

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090469.D
 Acq On : 12 Aug 2015 16:05
 Operator : UM/IZ
 Sample : G3236-18
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 01:20:20 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	20268	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	89708	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	51751	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	122818	5.00	ng	0.00
25) Chrysene-d12	21.09	240	140823	5.00	ng	0.00
32) Perylene-d12	23.40	264	127329	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	17190	5.65	ng	0.00
5) Phenol-d6	6.77	99	16430	2.66	ng	0.00
7) Nitrobenzene-d5	8.73	82	25829	3.60	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	14674	8.83	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	61371	4.31	ng	0.00
27) Terphenyl-d14	19.55	244	107869	5.20	ng	0.00

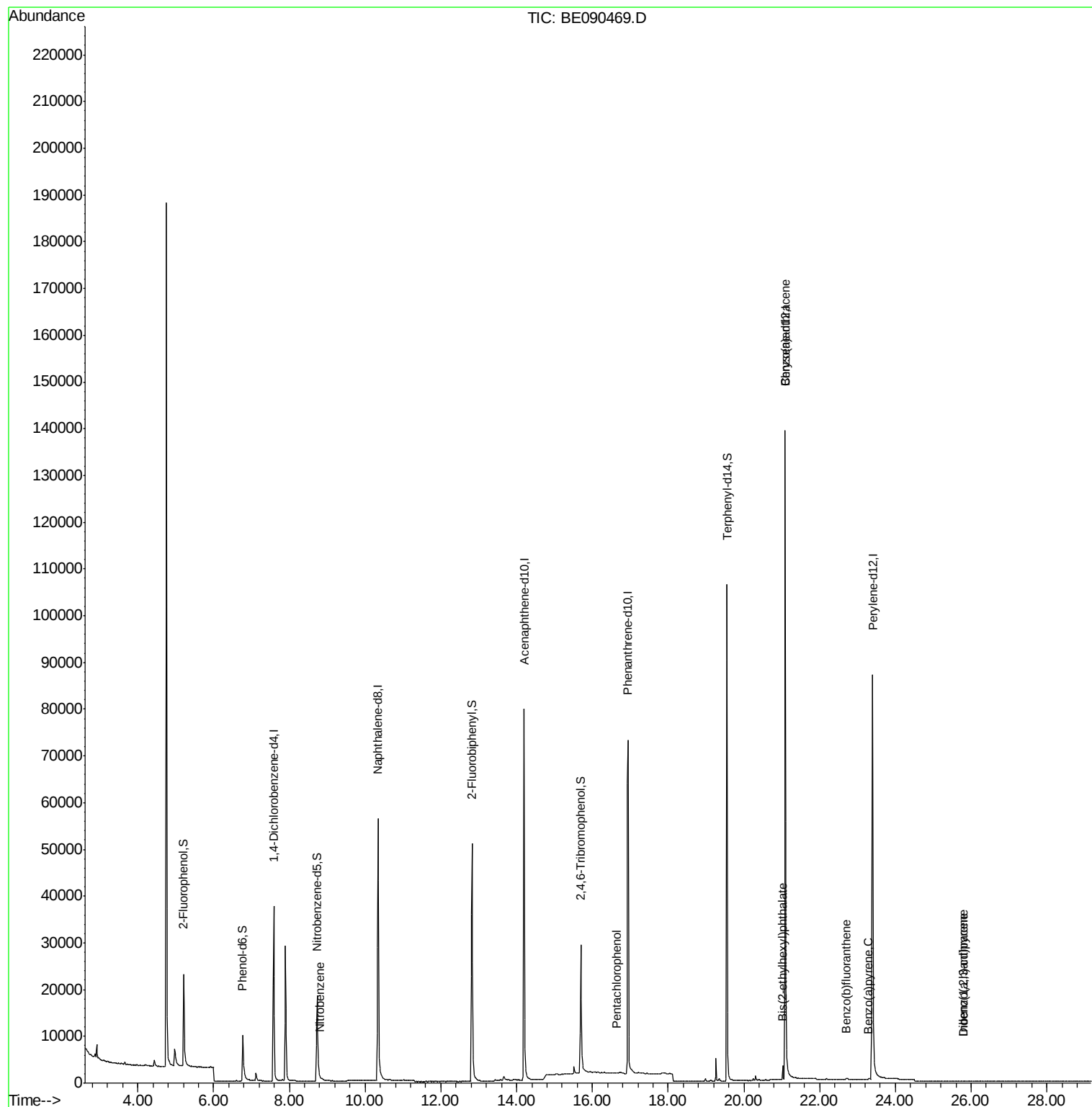
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	54	Below Cal	#	1
8) Nitrobenzene	8.82	77	5	0.21 ng	#	27
10) Hexachlorobutadiene	10.66	225	1	Below Cal	#	1
21) Pentachlorophenol	16.63	266	10	0.10 ng	#	63
28) Benzo(a)anthracene	21.09	228	630	0.02 ng	#	76
30) Bis(2-ethylhexyl)phthalate	21.03	149	2465	0.43 ng		97
31) Indeno(1,2,3-cd)pyrene	25.79	276	205	0.26 ng	#	77
33) Benzo(b)fluoranthene	22.71	252	301	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	160	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	121	0.29 ng	#	1

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

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Quant Time: Aug 13 01:20:20 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

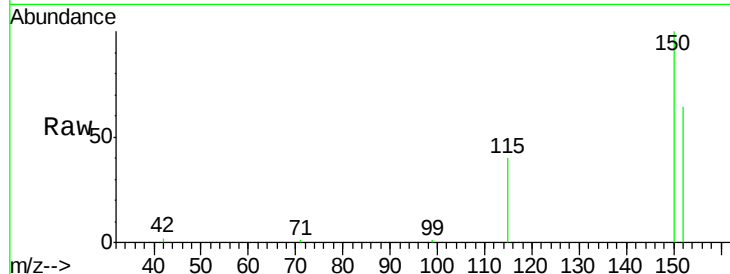




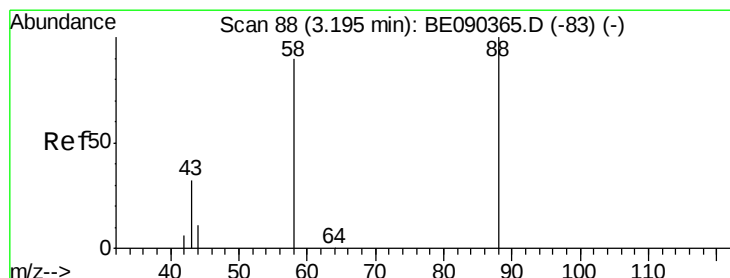
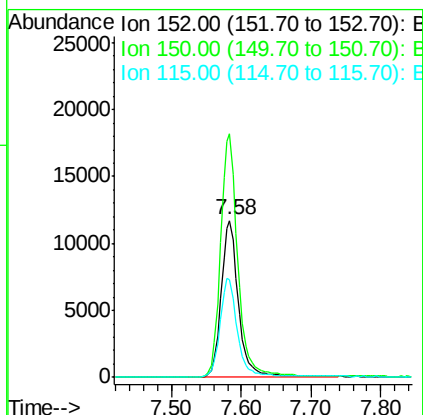
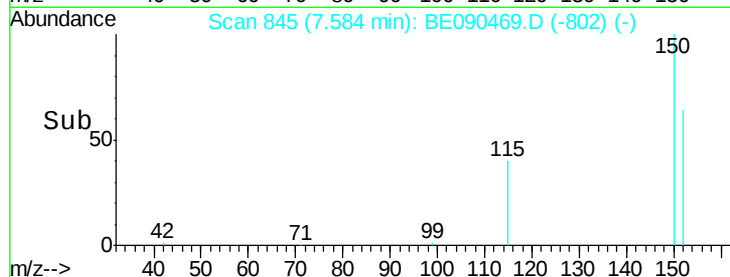
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.58 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 20268
 Ion Ratio Lower Upper
 152 100
 150 155.5 123.0 184.4
 115 62.2 48.9 73.3

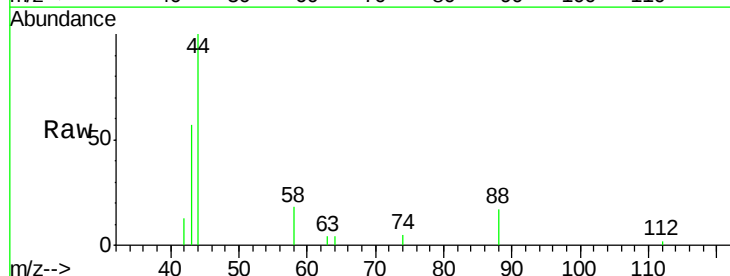


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

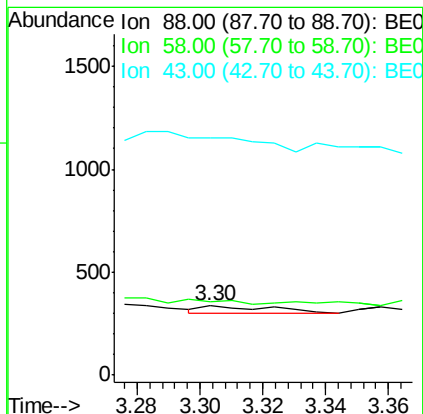
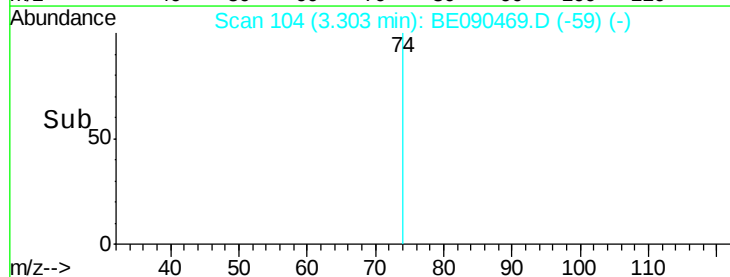


#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.30 min Scan# 104
 Delta R.T. 0.11 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

Tgt Ion: 88 Resp: 54
 Ion Ratio Lower Upper
 88 100
 58 0.0 70.0 105.0#
 43 385.2 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





#4

2-Fluorophenol

Concen: 5.65 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

Instrument :

BNA_E

ClientSampled :

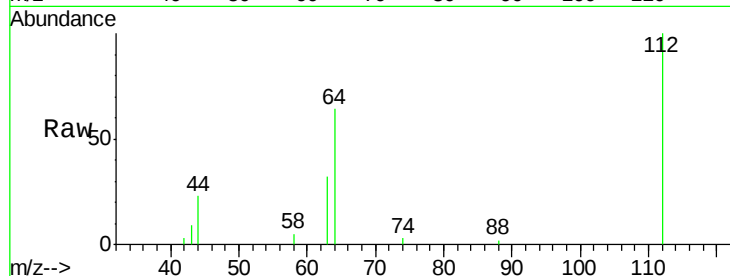
Tot Ion:112 Resp: 17190

Ion Ratio Lower Upper

112 100

64 71.3 37.1 55.7#

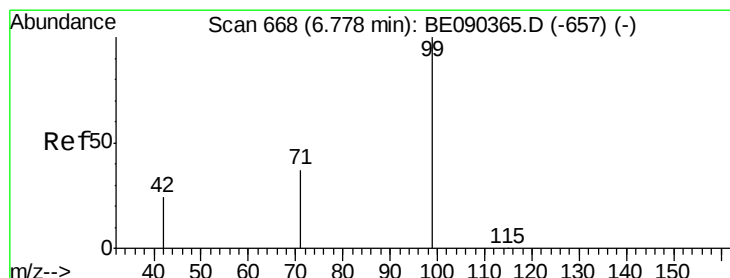
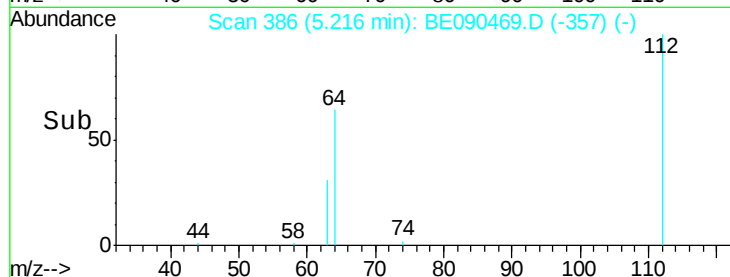
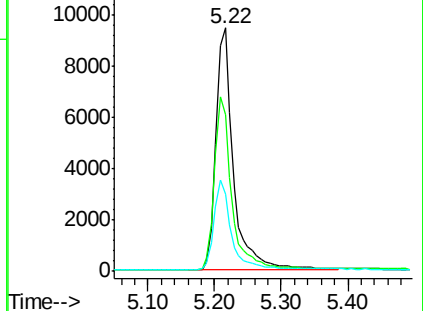
63 36.9 19.5 29.3#



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: 2.66 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

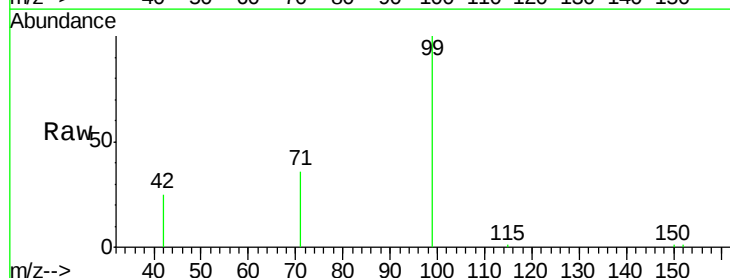
Tgt Ion: 99 Resp: 16430

Ion Ratio Lower Upper

99 100

42 21.7 18.2 27.4

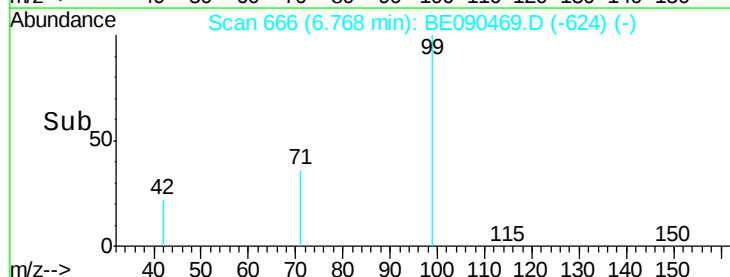
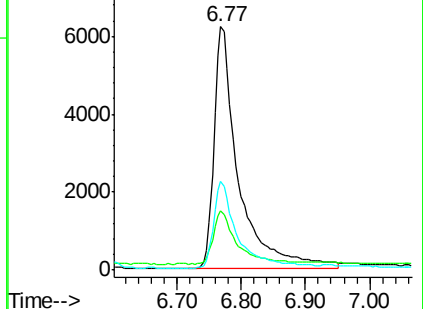
71 35.0 27.4 41.0

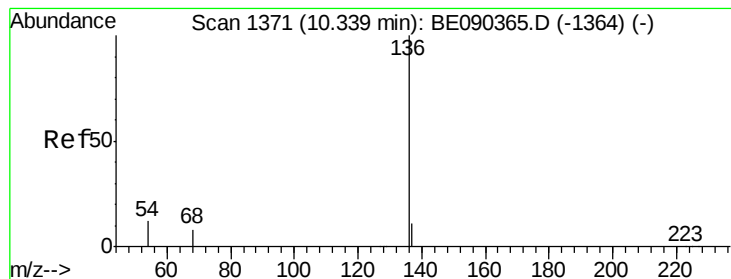


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE090469.D

Acq: 12 Aug 2015 16:05

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 89708

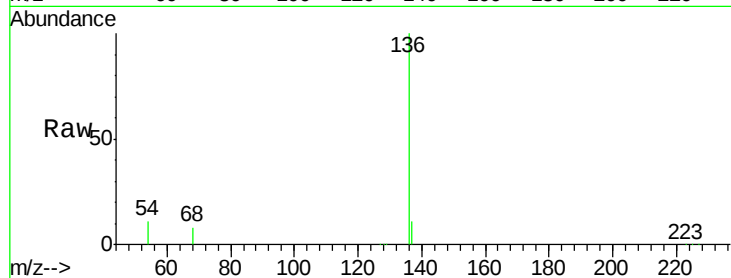
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 11.0 9.4 14.0

68 8.0 6.5 9.7

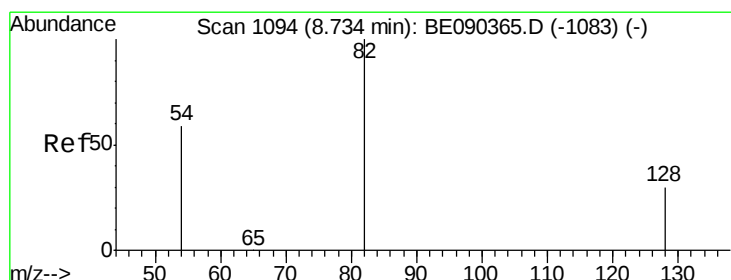
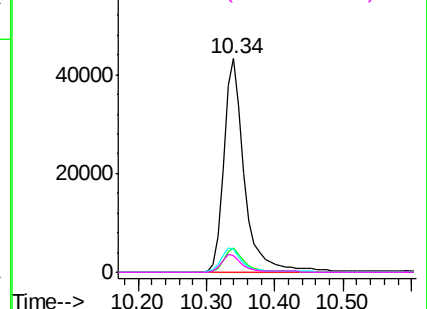
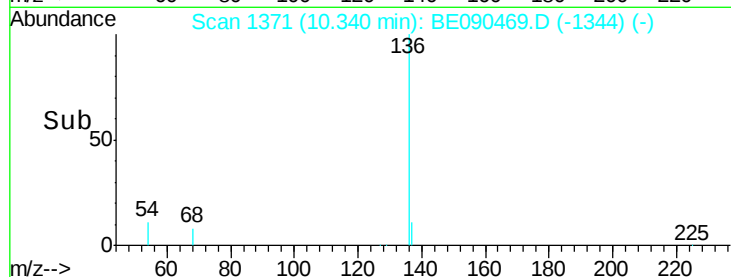


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.60 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

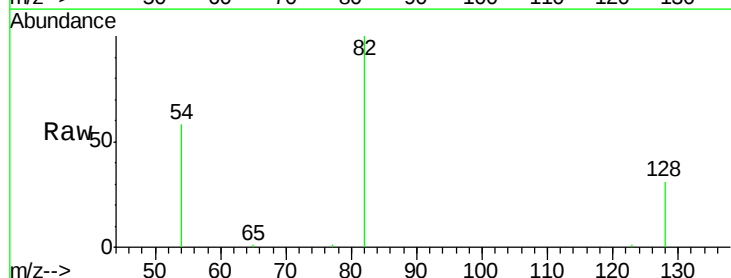
Tgt Ion: 82 Resp: 25829

Ion Ratio Lower Upper

82 100

128 31.1 25.0 37.6

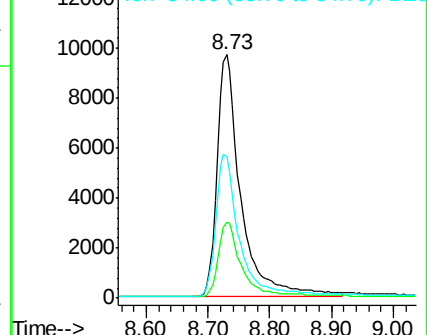
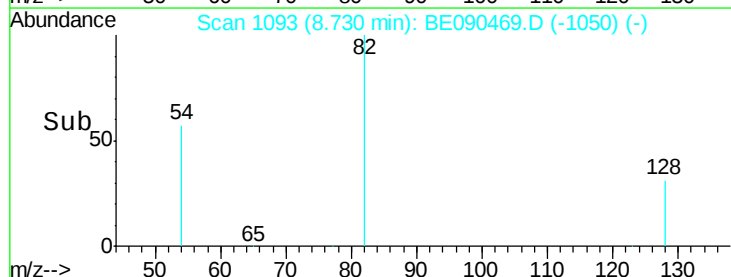
54 57.8 48.8 73.2

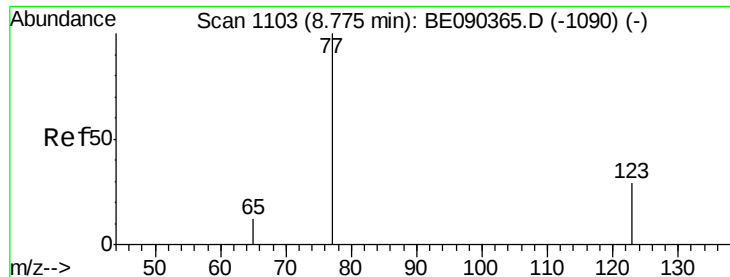


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

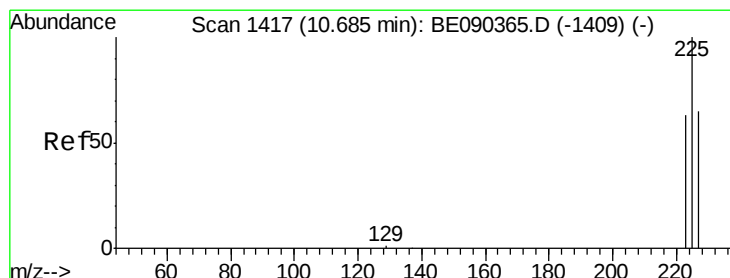
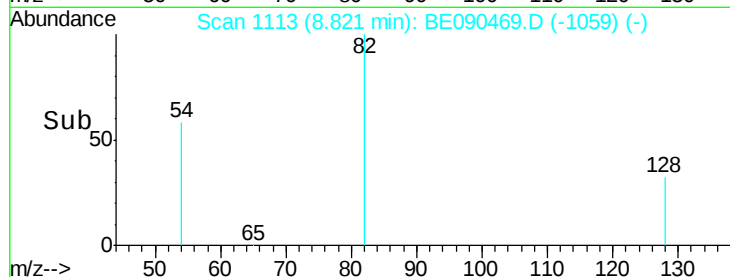
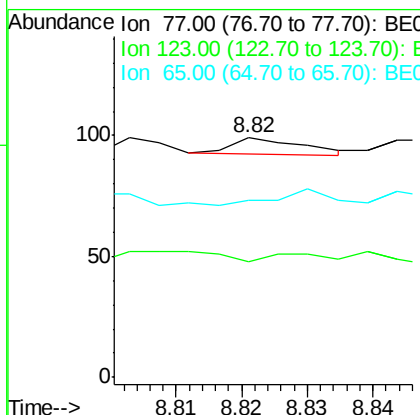
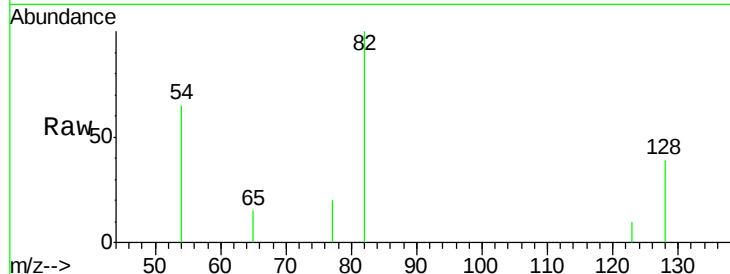




#8
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.82 min Scan# 1113
 Delta R.T. 0.05 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

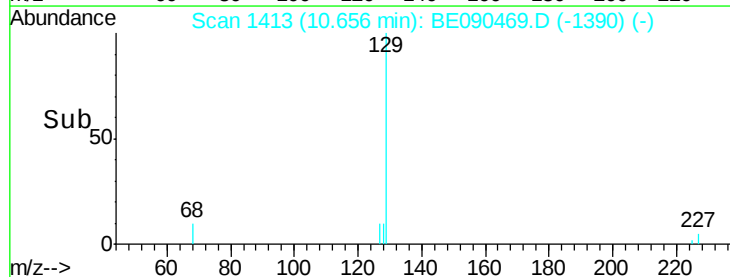
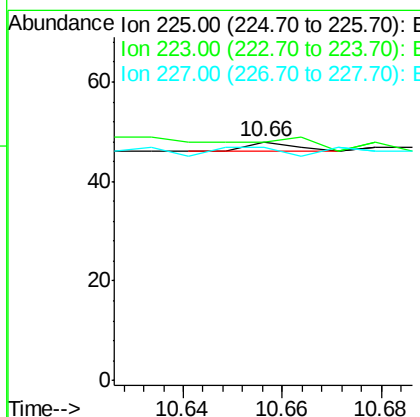
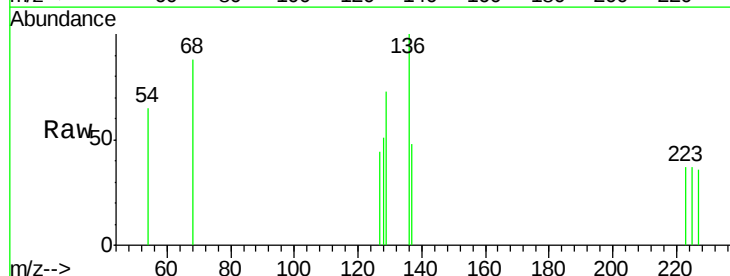
Instrument :
 BNA_E
 ClientSampled :

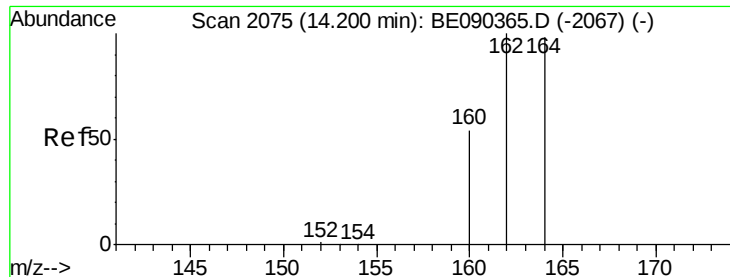
Tot Ion: 77 Resp: 5
 Ion Ratio Lower Upper
 77 100
 123 40.0 25.1 37.7#
 65 100.0 9.3 13.9#



#10
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 10.66 min Scan# 1413
 Delta R.T. -0.03 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

Tgt Ion: 225 Resp: 1
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.6 75.8#
 227 200.0 50.7 76.1#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

Instrument :

BNA_E

ClientSampled :

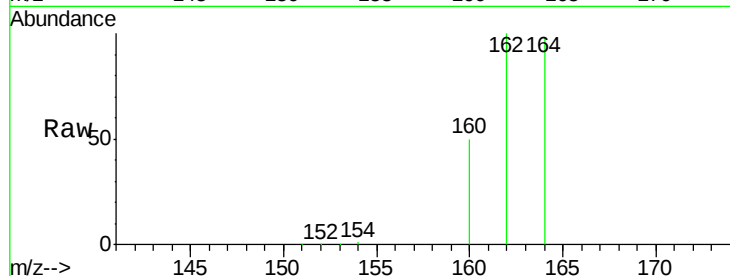
Tot Ion:164 Resp: 51751

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.8

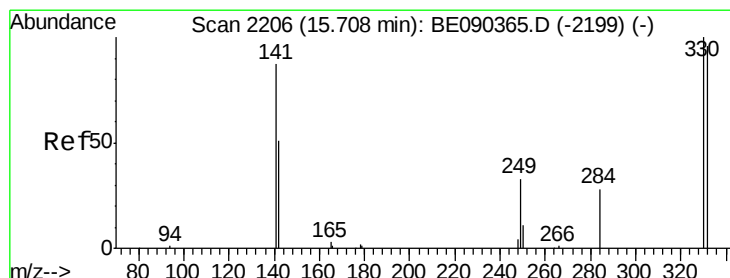
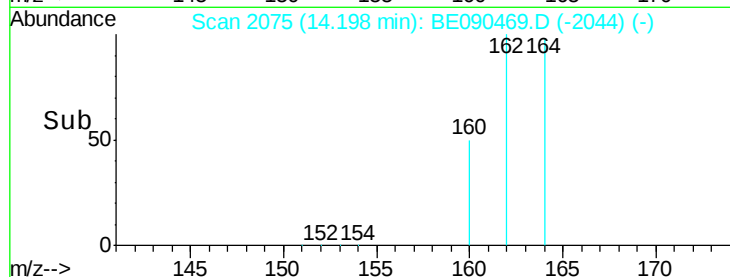
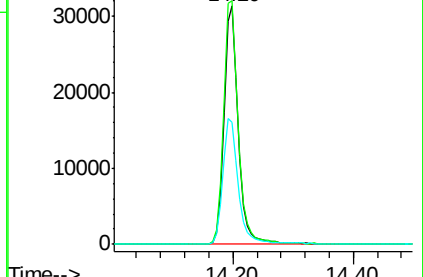
160 51.2 44.2 66.4



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: 8.83 ng

RT: 15.69 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

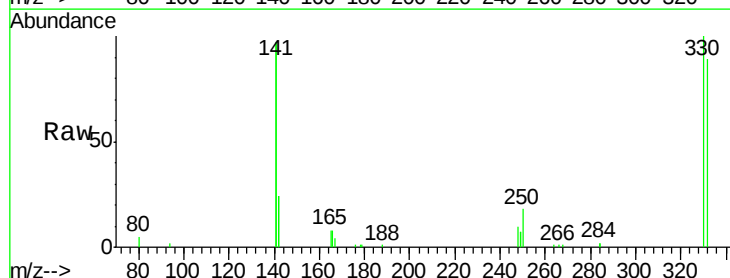
Tgt Ion:330 Resp: 14674

Ion Ratio Lower Upper

330 100

332 95.7 75.8 113.6

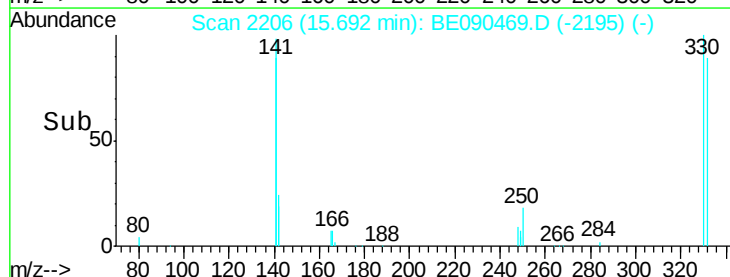
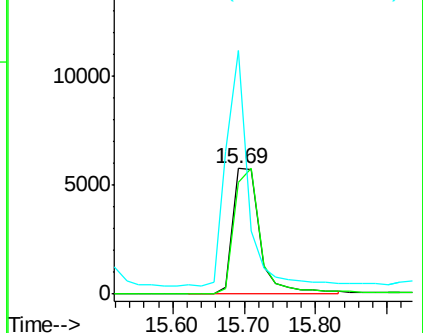
141 155.2 114.4 171.6



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

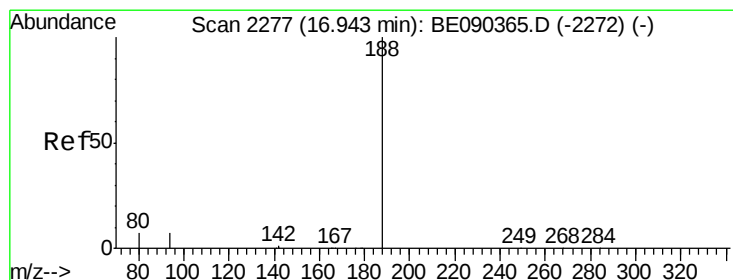
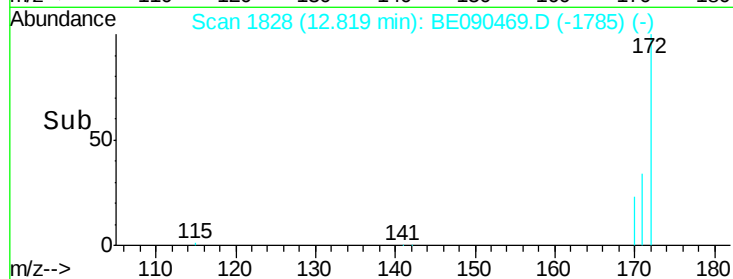
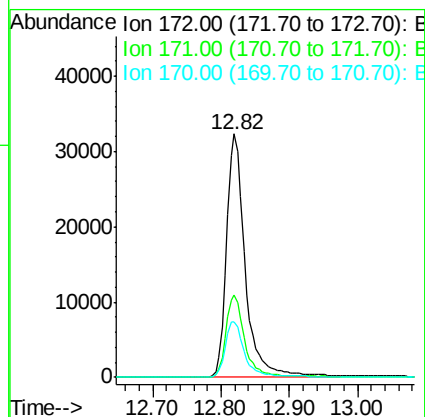
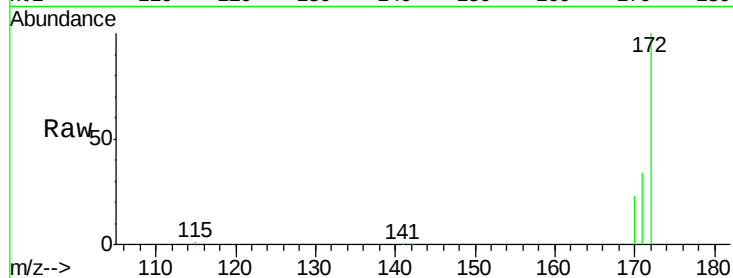




#14
2-Fluorobiphenyl
Concen: 4.31 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090469.D
Acq: 12 Aug 2015 16:05

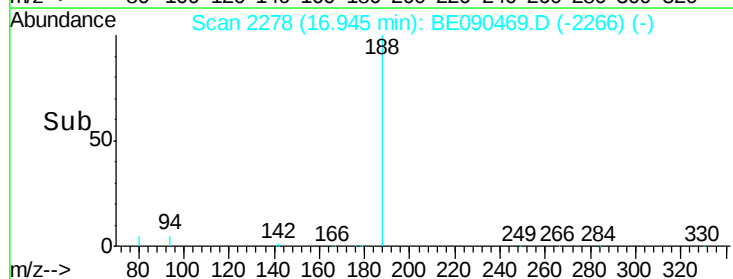
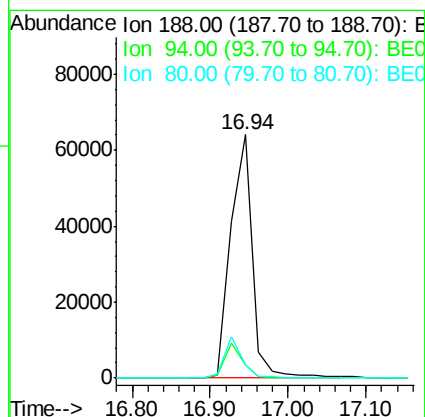
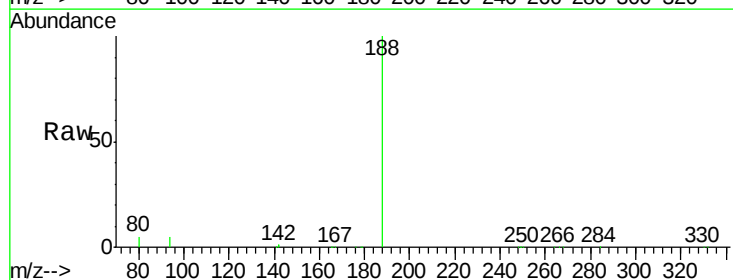
Instrument :
BNA_E
ClientSampleId :

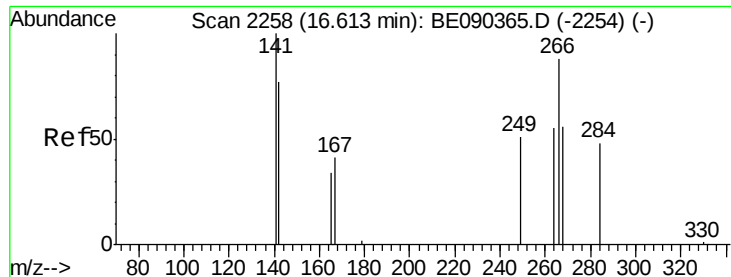
Tot Ion:172 Resp: 61371
Ion Ratio Lower Upper
172 100
171 34.0 28.5 42.7
170 23.0 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090469.D
Acq: 12 Aug 2015 16:05

Tgt Ion:188 Resp: 122818
Ion Ratio Lower Upper
188 100
94 5.3 5.7 8.5#
80 5.5 5.8 8.8#

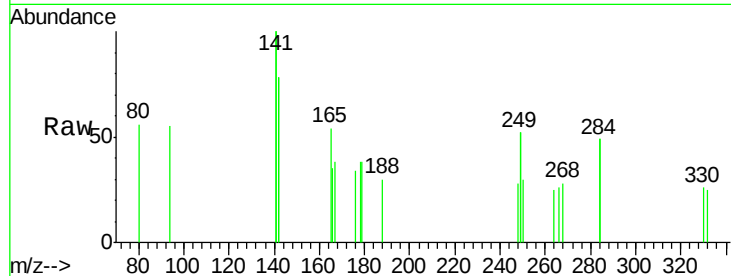




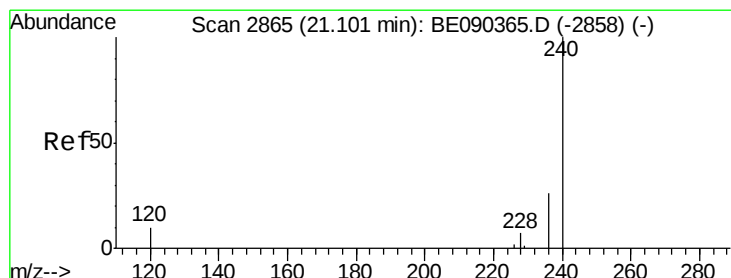
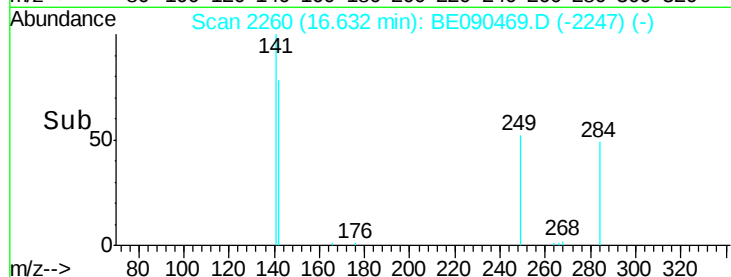
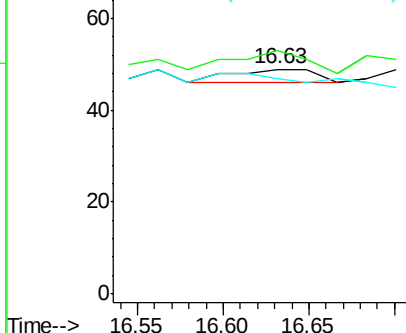
#21
 Pentachlorophenol
 Concen: 0.10 ng
 RT: 16.63 min Scan# 2260
 Delta R.T. 0.02 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 268 108.2 58.5 87.7#
 264 95.9 56.0 84.0#

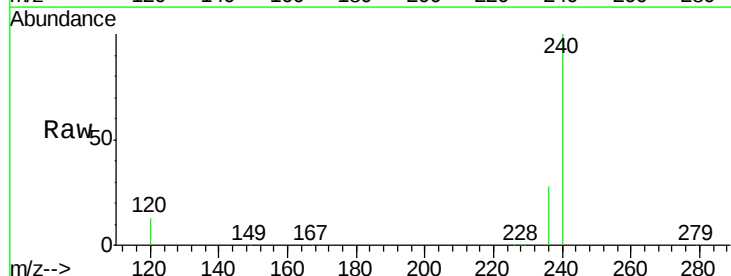


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

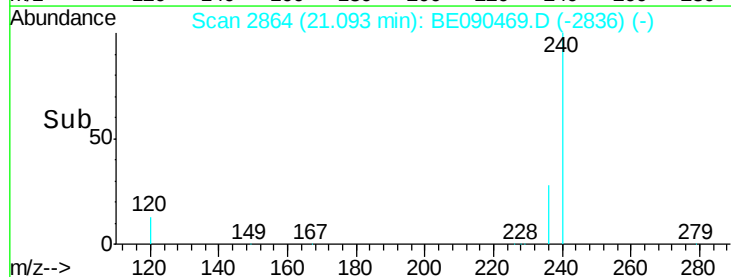
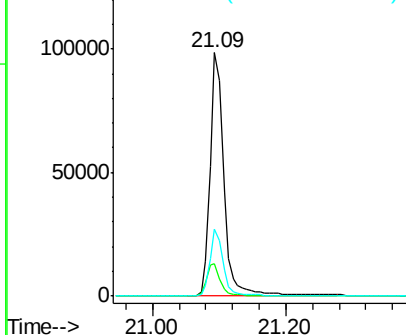


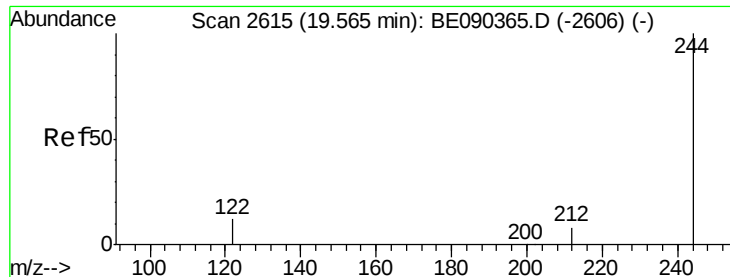
#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

Tgt Ion:240 Resp: 140823
 Ion Ratio Lower Upper
 240 100
 120 13.1 8.3 12.5#
 236 27.6 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





#27

Terphenyl-d14

Concen: 5.20 ng

RT: 19.55 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

Instrument :

BNA_E

ClientSampled :

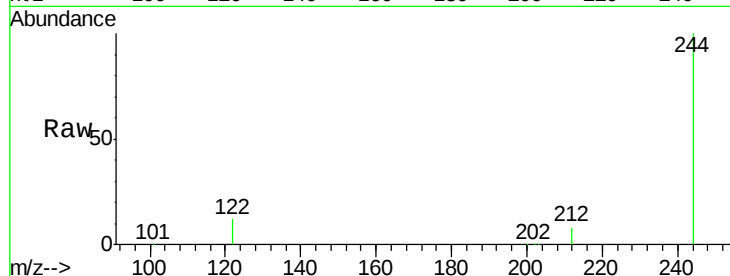
Tot Ion:244 Resp: 107869

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

122 11.8 10.2 15.4

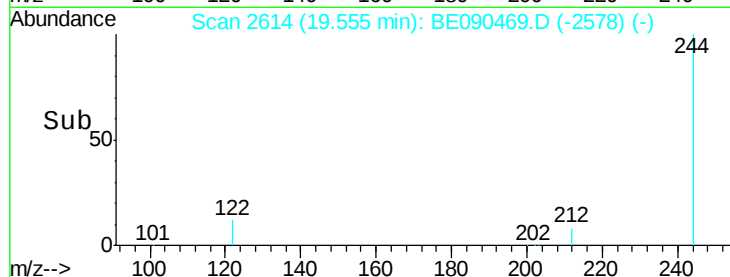


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Abundance

120000

100000

80000

60000

40000

20000

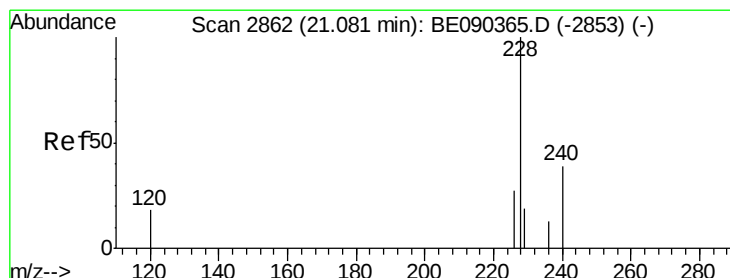
0

19.55

19.60

19.80

Time-->



#28

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

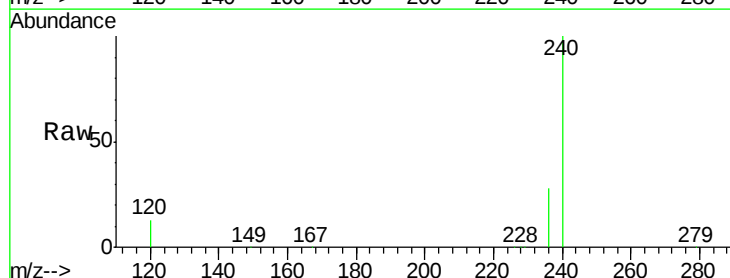
Tgt Ion:228 Resp: 630

Ion Ratio Lower Upper

228 100

226 29.1 21.9 32.9

229 43.5 15.4 23.0#

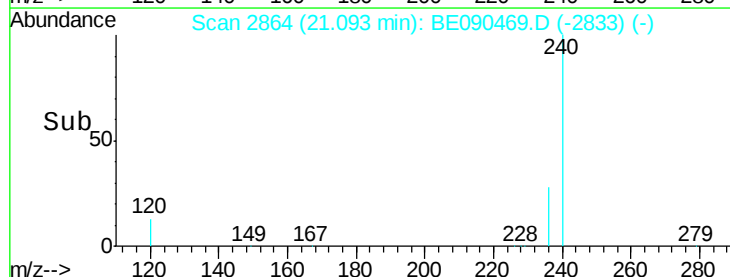


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Abundance

500

400

300

200

100

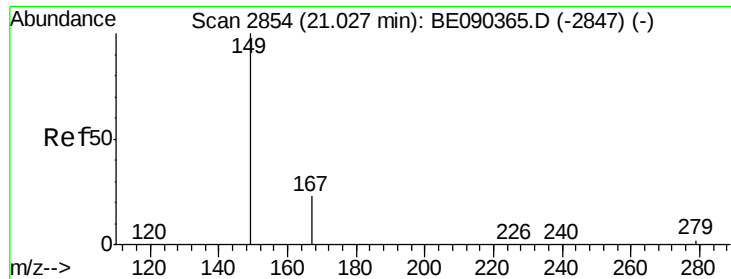
0

21.09

21.05

21.10

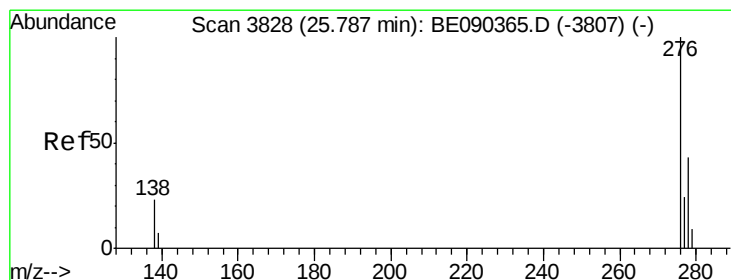
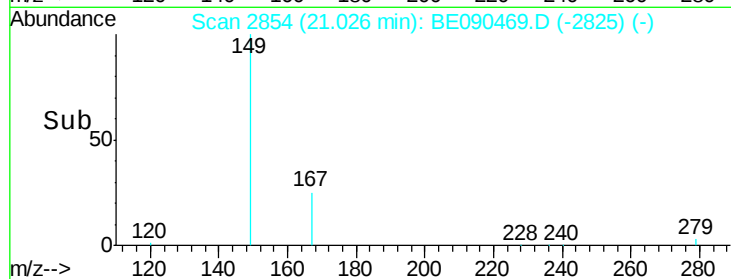
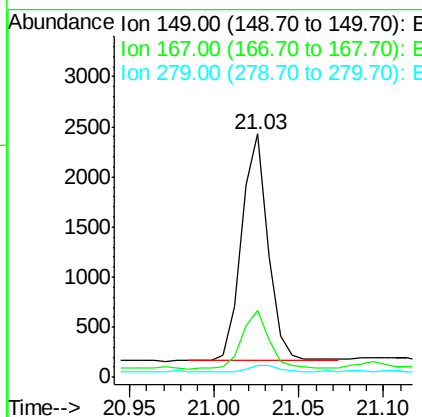
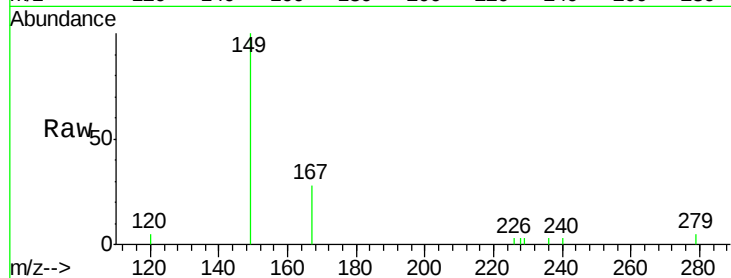
Time-->



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.43 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. -0.00 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

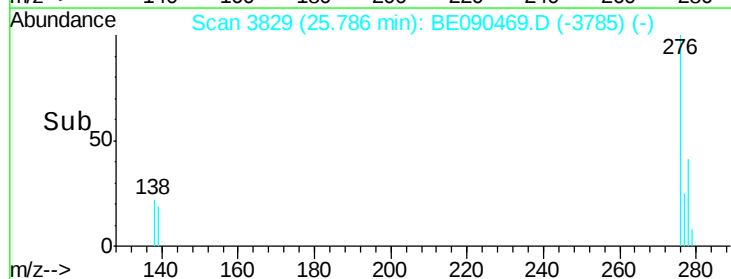
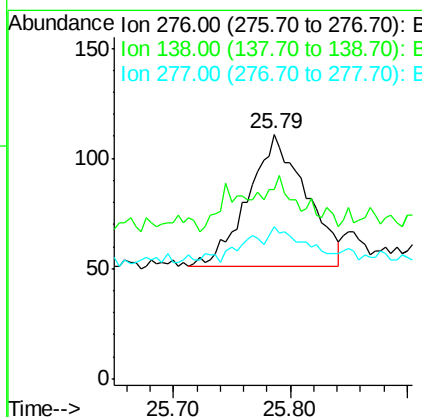
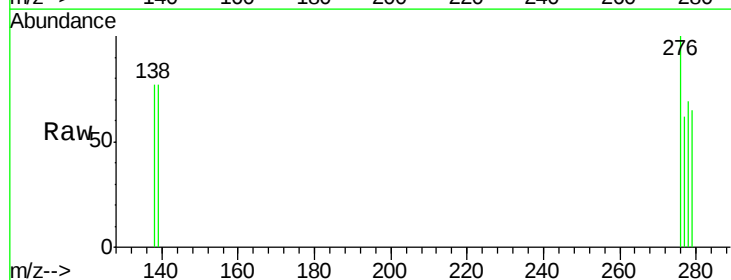
Instrument :
 BNA_E
 ClientSampleId :

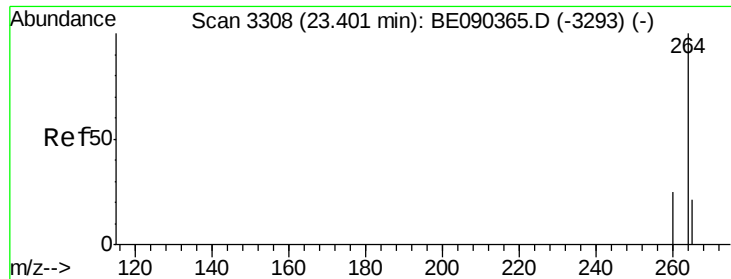
Tot Ion:149 Resp: 2465
 Ion Ratio Lower Upper
 149 100
 167 26.4 19.8 29.8
 279 3.5 2.4 3.6



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.79 min Scan# 3829
 Delta R.T. 0.00 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

Tgt Ion:276 Resp: 205
 Ion Ratio Lower Upper
 276 100
 138 8.3 18.8 28.2#
 277 16.1 18.2 27.4#

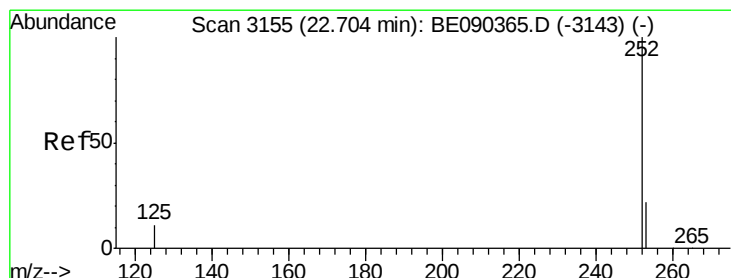
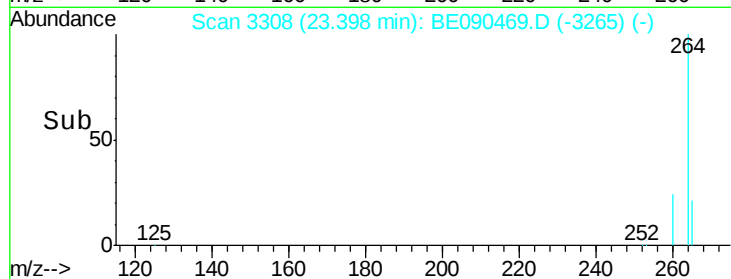
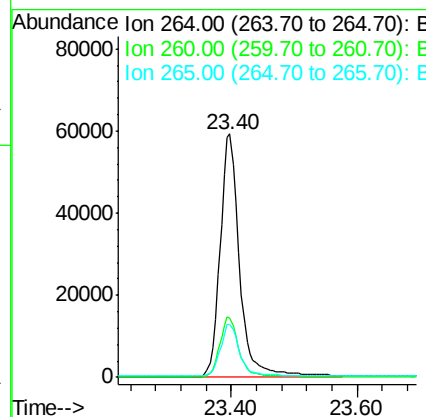
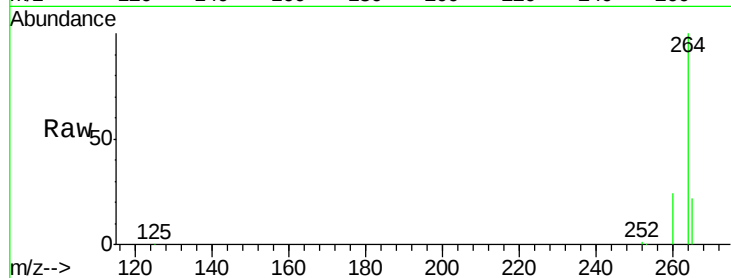




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

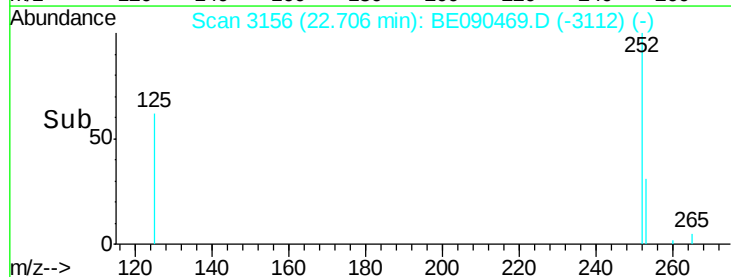
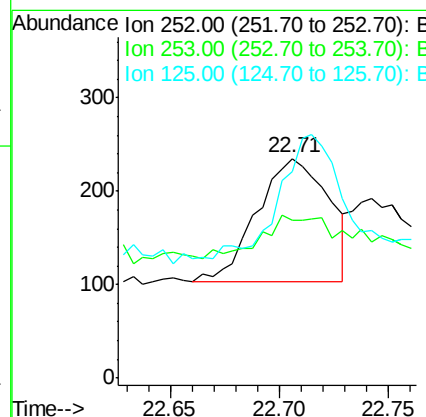
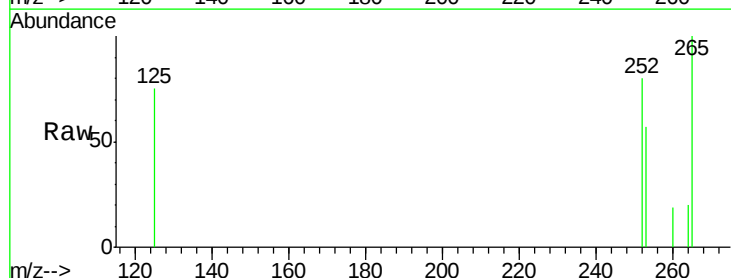
Instrument :
 BNA_E
 ClientSampleId :

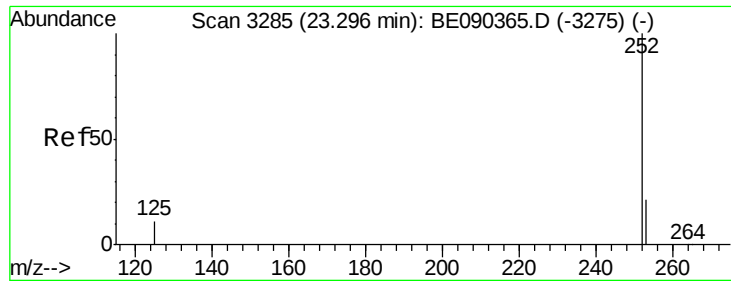
Tot Ion:264 Resp: 127329
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.1 30.1
 265 21.7 17.2 25.8



#33
 Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.71 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: BE090469.D
 Acq: 12 Aug 2015 16:05

Tgt Ion:252 Resp: 301
 Ion Ratio Lower Upper
 252 100
 253 71.9 18.1 27.1#
 125 94.0 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

Instrument :

BNA_E

ClientSampleId :

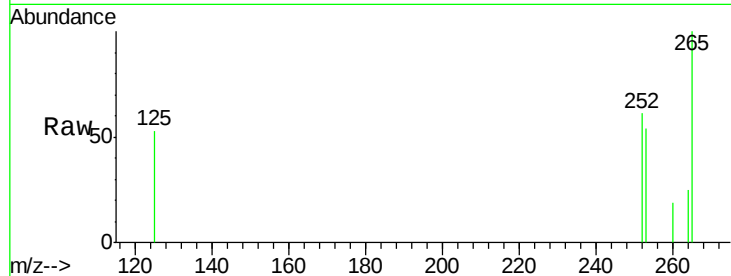
Tot Ion:252 Resp: 160

Ion Ratio Lower Upper

252 100

253 88.0 17.6 26.4#

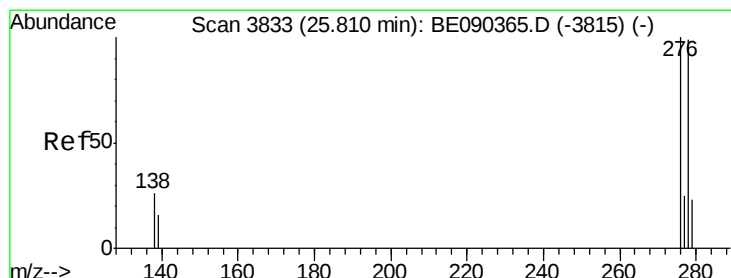
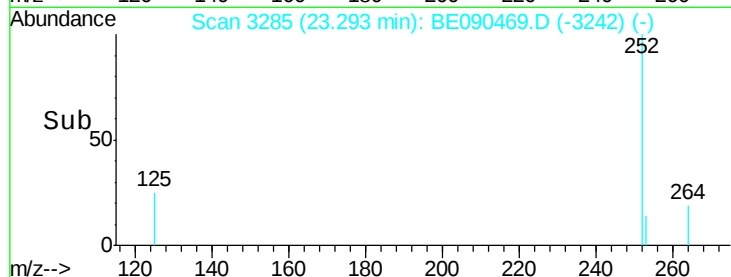
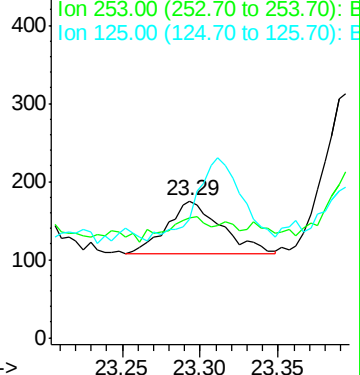
125 86.3 9.8 14.6#



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



#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090469.D

Acq: 12 Aug 2015 16:05

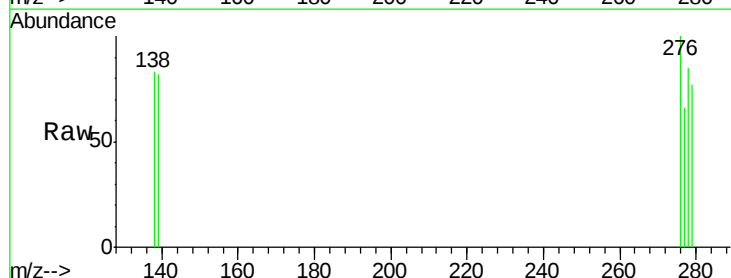
Tgt Ion:278 Resp: 121

Ion Ratio Lower Upper

278 100

139 96.4 14.2 21.4#

279 90.4 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

