

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090464.D
 Acq On : 12 Aug 2015 13:06
 Operator : UM/IZ
 Sample : G3236-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 01:19:11 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	20279	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	93114	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	53917	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	128007	5.00	ng	0.00
25) Chrysene-d12	21.09	240	149038	5.00	ng	0.00
32) Perylene-d12	23.39	264	132105	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	14323	4.71	ng	0.00
5) Phenol-d6	6.77	99	12911	2.14	ng	0.00
7) Nitrobenzene-d5	8.73	82	26353	3.54	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	16081	9.13	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	64733	4.37	ng	0.00
27) Terphenyl-d14	19.55	244	125804	5.73	ng	-0.01

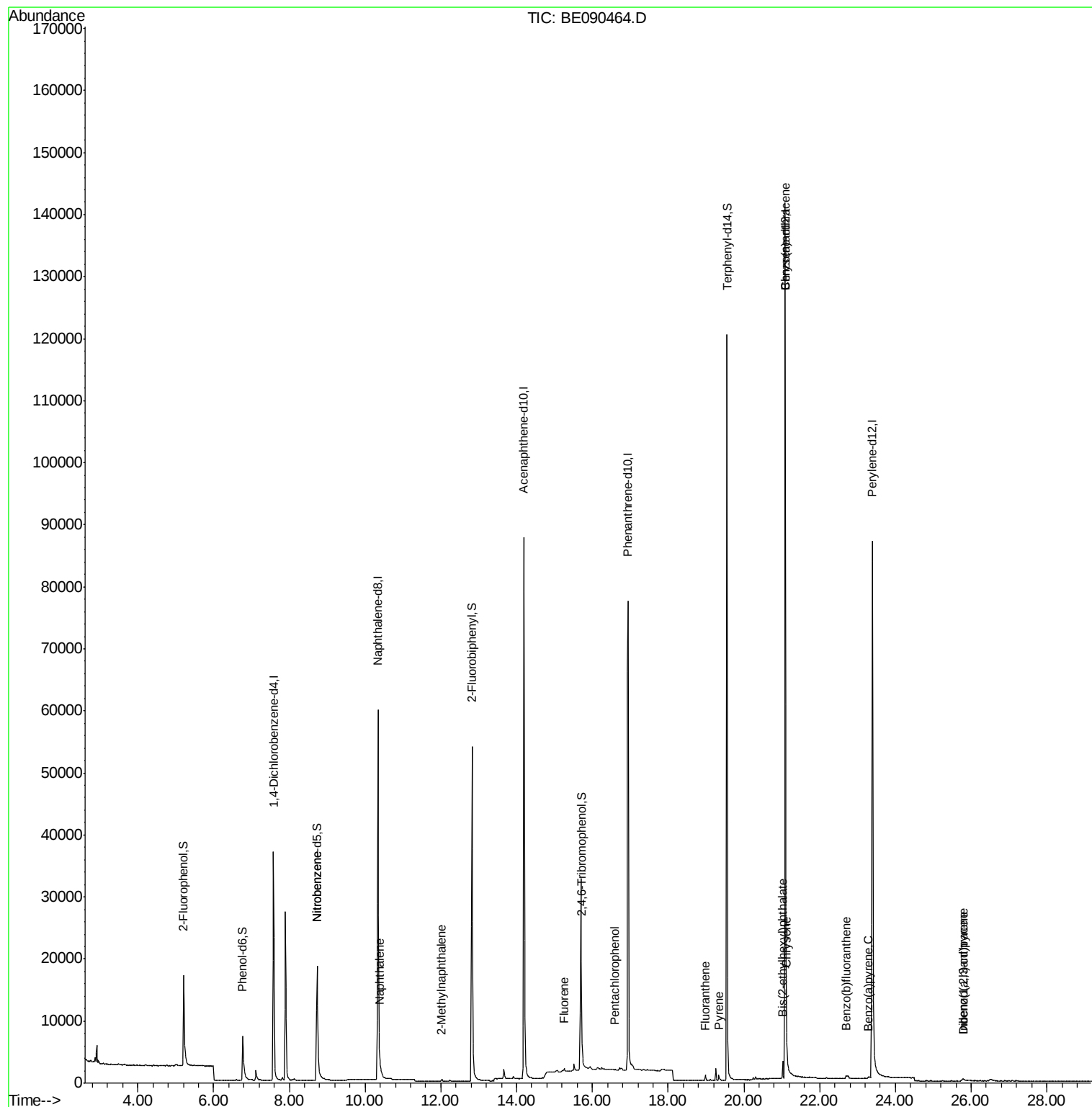
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	48	Below Cal	#	27
8) Nitrobenzene	8.72	77	122	0.22 ng	#	68
9) Naphthalene	10.38	128	520	0.03 ng	#	62
10) Hexachlorobutadiene	10.69	225	22	Below Cal	#	56
11) 2-Methylnaphthalene	12.02	142	264	0.02 ng	#	81
17) Fluorene	15.26	166	356	0.02 ng	#	69
21) Pentachlorophenol	16.60	266	43	0.14 ng	#	69
24) Fluoranthene	18.98	202	920	0.03 ng		95
26) Pyrene	19.34	202	1008	0.03 ng		96
28) Benzo(a)anthracene	21.09	228	1100	0.03 ng	#	85
29) Chrysene	21.13	228	889	0.02 ng	#	82
30) Bis(2-ethylhexyl)phthalate	21.02	149	2435	0.41 ng	#	98
31) Indeno(1,2,3-cd)pyrene	25.79	276	600	0.27 ng	#	78
33) Benzo(b)fluoranthene	22.70	252	722	0.22 ng	#	40
35) Benzo(a)pyrene	23.29	252	496	0.24 ng	#	24
36) Dibenzo(a,h)anthracene	25.81	278	430	0.30 ng	#	26

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

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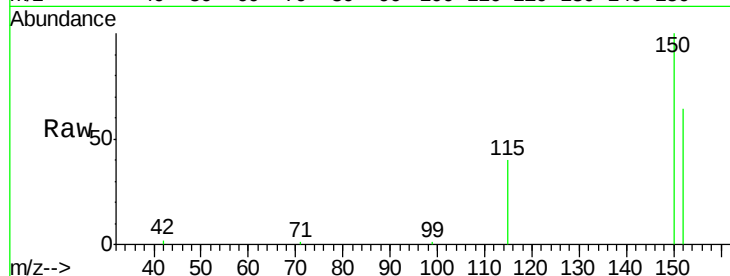


#1

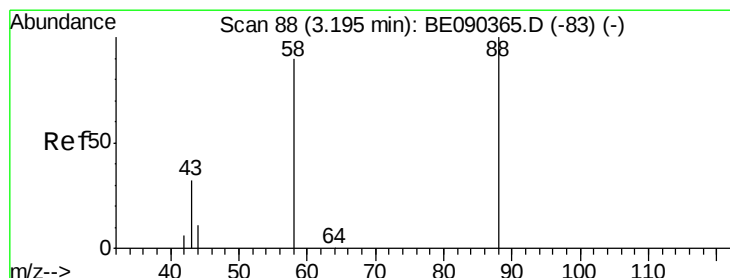
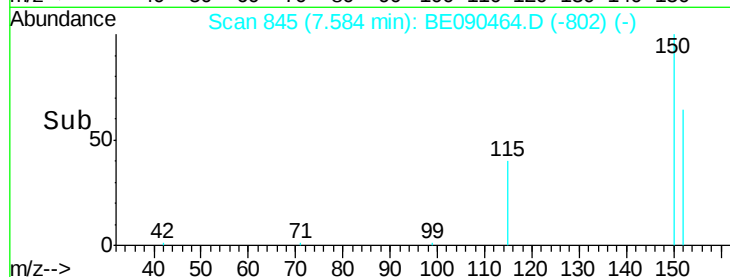
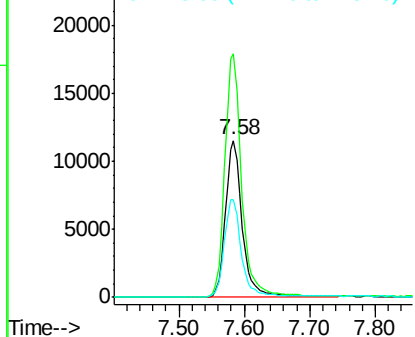
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 20279
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.4
115 62.0 48.9 73.3



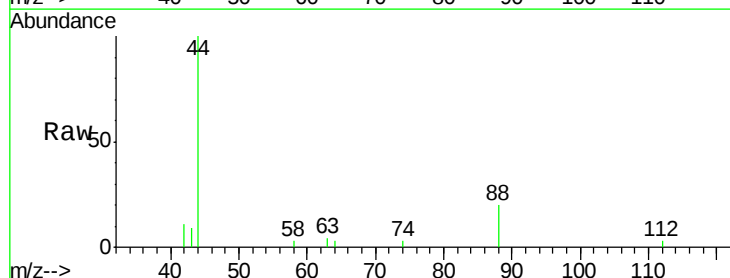
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



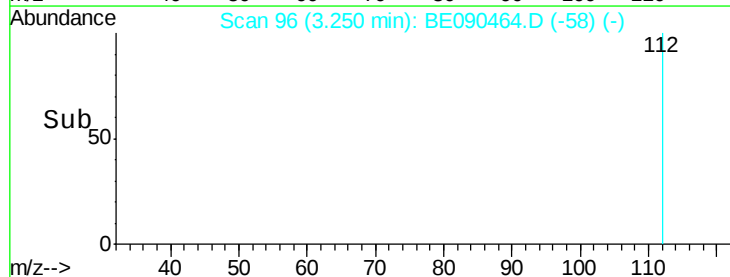
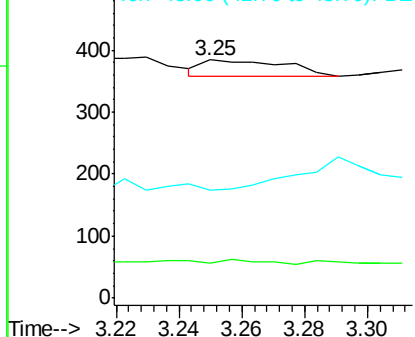
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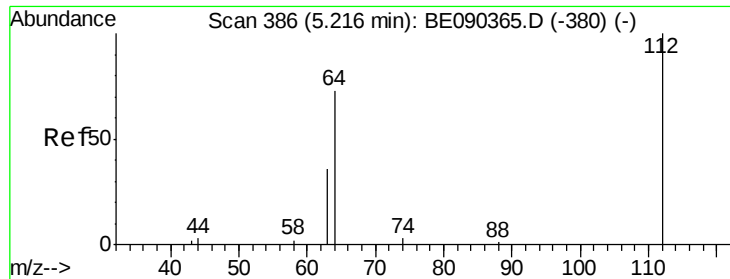
1,4-Dioxane
Concen: Below Cal
RT: 3.25 min Scan# 96
Delta R.T. 0.05 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
58 14.6 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: 4.71 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

Instrument :

BNA_E

ClientSampled :

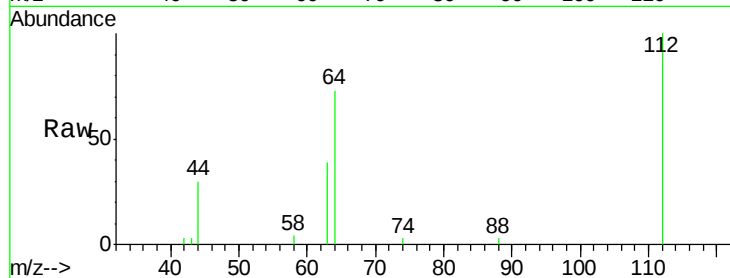
Tot Ion:112 Resp: 14323

Ion Ratio Lower Upper

112 100

64 71.0 37.1 55.7#

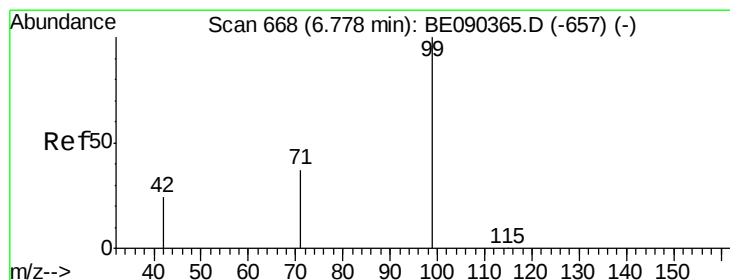
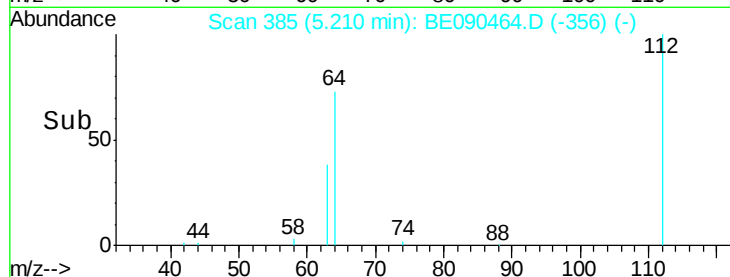
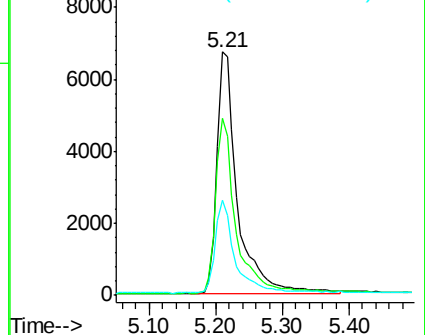
63 36.6 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090464.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090464.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090464.D (-356) (-)



#5

Phenol-d6

Concen: 2.14 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

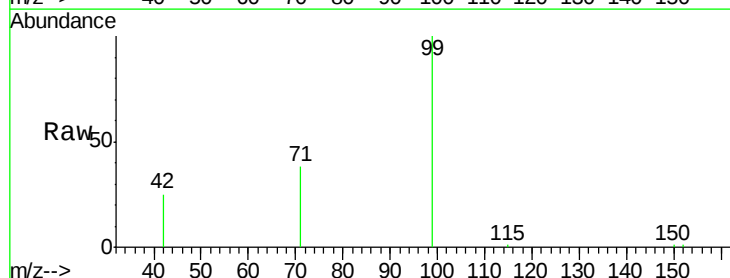
Tgt Ion: 99 Resp: 12911

Ion Ratio Lower Upper

99 100

42 22.4 18.2 27.4

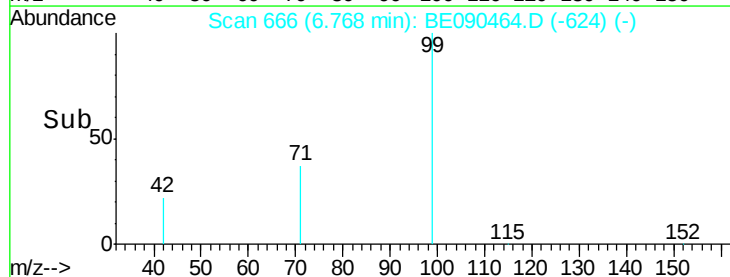
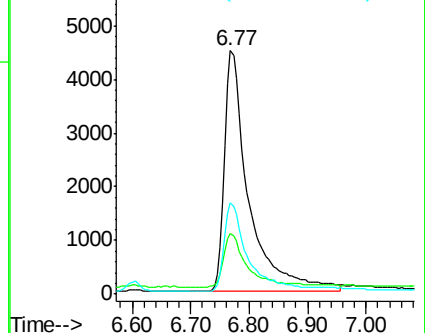
71 35.7 27.4 41.0

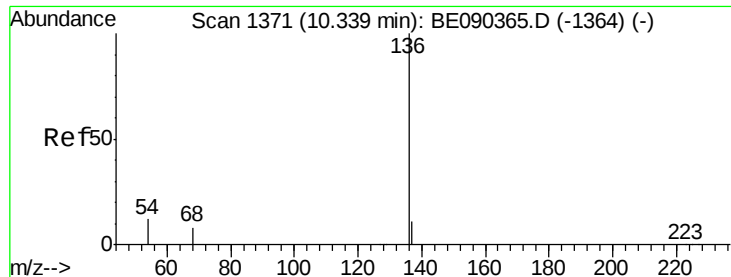


Abundance Ion 99.00 (98.70 to 99.70): BE090464.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090464.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090464.D (-624) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 93114

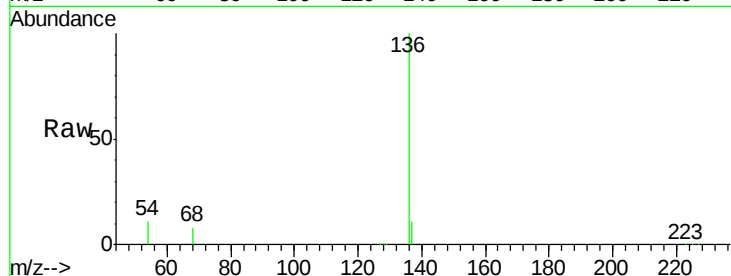
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.1 9.4 14.0

68 8.0 6.5 9.7

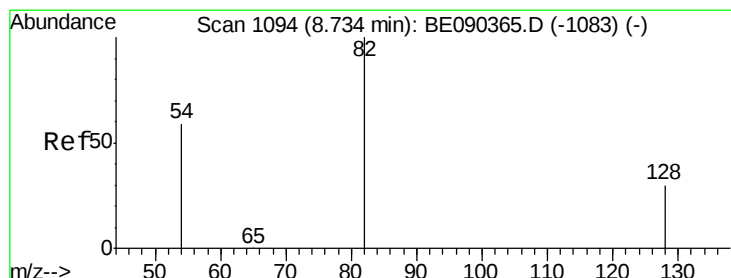
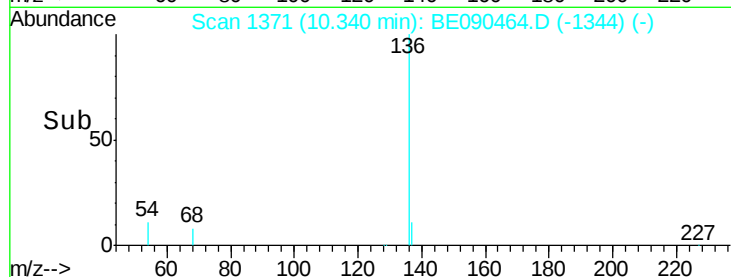
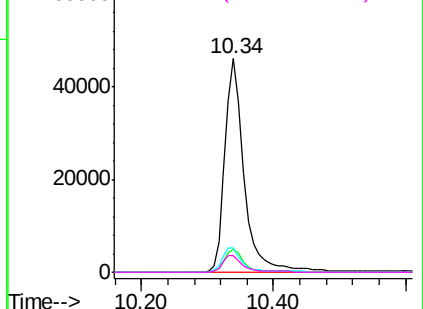


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.54 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

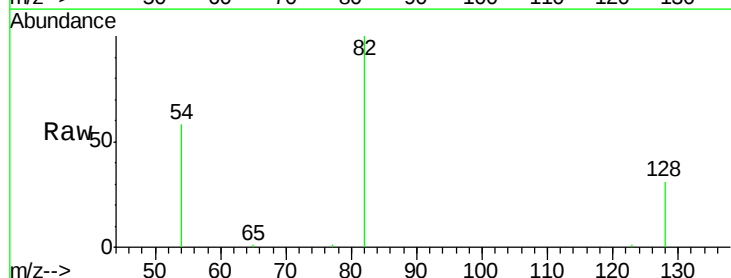
Tgt Ion: 82 Resp: 26353

Ion Ratio Lower Upper

82 100

128 31.3 25.0 37.6

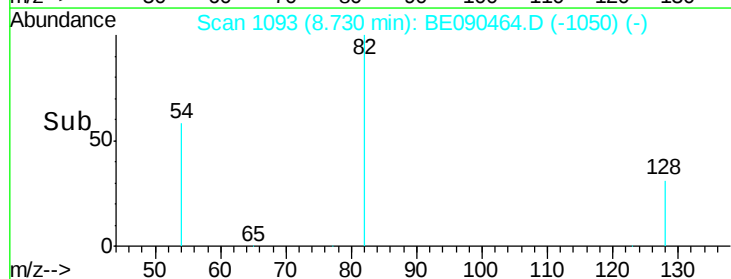
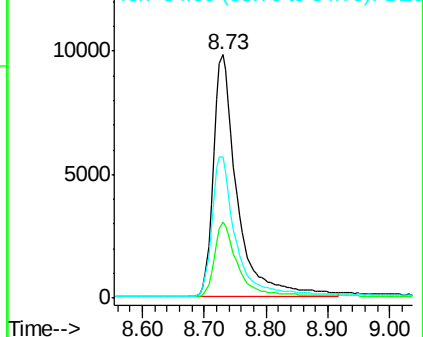
54 57.8 48.8 73.2

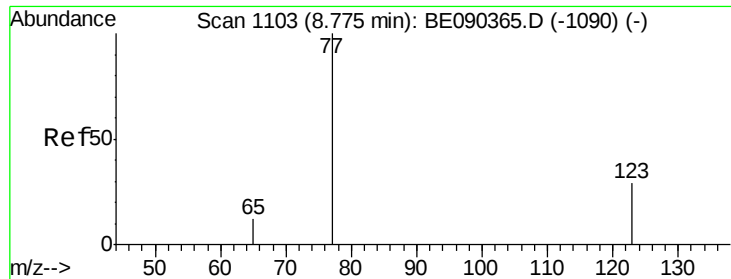


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

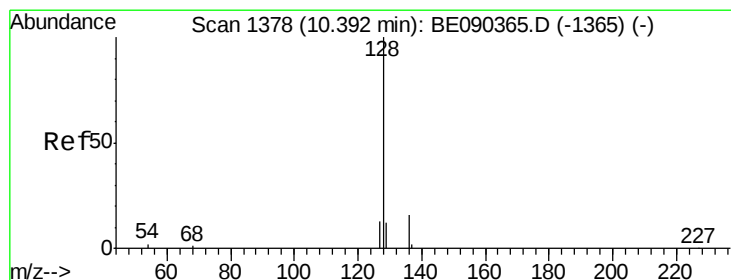
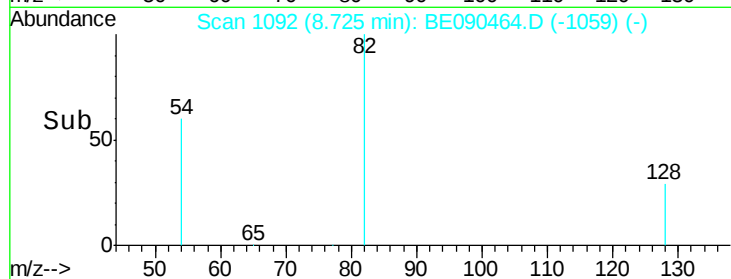
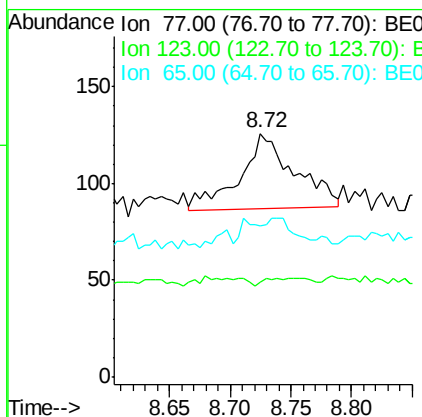
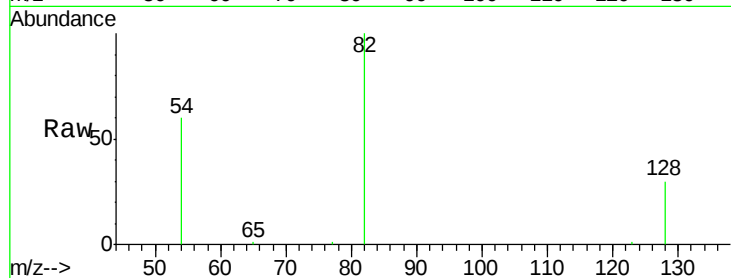




#8
 Nitrobenzene
 Concen: 0.22 ng
 RT: 8.72 min Scan# 1092
 Delta R.T. -0.05 min
 Lab File: BE090464.D
 Acq: 12 Aug 2015 13:06

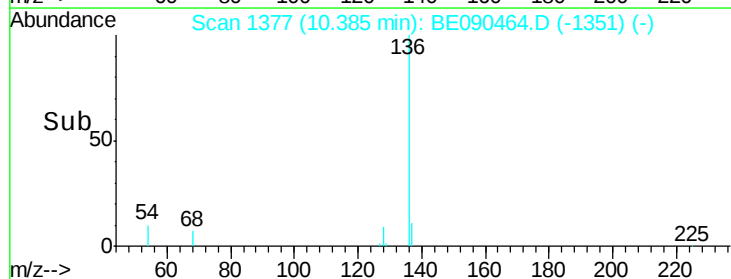
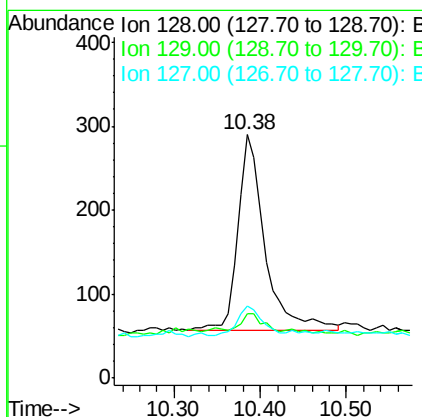
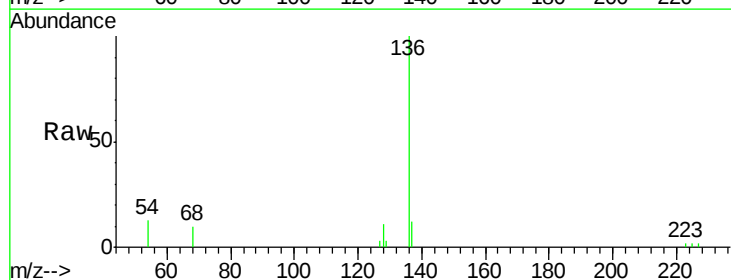
Instrument :
 BNA_E
 ClientSampleId :

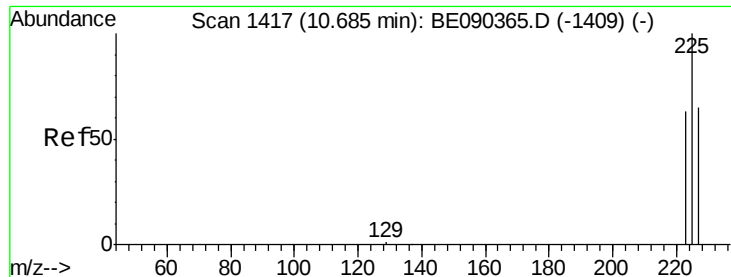
Tot Ion: 77 Resp: 122
 Ion Ratio Lower Upper
 77 100
 123 8.2 25.1 37.7#
 65 13.1 9.3 13.9



#9
 Naphthalene
 Concen: 0.03 ng
 RT: 10.38 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BE090464.D
 Acq: 12 Aug 2015 13:06

Tgt Ion: 128 Resp: 520
 Ion Ratio Lower Upper
 128 100
 129 26.6 9.8 14.6#
 127 29.3 10.6 16.0#

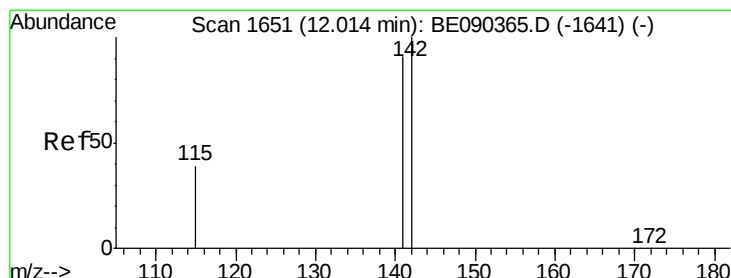
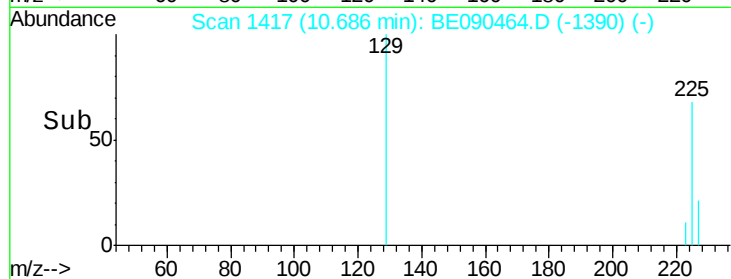
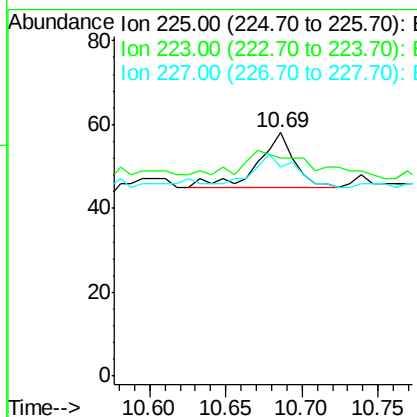
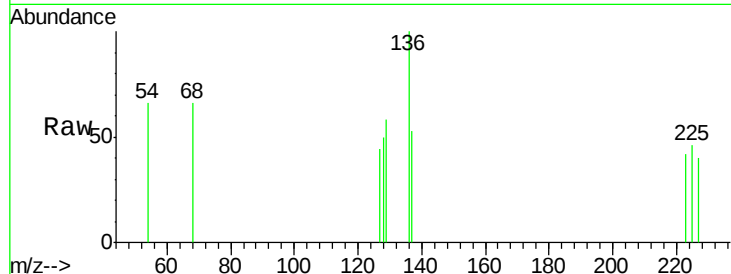




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.69 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

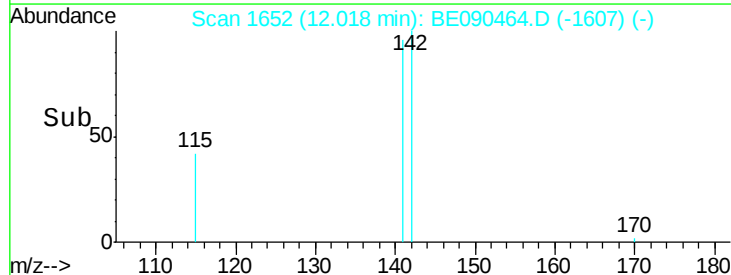
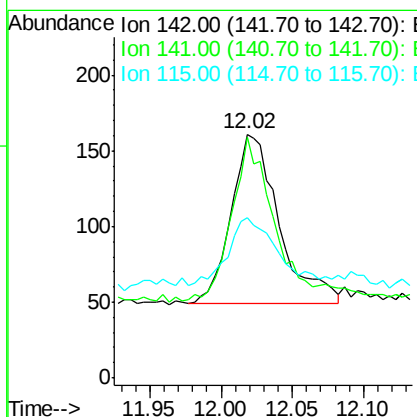
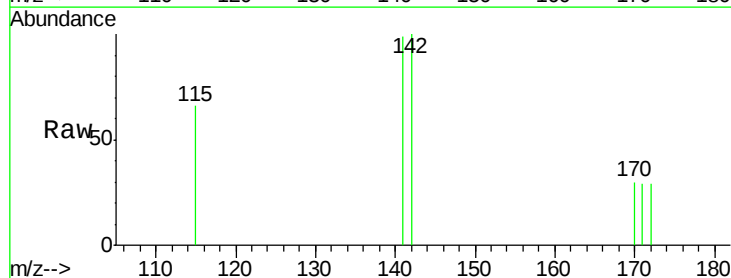
Instrument :
BNA_E
ClientSampleId :

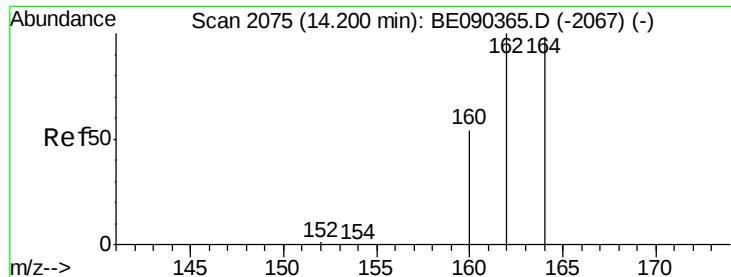
Tot Ion:225 Resp: 22
Ion Ratio Lower Upper
225 100
223 127.3 50.6 75.8#
227 68.2 50.7 76.1



#11
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.02 min Scan# 1652
Delta R.T. 0.00 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

Tgt Ion:142 Resp: 264
Ion Ratio Lower Upper
142 100
141 98.8 72.6 109.0
115 65.8 31.6 47.4#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

Instrument :

BNA_E

ClientSampleId :

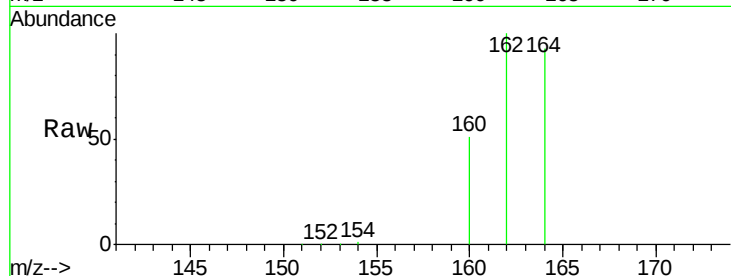
Tot Ion:164 Resp: 53917

Ion Ratio Lower Upper

164 100

162 107.6 81.8 122.8

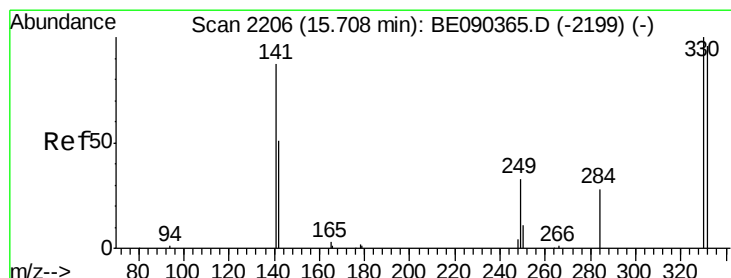
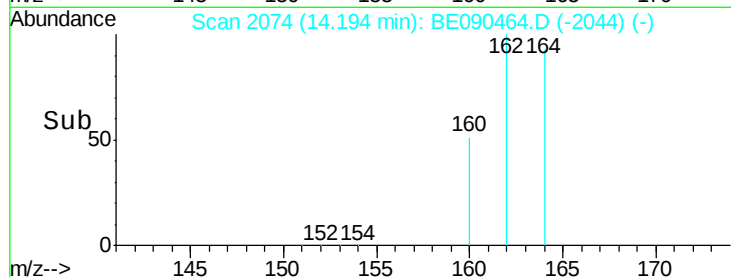
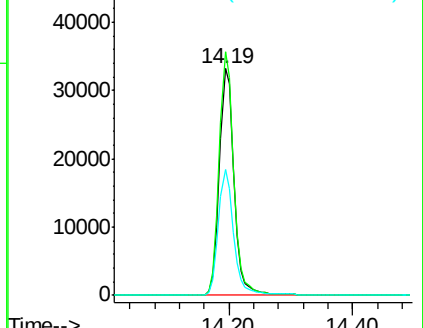
160 55.3 44.2 66.4



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: 9.13 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

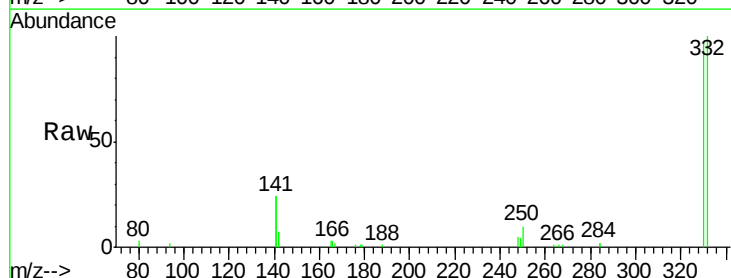
Tgt Ion:330 Resp: 16081

Ion Ratio Lower Upper

330 100

332 96.3 75.8 113.6

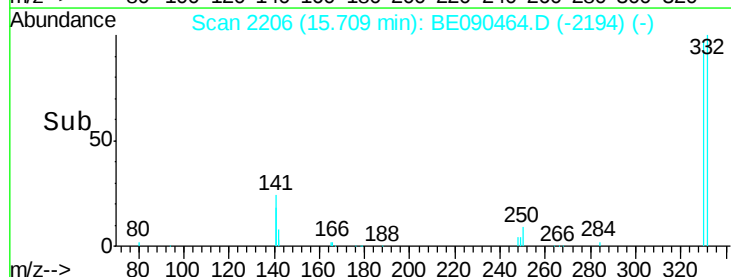
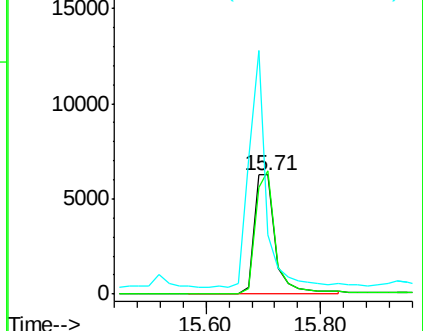
141 159.6 114.4 171.6

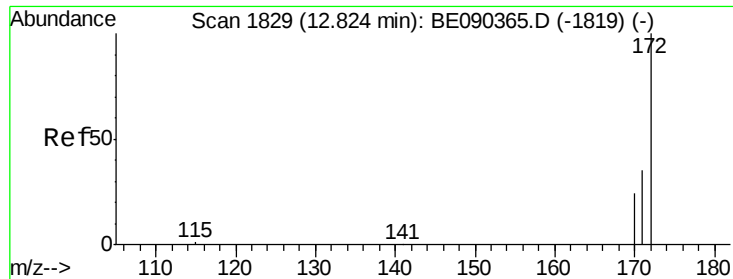


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

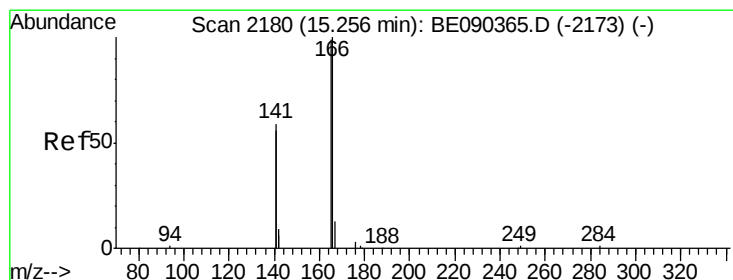
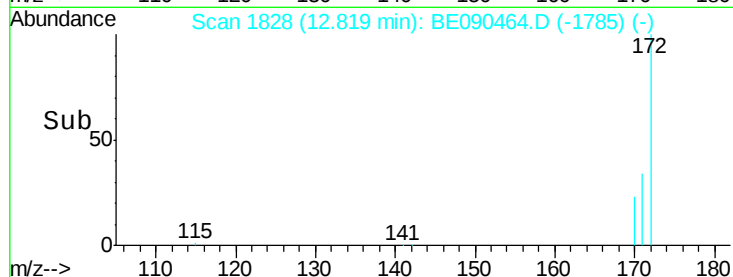
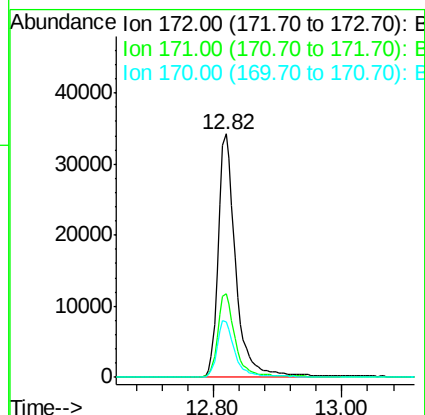
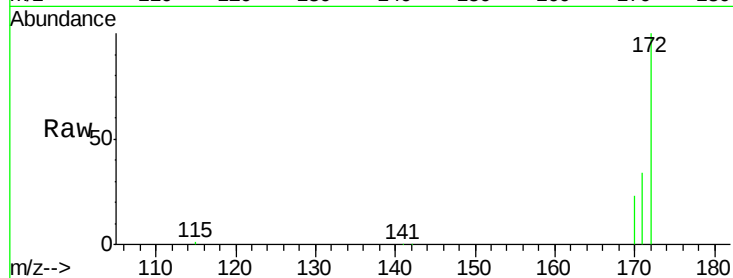




#14
2-Fluorobiphenyl
Concen: 4.37 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

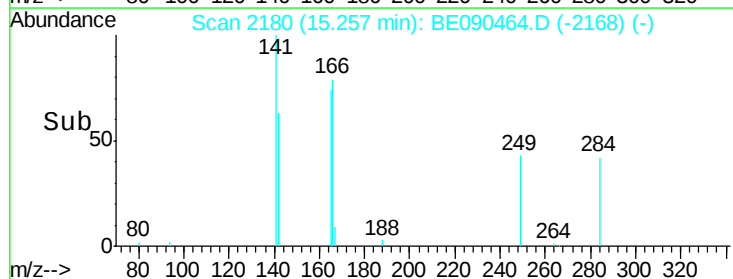
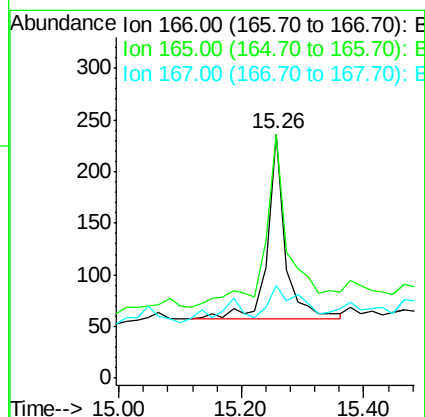
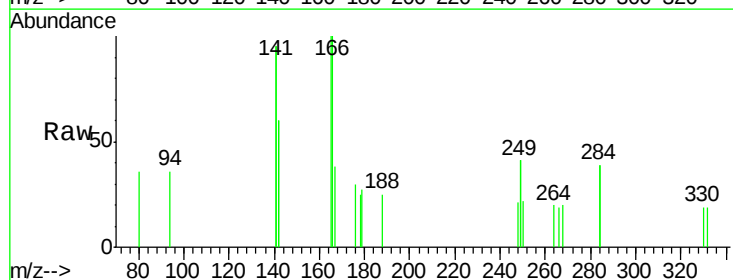
Instrument :
BNA_E
ClientSampleId :

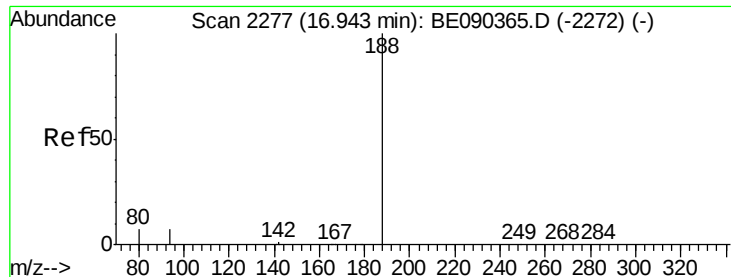
Tot Ion:172 Resp: 64733
Ion Ratio Lower Upper
172 100
171 34.1 28.5 42.7
170 22.8 19.8 29.8



#17
Fluorene
Concen: 0.02 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

Tgt Ion:166 Resp: 356
Ion Ratio Lower Upper
166 100
165 132.6 81.5 122.3#
167 28.1 11.4 17.0#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

Instrument :

BNA_E

ClientSampleId :

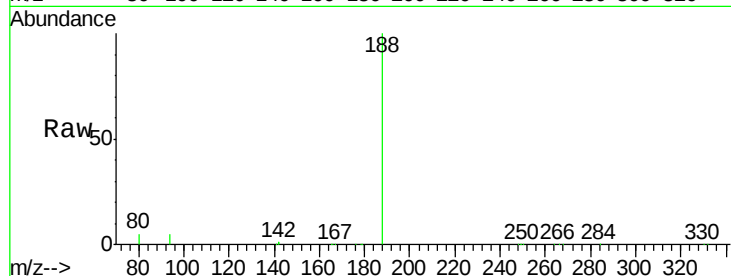
Tot Ion:188 Resp: 128007

Ion Ratio Lower Upper

188 100

94 5.2 5.7 8.5#

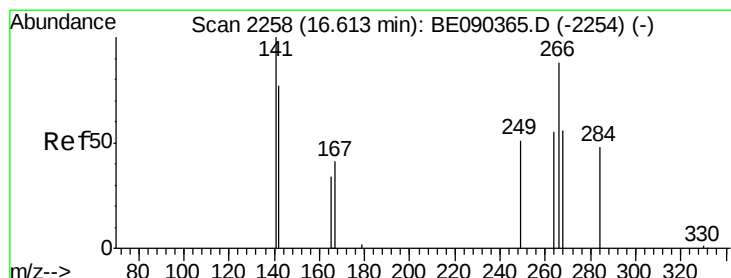
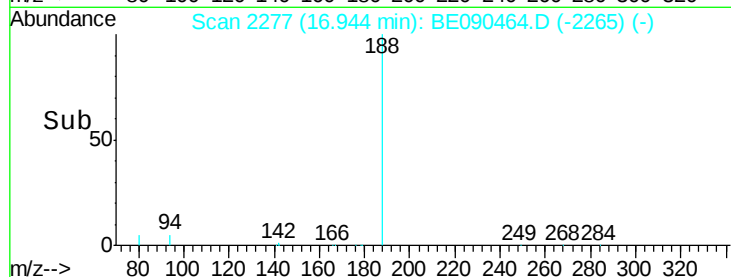
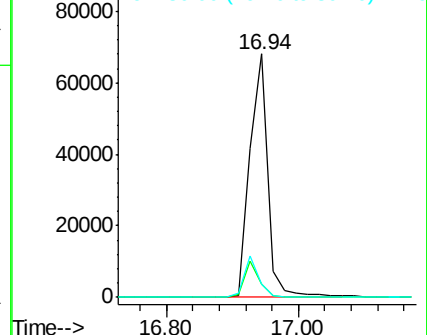
80 5.3 5.8 8.8#



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: 0.14 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

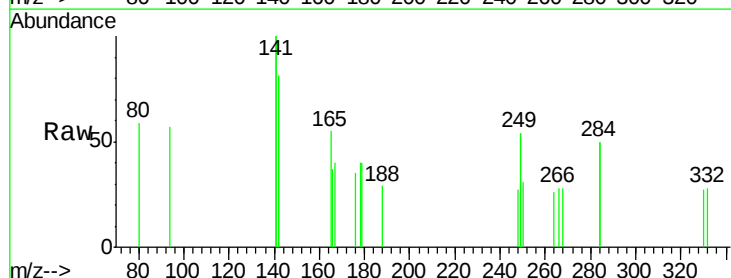
Tgt Ion:266 Resp: 43

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

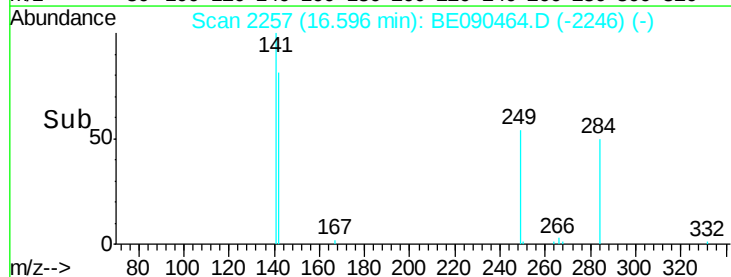
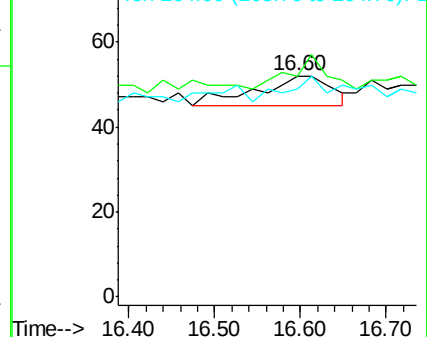
264 94.2 56.0 84.0#

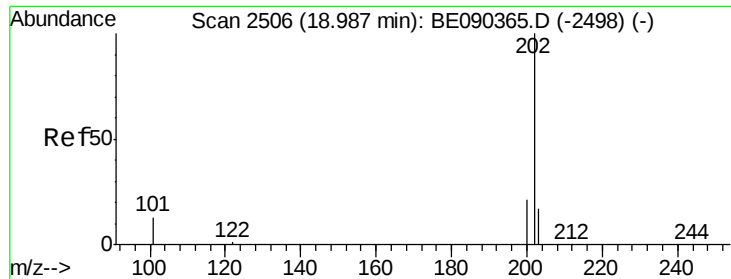


Abundance Ion 265.70 (265.40 to 266.40): E

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: 18.98 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

Instrument :

BNA_E

ClientSampleId :

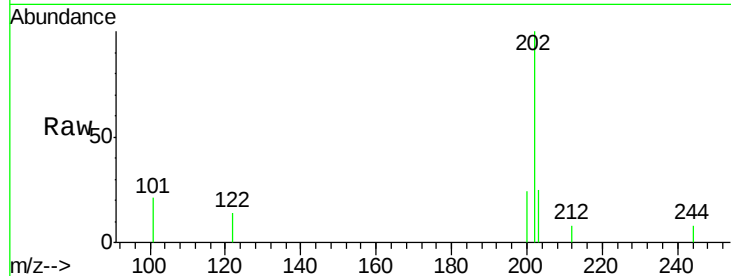
Tot Ion:202 Resp: 920

Ion Ratio Lower Upper

202 100

101 15.4 10.3 15.5

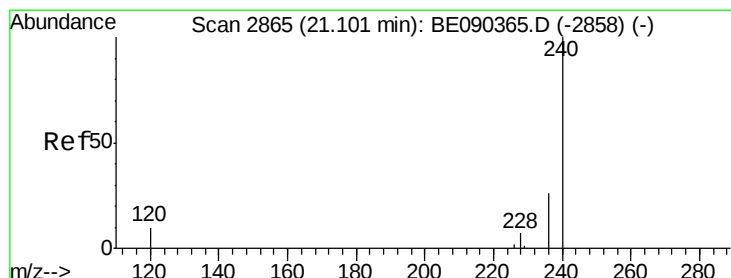
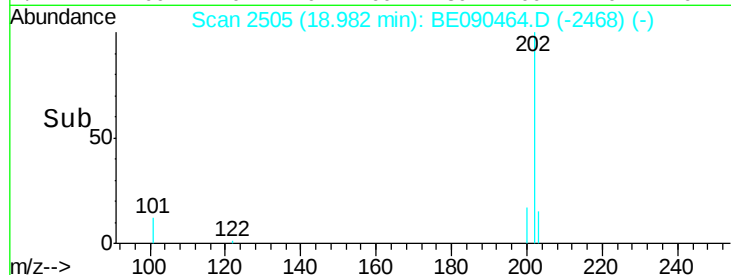
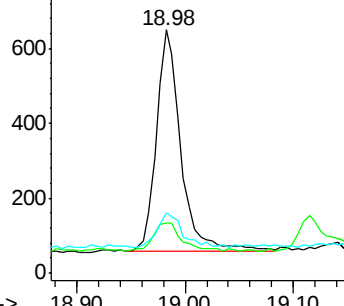
203 15.8 13.7 20.5



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: BE090464.D

Acq: 12 Aug 2015 13:06

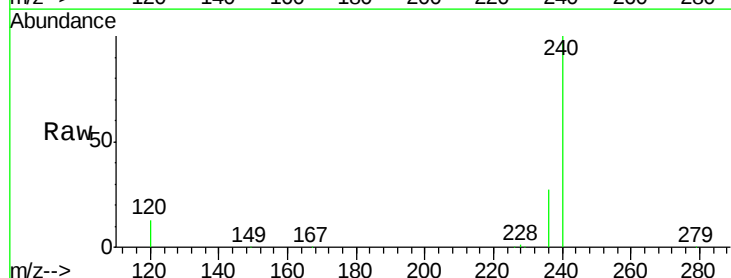
Tgt Ion:240 Resp: 149038

Ion Ratio Lower Upper

240 100

120 13.2 8.3 12.5#

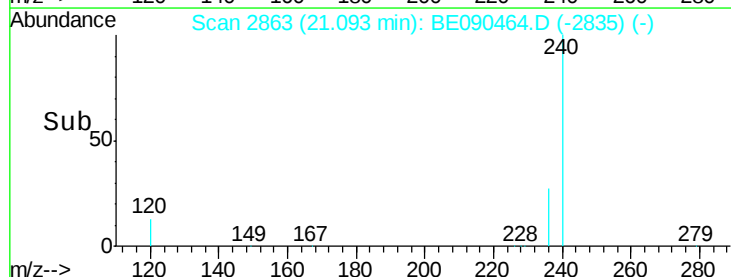
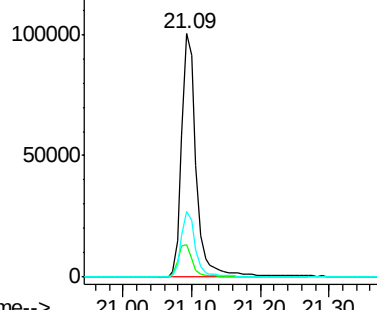
236 27.0 21.0 31.4

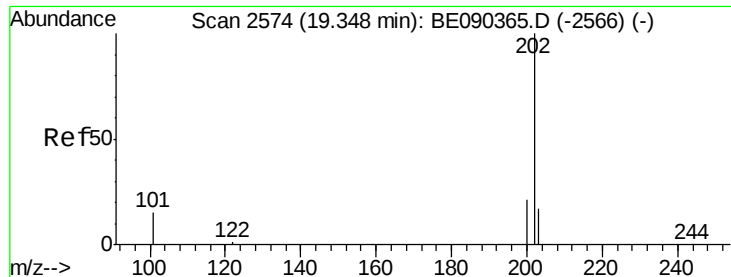


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

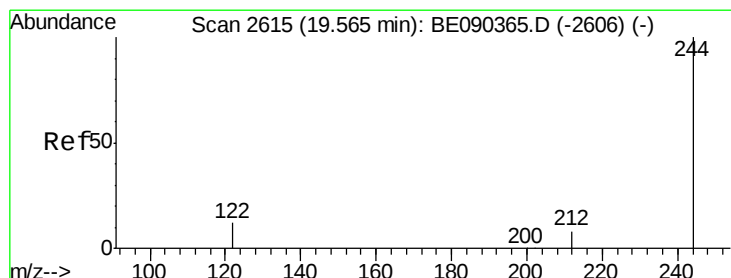
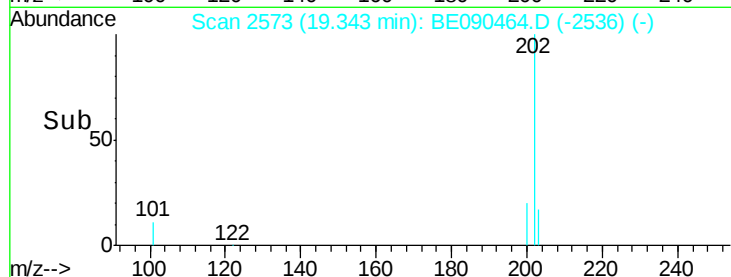
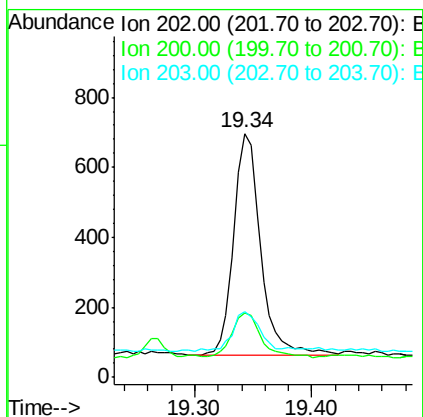
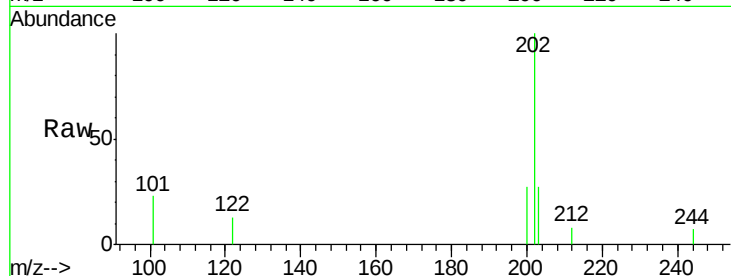




#26
Pvrene
Concen: 0.03 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.00 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

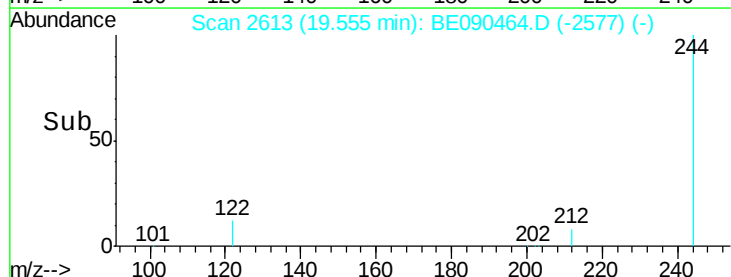
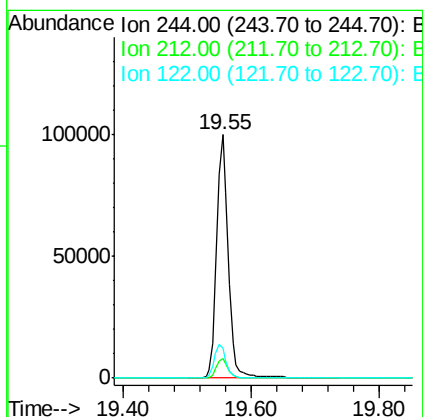
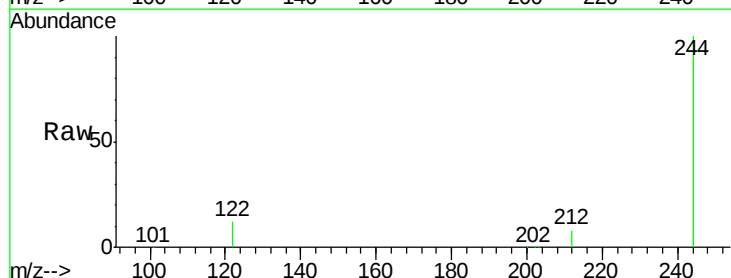
Instrument :
BNA_E
ClientSampleId :

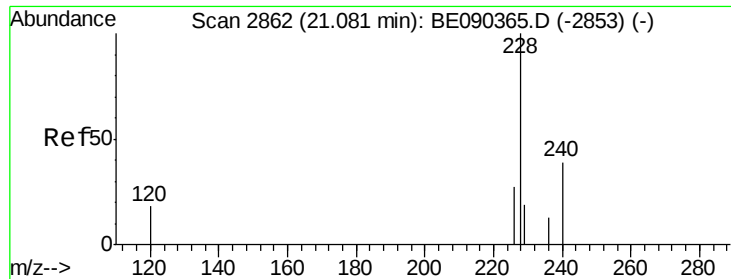
Tot Ion:202 Resp: 1008
Ion Ratio Lower Upper
202 100
200 22.6 16.7 25.1
203 19.4 13.8 20.8



#27
Terphenyl-d14
Concen: 5.73 ng
RT: 19.55 min Scan# 2613
Delta R.T. -0.01 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

Tgt Ion:244 Resp: 125804
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# 2862

Delta R.T. 0.01 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

Instrument :

BNA_E

ClientSampleId :

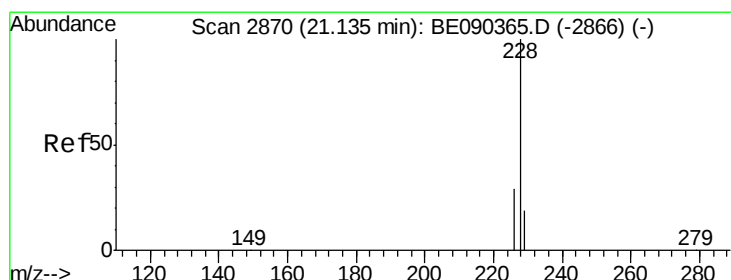
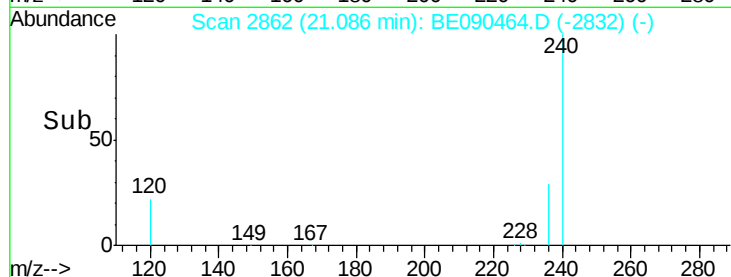
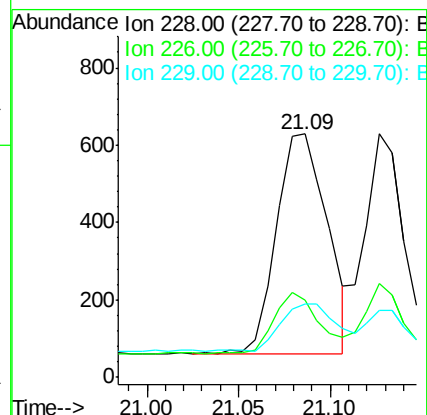
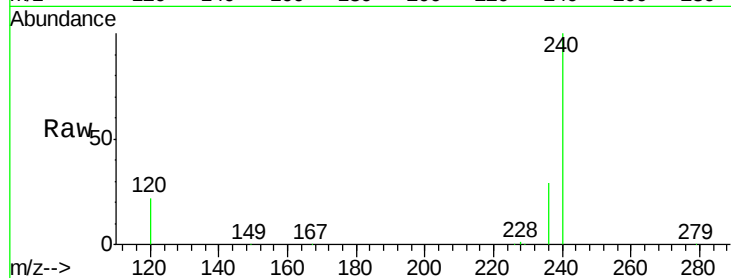
Tot Ion:228 Resp: 1100

Ion Ratio Lower Upper

228 100

226 31.8 21.9 32.9

229 30.0 15.4 23.0#



#29

Chrysene

Concen: 0.02 ng

RT: 21.13 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

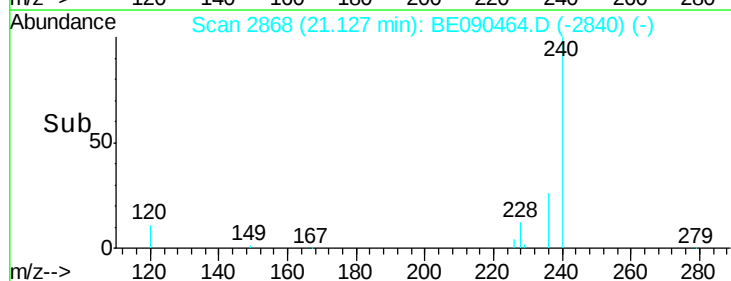
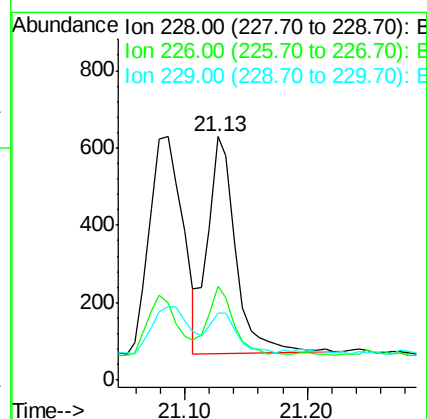
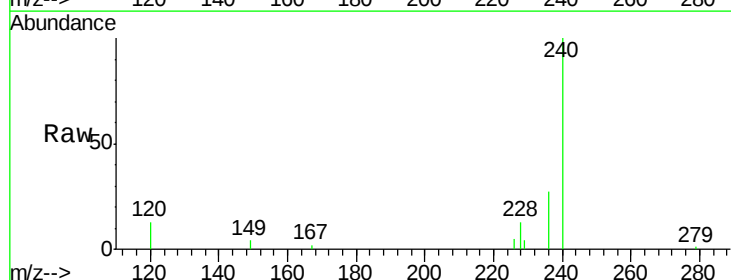
Tgt Ion:228 Resp: 889

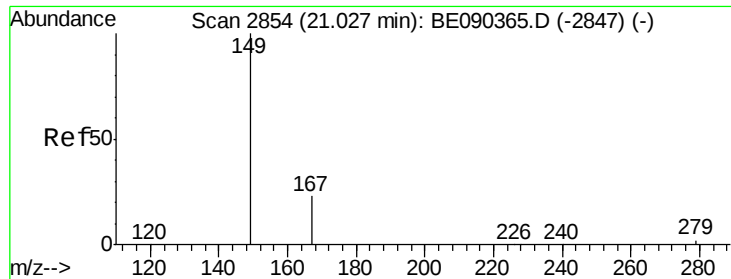
Ion Ratio Lower Upper

228 100

226 38.6 23.1 34.7#

229 27.5 15.8 23.8#

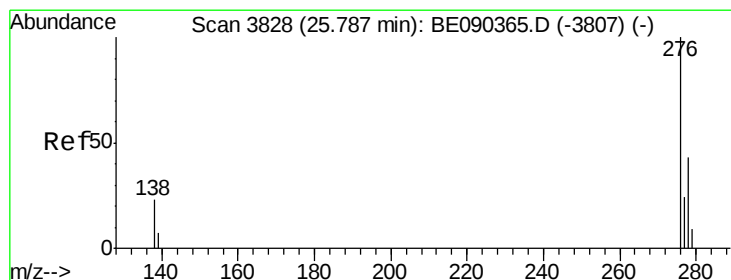
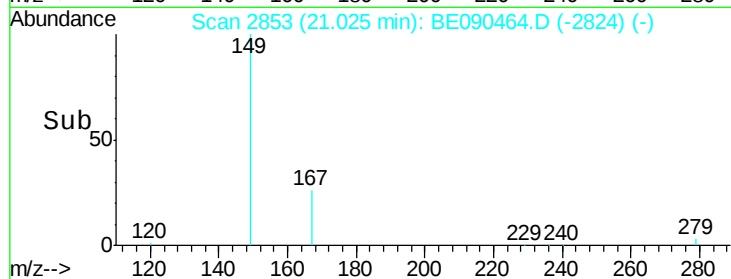
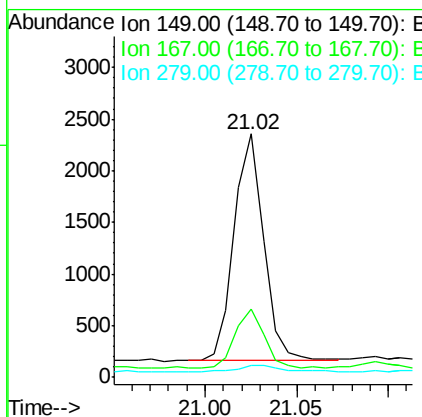
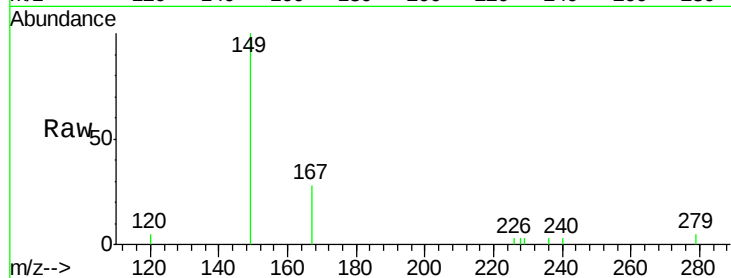




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.41 ng
 RT: 21.02 min Scan# 2853
 Delta R.T. -0.00 min
 Lab File: BE090464.D
 Acq: 12 Aug 2015 13:06

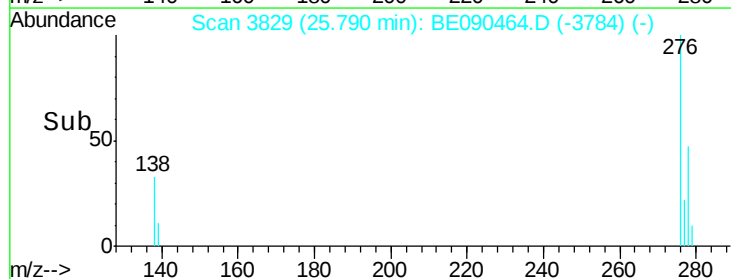
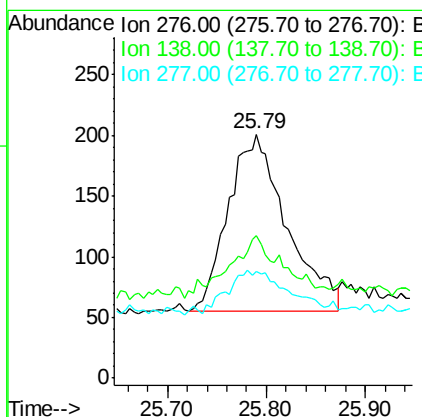
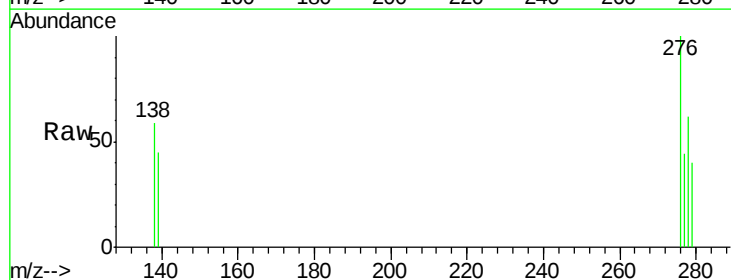
Instrument :
 BNA_E
 ClientSampleId :

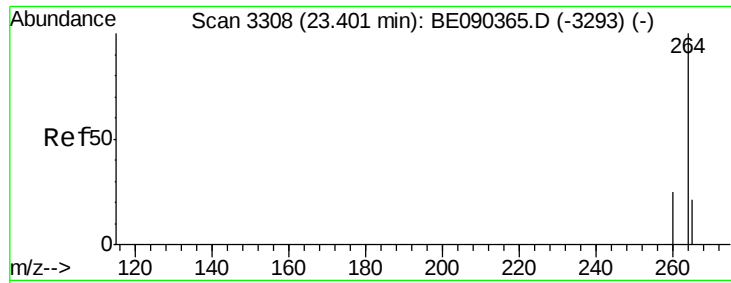
Tot Ion:149 Resp: 2435
 Ion Ratio Lower Upper
 149 100
 167 25.7 19.8 29.8
 279 3.6 2.4 3.6#



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.27 ng
 RT: 25.79 min Scan# 3829
 Delta R.T. 0.00 min
 Lab File: BE090464.D
 Acq: 12 Aug 2015 13:06

Tgt Ion:276 Resp: 600
 Ion Ratio Lower Upper
 276 100
 138 33.0 18.8 28.2#
 277 10.8 18.2 27.4#

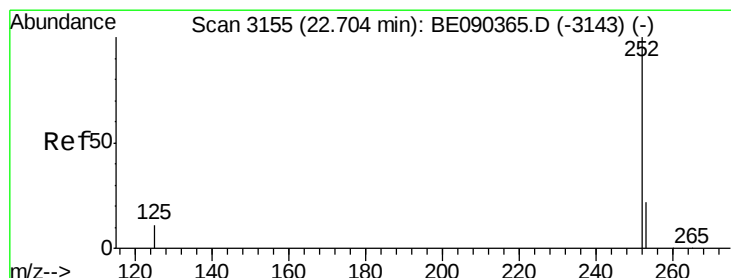
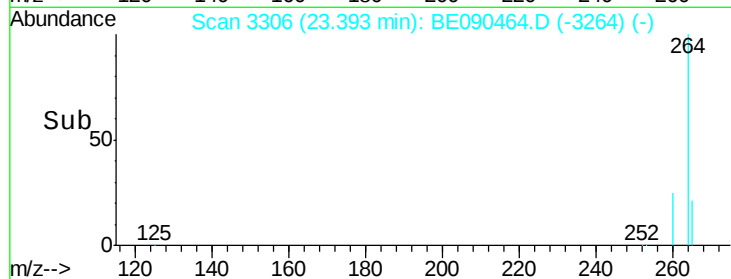
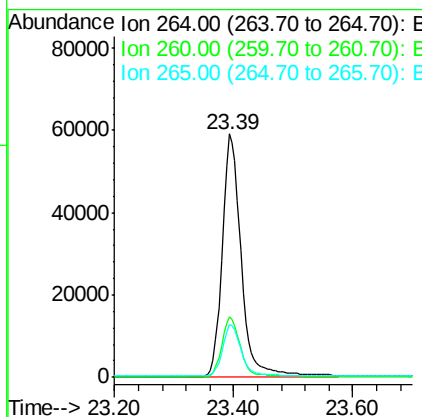
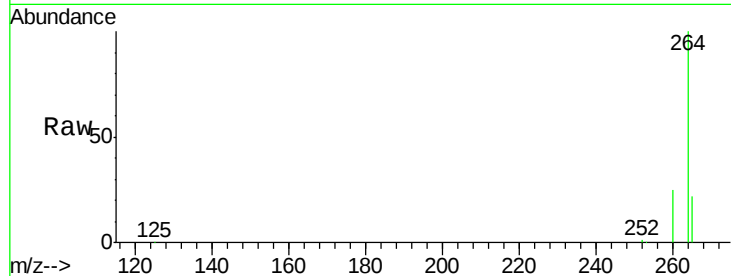




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.39 min Scan# 3306
Delta R.T. -0.01 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

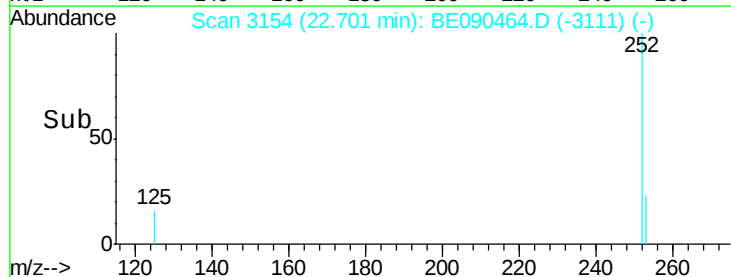
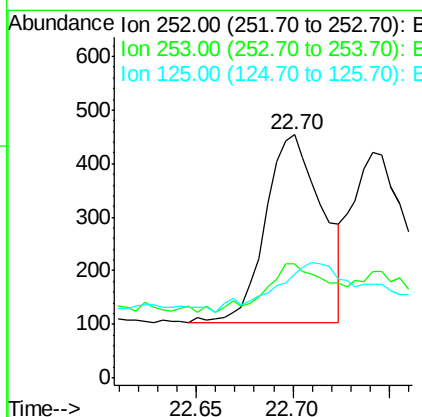
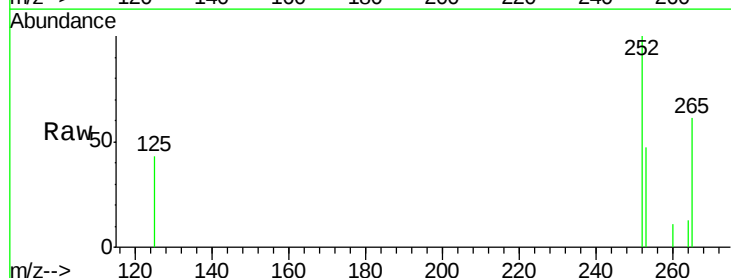
Instrument :
BNA_E
ClientSampleId :

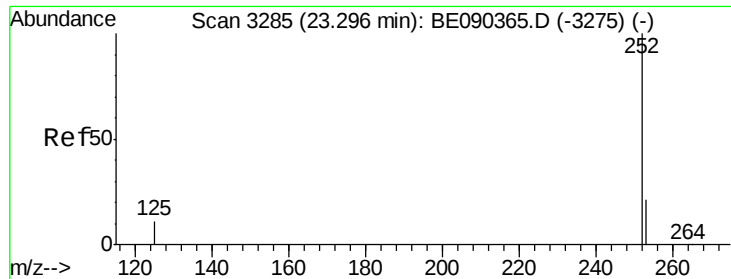
Tot Ion:264 Resp: 132105
Ion Ratio Lower Upper
264 100
260 24.8 20.1 30.1
265 21.6 17.2 25.8



#33
Benzo(b)fluoranthene
Concen: 0.22 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BE090464.D
Acq: 12 Aug 2015 13:06

Tgt Ion:252 Resp: 722
Ion Ratio Lower Upper
252 100
253 46.7 18.1 27.1#
125 42.7 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

Instrument :

BNA_E

ClientSampleId :

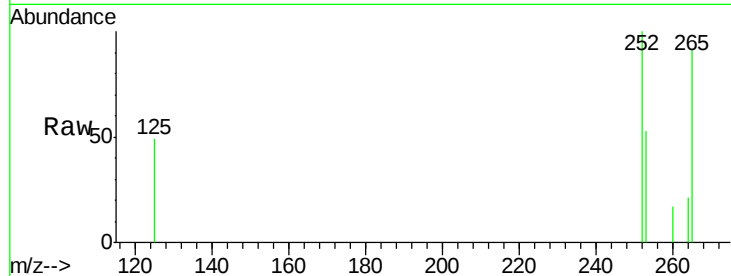
Tot Ion: 252 Resp: 496

Ion Ratio Lower Upper

252 100

253 53.0 17.6 26.4#

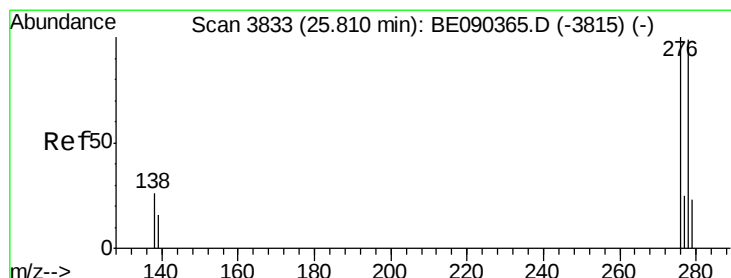
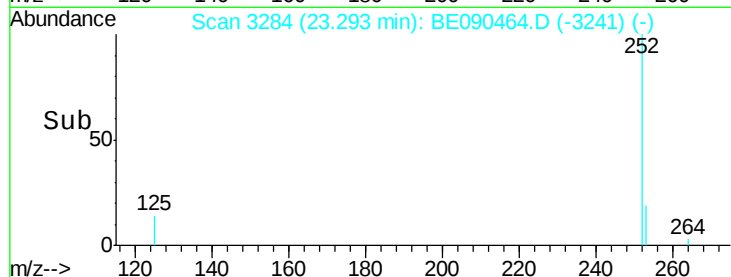
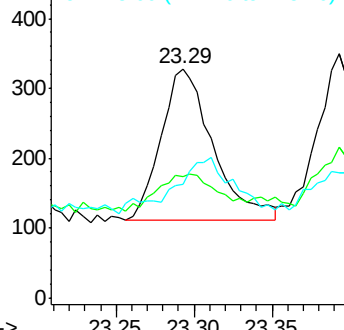
125 49.4 9.8 14.6#



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: 0.30 ng

RT: 25.81 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090464.D

Acq: 12 Aug 2015 13:06

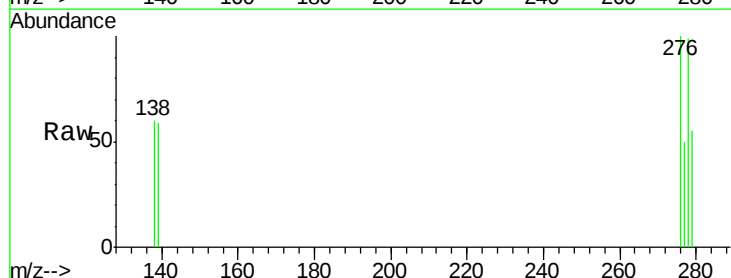
Tgt Ion: 278 Resp: 430

Ion Ratio Lower Upper

278 100

139 59.2 14.2 21.4#

279 55.4 20.1 30.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

