

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082815\
 Data File : BE090667.D
 Acq On : 28 Aug 2015 21:54
 Operator : UM/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 31 04:53:35 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 14 16:52:42 2015
 Response via : Initial Calibration

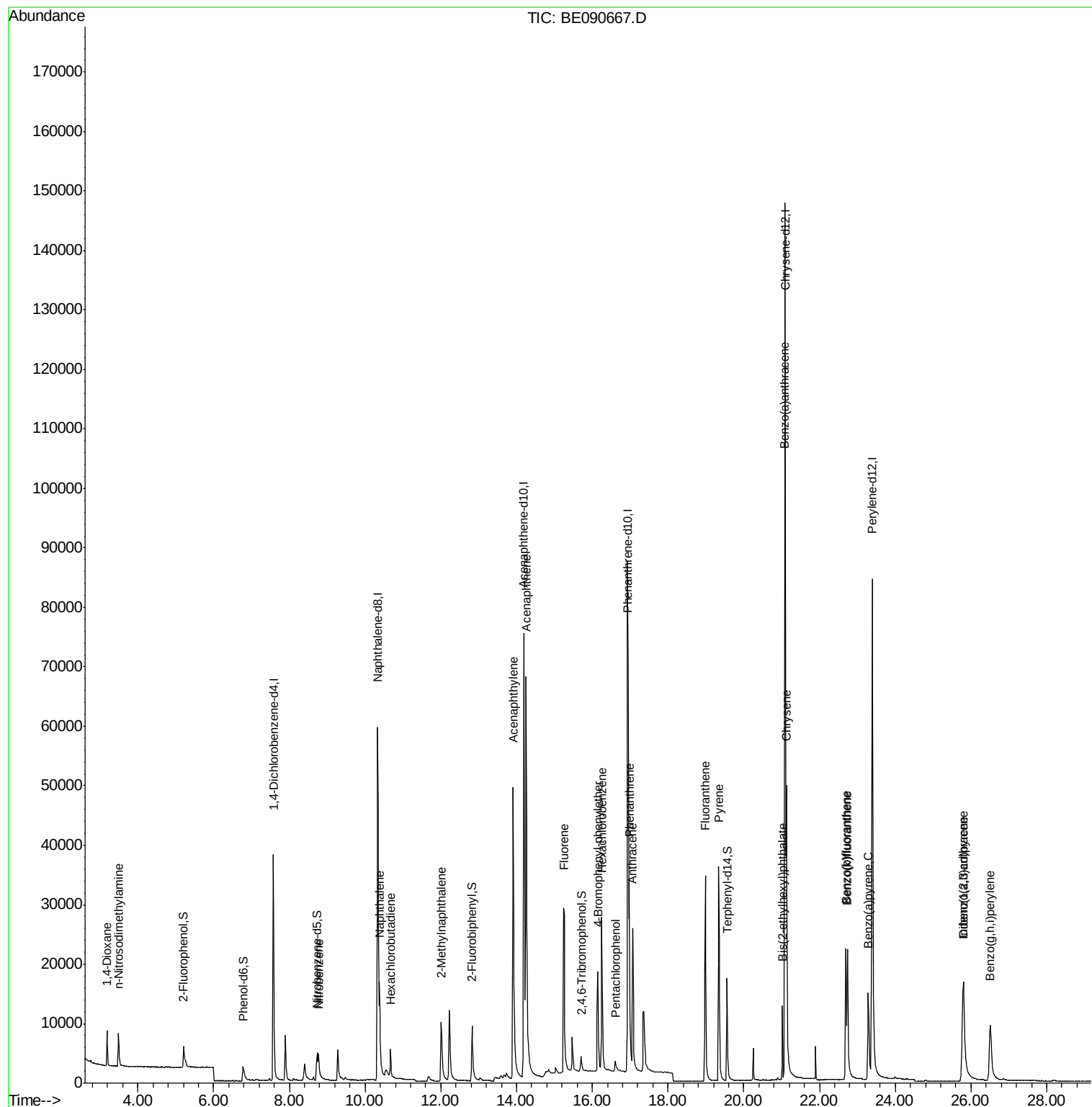
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	21742	5.00	ng	0.00
6) Naphthalene-d8	10.33	136	98938	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	58397	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	151436	5.00	ng	0.00
25) Chrysene-d12	21.09	240	161723	5.00	ng	0.00
32) Perylene-d12	23.39	264	136121	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	4464	0.71	ng	0.00
5) Phenol-d6	6.78	99	6172	0.67	ng	0.00
7) Nitrobenzene-d5	8.73	82	6644	0.84	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	1694	0.75	ng	0.00
14) 2-Fluorobiphenyl	12.83	172	15344	0.88	ng	0.00
27) Terphenyl-d14	19.56	244	25285	0.85	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.19	88	3355	1.30	ng	93
3) n-Nitrosodimethylamine	3.49	42	3760	1.00	ng	# 81
8) Nitrobenzene	8.77	77	6801	0.83	ng	100
9) Naphthalene	10.38	128	22025	0.98	ng	99
10) Hexachlorobutadiene	10.67	225	3635	1.10	ng	98
11) 2-Methylnaphthalene	12.01	142	13111	0.90	ng	99
15) Acenaphthylene	13.91	152	95396	0.89	ng	100
16) Acenaphthene	14.25	154	15622	0.97	ng	87
17) Fluorene	15.26	166	20422	1.04	ng	98
19) 4-Bromophenyl-phenylether	16.14	248	5494	0.89	ng	85
20) Hexachlorobenzene	16.25	284	27552	1.00	ng	97
21) Pentachlorophenol	16.61	266	1550	0.74	ng	94
22) Phenanthrene	16.98	178	37570	0.95	ng	100
23) Anthracene	17.07	178	33366	0.91	ng	100
24) Fluoranthene	18.98	202	38525	0.91	ng	99
26) Pyrene	19.34	202	40563	0.88	ng	100
28) Benzo(a)anthracene	21.07	228	36502	0.86	ng	100
29) Chrysene	21.13	228	44196	1.02	ng	100
30) Bis(2-ethylhexyl)phthalate	21.02	149	10706	0.55	ng	100
31) Indeno(1,2,3-cd)pyrene	25.78	276	33274	0.81	ng	# 93
33) Benzo(b)fluoranthene	22.70	252	29721	0.92	ng	98
34) Benzo(k)fluoranthene	22.74	252	37460	1.03	ng	98
35) Benzo(a)pyrene	23.29	252	27139	0.90	ng	# 96
36) Dibenzo(a,h)anthracene	25.80	278	24352	0.84	ng	97
37) Benzo(g,h,i)perylene	26.50	276	27816	0.87	ng	# 94

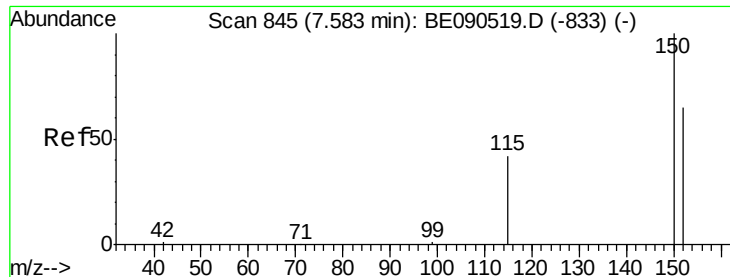
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082815\
Data File : BE090667.D
Acq On : 28 Aug 2015 21:54
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 31 04:53:35 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 14 16:52:42 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.57 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampled :

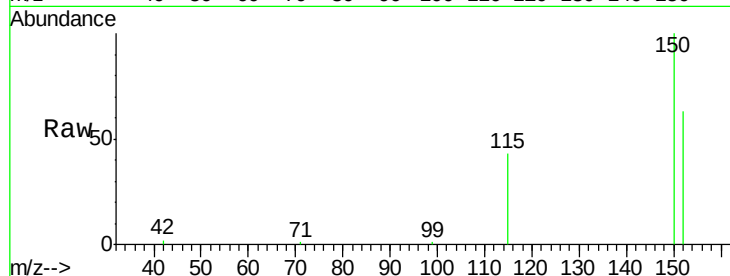
Tot Ion:152 Resp: 21742

Ion Ratio Lower Upper

152 100

150 158.2 123.0 184.4

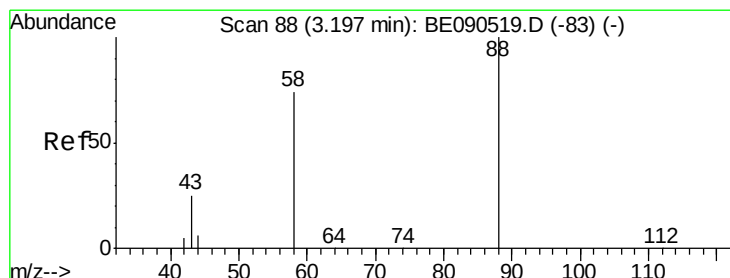
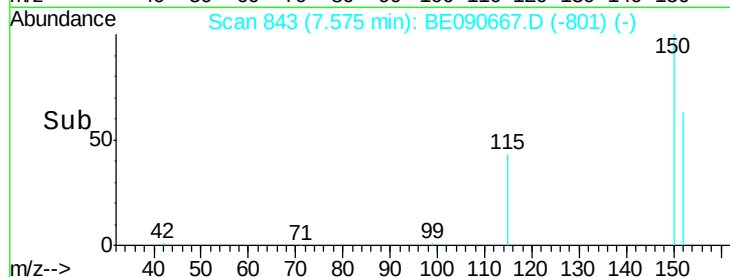
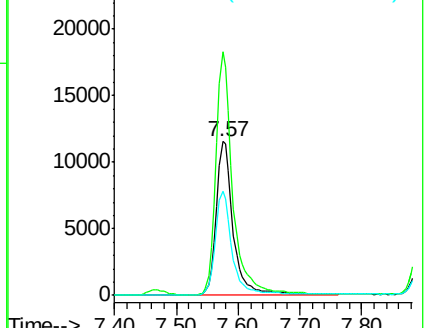
115 68.0 48.9 73.3



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



#2

1,4-Dioxane

Concen: 1.30 ng

RT: 3.19 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

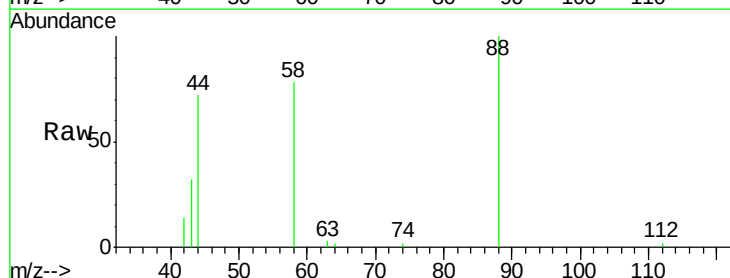
Tgt Ion: 88 Resp: 3355

Ion Ratio Lower Upper

88 100

58 81.5 70.0 105.0

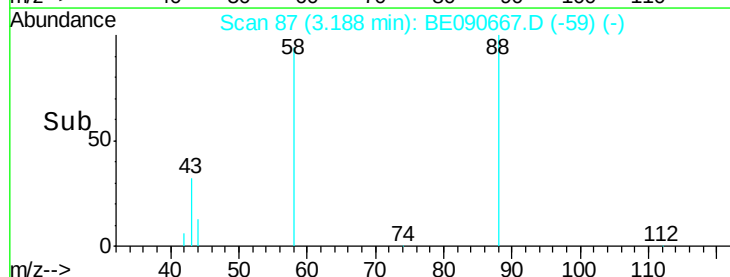
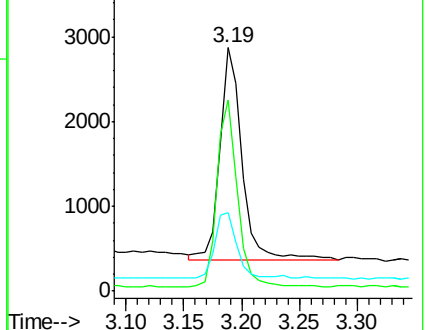
43 30.2 28.4 42.6

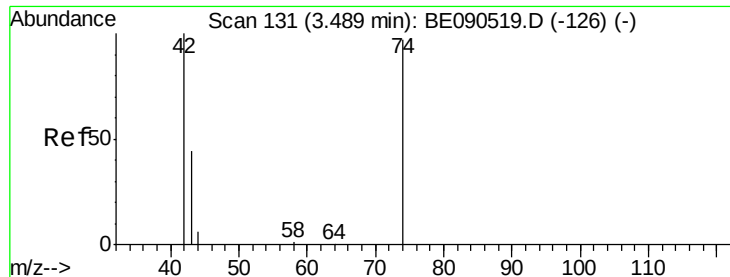


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.00 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

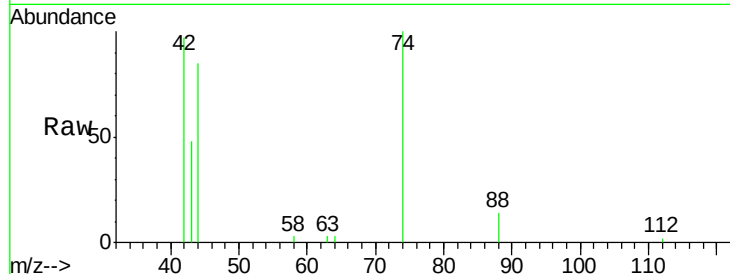
Tot Ion: 42 Resp: 3760

Ion Ratio Lower Upper

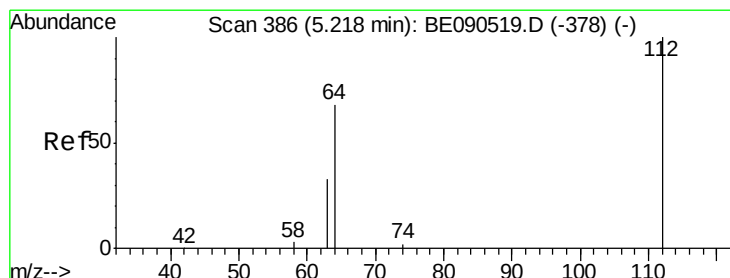
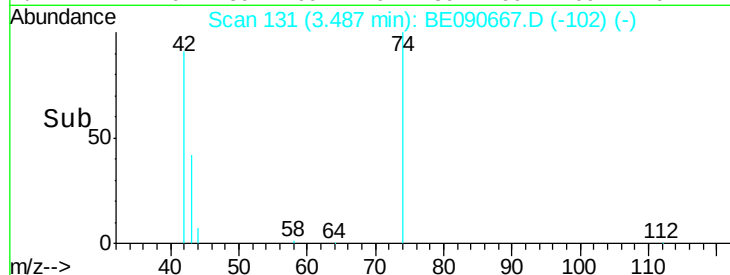
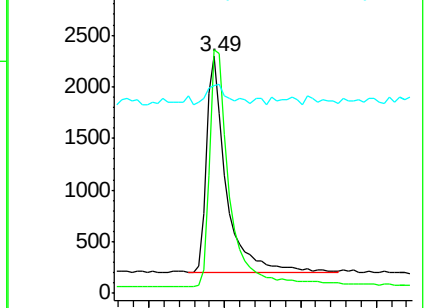
42 100

74 114.7 75.2 112.8#

44 11.0 8.7 13.1



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.71 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

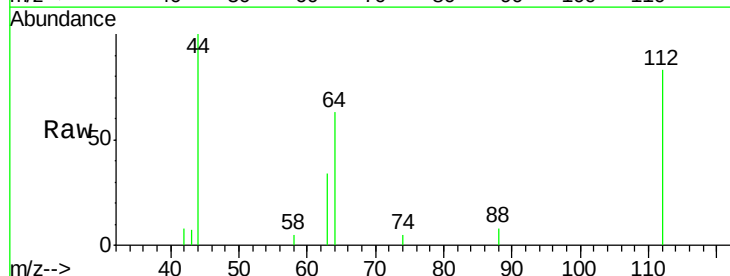
Tgt Ion: 112 Resp: 4464

Ion Ratio Lower Upper

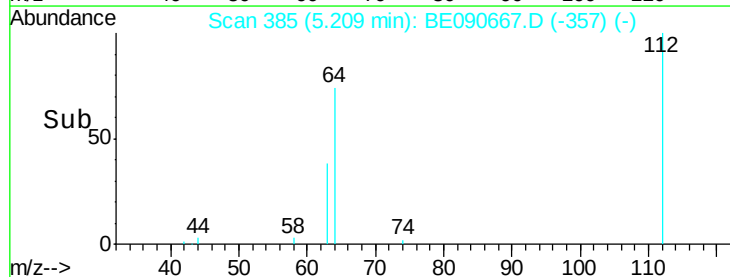
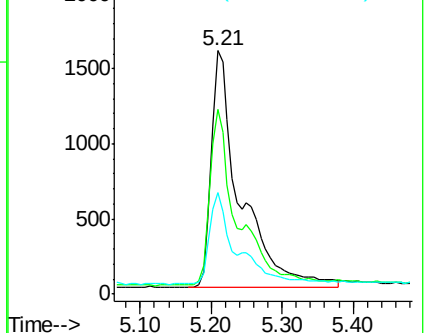
112 100

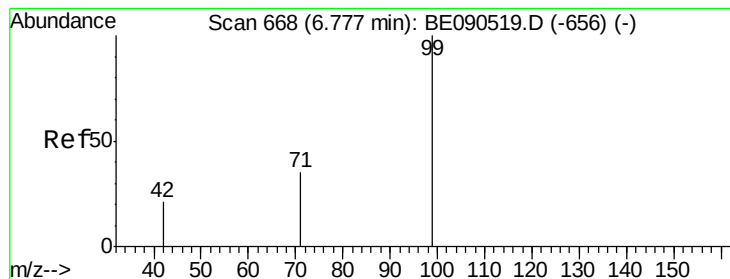
64 70.7 37.1 55.7#

63 36.9 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.67 ng

RT: 6.78 min Scan# 668

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

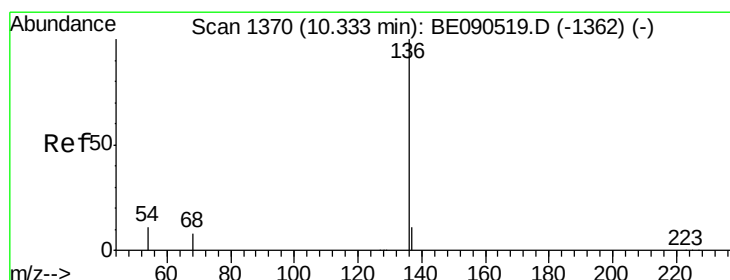
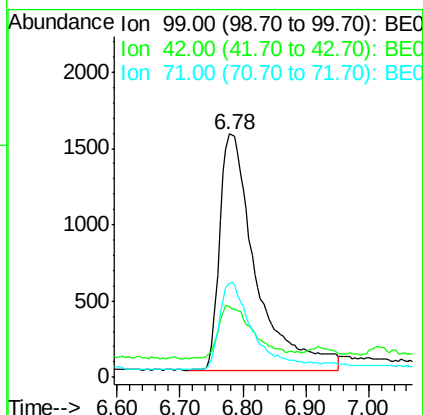
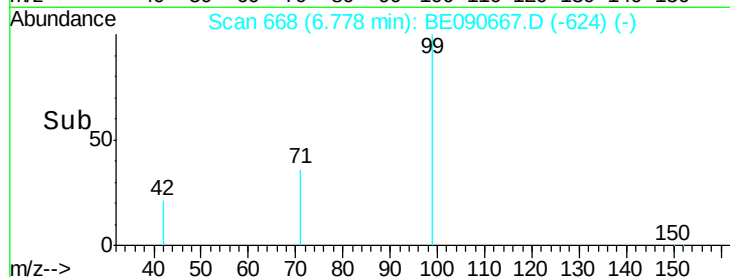
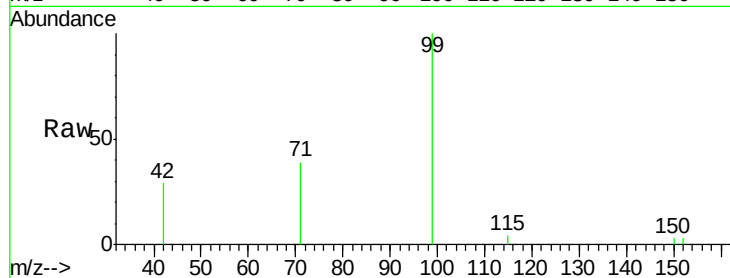
Tot Ion: 99 Resp: 6172

Ion Ratio Lower Upper

99 100

42 22.7 18.2 27.4

71 34.9 27.4 41.0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.33 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Tgt Ion: 136 Resp: 98938

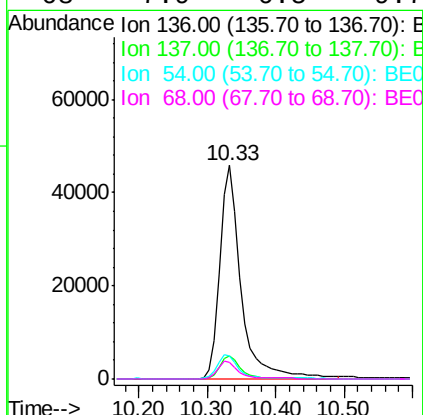
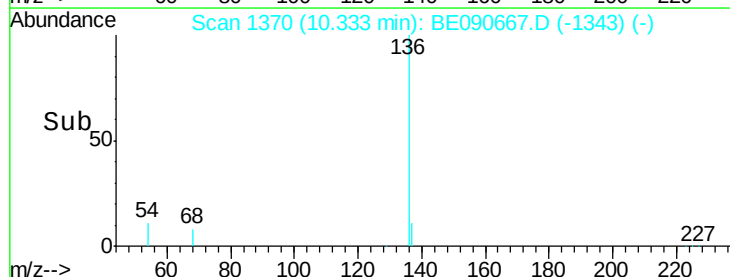
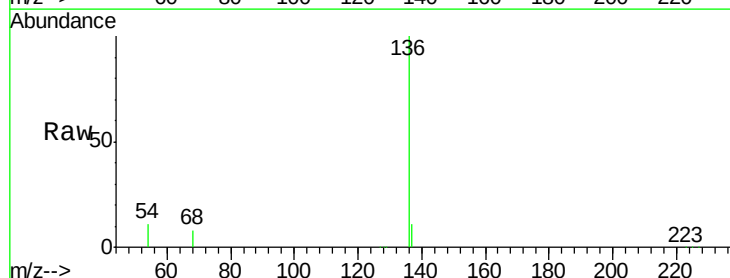
Ion Ratio Lower Upper

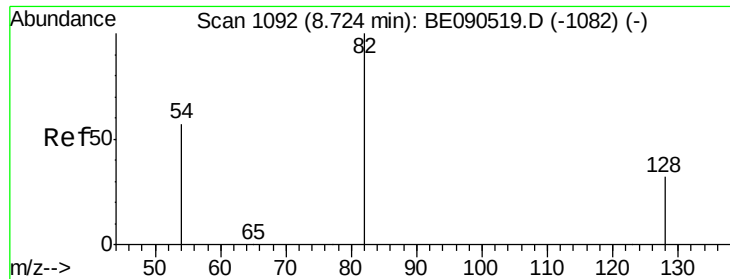
136 100

137 11.0 8.7 13.1

54 11.0 9.4 14.0

68 7.9 6.5 9.7





#7

Nitrobenzene-d5

Concen: 0.84 ng

RT: 8.73 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

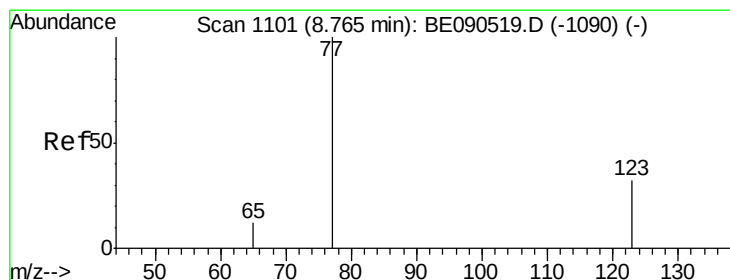
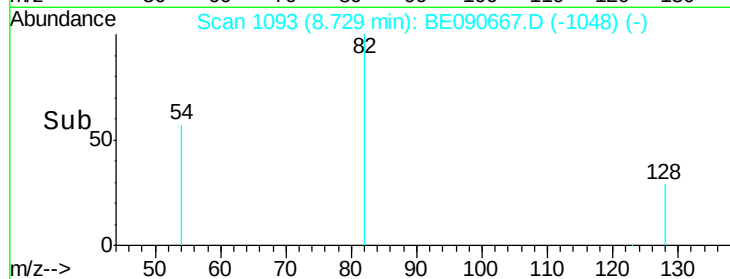
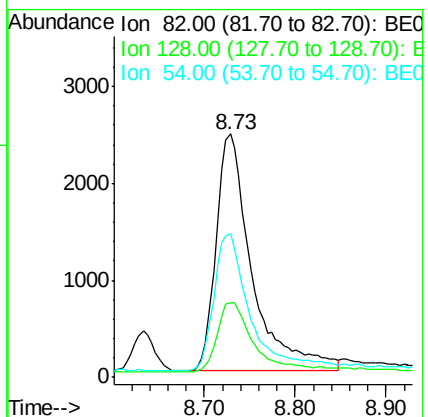
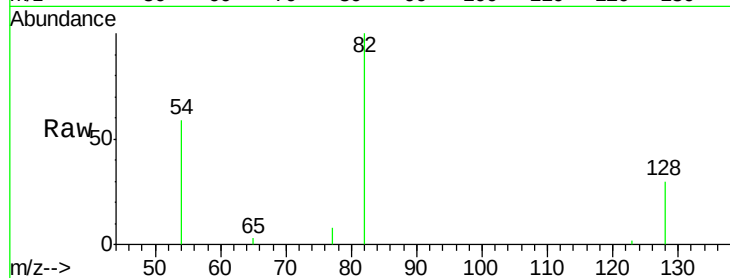
Tot Ion: 82 Resp: 6644

Ion Ratio Lower Upper

82 100

128 30.5 25.0 37.6

54 59.0 48.8 73.2



#8

Nitrobenzene

Concen: 0.83 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

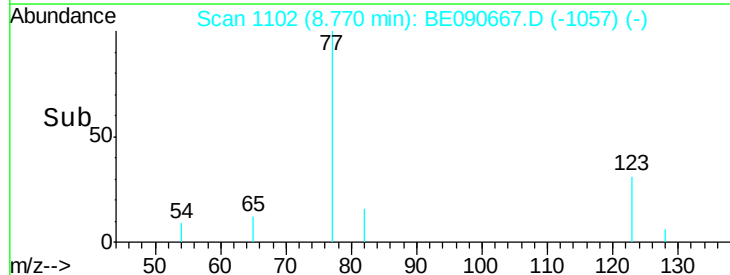
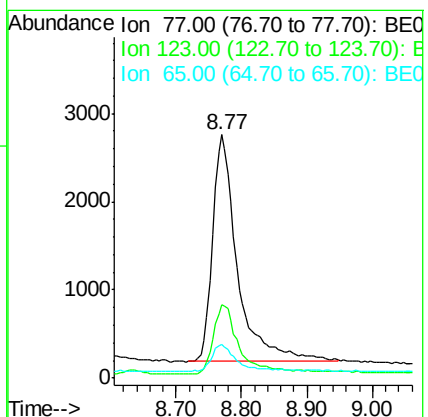
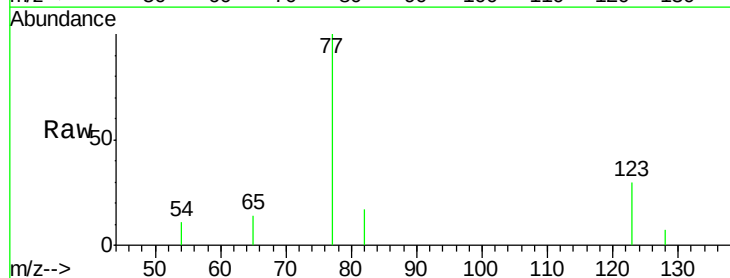
Tgt Ion: 77 Resp: 6801

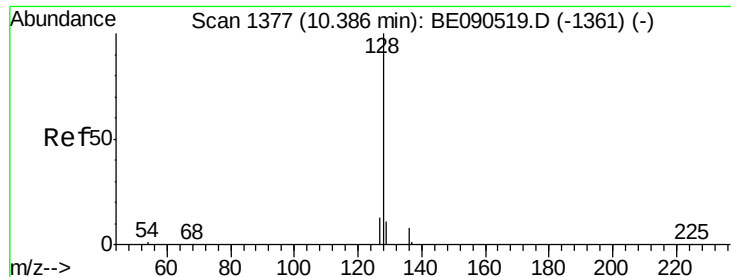
Ion Ratio Lower Upper

77 100

123 31.5 25.1 37.7

65 11.7 9.3 13.9





#9

Naphthalene

Concen: 0.98 ng

RT: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

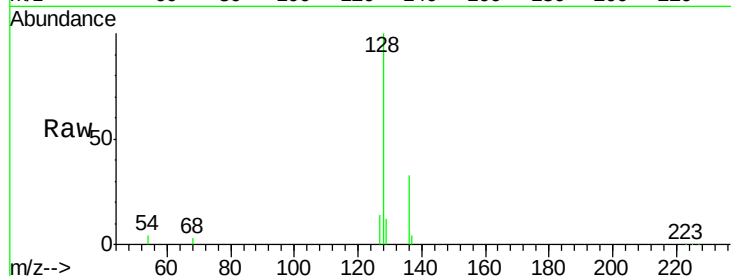
Tot Ion:128 Resp: 22025

Ion Ratio Lower Upper

128 100

129 11.8 9.8 14.6

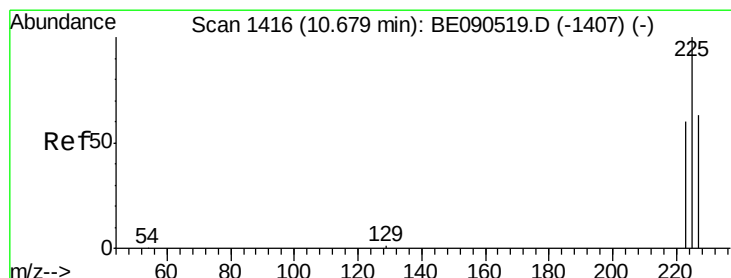
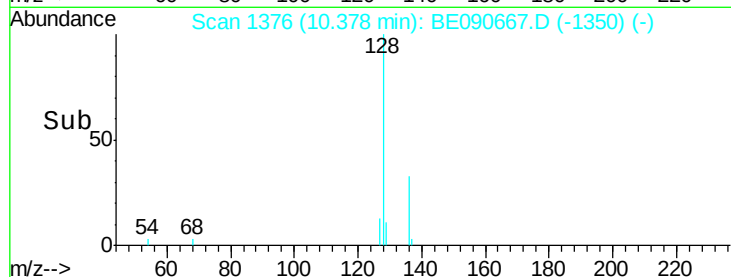
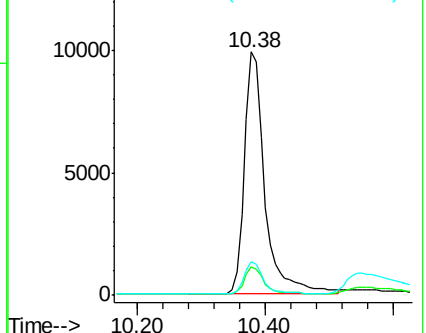
127 13.6 10.6 16.0



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



#10

Hexachlorobutadiene

Concen: 1.10 ng

RT: 10.67 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

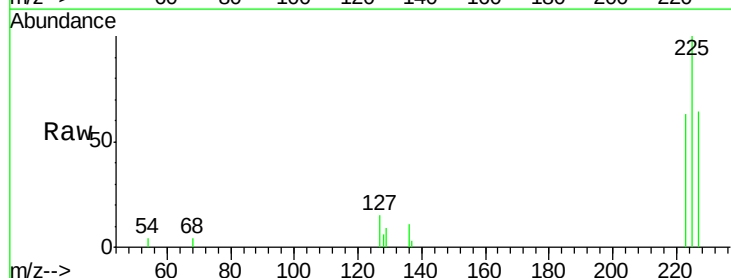
Tgt Ion:225 Resp: 3635

Ion Ratio Lower Upper

225 100

223 61.3 50.6 75.8

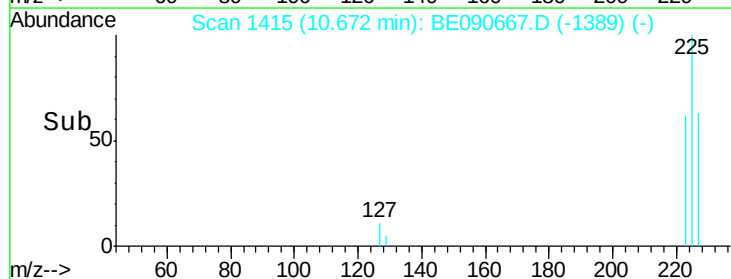
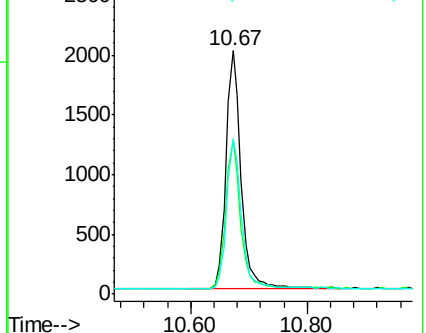
227 61.5 50.7 76.1

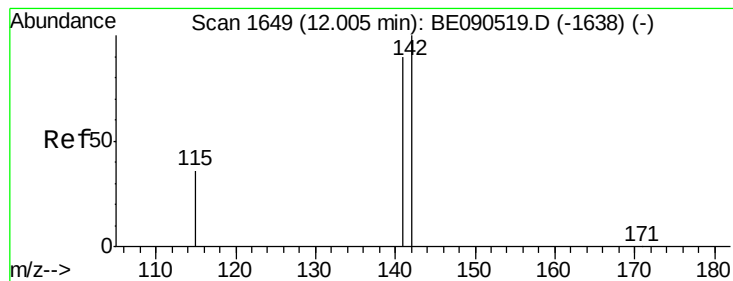


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.90 ng

RT: 12.01 min Scan# 1650

Delta R.T. 0.01 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

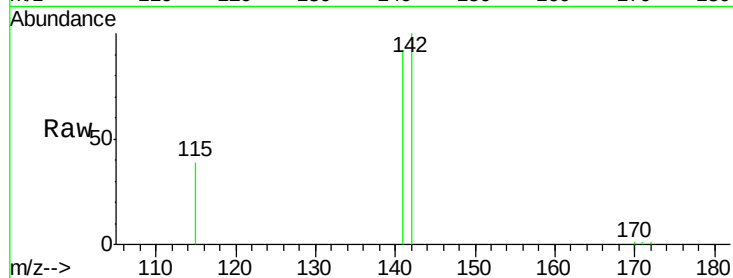
Tot Ion:142 Resp: 13111

Ion Ratio Lower Upper

142 100

141 91.8 72.6 109.0

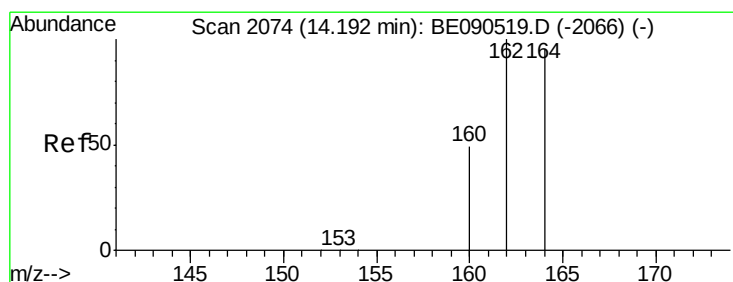
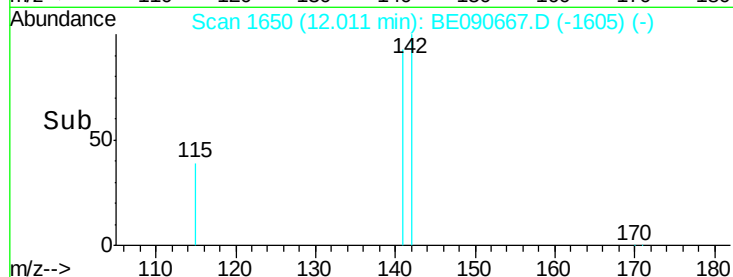
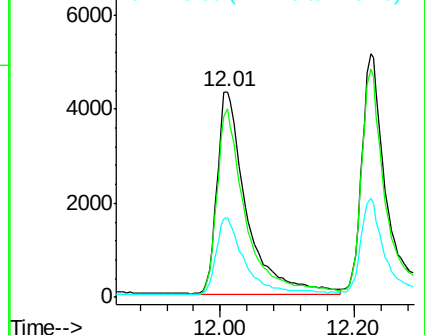
115 38.9 31.6 47.4



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

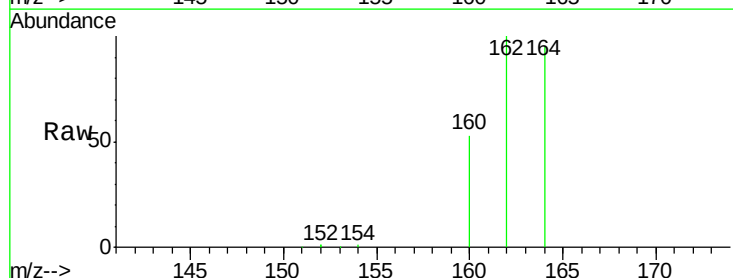
Tgt Ion:164 Resp: 58397

Ion Ratio Lower Upper

164 100

162 105.2 81.8 122.8

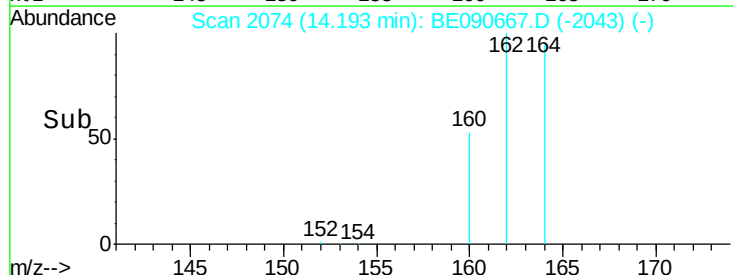
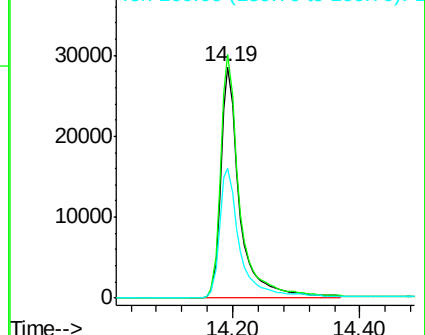
160 55.9 44.2 66.4

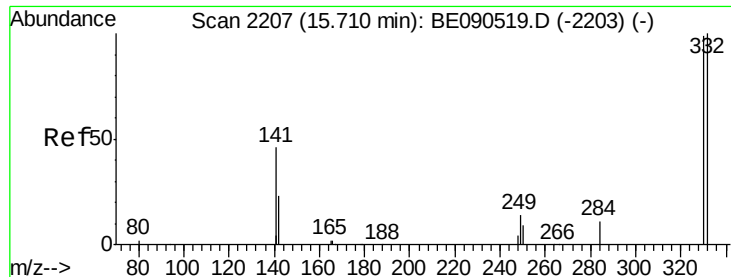


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

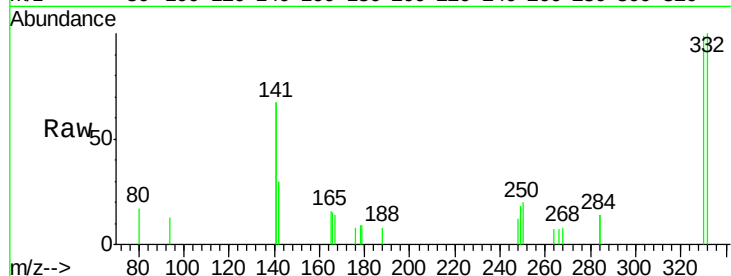




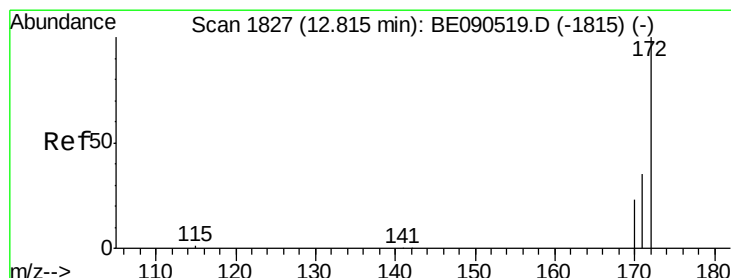
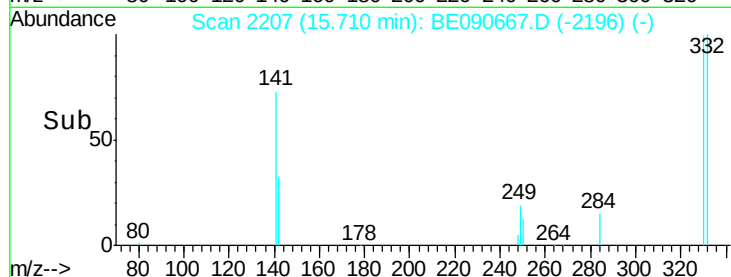
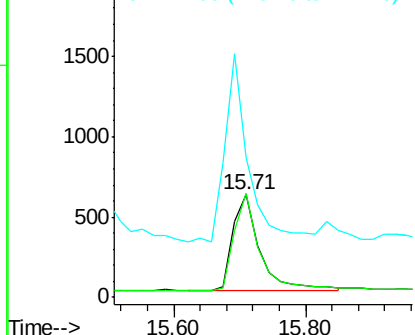
#13
 2,4,6-Tribromophenol
 Concen: 0.75 ng
 RT: 15.71 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 1694
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.8 113.6
 141 164.3 114.4 171.6

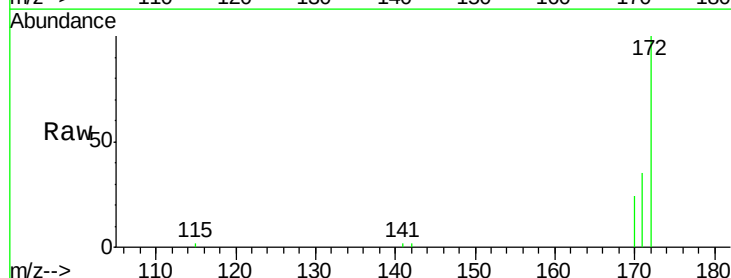


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

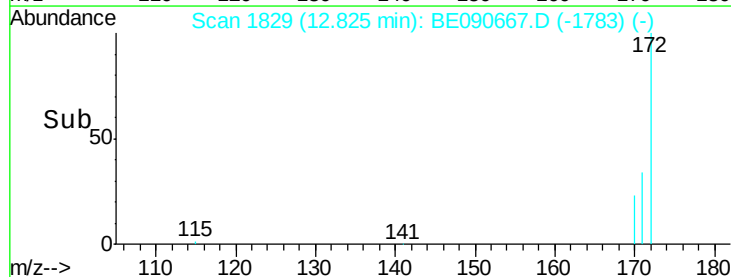
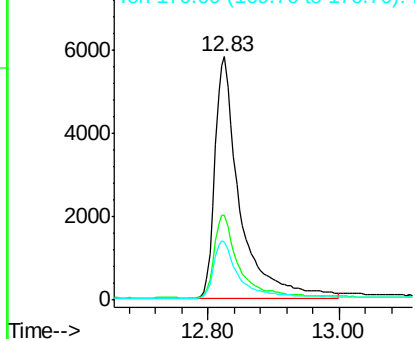


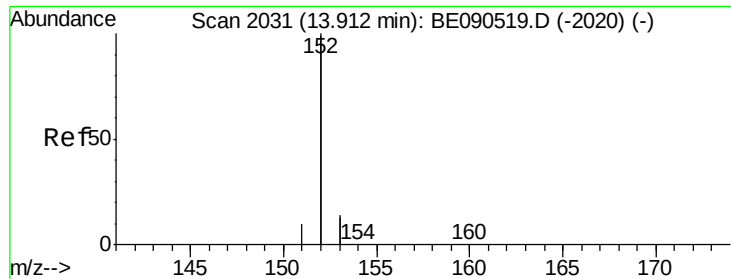
#14
 2-Fluorobiphenyl
 Concen: 0.88 ng
 RT: 12.83 min Scan# 1829
 Delta R.T. 0.01 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

Tgt Ion:172 Resp: 15344
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 24.0 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





#15

Acenaphthylene

Concen: 0.89 ng

RT: 13.91 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampled :

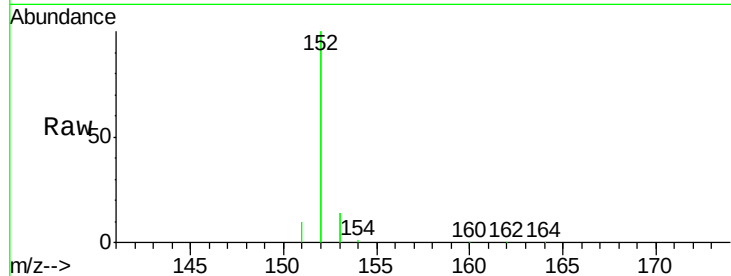
Tot Ion:152 Resp: 95396

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.8

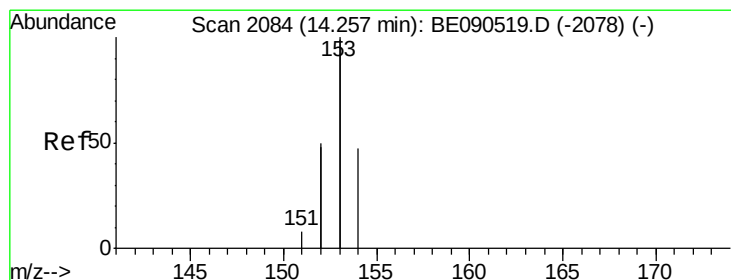
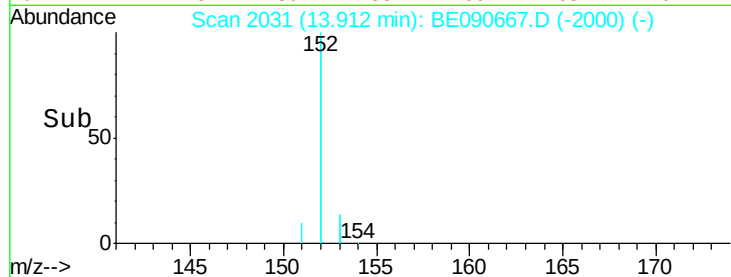
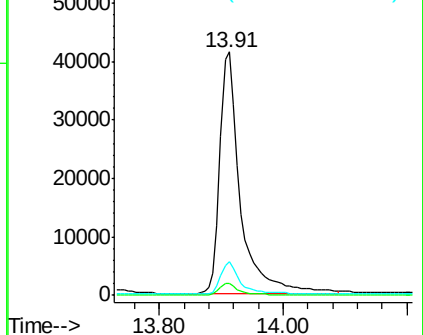
153 12.9 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.97 ng

RT: 14.25 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

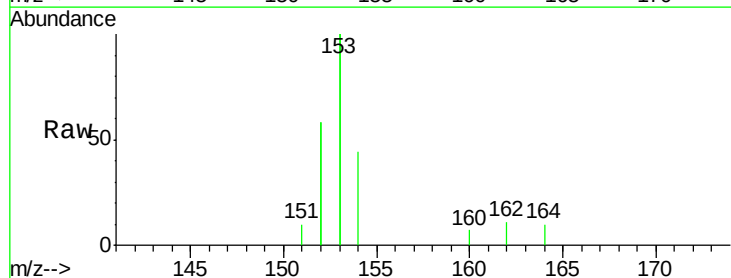
Tgt Ion:154 Resp: 15622

Ion Ratio Lower Upper

154 100

153 452.0 376.2 564.2

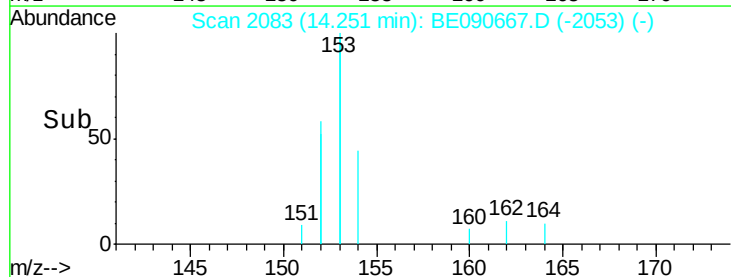
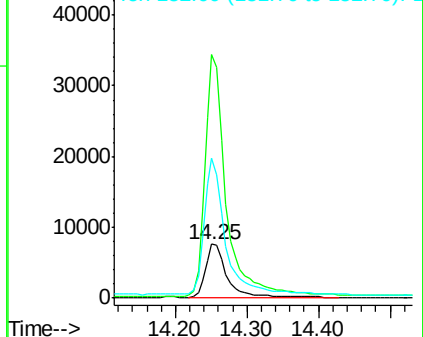
152 251.7 235.0 352.4

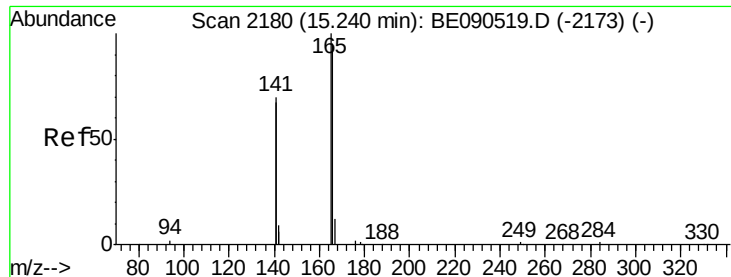


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

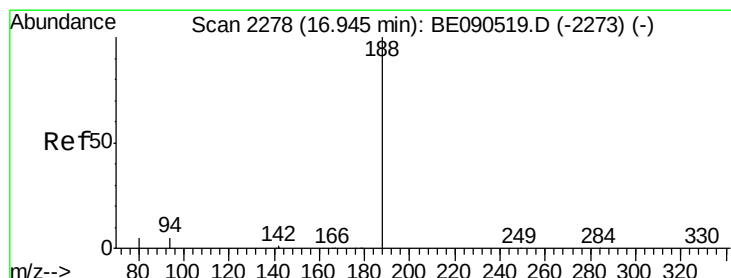
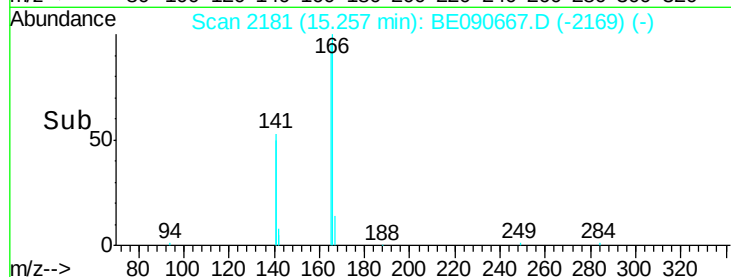
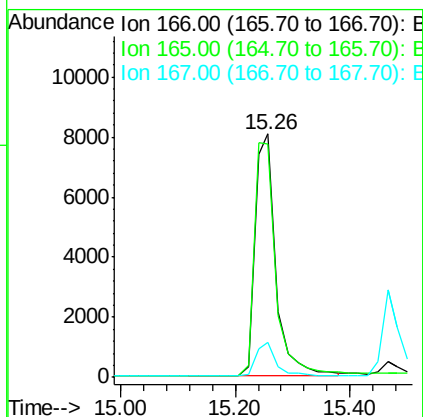
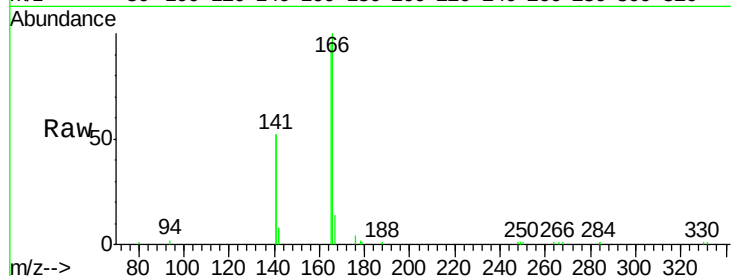




#17
Fluorene
 Concen: 1.04 ng
 RT: 15.26 min Scan# 2181
 Delta R.T. 0.02 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

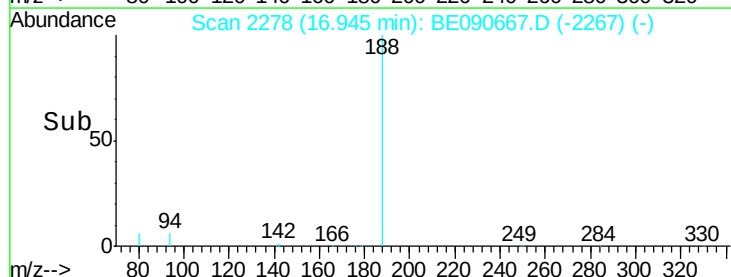
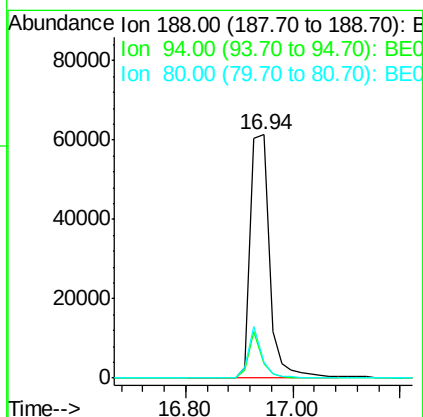
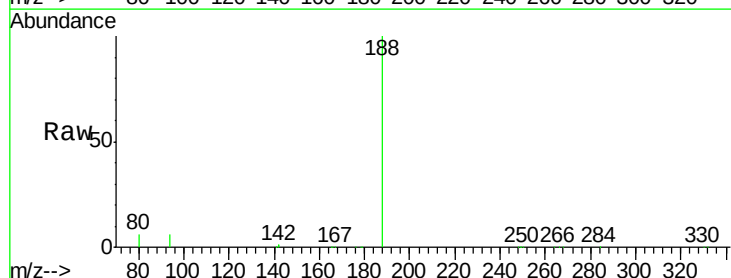
Instrument :
 BNA_E
 ClientSampleId :

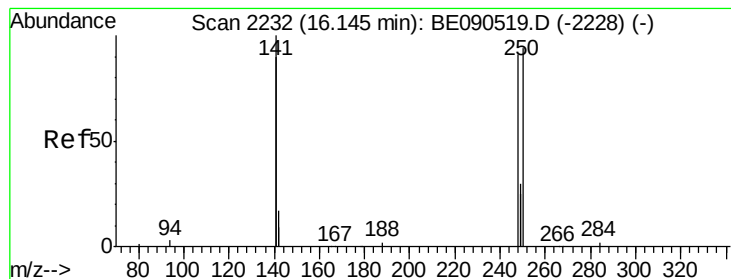
Tot Ion:166 Resp: 20422
 Ion Ratio Lower Upper
 166 100
 165 100.3 81.5 122.3
 167 13.2 11.4 17.0



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

Tgt Ion:188 Resp: 151436
 Ion Ratio Lower Upper
 188 100
 94 6.1 5.7 8.5
 80 6.5 5.8 8.8





#19

4-Bromophenyl-phenylether

Concen: 0.89 ng

RT: 16.14 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

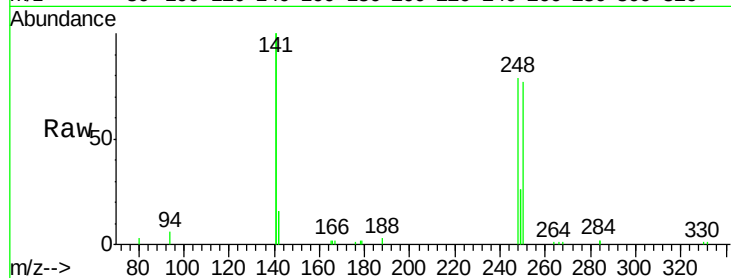
Tot Ion:248 Resp: 5494

Ion Ratio Lower Upper

248 100

250 92.4 79.0 118.6

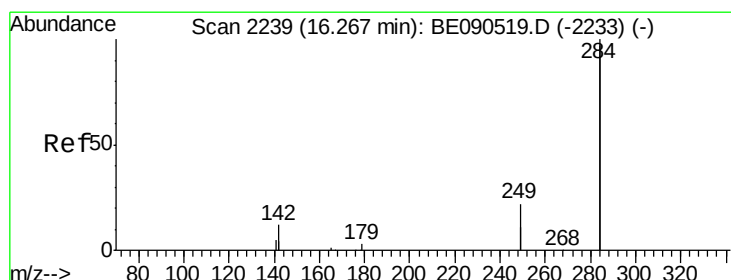
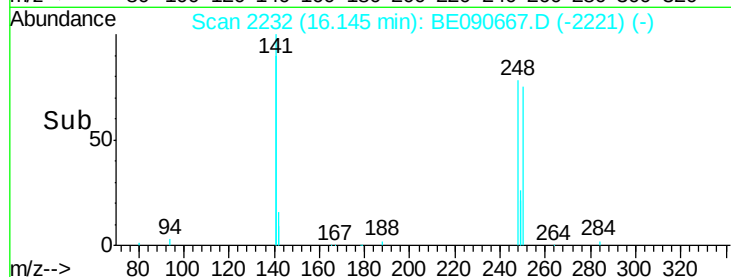
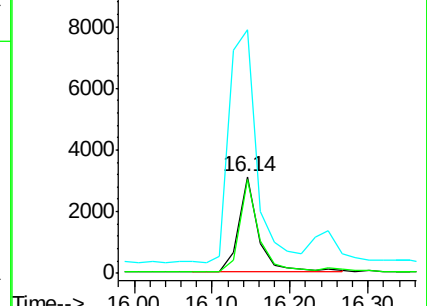
141 335.4 239.5 359.3



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



#20

Hexachlorobenzene

Concen: 1.00 ng

RT: 16.25 min Scan# 2238

Delta R.T. -0.02 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

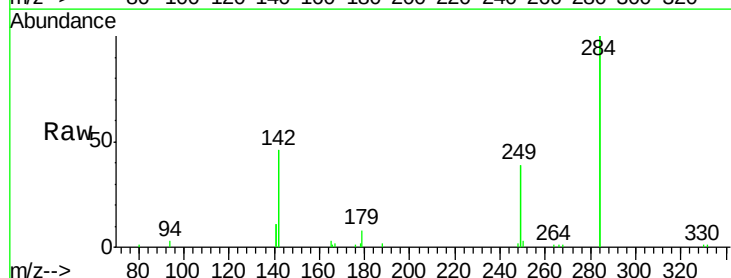
Tgt Ion:284 Resp: 27552

Ion Ratio Lower Upper

284 100

142 40.6 30.1 45.1

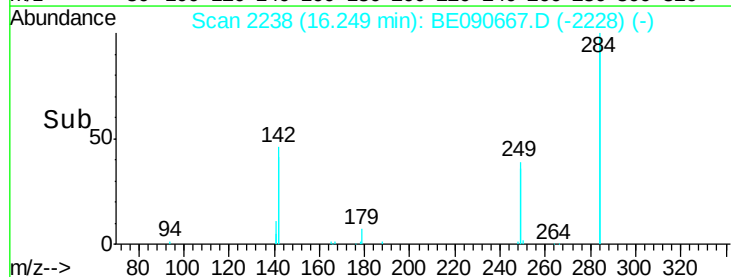
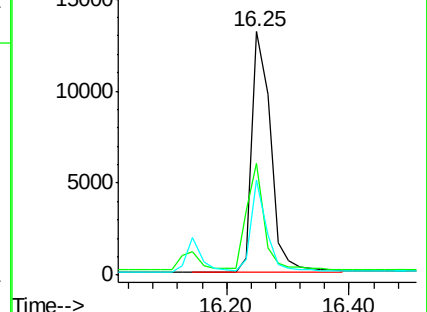
249 31.7 25.7 38.5

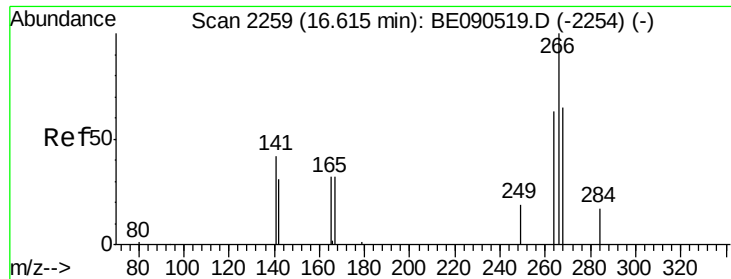


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

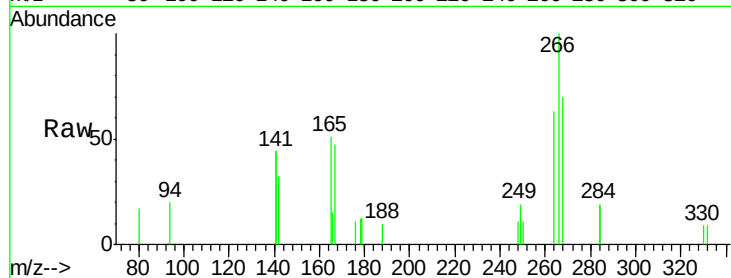




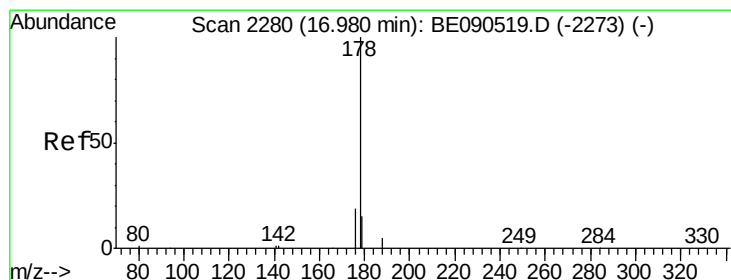
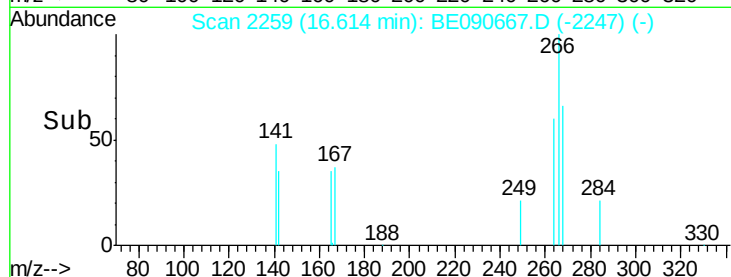
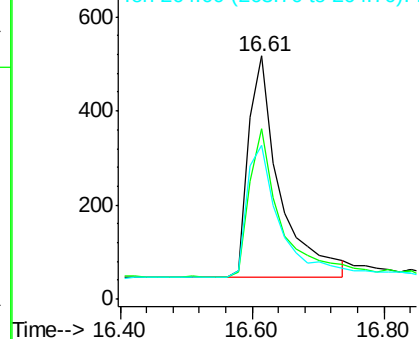
#21
 Pentachlorophenol
 Concen: 0.74 ng
 RT: 16.61 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:266 Resp: 1550
 Ion Ratio Lower Upper
 266 100
 268 70.0 58.5 87.7
 264 63.2 56.0 84.0

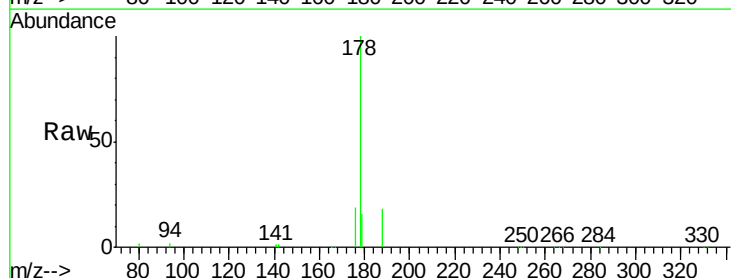


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

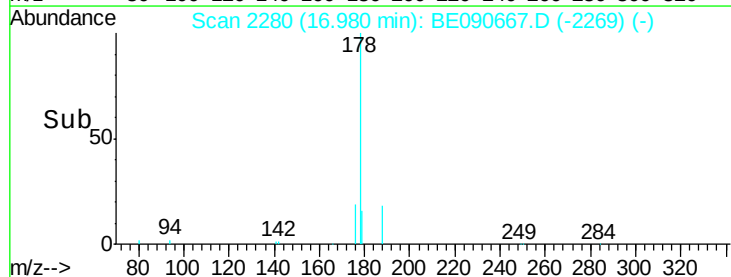
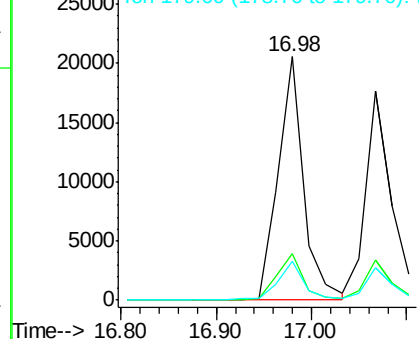


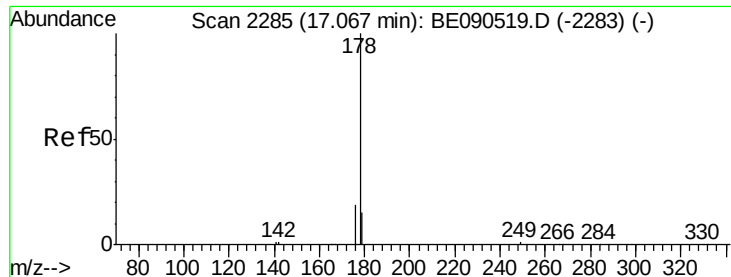
#22
 Phenanthrene
 Concen: 0.95 ng
 RT: 16.98 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

Tgt Ion:178 Resp: 37570
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.6 12.5 18.7



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





#23

Anthracene

Concen: 0.91 ng

RT: 17.07 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

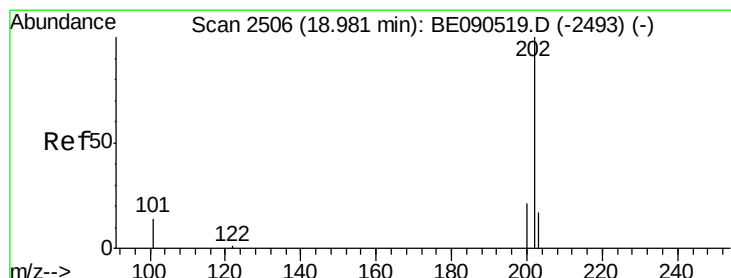
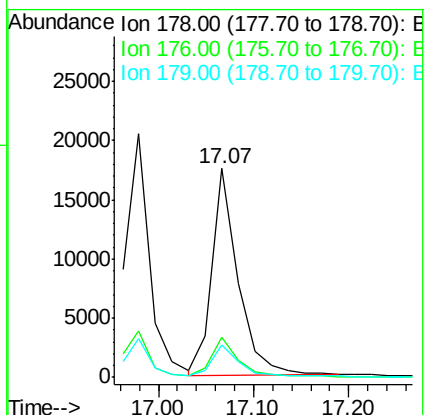
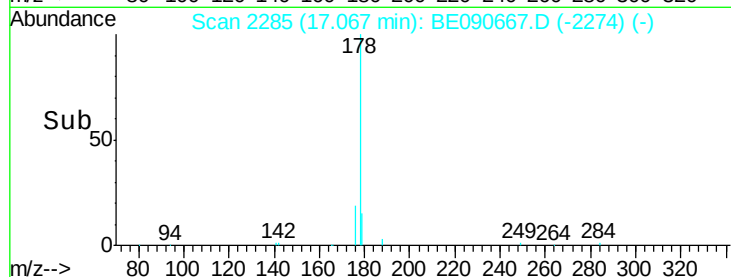
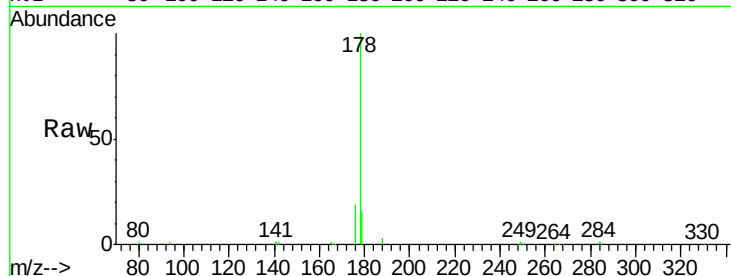
Tot Ion:178 Resp: 33366

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.2 12.2 18.4



#24

Fluoranthene

Concen: 0.91 ng

RT: 18.98 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

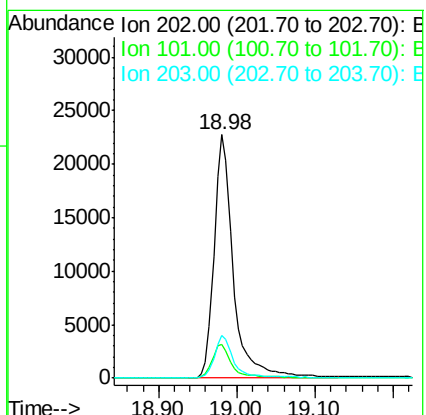
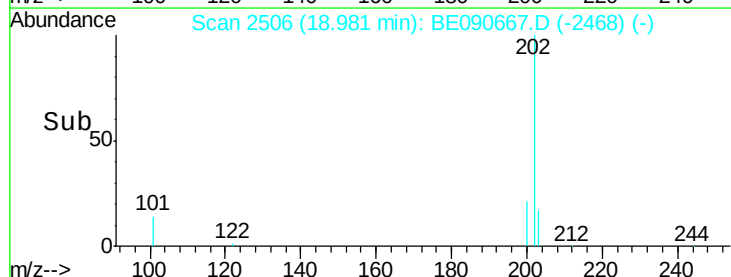
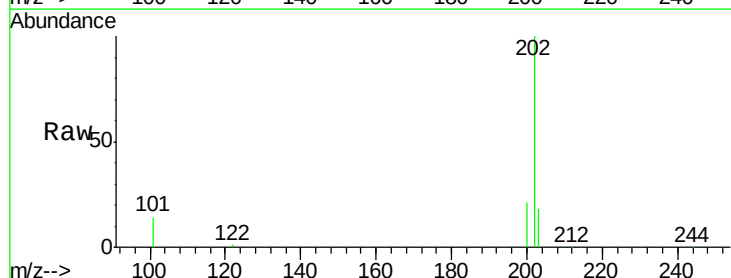
Tgt Ion:202 Resp: 38525

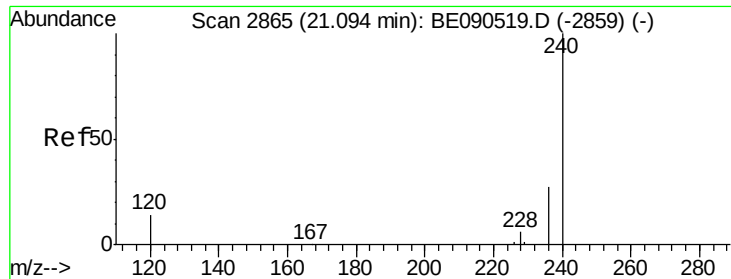
Ion Ratio Lower Upper

202 100

101 13.9 10.3 15.5

203 17.2 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

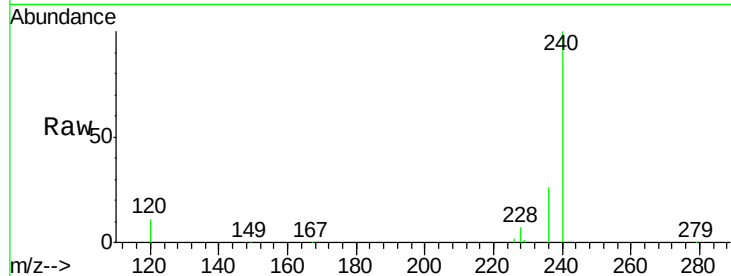
Tot Ion:240 Resp: 161723

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

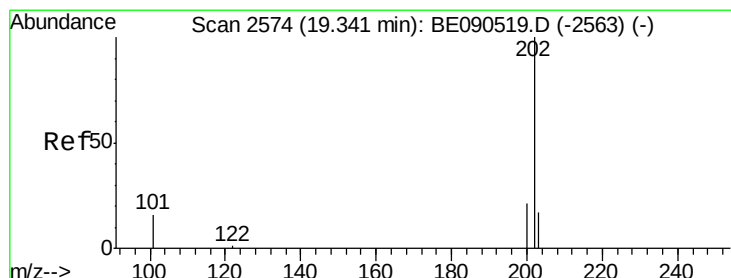
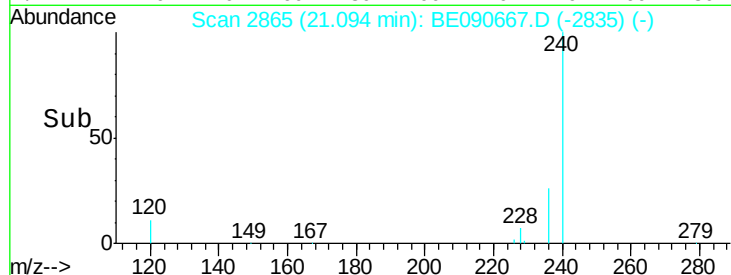
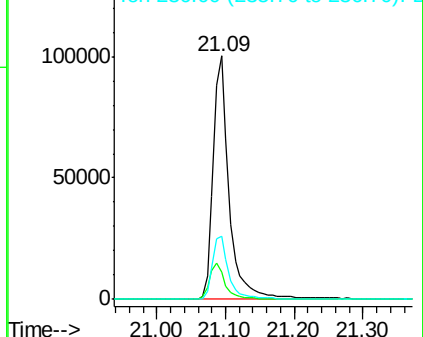
236 26.0 21.0 31.4



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



#26

Pyrene

Concen: 0.88 ng

RT: 19.34 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

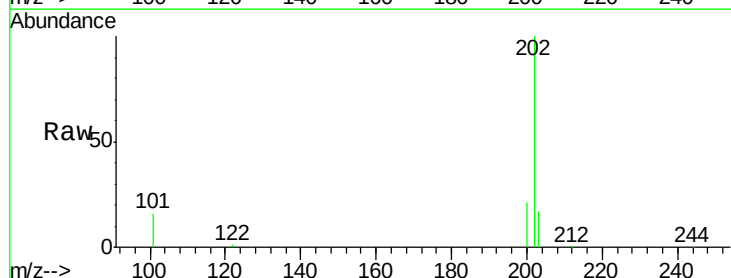
Tgt Ion:202 Resp: 40563

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

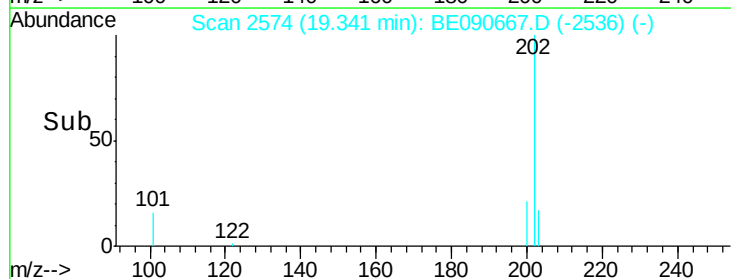
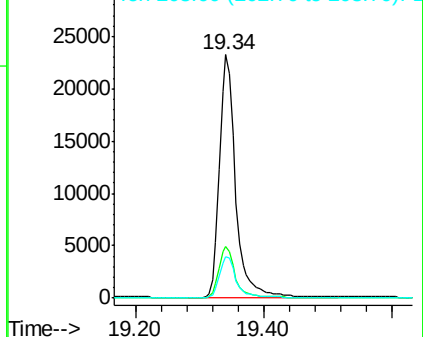
203 17.2 13.8 20.8

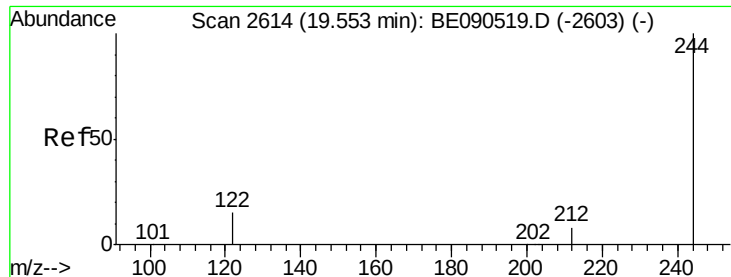


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

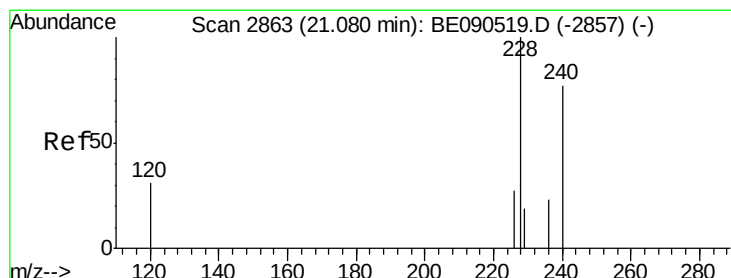
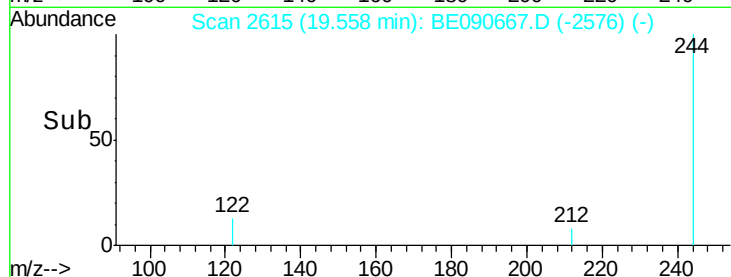
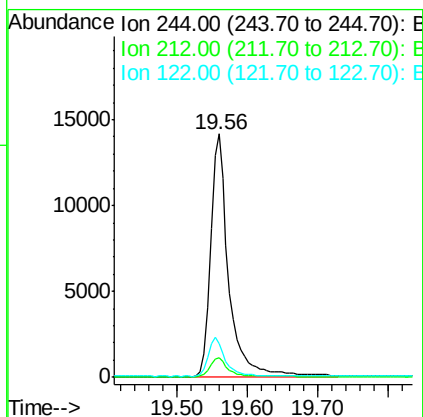
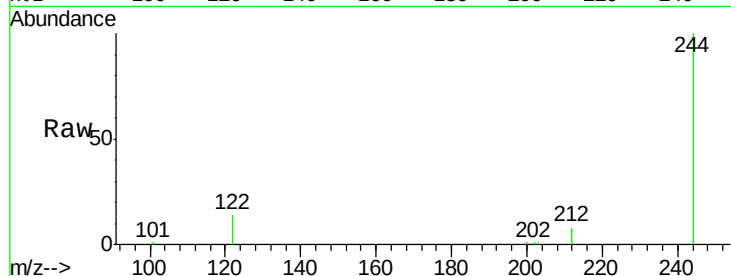




#27
 Terphenyl-d14
 Concen: 0.85 ng
 RT: 19.56 min Scan# 2615
 Delta R.T. 0.01 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

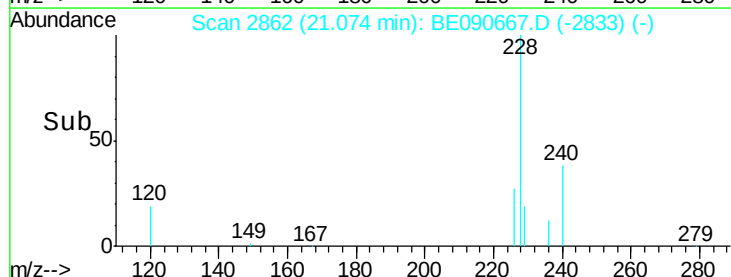
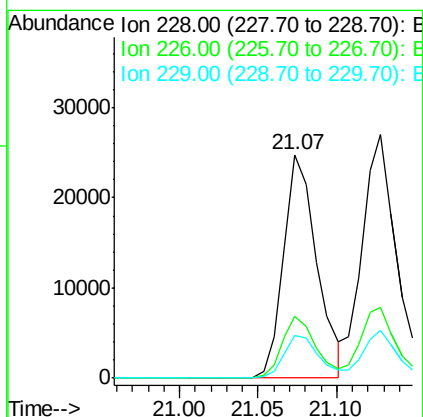
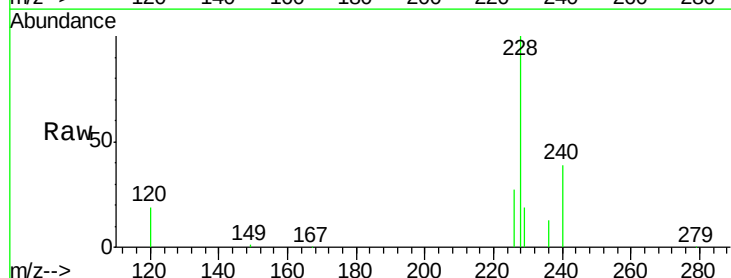
Instrument :
 BNA_E
 ClientSampleId :

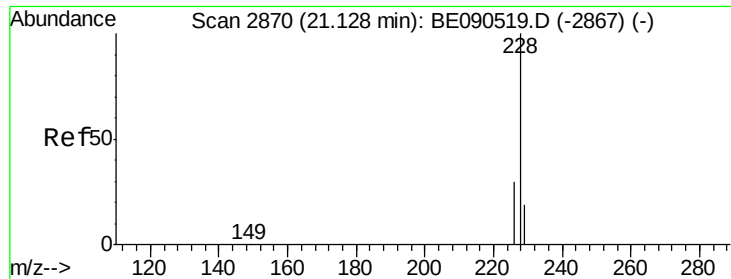
Tot Ion:244 Resp: 25285
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 13.7 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 0.86 ng
 RT: 21.07 min Scan# 2862
 Delta R.T. -0.01 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

Tgt Ion:228 Resp: 36502
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.9 32.9
 229 19.1 15.4 23.0





#29

Chrysene

Concen: 1.02 ng

RT: 21.13 min Scan# 2870

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

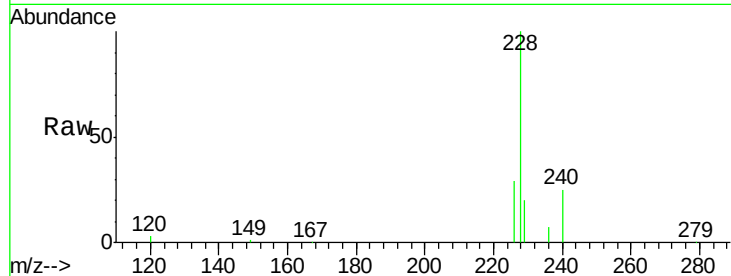
Tot Ion:228 Resp: 44196

Ion Ratio Lower Upper

228 100

226 29.1 23.1 34.7

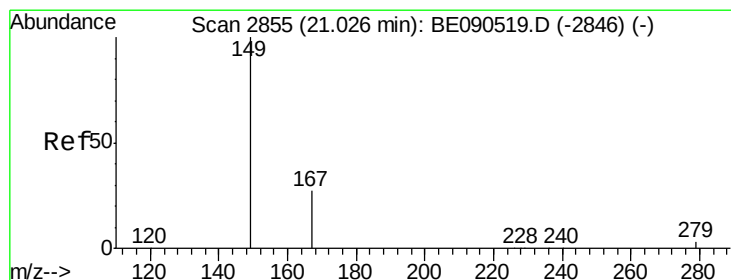
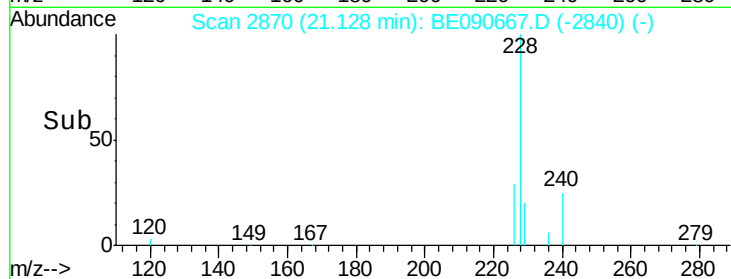
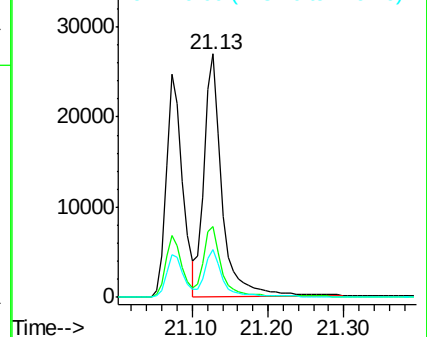
229 19.8 15.8 23.8



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.55 ng

RT: 21.02 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

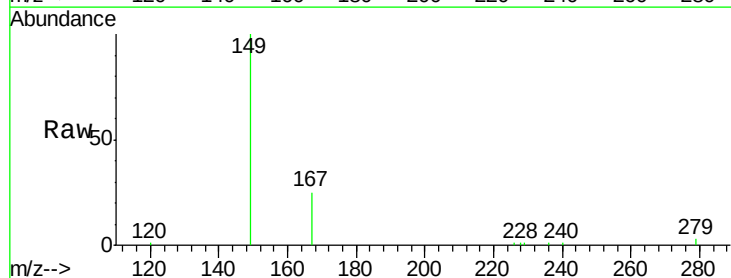
Tgt Ion:149 Resp: 10706

Ion Ratio Lower Upper

149 100

167 24.9 19.8 29.8

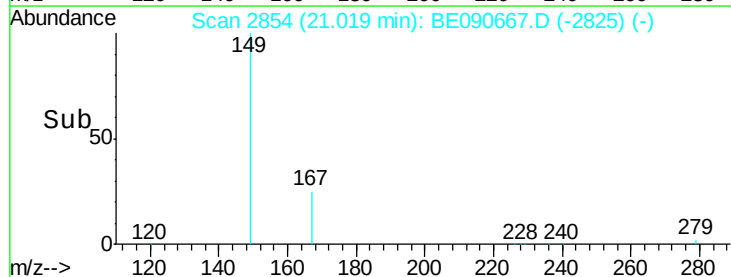
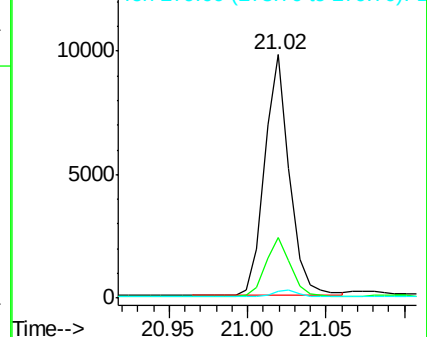
279 2.9 2.4 3.6

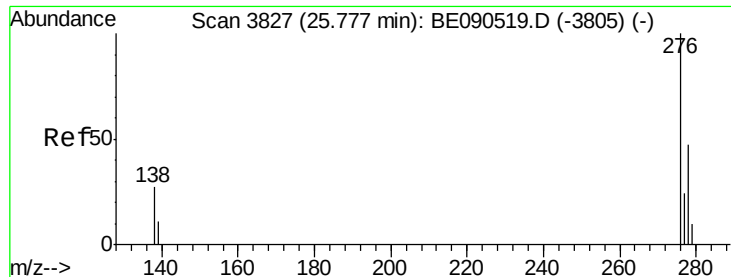


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

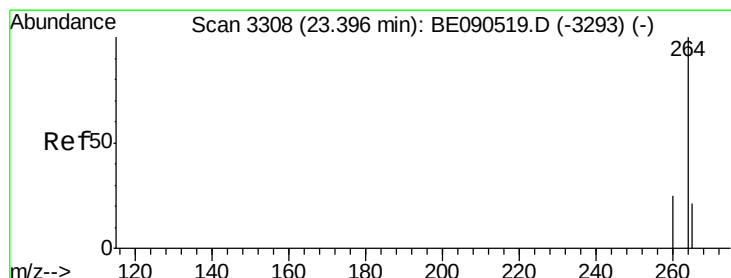
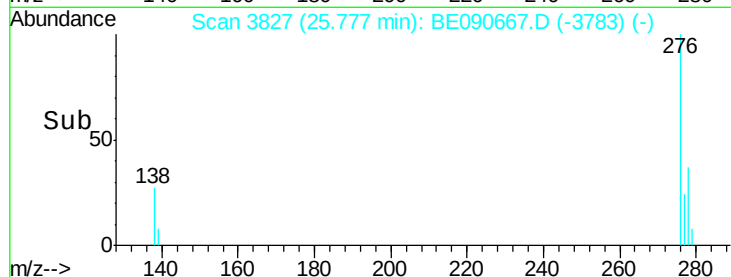
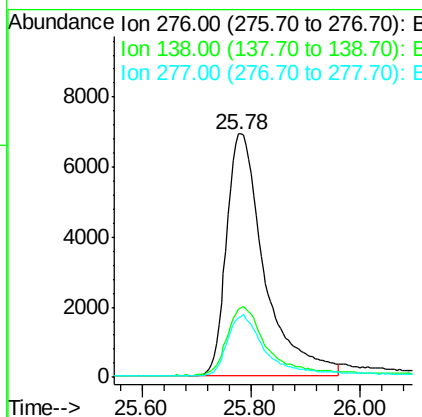
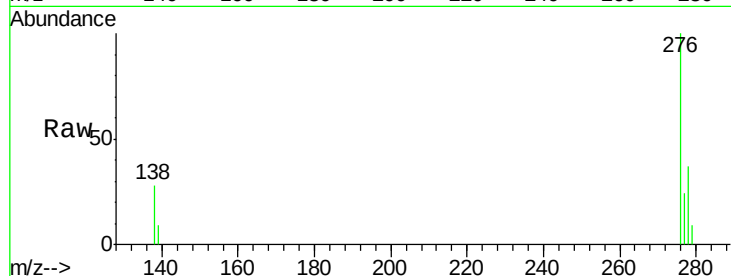




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.81 ng
 RT: 25.78 min Scan# 3827
 Delta R.T. 0.00 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

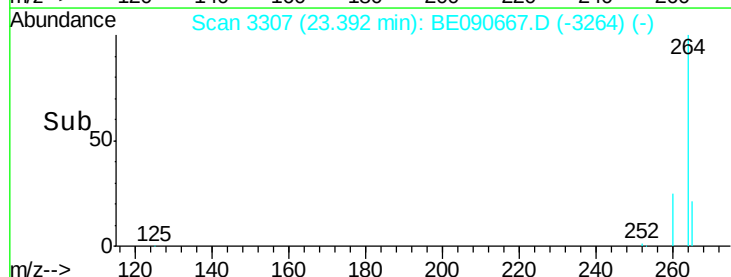
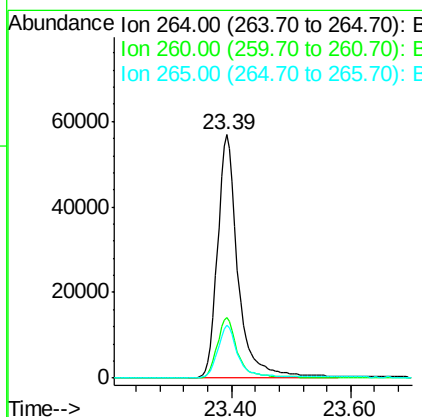
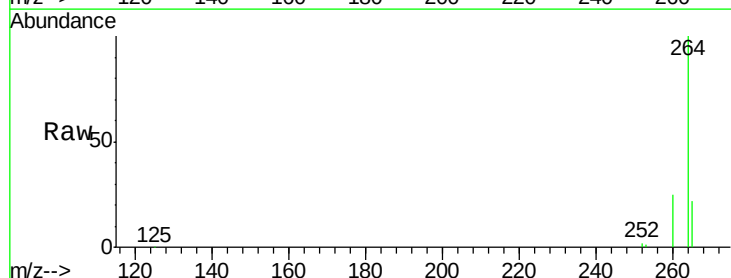
Instrument :
 BNA_E
 ClientSampleId :

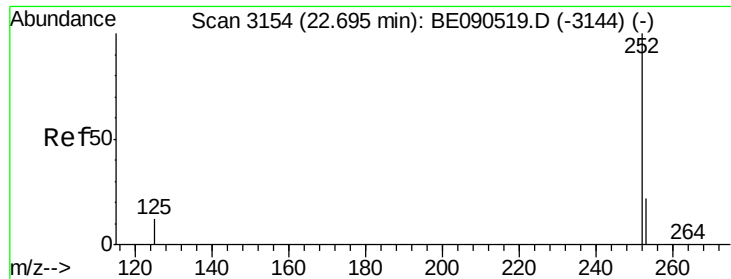
Tot Ion:276 Resp: 33274
 Ion Ratio Lower Upper
 276 100
 138 28.6 18.8 28.2#
 277 24.2 18.2 27.4



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090667.D
 Acq: 28 Aug 2015 21:54

Tgt Ion:264 Resp: 136121
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.1 30.1
 265 21.6 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.92 ng

RT: 22.70 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :

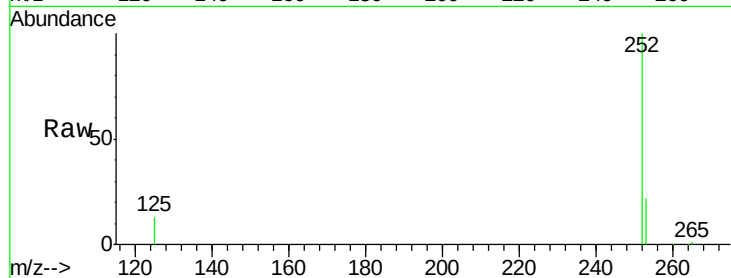
Tot Ion:252 Resp: 29721

Ion Ratio Lower Upper

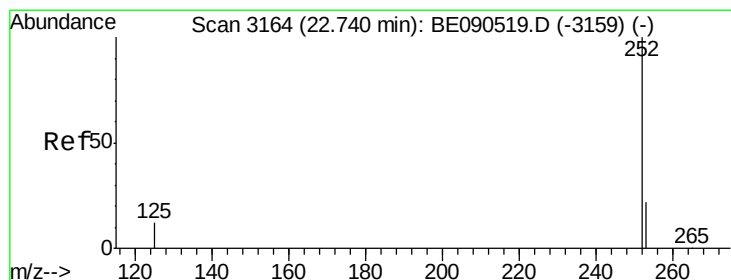
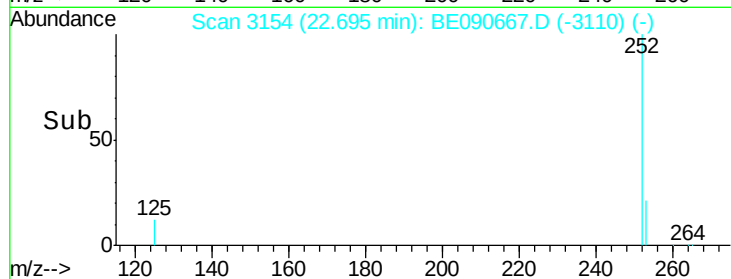
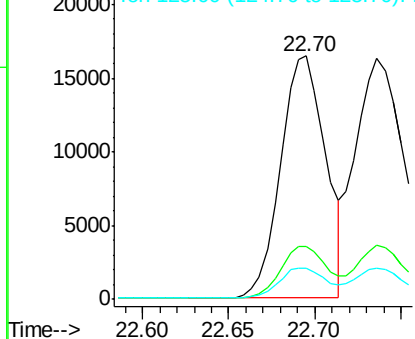
252 100

253 21.9 18.1 27.1

125 12.9 9.4 14.2



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



#34

Benzo(k)fluoranthene

Concen: 1.03 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

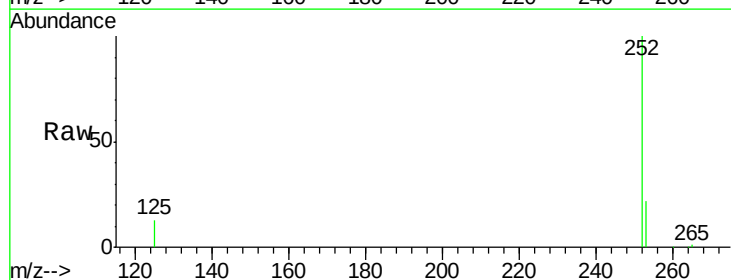
Tgt Ion:252 Resp: 37460

Ion Ratio Lower Upper

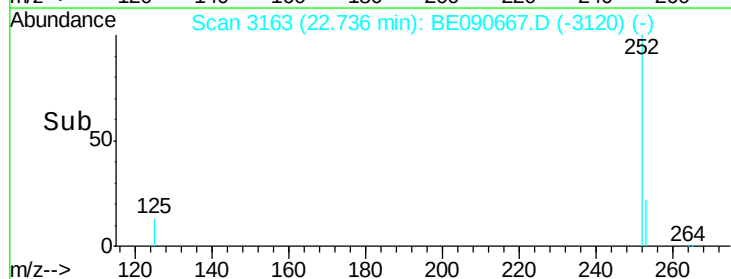
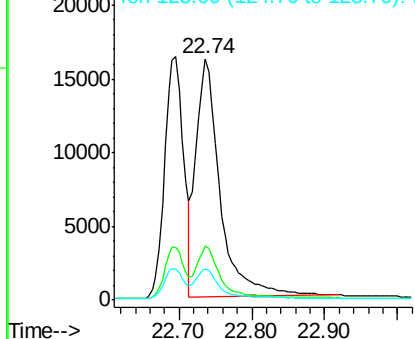
252 100

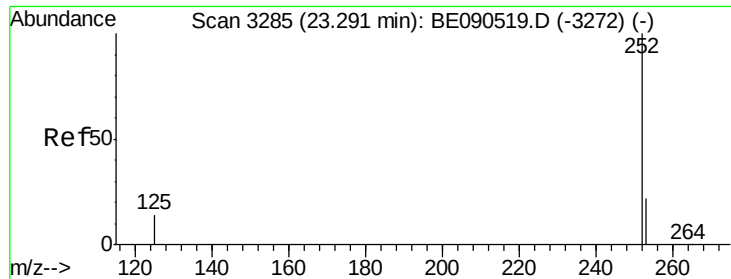
253 22.2 18.1 27.1

125 13.1 9.1 13.7



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





#35

Benzo(a)pyrene

Concen: 0.90 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090667.D

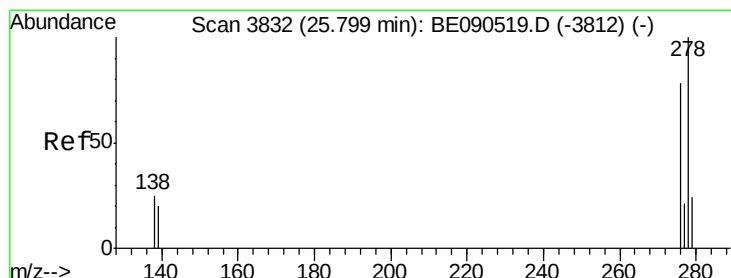
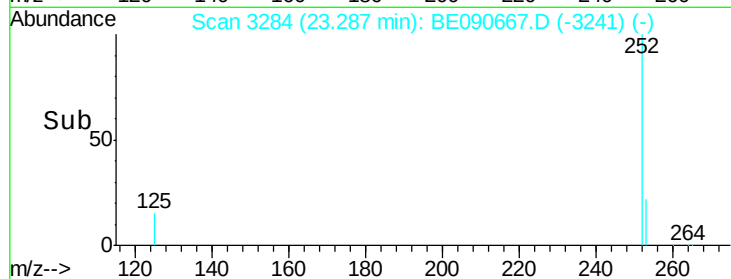
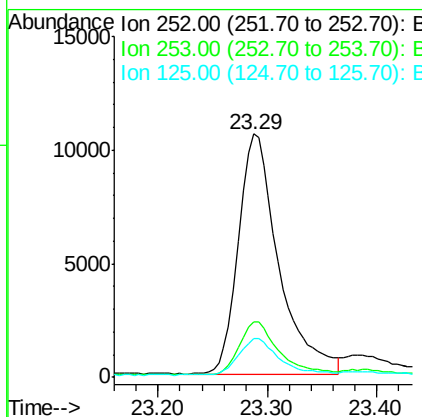
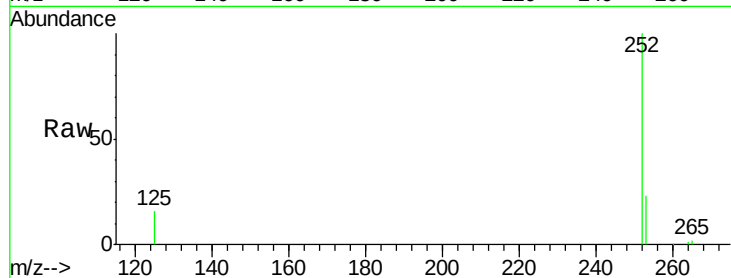
Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampled :

Tot Ion:	252	Resp:	27139
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	16.0	9.8	14.6#



#36

Dibenzo(a,h)anthracene

Concen: 0.84 ng

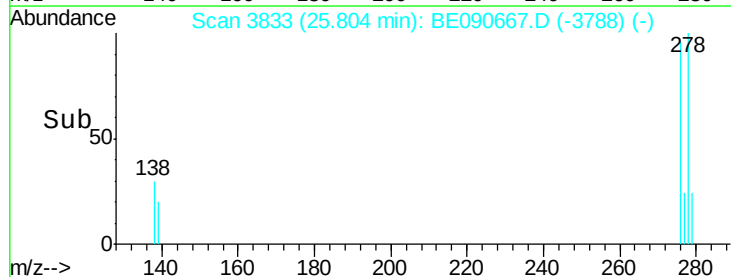
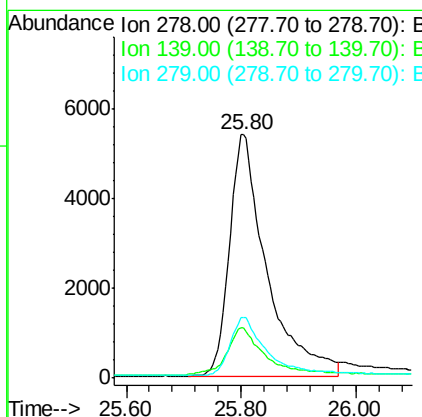
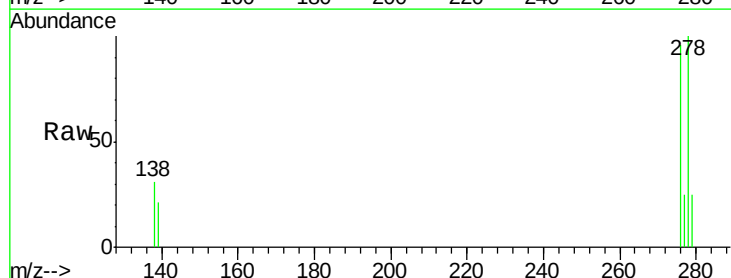
RT: 25.80 min Scan# 3833

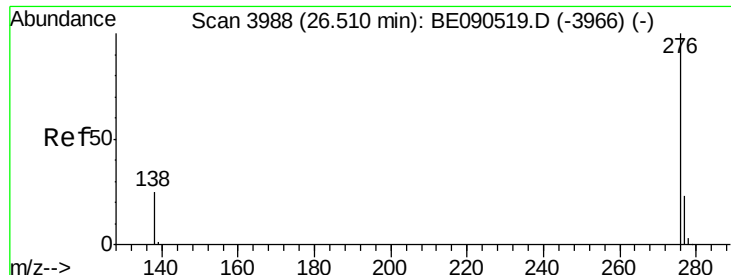
Delta R.T. 0.00 min

Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Tgt Ion:	278	Resp:	24352
Ion	Ratio	Lower	Upper
278	100		
139	20.9	14.2	21.4
279	25.0	20.1	30.1





#37

Benzo(a,h,i)perylene

Concen: 0.87 ng

RT: 26.50 min Scan# 3986

Delta R.T. -0.01 min

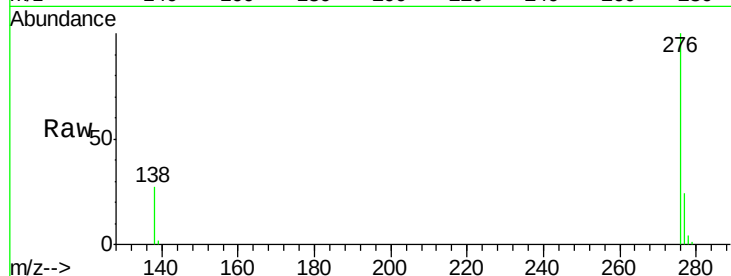
Lab File: BE090667.D

Acq: 28 Aug 2015 21:54

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 27816

Ion Ratio Lower Upper

276 100

277 23.9 20.1 30.1

138 27.2 18.1 27.1#

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

