

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090382.D
 Acq On : 6 Aug 2015 9:07
 Operator : TP/UM
 Sample : G3180-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080415-D506-E-D-S

Quant Time: Aug 06 11:18:34 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 02:22:05 2015
 Response via : Initial Calibration

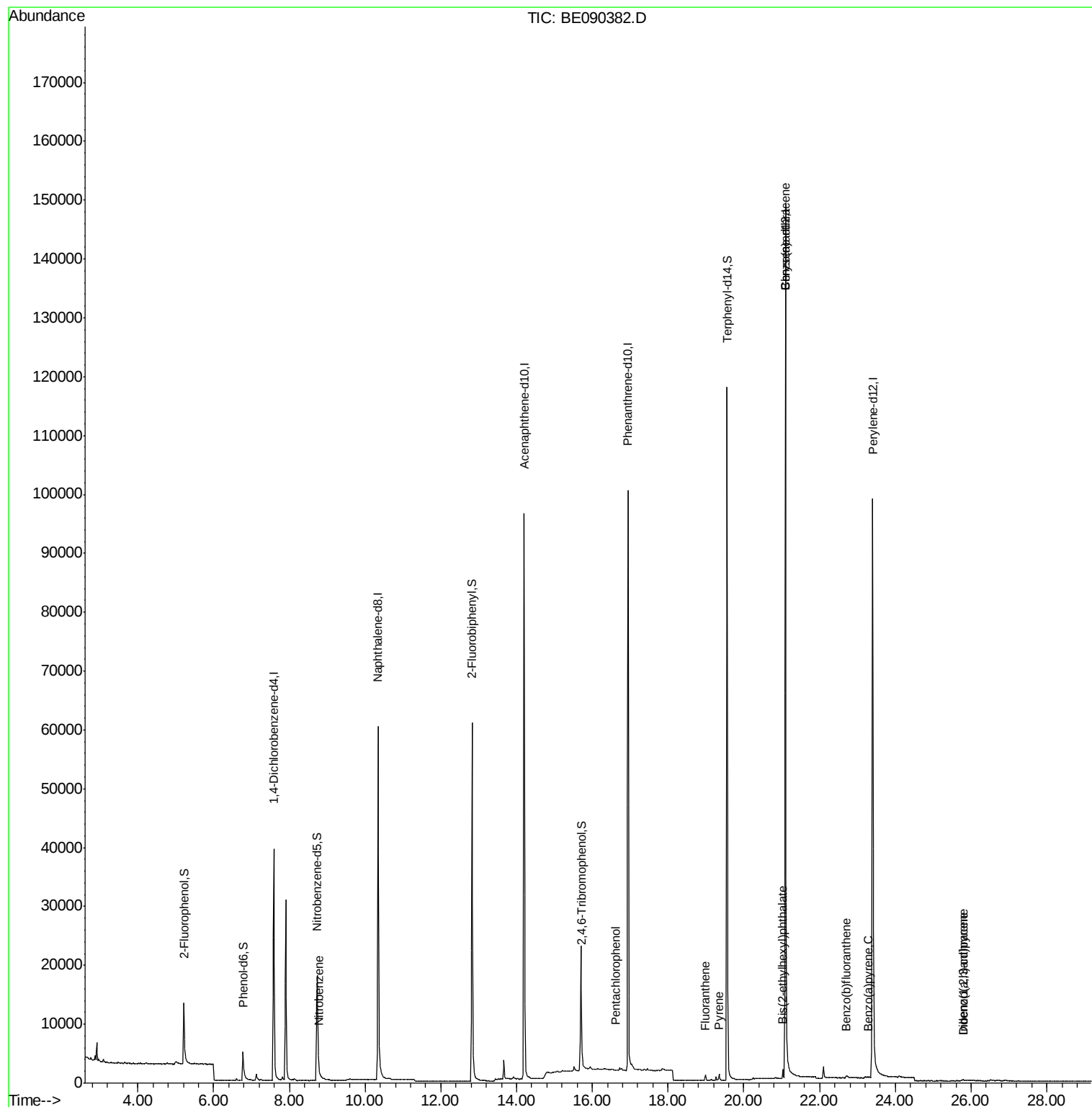
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	21322	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	95167	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	62158	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	135760	5.00	ng	0.00
25) Chrysene-d12	21.10	240	160578	5.00	ng	0.00
32) Perylene-d12	23.40	264	147004	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	10011	2.67	ng	0.00
5) Phenol-d6	6.77	99	8846	1.48	ng	0.00
7) Nitrobenzene-d5	8.73	82	25736	3.39	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	11281	6.52	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	68652	4.02	ng	0.00
27) Terphenyl-d14	19.56	244	135499	5.73	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.32	88	32	Below Cal	#	35
8) Nitrobenzene	8.80	77	18	0.21 ng	#	42
10) Hexachlorobutadiene	10.69	225	5	Below Cal	#	19
21) Pentachlorophenol	16.61	266	34	0.11 ng	#	72
24) Fluoranthene	18.99	202	1014	0.03 ng		96
26) Pyrene	19.35	202	1005	0.03 ng	#	93
28) Benzo(a)anthracene	21.09	228	984	0.03 ng	#	74
30) Bis(2-ethylhexyl)phthalate	21.03	149	1570	0.29 ng	#	96
31) Indeno(1,2,3-cd)pyrene	25.79	276	330	0.26 ng	#	84
33) Benzo(b)fluoranthene	22.70	252	569	0.21 ng	#	12
35) Benzo(a)pyrene	23.30	252	393	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	133	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: BE090382.D

Acq: 6 Aug 2015 9:07

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-D-S

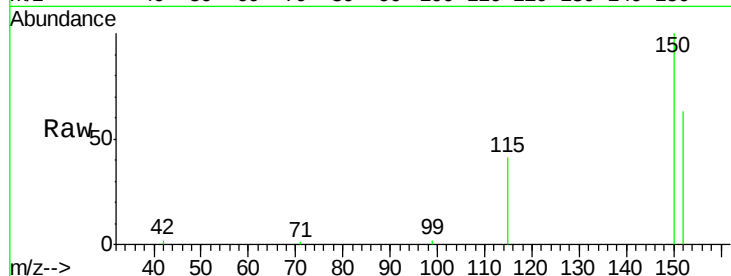
Tgt Ion:152 Resp: 21322

Ion Ratio Lower Upper

152 100

150 158.4 123.0 184.4

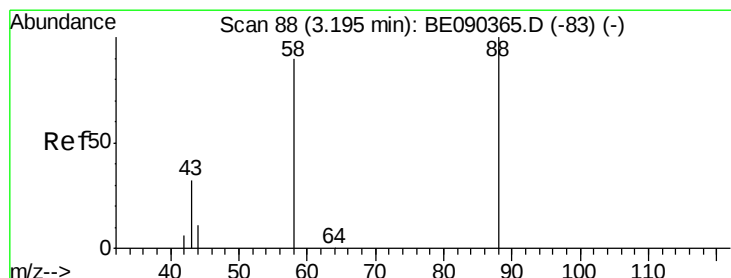
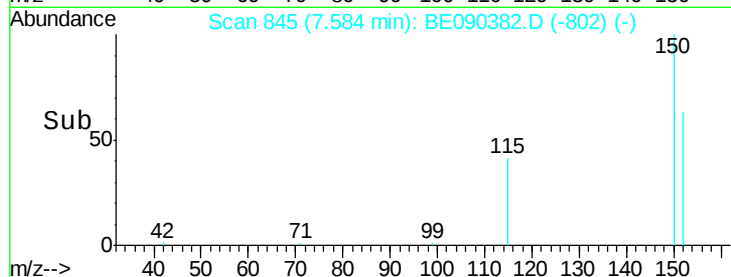
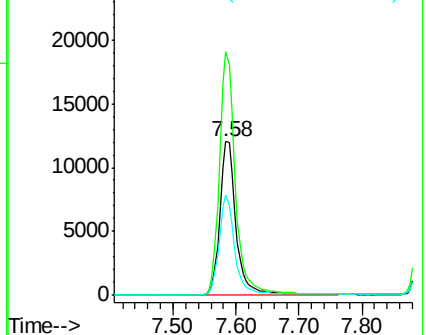
115 65.5 48.9 73.3



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: 3.32 min Scan# 106

Delta R.T. 0.12 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

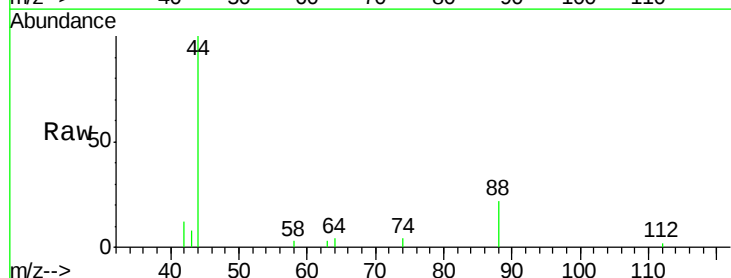
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

58 25.0 70.0 105.0#

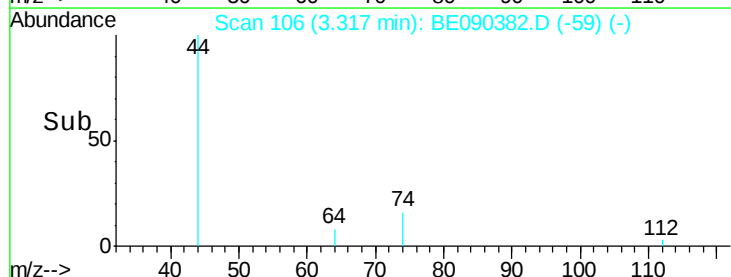
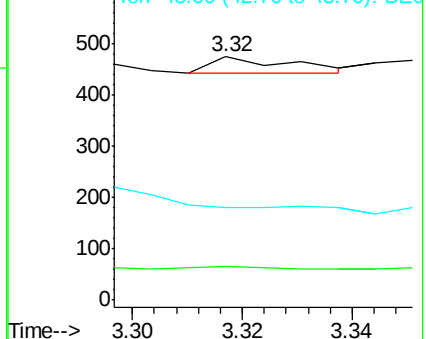
43 0.0 28.4 42.6#



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: 2.67 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-D-S

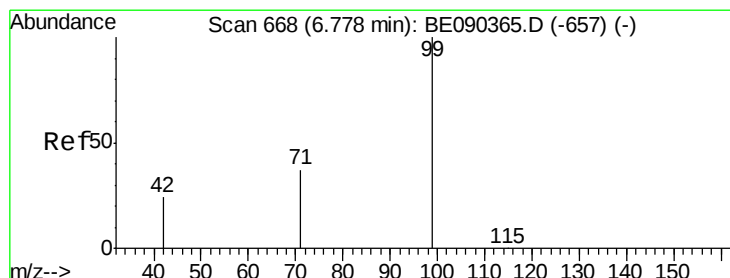
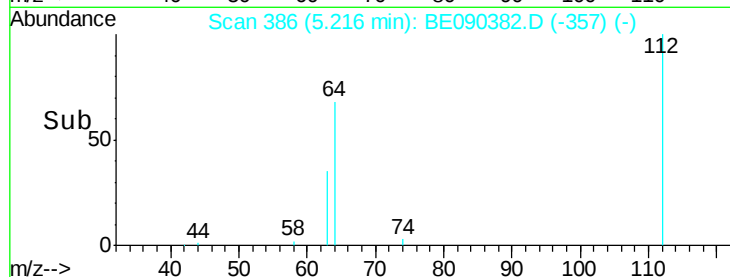
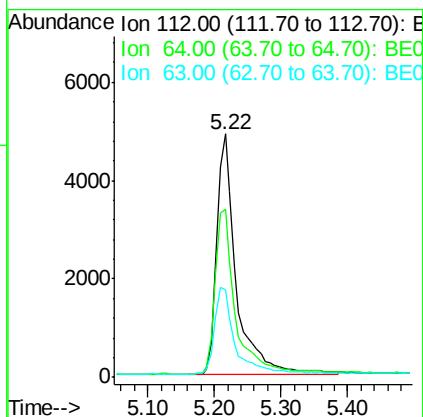
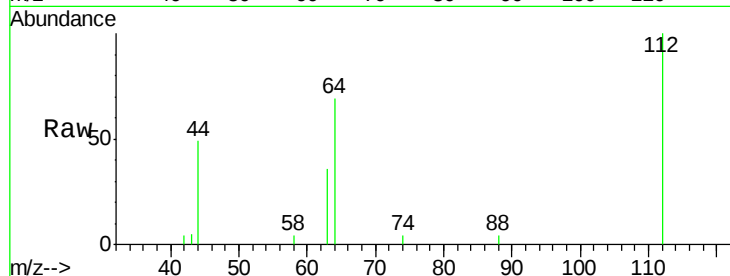
Tgt Ion: 112 Resp: 10011

Ion Ratio Lower Upper

112 100

64 71.0 37.1 55.7#

63 36.6 19.5 29.3#



#5

Phenol-d6

Concen: 1.48 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

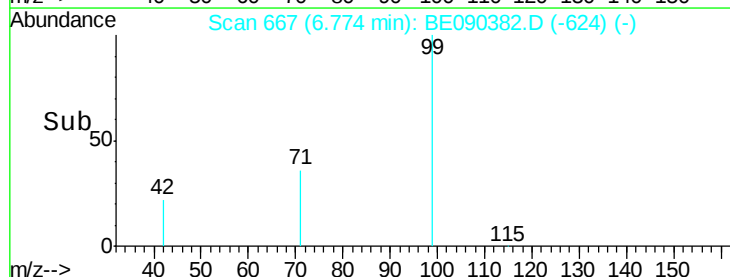
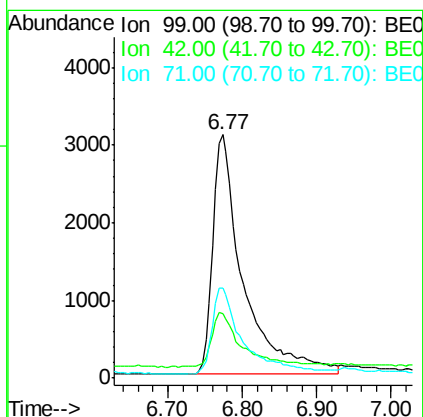
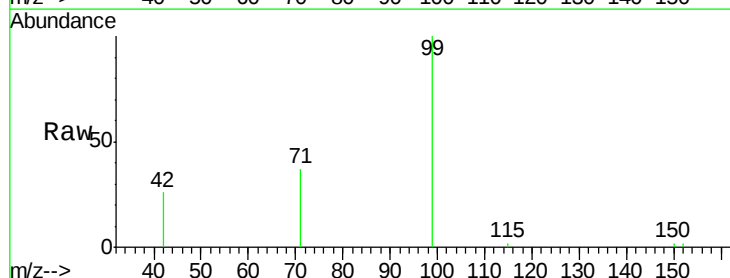
Tgt Ion: 99 Resp: 8846

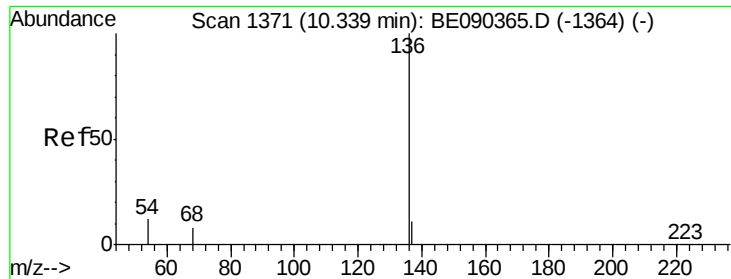
Ion Ratio Lower Upper

99 100

42 21.9 18.2 27.4

71 35.9 27.4 41.0

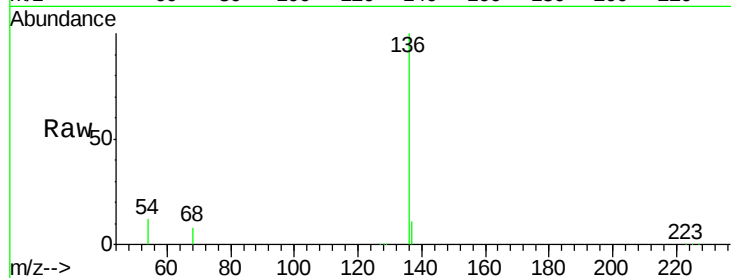




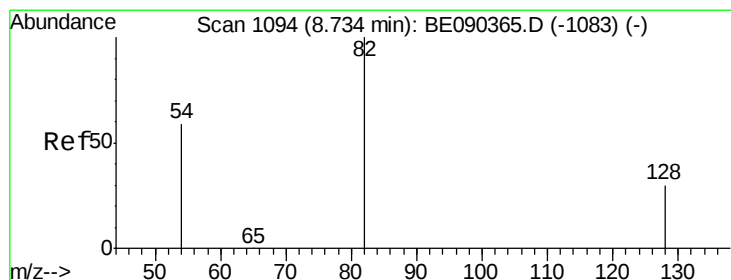
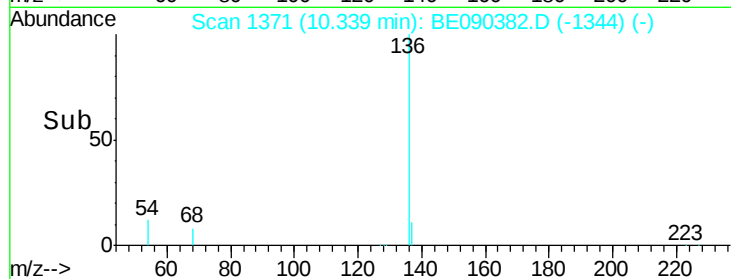
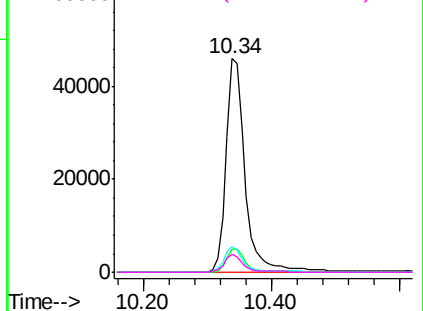
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BE090382.D
Acq: 6 Aug 2015 9:07

Instrument :
BNA_E
ClientSampleId :
080415-D506-E-D-S

Tgt Ion:	136	Resp:	95167
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	11.9	9.4	14.0
68	8.5	6.5	9.7

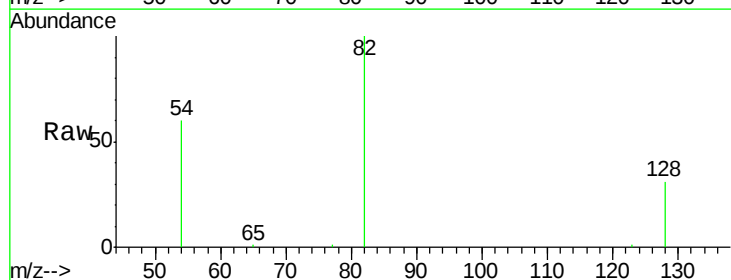


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

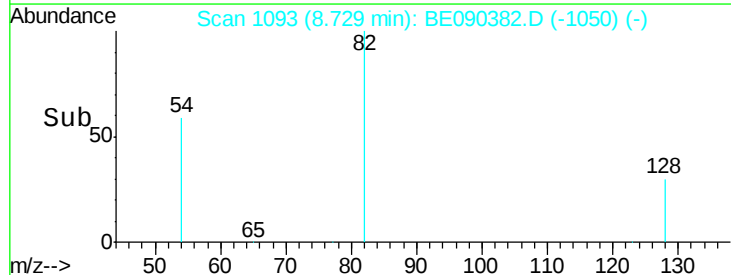
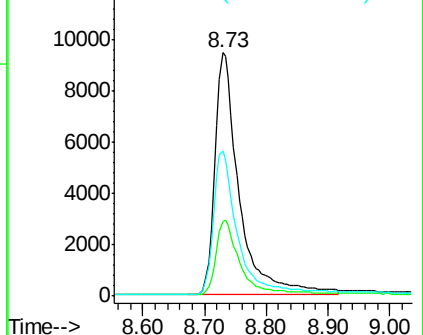


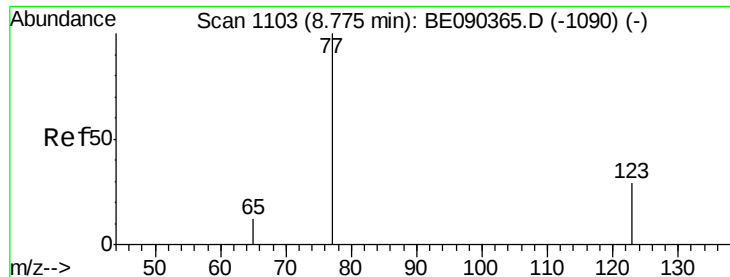
#7
Nitrobenzene-d5
Concen: 3.39 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090382.D
Acq: 6 Aug 2015 9:07

Tgt Ion:	82	Resp:	25736
Ion	Ratio	Lower	Upper
82	100		
128	30.5	25.0	37.6
54	59.7	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: 8.80 min Scan# 1108

Delta R.T. 0.02 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-D-S

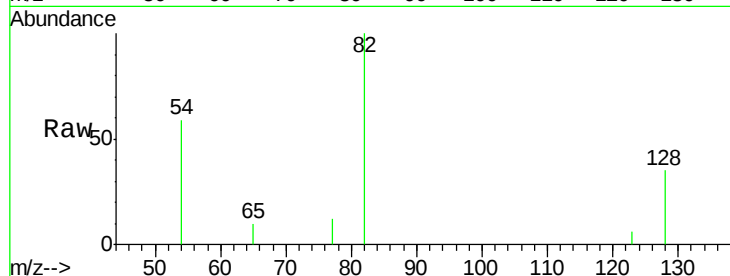
Tgt Ion: 77 Resp: 18

Ion Ratio Lower Upper

77 100

123 11.1 25.1 37.7#

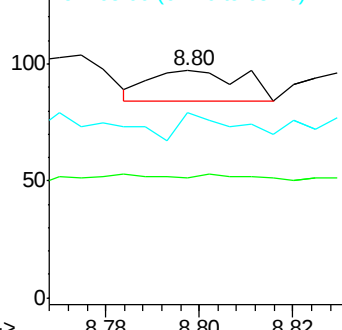
65 55.6 9.3 13.9#



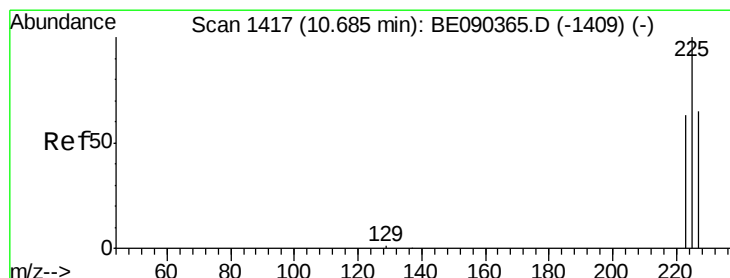
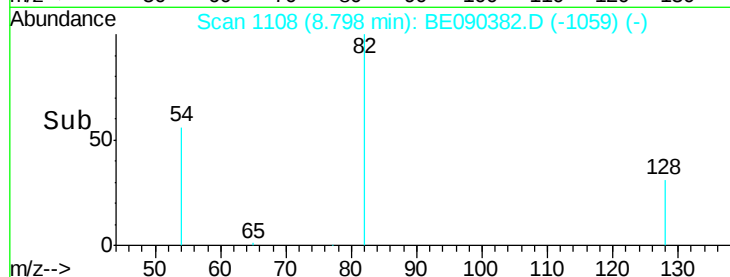
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



Time-->



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.69 min Scan# 1418

Delta R.T. 0.01 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

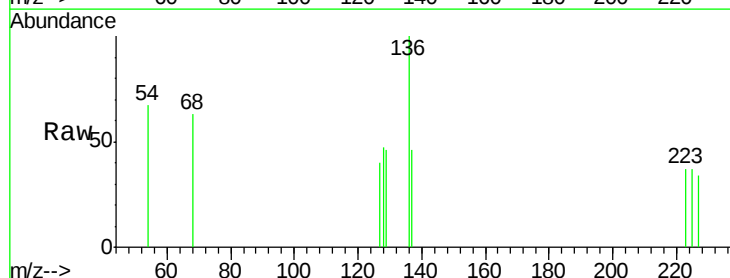
Tgt Ion: 225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

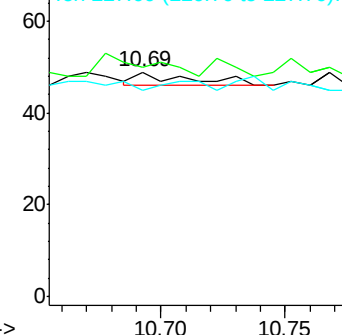
227 0.0 50.7 76.1#



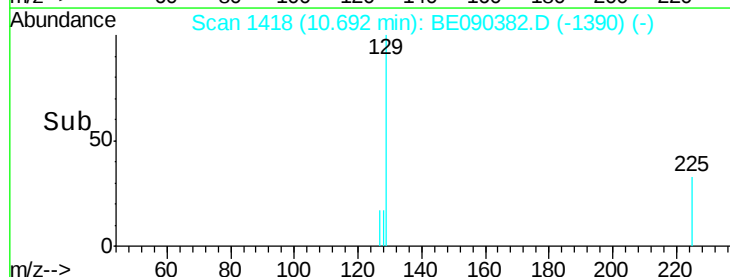
Abundance Ion 225.00 (224.70 to 225.70): E

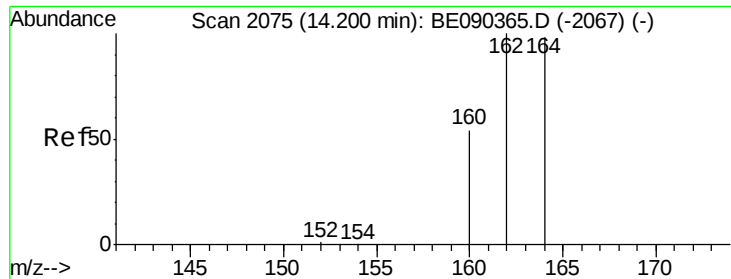
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090382.D

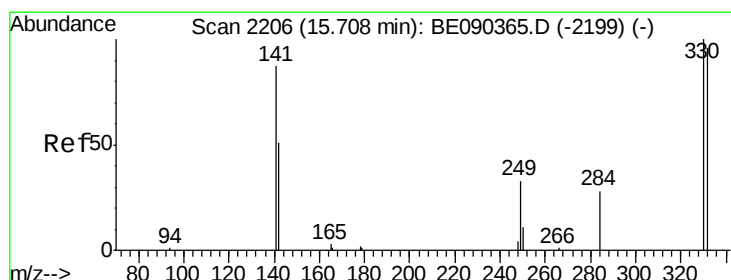
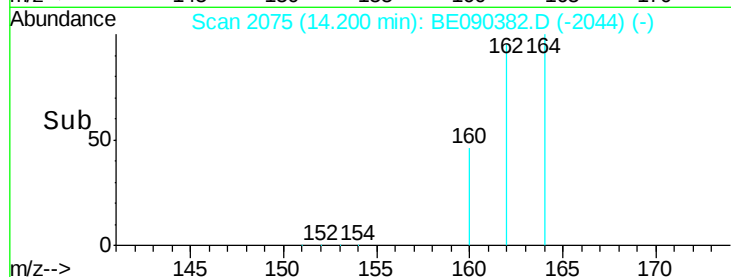
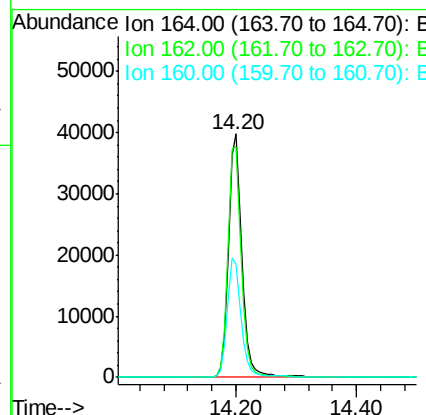
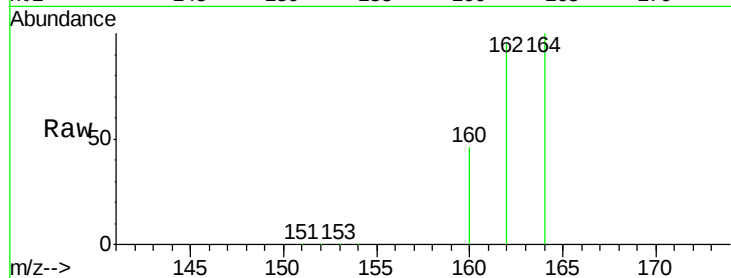
Acq: 6 Aug 2015 9:07

Instrument :
BNA_E

ClientSampleId :
080415-D506-E-D-S

Tgt Ion:164 Resp: 62158

Ion	Ratio	Lower	Upper
164	100		
162	94.9	81.8	122.8
160	46.3	44.2	66.4



#13

2,4,6-Tribromophenol

Concen: 6.52 ng

RT: 15.71 min Scan# 2206

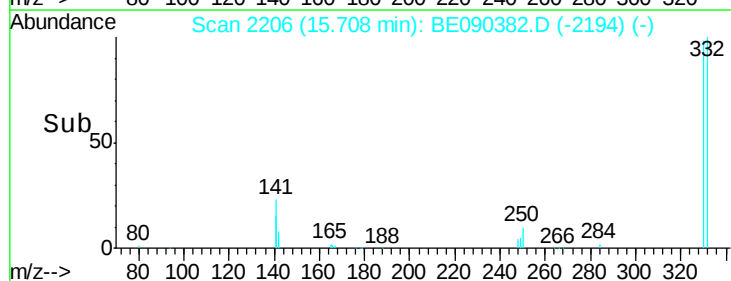
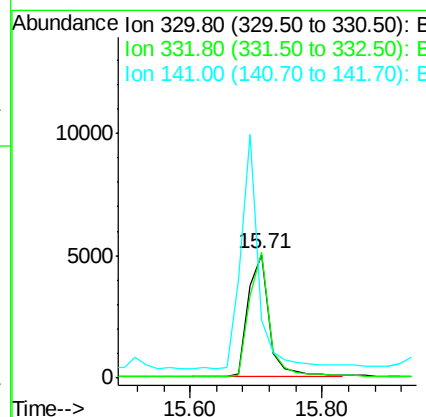
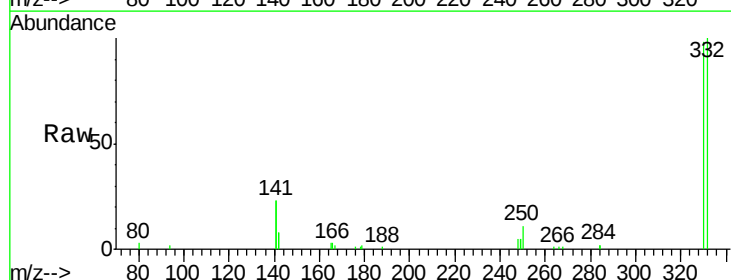
Delta R.T. 0.00 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

Tgt Ion:330 Resp: 11281

Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.8	113.6
141	158.2	114.4	171.6

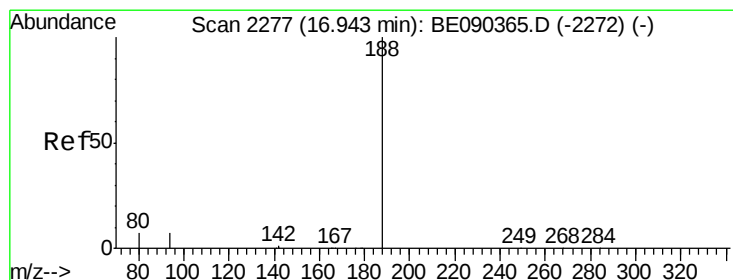
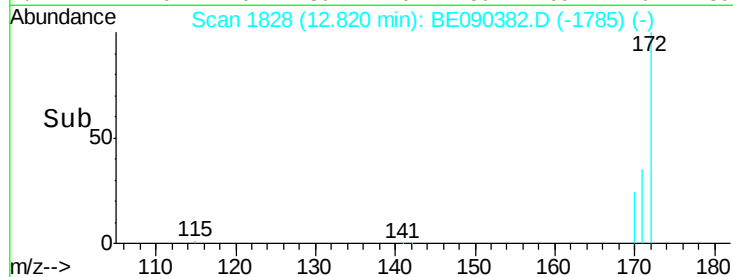
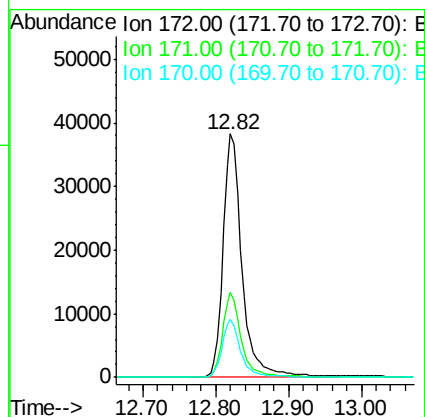
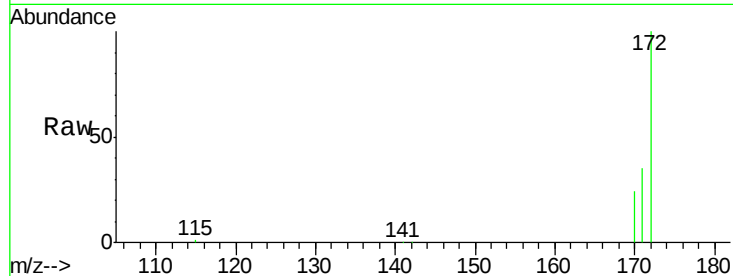




#14
2-Fluorobiphenyl
Concen: 4.02 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090382.D
Acq: 6 Aug 2015 9:07

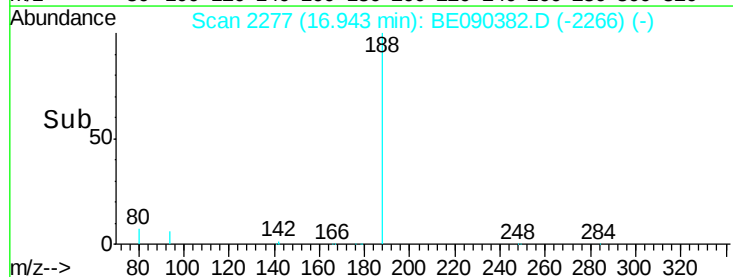
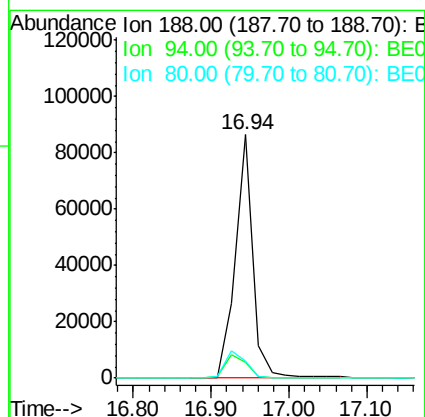
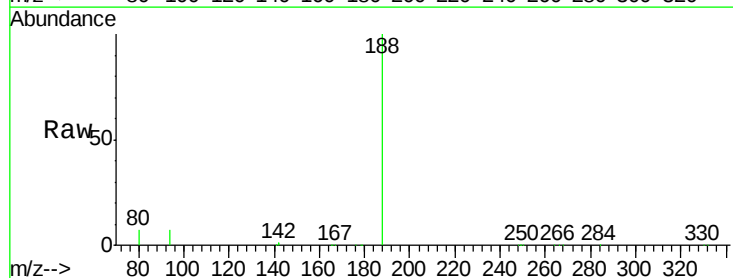
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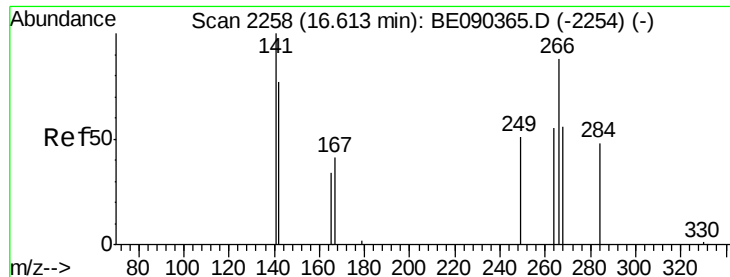
Tgt Ion:172 Resp: 68652
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.8 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090382.D
Acq: 6 Aug 2015 9:07

Tgt Ion:188 Resp: 135760
Ion Ratio Lower Upper
188 100
94 6.6 5.7 8.5
80 6.7 5.8 8.8





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-D-S

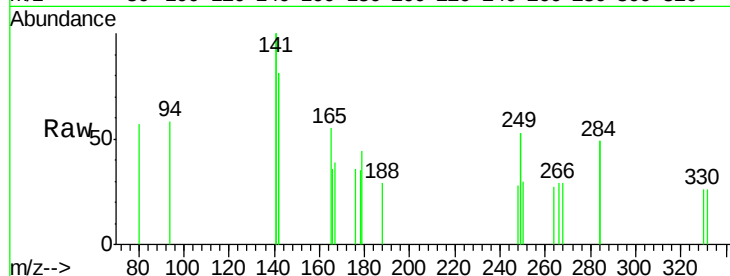
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

268 98.2 58.5 87.7#

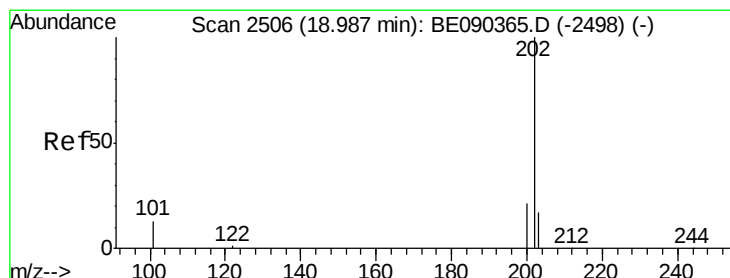
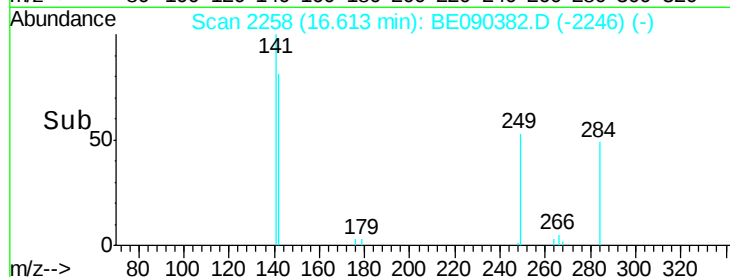
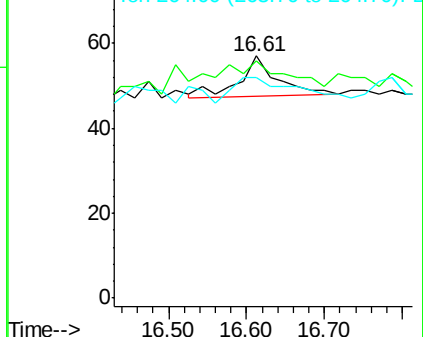
264 91.2 56.0 84.0#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#24

Fluoranthene

Concen: 0.03 ng

RT: 18.99 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

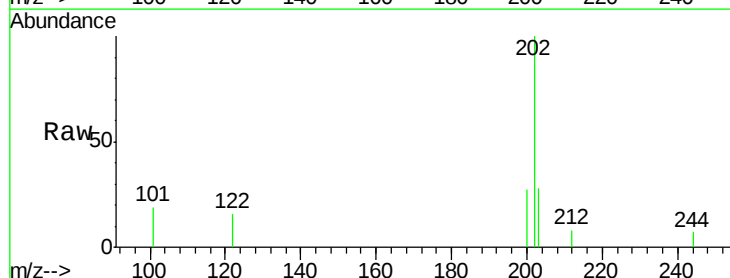
Tgt Ion:202 Resp: 1014

Ion Ratio Lower Upper

202 100

101 14.4 10.3 15.5

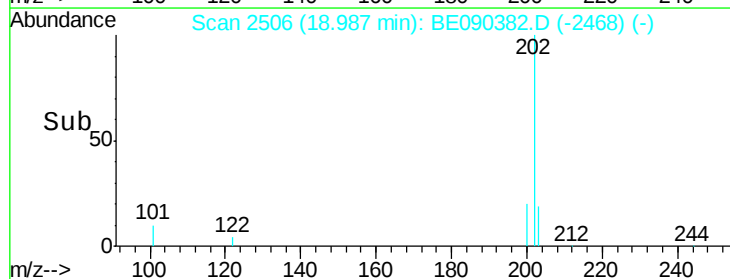
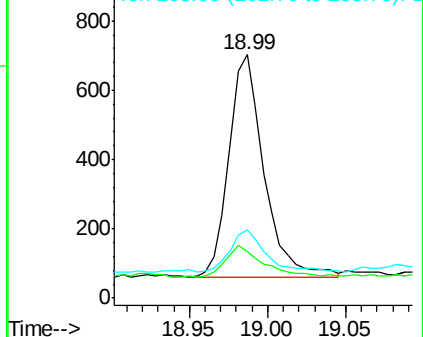
203 18.8 13.7 20.5

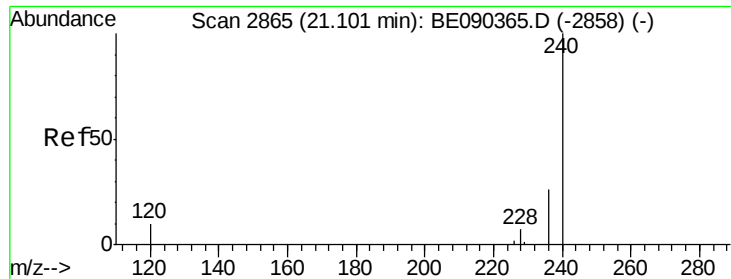


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

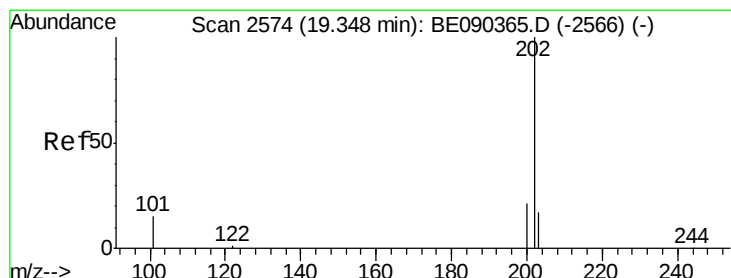
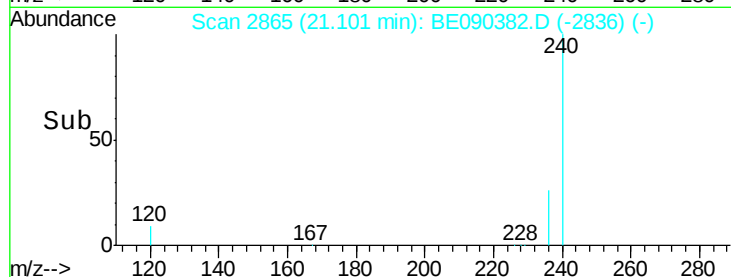
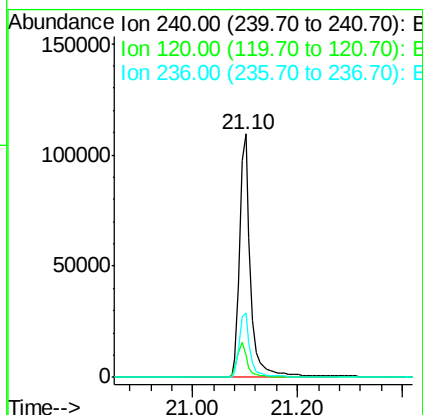
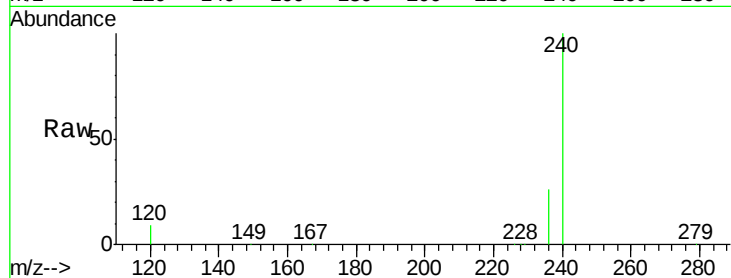




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 2865
Delta R.T. -0.00 min
Lab File: BE090382.D
Acq: 6 Aug 2015 9:07

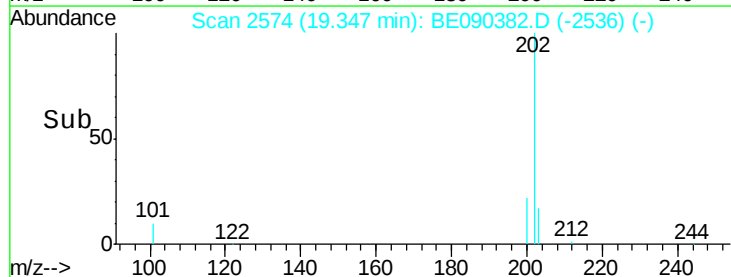
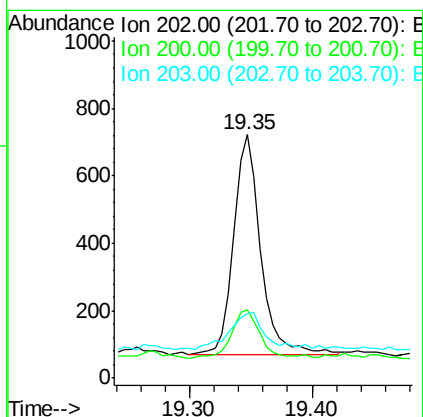
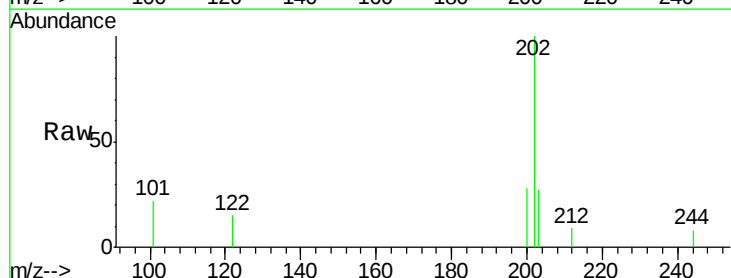
Instrument :
BNA_E
ClientSampleId :
080415-D506-E-D-S

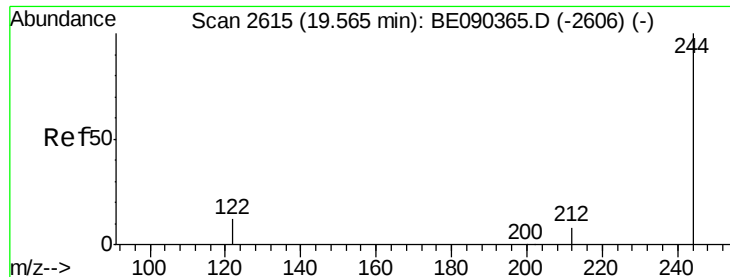
Tgt Ion:240 Resp: 160578
Ion Ratio Lower Upper
240 100
120 9.3 8.3 12.5
236 26.2 21.0 31.4



#26
Pyrene
Concen: 0.03 ng
RT: 19.35 min Scan# 2574
Delta R.T. -0.00 min
Lab File: BE090382.D
Acq: 6 Aug 2015 9:07

Tgt Ion:202 Resp: 1005
Ion Ratio Lower Upper
202 100
200 23.0 16.7 25.1
203 21.9 13.8 20.8#

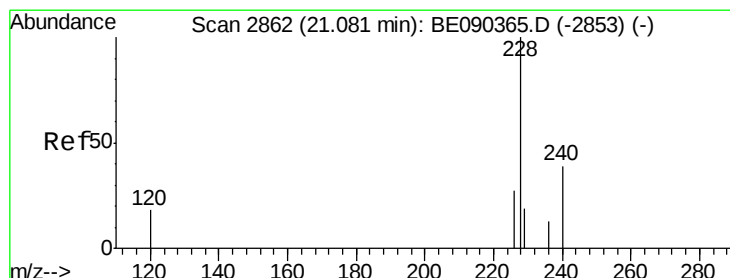
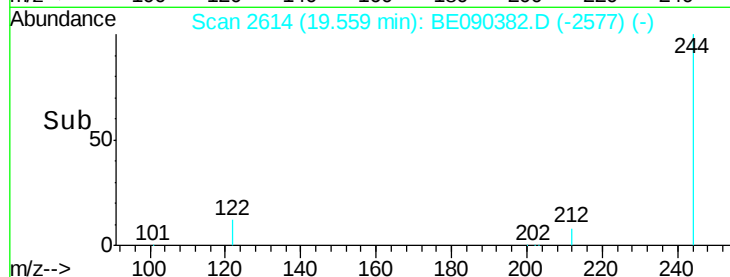
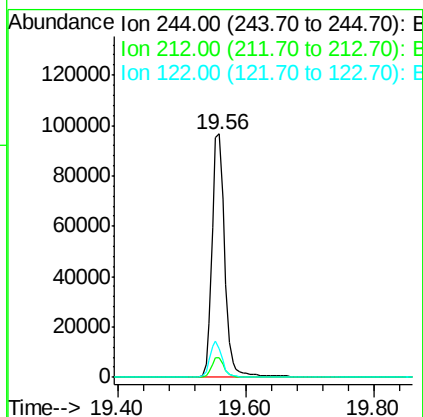
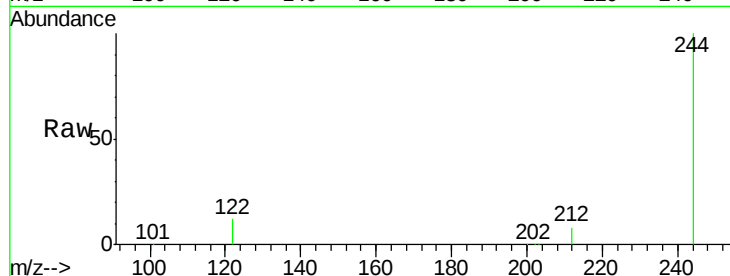




#27
 Terphenyl-d14
 Concen: 5.73 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090382.D
 Acq: 6 Aug 2015 9:07

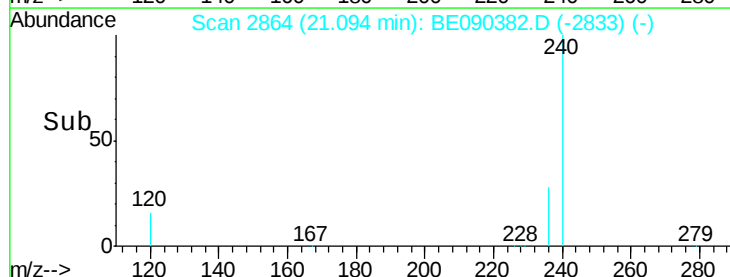
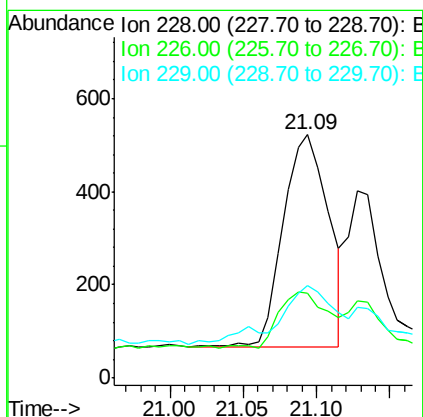
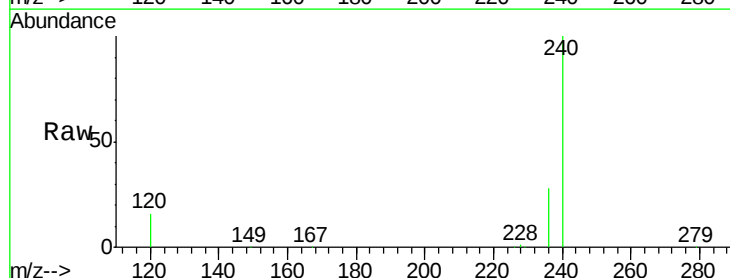
Instrument :
 BNA_E
 ClientSampleId :
 080415-D506-E-D-S

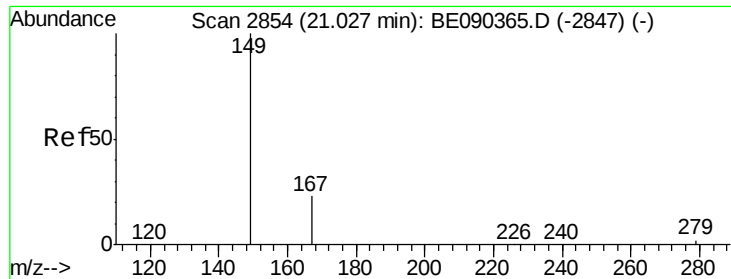
Tgt Ion:244 Resp: 135499
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 12.0 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.09 min Scan# 2864
 Delta R.T. 0.01 min
 Lab File: BE090382.D
 Acq: 6 Aug 2015 9:07

Tgt Ion:228 Resp: 984
 Ion Ratio Lower Upper
 228 100
 226 35.0 21.9 32.9#
 229 38.0 15.4 23.0#

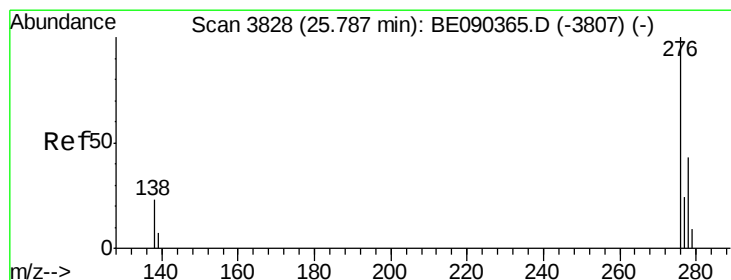
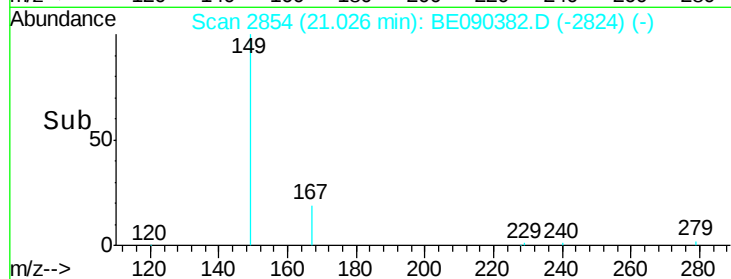
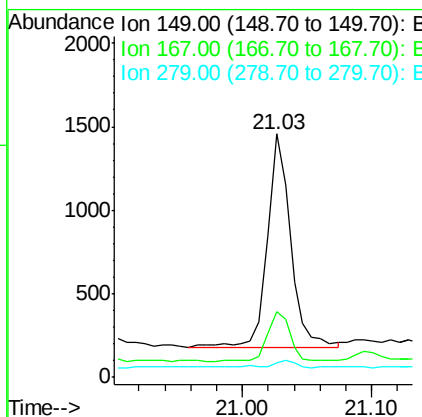
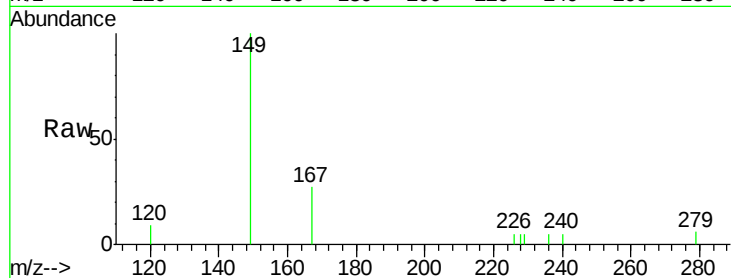




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.29 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BE090382.D
 Acq: 6 Aug 2015 9:07

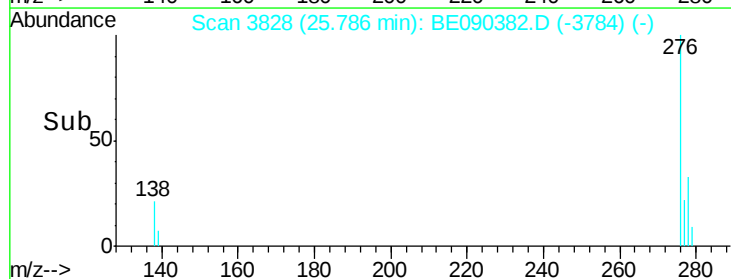
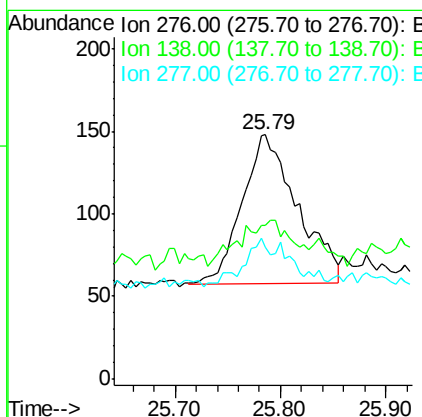
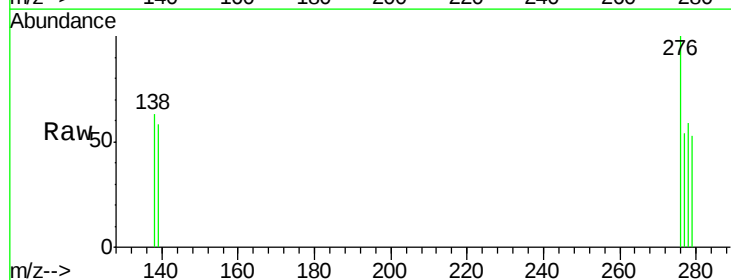
Instrument :
 BNA_E
 ClientSampleId :
 080415-D506-E-D-S

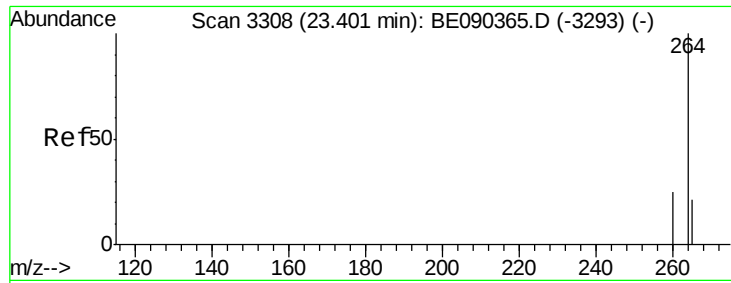
Tgt Ion: 149 Resp: 1570
 Ion Ratio Lower Upper
 149 100
 167 22.9 19.8 29.8
 279 3.8 2.4 3.6#



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.79 min Scan# 3828
 Delta R.T. -0.00 min
 Lab File: BE090382.D
 Acq: 6 Aug 2015 9:07

Tgt Ion: 276 Resp: 330
 Ion Ratio Lower Upper
 276 100
 138 29.4 18.8 28.2#
 277 12.7 18.2 27.4#

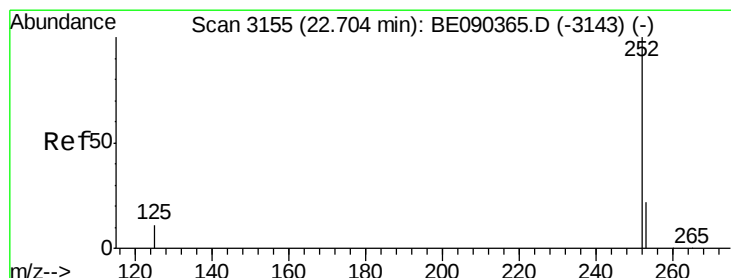
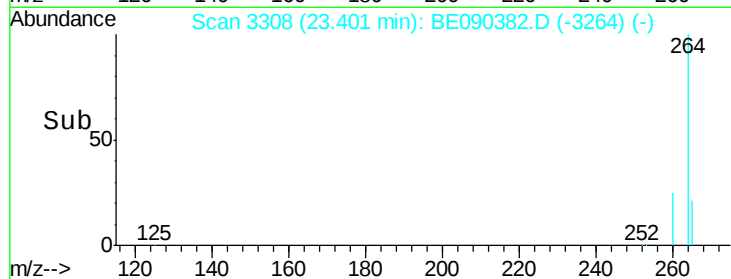
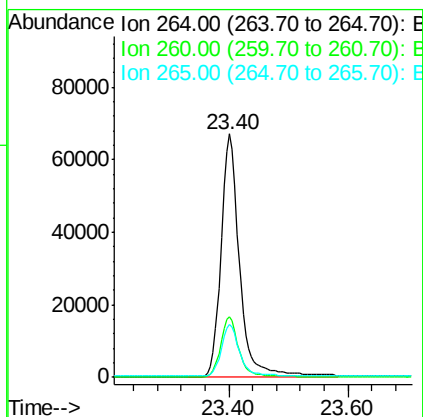
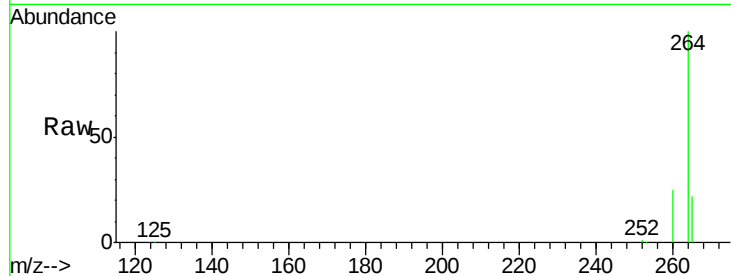




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090382.D
Acq: 6 Aug 2015 9:07

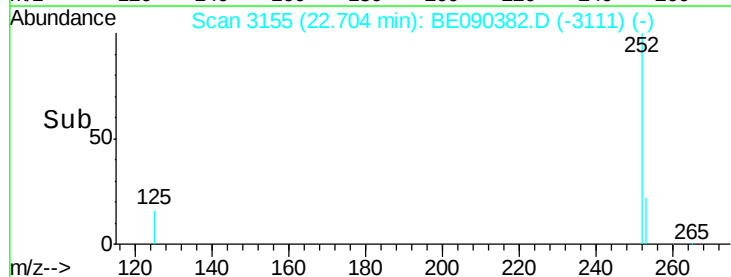
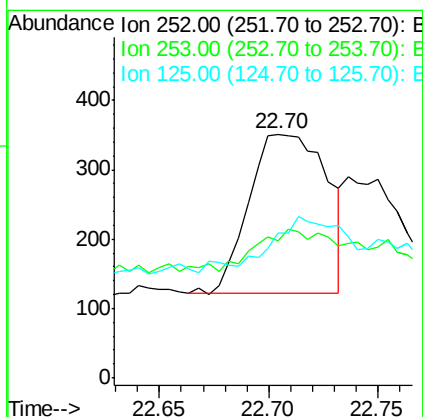
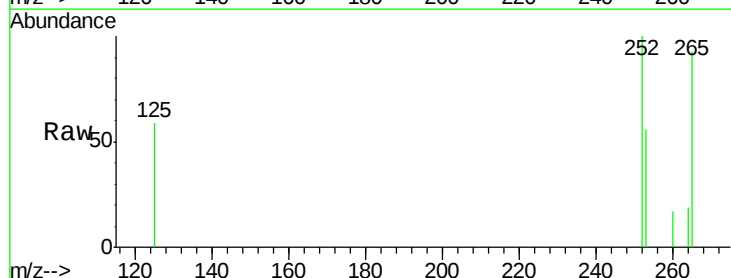
Instrument :
BNA_E
ClientSampleId :
080415-D506-E-D-S

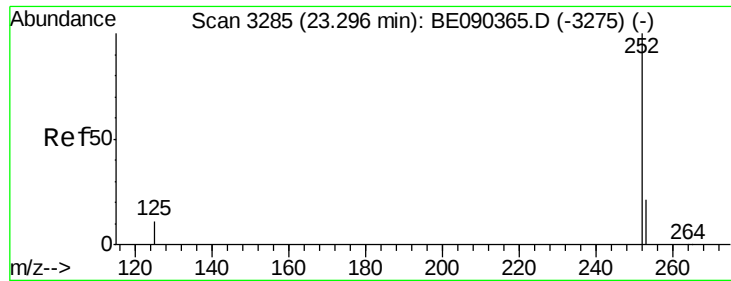
Tgt Ion: 264 Resp: 147004
Ion Ratio Lower Upper
264 100
260 24.7 20.1 30.1
265 21.8 17.2 25.8



#33
Benzo(b)fluoranthene
Concen: 0.21 ng
RT: 22.70 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE090382.D
Acq: 6 Aug 2015 9:07

Tgt Ion: 252 Resp: 569
Ion Ratio Lower Upper
252 100
253 56.1 18.1 27.1#
125 59.3 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.30 min Scan# 3286

Delta R.T. 0.00 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-D-S

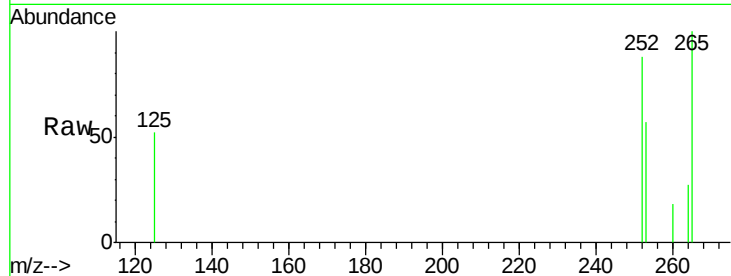
Tgt Ion: 252 Resp: 393

Ion Ratio Lower Upper

252 100

253 64.8 17.6 26.4#

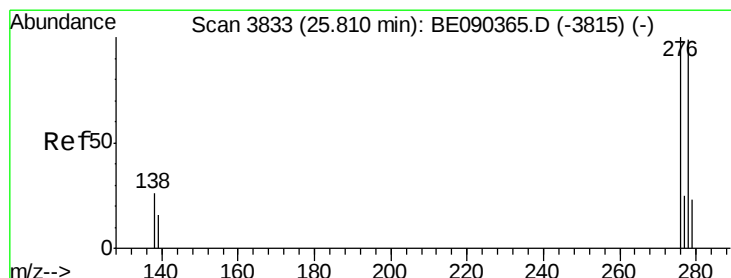
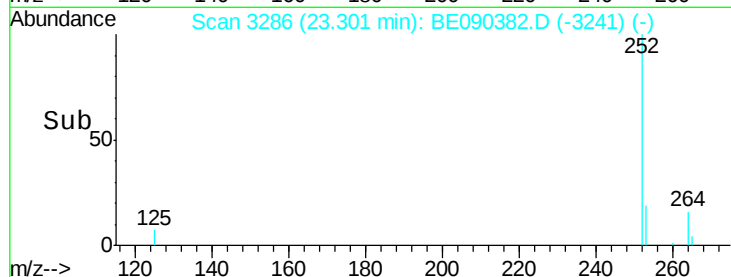
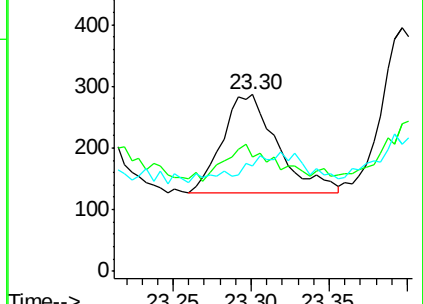
125 59.2 9.8 14.6#



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# 3831

Delta R.T. -0.01 min

Lab File: BE090382.D

Acq: 6 Aug 2015 9:07

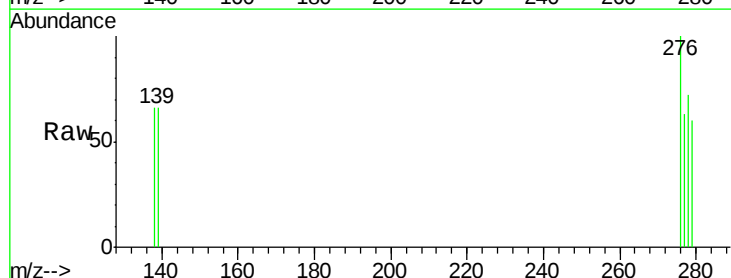
Tgt Ion: 278 Resp: 133

Ion Ratio Lower Upper

278 100

139 92.6 14.2 21.4#

279 83.0 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

