

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090466.D
 Acq On : 12 Aug 2015 14:18
 Operator : UM/IZ
 Sample : G3236-15
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 01:19:38 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	20537	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	94653	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	54285	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	129088	5.00	ng	0.00
25) Chrysene-d12	21.09	240	147807	5.00	ng	0.00
32) Perylene-d12	23.39	264	132746	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	11979	3.89	ng	0.00
5) Phenol-d6	6.77	99	13130	2.15	ng	0.00
7) Nitrobenzene-d5	8.73	82	24847	3.30	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	11163	7.10	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	58736	3.93	ng	0.00
27) Terphenyl-d14	19.56	244	112221	5.15	ng	0.00

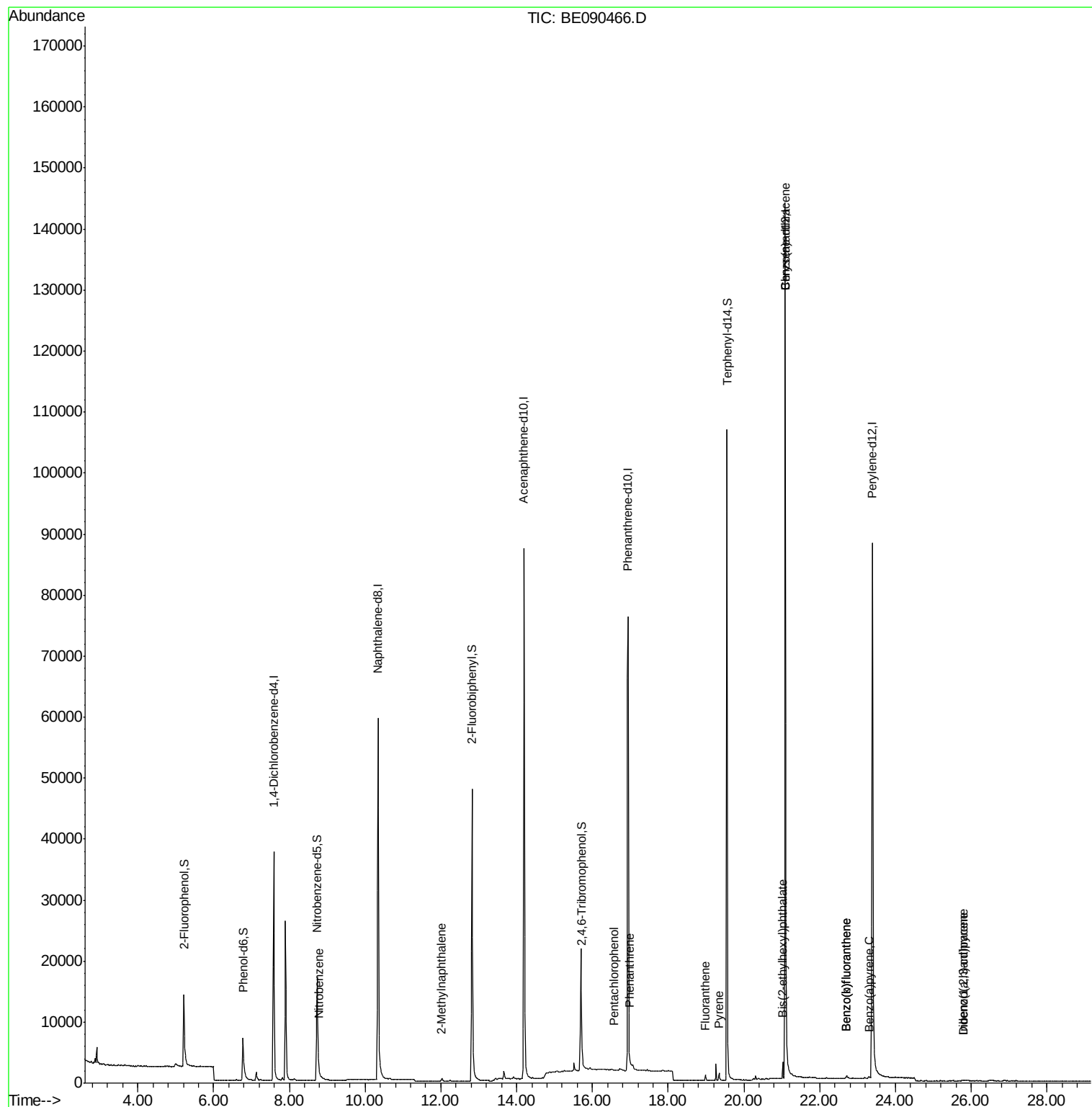
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.15	88	49	Below Cal	#	26
8) Nitrobenzene	8.78	77	7	0.21 ng	#	1
10) Hexachlorobutadiene	10.70	225	4	Below Cal	#	35
11) 2-Methylnaphthalene	12.03	142	443	0.04 ng	#	91
21) Pentachlorophenol	16.58	266	7	0.10 ng	#	68
22) Phenanthrene	16.98	178	745	0.02 ng	#	74
24) Fluoranthene	18.98	202	1085	0.03 ng	#	95
26) Pyrene	19.34	202	1265	0.04 ng	#	94
28) Benzo(a)anthracene	21.09	228	945	0.03 ng	#	70
30) Bis(2-ethylhexyl)phthalate	21.03	149	2371	0.41 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	297	0.26 ng	#	79
33) Benzo(b)fluoranthene	22.71	252	787	0.22 ng	#	1
34) Benzo(k)fluoranthene	22.71	252	787	0.02 ng	#	1
35) Benzo(a)pyrene	23.29	252	350	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.79	278	128	0.29 ng	#	1

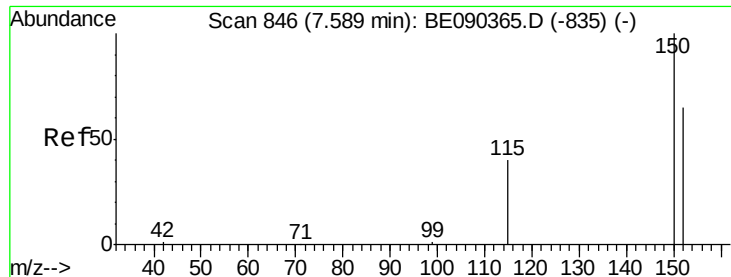
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Instrument :

BNA_E

ClientSampleId :

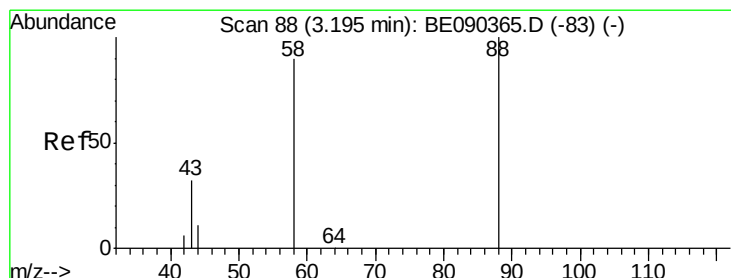
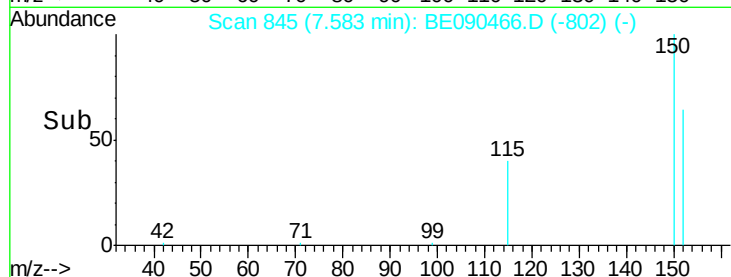
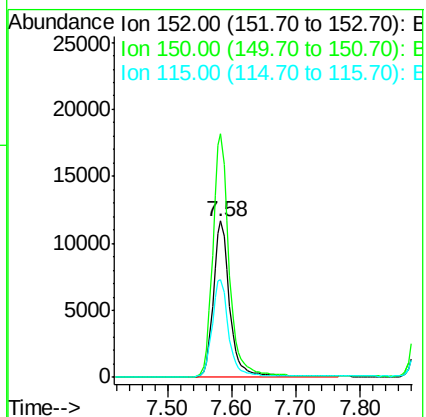
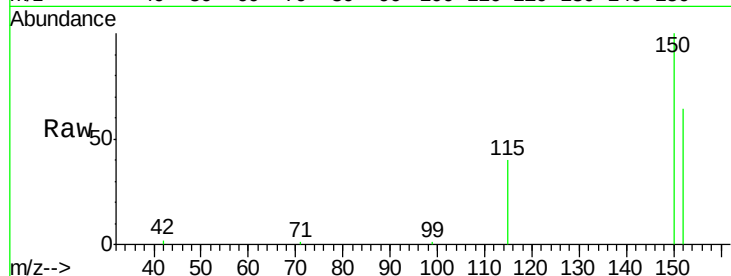
Tot Ion:152 Resp: 20537

Ion Ratio Lower Upper

152 100

150 155.9 123.0 184.4

115 62.9 48.9 73.3



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.15 min Scan# 82

Delta R.T. -0.04 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

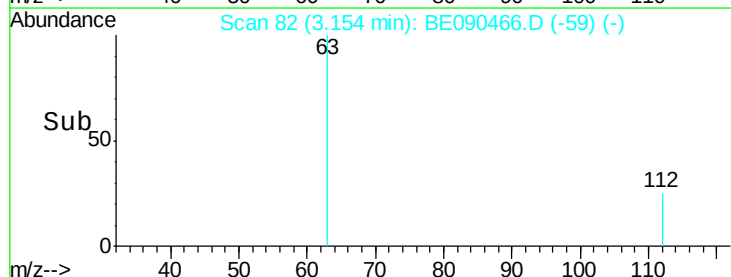
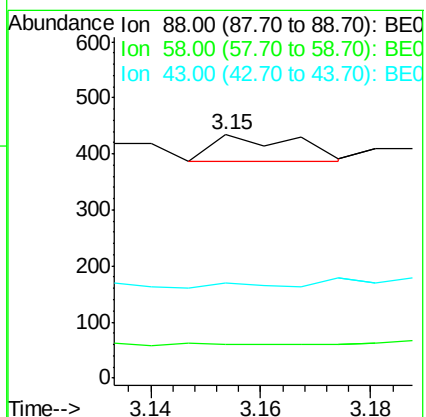
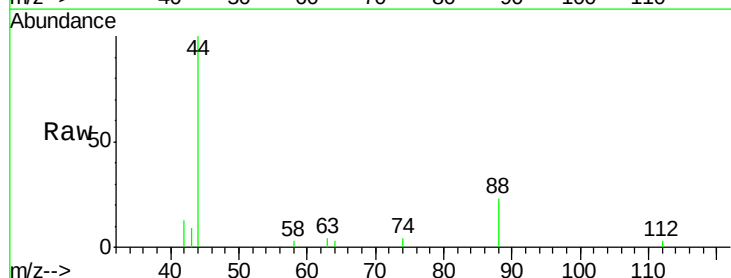
Tgt Ion: 88 Resp: 49

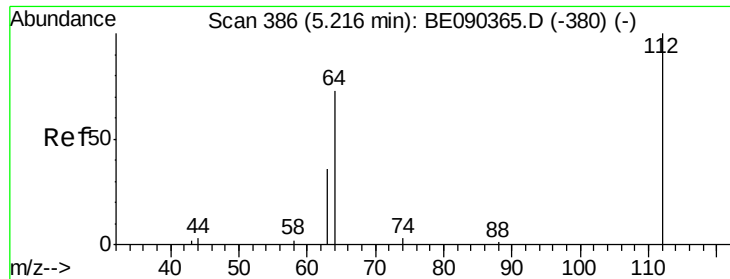
Ion Ratio Lower Upper

88 100

58 14.3 70.0 105.0#

43 0.0 28.4 42.6#





#4

2-Fluorophenol

Concen: 3.89 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Instrument :

BNA_E

ClientSampled :

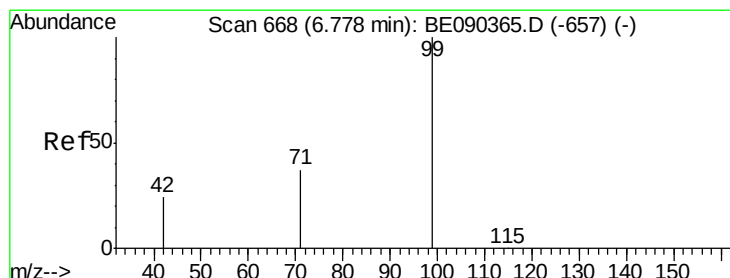
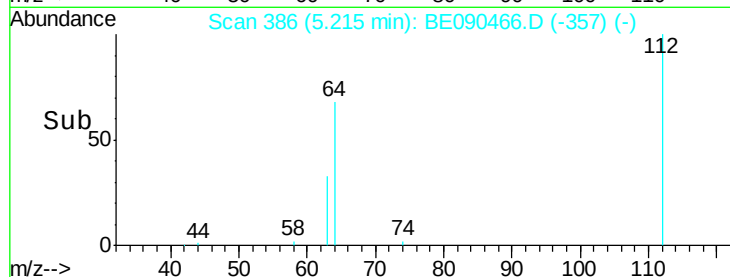
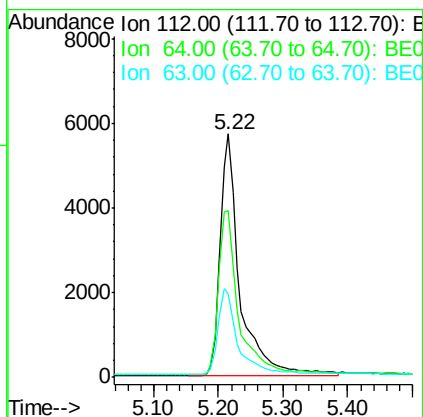
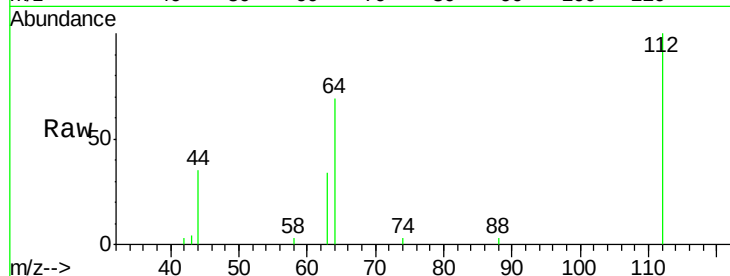
Tot Ion:112 Resp: 11979

Ion Ratio Lower Upper

112 100

64 71.0 37.1 55.7#

63 36.9 19.5 29.3#



#5

Phenol-d6

Concen: 2.15 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

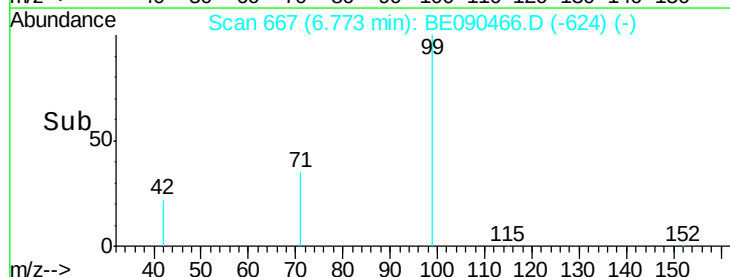
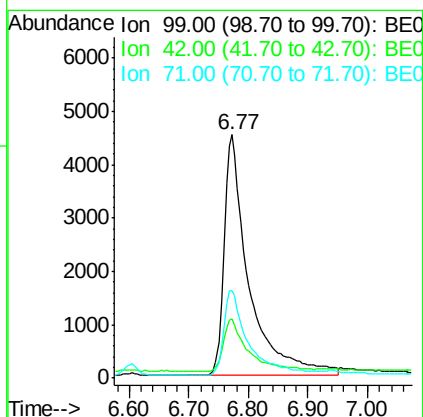
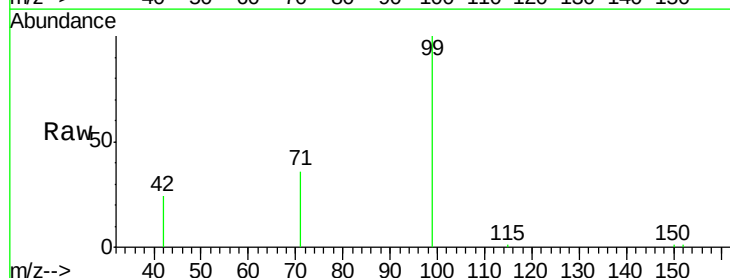
Tgt Ion: 99 Resp: 13130

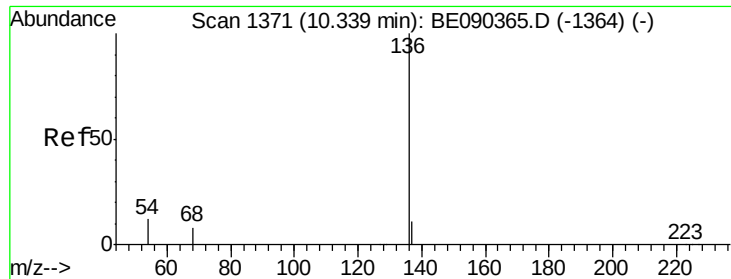
Ion Ratio Lower Upper

99 100

42 21.8 18.2 27.4

71 35.6 27.4 41.0

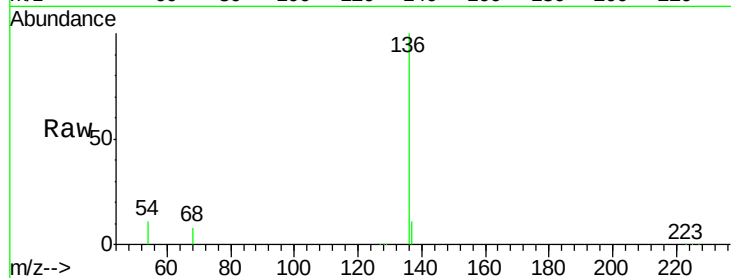




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090466.D
Acq: 12 Aug 2015 14:18

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.9	9.4	14.0
68	7.7	6.5	9.7

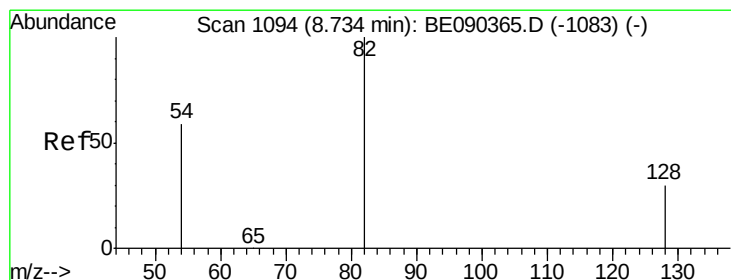
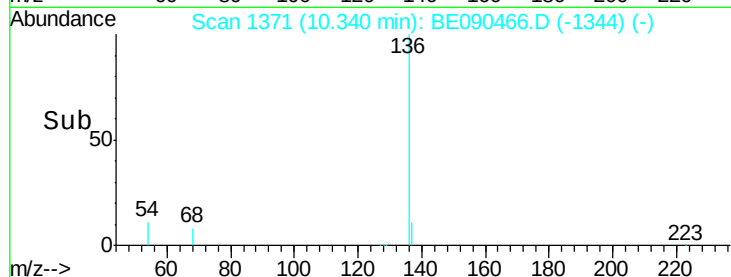
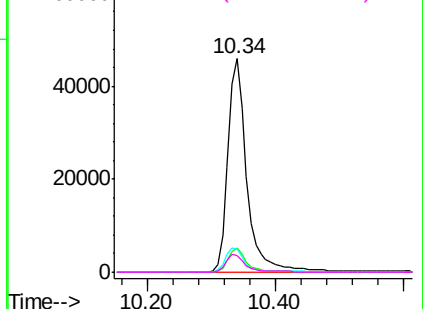


Abundance Ion 136.00 (135.70 to 136.70): BE090365.D (-1364) (-)

Ion 137.00 (136.70 to 137.70): BE090365.D (-1364) (-)

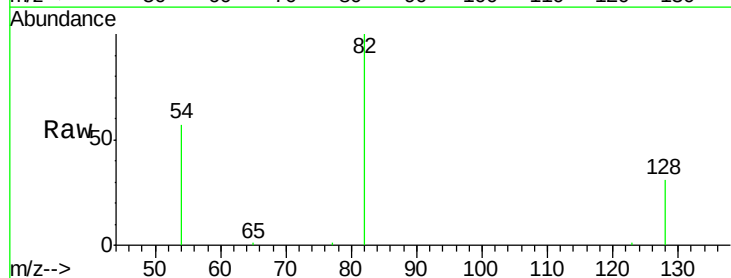
Ion 54.00 (53.70 to 54.70): BE090365.D (-1364) (-)

Ion 68.00 (67.70 to 68.70): BE090365.D (-1364) (-)



#7
Nitrobenzene-d5
Concen: 3.30 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090466.D
Acq: 12 Aug 2015 14:18

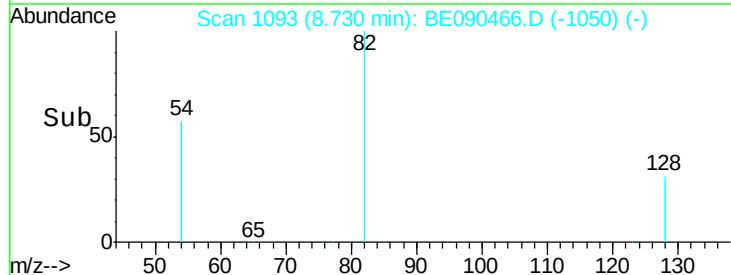
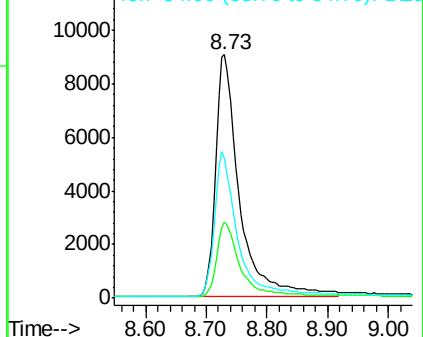
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.2	25.0	37.6
54	57.5	48.8	73.2

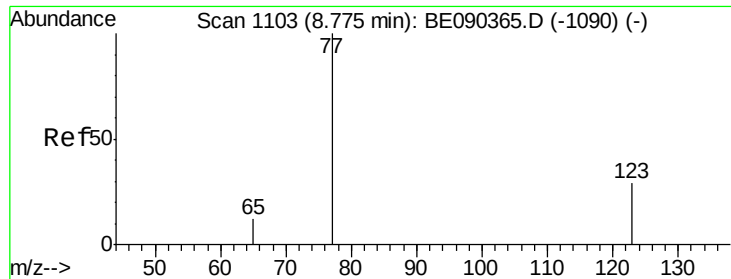


Abundance Ion 82.00 (81.70 to 82.70): BE090365.D (-1083) (-)

Ion 128.00 (127.70 to 128.70): BE090365.D (-1083) (-)

Ion 54.00 (53.70 to 54.70): BE090365.D (-1083) (-)

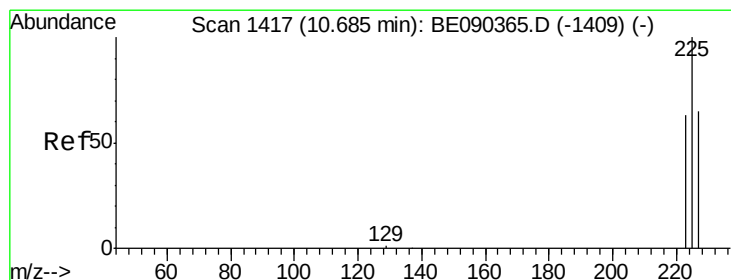
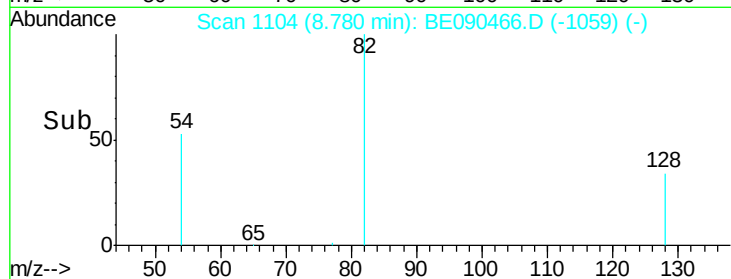
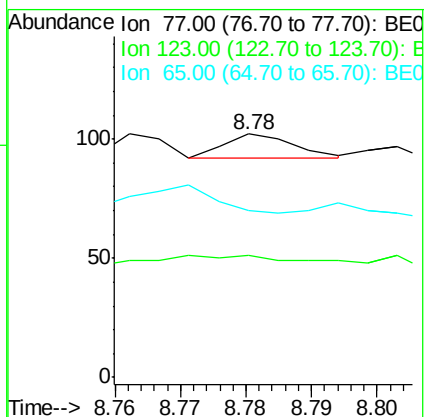
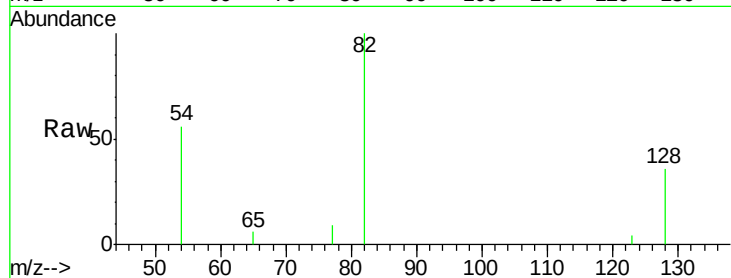




#8
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.78 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: BE090466.D
 Acq: 12 Aug 2015 14:18

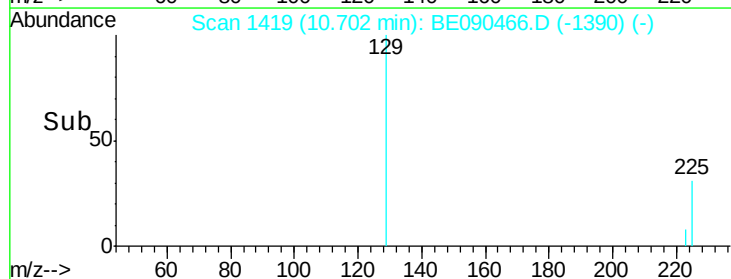
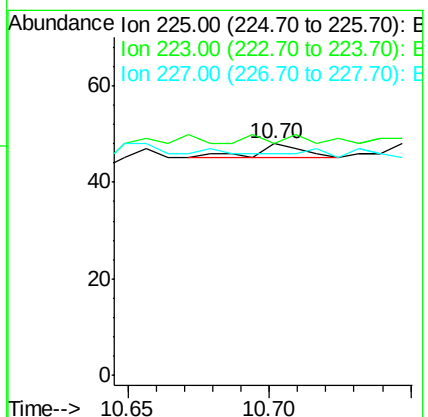
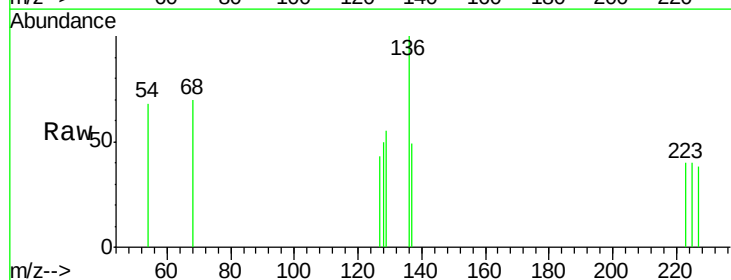
Instrument :
 BNA_E
 ClientSampleId :

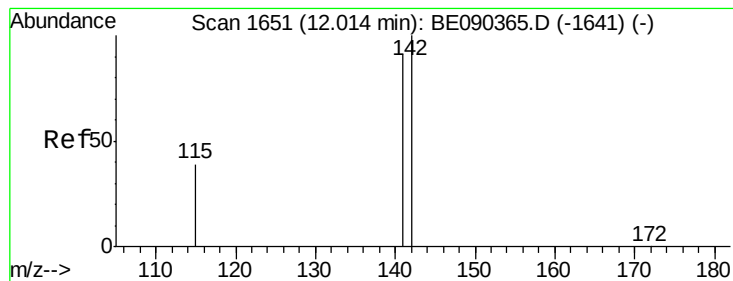
Tot Ion: 77 Resp: 7
 Ion Ratio Lower Upper
 77 100
 123 14.3 25.1 37.7#
 65 142.9 9.3 13.9#



#10
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 10.70 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: BE090466.D
 Acq: 12 Aug 2015 14:18

Tgt Ion: 225 Resp: 4
 Ion Ratio Lower Upper
 225 100
 223 25.0 50.6 75.8#
 227 0.0 50.7 76.1#





#11

2-Methylnaphthalene

Concen: 0.04 ng

RT: 12.03 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Instrument :

BNA_E

ClientSampleId :

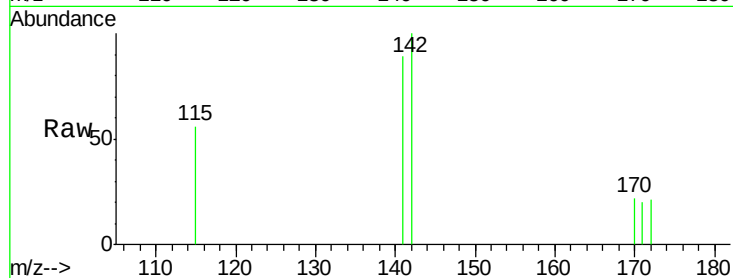
Tot Ion:142 Resp: 443

Ion Ratio Lower Upper

142 100

141 88.8 72.6 109.0

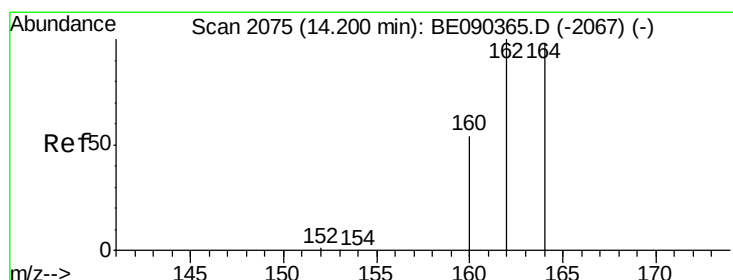
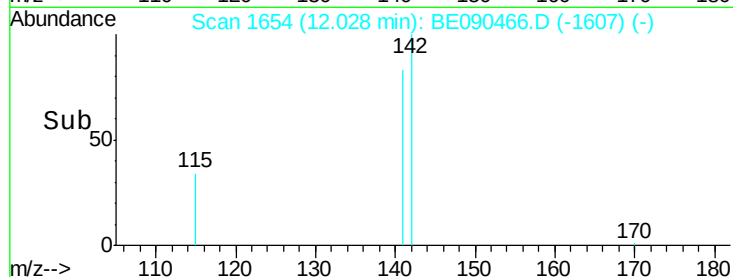
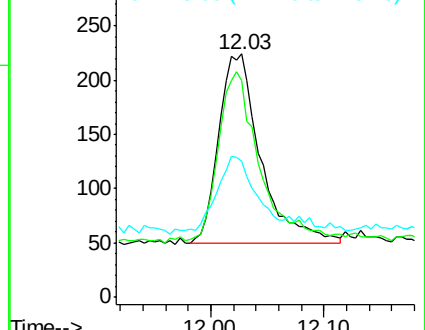
115 55.8 31.6 47.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

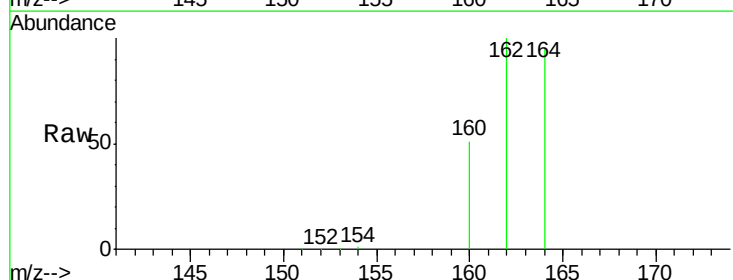
Tgt Ion:164 Resp: 54285

Ion Ratio Lower Upper

164 100

162 105.6 81.8 122.8

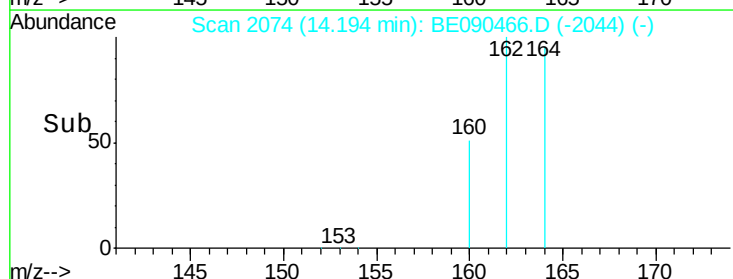
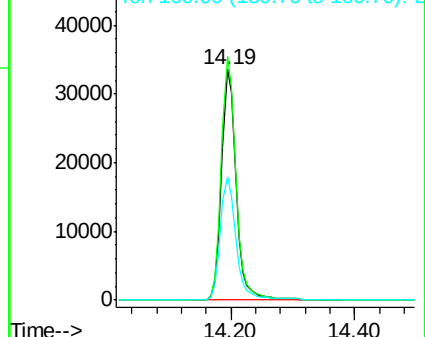
160 53.5 44.2 66.4

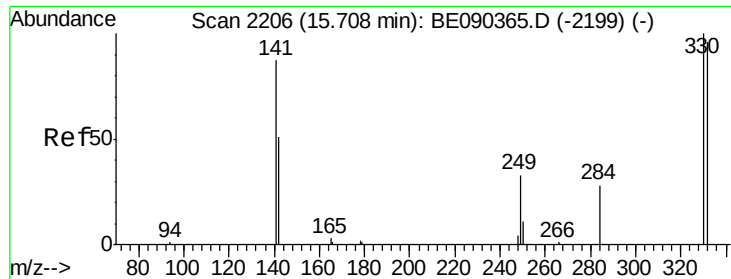


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

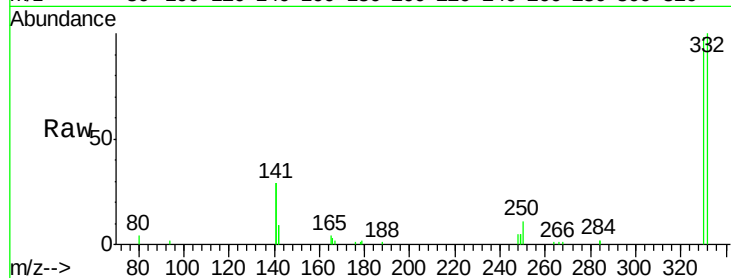




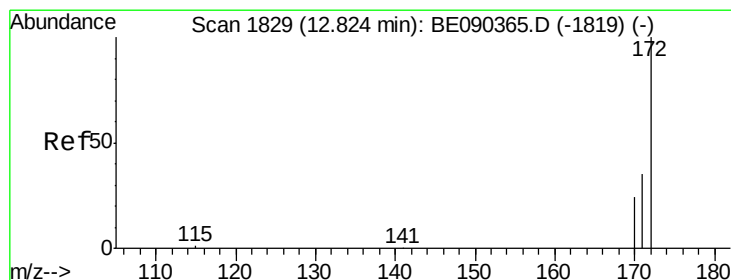
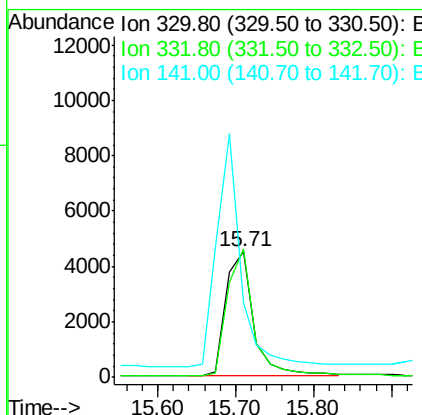
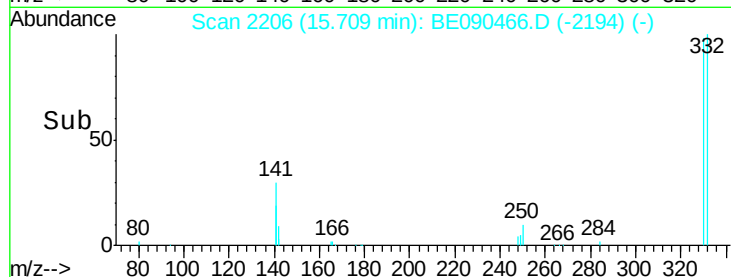
#13
 2,4,6-Tribromophenol
 Concen: 7.10 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090466.D
 Acq: 12 Aug 2015 14:18

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 11163
 Ion Ratio Lower Upper
 330 100
 332 97.7 75.8 113.6
 141 161.7 114.4 171.6

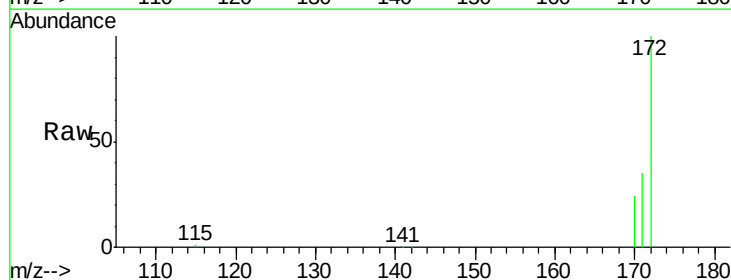


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

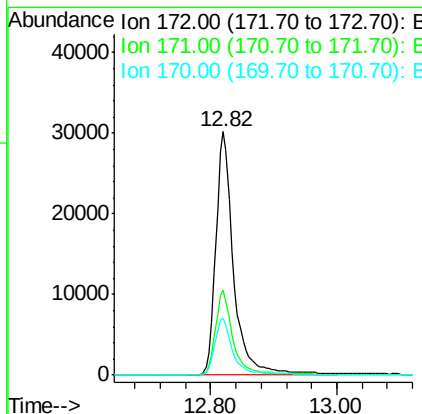
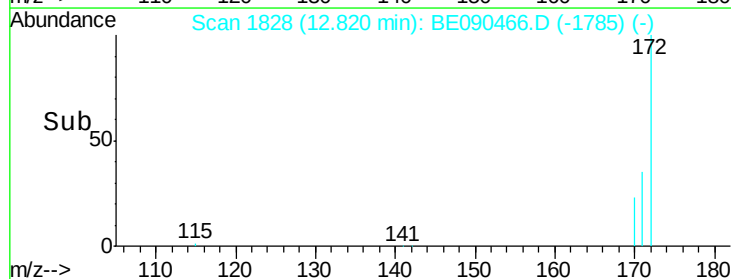


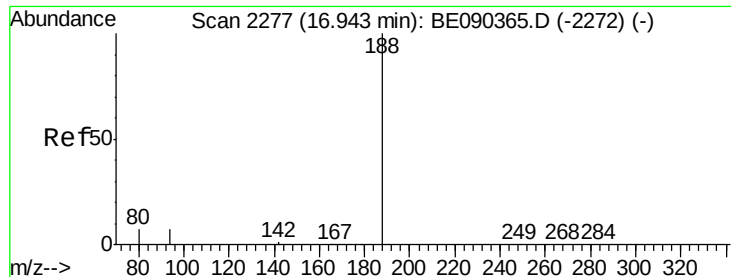
#14
 2-Fluorobiphenyl
 Concen: 3.93 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090466.D
 Acq: 12 Aug 2015 14:18

Tgt Ion:172 Resp: 58736
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.5 42.7
 170 23.5 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Instrument :

BNA_E

ClientSampleId :

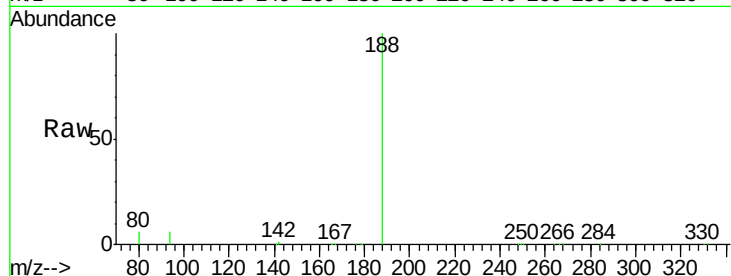
Tot Ion:188 Resp: 129088

Ion Ratio Lower Upper

188 100

94 5.6 5.7 8.5#

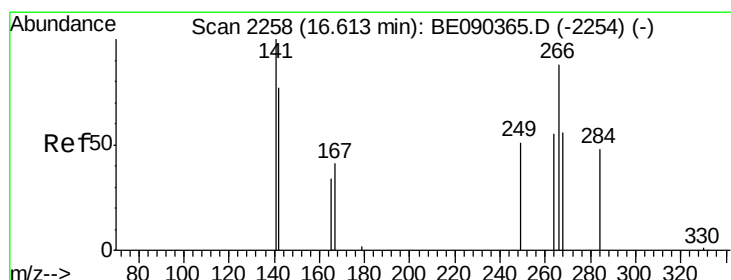
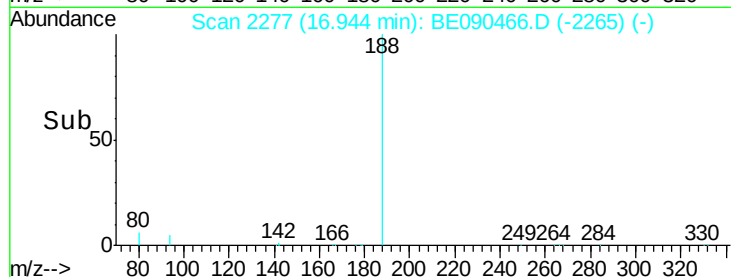
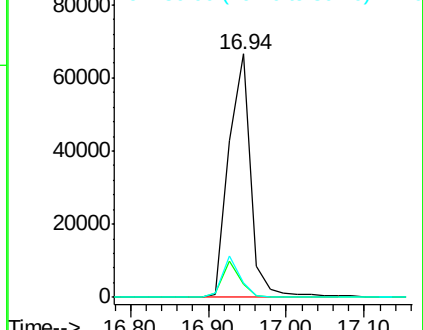
80 5.8 5.8 8.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.58 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

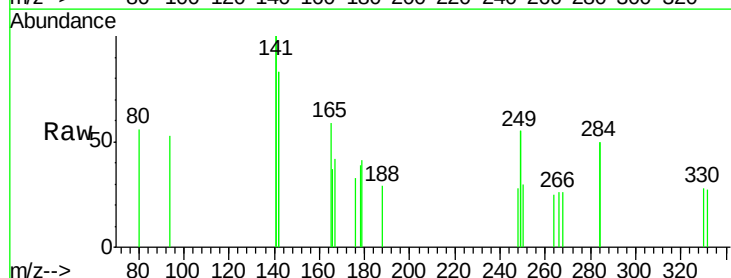
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

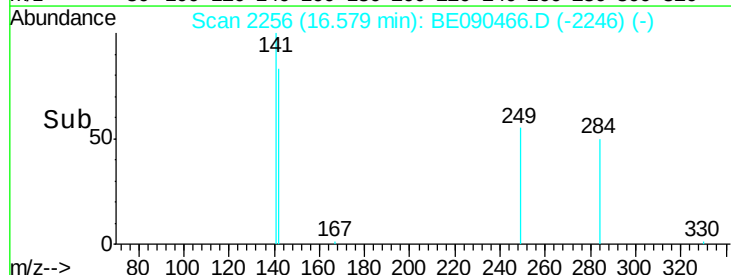
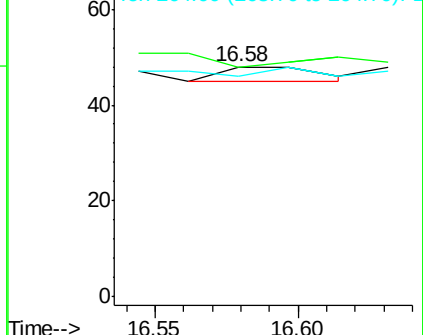
264 95.8 56.0 84.0#

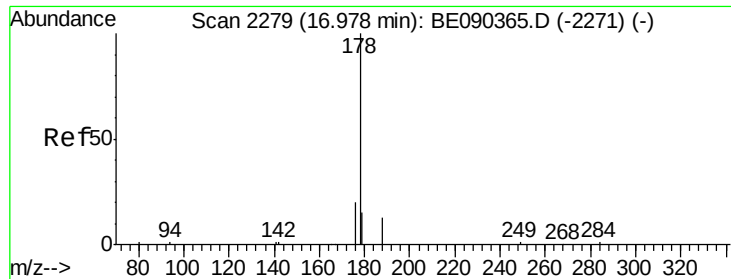


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.02 ng

RT: 16.98 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

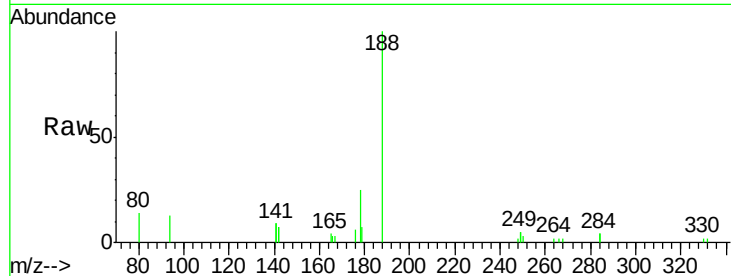
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 745

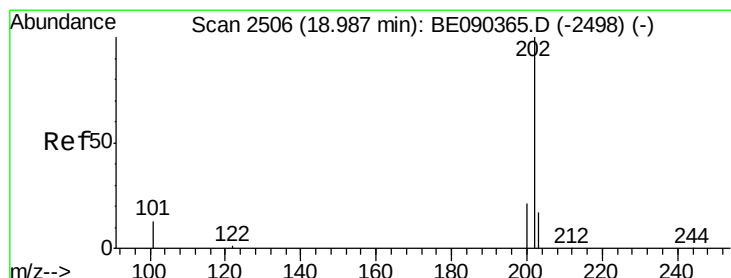
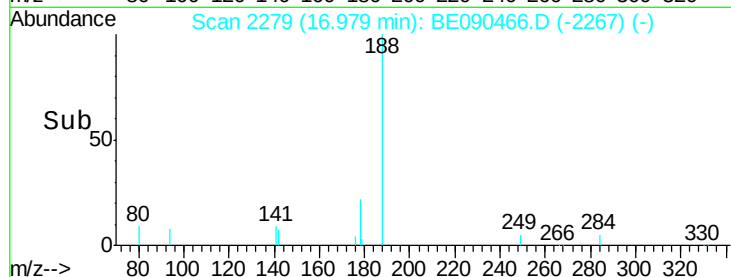
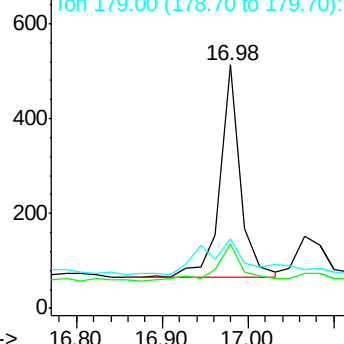
Ion	Ratio	Lower	Upper
178	100		
176	22.3	15.4	23.2
179	36.4	12.5	18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 0.03 ng

RT: 18.98 min Scan# 2505

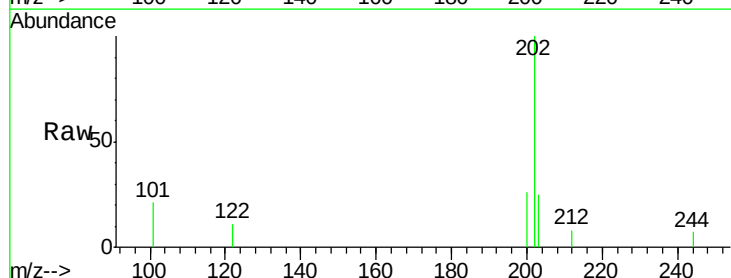
Delta R.T. -0.00 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Tgt Ion:202 Resp: 1085

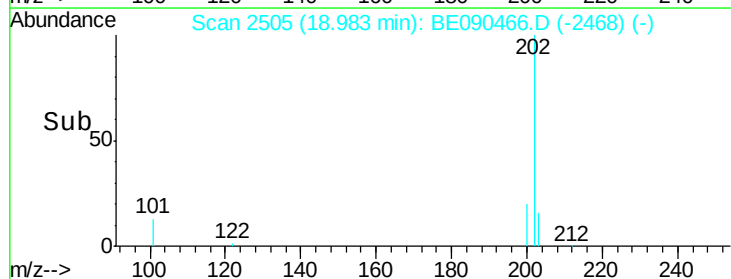
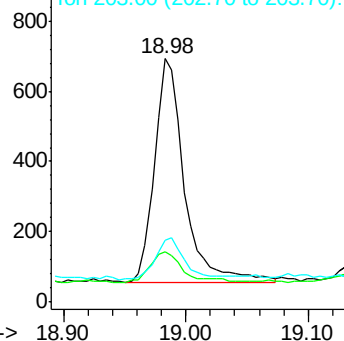
Ion	Ratio	Lower	Upper
202	100		
101	16.2	10.3	15.5#
203	17.8	13.7	20.5

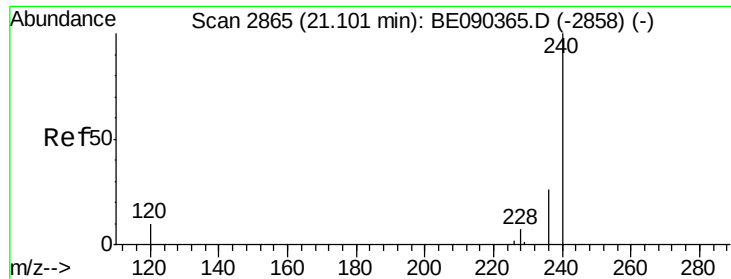


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.09 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Instrument :

BNA_E

ClientSampleId :

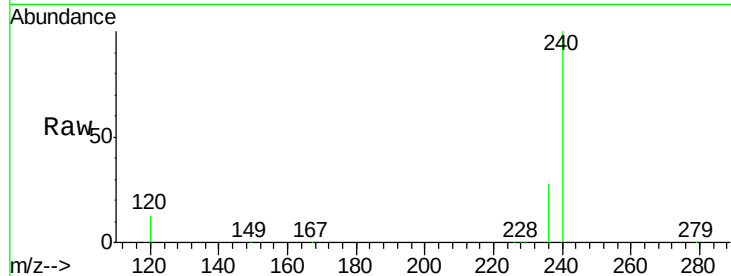
Tot Ion:240 Resp: 147807

Ion Ratio Lower Upper

240 100

120 12.9 8.3 12.5#

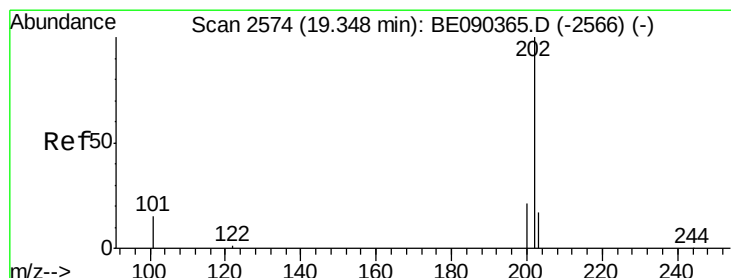
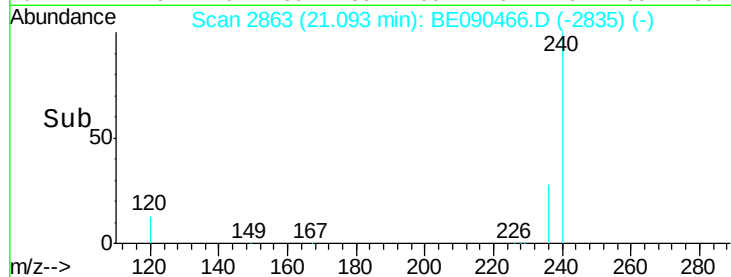
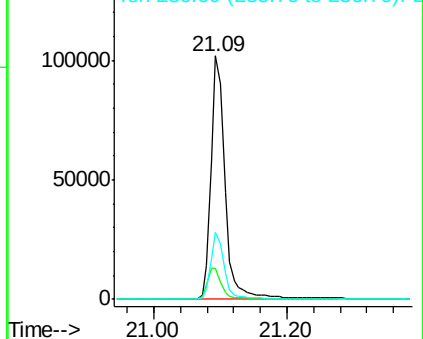
236 27.6 21.0 31.4



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



#26

Pyrene

Concen: 0.04 ng

RT: 19.34 min Scan# 2573

Delta R.T. -0.00 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

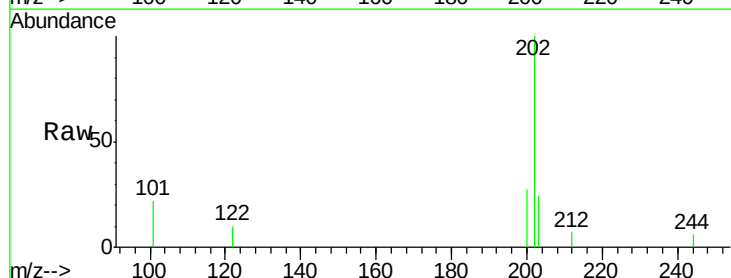
Tgt Ion:202 Resp: 1265

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

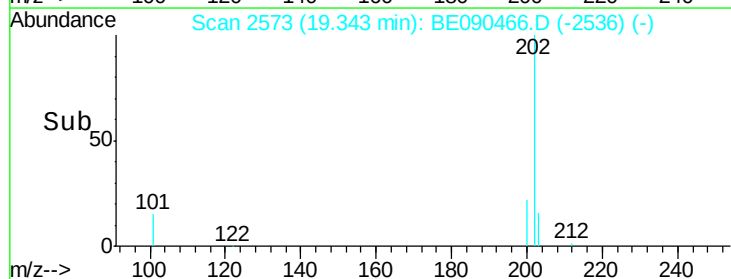
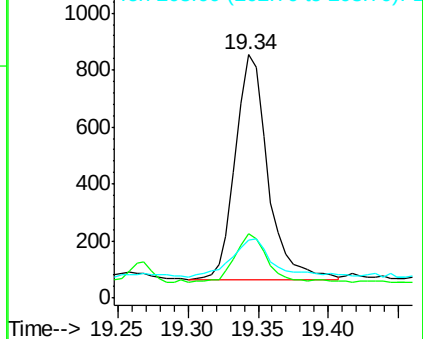
203 22.8 13.8 20.8#

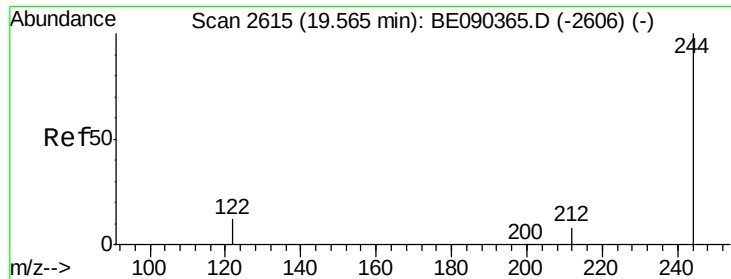


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 5.15 ng

RT: 19.56 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Instrument :

BNA_E

ClientSampled :

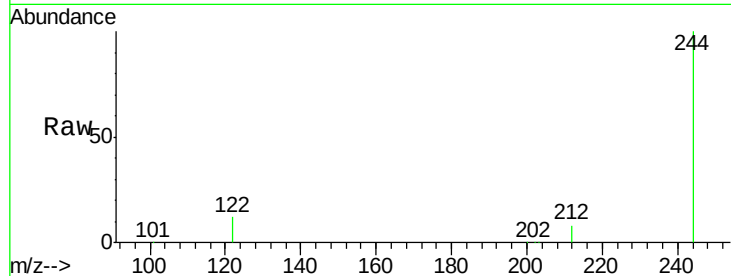
Tot Ion:244 Resp: 112221

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

122 11.8 10.2 15.4

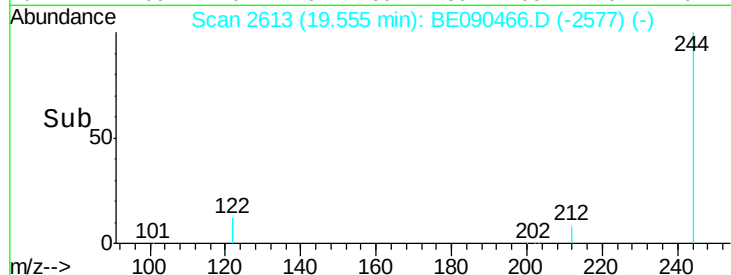


Abundance Ion 244.00 (243.70 to 244.70): E

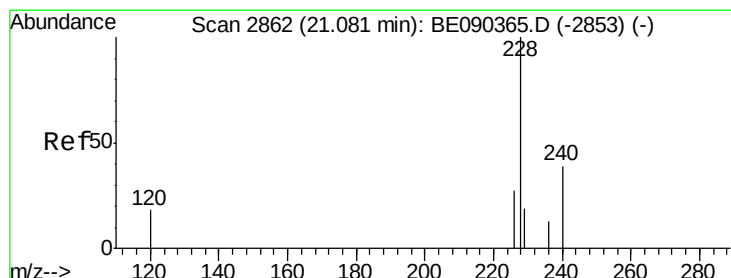
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#28

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.09 min Scan# 2862

Delta R.T. 0.01 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

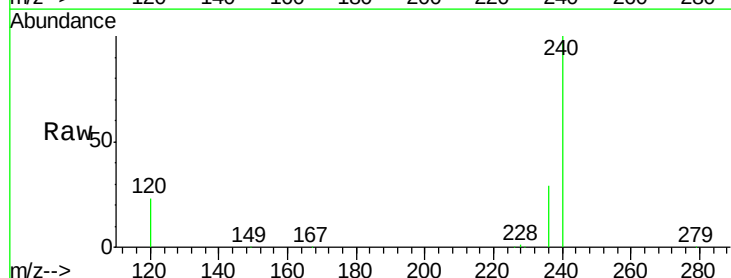
Tgt Ion:228 Resp: 945

Ion Ratio Lower Upper

228 100

226 40.5 21.9 32.9#

229 36.0 15.4 23.0#

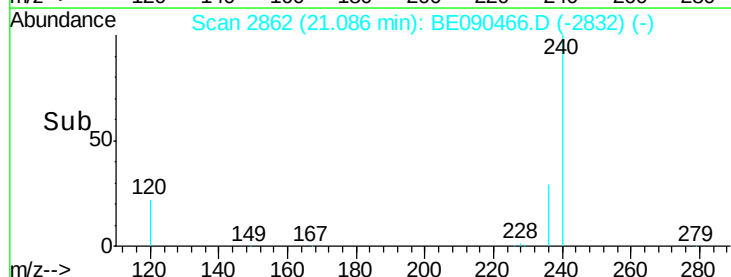


Abundance Ion 228.00 (227.70 to 228.70): E

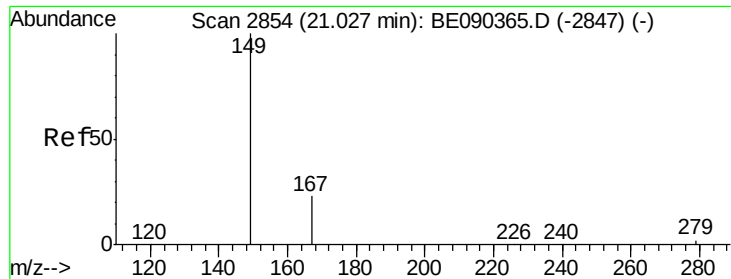
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Instrument :

BNA_E

ClientSampleId :

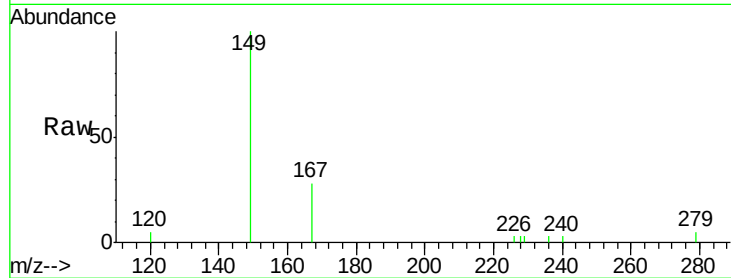
Tot Ion:149 Resp: 2371

Ion Ratio Lower Upper

149 100

167 25.6 19.8 29.8

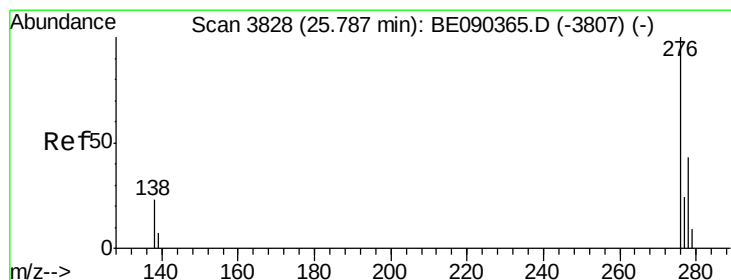
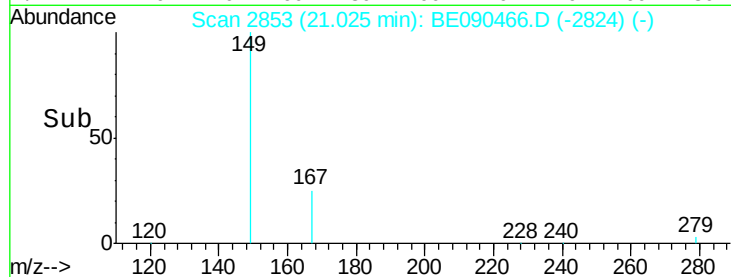
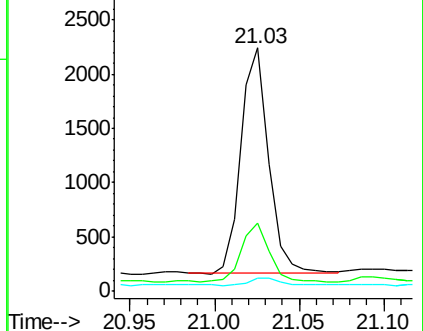
279 3.3 2.4 3.6



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: 25.79 min Scan# 3829

Delta R.T. 0.00 min

Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

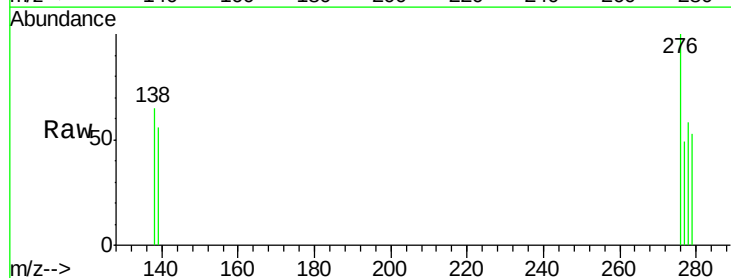
Tgt Ion:276 Resp: 297

Ion Ratio Lower Upper

276 100

138 4.0 18.8 28.2#

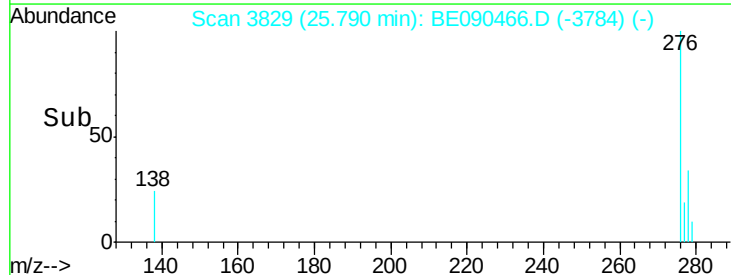
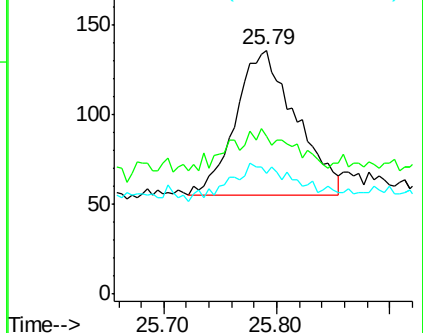
277 21.5 18.2 27.4

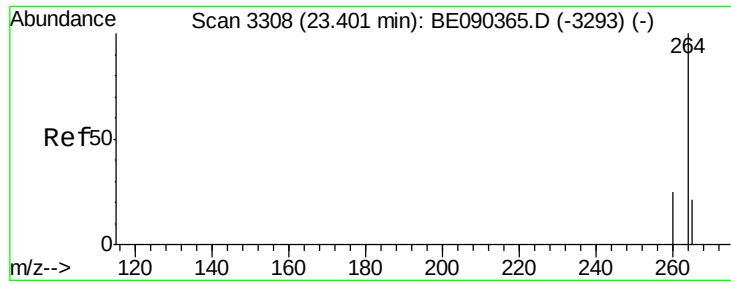


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

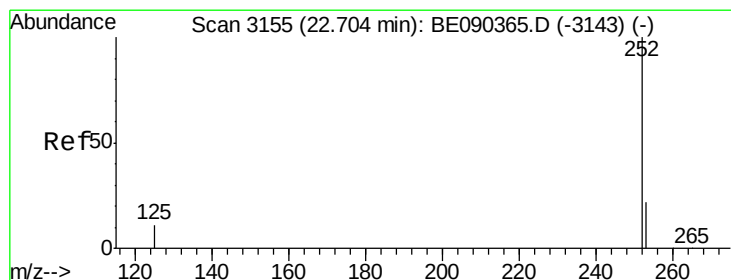
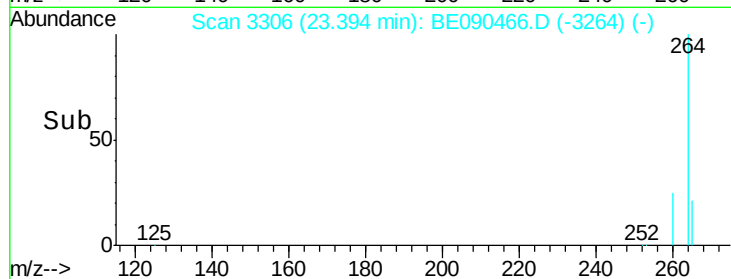
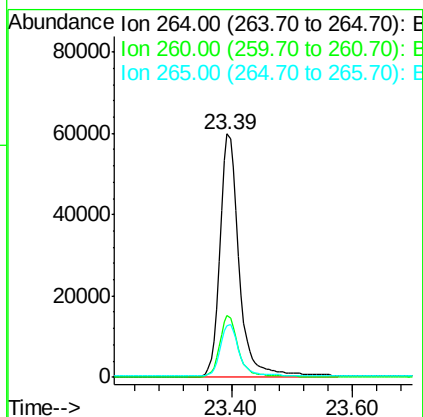
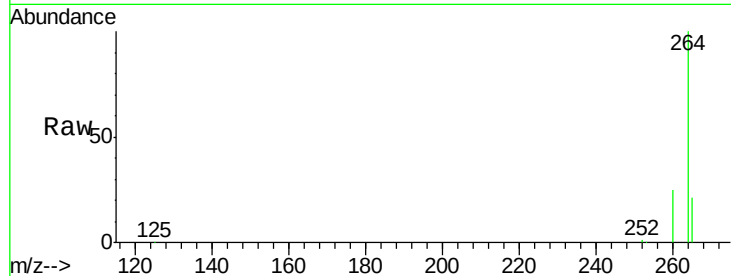




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.39 min Scan# 3306
Delta R.T. -0.01 min
Lab File: BE090466.D
Acq: 12 Aug 2015 14:18

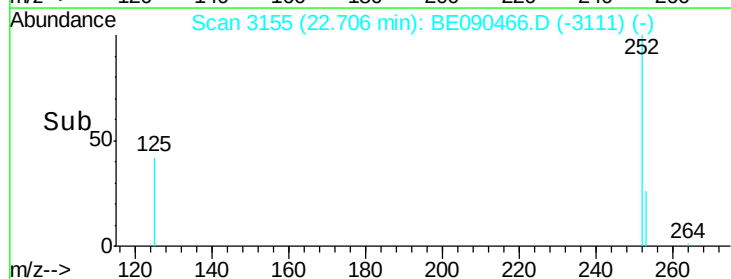
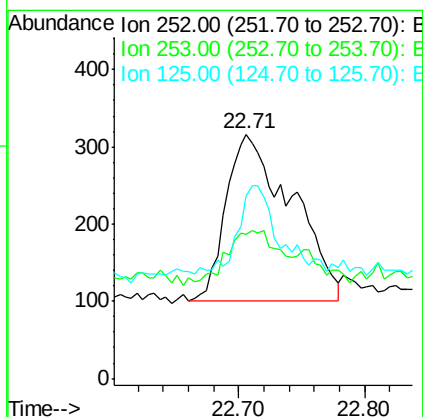
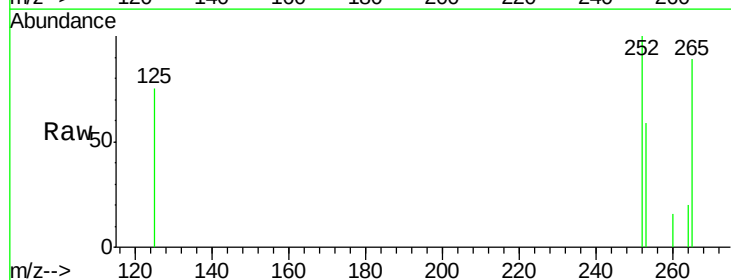
Instrument :
BNA_E
ClientSampleId :

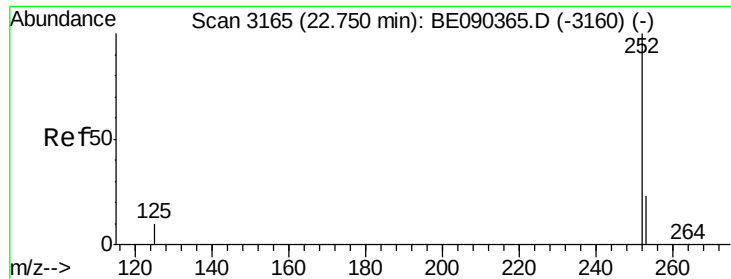
Tot Ion:264 Resp: 132746
Ion Ratio Lower Upper
264 100
260 25.2 20.1 30.1
265 21.4 17.2 25.8



#33
Benzo(b)fluoranthene
Concen: 0.22 ng
RT: 22.71 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE090466.D
Acq: 12 Aug 2015 14:18

Tgt Ion:252 Resp: 787
Ion Ratio Lower Upper
252 100
253 58.9 18.1 27.1#
125 74.7 9.4 14.2#

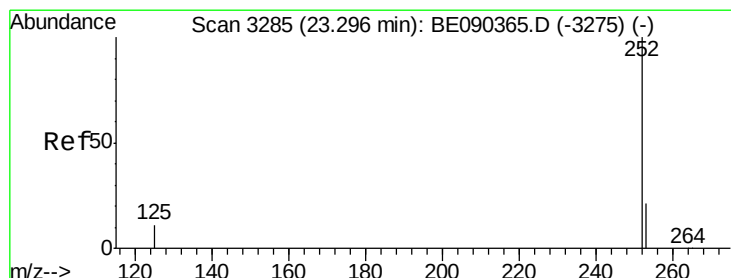
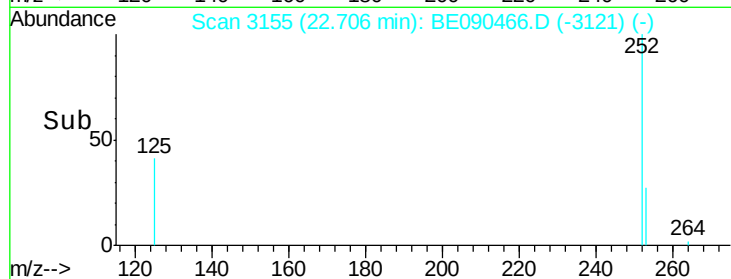
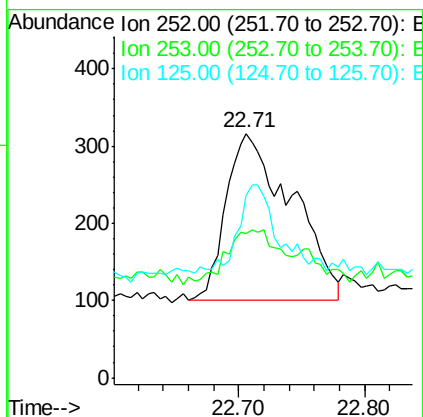
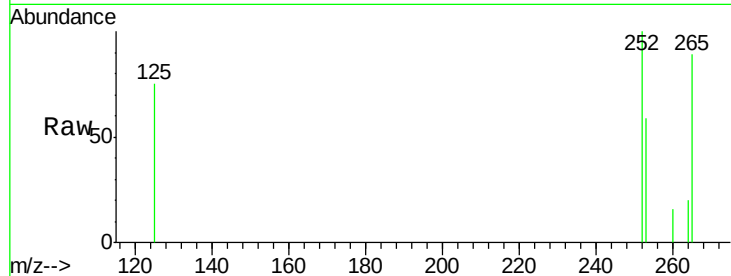




#34
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 22.71 min Scan# 3155
Delta R.T. -0.04 min
Lab File: BE090466.D
Acq: 12 Aug 2015 14:18

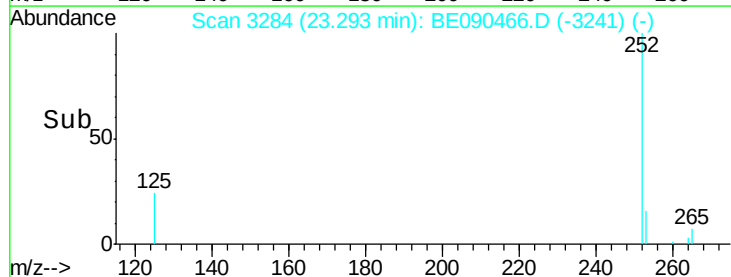
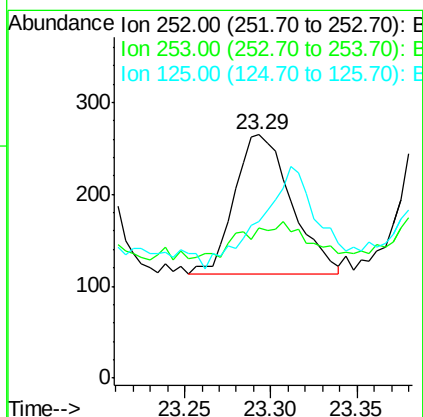
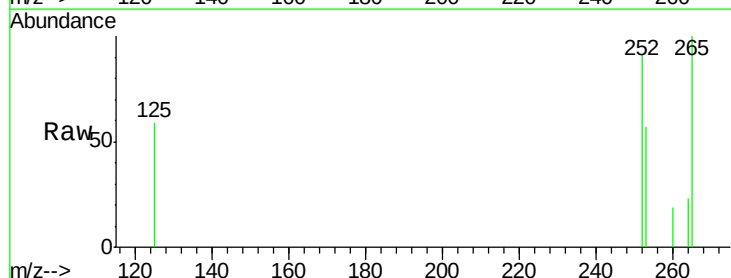
Instrument :
BNA_E
ClientSampleId :

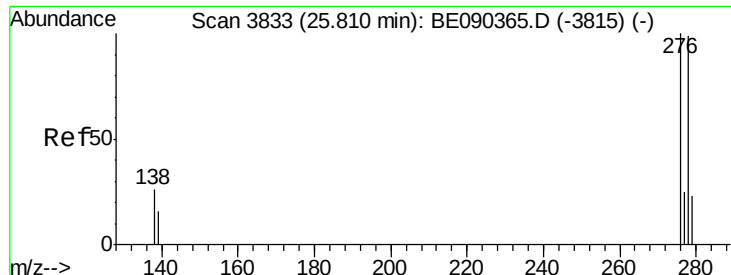
Tot Ion:252 Resp: 787
Ion Ratio Lower Upper
252 100
253 58.9 18.1 27.1#
125 74.7 9.1 13.7#



#35
Benzo(a)pyrene
Concen: 0.24 ng
RT: 23.29 min Scan# 3284
Delta R.T. -0.00 min
Lab File: BE090466.D
Acq: 12 Aug 2015 14:18

Tgt Ion:252 Resp: 350
Ion Ratio Lower Upper
252 100
253 61.9 17.6 26.4#
125 64.5 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.79 min Scan# 3830

Delta R.T. -0.01 min

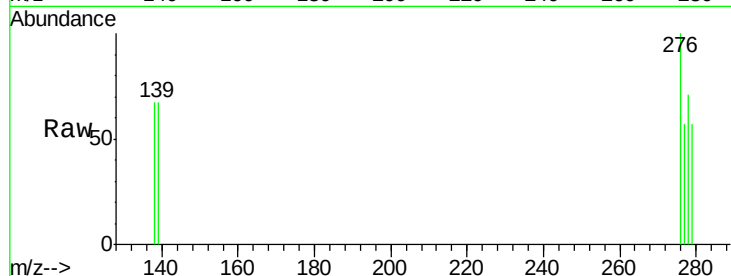
Lab File: BE090466.D

Acq: 12 Aug 2015 14:18

Instrument :

BNA_E

ClientSampleId :



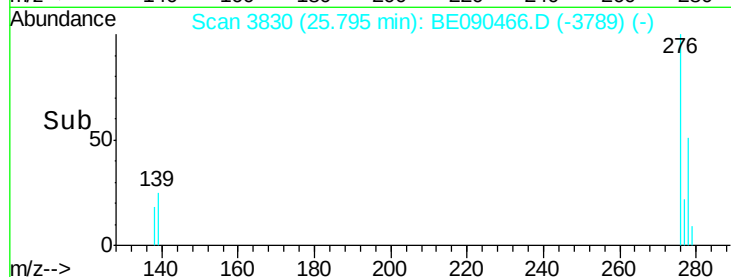
Tot Ion: 278 Resp: 128

Ion Ratio Lower Upper

278 100

139 94.3 14.2 21.4#

279 80.7 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

