

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097534.D
 Acq On : 9 Aug 2017 23:52
 Operator : SJ/JU
 Sample : I4658-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-BASE

Quant Time: Aug 10 01:10:52 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	130764	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	539797	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	237574	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	387543	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	241811	20.00	ng	-0.02
86) Perylene-d12	14.86	264	201272	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	706060	81.40	ng	-0.02
7) Phenol-d6	6.07	99	933633	94.28	ng	-0.02
23) Nitrobenzene-d5	6.97	82	535613	58.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	162070	86.34	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	815656	58.27	ng	-0.02
78) Terphenyl-d14	12.48	244	547539	46.17	ng	-0.02

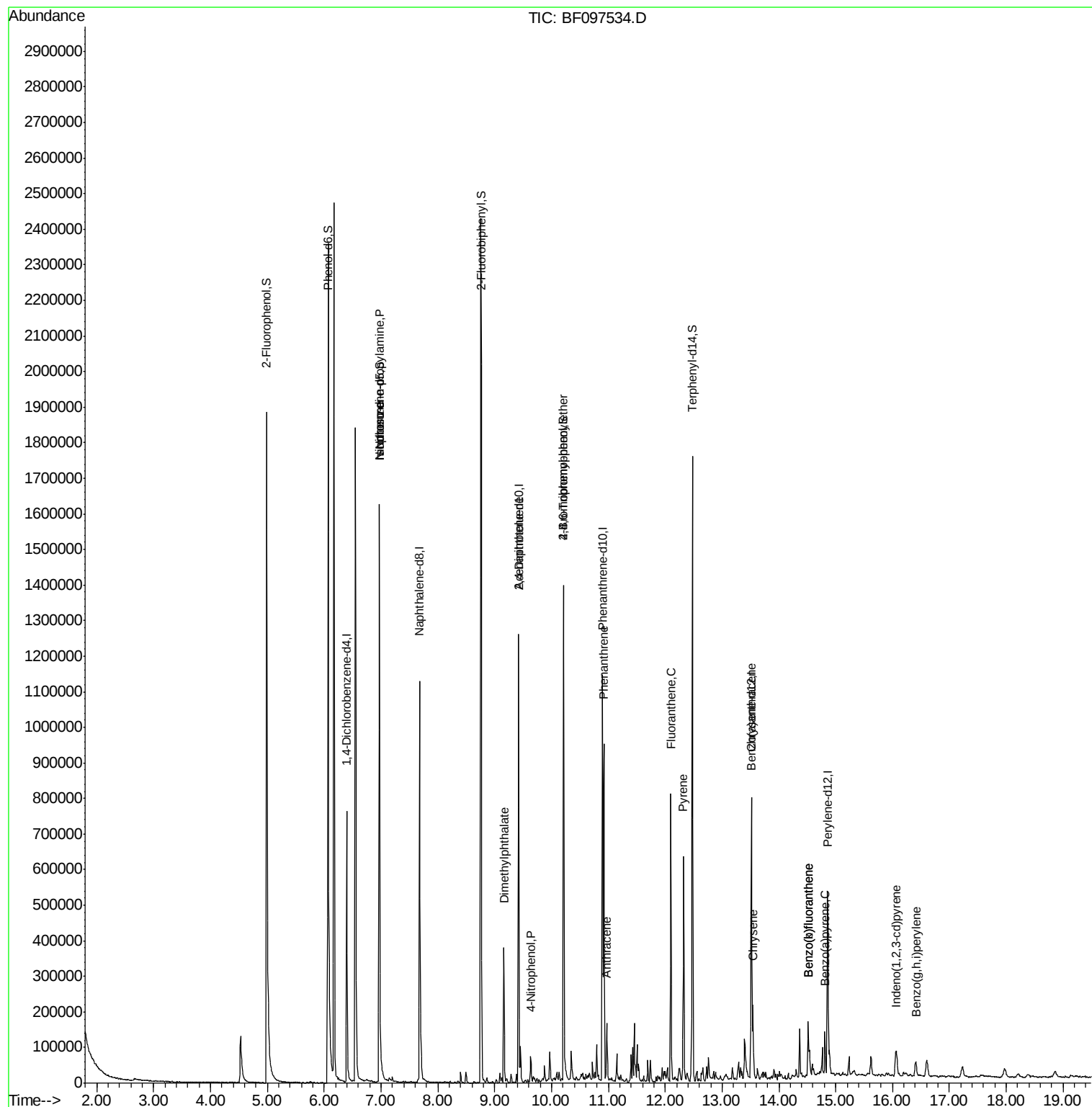
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.97	70	70660	10.84	ng	# 85
25) Isophorone	6.97	82	535608	29.72	ng	# 67
49) Dimethylphthalate	9.16	163	154878	8.58	ng	99
55) 4-Nitrophenol	9.63	139	10179	3.60	ng	# 25
56) 2,4-Dinitrotoluene	9.42	165	30684	6.98	ng	# 33
66) 4-Bromophenyl-phenylether	10.21	248	10367	2.68	ng	# 1
70) Phenanthrene	10.92	178	356800	17.18	ng	99
71) Anthracene	10.97	178	57871	2.72	ng	97
74) Fluoranthene	12.10	202	332606	16.35	ng	98
77) Pyrene	12.33	202	253092	12.78	ng	97
80) Benzo(a)anthracene	13.51	228	75066	4.80	ng	96
82) Chrysene	13.54	228	74242	4.86	ng	98
85) Indeno(1,2,3-cd)pyrene	16.05	276	32735	2.50	ng	98
87) Benzo(b)fluoranthene	14.52	252	90089	7.45	ng	98
88) Benzo(k)fluoranthene	14.52	252	90089	7.81	ng	97
89) Benzo(a)pyrene	14.82	252	51286	4.63	ng	98
91) Benzo(g,h,i)perylene	16.41	276	28424	2.98	ng	96

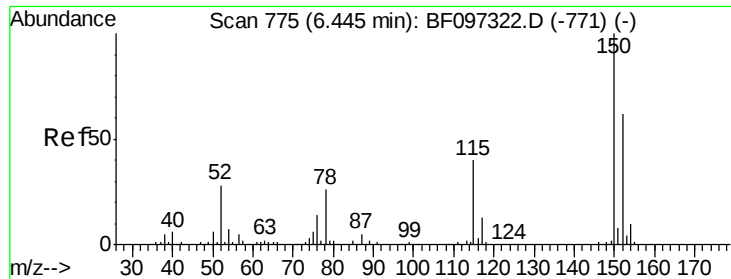
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF097534.D

Acq: 9 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

E2-L9-BASE

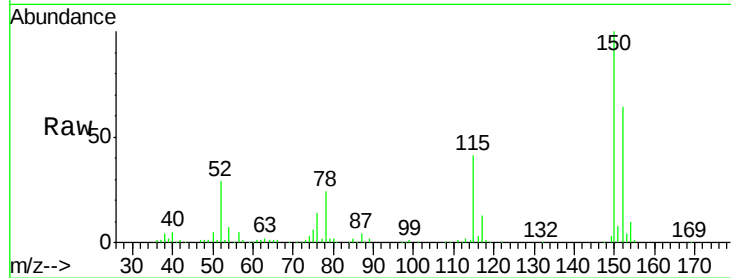
Tot Ion:152 Resp: 130764

Ion Ratio Lower Upper

152 100

150 156.7 126.2 189.2

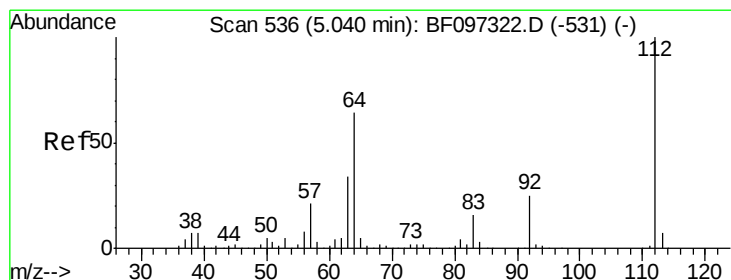
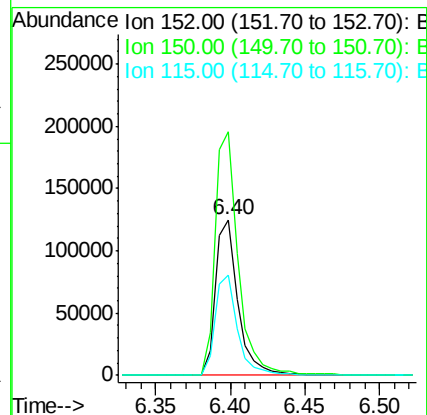
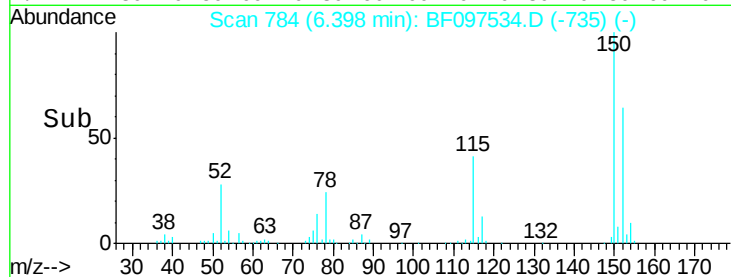
115 64.3 52.2 78.2



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: 81.40 ng

RT: 4.99 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

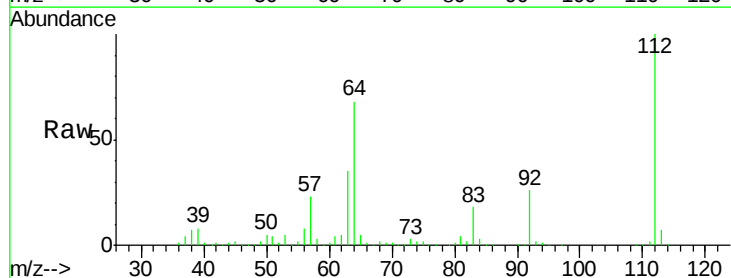
Tgt Ion:112 Resp: 706060

Ion Ratio Lower Upper

112 100

64 68.4 46.0 69.0

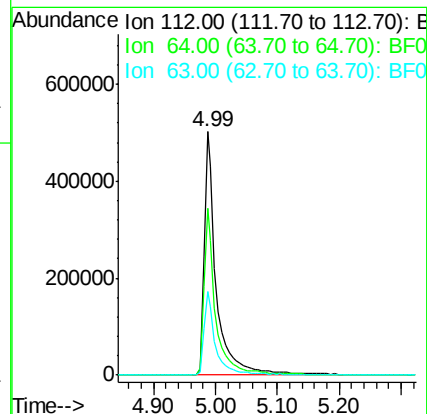
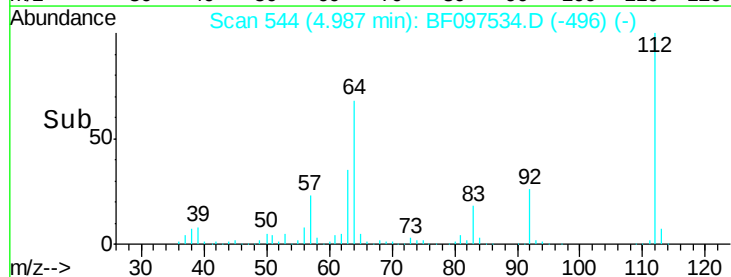
63 34.6 23.4 35.0

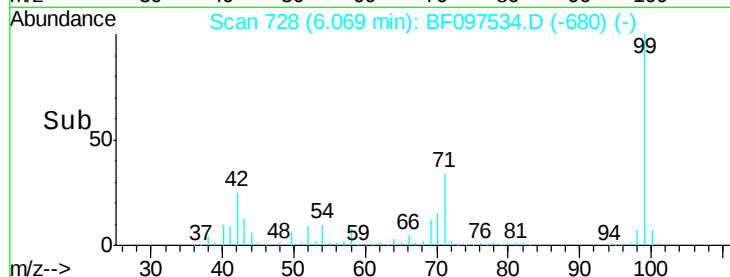
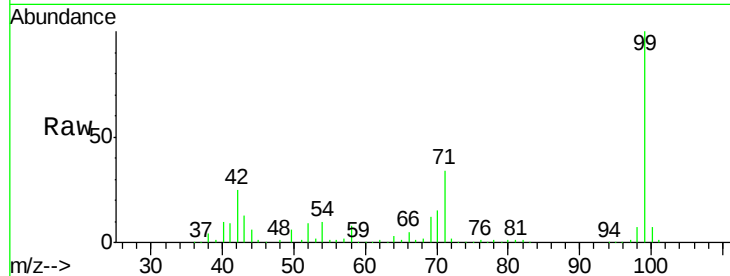


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.28 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

E2-L9-BASE

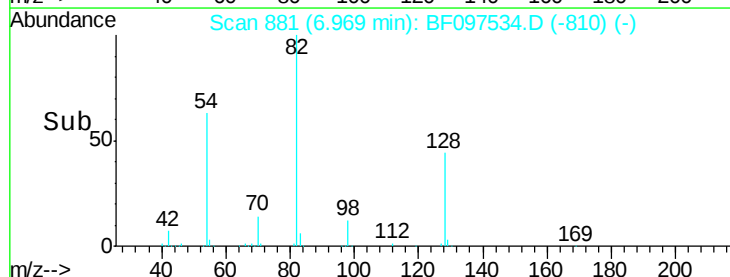
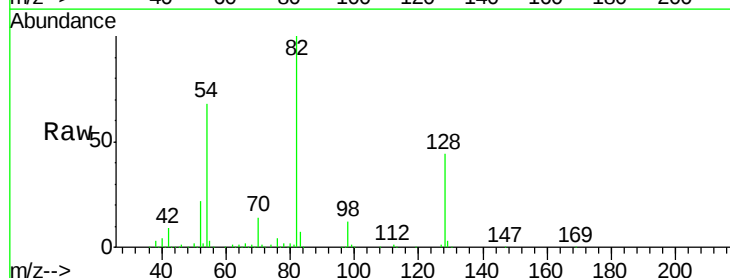
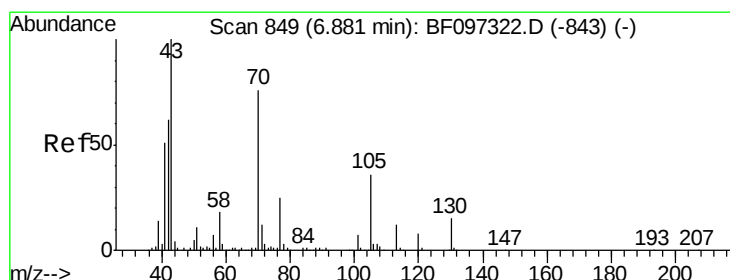
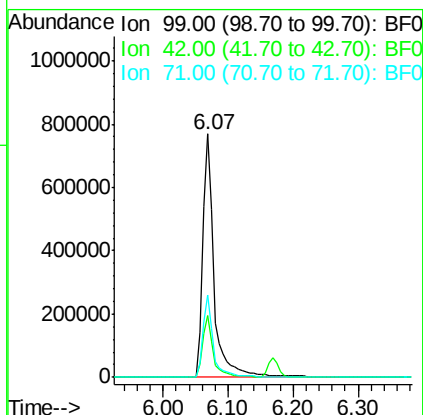
Tot Ion: 99 Resp: 933633

Ion Ratio Lower Upper

99 100

42 25.4 13.5 20.3#

71 33.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.84 ng

RT: 6.97 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

Tgt Ion: 70 Resp: 70660

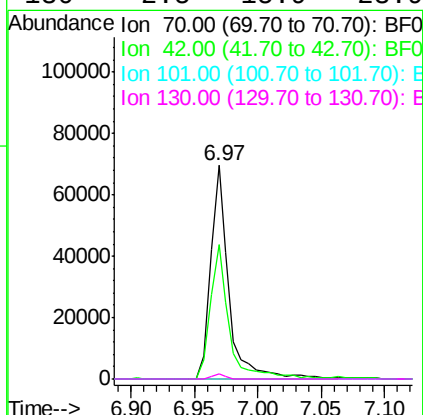
Ion Ratio Lower Upper

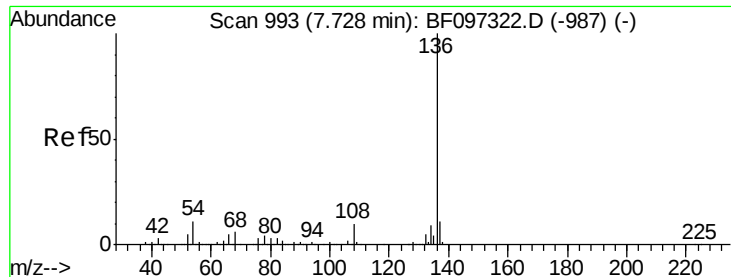
70 100

42 63.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

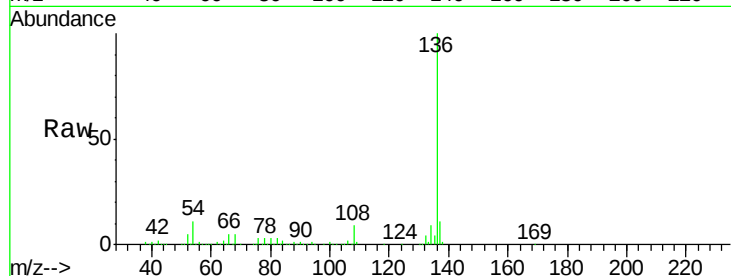




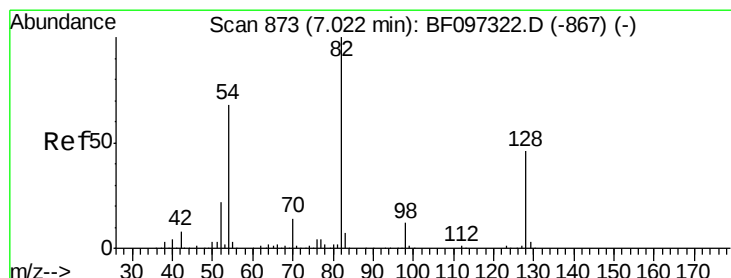
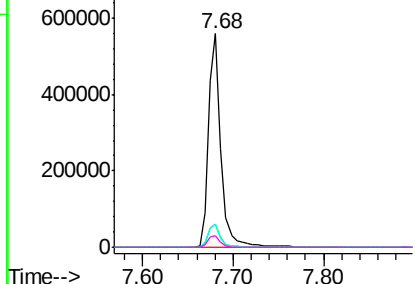
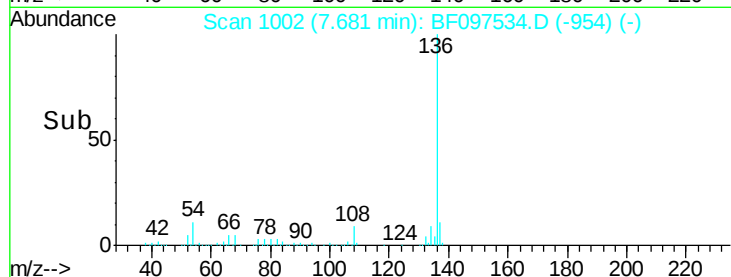
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.68 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF097534.D
Acq: 9 Aug 2017 23:52

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE

Tot Ion:136	Resp:	539797
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	10.6	4.9 7.3#
68	5.4	4.1 6.1

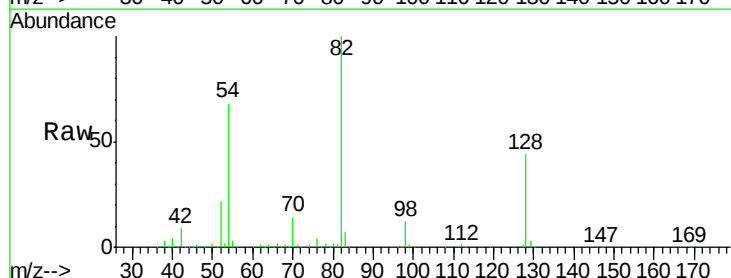


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

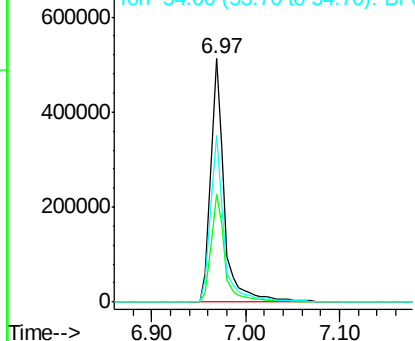
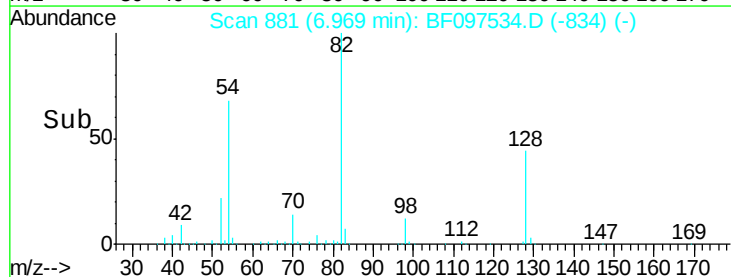


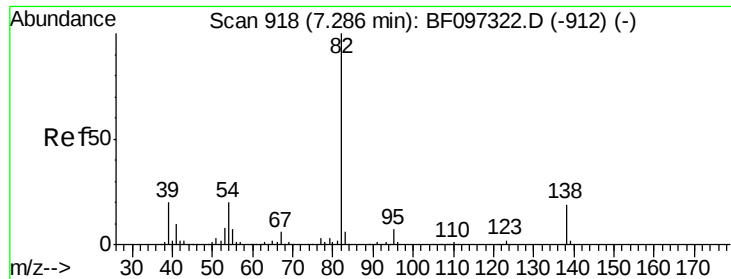
#23
Nitrobenzene-d5
Concen: 58.21 ng
RT: 6.97 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF097534.D
Acq: 9 Aug 2017 23:52

Tgt Ion: 82	Resp:	535613
Ion Ratio	Lower	Upper
82	100	
128	44.2	34.0 51.0
54	68.5	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





#25

Isophorone

Concen: 29.72 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

E2-L9-BASE

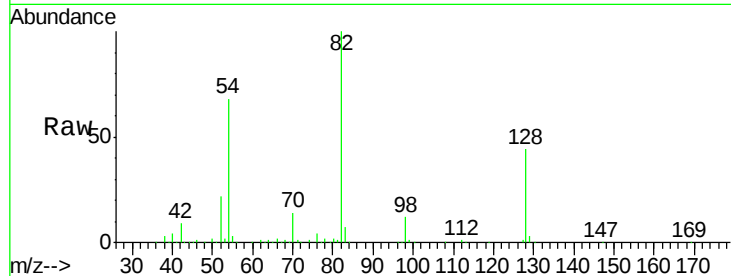
Tot Ion: 82 Resp: 535608

Ion Ratio Lower Upper

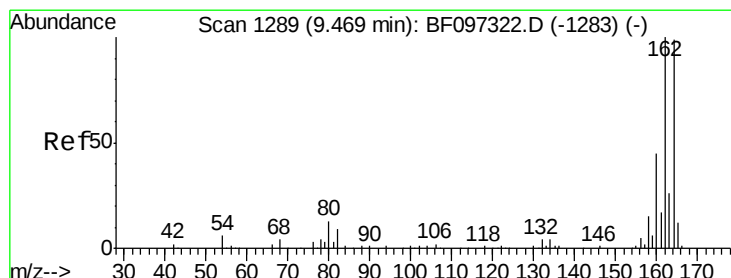
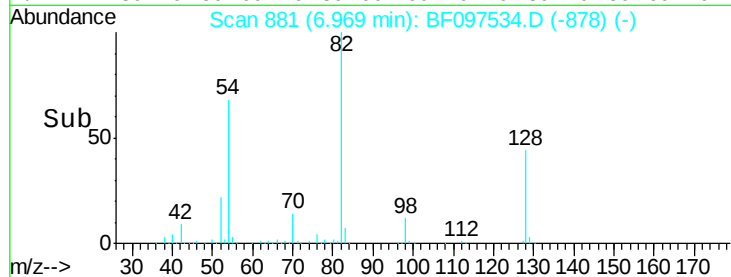
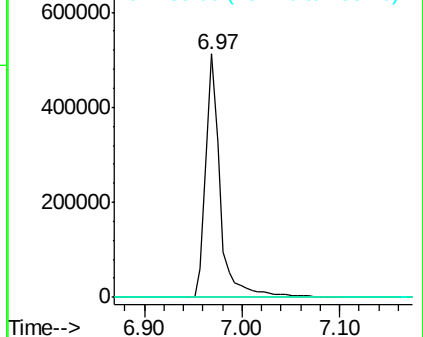
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

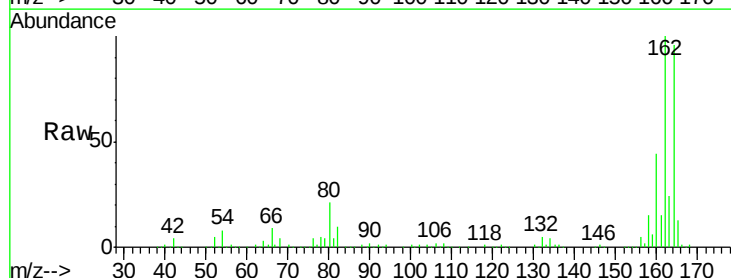
Tgt Ion:164 Resp: 237574

Ion Ratio Lower Upper

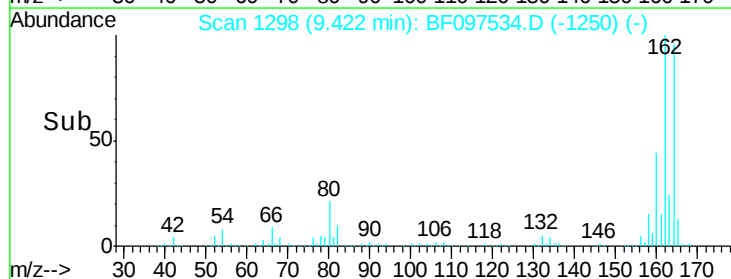
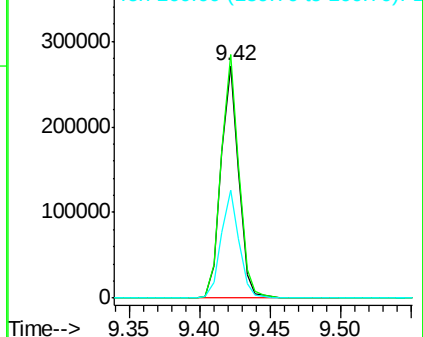
164 100

162 104.6 82.6 123.8

160 46.5 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

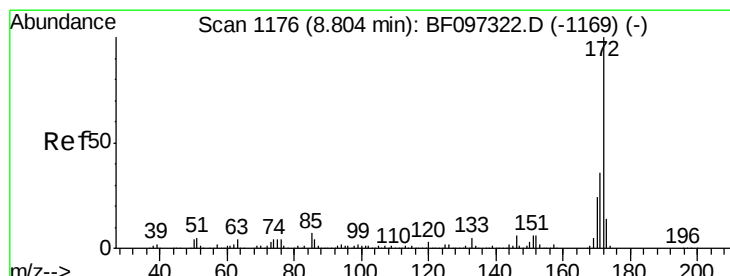
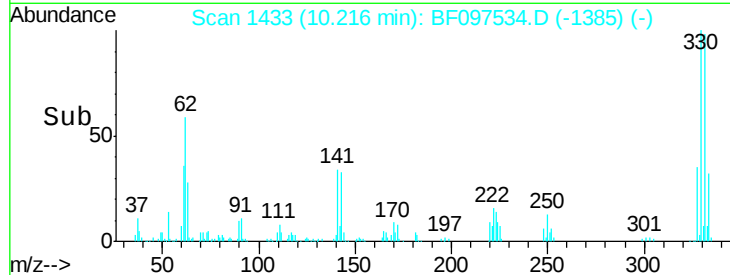
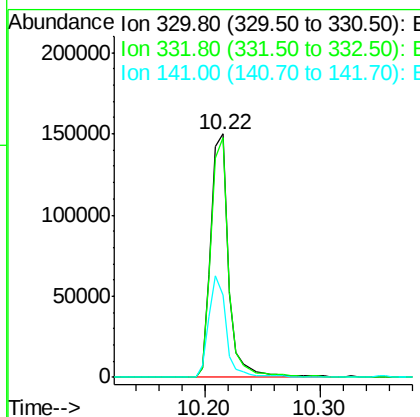
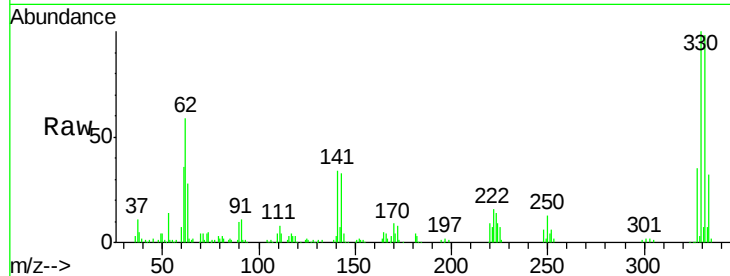




#41
 2,4,6-Tribromophenol
 Concen: 86.34 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

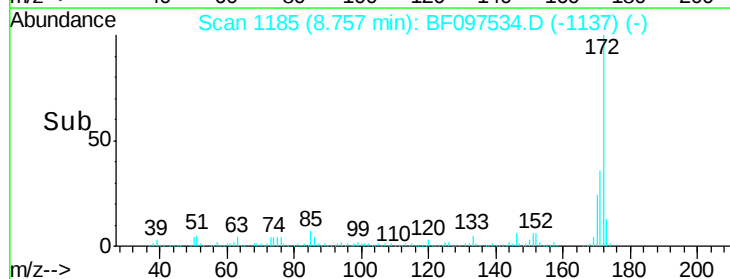
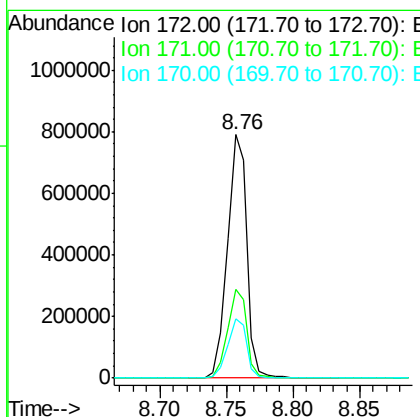
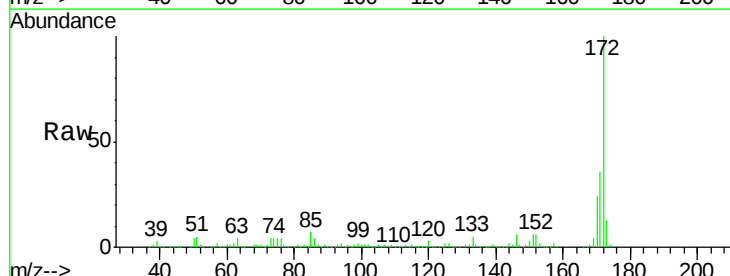
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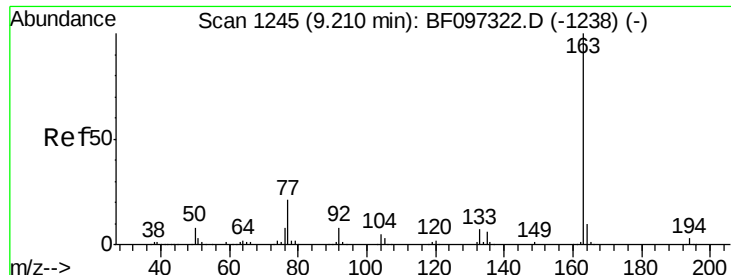
Tot Ion:330 Resp: 162070
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 41.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 58.27 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

Tgt Ion:172 Resp: 815656
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.4 19.8 29.8

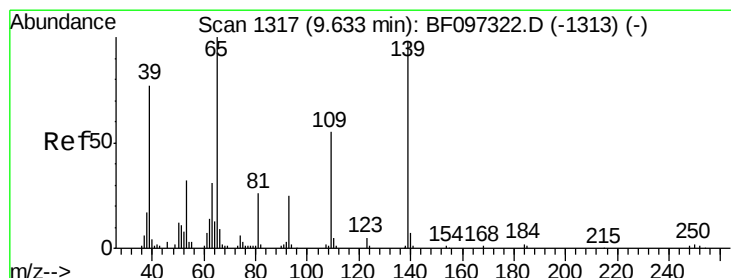
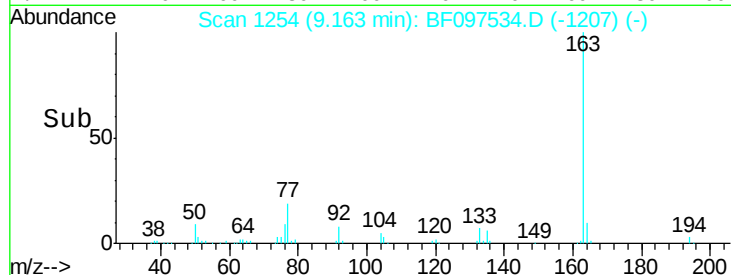
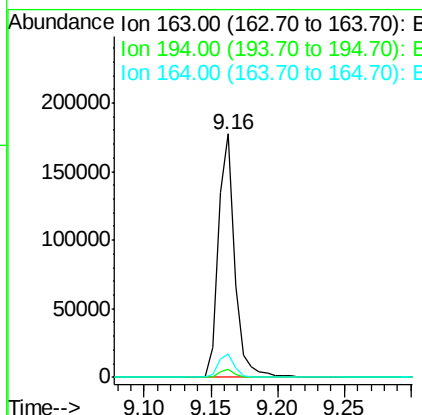
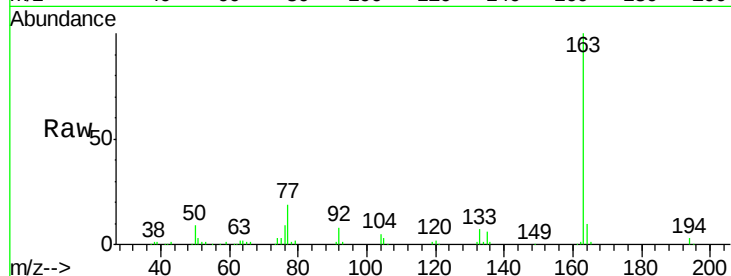




#49
Dimethylphthalate
Concen: 8.58 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097534.D
Acq: 9 Aug 2017 23:52

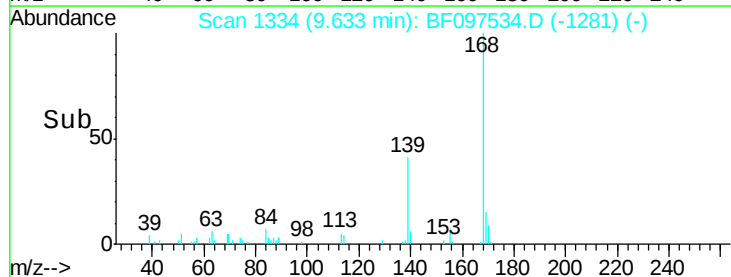
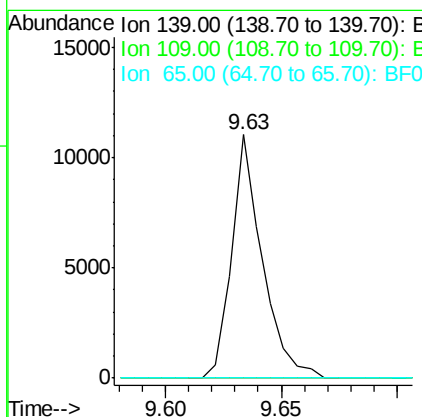
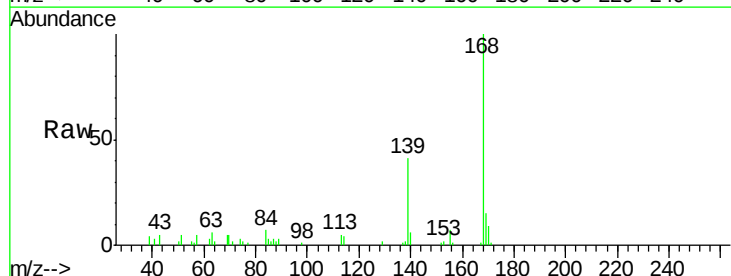
Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE

Tot Ion:163 Resp: 154878
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 9.9 8.4 12.6



#55
4-Nitrophenol
Concen: 3.60 ng
RT: 9.63 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF097534.D
Acq: 9 Aug 2017 23:52

Tgt Ion:139 Resp: 10179
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

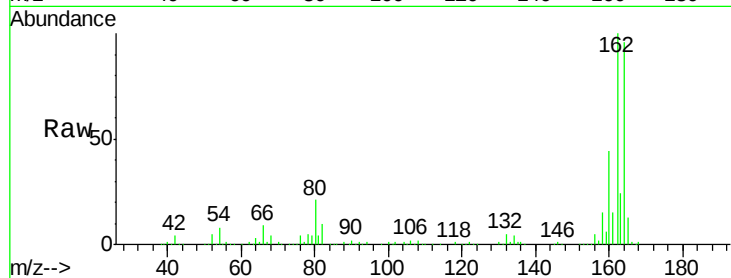




#56
 2,4-Dinitrotoluene
 Concen: 6.98 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.24 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-BASE

Tot Ion:	165	Resp:	30684
Ion	Ratio	Lower	Upper
165	100		
63	2.1	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#

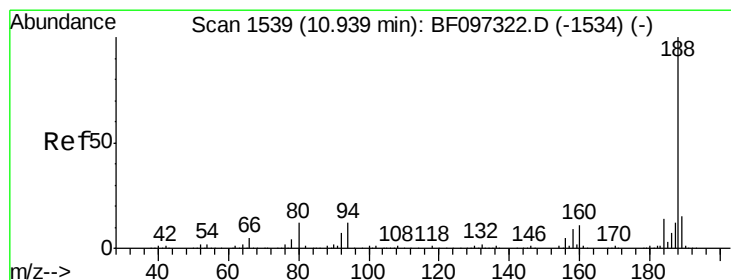
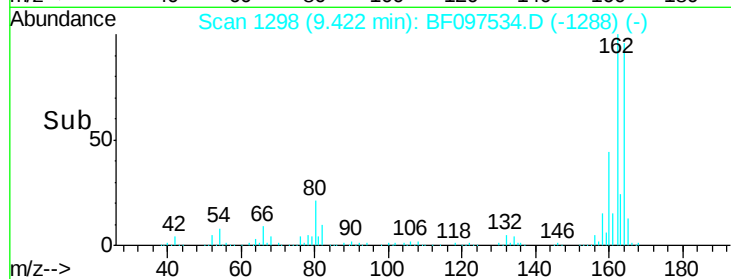
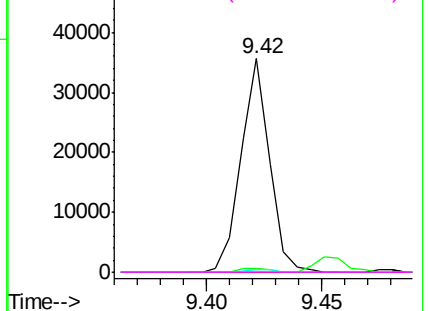


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

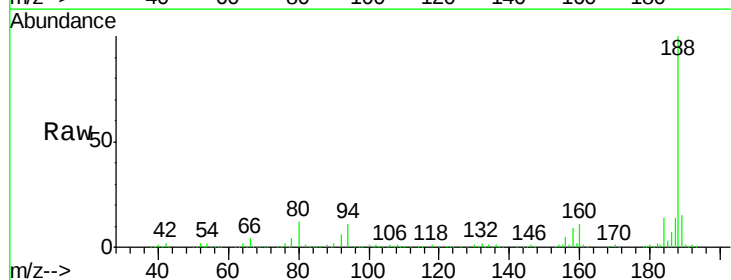
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

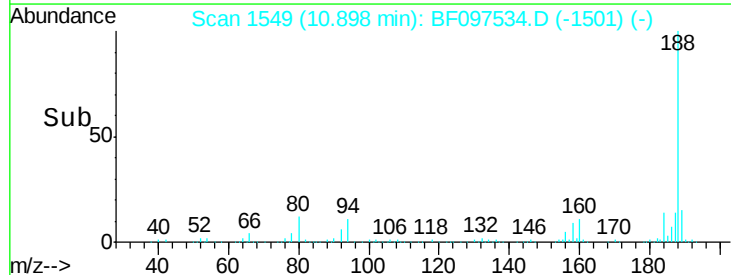
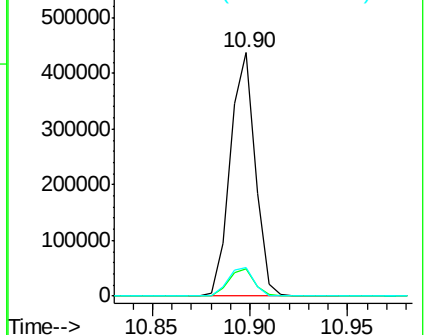
Tgt Ion:	188	Resp:	387543
Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	12.0	10.2	15.2

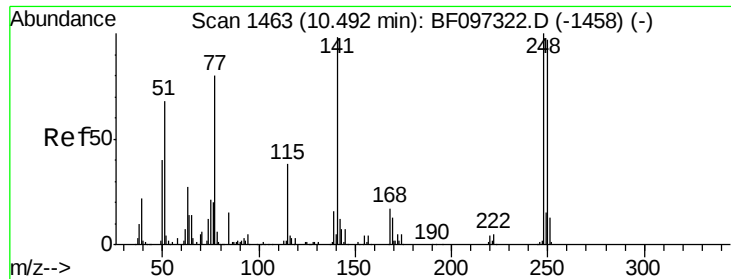


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

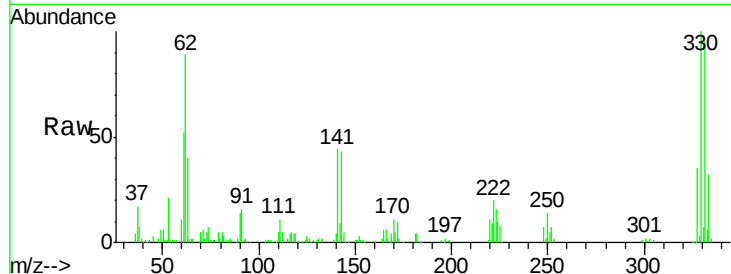




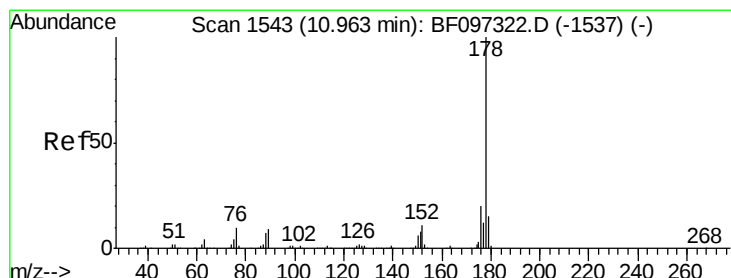
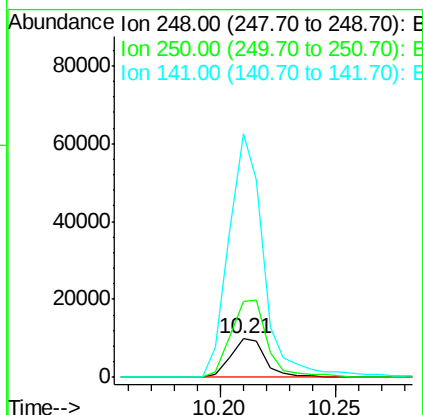
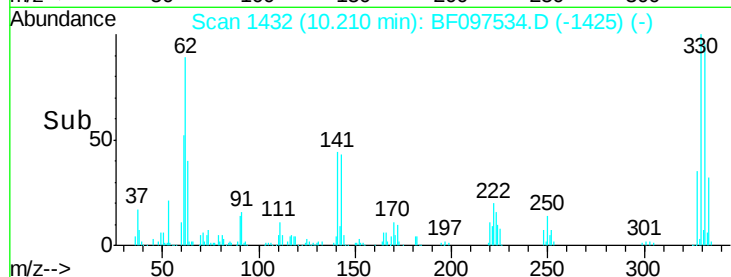
#66
 4-Bromophenyl-phenylether
 Concen: 2.68 ng
 RT: 10.21 min Scan# 1432
 Delta R.T. -0.26 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-BASE

Tot Ion:248 Resp: 10367
 Ion Ratio Lower Upper
 248 100
 250 197.2 76.8 115.2#
 141 631.7 68.6 103.0#

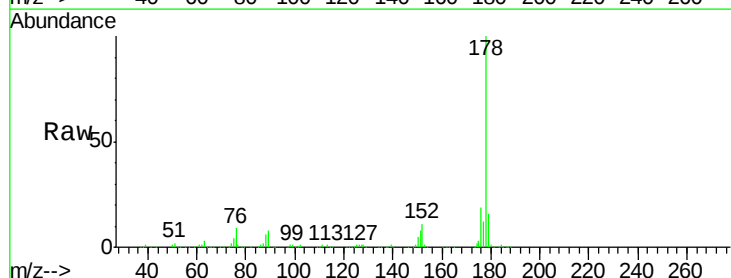


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

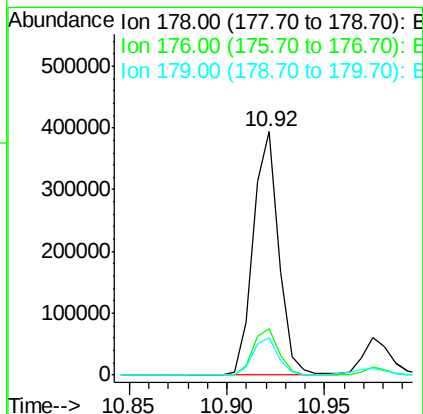
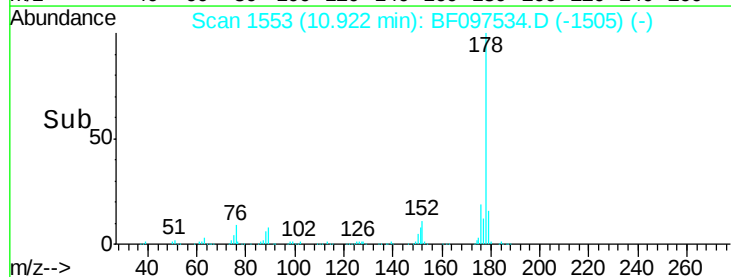


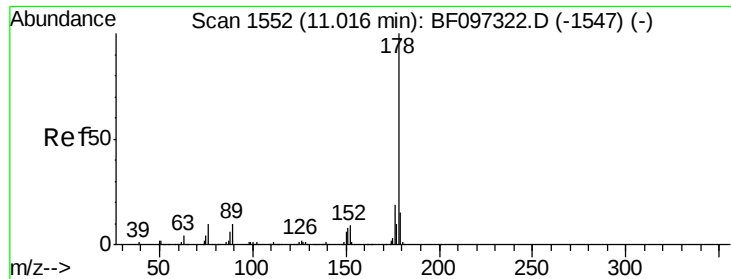
#70
 Phenanthrene
 Concen: 17.18 ng
 RT: 10.92 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

Tgt Ion:178 Resp: 356800
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

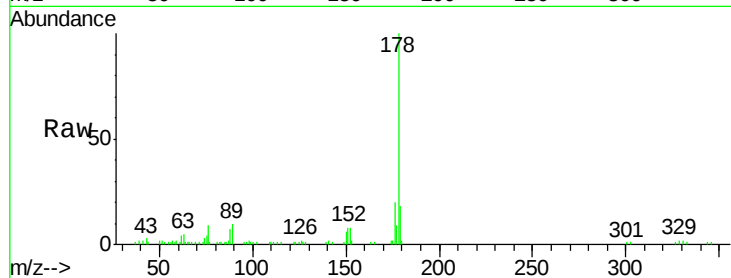




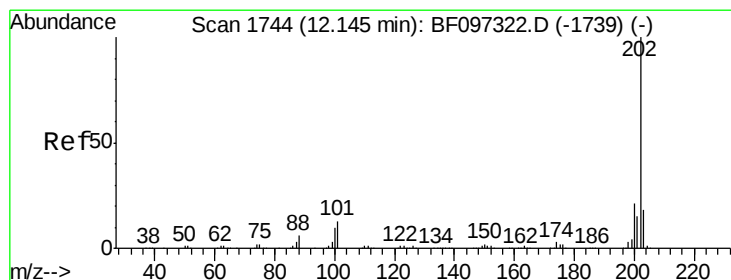
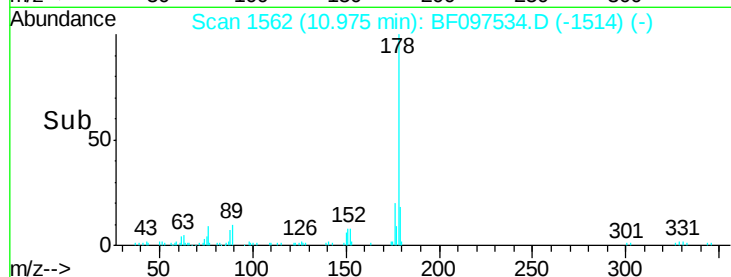
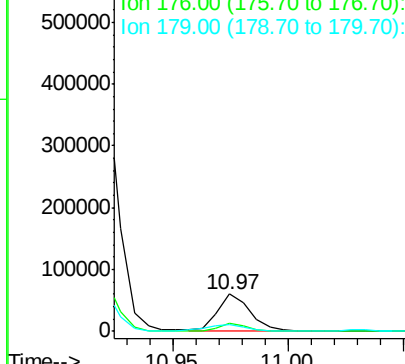
#71
 Anthracene
 Concen: 2.72 ng
 RT: 10.97 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-BASE

Tot Ion:178 Resp: 57871
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.8 23.8
 179 18.0 12.7 19.1

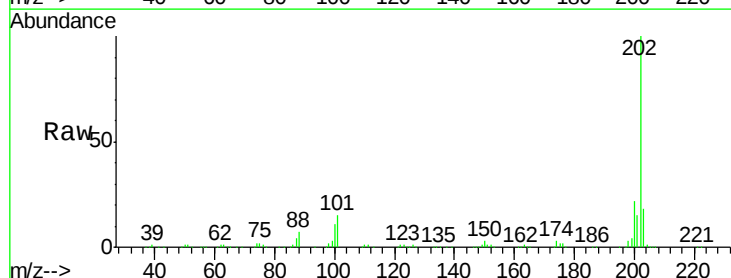


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

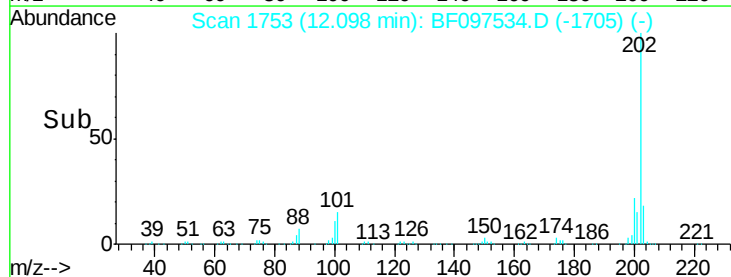
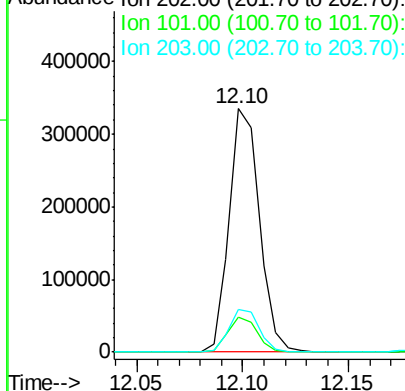


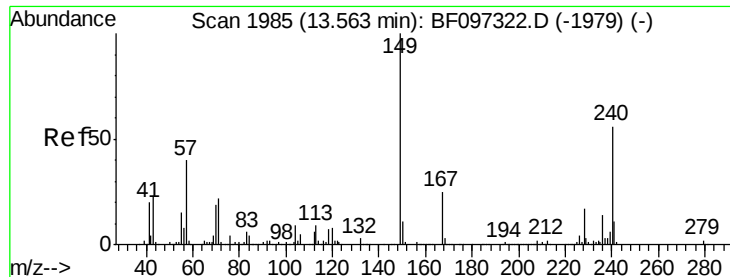
#74
 Fluoranthene
 Concen: 16.35 ng
 RT: 12.10 min Scan# 1753
 Delta R.T. -0.02 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

Tgt Ion:202 Resp: 332606
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 33.2
 203 17.6 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: BF097534.D

Acq: 9 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

E2-L9-BASE

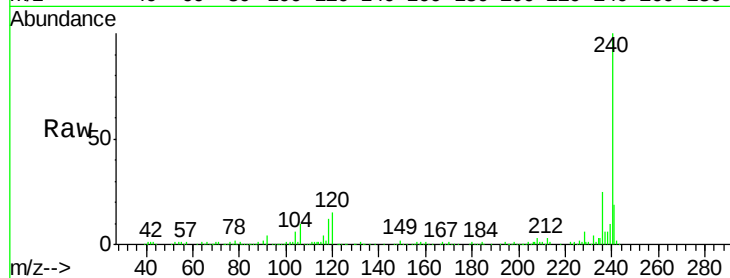
Tot Ion:240 Resp: 241811

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

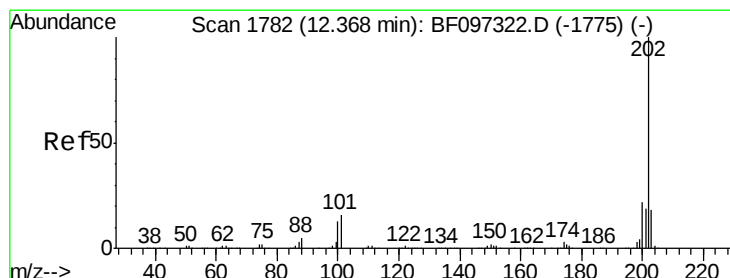
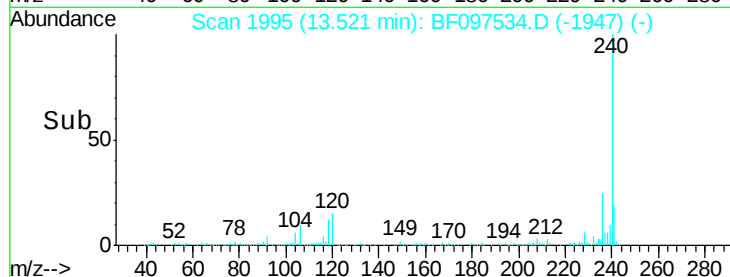
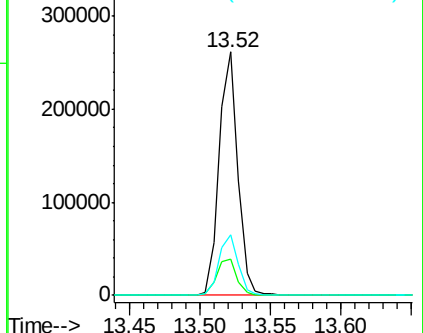
236 24.8 20.5 30.7



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: 12.78 ng

RT: 12.33 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

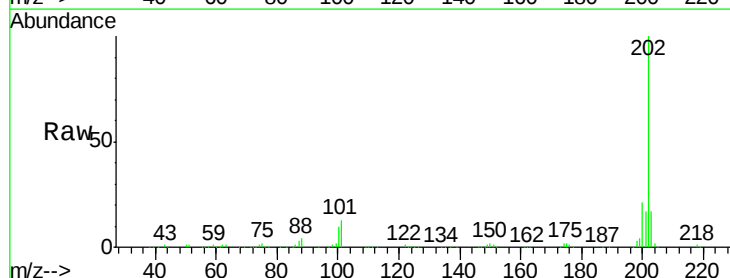
Tgt Ion:202 Resp: 253092

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

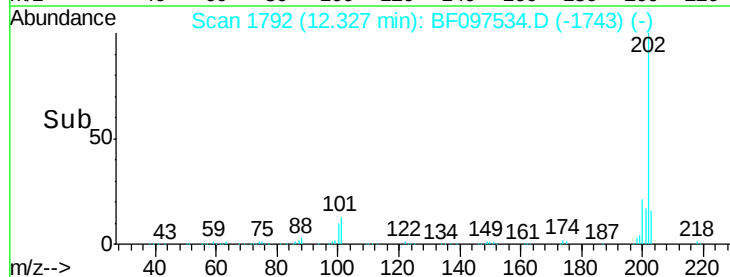
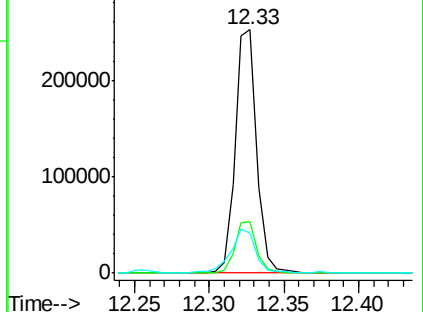
203 16.6 14.4 21.6

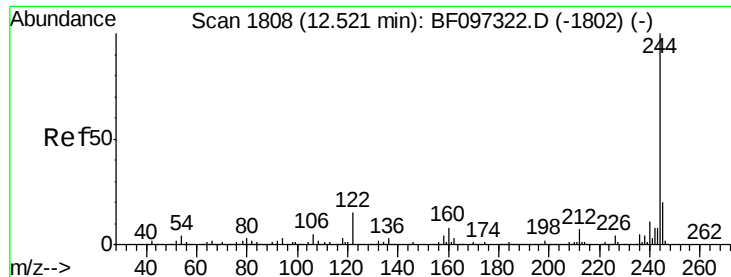


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.17 ng

RT: 12.48 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

E2-L9-BASE

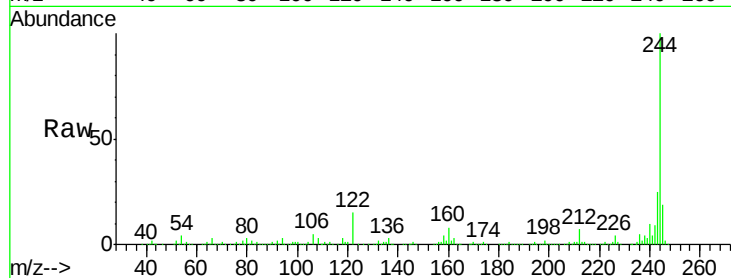
Tot Ion:244 Resp: 547539

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

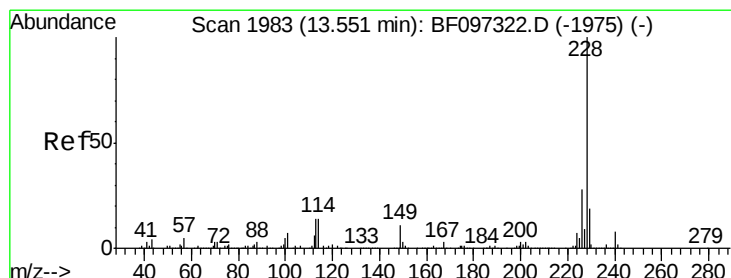
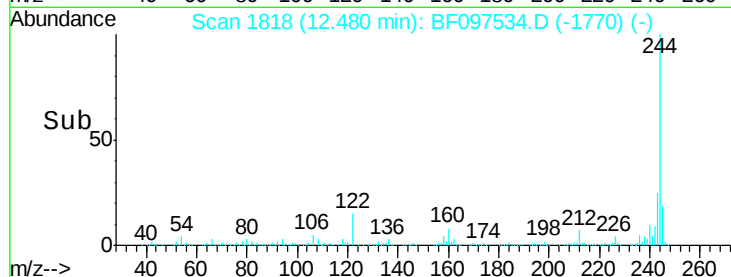
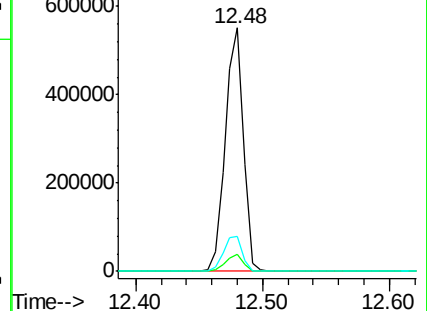
122 14.6 10.3 15.5



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: 4.80 ng

RT: 13.51 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

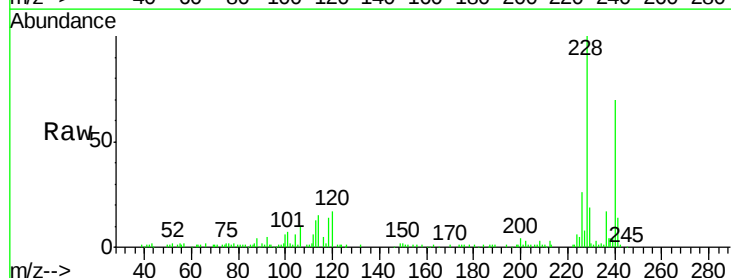
Tgt Ion:228 Resp: 75066

Ion Ratio Lower Upper

228 100

226 26.0 22.6 33.8

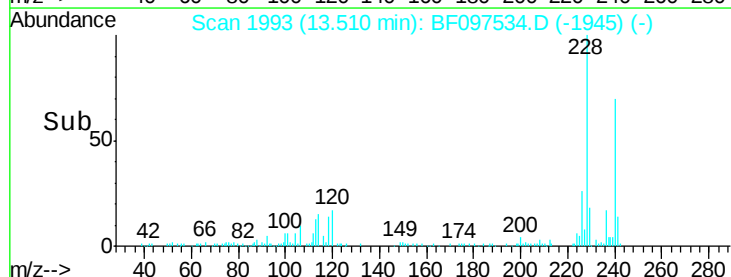
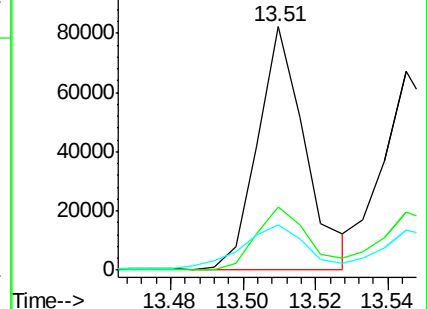
229 18.6 16.3 24.5

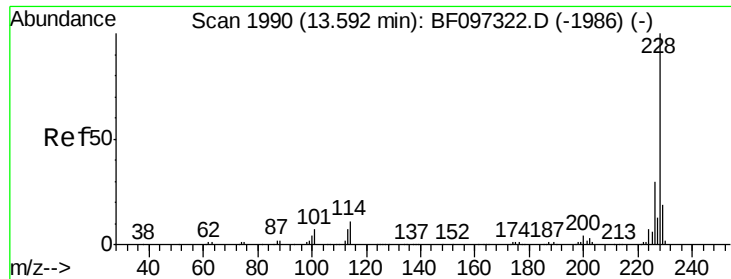


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.86 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

E2-L9-BASE

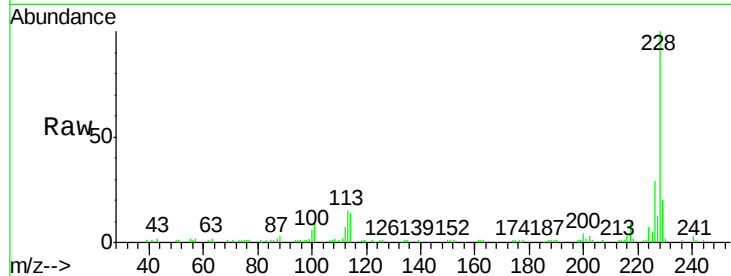
Tot Ion:228 Resp: 74242

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

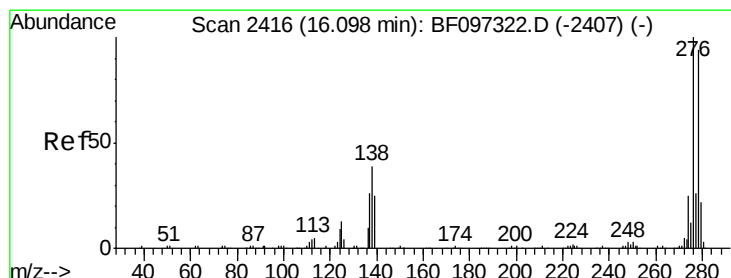
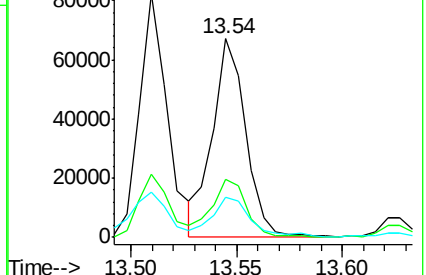
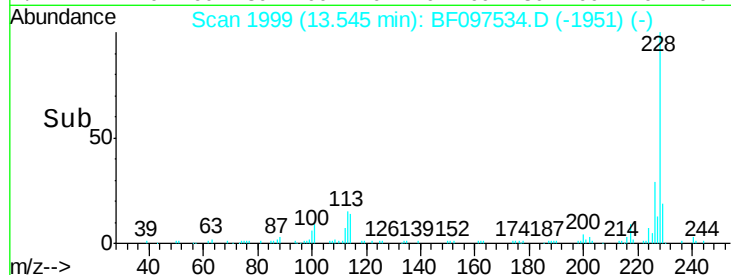
229 19.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.50 ng

RT: 16.05 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BF097534.D

Acq: 9 Aug 2017 23:52

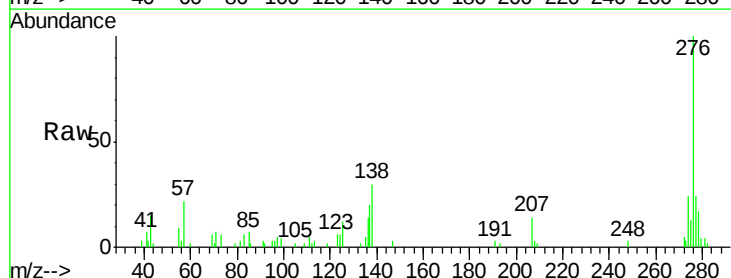
Tgt Ion:276 Resp: 32735

Ion Ratio Lower Upper

276 100

138 34.2 27.8 41.6

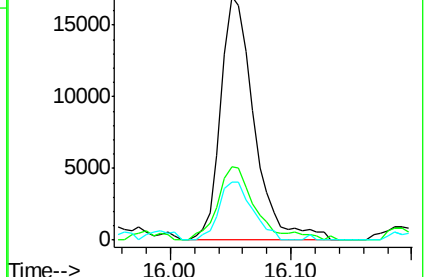
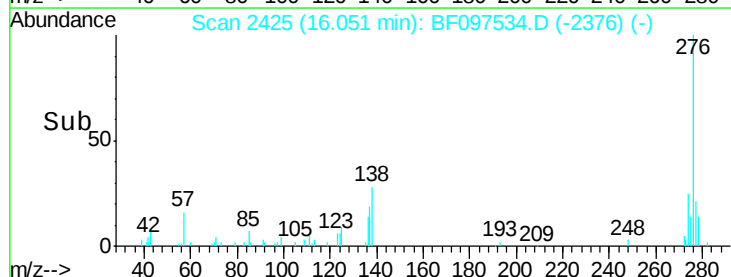
277 23.9 20.2 30.4

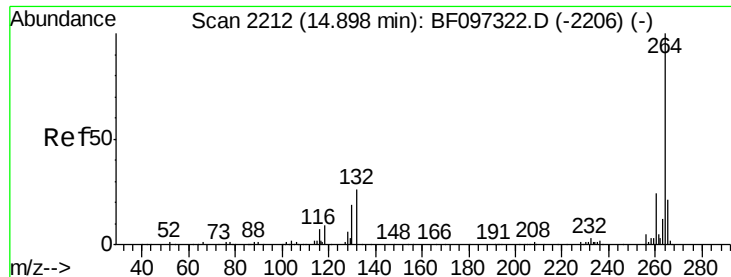


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

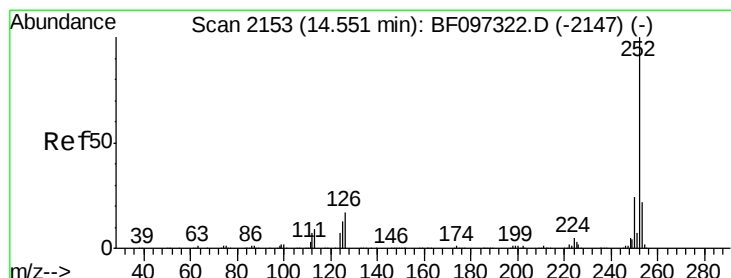
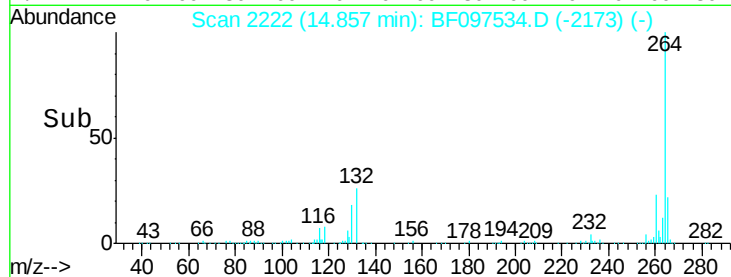
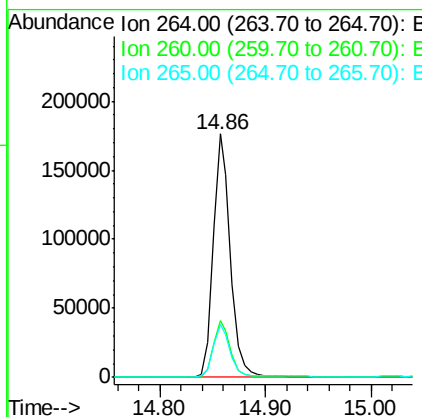
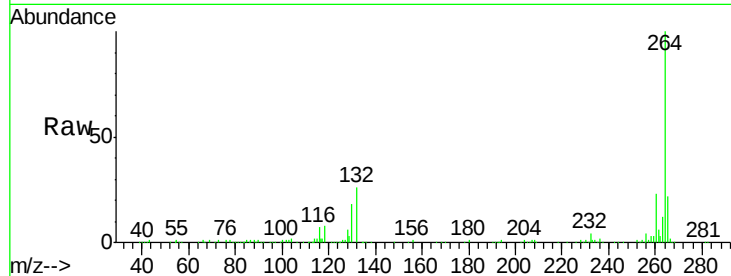




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097534.D
Acq: 9 Aug 2017 23:52

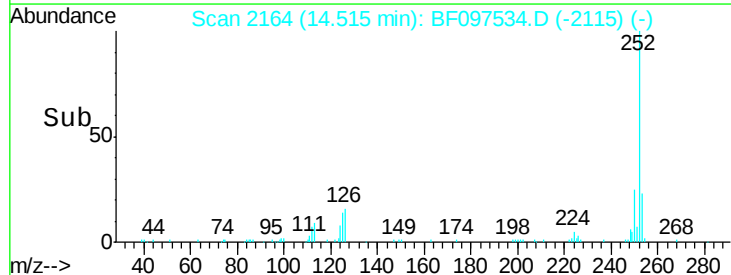
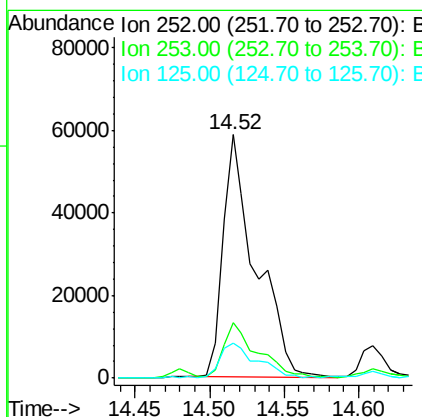
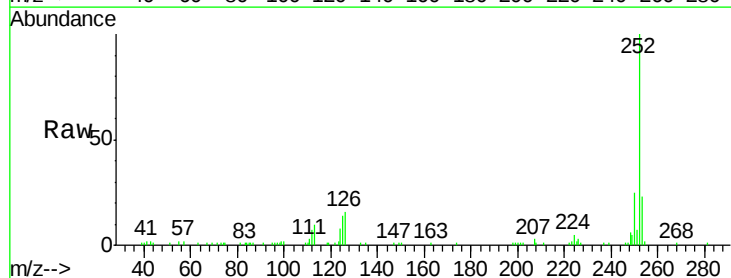
Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE

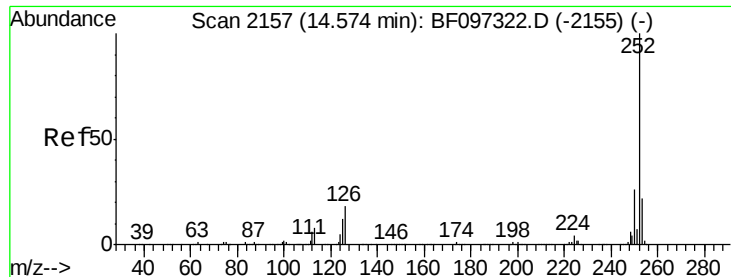
Tot Ion:264 Resp: 201272
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 21.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.45 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097534.D
Acq: 9 Aug 2017 23:52

Tgt Ion:252 Resp: 90089
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 14.2 9.8 14.8

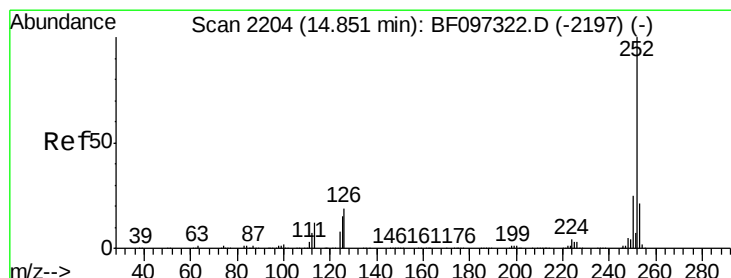
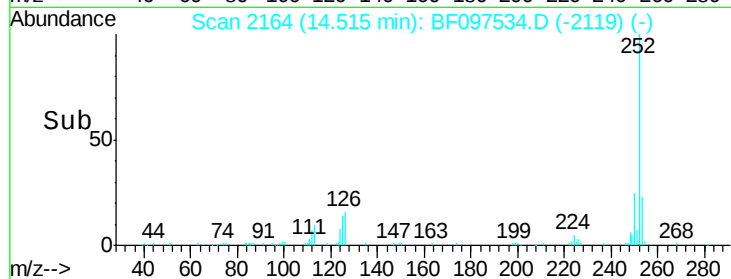
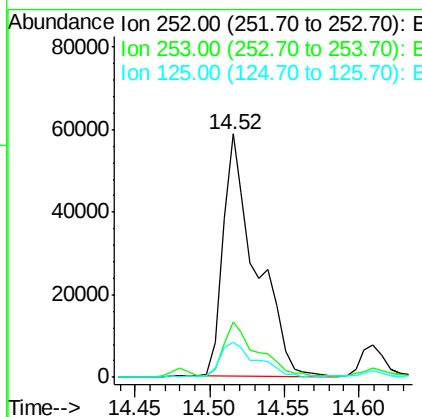
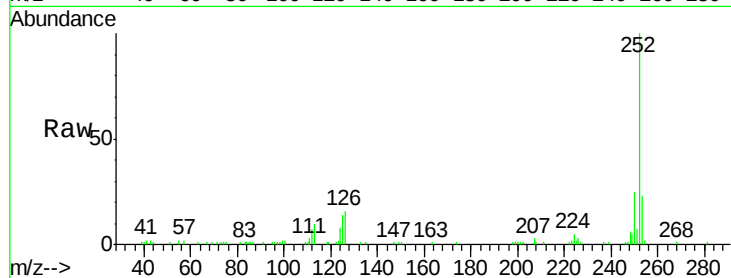




#88
Benzo(k)fluoranthene
Concen: 7.81 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF097534.D
Acq: 9 Aug 2017 23:52

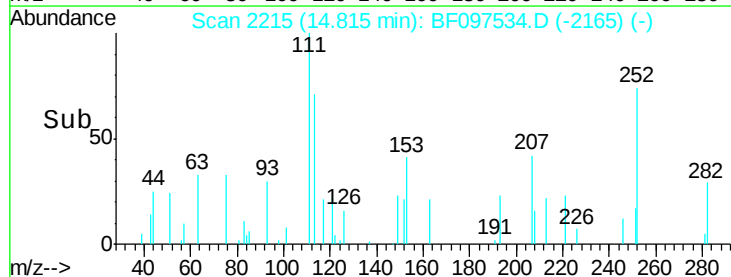
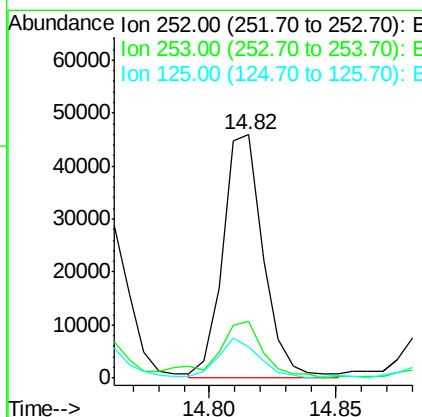
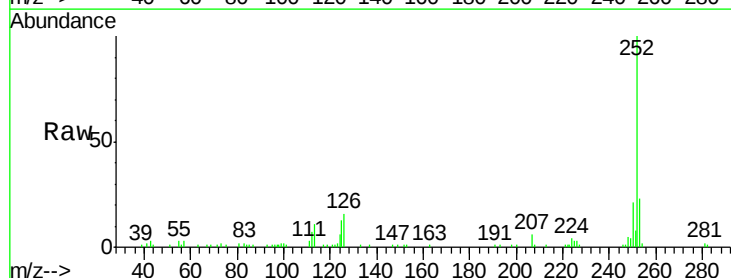
Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE

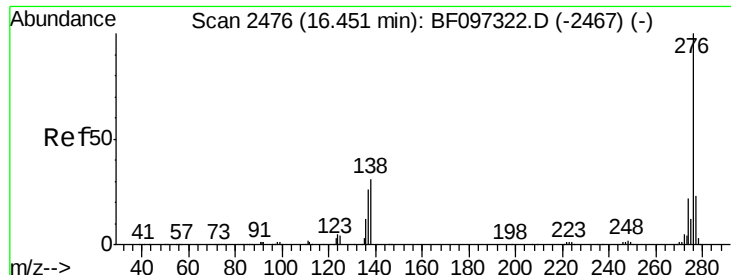
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	14.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.63 ng
RT: 14.82 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097534.D
Acq: 9 Aug 2017 23:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.8	11.0	16.4

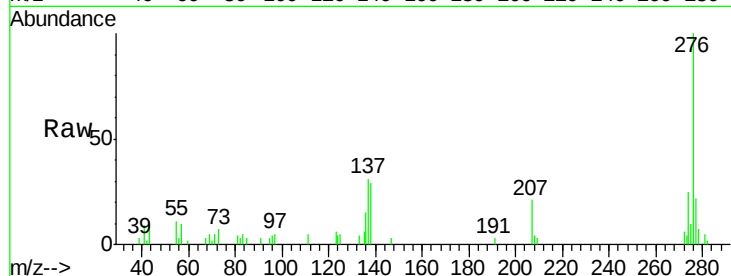




#91
 Benzo(a,h,i)perylene
 Concen: 2.98 ng
 RT: 16.41 min Scan# 2486
 Delta R.T. 0.00 min
 Lab File: BF097534.D
 Acq: 9 Aug 2017 23:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-BASE

Tot Ion: 276 Resp: 28424
 Ion Ratio Lower Upper
 276 100
 277 22.2 18.6 28.0
 138 28.7 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

