

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090449.D
 Acq On : 12 Aug 2015 4:00
 Operator : UM/IZ
 Sample : G3136-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 12 06:48:02 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	18656	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	86291	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	50298	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	117140	5.00	ng	0.00
25) Chrysene-d12	21.09	240	139714	5.00	ng	0.00
32) Perylene-d12	23.40	264	123024	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	12891	4.61	ng	0.00
5) Phenol-d6	6.77	99	12185	2.19	ng	0.00
7) Nitrobenzene-d5	8.73	82	22590	3.29	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	14882	9.08	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	57611	4.16	ng	0.00
27) Terphenyl-d14	19.56	244	123579	6.00	ng	0.00

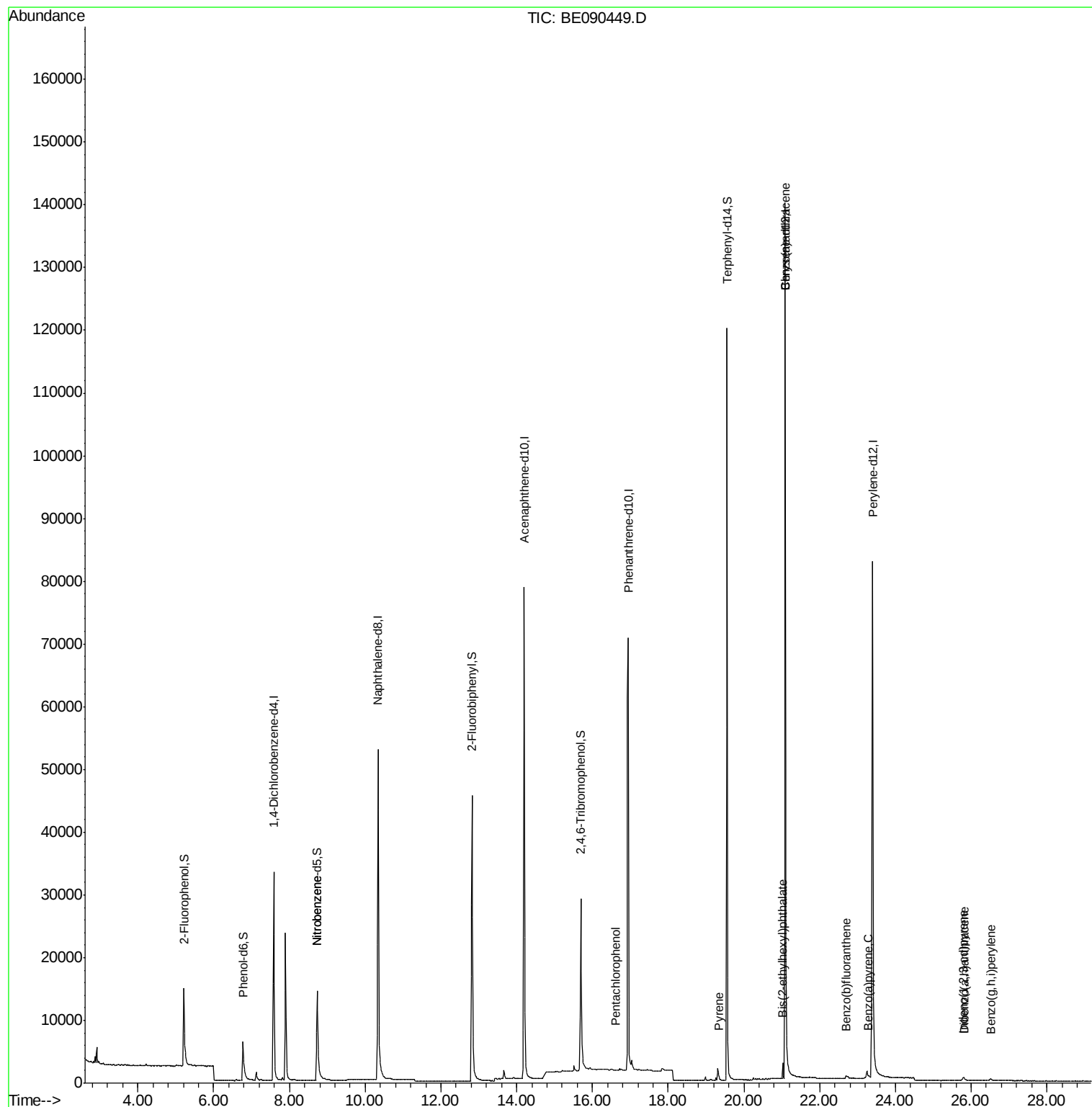
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	9	Below Cal	#	15
8) Nitrobenzene	8.73	77	51	0.22 ng	#	49
10) Hexachlorobutadiene	10.70	225	2	Below Cal	#	1
21) Pentachlorophenol	16.61	266	40	0.14 ng	#	73
26) Pyrene	19.34	202	645	0.02 ng	#	92
28) Benzo(a)anthracene	21.09	228	846	0.03 ng	#	82
30) Bis(2-ethylhexyl)phthalate	21.03	149	2353	0.42 ng		99
31) Indeno(1,2,3-cd)pyrene	25.79	276	901	0.28 ng		97
33) Benzo(b)fluoranthene	22.70	252	591	0.21 ng	#	24
35) Benzo(a)pyrene	23.29	252	596	0.25 ng	#	32
36) Dibenzo(a,h)anthracene	25.81	278	704	0.31 ng	#	48
37) Benzo(g,h,i)perylene	26.51	276	697	0.03 ng	#	63

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

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Quant Time: Aug 12 06:48:02 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
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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

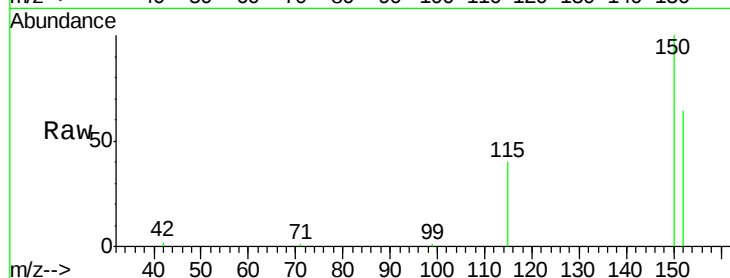
Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Instrument :

BNA_E

ClientSampled :



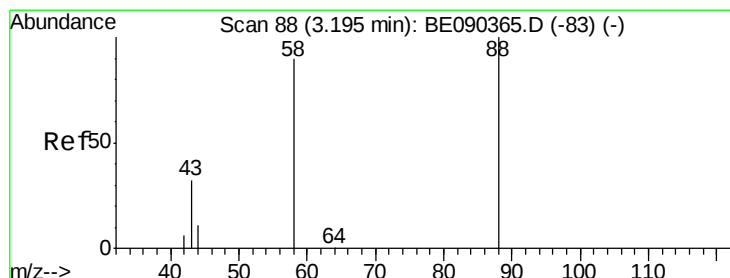
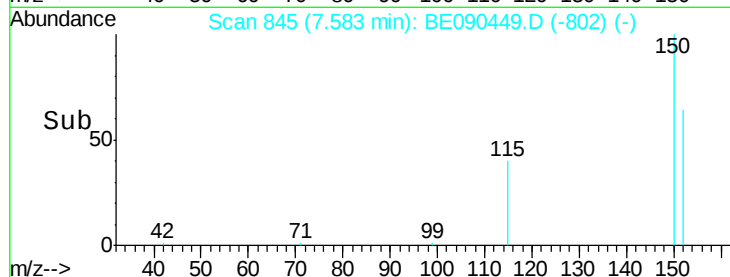
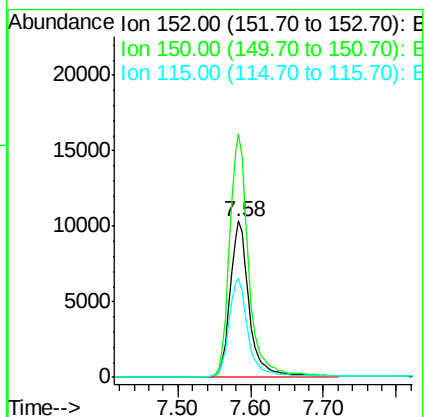
Tgt Ion: 152 Resp: 18656

Ion Ratio Lower Upper

152 100

150 155.7 123.0 184.4

115 62.9 48.9 73.3



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.36 min Scan# 112

Delta R.T. 0.16 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

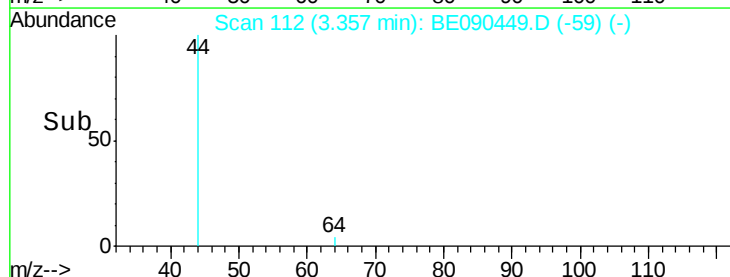
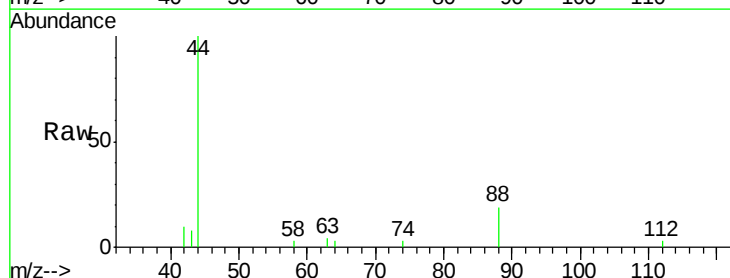
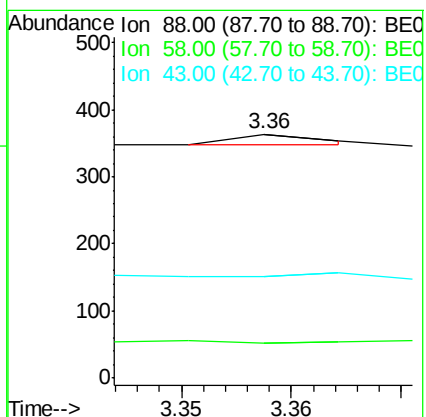
Tgt Ion: 88 Resp: 9

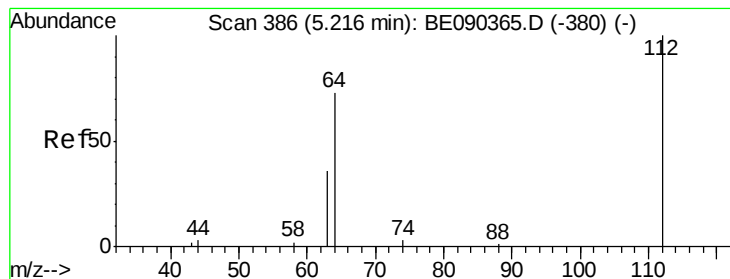
Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

43 0.0 28.4 42.6#





#4

2-Fluorophenol

Concen: 4.61 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Instrument :

BNA_E

ClientSampleId :

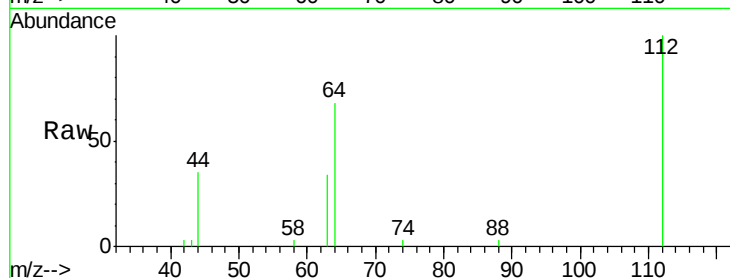
Tgt Ion: 112 Resp: 12891

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

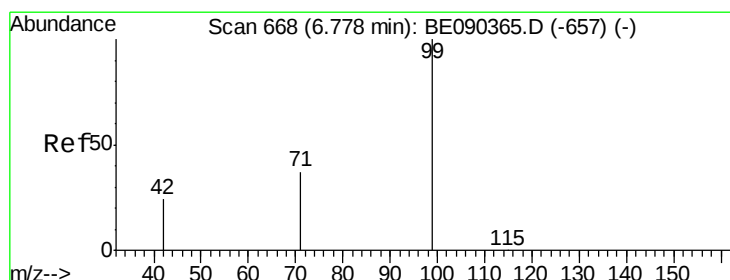
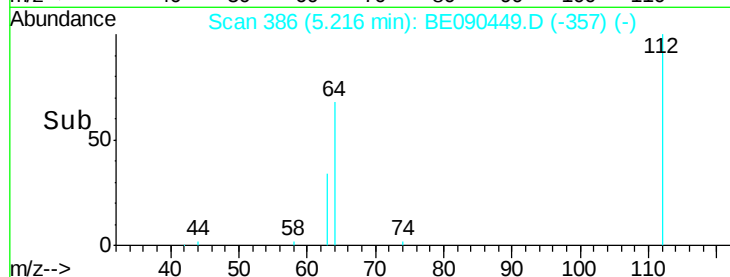
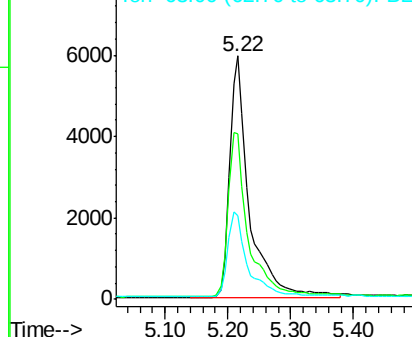
63 36.7 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090449.D (-357) (-)

Ion 64.00 (63.70 to 64.70): BE090449.D (-357) (-)

Ion 63.00 (62.70 to 63.70): BE090449.D (-357) (-)



#5

Phenol-d6

Concen: 2.19 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

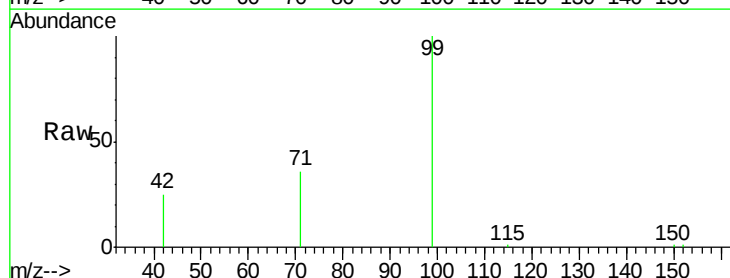
Tgt Ion: 99 Resp: 12185

Ion Ratio Lower Upper

99 100

42 21.6 18.2 27.4

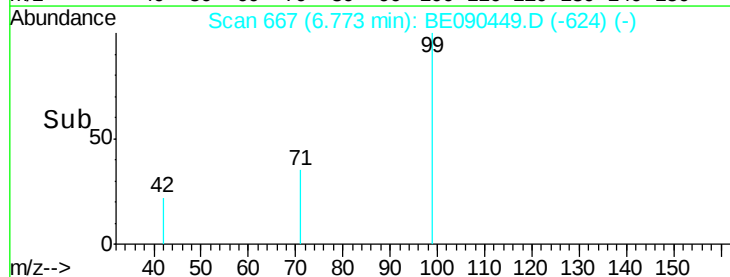
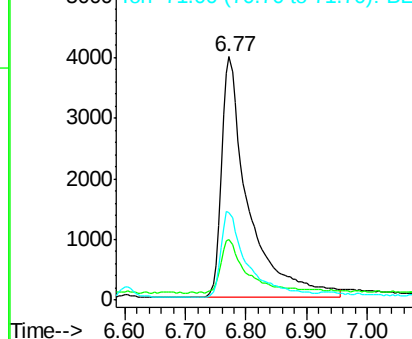
71 35.2 27.4 41.0

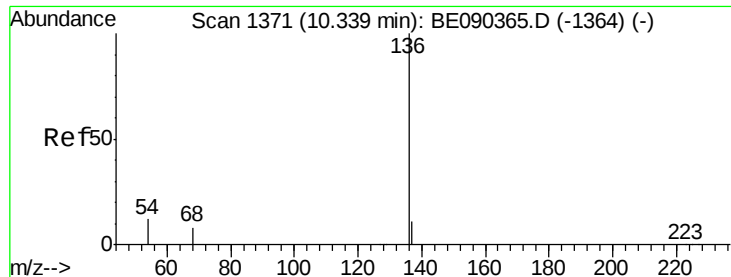


Abundance Ion 99.00 (98.70 to 99.70): BE090449.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090449.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090449.D (-624) (-)

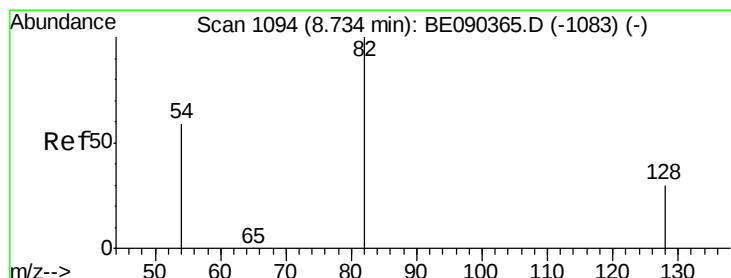
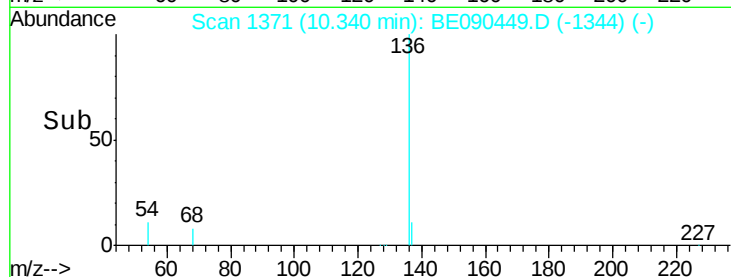
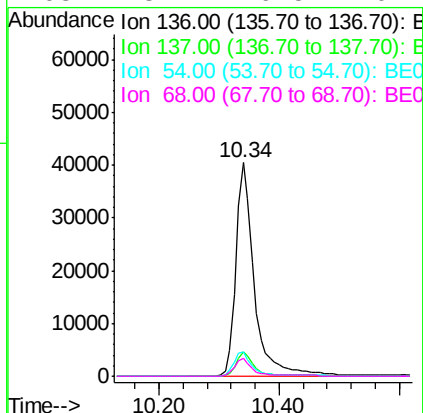
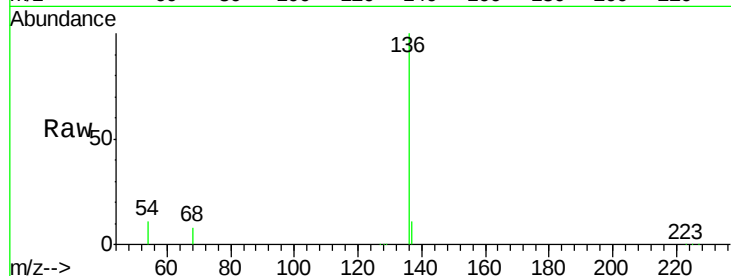




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090449.D
Acq: 12 Aug 2015 4:00

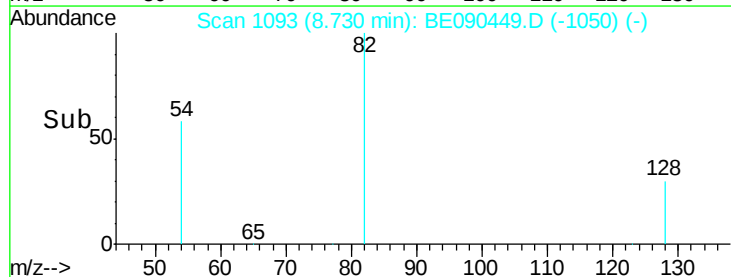
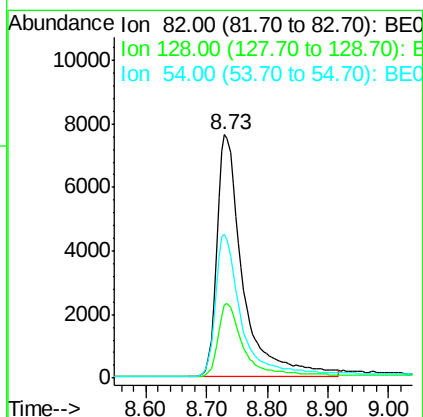
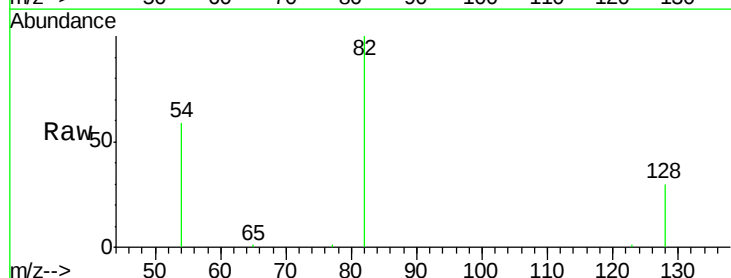
Instrument :
BNA_E
ClientSampleId :

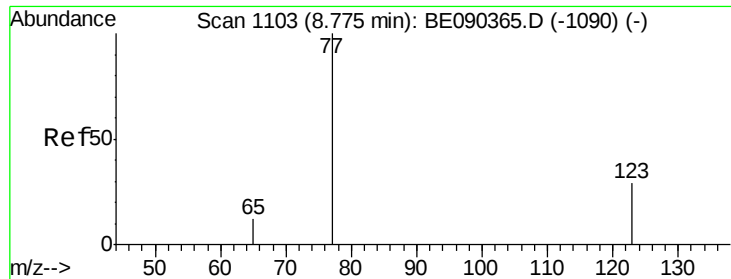
Tgt Ion:	136	Resp:	86291
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	11.3	9.4	14.0
68	8.2	6.5	9.7



#7
Nitrobenzene-d5
Concen: 3.29 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090449.D
Acq: 12 Aug 2015 4:00

Tgt Ion:	82	Resp:	22590
Ion	Ratio	Lower	Upper
82	100		
128	30.3	25.0	37.6
54	58.9	48.8	73.2





#8

Nitrobenzene

Concen: 0.22 ng

RT: 8.73 min Scan# 1092

Delta R.T. -0.05 min

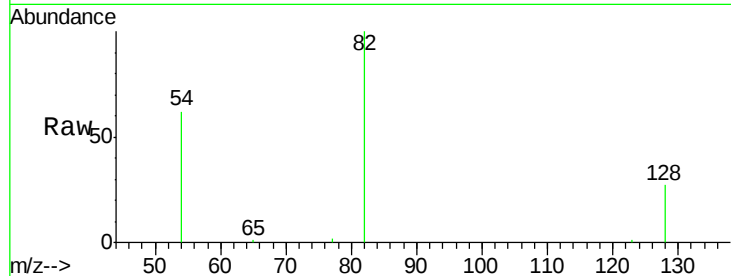
Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

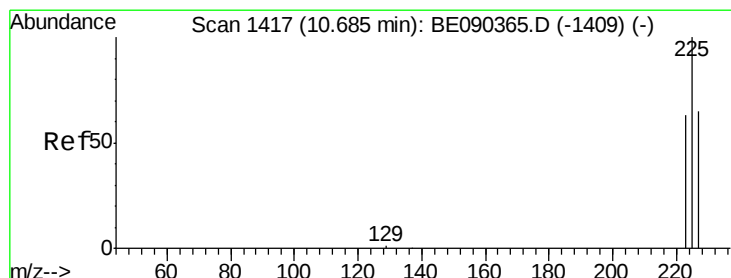
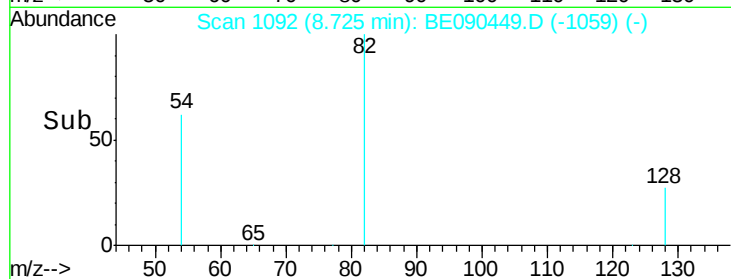
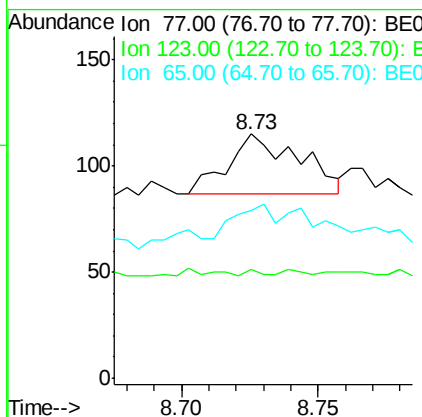
Instrument :

BNA_E

ClientSampled :



Tgt Ion:	77	Resp:	51
Ion	Ratio	Lower	Upper
77	100		
123	2.0	25.1	37.7#
65	29.4	9.3	13.9#



#10

Hexachlorobutadiene

Concen: Below Cal

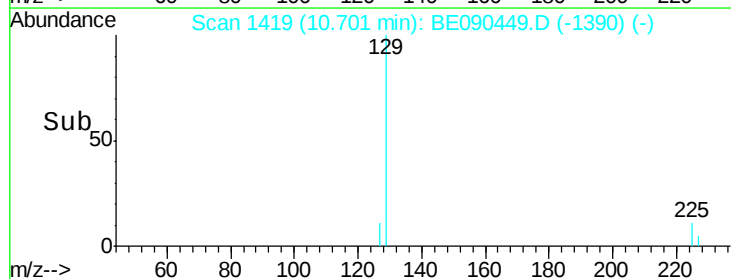
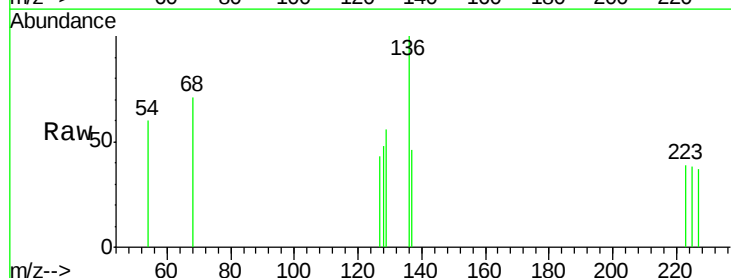
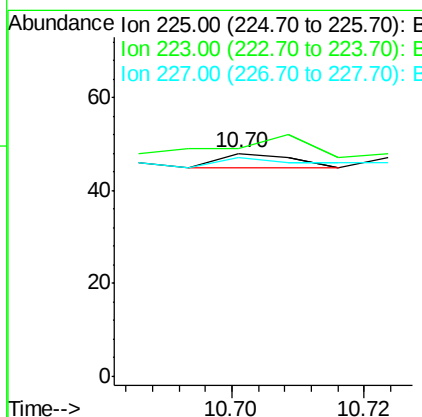
RT: 10.70 min Scan# 1419

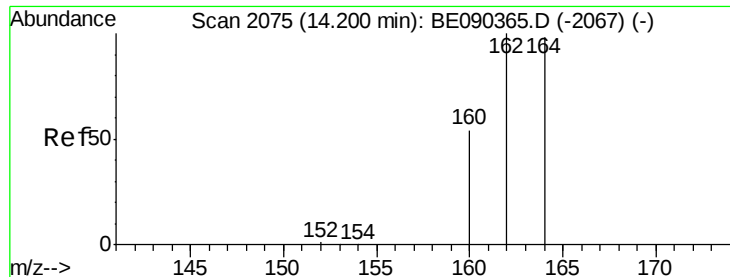
Delta R.T. 0.02 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Tgt Ion:	225	Resp:	2
Ion	Ratio	Lower	Upper
225	100		
223	200.0	50.6	75.8#
227	100.0	50.7	76.1#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Instrument :

BNA_E

ClientSampleId :

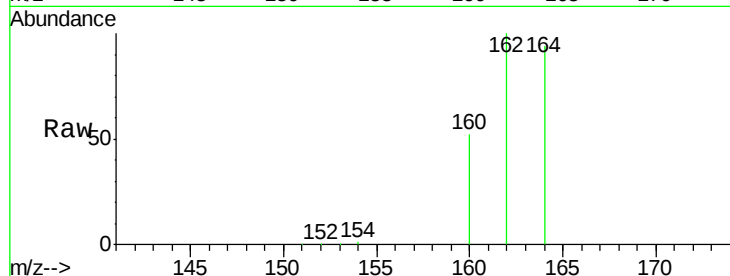
Tgt Ion:164 Resp: 50298

Ion Ratio Lower Upper

164 100

162 106.8 81.8 122.8

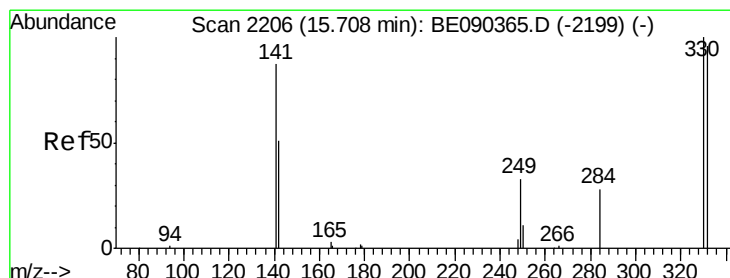
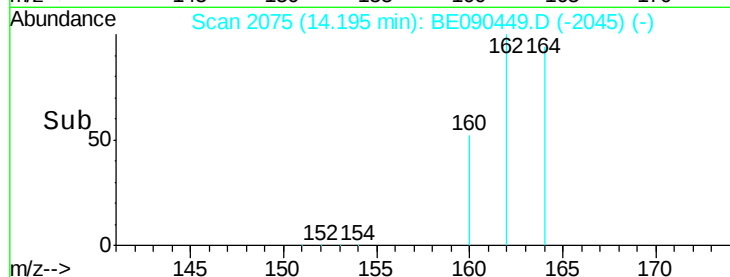
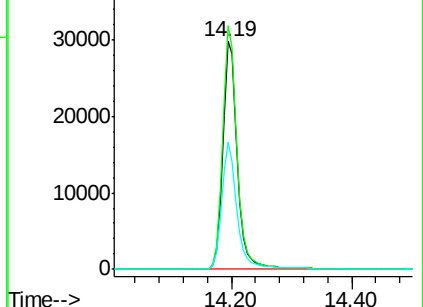
160 55.8 44.2 66.4



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: 9.08 ng

RT: 15.69 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

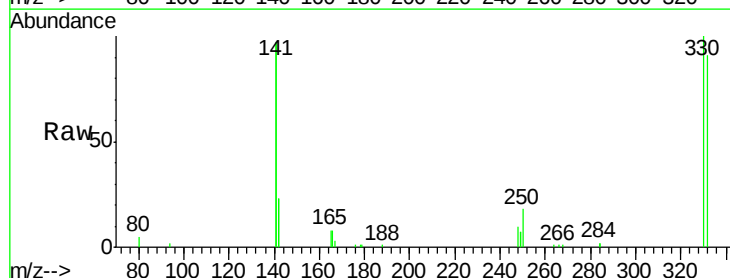
Tgt Ion:330 Resp: 14882

Ion Ratio Lower Upper

330 100

332 96.8 75.8 113.6

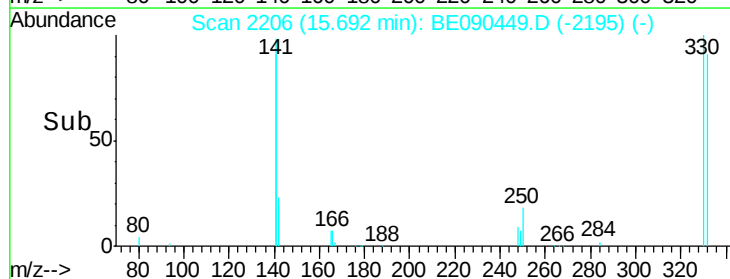
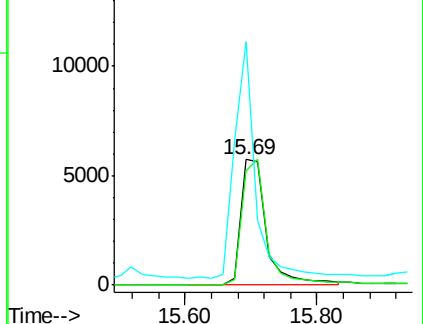
141 157.6 114.4 171.6



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

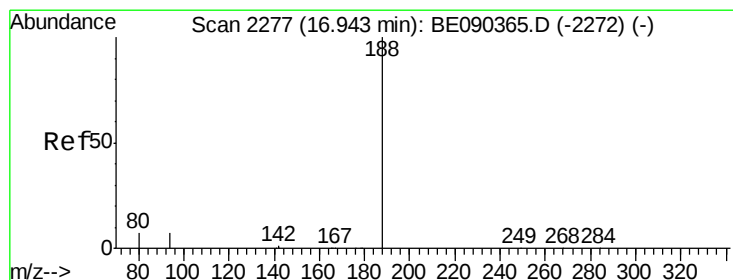
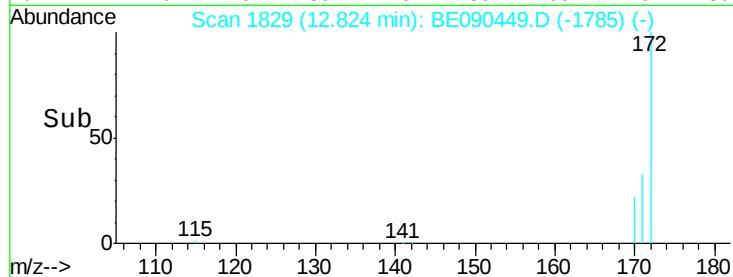
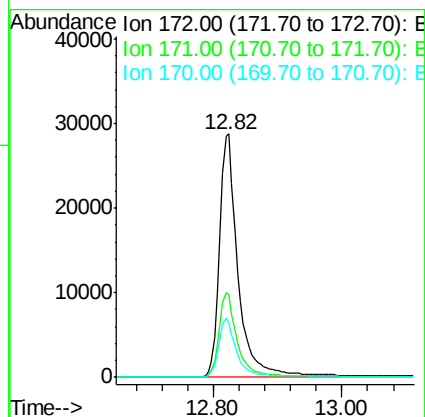
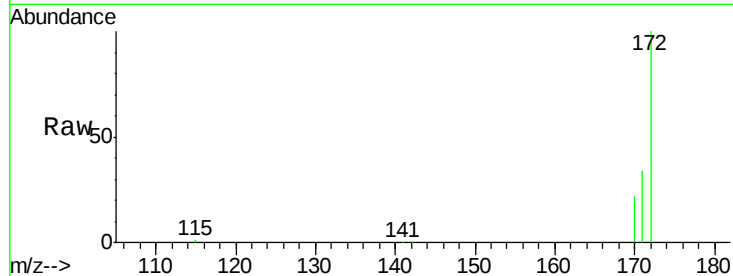




#14
 2-Fluorobiphenyl
 Concen: 4.16 ng
 RT: 12.82 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE090449.D
 Acq: 12 Aug 2015 4:00

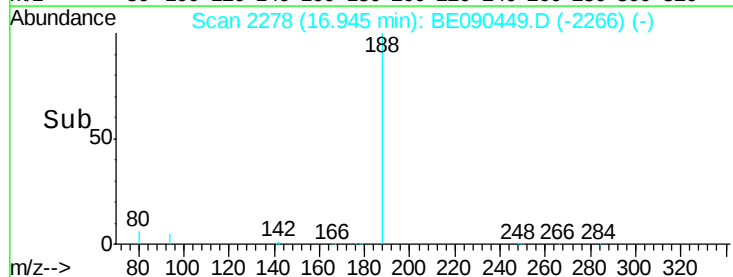
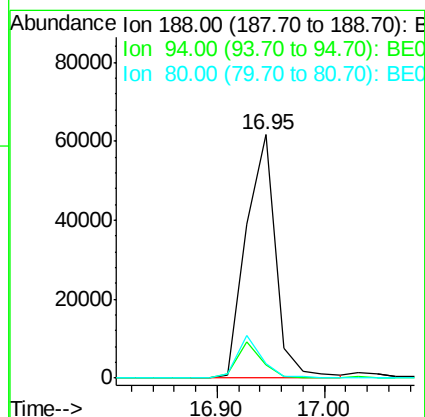
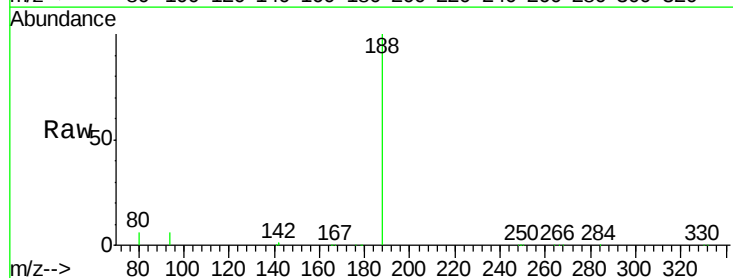
Instrument :
 BNA_E
 ClientSampleId :

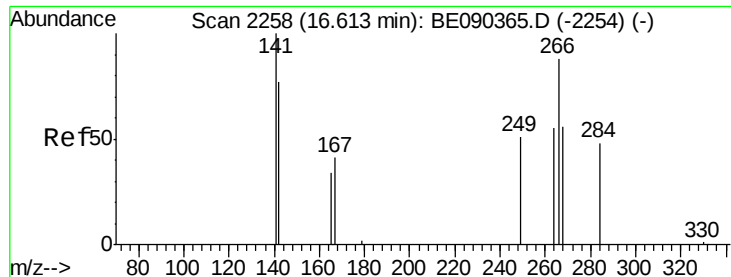
Tgt Ion:172 Resp: 57611
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.5 42.7
 170 22.2 19.8 29.8



#18
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.95 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: BE090449.D
 Acq: 12 Aug 2015 4:00

Tgt Ion:188 Resp: 117140
 Ion Ratio Lower Upper
 188 100
 94 5.6 5.7 8.5#
 80 5.8 5.8 8.8#

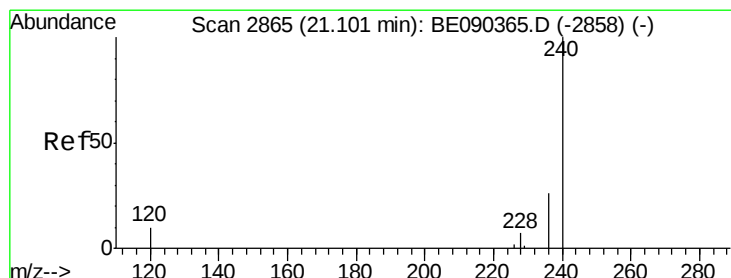
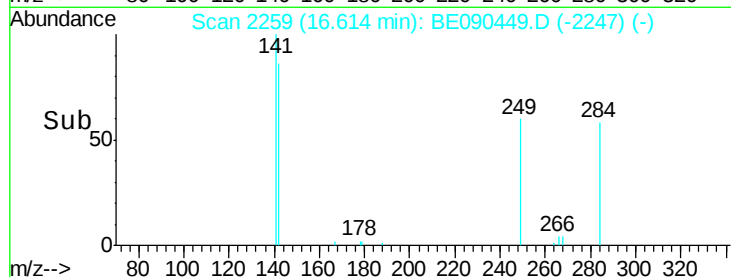
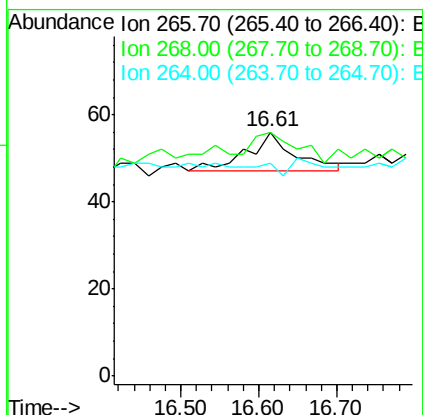
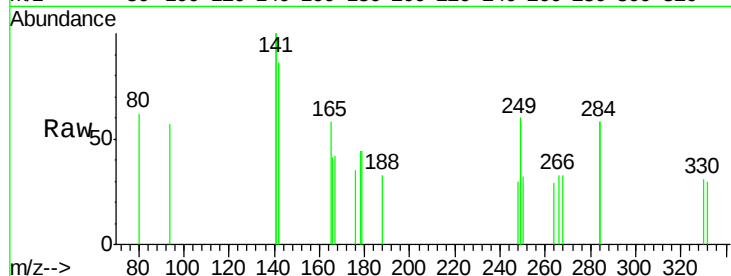




#21
 Pentachlorophenol
 Concen: 0.14 ng
 RT: 16.61 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: BE090449.D
 Acq: 12 Aug 2015 4:00

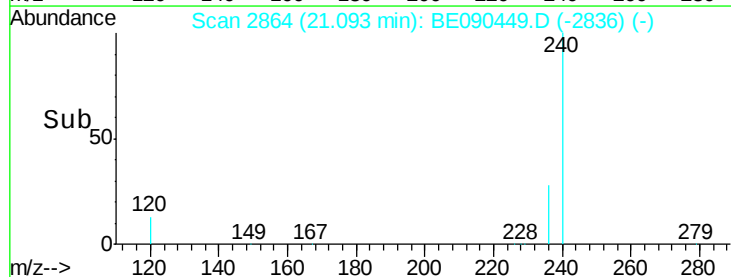
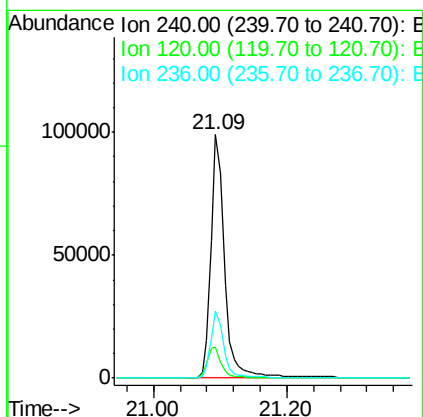
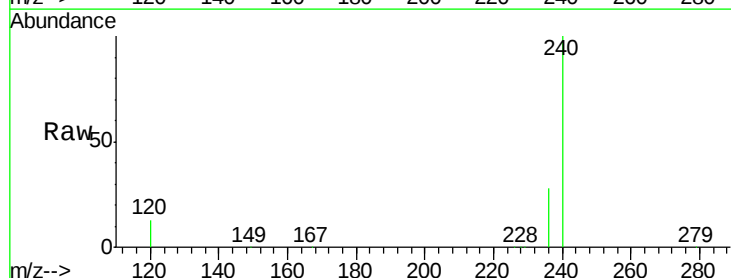
Instrument :
 BNA_E
 ClientSampled :

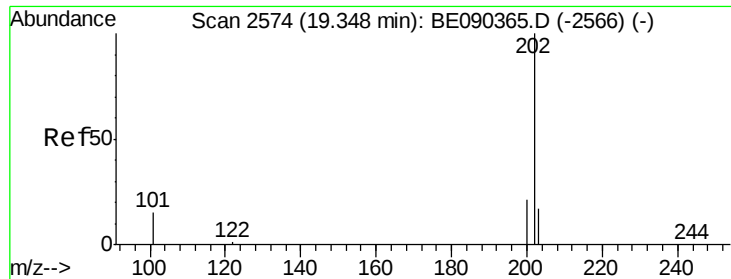
Tgt Ion: 266 Resp: 40
 Ion Ratio Lower Upper
 266 100
 268 100.0 58.5 87.7#
 264 87.5 56.0 84.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BE090449.D
 Acq: 12 Aug 2015 4:00

Tgt Ion: 240 Resp: 139714
 Ion Ratio Lower Upper
 240 100
 120 12.9 8.3 12.5#
 236 27.6 21.0 31.4

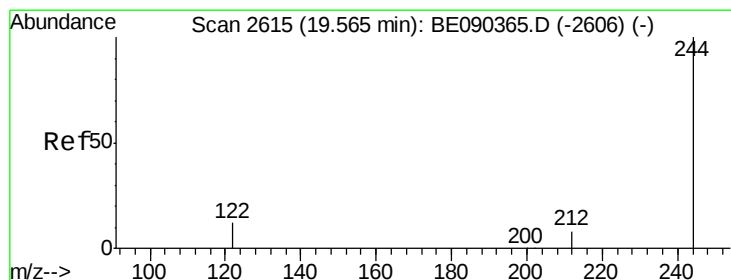
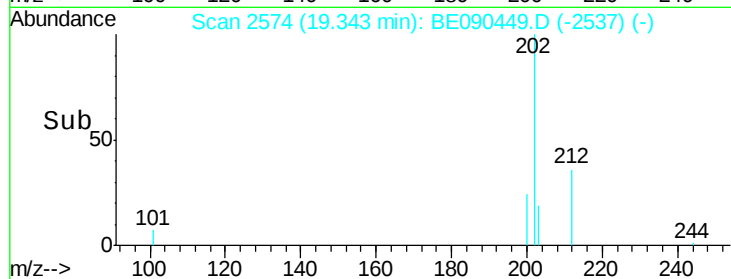
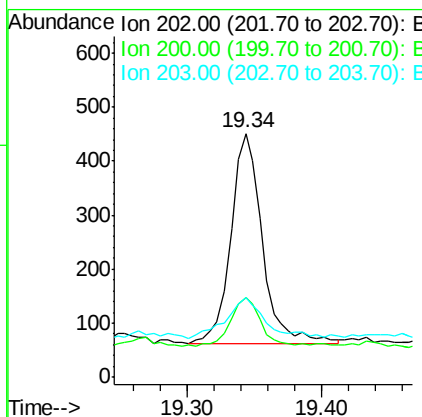
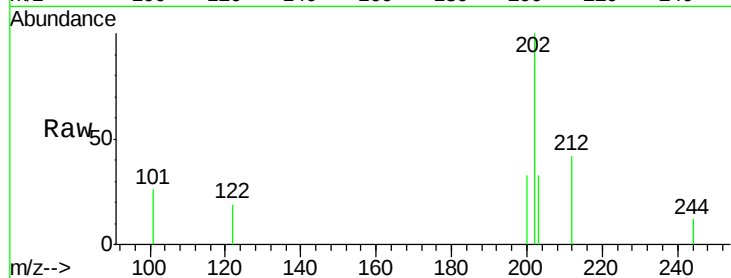




#26
 Pyrene
 Concen: 0.02 ng
 RT: 19.34 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: BE090449.D
 Acq: 12 Aug 2015 4:00

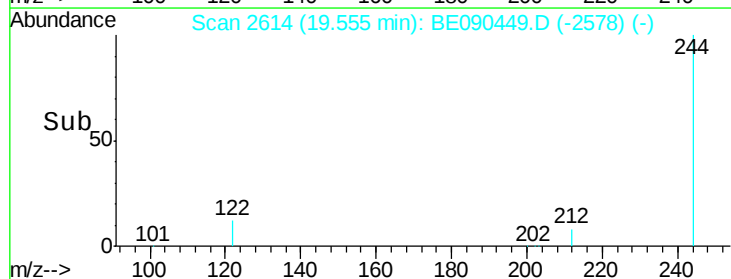
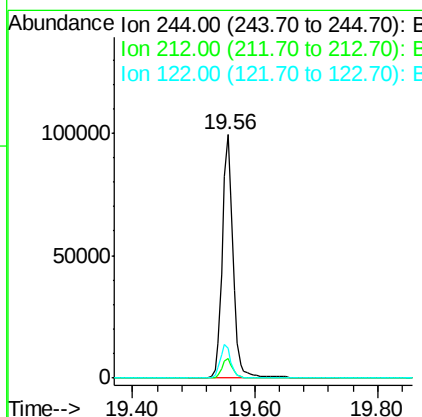
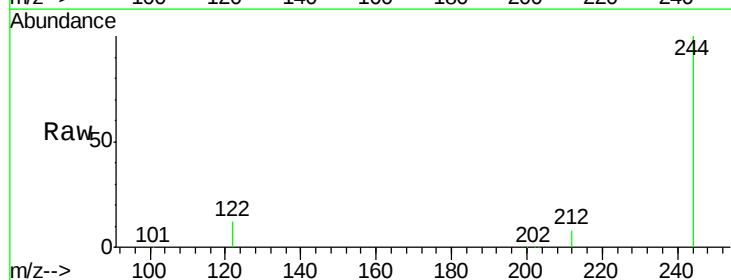
Instrument :
 BNA_E
 ClientSampleId :

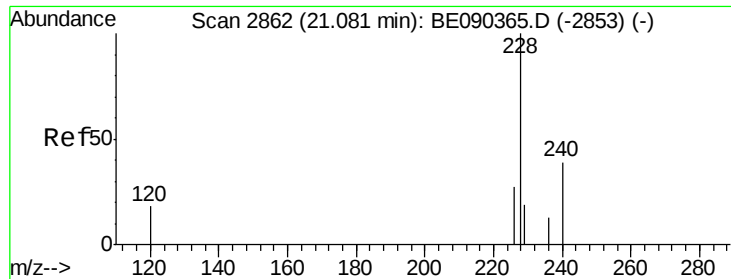
Tgt Ion: 202 Resp: 645
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.7 25.1
 203 24.0 13.8 20.8#



#27
 Terphenyl-d14
 Concen: 6.00 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090449.D
 Acq: 12 Aug 2015 4:00

Tgt Ion: 244 Resp: 123579
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 12.2 10.2 15.4





#28

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Instrument :

BNA_E

ClientSampleId :

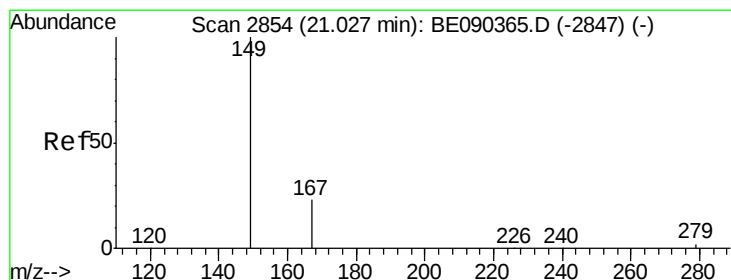
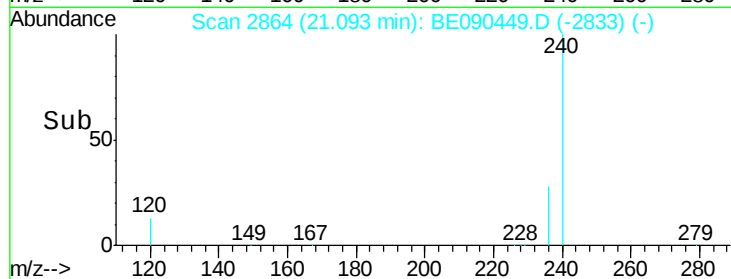
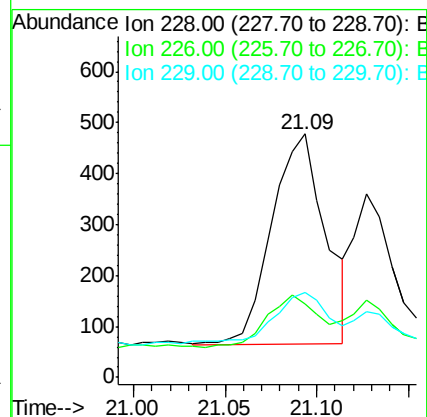
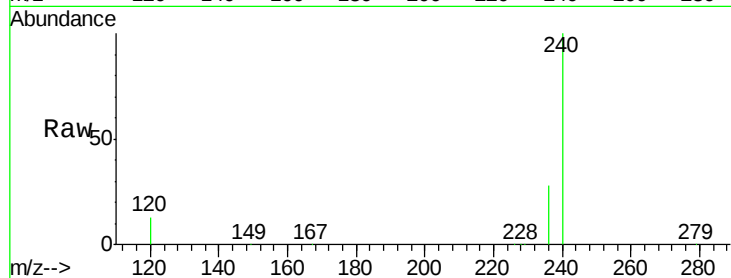
Tgt Ion:228 Resp: 846

Ion Ratio Lower Upper

228 100

226 30.3 21.9 32.9

229 34.9 15.4 23.0#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.42 ng

RT: 21.03 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

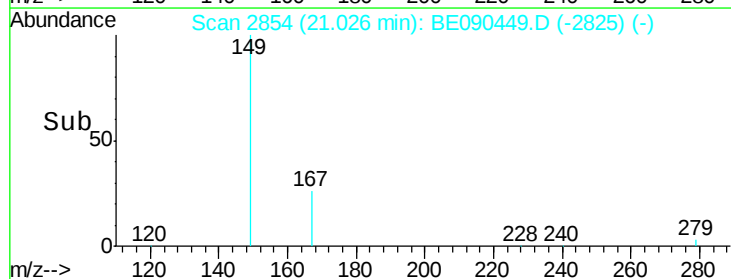
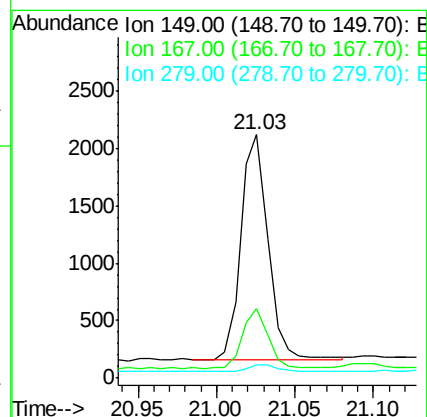
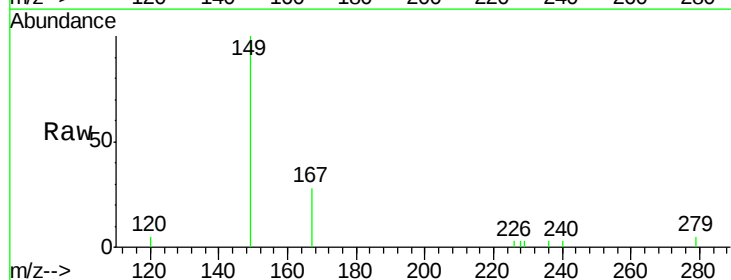
Tgt Ion:149 Resp: 2353

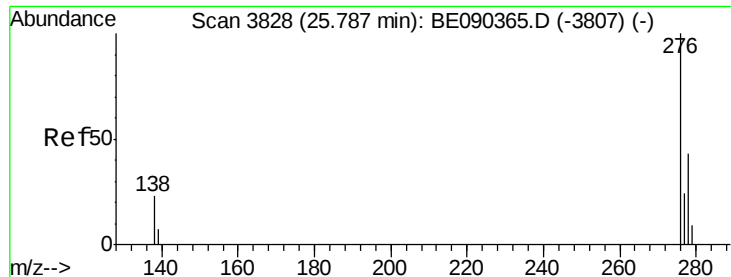
Ion Ratio Lower Upper

149 100

167 25.0 19.8 29.8

279 3.6 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.28 ng

RT: 25.79 min Scan# 3829

Delta R.T. -0.00 min

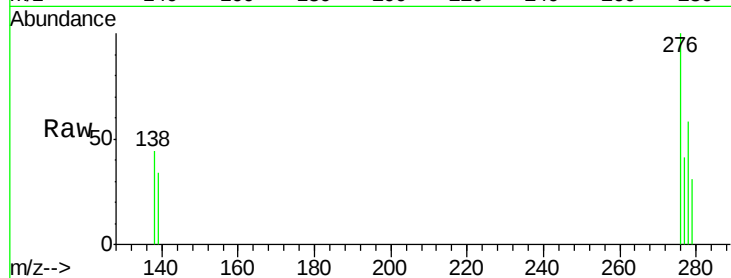
Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Instrument :

BNA_E

ClientSampleId :



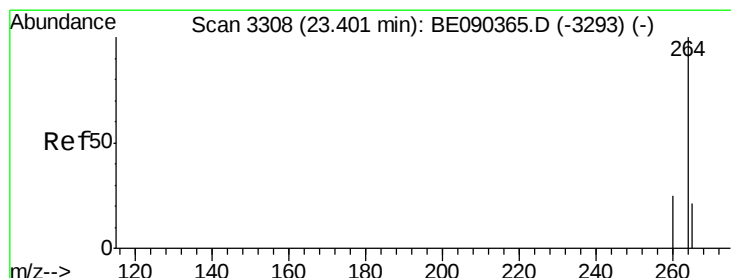
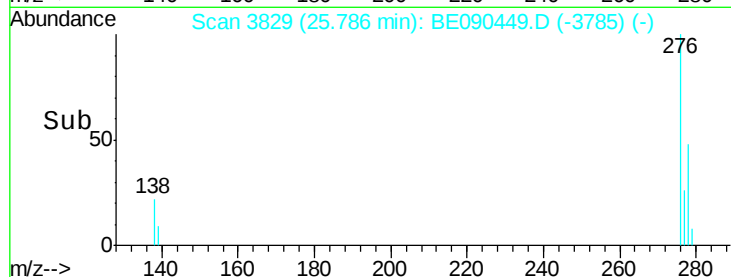
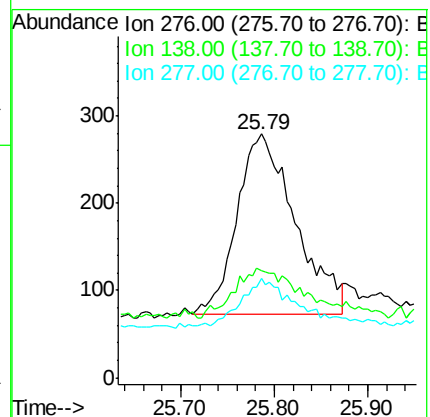
Tgt Ion: 276 Resp: 901

Ion Ratio Lower Upper

276 100

138 24.1 18.8 28.2

277 25.1 18.2 27.4



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

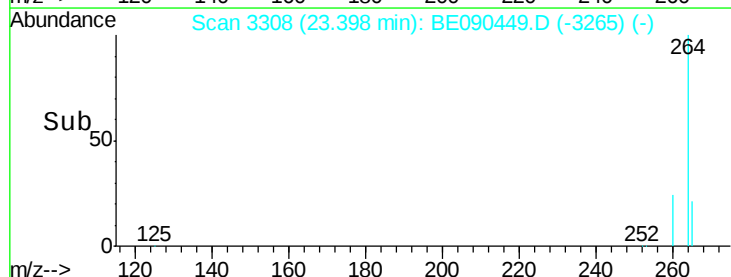
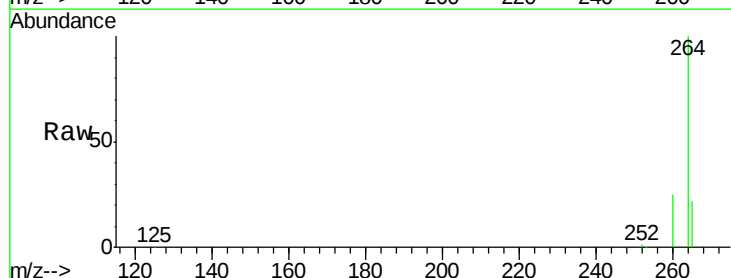
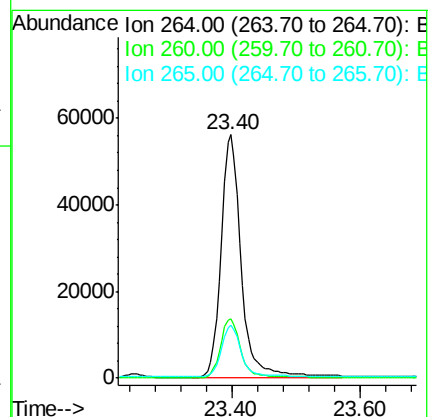
Tgt Ion: 264 Resp: 123024

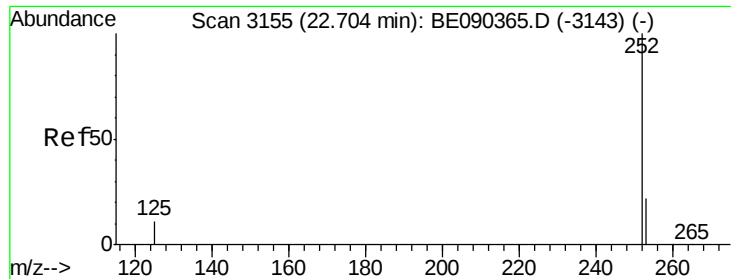
Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 22.0 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: BE090449.D

Acq: 12 Aug 2015 4:00

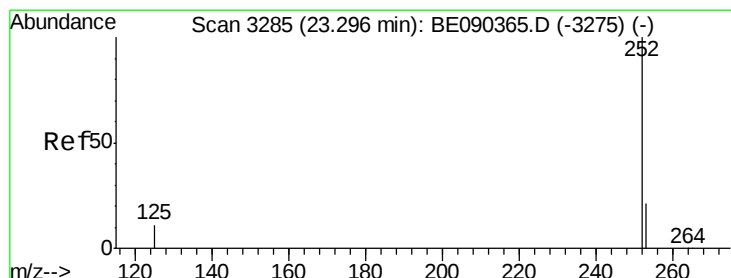
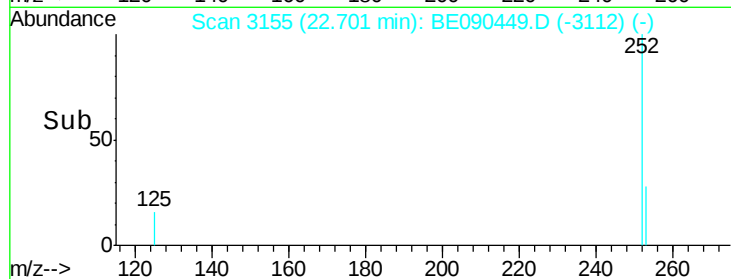
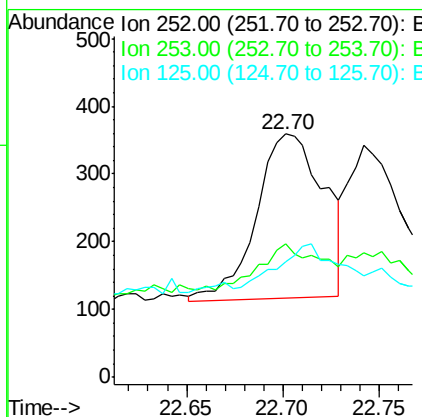
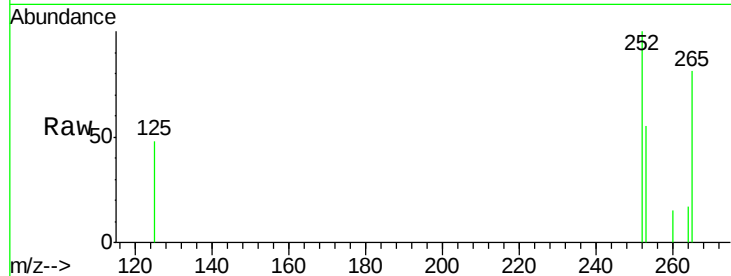
Instrument :

BNA_E

ClientSampled :

Tgt Ion: 252 Resp: 591

Ion	Ratio	Lower	Upper
252	100		
253	54.9	18.1	27.1#
125	47.6	9.4	14.2#



#35

Benzo(a)pyrene

Concen: 0.25 ng

RT: 23.29 min Scan# 3285

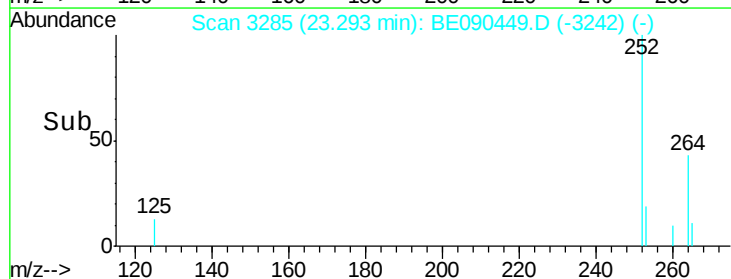
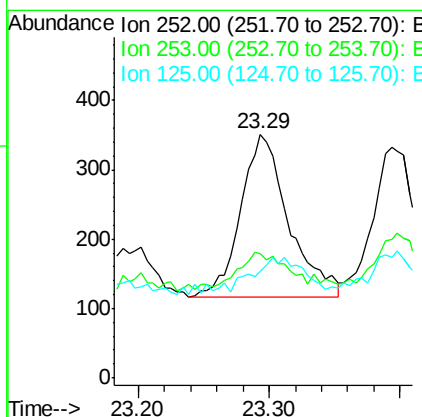
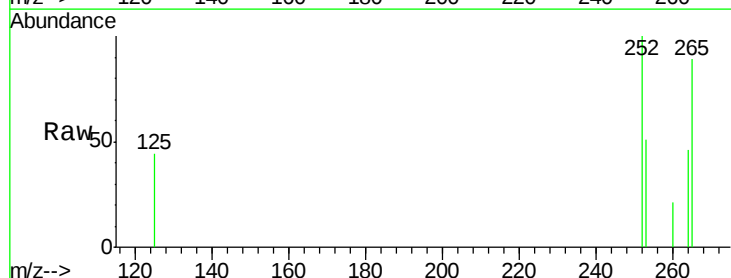
Delta R.T. -0.00 min

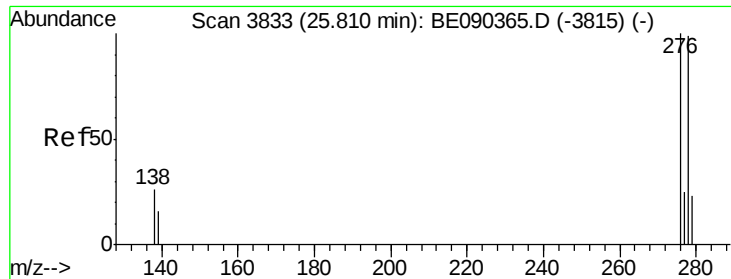
Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Tgt Ion: 252 Resp: 596

Ion	Ratio	Lower	Upper
252	100		
253	51.3	17.6	26.4#
125	43.9	9.8	14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.31 ng

RT: 25.81 min Scan# 3835

Delta R.T. 0.00 min

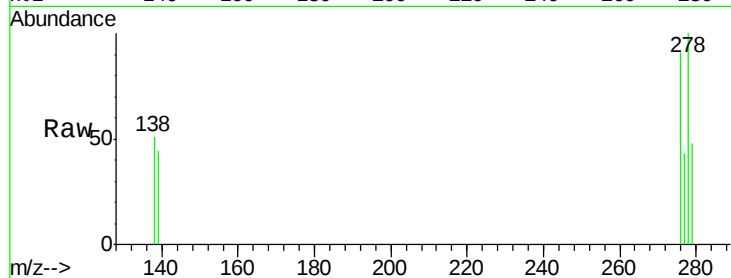
Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Instrument :

BNA_E

ClientSampled :



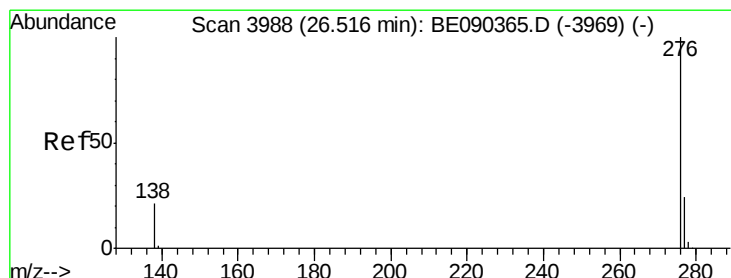
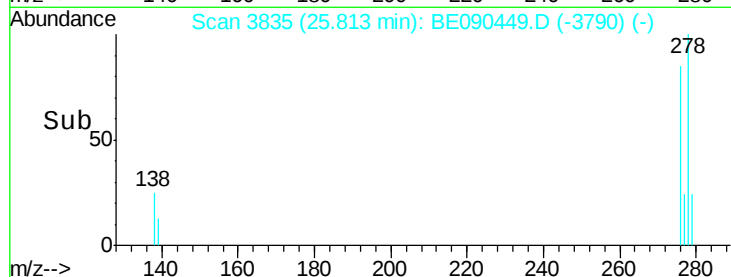
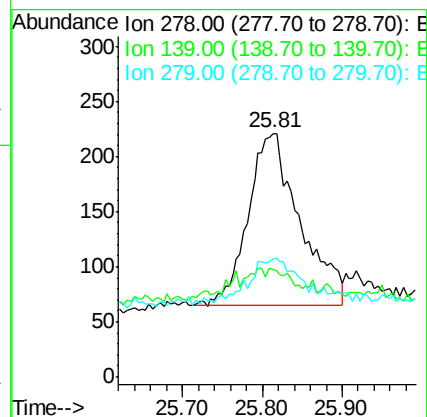
Tgt Ion: 278 Resp: 704

Ion Ratio Lower Upper

278 100

139 44.3 14.2 21.4#

279 48.4 20.1 30.1#



#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.51 min Scan# 3989

Delta R.T. -0.00 min

Lab File: BE090449.D

Acq: 12 Aug 2015 4:00

Tgt Ion: 276 Resp: 697

Ion Ratio Lower Upper

276 100

277 40.6 20.1 30.1#

138 43.3 18.1 27.1#

