

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090475.D
 Acq On : 12 Aug 2015 19:58
 Operator : UM/IZ
 Sample : G3250-03
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 01:21:28 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	20675	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	94998	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	55276	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	127154	5.00	ng	0.00
25) Chrysene-d12	21.09	240	145452	5.00	ng	0.00
32) Perylene-d12	23.40	264	130986	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	12372	3.99	ng	0.00
5) Phenol-d6	6.77	99	11997	1.98	ng	0.00
7) Nitrobenzene-d5	8.73	82	26037	3.43	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	13163	7.85	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	64775	4.26	ng	0.00
27) Terphenyl-d14	19.55	244	120017	5.60	ng	-0.01

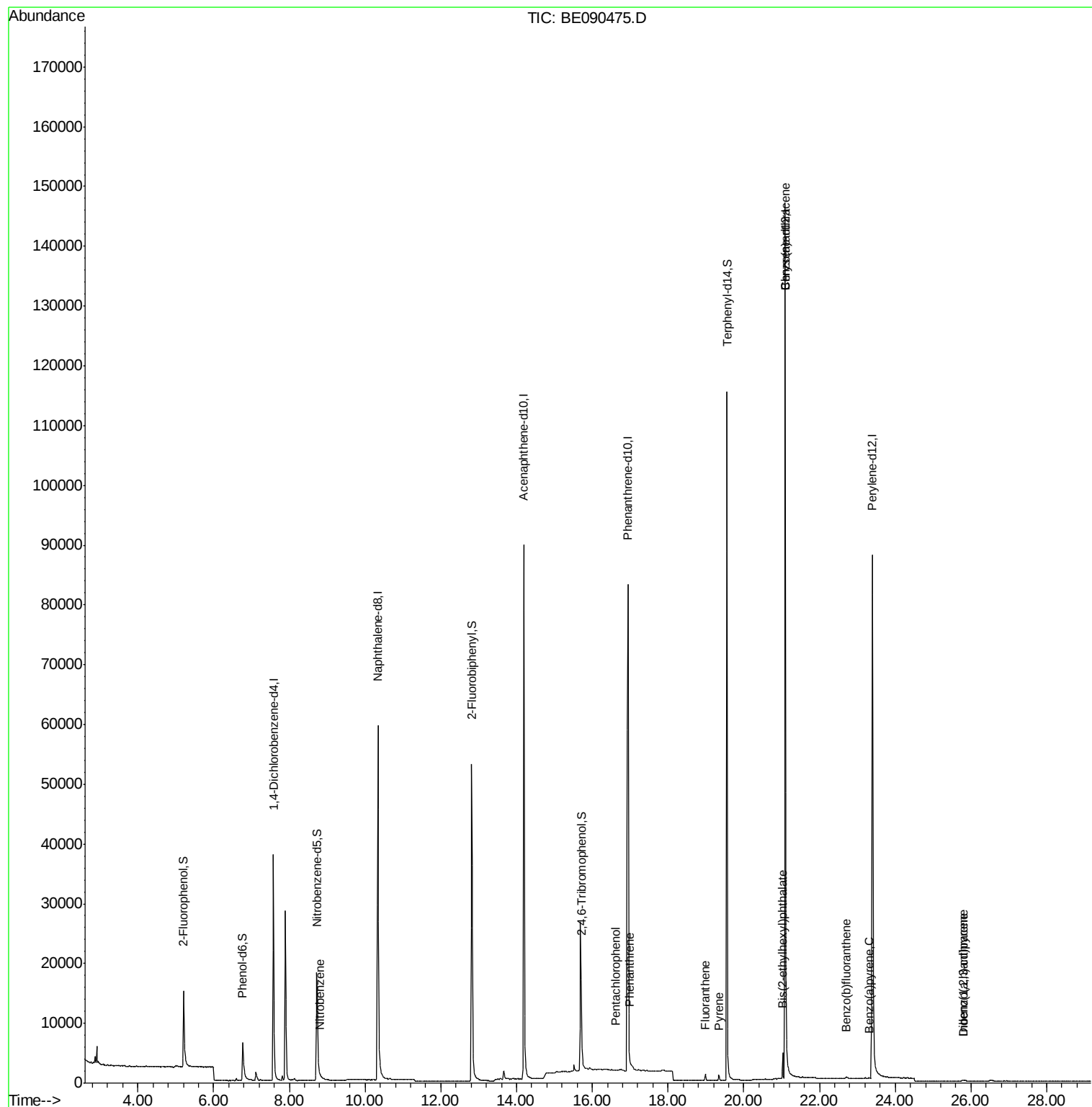
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	66	Below Cal	#	1
8) Nitrobenzene	8.81	77	9	0.21 ng	#	74
10) Hexachlorobutadiene	10.66	225	4	Below Cal	#	19
21) Pentachlorophenol	16.61	266	14	0.11 ng	#	71
22) Phenanthrene	16.98	178	1114	0.04 ng	#	81
24) Fluoranthene	18.99	202	1206	0.04 ng		96
26) Pyrene	19.34	202	1009	0.03 ng	#	92
28) Benzo(a)anthracene	21.09	228	865	0.03 ng	#	82
30) Bis(2-ethylhexyl)phthalate	21.03	149	4090	0.62 ng		98
31) Indeno(1,2,3-cd)pyrene	25.80	276	244	0.26 ng	#	61
33) Benzo(b)fluoranthene	22.70	252	431	0.21 ng	#	3
35) Benzo(a)pyrene	23.30	252	276	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	106	0.29 ng	#	1

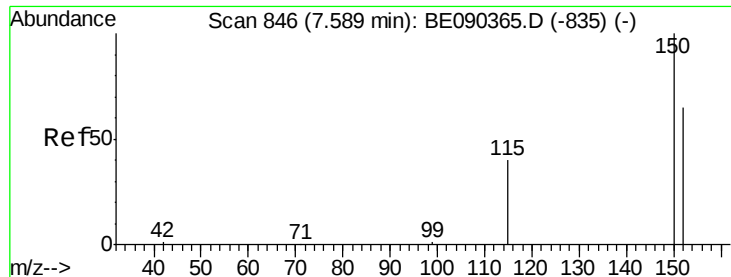
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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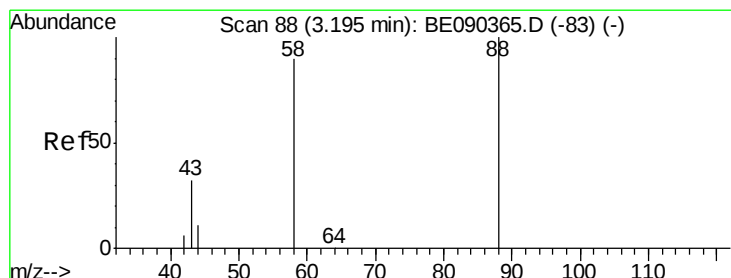
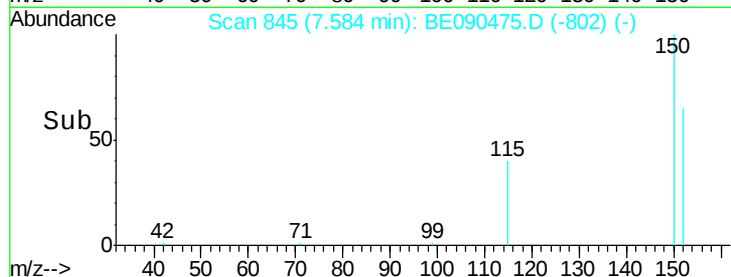
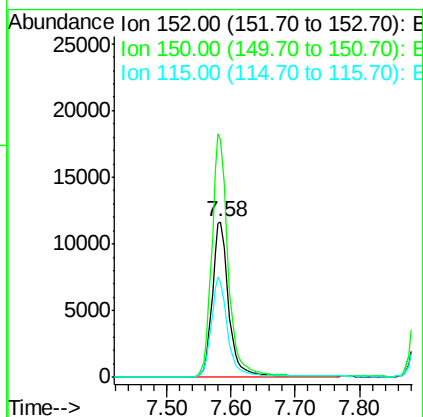
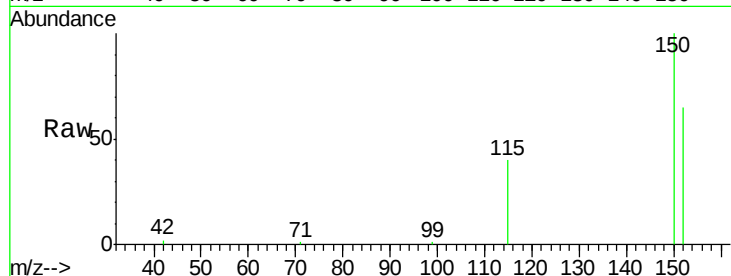


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.00 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

Instrument :
BNA_E
ClientSampled :

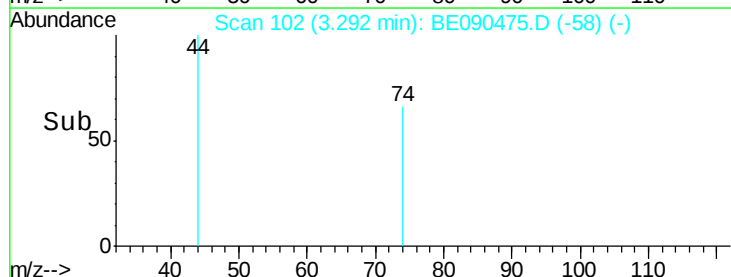
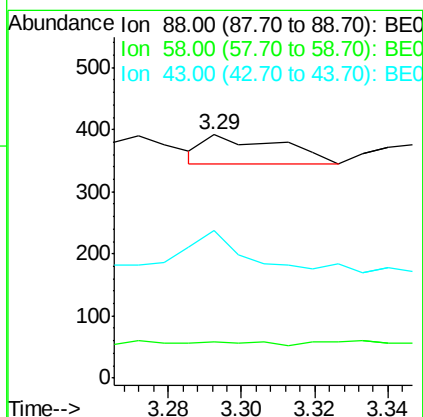
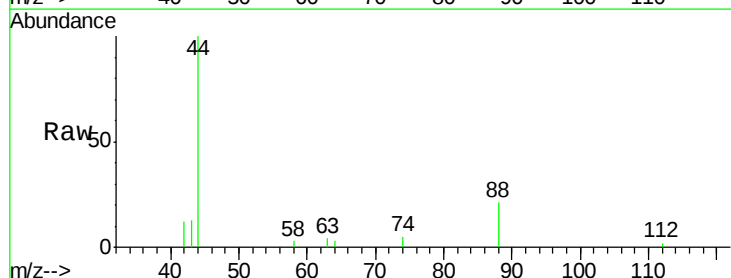
Tot Ion:152 Resp: 20675
Ion Ratio Lower Upper
152 100
150 152.9 123.0 184.4
115 61.5 48.9 73.3

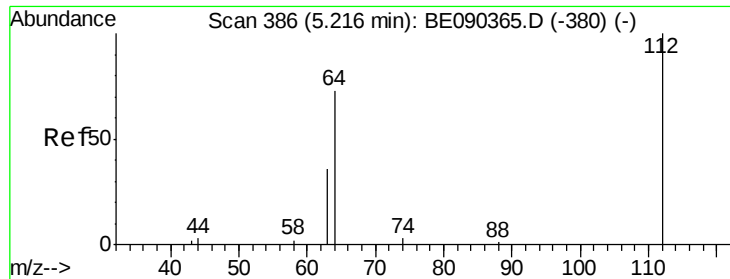


#2

1,4-Dioxane
Concen: Below Cal
RT: 3.29 min Scan# 102
Delta R.T. 0.10 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
58 9.1 70.0 105.0#
43 142.4 28.4 42.6#





#4

2-Fluorophenol

Concen: 3.99 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

Instrument :

BNA_E

ClientSampleId :

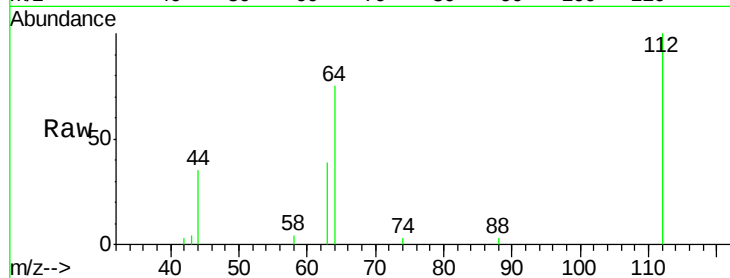
Tot Ion:112 Resp: 12372

Ion Ratio Lower Upper

112 100

64 71.8 37.1 55.7#

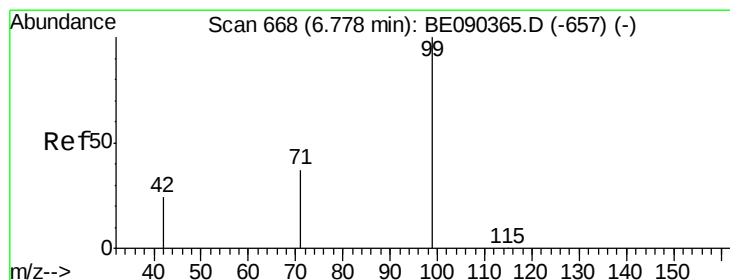
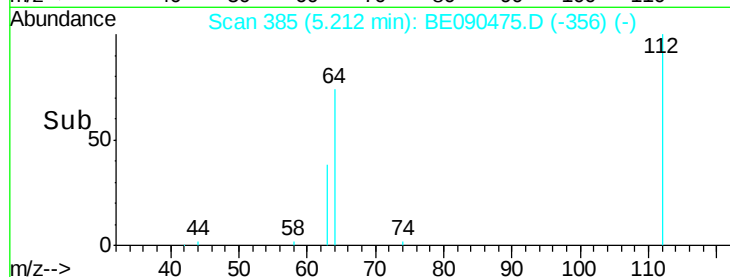
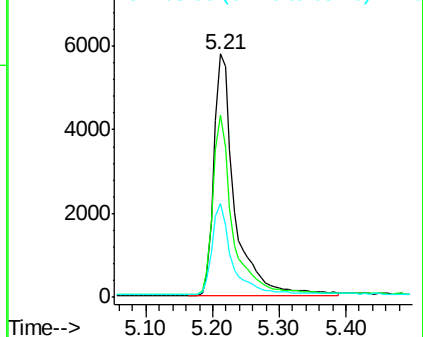
63 36.1 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.98 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

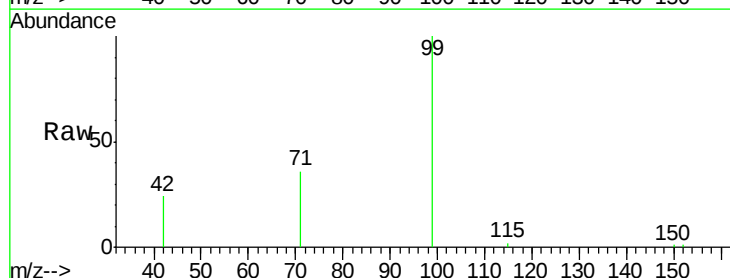
Tgt Ion: 99 Resp: 11997

Ion Ratio Lower Upper

99 100

42 21.0 18.2 27.4

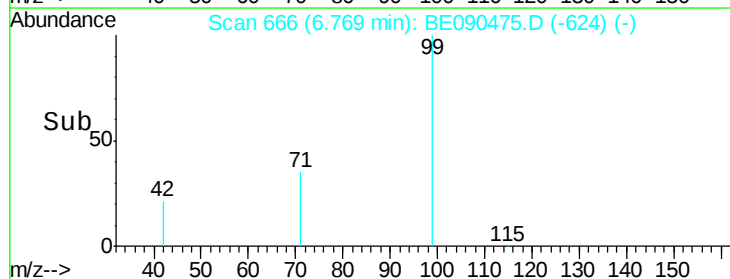
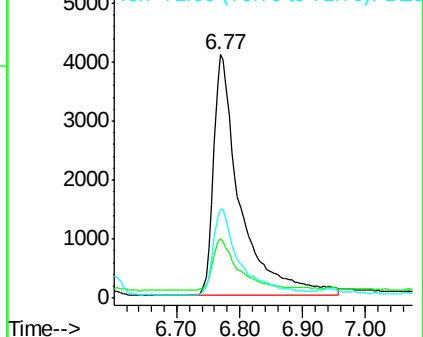
71 35.8 27.4 41.0

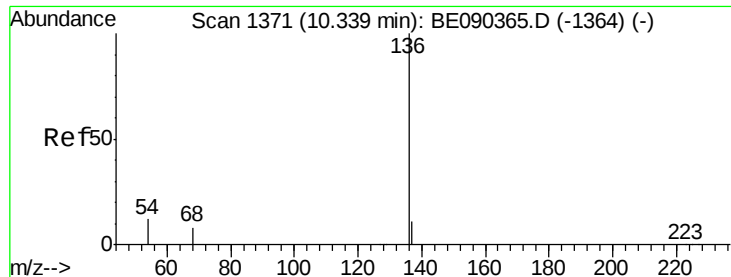


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 94998

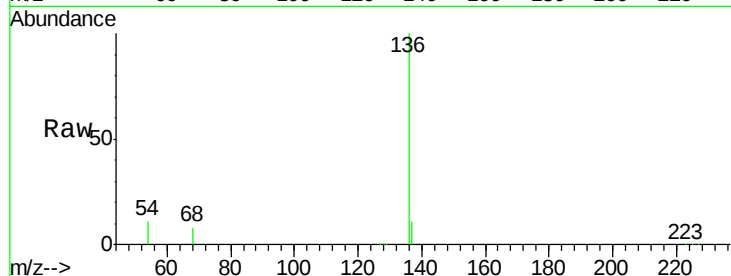
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.9 9.4 14.0

68 7.9 6.5 9.7

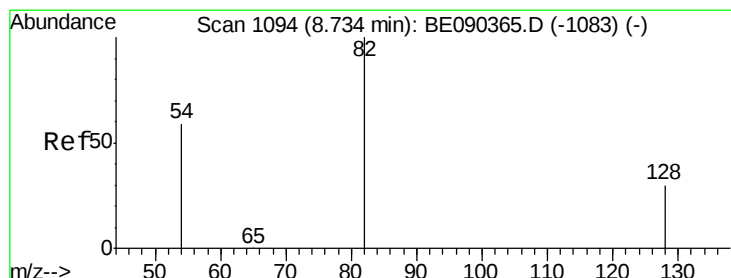
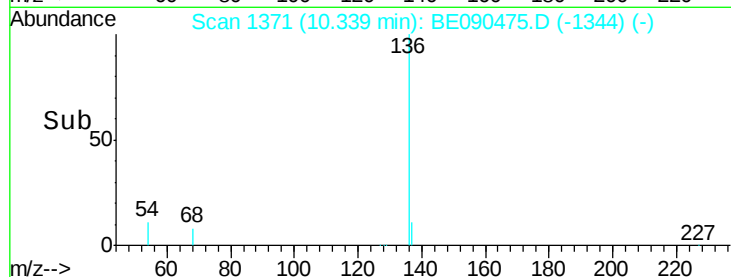
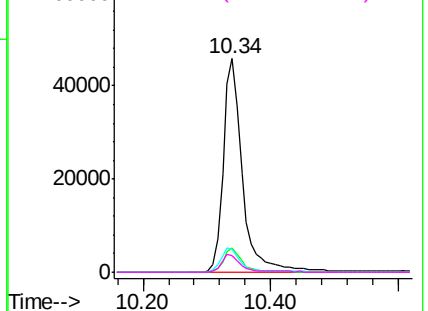


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#7

Nitrobenzene-d5

Concen: 3.43 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

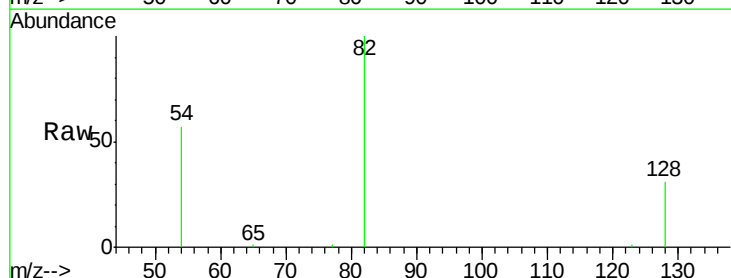
Tgt Ion: 82 Resp: 26037

Ion Ratio Lower Upper

82 100

128 31.0 25.0 37.6

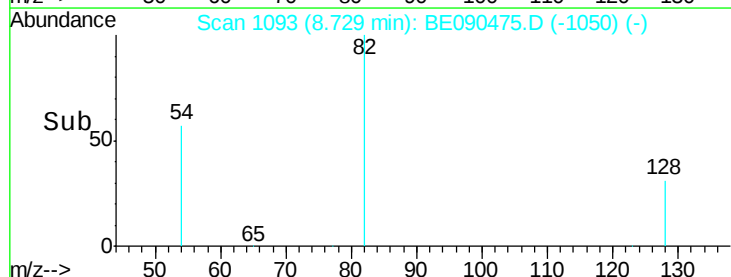
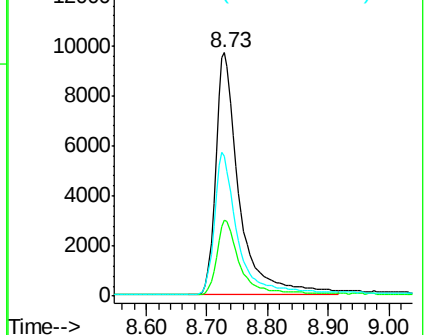
54 57.4 48.8 73.2

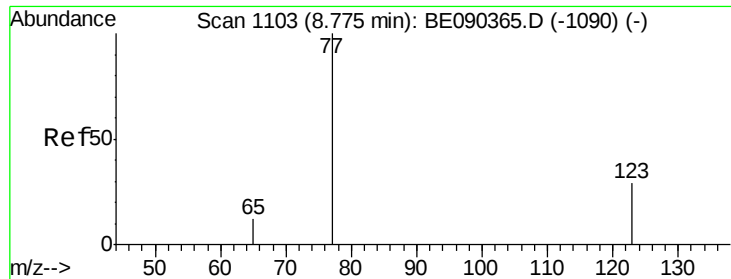


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.81 min Scan# 1111

Delta R.T. 0.04 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

Instrument :

BNA_E

ClientSampleId :

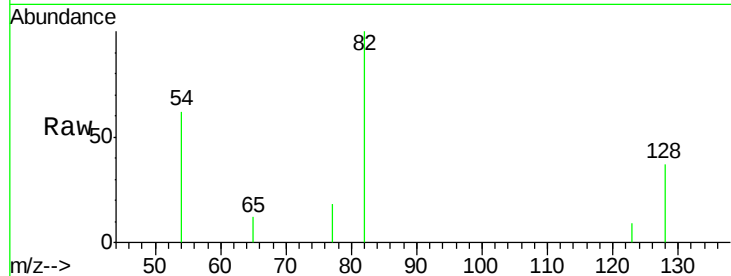
Tot Ion: 77 Resp: 9

Ion Ratio Lower Upper

77 100

123 33.3 25.1 37.7

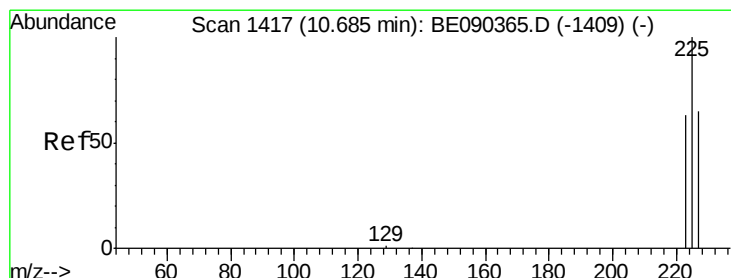
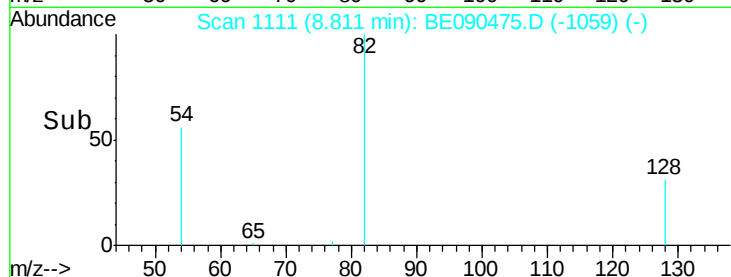
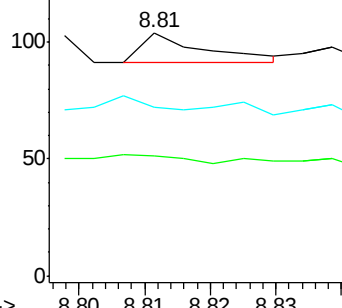
65 44.4 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.66 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

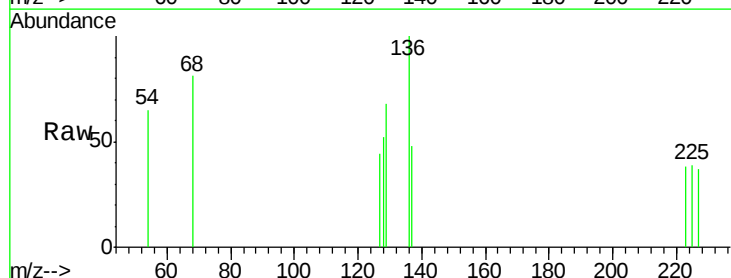
Tgt Ion: 225 Resp: 4

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

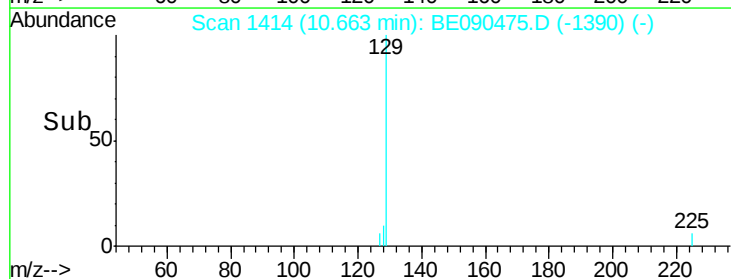
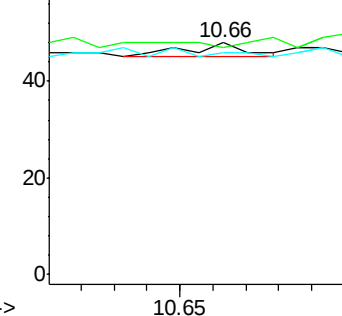
227 0.0 50.7 76.1#

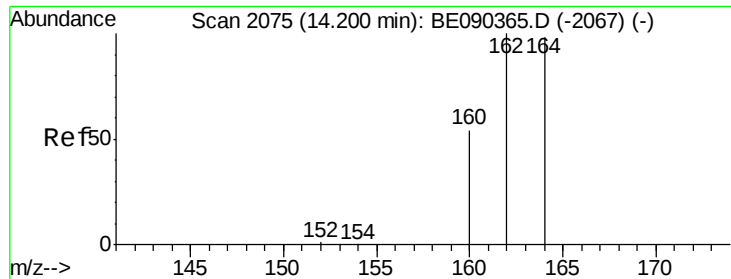


Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

Instrument :

BNA_E

ClientSampleId :

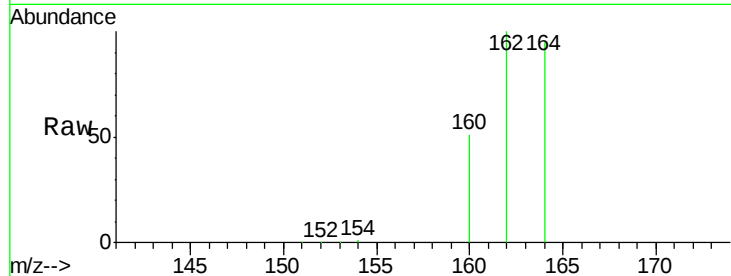
Tot Ion:164 Resp: 55276

Ion Ratio Lower Upper

164 100

162 105.1 81.8 122.8

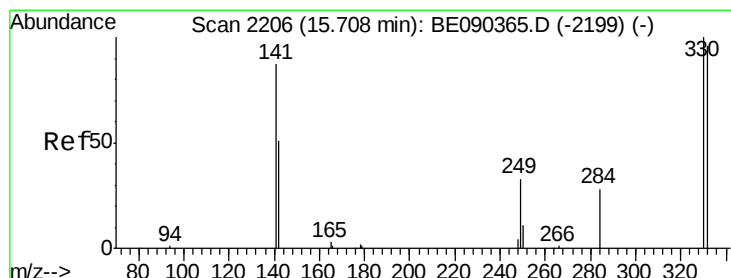
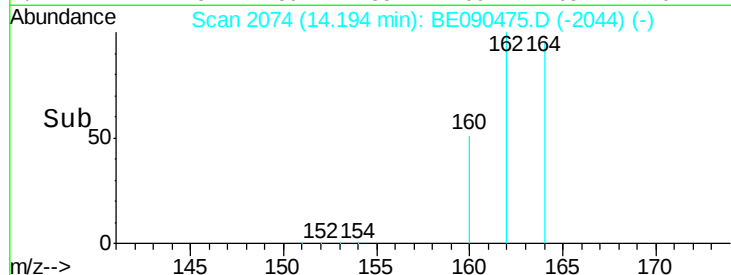
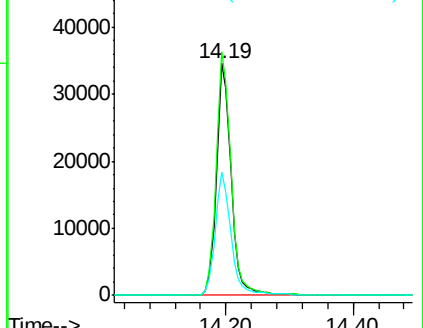
160 53.3 44.2 66.4



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: 7.85 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

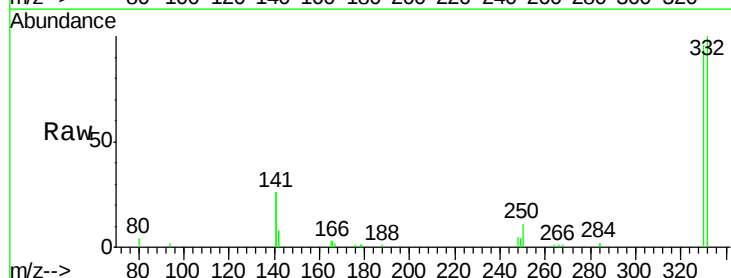
Tgt Ion:330 Resp: 13163

Ion Ratio Lower Upper

330 100

332 98.6 75.8 113.6

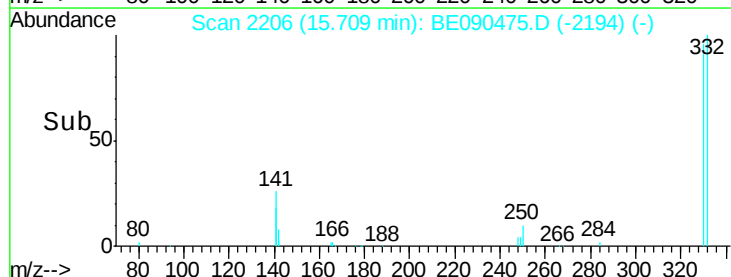
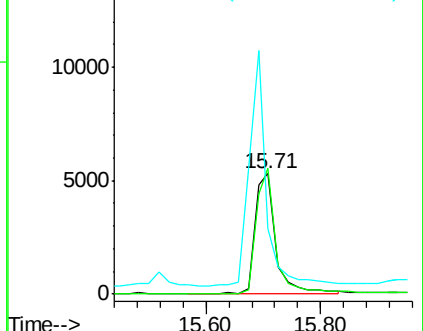
141 163.7 114.4 171.6

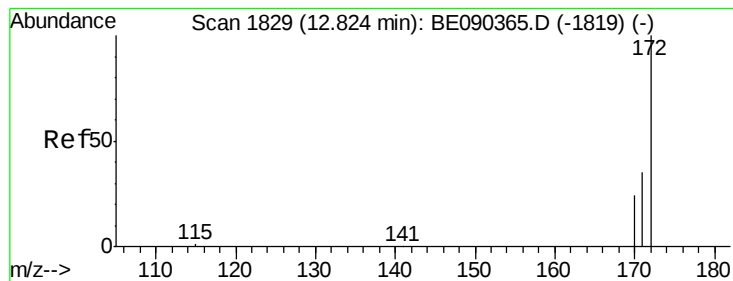


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

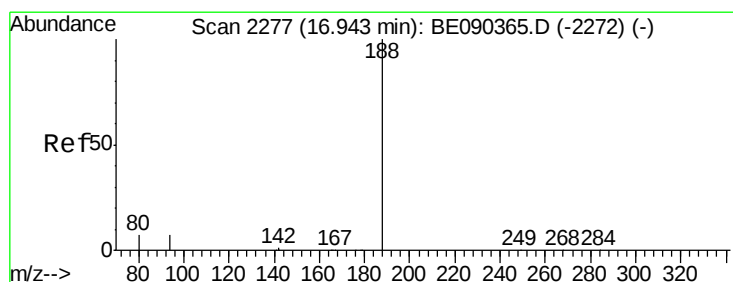
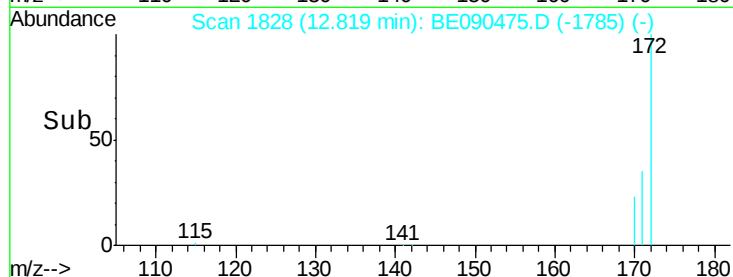
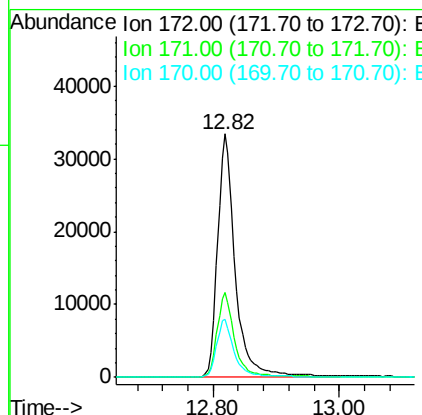
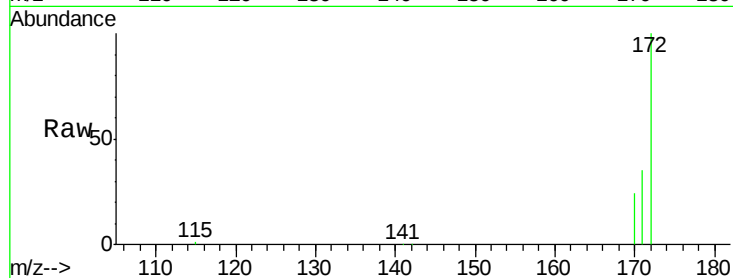




#14
2-Fluorobiphenyl
Concen: 4.26 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

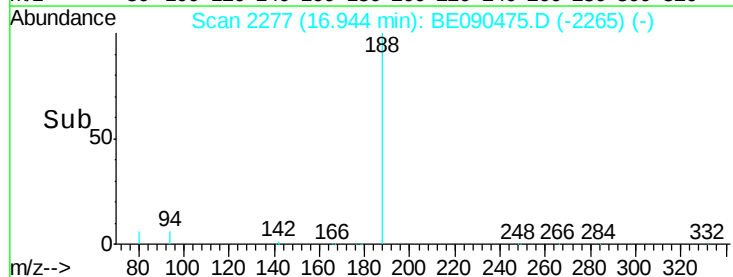
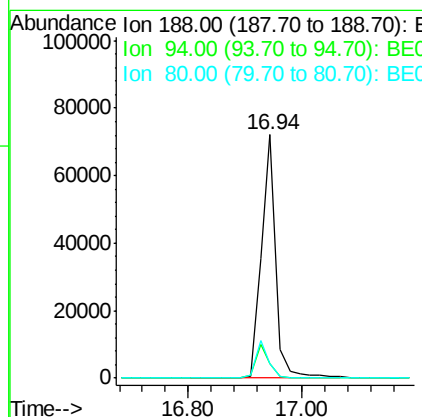
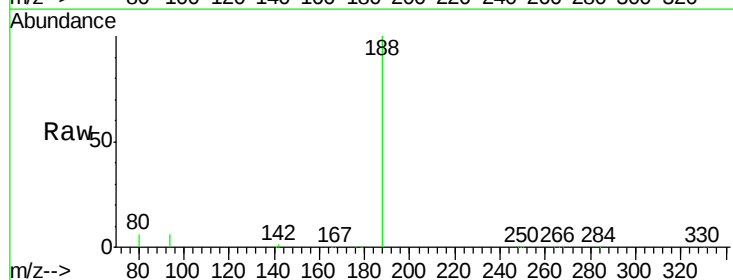
Instrument :
BNA_E
ClientSampleId :

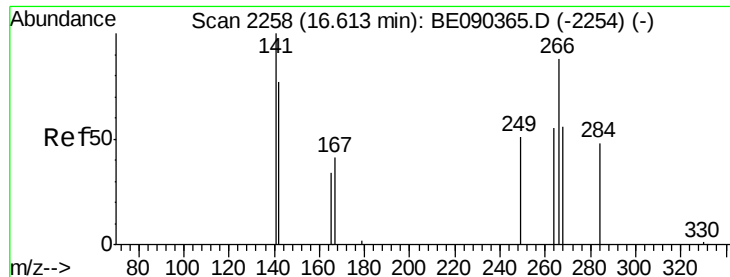
Tot Ion:172 Resp: 64775
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 23.6 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

Tgt Ion:188 Resp: 127154
Ion Ratio Lower Upper
188 100
94 6.0 5.7 8.5
80 6.2 5.8 8.8

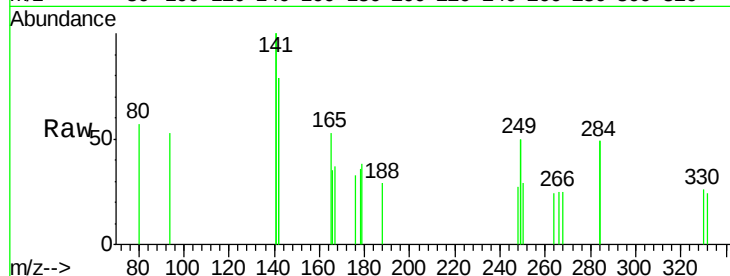




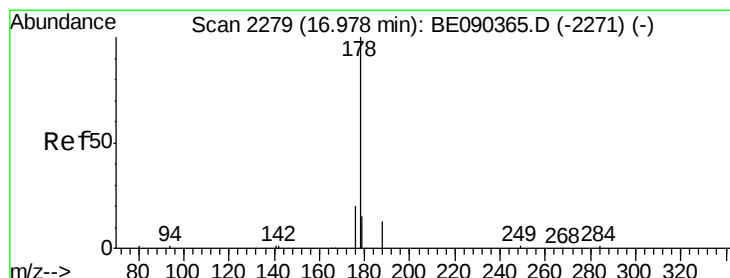
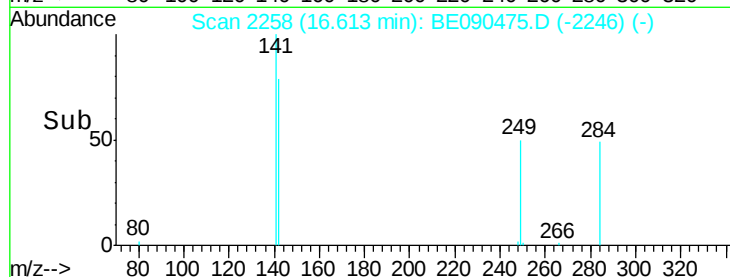
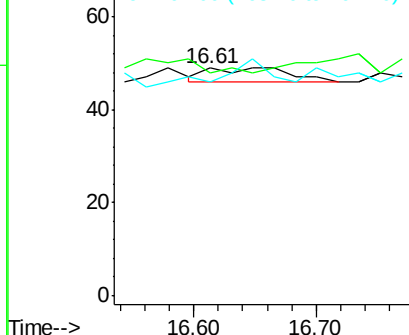
#21
 Pentachlorophenol
 Concen: 0.11 ng
 RT: 16.61 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: BE090475.D
 Acq: 12 Aug 2015 19:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:266 Resp: 14
 Ion Ratio Lower Upper
 266 100
 268 98.0 58.5 87.7#
 264 93.9 56.0 84.0#

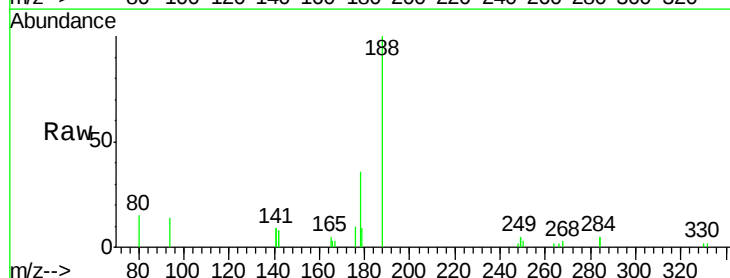


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

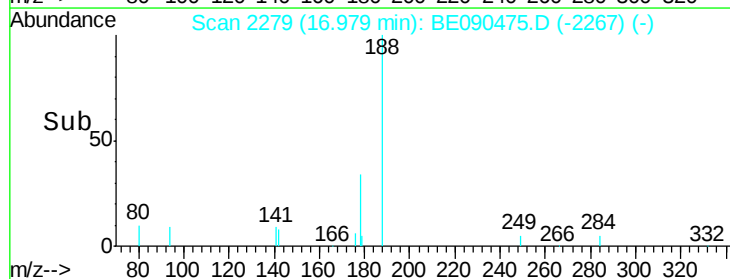
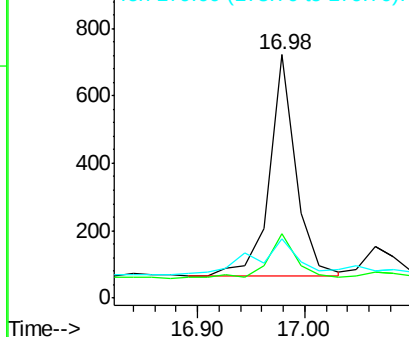


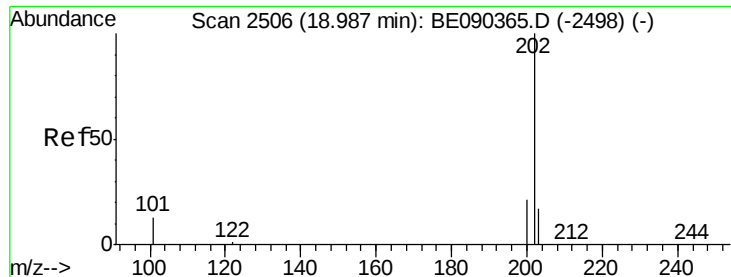
#22
 Phenanthrene
 Concen: 0.04 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090475.D
 Acq: 12 Aug 2015 19:58

Tgt Ion:178 Resp: 1114
 Ion Ratio Lower Upper
 178 100
 176 23.2 15.4 23.2
 179 29.2 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





#24

Fluoranthene

Concen: 0.04 ng

RT: 18.99 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

Instrument :

BNA_E

ClientSampled :

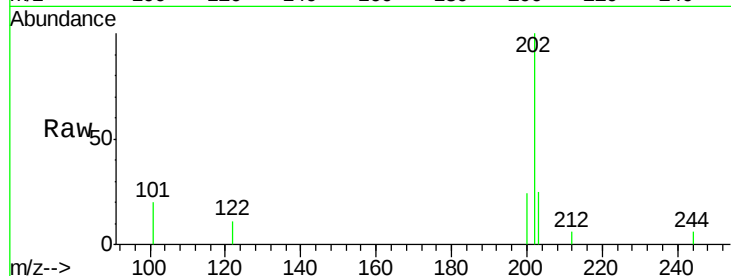
Tot Ion:202 Resp: 1206

Ion Ratio Lower Upper

202 100

101 15.0 10.3 15.5

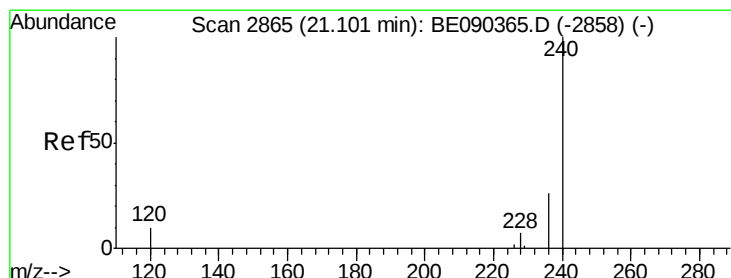
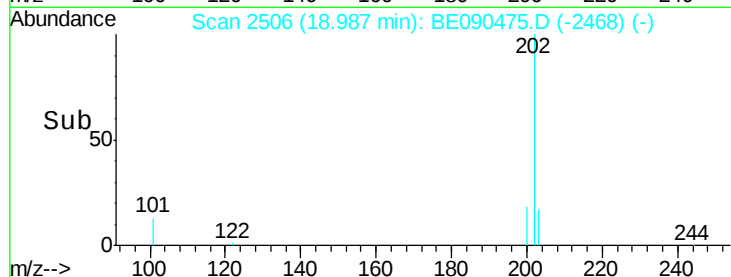
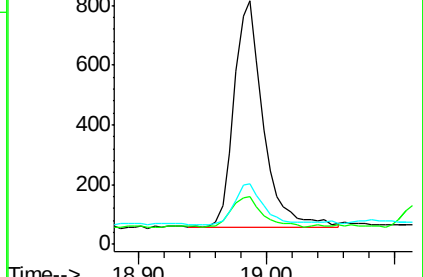
203 18.2 13.7 20.5



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

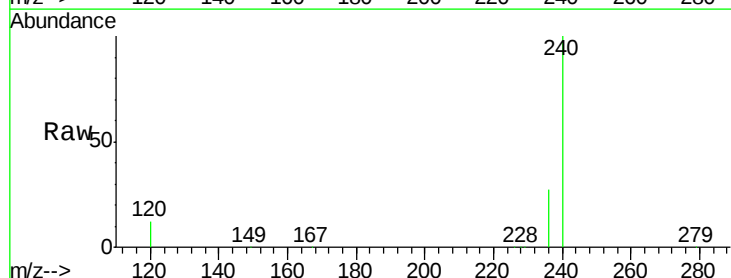
Tgt Ion:240 Resp: 145452

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

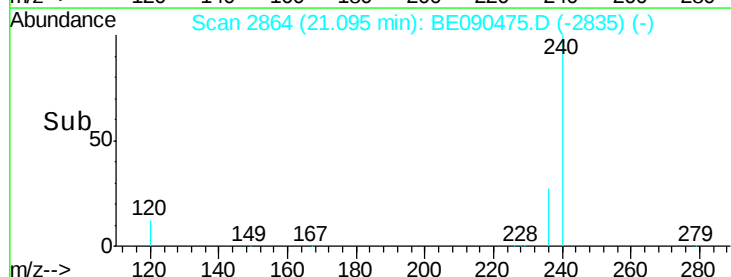
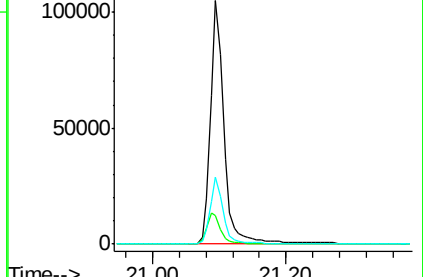
236 27.4 21.0 31.4

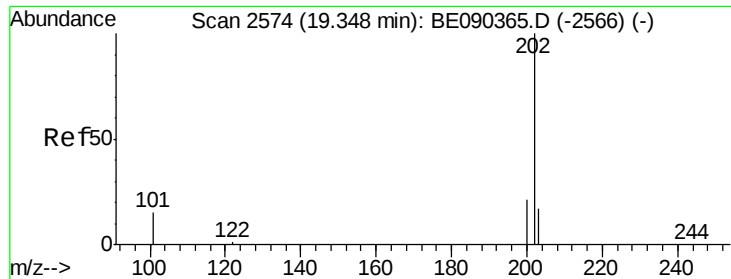


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

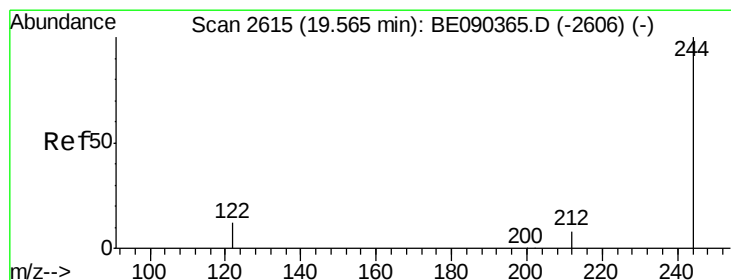
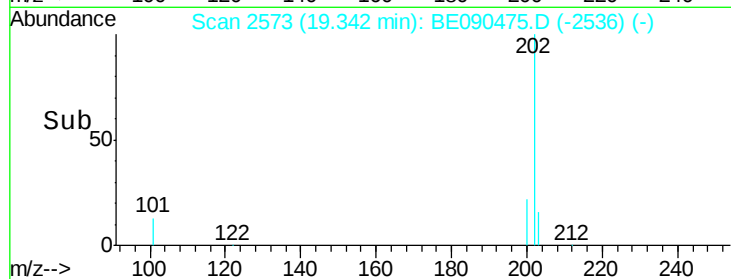
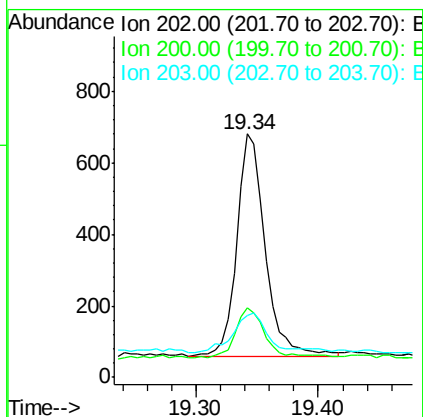
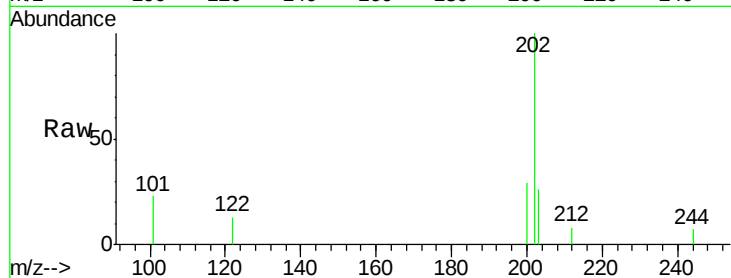




#26
Pvrene
Concen: 0.03 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

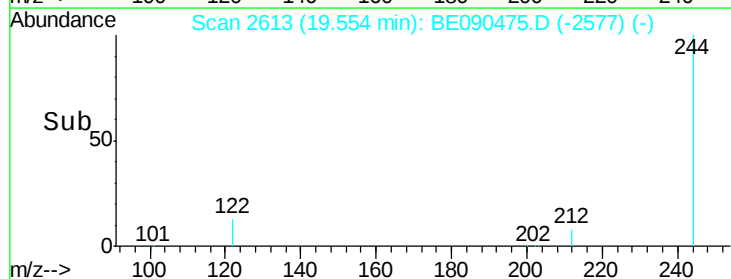
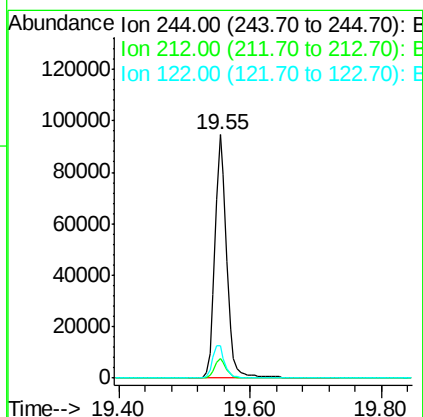
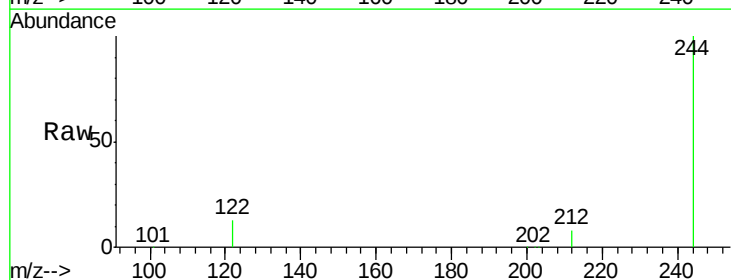
Instrument :
BNA_E
ClientSampleId :

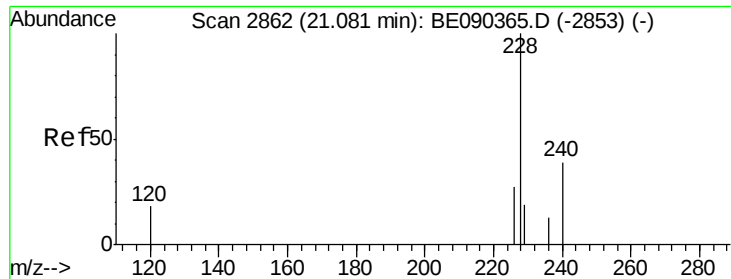
Tot Ion:202 Resp: 1009
Ion Ratio Lower Upper
202 100
200 23.7 16.7 25.1
203 22.2 13.8 20.8#



#27
Terphenyl-d14
Concen: 5.60 ng
RT: 19.55 min Scan# 2613
Delta R.T. -0.01 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

Tgt Ion:244 Resp: 120017
Ion Ratio Lower Upper
244 100
212 8.1 6.6 9.8
122 13.2 10.2 15.4

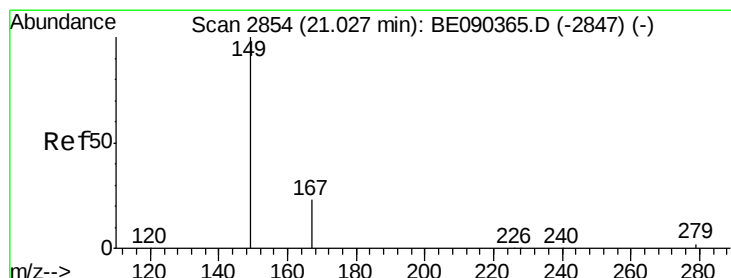
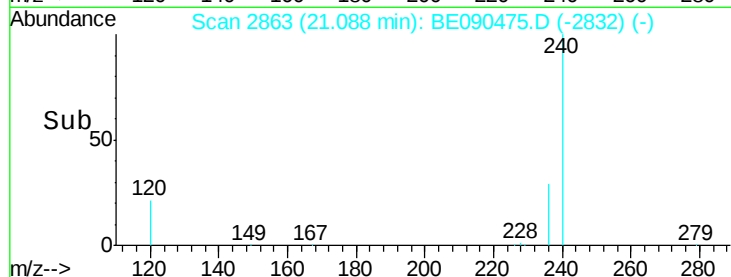
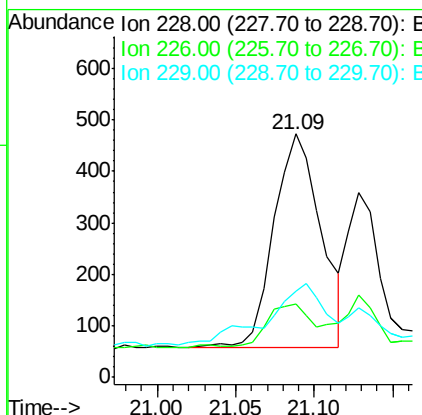
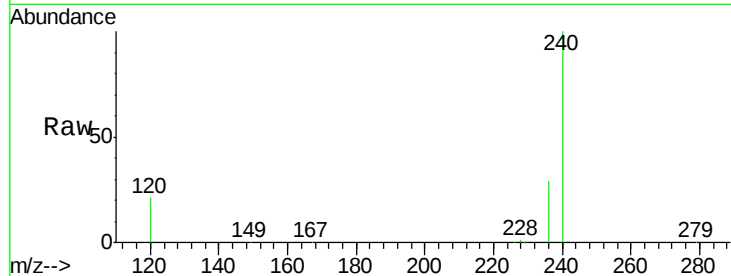




#28
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.09 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

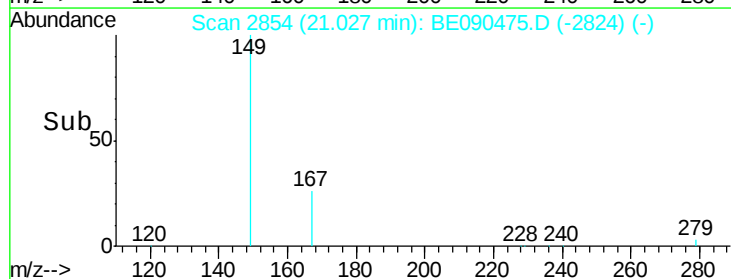
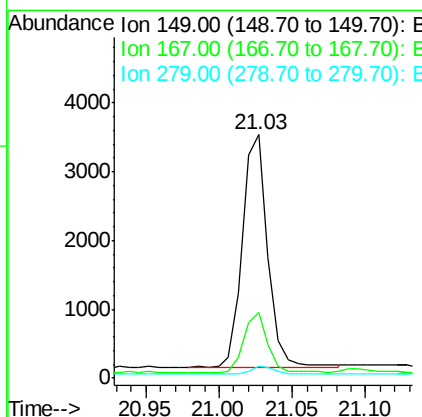
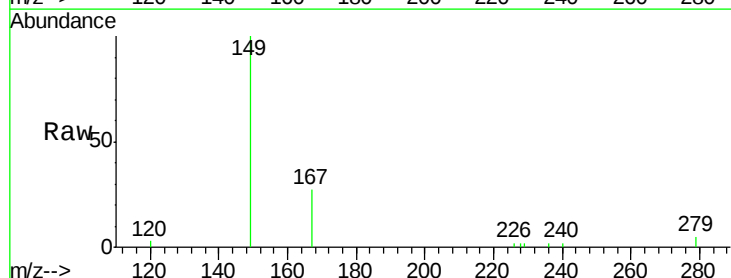
Instrument :
BNA_E
ClientSampleId :

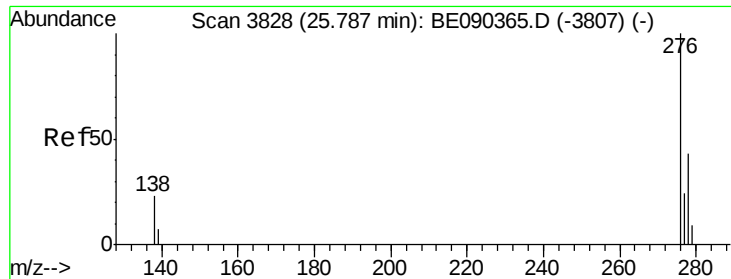
Tot Ion:228 Resp: 865
Ion Ratio Lower Upper
228 100
226 30.0 21.9 32.9
229 35.5 15.4 23.0#



#30
Bis(2-ethylhexyl)phthalate
Concen: 0.62 ng
RT: 21.03 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

Tgt Ion:149 Resp: 4090
Ion Ratio Lower Upper
149 100
167 23.9 19.8 29.8
279 3.3 2.4 3.6

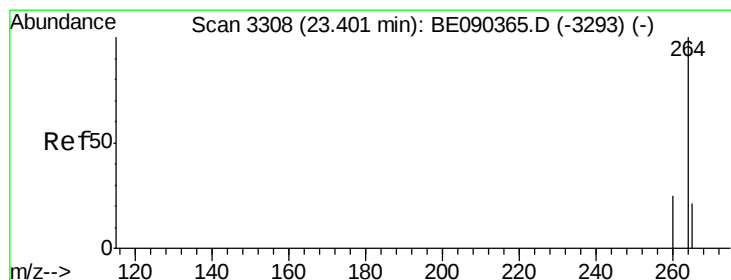
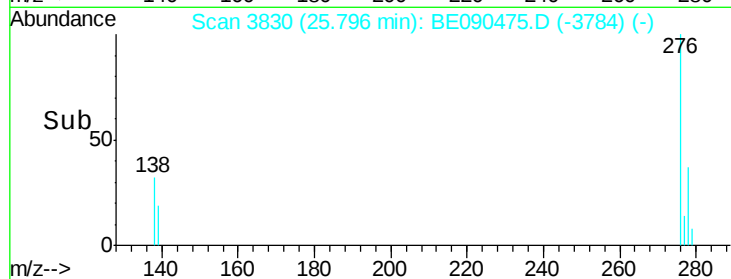
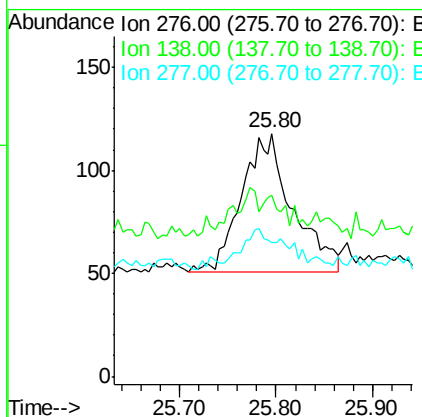
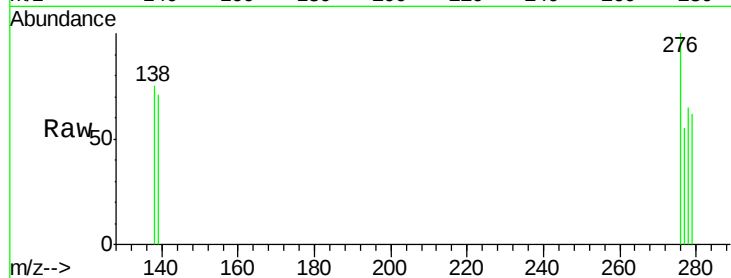




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.26 ng
RT: 25.80 min Scan# 3830
Delta R.T. 0.01 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

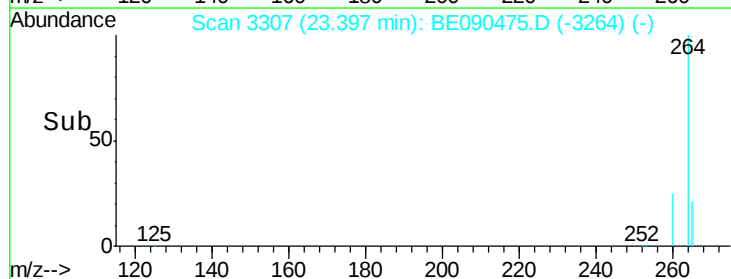
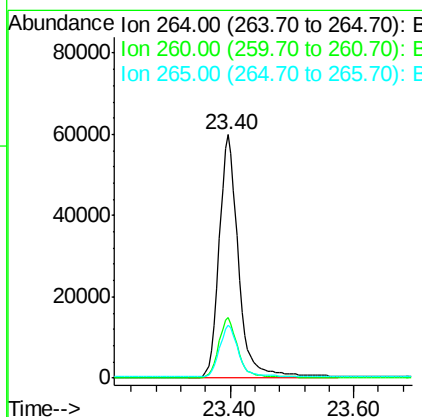
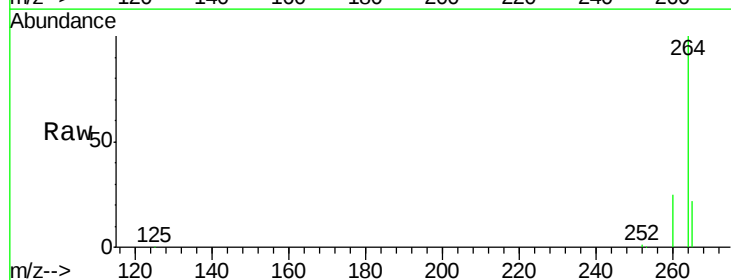
Instrument :
BNA_E
ClientSampleId :

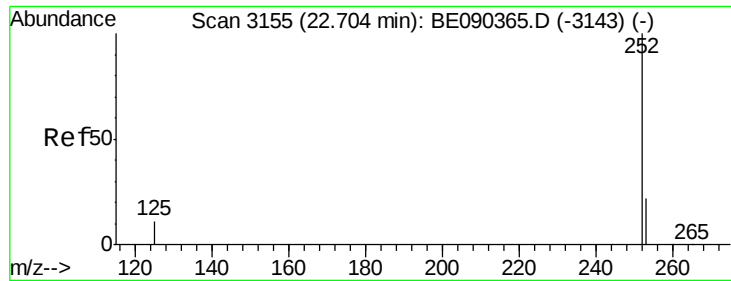
Tot Ion:276 Resp: 244
Ion Ratio Lower Upper
276 100
138 8.6 18.8 28.2#
277 0.0 18.2 27.4#



#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3307
Delta R.T. -0.00 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

Tgt Ion:264 Resp: 130986
Ion Ratio Lower Upper
264 100
260 24.7 20.1 30.1
265 21.6 17.2 25.8

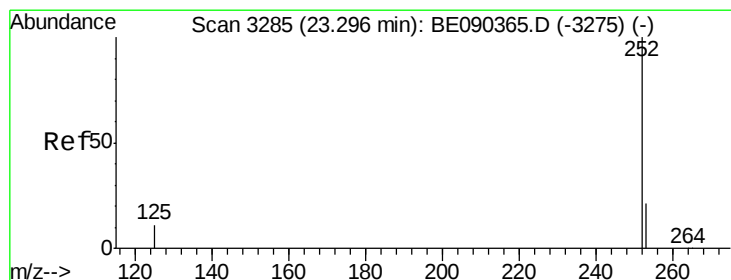
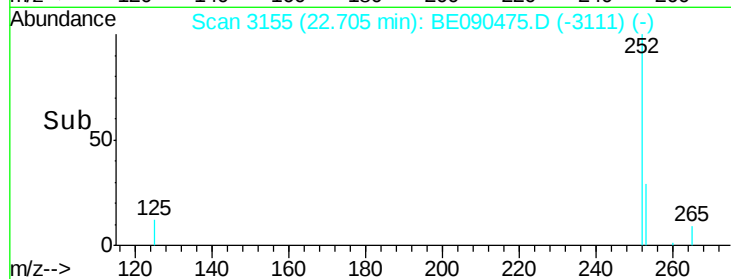
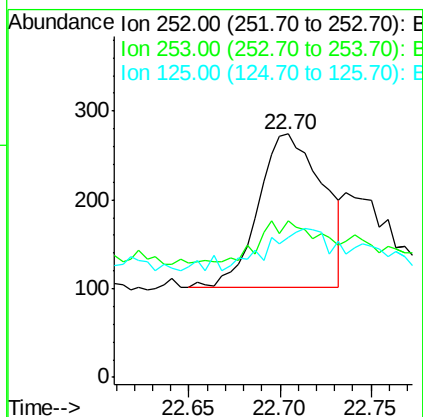
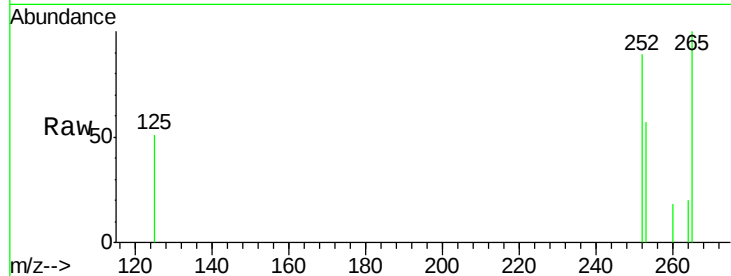




#33
Benzo(b)fluoranthene
Concen: 0.21 ng
RT: 22.70 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

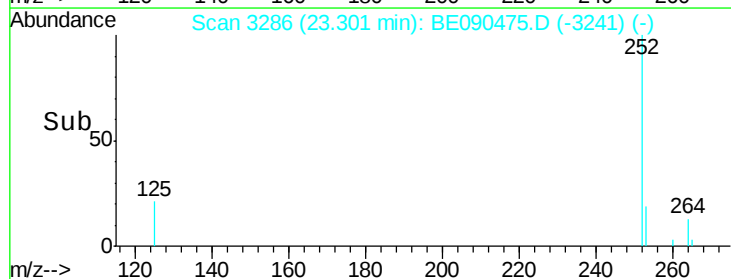
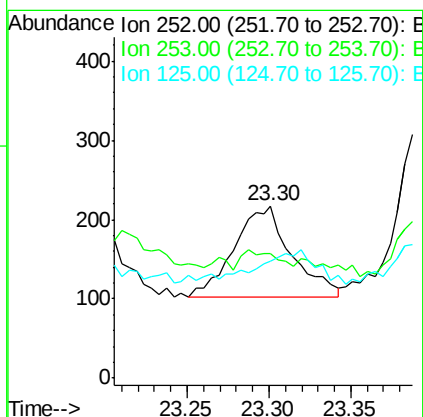
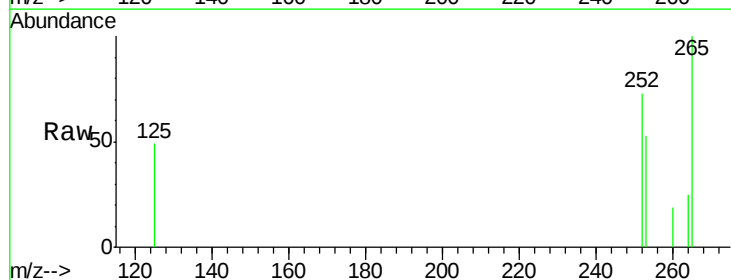
Instrument :
BNA_E
ClientSampleId :

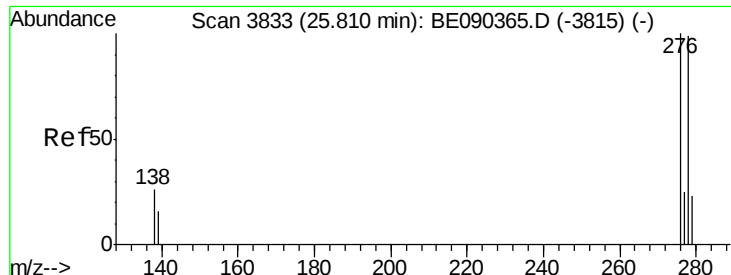
Tot Ion:252 Resp: 431
Ion Ratio Lower Upper
252 100
253 64.2 18.1 27.1#
125 57.7 9.4 14.2#



#35
Benzo(a)pyrene
Concen: 0.24 ng
RT: 23.30 min Scan# 3286
Delta R.T. 0.01 min
Lab File: BE090475.D
Acq: 12 Aug 2015 19:58

Tgt Ion:252 Resp: 276
Ion Ratio Lower Upper
252 100
253 72.8 17.6 26.4#
125 67.7 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3831

Delta R.T. -0.01 min

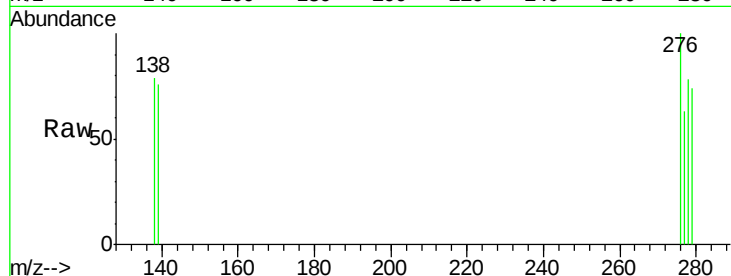
Lab File: BE090475.D

Acq: 12 Aug 2015 19:58

Instrument :

BNA_E

ClientSampleId :



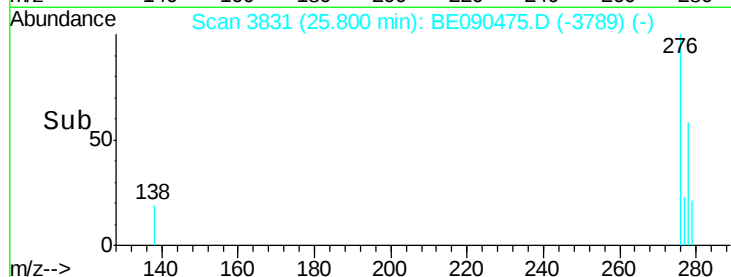
Tot Ion:278 Resp: 106

Ion Ratio Lower Upper

278 100

139 97.5 14.2 21.4#

279 95.0 20.1 30.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

