

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090477.D
 Acq On : 12 Aug 2015 21:09
 Operator : UM/IZ
 Sample : G3251-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 01:21:50 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	17471	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	77366	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	45671	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	115246	5.00	ng	0.00
25) Chrysene-d12	21.09	240	141099	5.00	ng	0.00
32) Perylene-d12	23.40	264	130543	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	11043	4.21	ng	0.00
5) Phenol-d6	6.77	99	10113	1.97	ng	0.00
7) Nitrobenzene-d5	8.73	82	21214	3.43	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	11304	8.06	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	52736	4.20	ng	0.00
27) Terphenyl-d14	19.55	244	115188	5.54	ng	-0.01

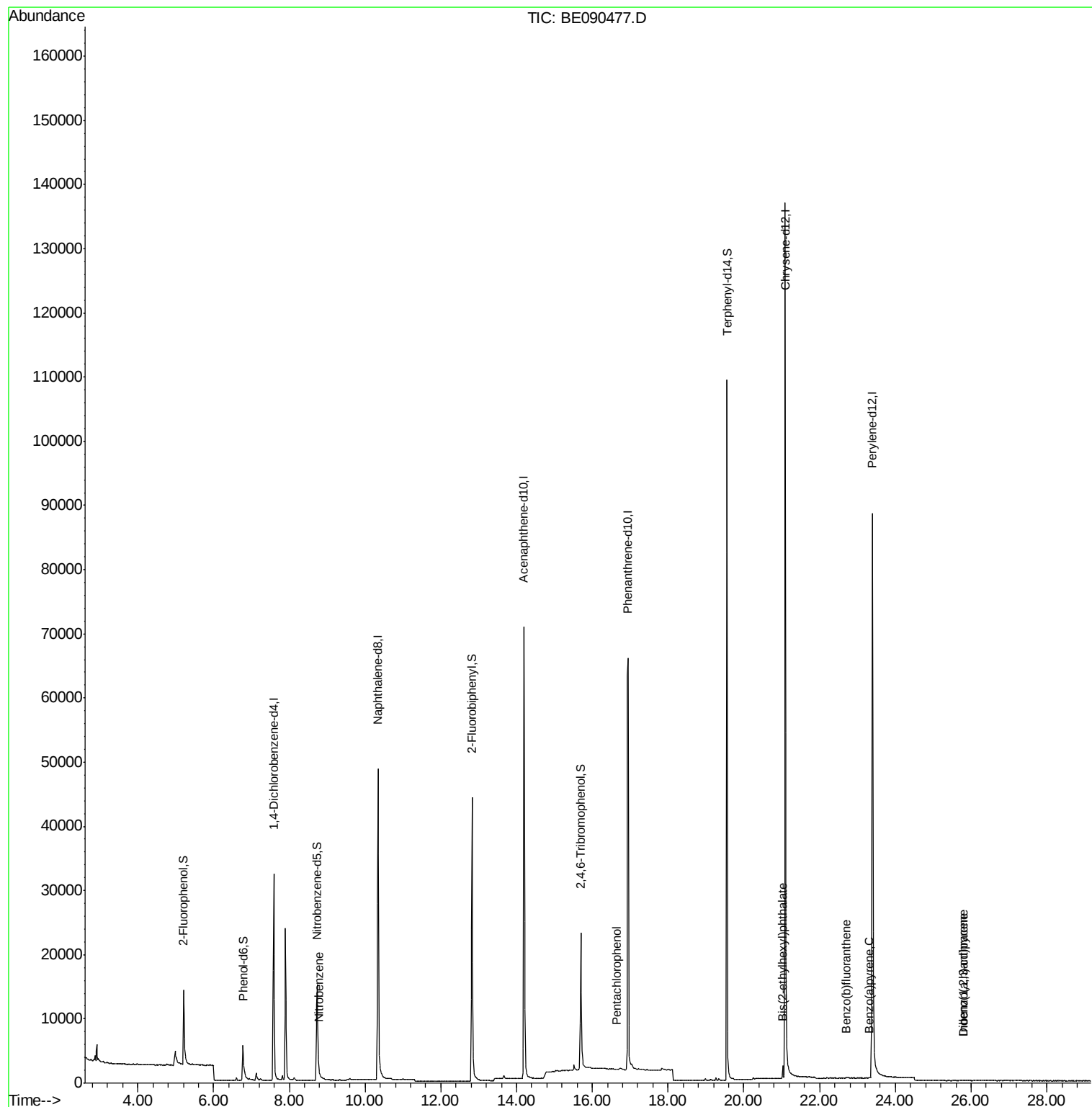
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	22	Below Cal	#	36
8) Nitrobenzene	8.78	77	15	0.21 ng		93
10) Hexachlorobutadiene	10.68	225	5	Below Cal	#	57
21) Pentachlorophenol	16.65	266	8	0.10 ng	#	66
30) Bis(2-ethylhexyl)phthalate	21.03	149	1717	0.34 ng	#	98
31) Indeno(1,2,3-cd)pyrene	25.78	276	114	0.26 ng	#	57
33) Benzo(b)fluoranthene	22.70	252	123	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	40	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	77	0.29 ng	#	1

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

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QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration



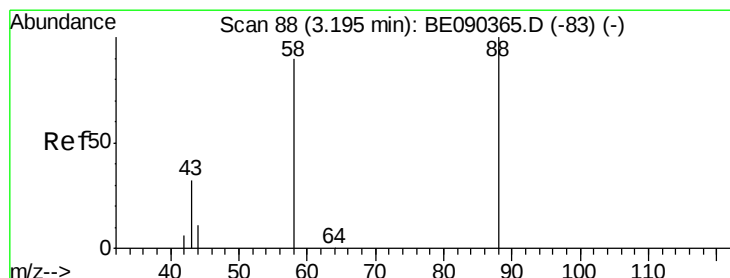
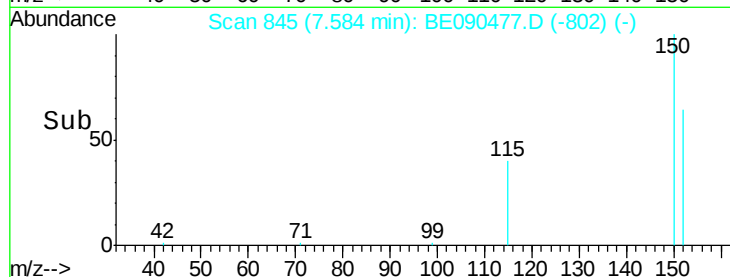
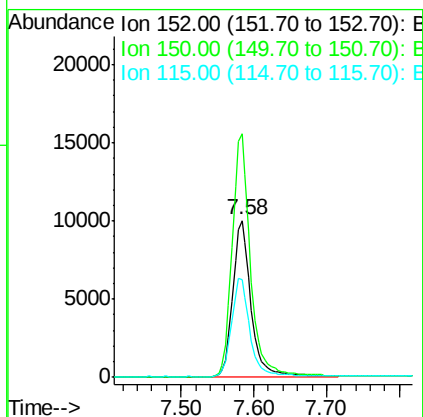
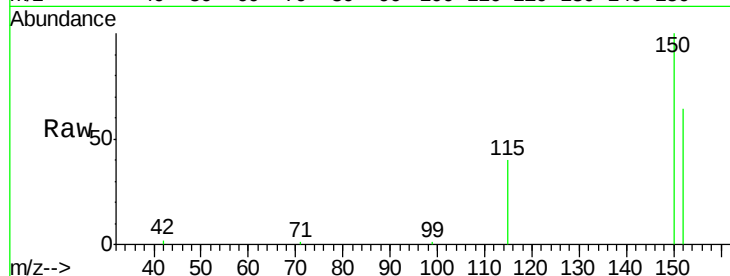


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090477.D
Acq: 12 Aug 2015 21:09

Instrument :
BNA_E
ClientSampleId :

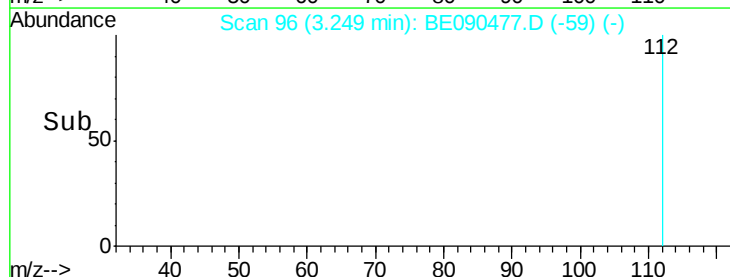
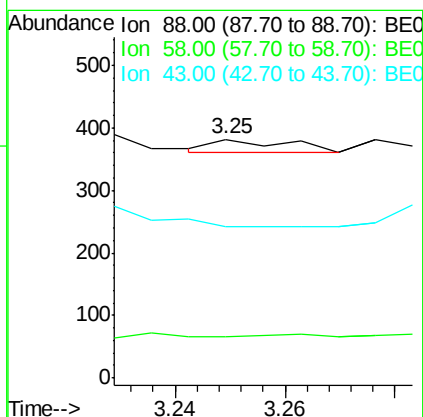
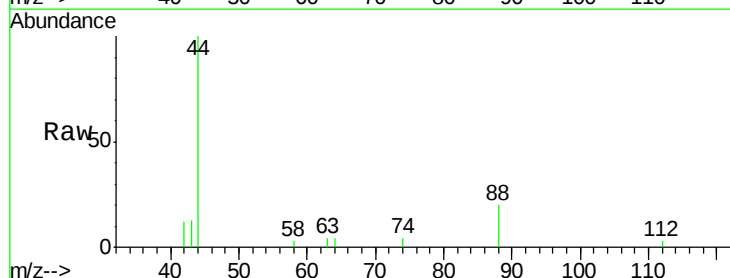
Tot Ion:152 Resp: 17471
Ion Ratio Lower Upper
152 100
150 155.1 123.0 184.4
115 62.2 48.9 73.3



#2

1,4-Dioxane
Concen: Below Cal
RT: 3.25 min Scan# 96
Delta R.T. 0.05 min
Lab File: BE090477.D
Acq: 12 Aug 2015 21:09

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
58 27.3 70.0 105.0#
43 0.0 28.4 42.6#





#4

2-Fluorophenol

Concen: 4.21 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

Instrument :

BNA_E

ClientSampleId :

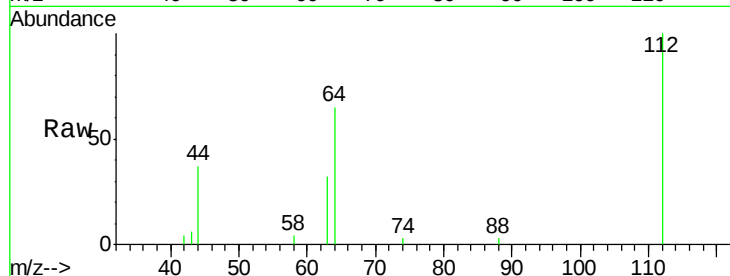
Tot Ion:112 Resp: 11043

Ion Ratio Lower Upper

112 100

64 69.2 37.1 55.7#

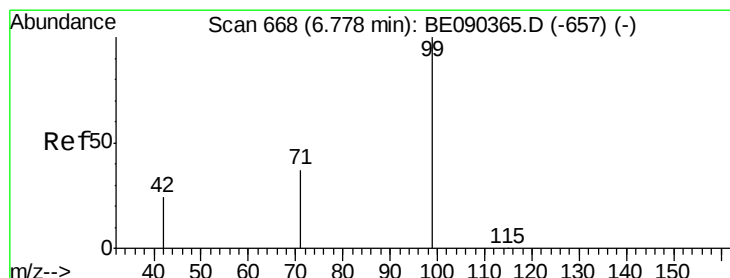
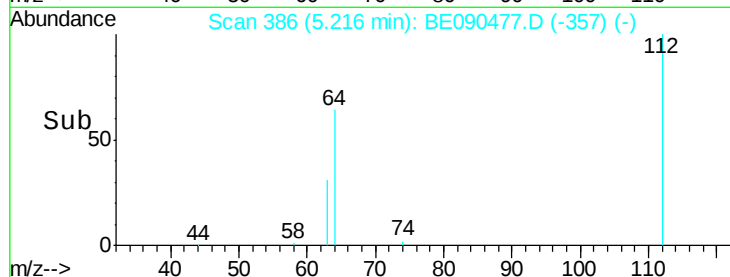
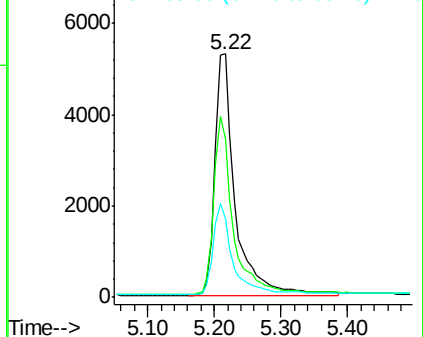
63 36.2 19.5 29.3#



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: 1.97 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

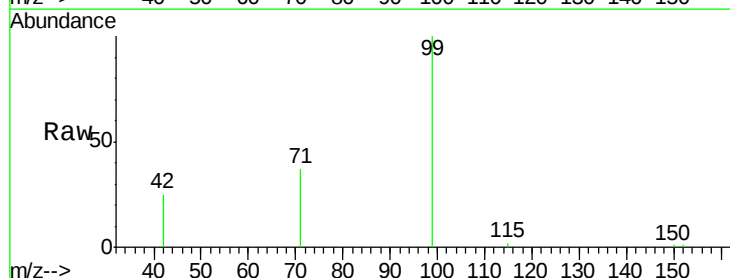
Tgt Ion: 99 Resp: 10113

Ion Ratio Lower Upper

99 100

42 21.3 18.2 27.4

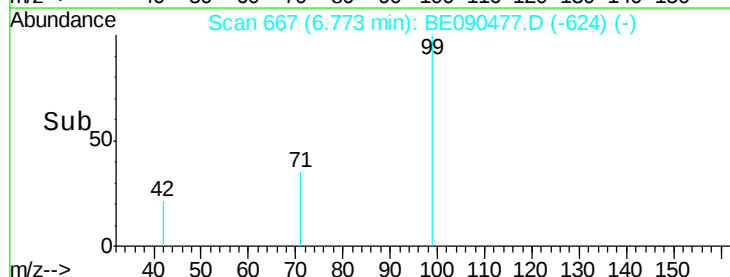
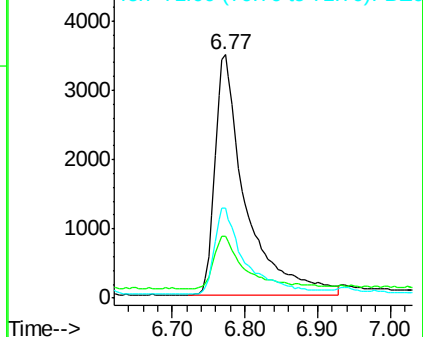
71 35.9 27.4 41.0

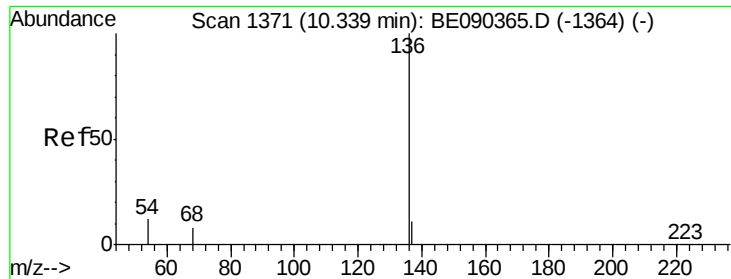


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE090477.D

Acq: 12 Aug 2015 21:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 77366

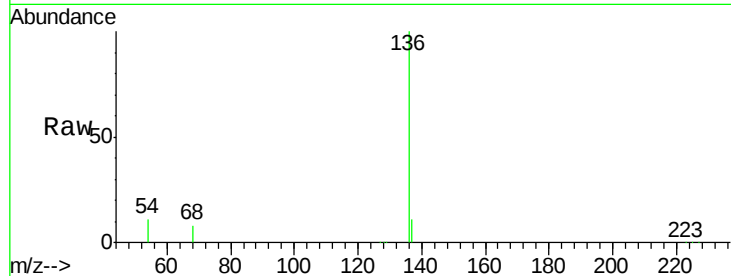
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.7	9.4	14.0
68	8.0	6.5	9.7

136 100

137 11.1 8.7 13.1

54 10.7 9.4 14.0

68 8.0 6.5 9.7

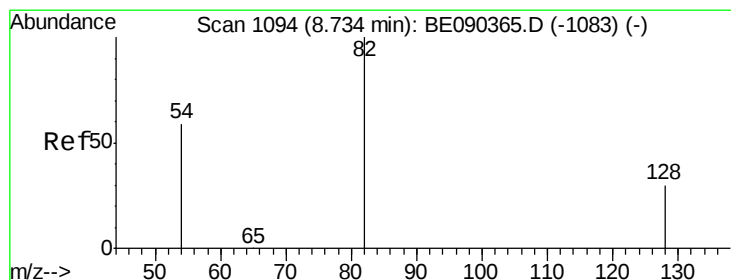
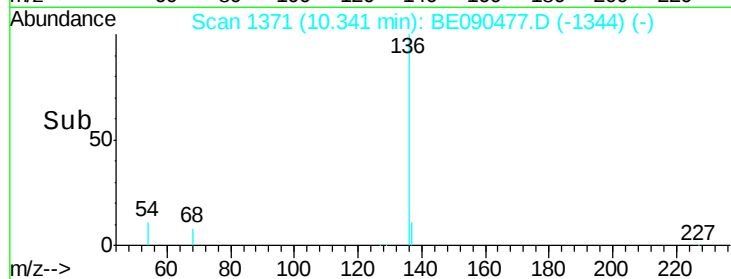
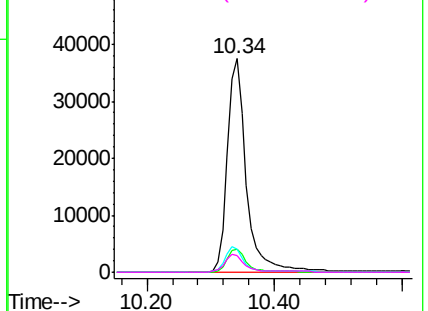


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.43 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

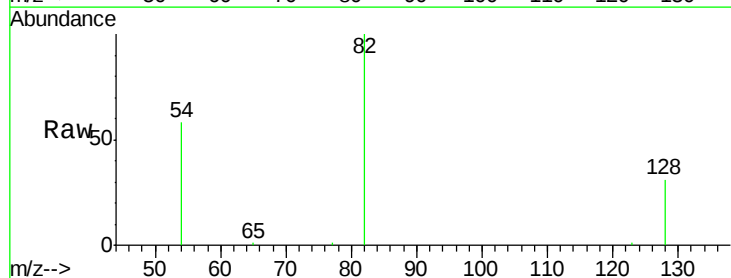
Tgt Ion: 82 Resp: 21214

Ion	Ratio	Lower	Upper
82	100		
128	31.3	25.0	37.6
54	58.5	48.8	73.2

82 100

128 31.3 25.0 37.6

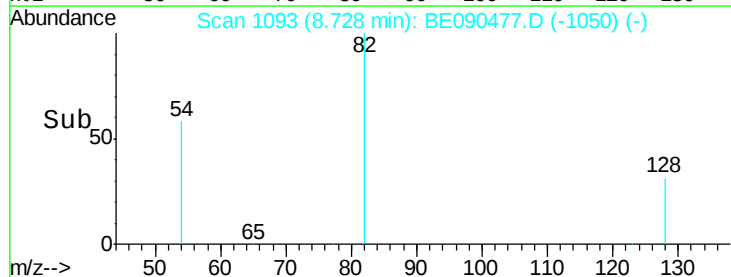
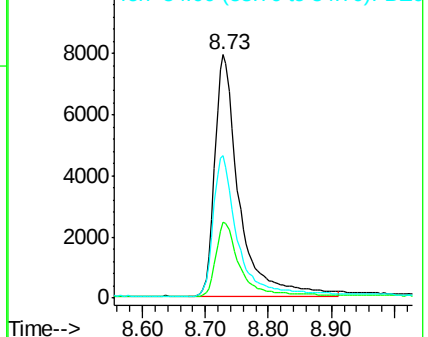
54 58.5 48.8 73.2

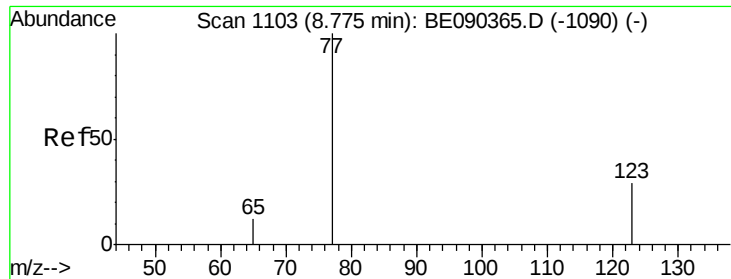


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.78 min Scan# 1105

Delta R.T. 0.01 min

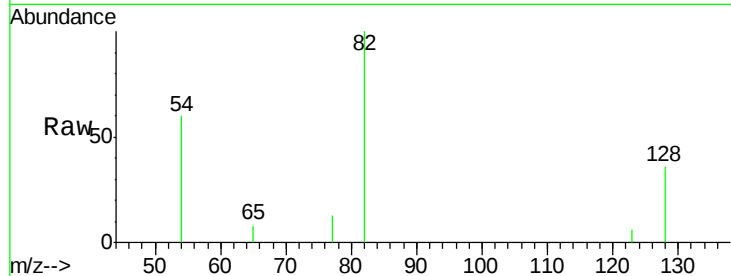
Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

Instrument :

BNA_E

ClientSampled :



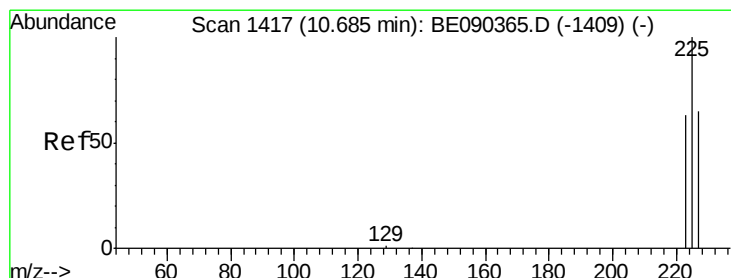
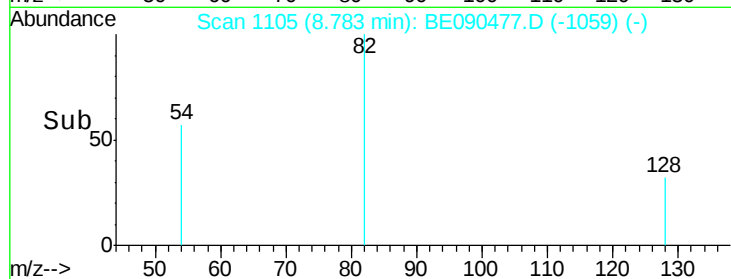
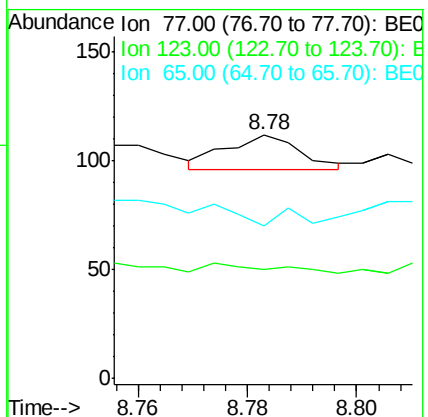
Tot Ion: 77 Resp: 15

Ion Ratio Lower Upper

77 100

123 26.7 25.1 37.7

65 13.3 9.3 13.9



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

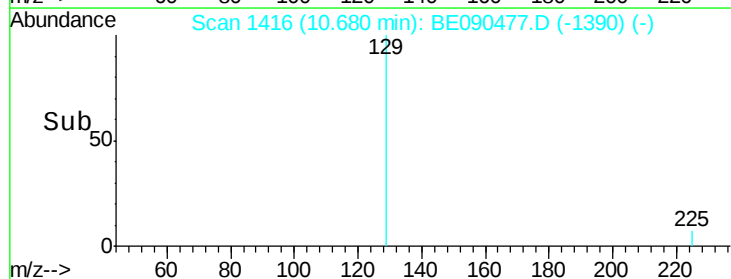
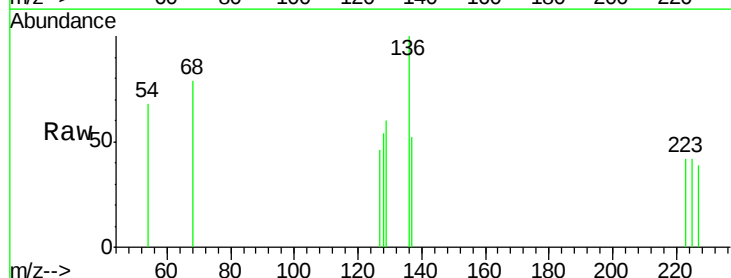
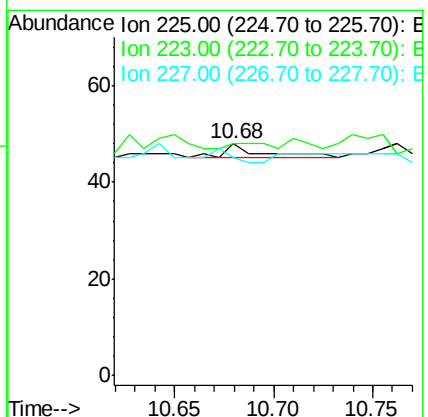
Tgt Ion: 225 Resp: 5

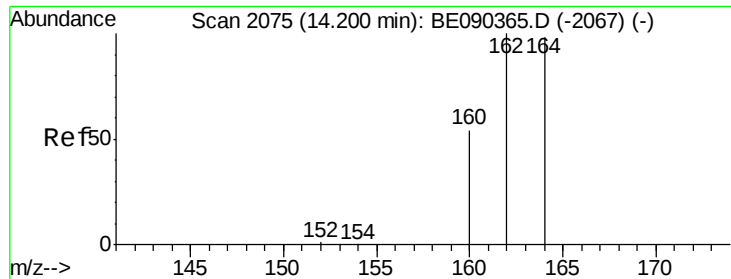
Ion Ratio Lower Upper

225 100

223 20.0 50.6 75.8#

227 40.0 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: BE090477.D

Acq: 12 Aug 2015 21:09

Instrument :

BNA_E

ClientSampleId :

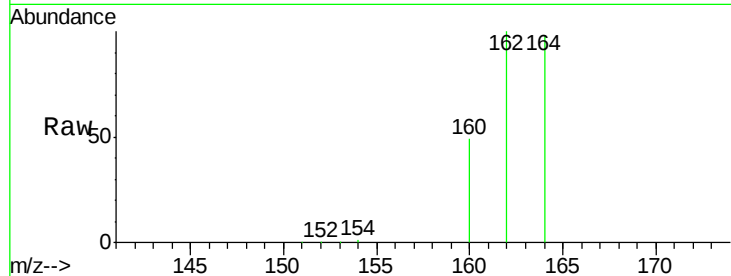
Tot Ion:164 Resp: 45671

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.8

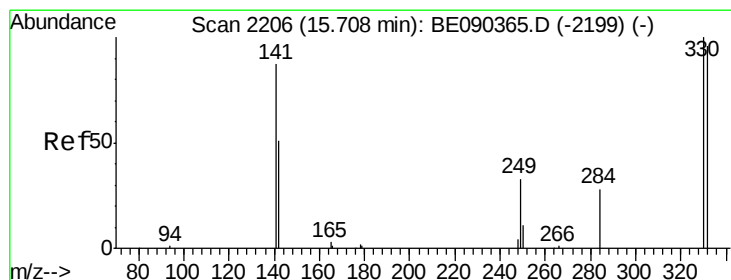
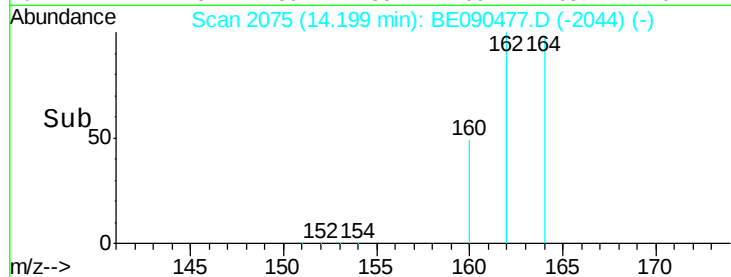
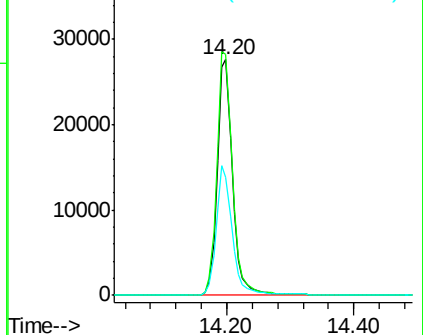
160 50.0 44.2 66.4



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: 8.06 ng

RT: 15.69 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

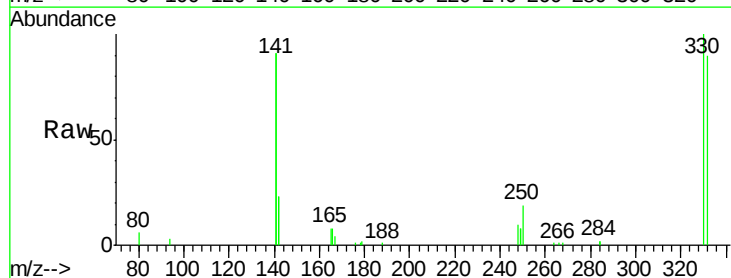
Tgt Ion:330 Resp: 11304

Ion Ratio Lower Upper

330 100

332 96.9 75.8 113.6

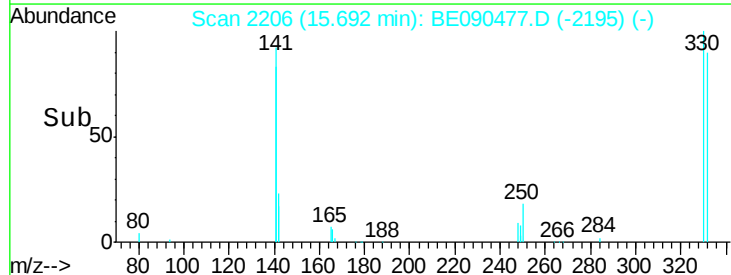
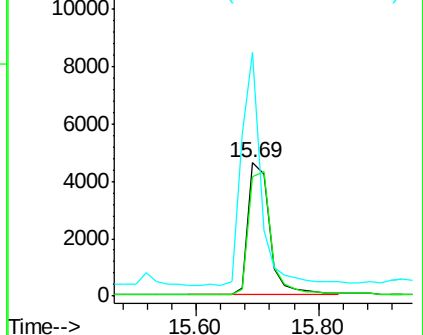
141 161.4 114.4 171.6



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

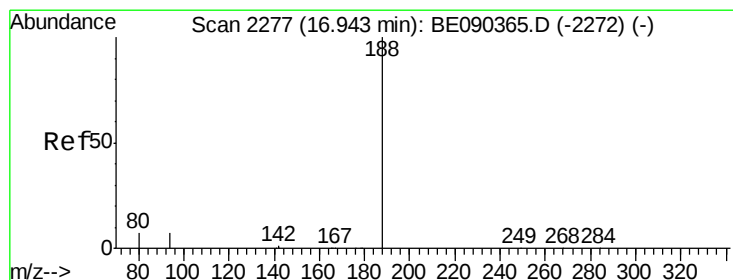
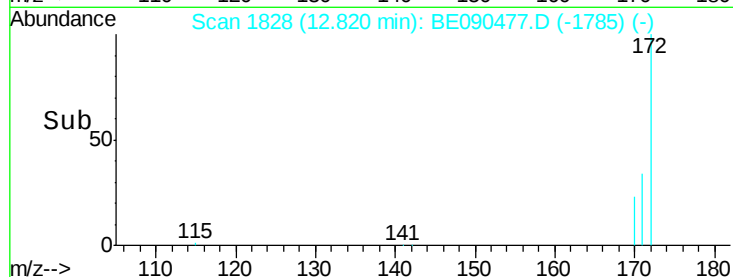
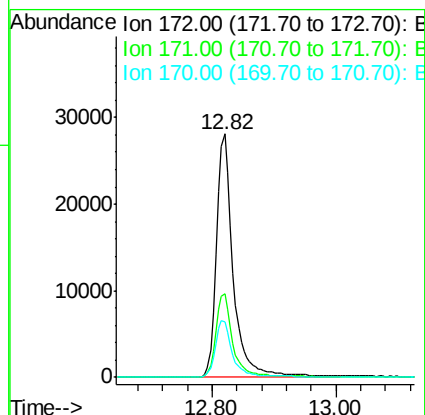
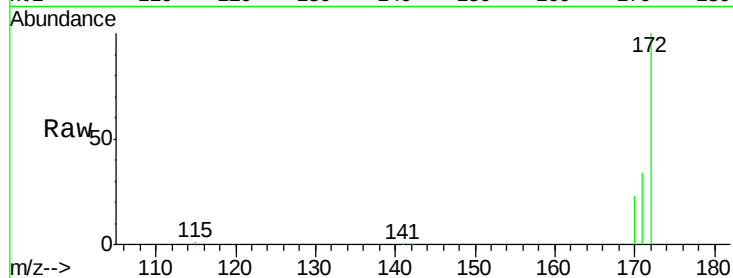




#14
2-Fluorobiphenyl
Concen: 4.20 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090477.D
Acq: 12 Aug 2015 21:09

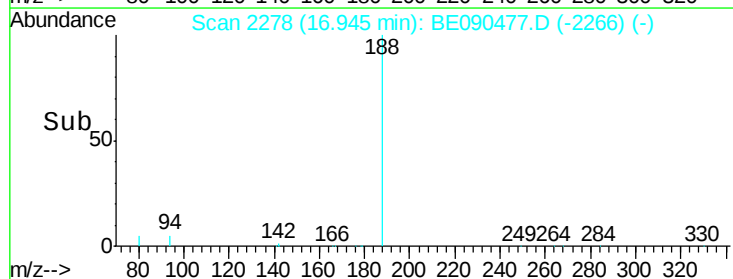
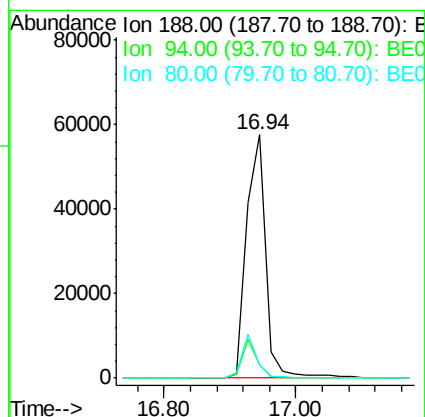
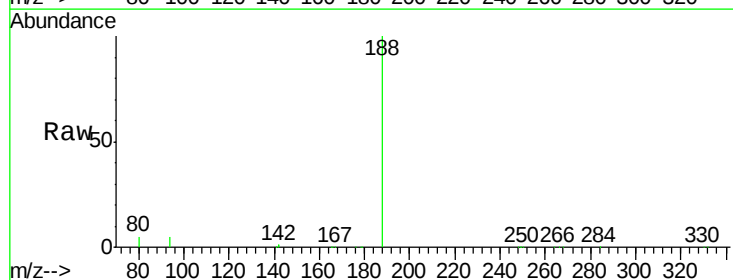
Instrument :
BNA_E
ClientSampleId :

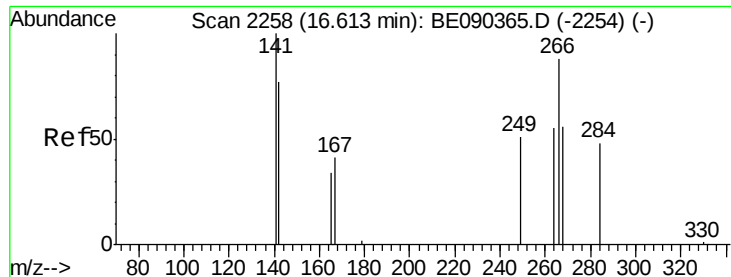
Tot Ion:172 Resp: 52736
Ion Ratio Lower Upper
172 100
171 34.1 28.5 42.7
170 22.7 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090477.D
Acq: 12 Aug 2015 21:09

Tgt Ion:188 Resp: 115246
Ion Ratio Lower Upper
188 100
94 5.3 5.7 8.5#
80 5.5 5.8 8.8#

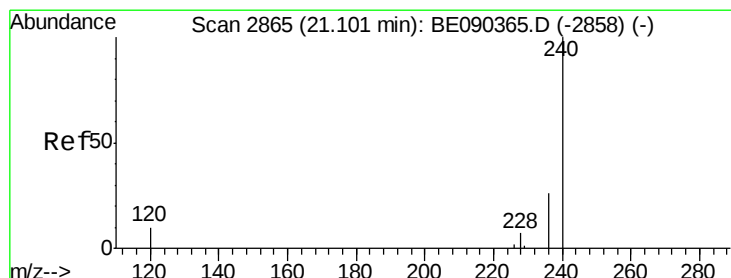
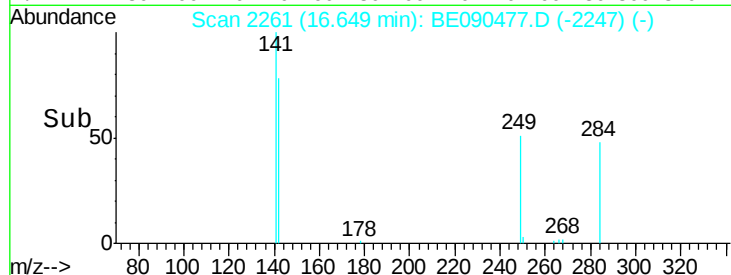
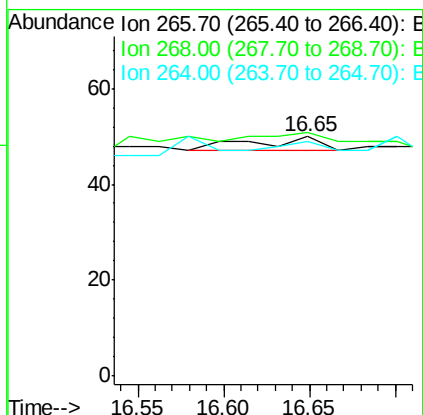
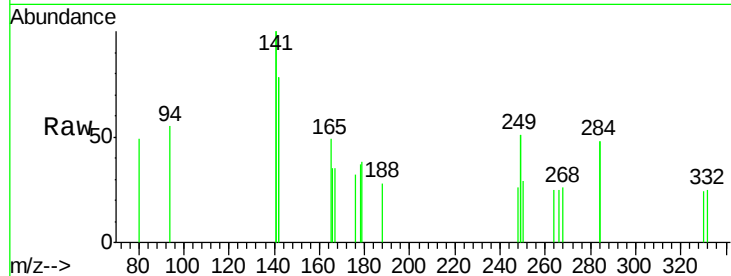




#21
 Pentachlorophenol
 Concen: 0.10 ng
 RT: 16.65 min Scan# 2261
 Delta R.T. 0.04 min
 Lab File: BE090477.D
 Acq: 12 Aug 2015 21:09

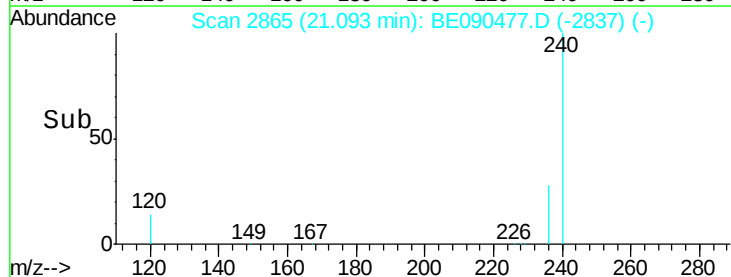
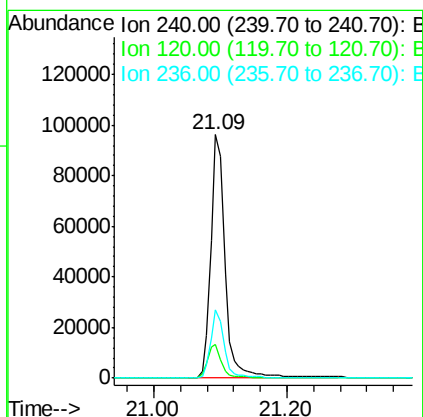
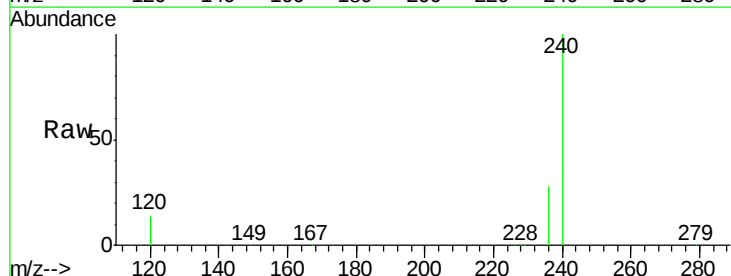
Instrument :
 BNA_E
 ClientSampleId :

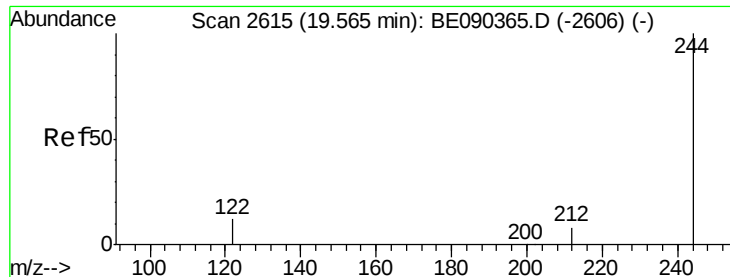
Tot Ion:266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 268 102.0 58.5 87.7#
 264 98.0 56.0 84.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090477.D
 Acq: 12 Aug 2015 21:09

Tgt Ion:240 Resp: 141099
 Ion Ratio Lower Upper
 240 100
 120 13.6 8.3 12.5#
 236 27.8 21.0 31.4





#27

Terphenyl-d14

Concen: 5.54 ng

RT: 19.55 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

Instrument :

BNA_E

ClientSampleId :

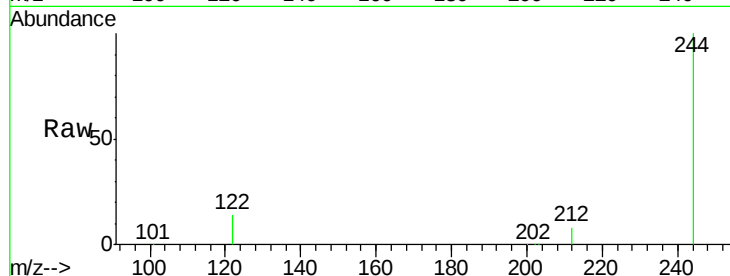
Tot Ion:244 Resp: 115188

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

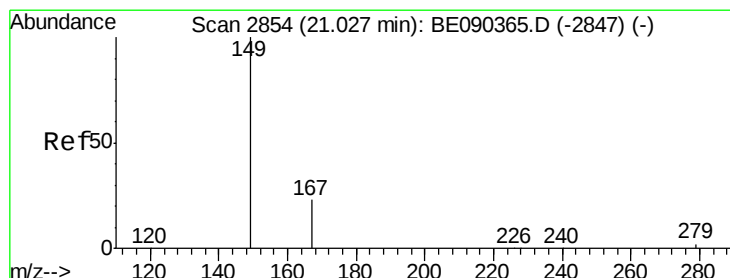
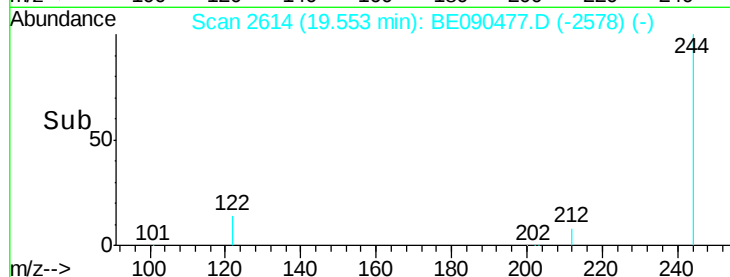
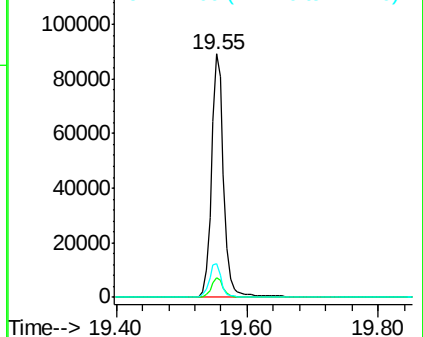
122 13.6 10.2 15.4



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.03 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

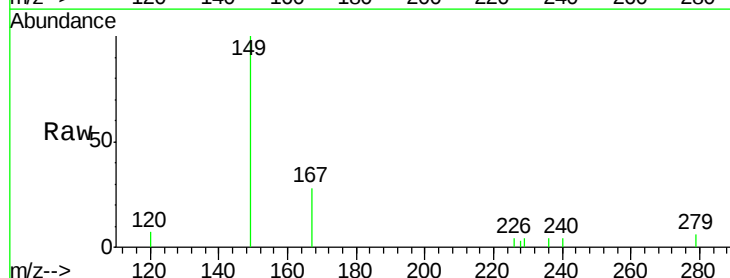
Tgt Ion:149 Resp: 1717

Ion Ratio Lower Upper

149 100

167 23.8 19.8 29.8

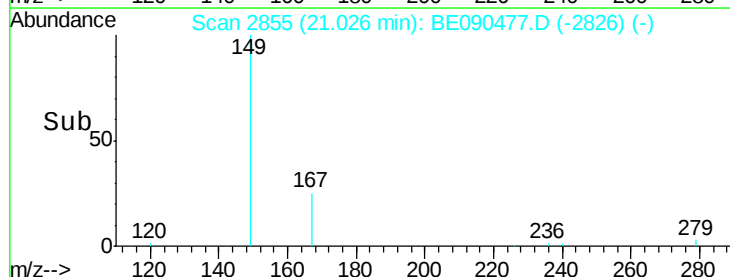
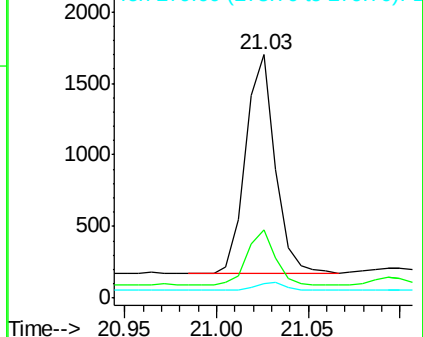
279 3.9 2.4 3.6#

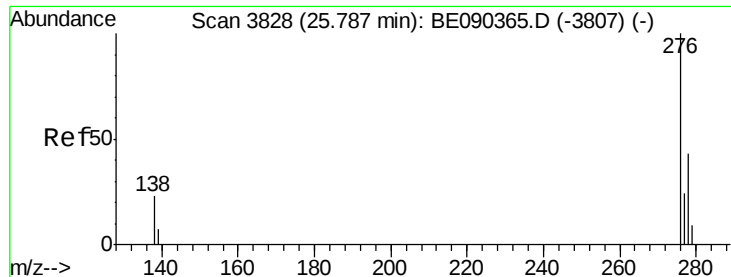


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

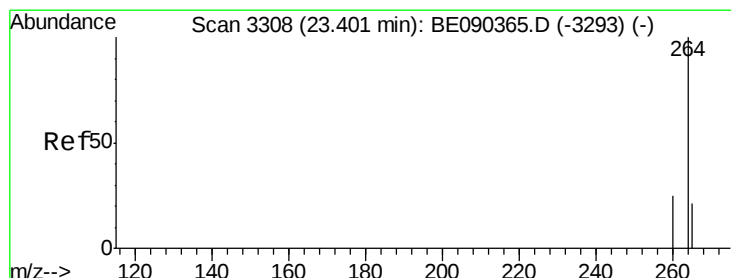
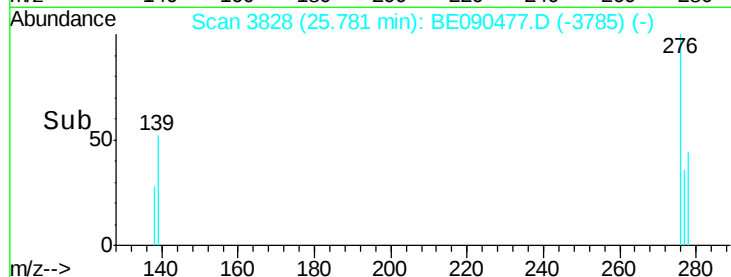
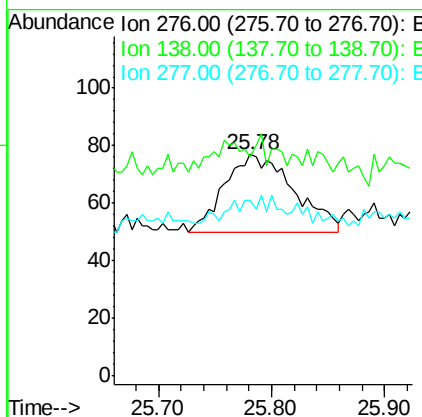
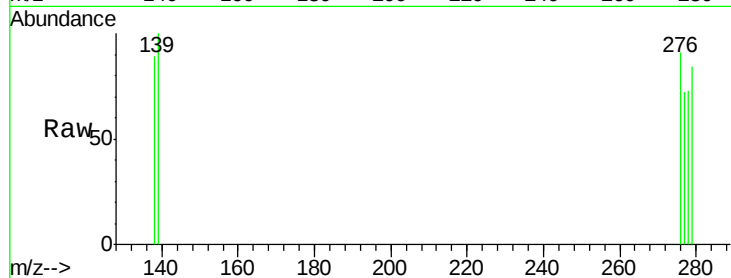




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.78 min Scan# 3828
 Delta R.T. -0.00 min
 Lab File: BE090477.D
 Acq: 12 Aug 2015 21:09

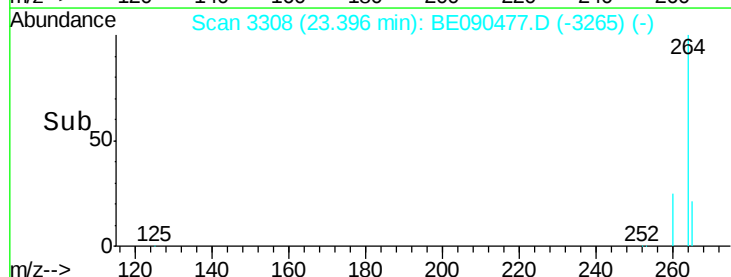
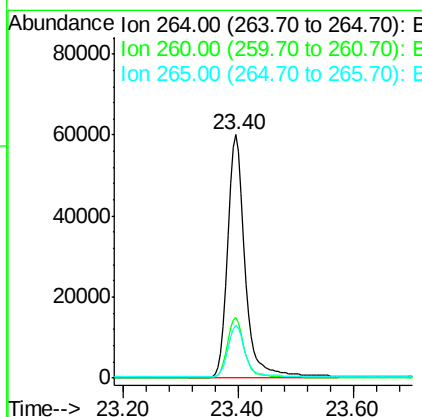
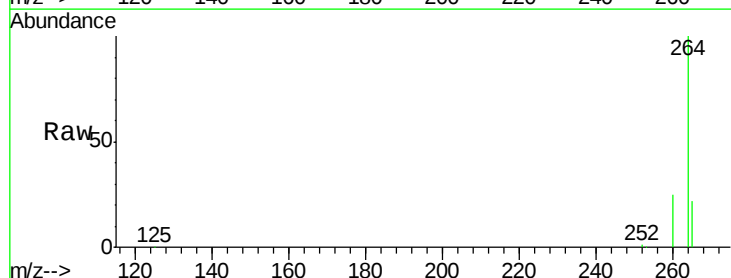
Instrument :
 BNA_E
 ClientSampleId :

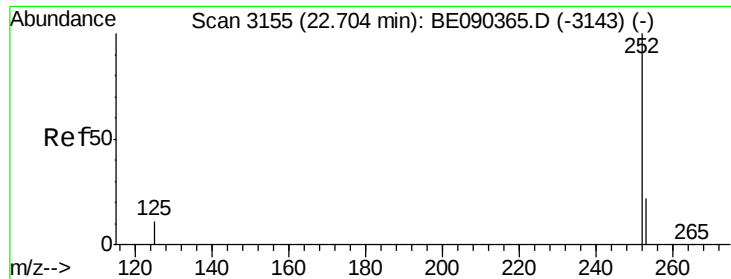
Tot Ion:276 Resp: 114
 Ion Ratio Lower Upper
 276 100
 138 4.4 18.8 28.2#
 277 0.0 18.2 27.4#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.01 min
 Lab File: BE090477.D
 Acq: 12 Aug 2015 21:09

Tgt Ion:264 Resp: 130543
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.1 30.1
 265 21.6 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

Instrument :

BNA_E

ClientSampleId :

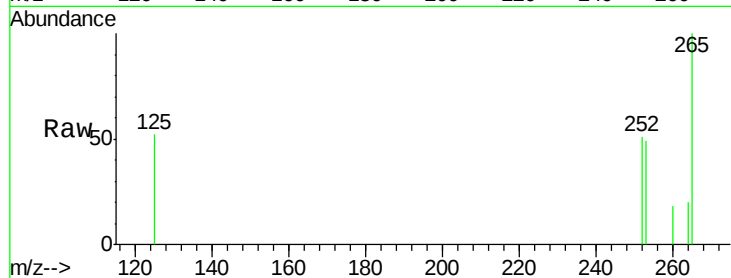
Tot Ion:252 Resp: 123

Ion Ratio Lower Upper

252 100

253 97.4 18.1 27.1#

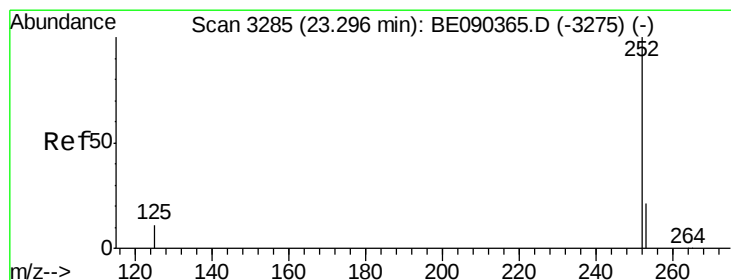
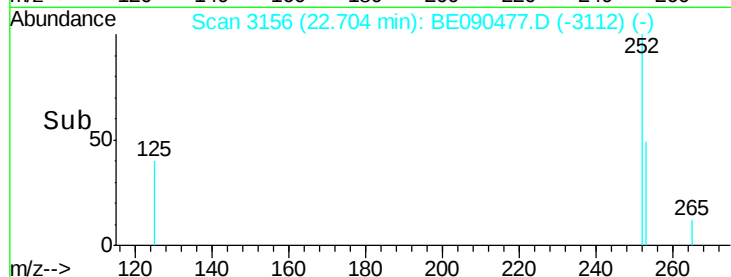
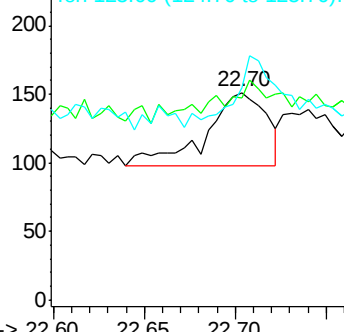
125 102.6 9.4 14.2#



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



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090477.D

Acq: 12 Aug 2015 21:09

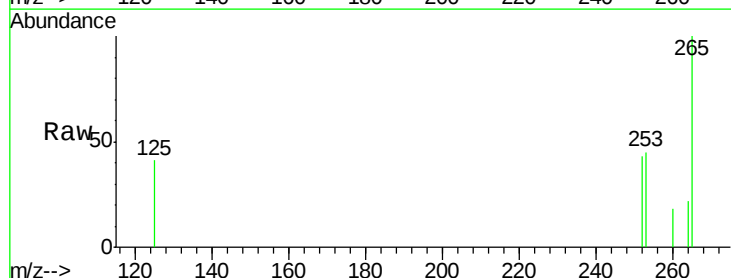
Tgt Ion:252 Resp: 40

Ion Ratio Lower Upper

252 100

253 105.2 17.6 26.4#

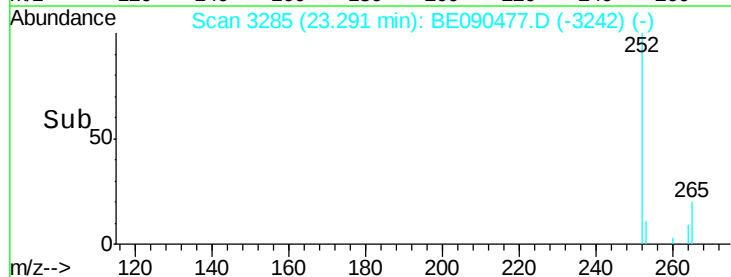
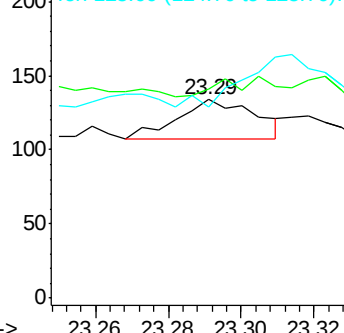
125 96.3 9.8 14.6#

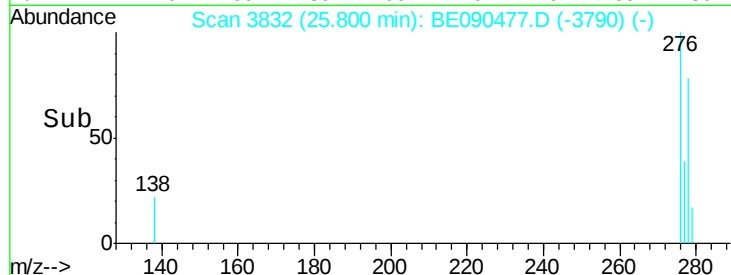
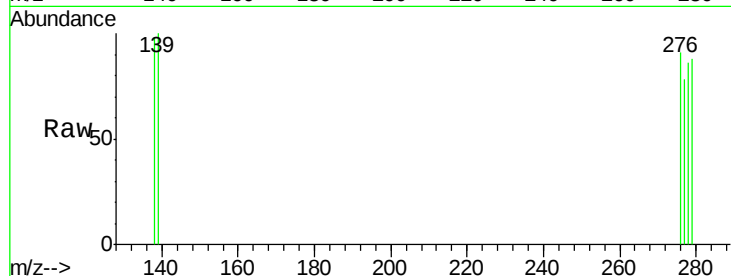
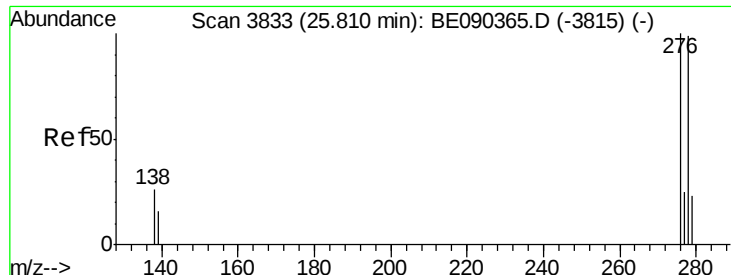


Abundance Ion 252.00 (251.70 to 252.70): E

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: BE090477.D

Acq: 12 Aug 2015 21:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 278 Resp: 77

Ion Ratio Lower Upper

278 100

139 115.7 14.2 21.4#

279 101.4 20.1 30.1#

