	10.722	ng	99
71) Anthracene	10.99	178	71641	3.429	ng	97
74) Fluoranthene	12.11	202	354369	17.733	ng	99
77) Pyrene	12.34	202	369675	13.509	ng	98
80) Benzo(a)anthracene	13.52	228	156269	7.225	ng	99
82) Chrysene	13.56	228	141541	6.702	ng	98
85) Indeno(1,2,3-cd)pyrene	16.07	276	47521	2.624	ng	94
87) Benzo(b)fluoranthene	14.53	252	189255	13.141	ng	# 97
88) Benzo(k)fluoranthene	14.53	252	189255	13.790	ng	99
89) Benzo(a)pyrene	14.83	252	97947	7.431	ng	98
91) Benzo(g,h,i)perylene	16.42	276	49683	4.383	ng	93

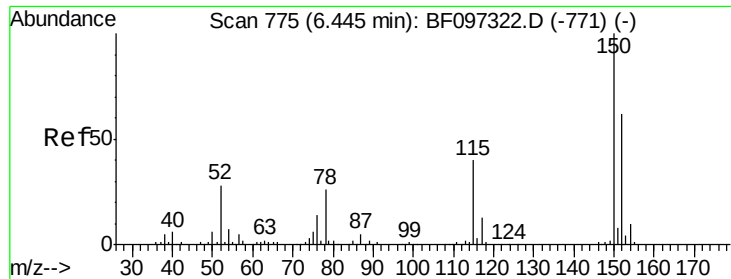
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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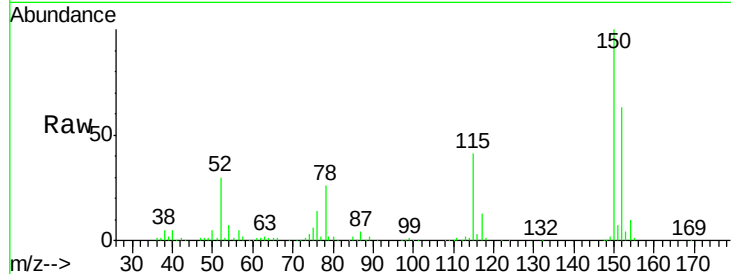


#1

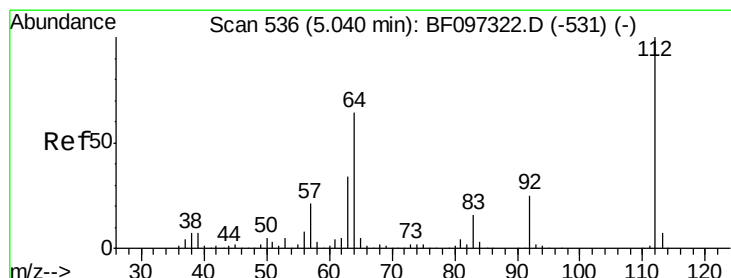
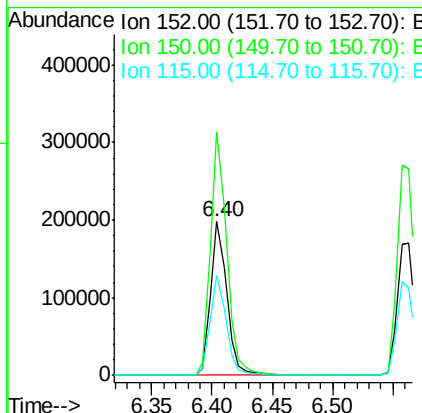
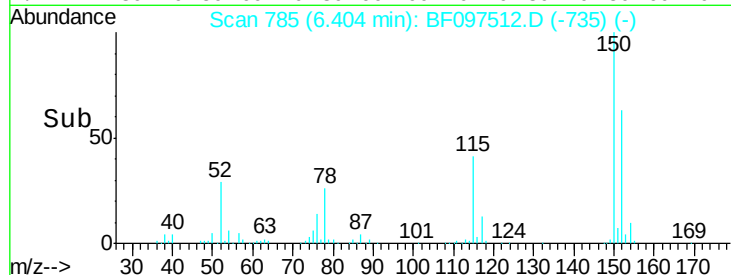
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Instrument :
BNA_F
ClientSampleId :
E2-N9-BASERE

Tgt Ion:152 Resp: 184085
Ion Ratio Lower Upper
152 100
150 158.4 126.2 189.2
115 65.4 52.2 78.2



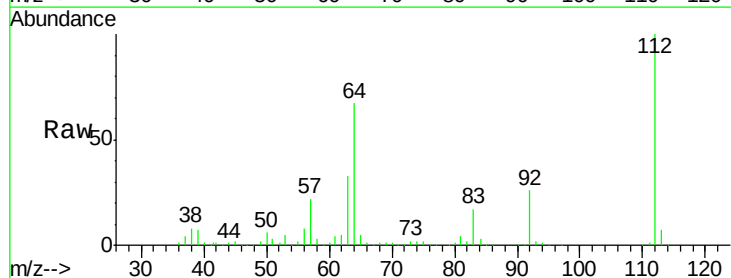
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



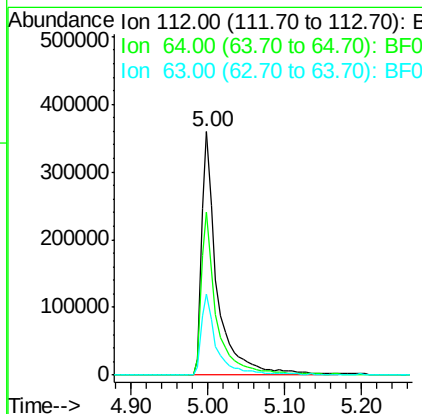
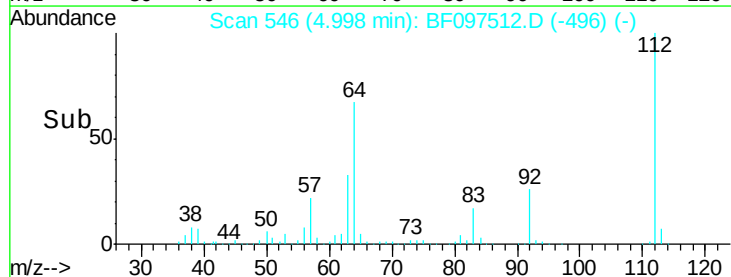
#5

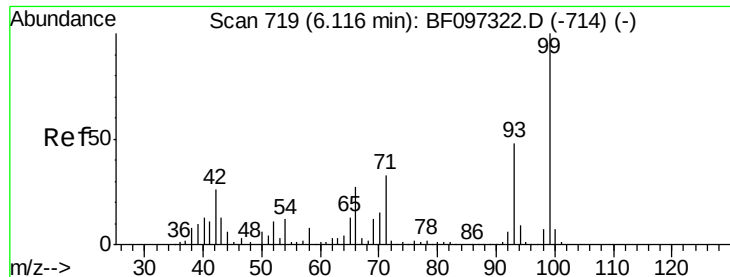
2-Fluorophenol
Concen: 41.675 ng
RT: 5.00 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion:112 Resp: 508909
Ion Ratio Lower Upper
112 100
64 67.2 46.0 69.0
63 33.3 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: 44.836 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

ClientSampleId :

E2-N9-BASERE

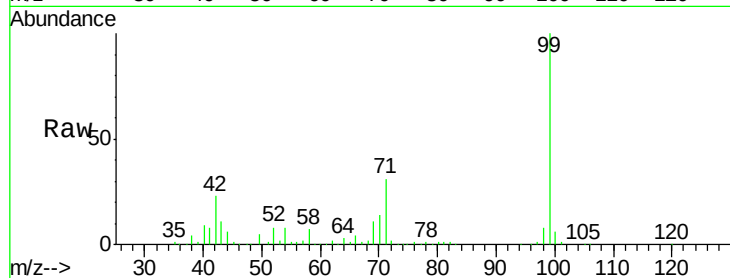
Tgt Ion: 99 Resp: 625042

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

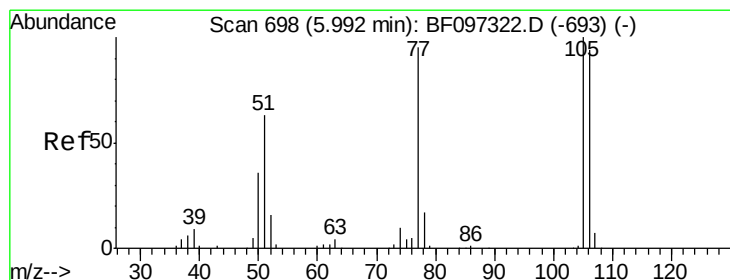
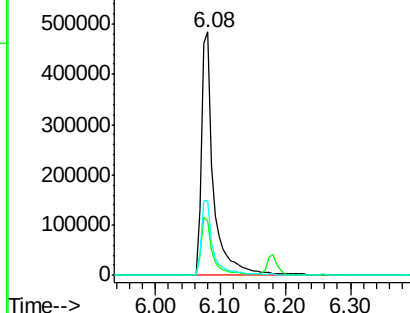
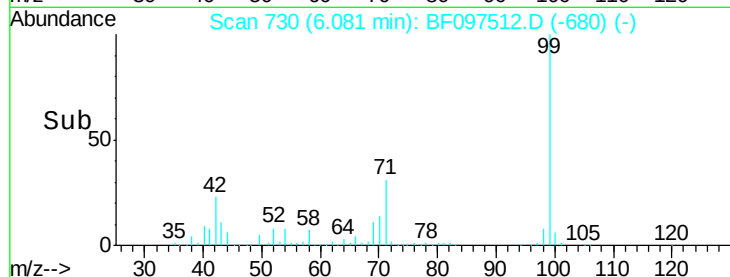
71 30.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.387 ng

RT: 5.97 min Scan# 711

Delta R.T. 0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

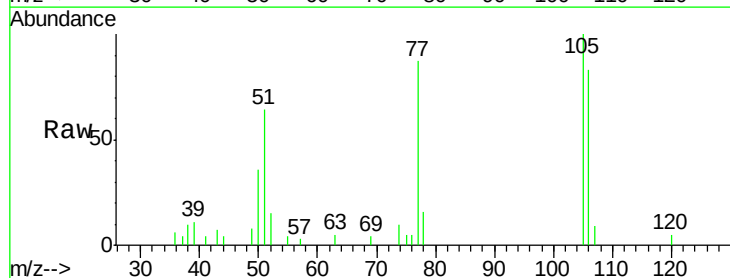
Tgt Ion: 77 Resp: 19695

Ion Ratio Lower Upper

77 100

105 115.1 83.8 123.8

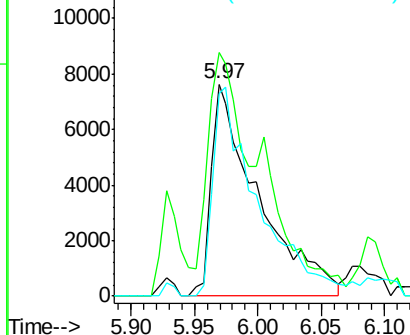
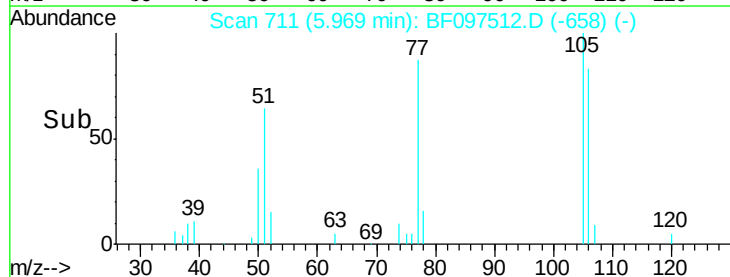
106 95.7 79.1 119.1

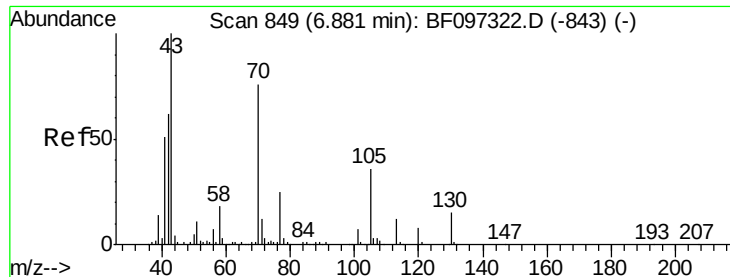


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

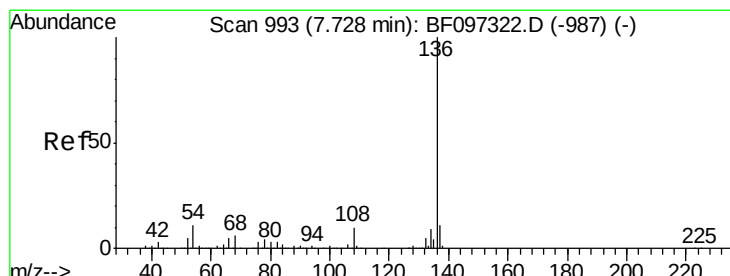
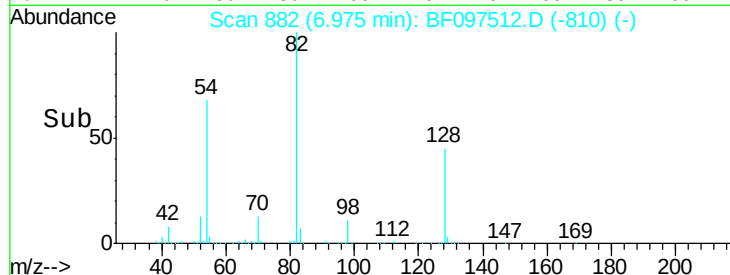
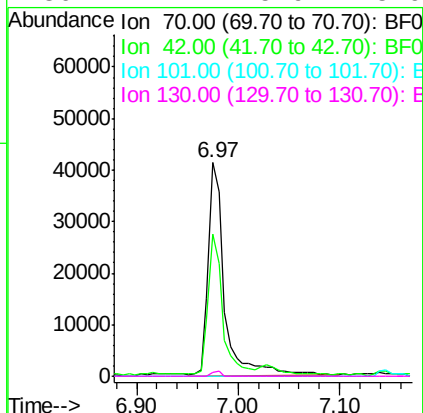
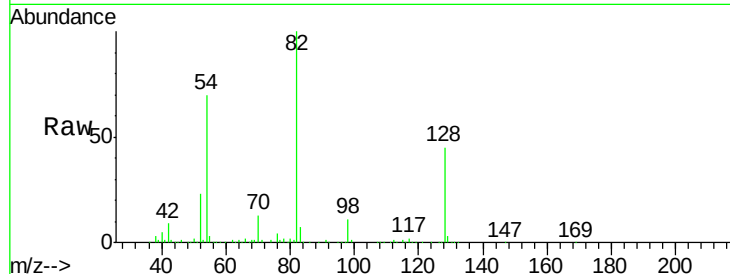




#19
n-Nitroso-di-n-propylamine
Concen: 5.000 ng
RT: 6.97 min Scan# 882
Delta R.T. 0.12 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

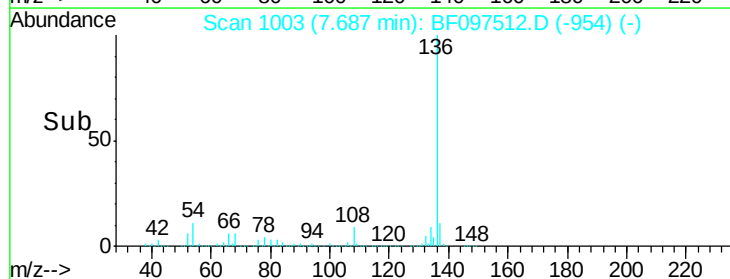
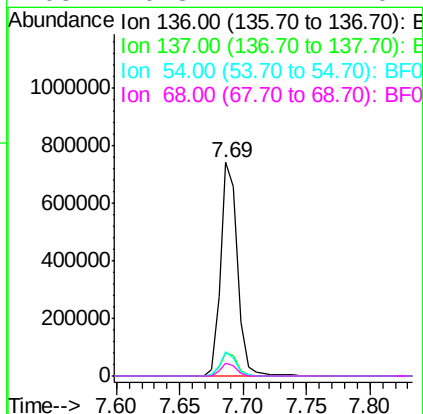
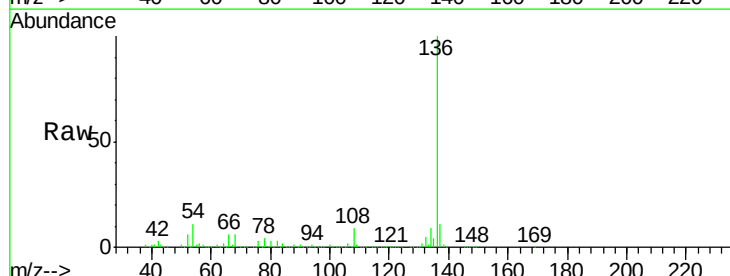
Instrument :
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ClientSampleId :
E2-N9-BASERE

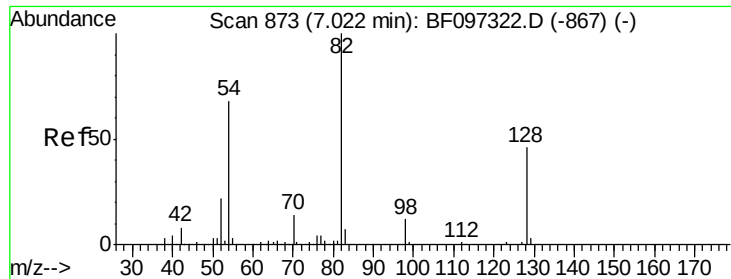
Tgt Ion: 70 Resp: 45878
Ion Ratio Lower Upper
70 100
42 66.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion: 136 Resp: 695045
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 11.4 4.9 7.3#
68 6.3 4.1 6.1#

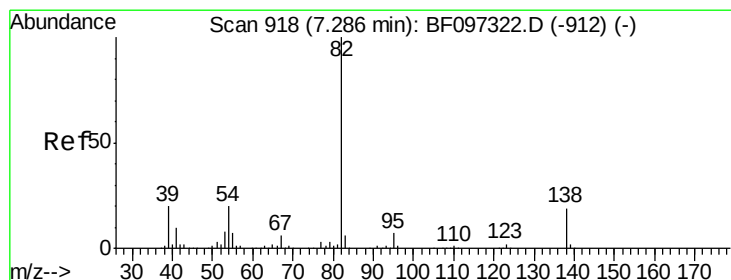
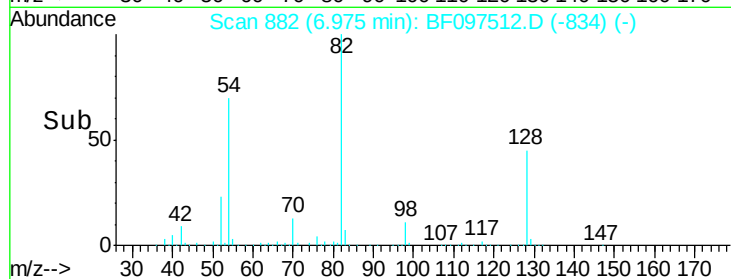
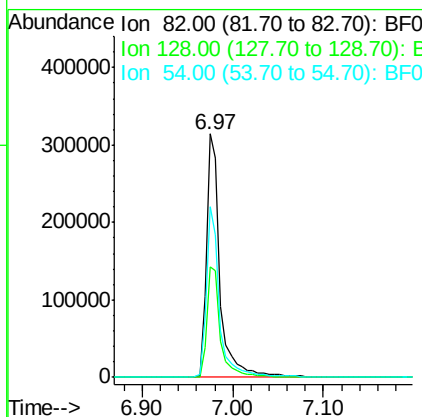
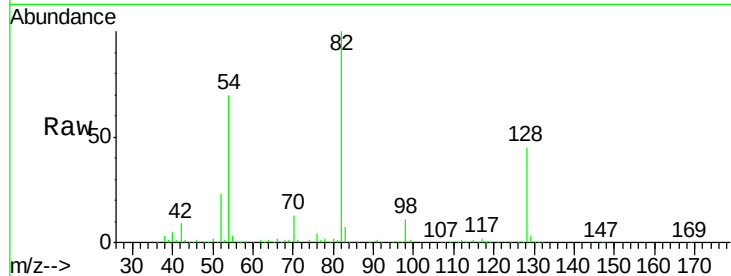




#23
 Nitrobenzene-d5
 Concen: 28.278 ng
 RT: 6.97 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

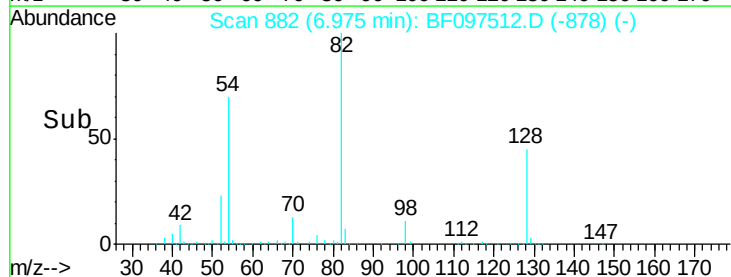
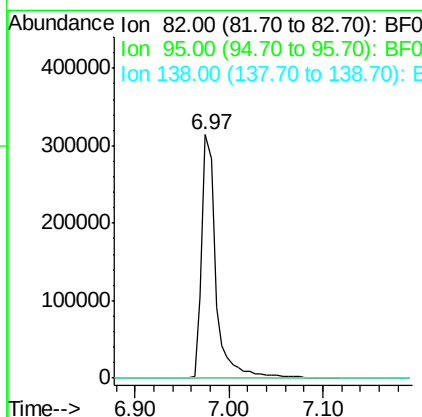
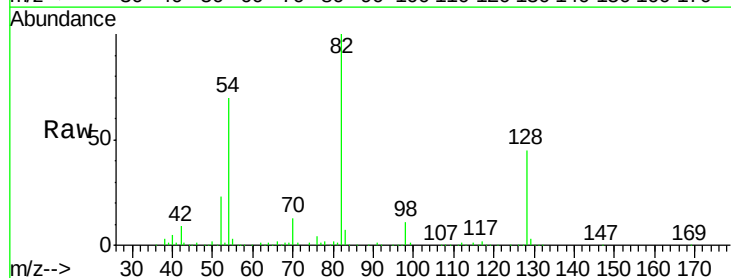
Instrument :
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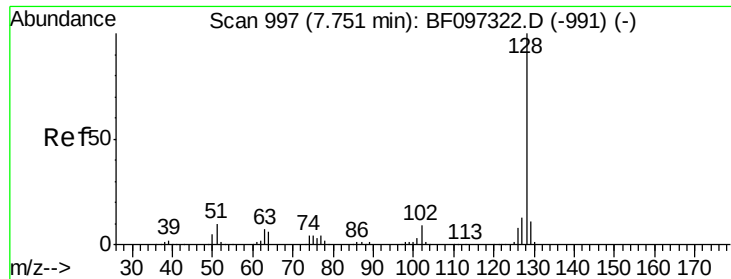
Tgt Ion: 82 Resp: 335039
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.0 51.0
 54 70.3 42.2 63.2#



#25
 Isophorone
 Concen: 14.440 ng
 RT: 6.97 min Scan# 882
 Delta R.T. -0.28 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Tgt Ion: 82 Resp: 335036
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#

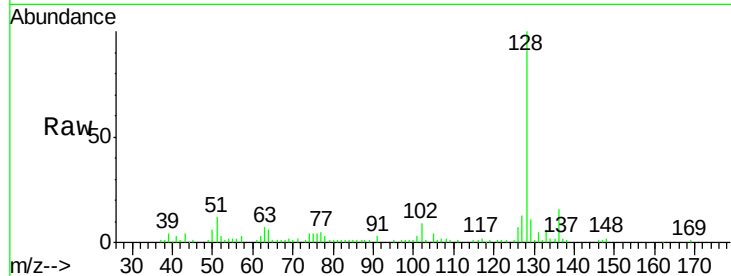




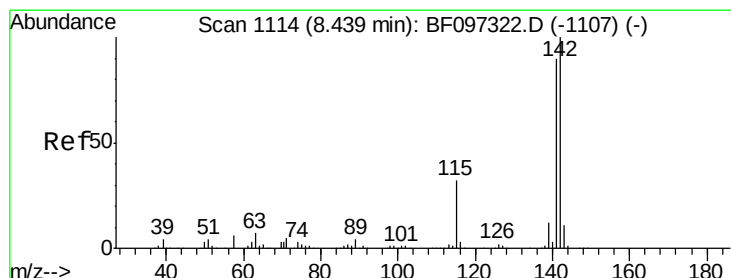
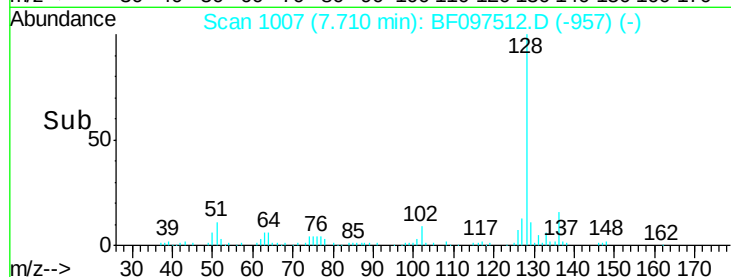
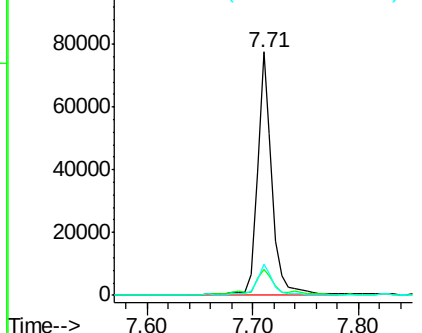
#31
Naphthalene
Concen: 2.315 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Instrument :
BNA_F
ClientSampleId :
E2-N9-BASERE

Tgt Ion:128 Resp: 75857
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.5 10.8 16.2

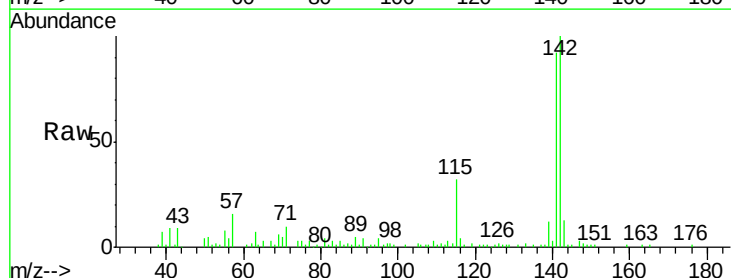


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

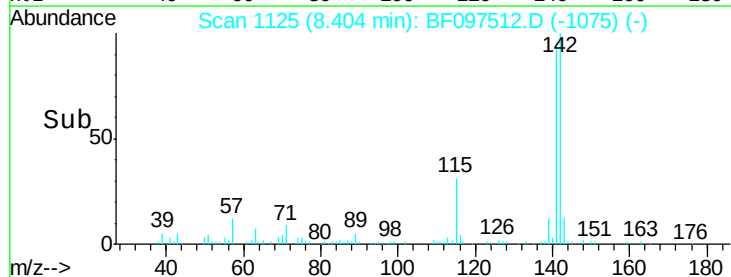
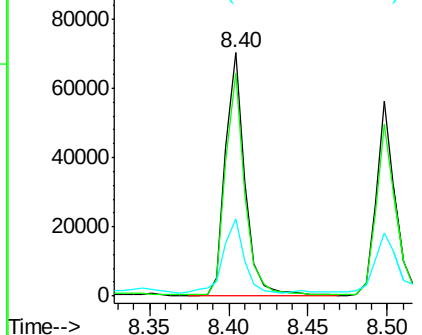


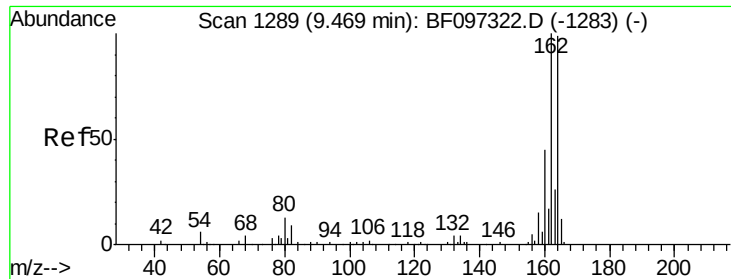
#37
2-Methylnaphthalene
Concen: 2.898 ng
RT: 8.40 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion:142 Resp: 60122
Ion Ratio Lower Upper
142 100
141 91.6 71.3 106.9
115 31.7 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

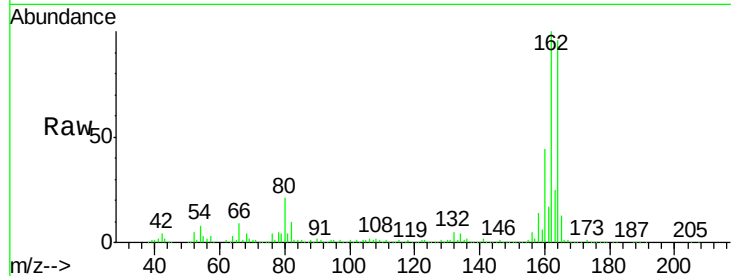




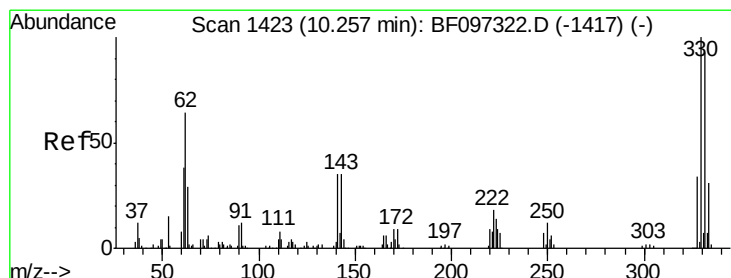
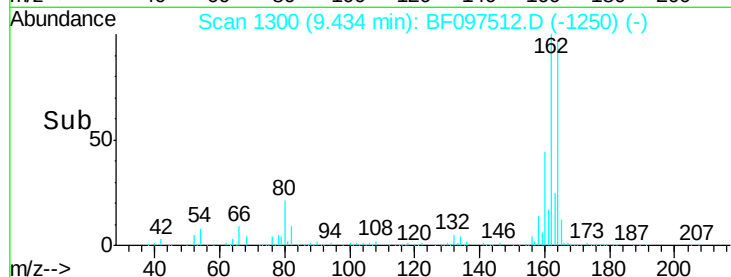
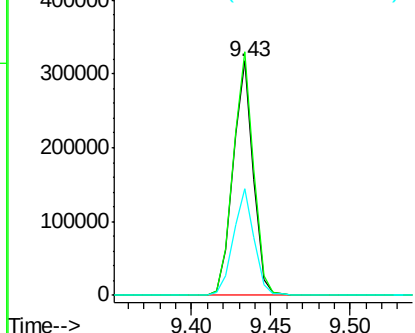
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Instrument :
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Tgt Ion:164 Resp: 279518
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 45.8 36.2 54.2

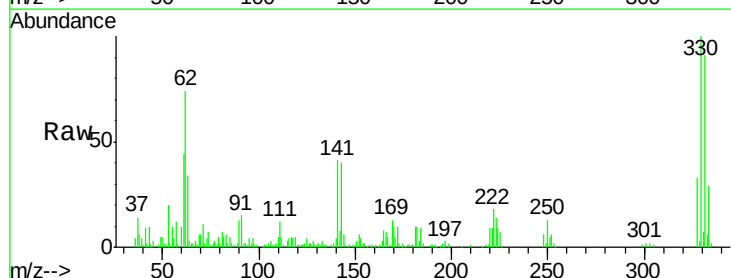


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

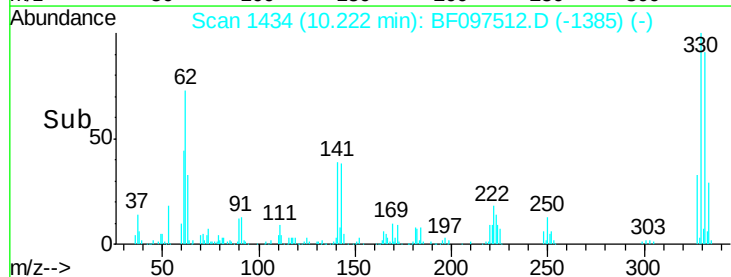
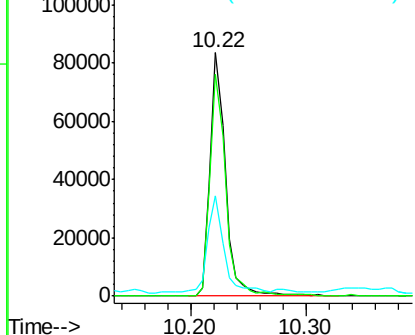


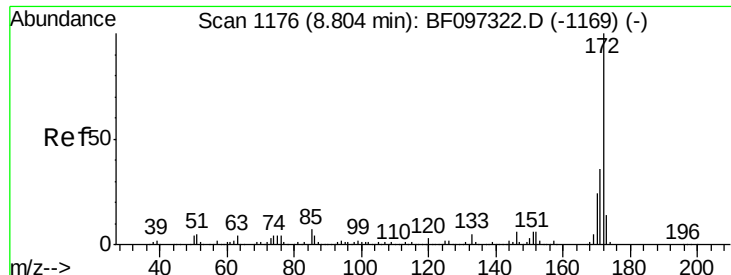
#41
 2,4,6-Tribromophenol
 Concen: 35.541 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Tgt Ion:330 Resp: 78490
 Ion Ratio Lower Upper
 330 100
 332 93.0 76.6 115.0
 141 44.4 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

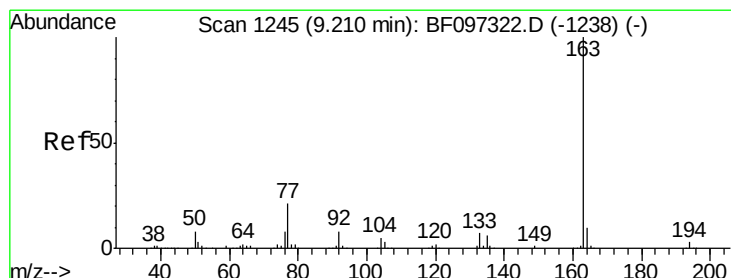
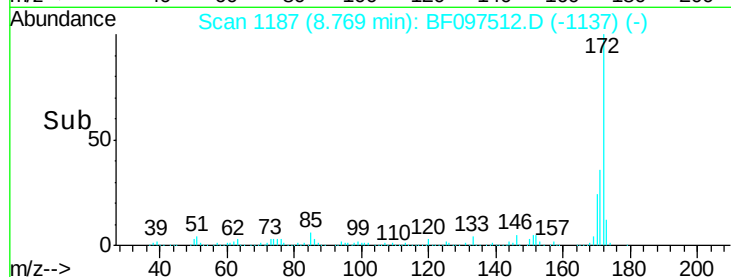
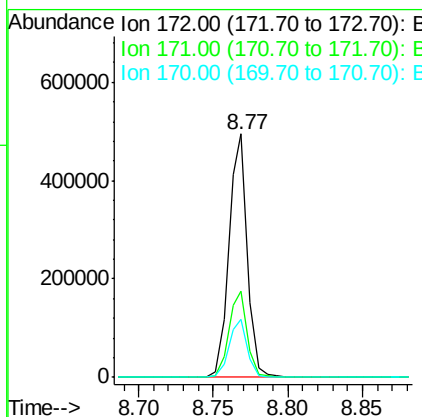
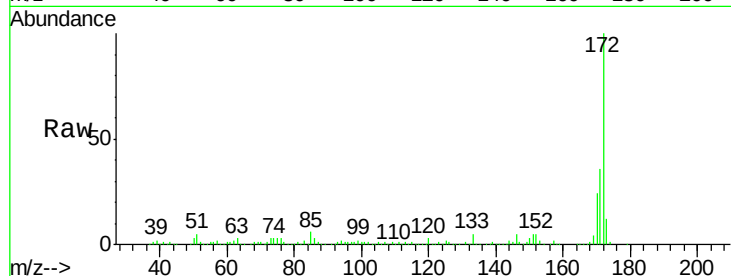




#44
2-Fluorobiphenyl
Concen: 26.293 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

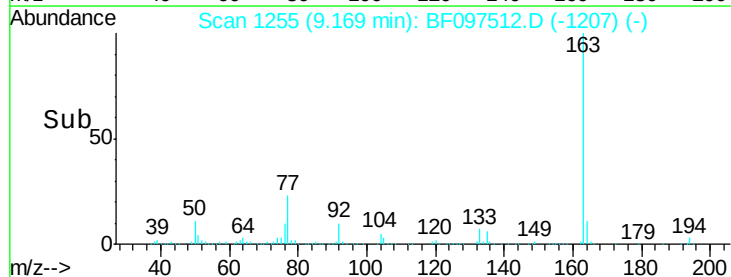
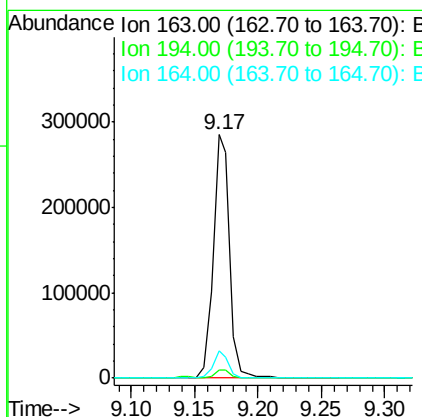
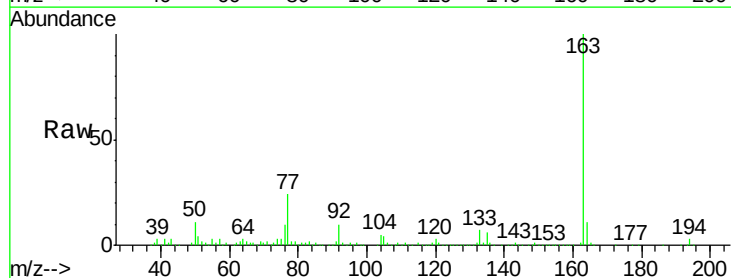
Instrument :
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ClientSampleId :
E2-N9-BASERE

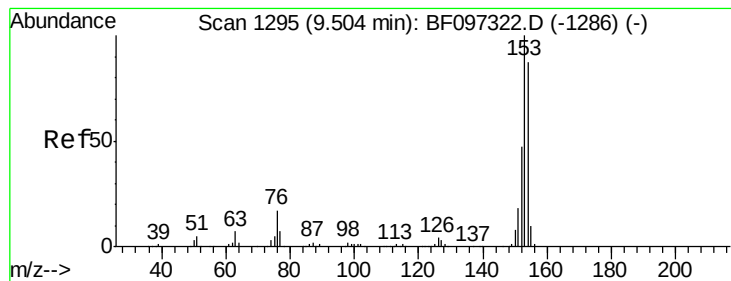
Tgt Ion:172 Resp: 433049
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.9 19.8 29.8



#49
Dimethylphthalate
Concen: 12.108 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion:163 Resp: 257002
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 11.1 8.4 12.6





#51

Acenaphthene

Concen: 2.210 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

ClientSampleId :

E2-N9-BASERE

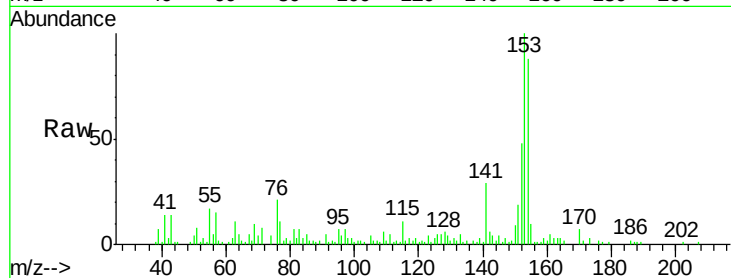
Tgt Ion:154 Resp: 35098

Ion Ratio Lower Upper

154 100

153 113.3 90.5 135.7

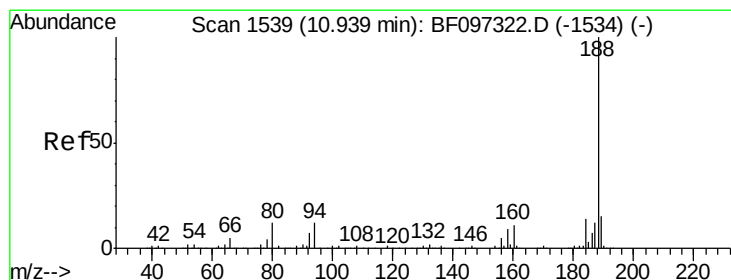
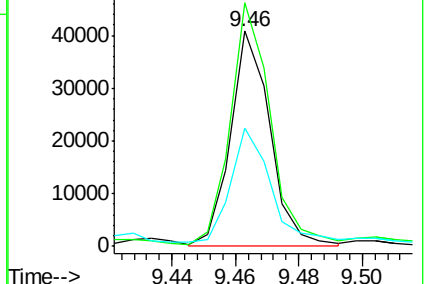
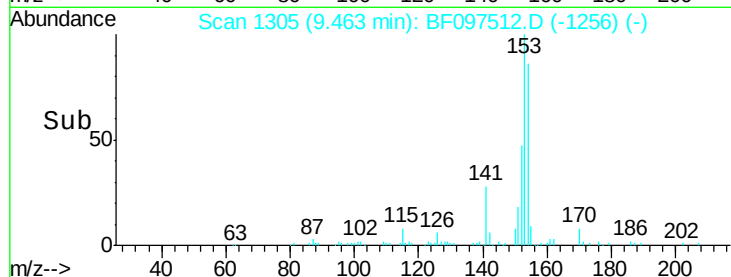
152 54.9 43.6 65.4



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.91 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

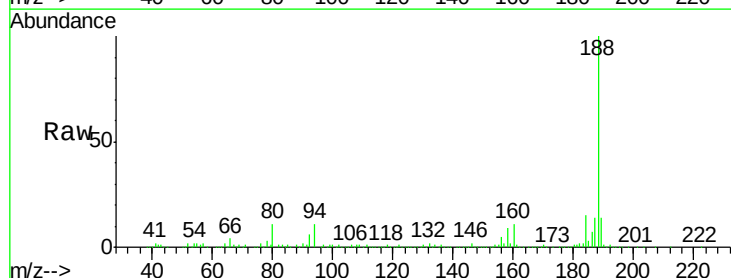
Tgt Ion:188 Resp: 380718

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

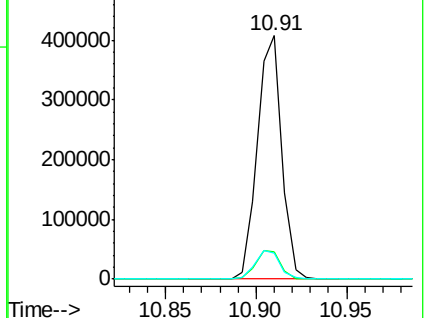
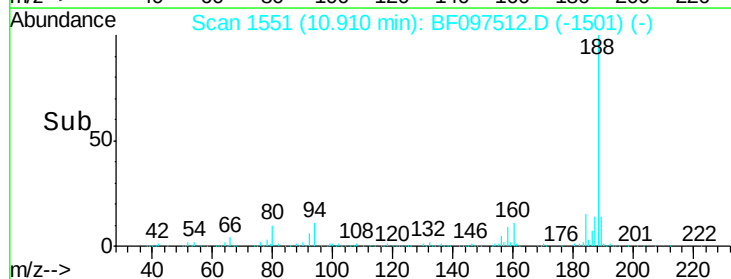
80 10.6 10.2 15.2

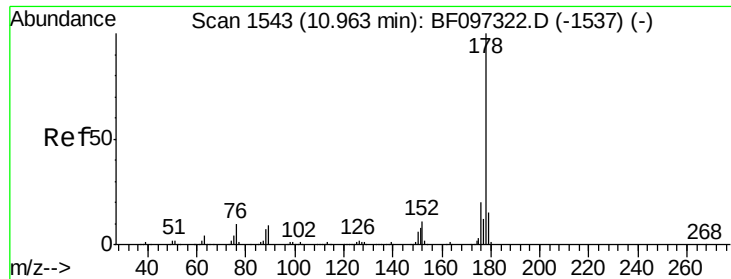


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

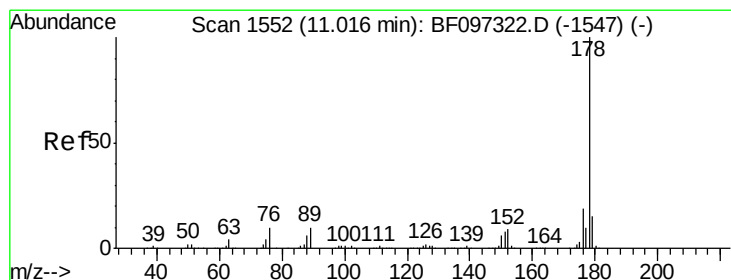
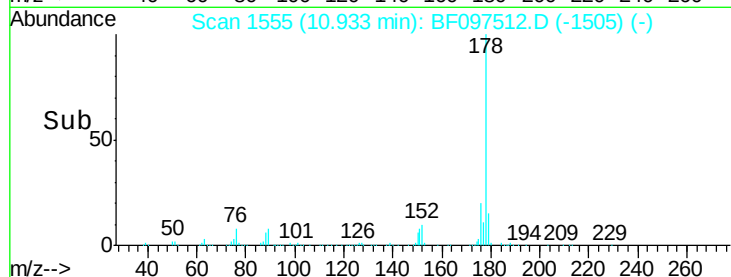
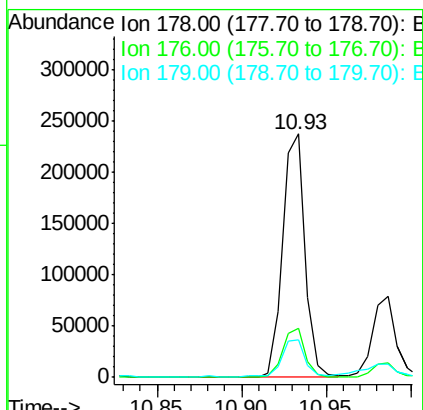
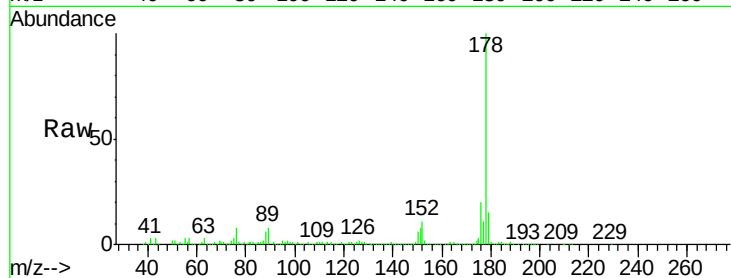




#70
Phenanthrene
Concen: 10.722 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

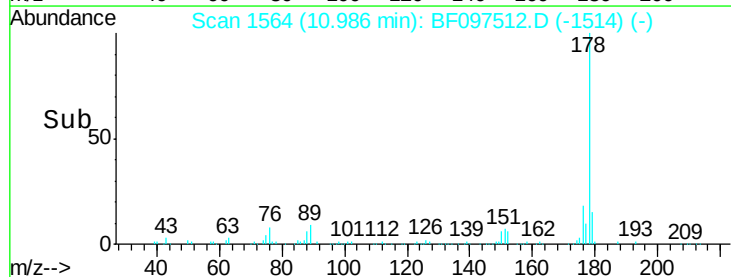
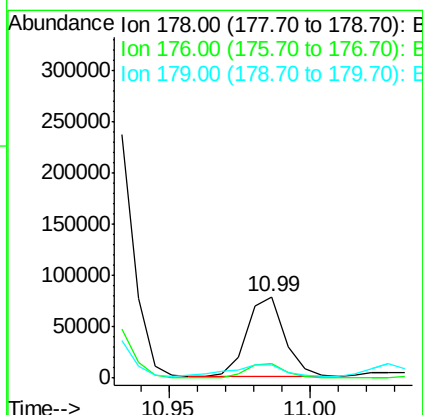
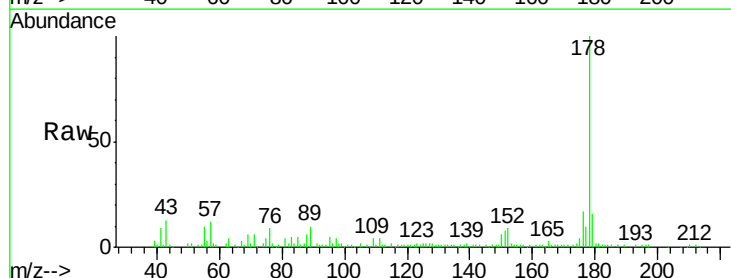
Instrument :
BNA_F
ClientSampleId :
E2-N9-BASERE

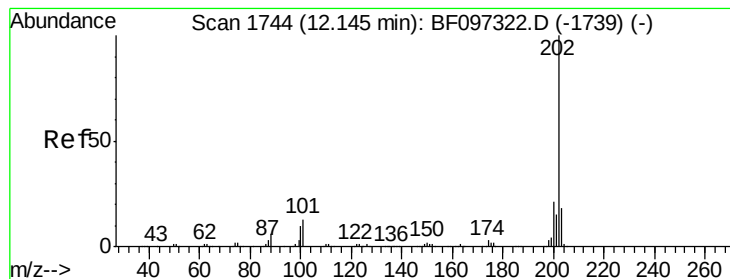
Tgt Ion:178 Resp: 218725
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.5 12.6 19.0



#71
Anthracene
Concen: 3.429 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion:178 Resp: 71641
Ion Ratio Lower Upper
178 100
176 17.4 15.8 23.8
179 15.7 12.7 19.1





#74

Fluoranthene

Concen: 17.733 ng

RT: 12.11 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

ClientSampleId :

E2-N9-BASERE

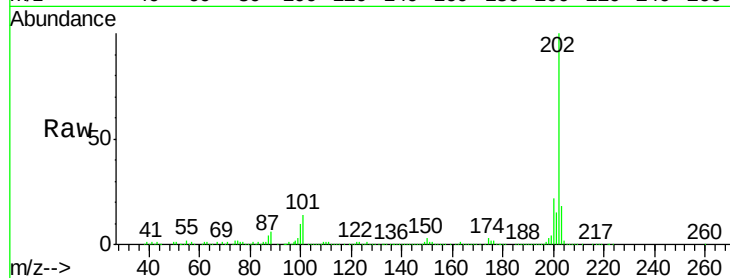
Tgt Ion:202 Resp: 354369

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

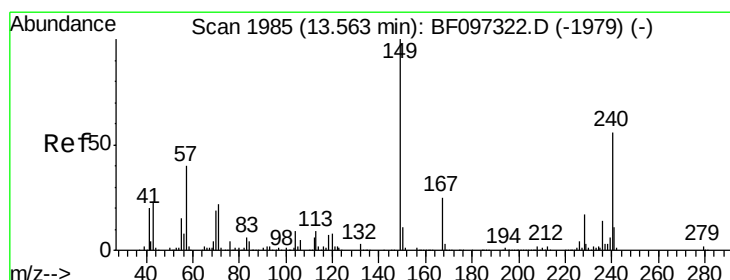
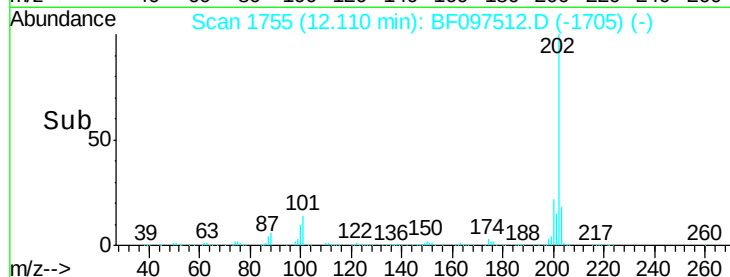
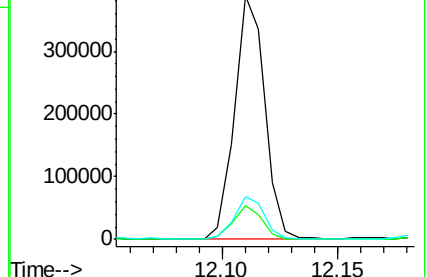
203 17.7 0.0 38.1



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: 20.000 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

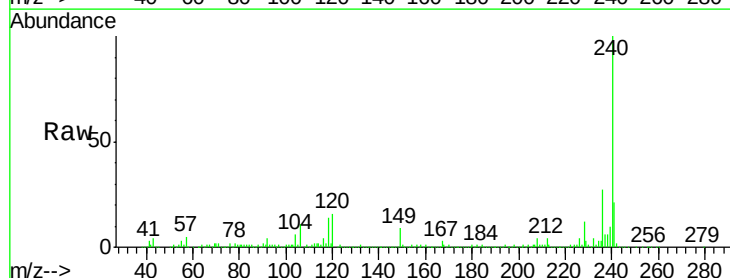
Tgt Ion:240 Resp: 334260

Ion Ratio Lower Upper

240 100

120 16.4 5.8 8.8#

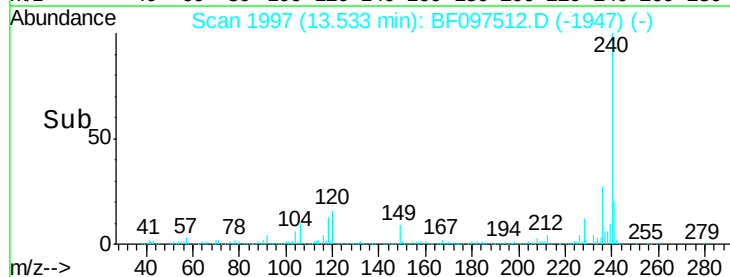
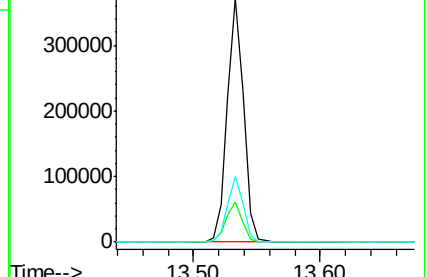
236 26.8 20.5 30.7

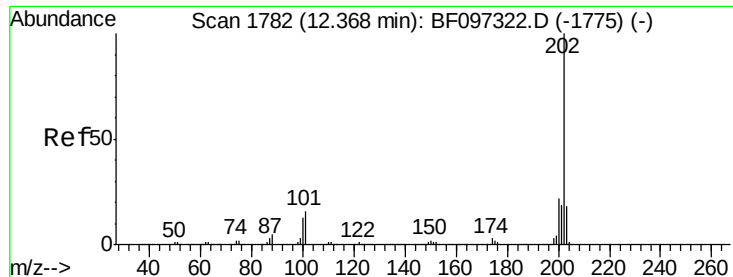


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

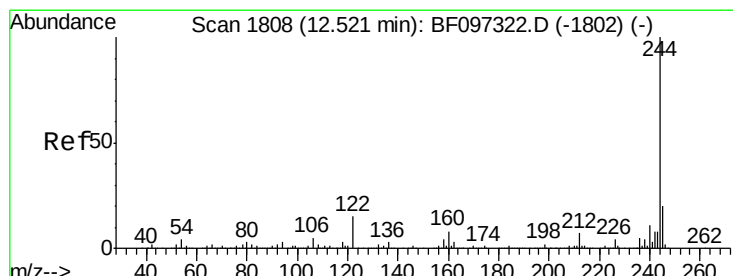
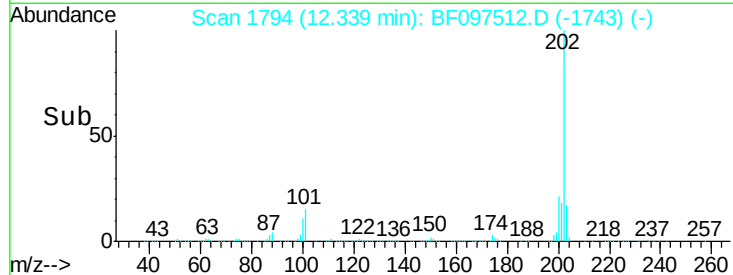
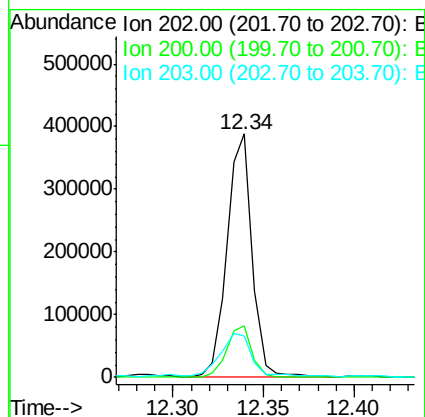
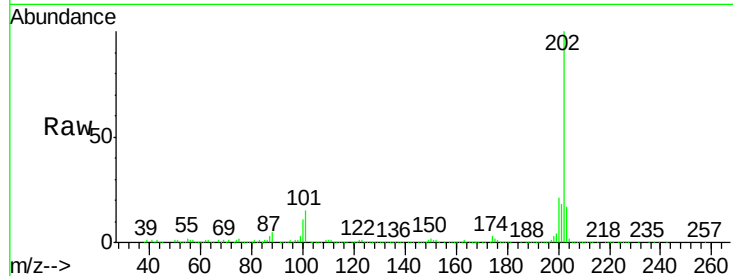




#77
 Pyrene
 Concen: 13.509 ng
 RT: 12.34 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

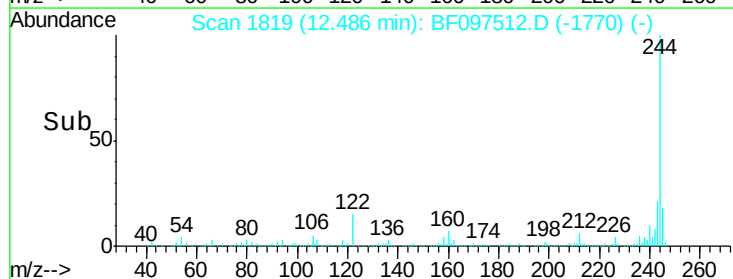
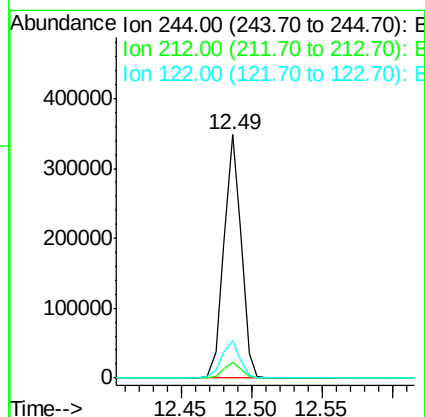
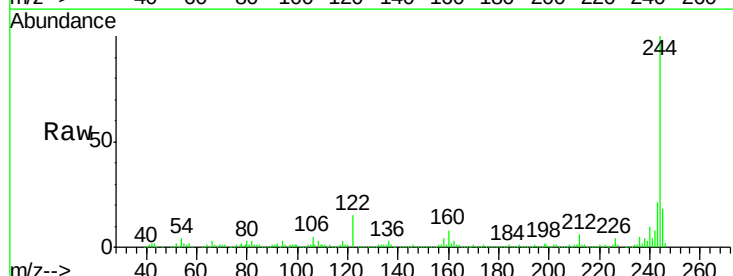
Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-BASERE

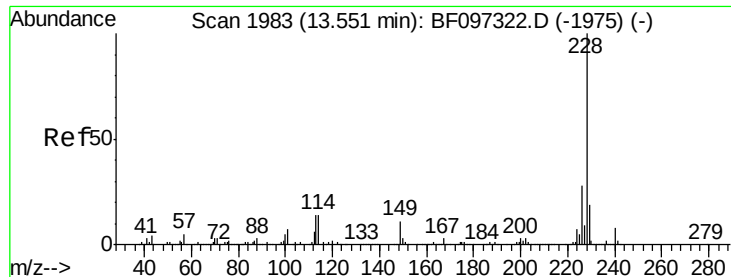
Tgt Ion: 202 Resp: 369675
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.6 26.4
 203 17.2 14.4 21.6



#78
 Terphenyl-d14
 Concen: 18.034 ng
 RT: 12.49 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Tgt Ion: 244 Resp: 295663
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 15.3 10.3 15.5





#80

Benzo(a)anthracene

Concen: 7.225 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

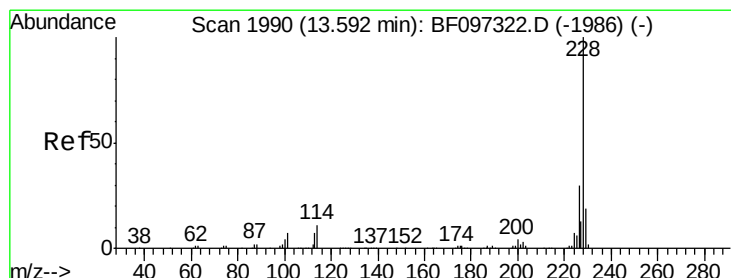
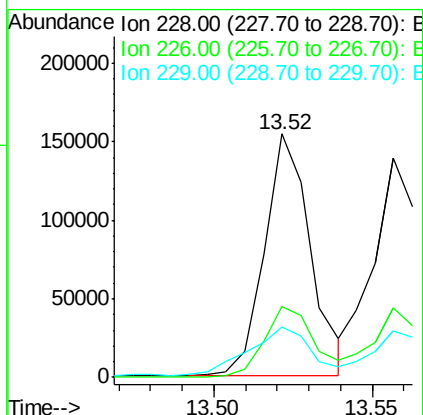
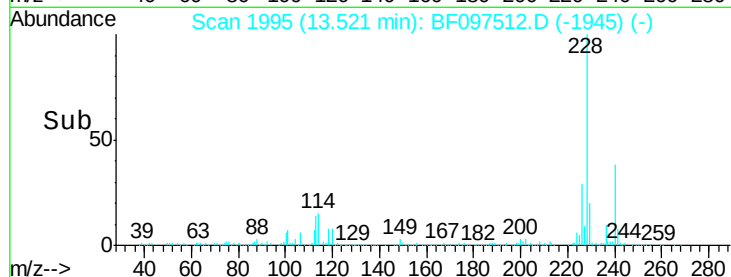
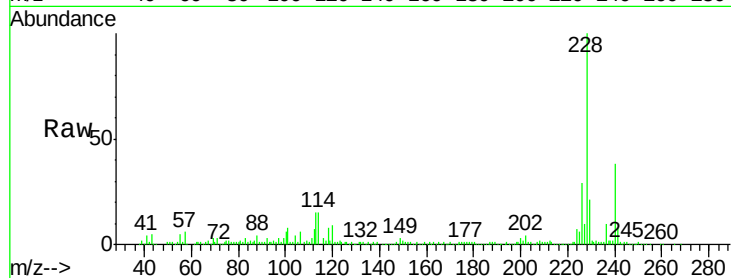
Instrument :

BNA_F

ClientSampleId :

E2-N9-BASERE

Tgt Ion:	228	Resp:	156269
Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.6	16.3	24.5



#82

Chrysene

Concen: 6.702 ng

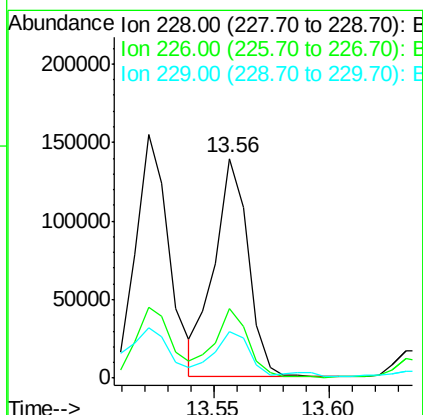
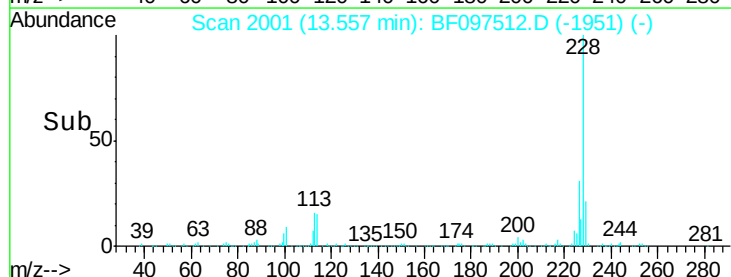
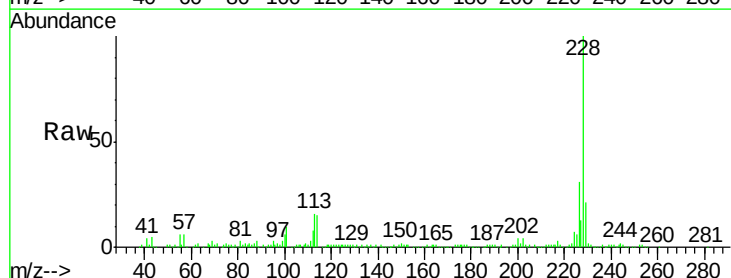
RT: 13.56 min Scan# 2001

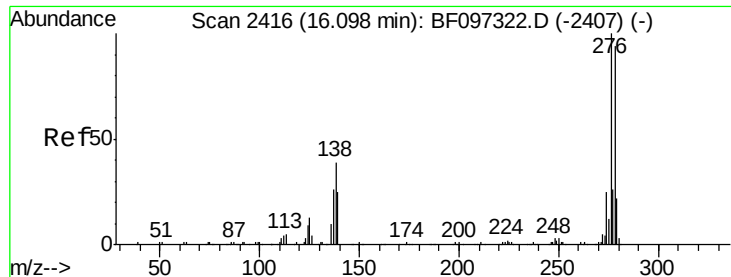
Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tgt Ion:	228	Resp:	141541
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	21.3	15.8	23.6

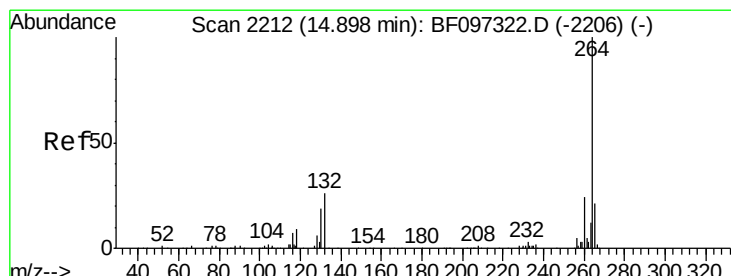
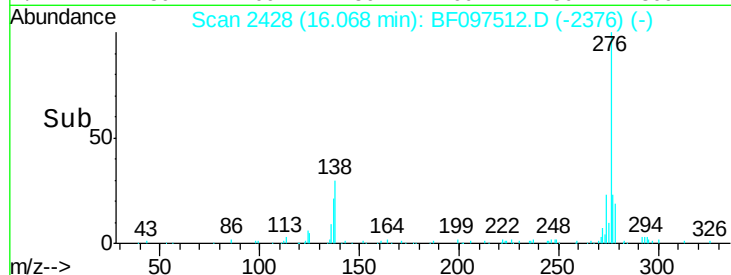
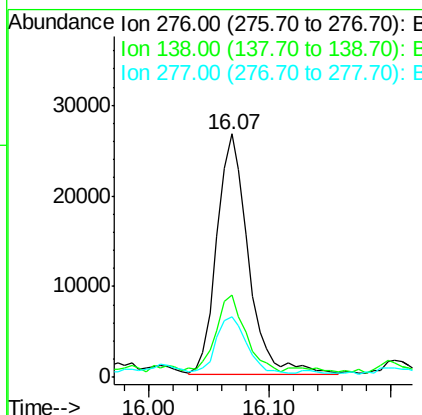
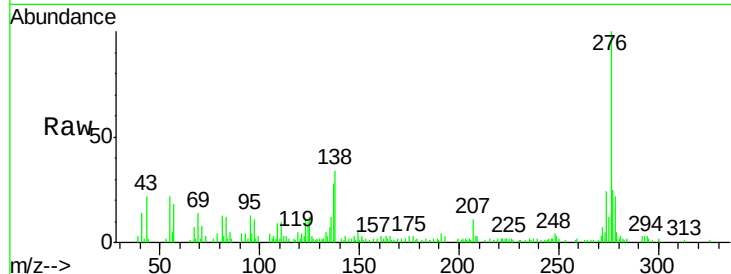




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.624 ng
 RT: 16.07 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

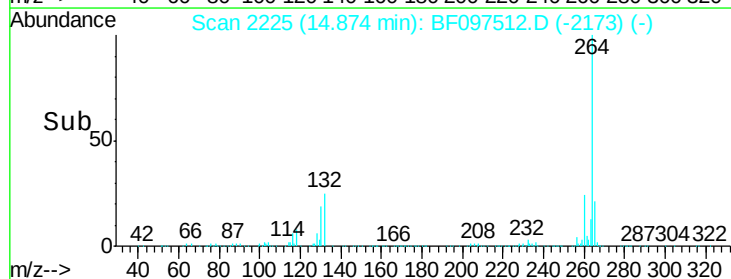
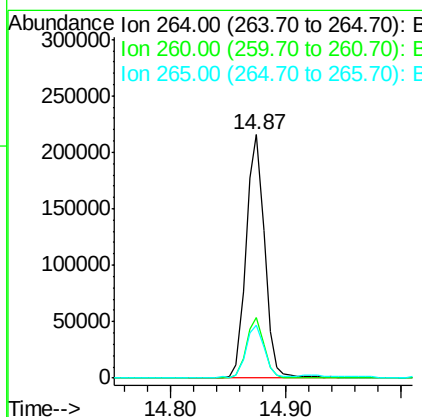
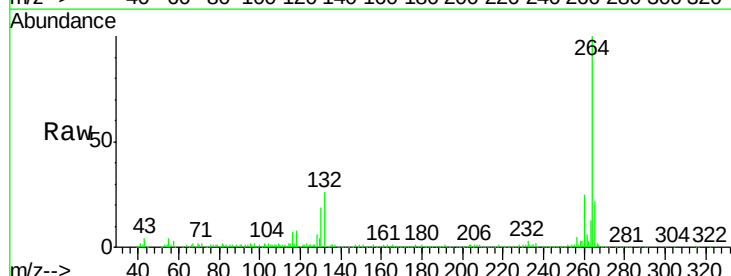
Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-BASERE

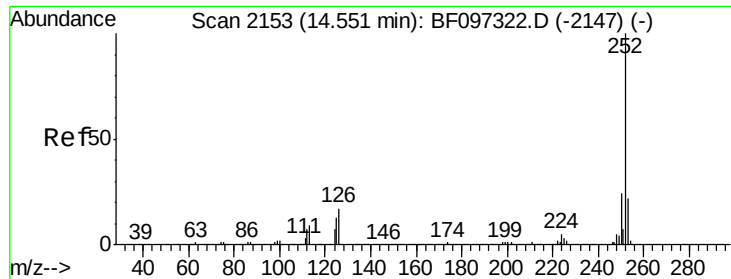
Tgt Ion: 276 Resp: 47521
 Ion Ratio Lower Upper
 276 100
 138 29.8 27.8 41.6
 277 24.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Tgt Ion: 264 Resp: 239583
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 21.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 13.141 ng

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

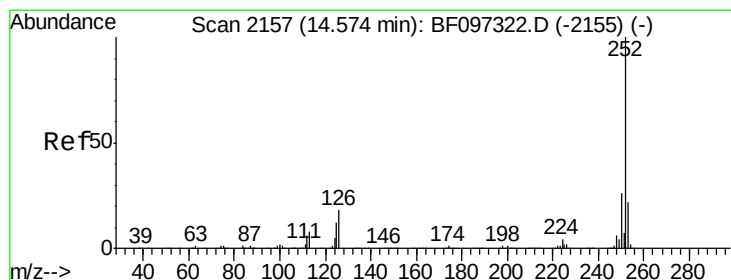
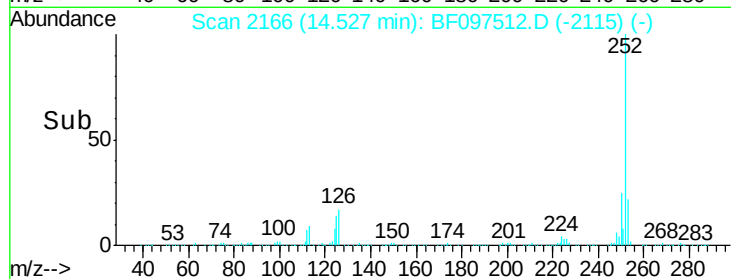
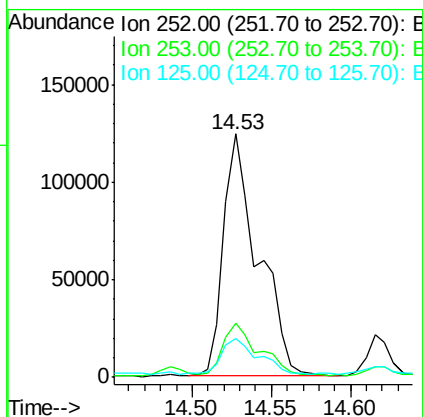
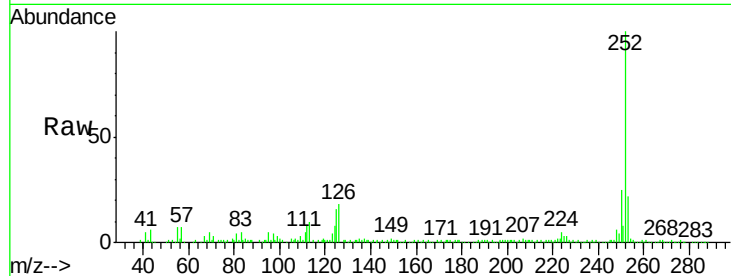
Instrument :

BNA_F

ClientSampleId :

E2-N9-BASERE

Tgt Ion:	252	Resp:	189255
Ion Ratio		Lower	Upper
252	100		
253	22.4	18.1	27.1
125	15.8	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 13.790 ng

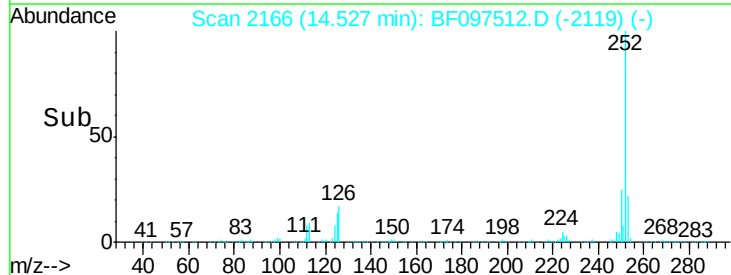
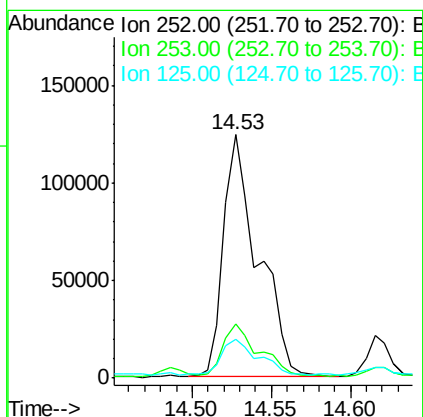
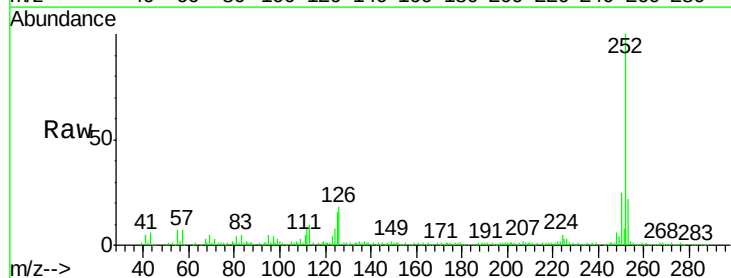
RT: 14.53 min Scan# 2166

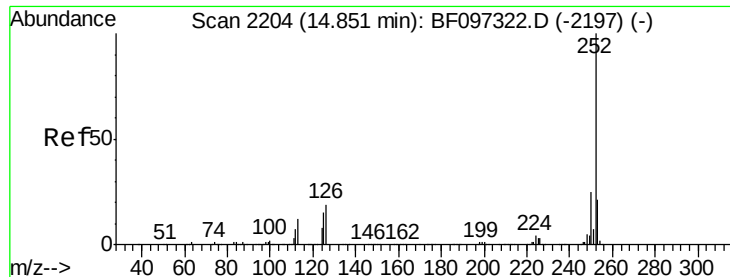
Delta R.T. -0.02 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tgt Ion:	252	Resp:	189255
Ion Ratio		Lower	Upper
252	100		
253	22.4	18.4	27.6
125	15.8	13.1	19.7





#89

Benzo(a)pyrene

Concen: 7.431 ng

RT: 14.83 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

ClientSampleId :

E2-N9-BASERE

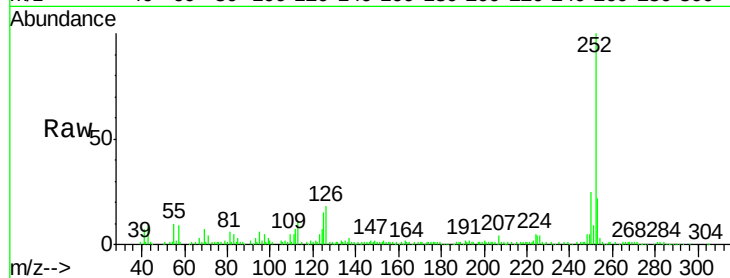
Tgt Ion:252 Resp: 97947

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

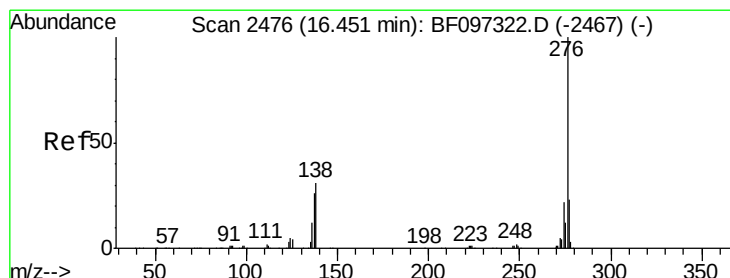
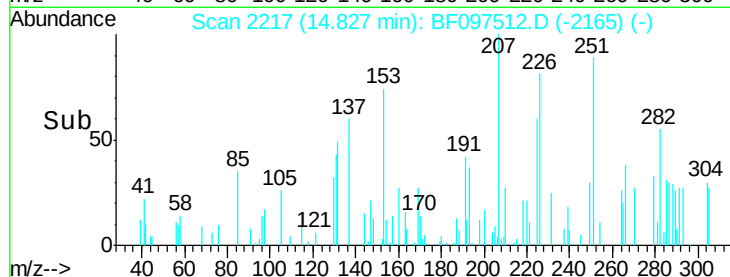
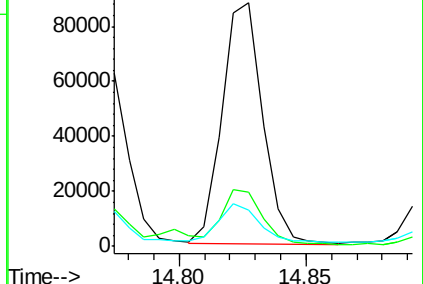
125 15.1 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.383 ng

RT: 16.42 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

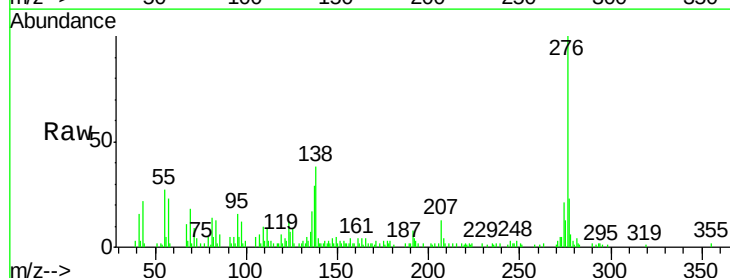
Tgt Ion:276 Resp: 49683

Ion Ratio Lower Upper

276 100

277 22.6 18.6 28.0

138 37.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

