

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090446.D
 Acq On : 12 Aug 2015 2:12
 Operator : UM/IZ
 Sample : PB84962BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84962BL

Quant Time: Aug 12 04:16:31 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	21330	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	96743	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	56018	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	134479	5.00	ng	0.00
25) Chrysene-d12	21.09	240	146322	5.00	ng	0.00
32) Perylene-d12	23.40	264	128000	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	29759	9.30	ng	0.00
5) Phenol-d6	6.77	99	43399	6.31	ng	-0.01
7) Nitrobenzene-d5	8.73	82	24085	3.14	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	8816	5.89	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	59248	3.85	ng	0.00
27) Terphenyl-d14	19.55	244	96254	4.47	ng	-0.01

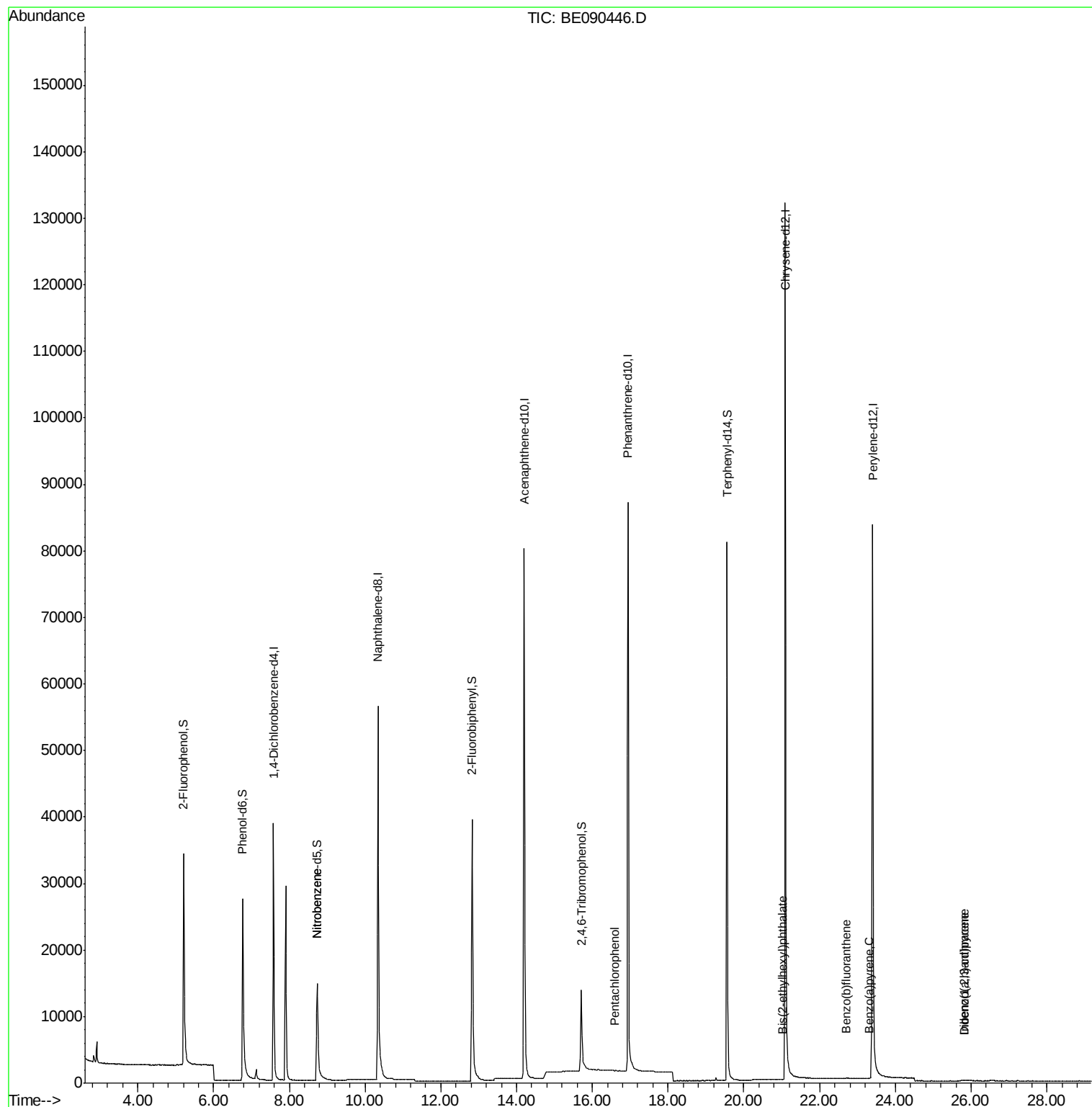
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	19	Below Cal	#	1
8) Nitrobenzene	8.74	77	81	0.22 ng	#	42
10) Hexachlorobutadiene	10.69	225	6	Below Cal	#	40
21) Pentachlorophenol	16.60	266	11	0.10 ng	#	68
30) Bis(2-ethylhexyl)phthalate	21.03	149	29	0.11 ng	#	52
31) Indeno(1,2,3-cd)pyrene	25.80	276	263	0.26 ng	#	68
33) Benzo(b)fluoranthene	22.71	252	93	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	114	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.83	278	190	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: BE090446.D

Acq: 12 Aug 2015 2:12

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BNA_E

ClientSampleId :

PB84962BL

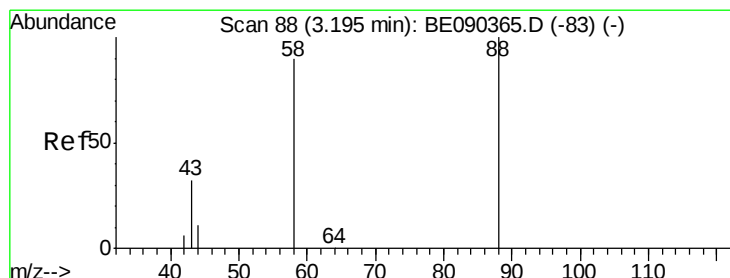
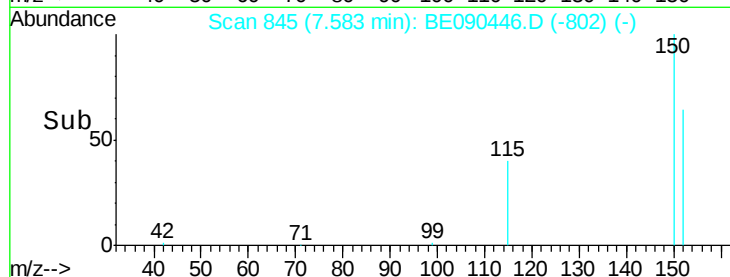
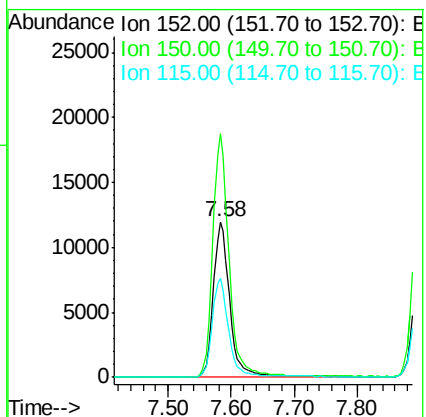
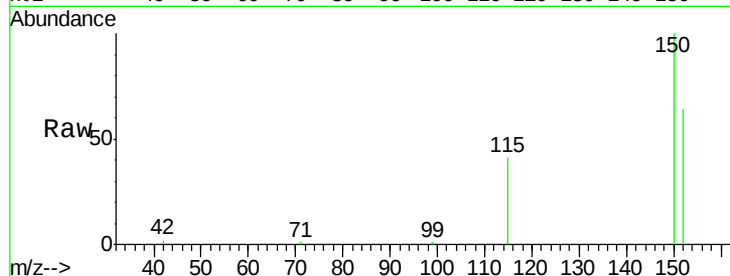
Tgt Ion:152 Resp: 21330

Ion Ratio Lower Upper

152 100

150 156.5 123.0 184.4

115 63.5 48.9 73.3



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.26 min Scan# 98

Delta R.T. 0.07 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

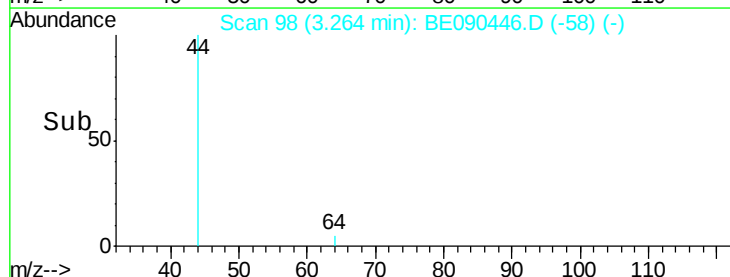
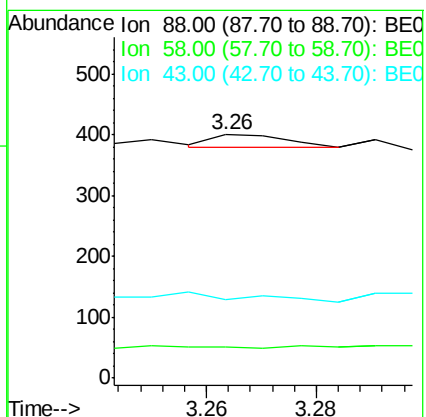
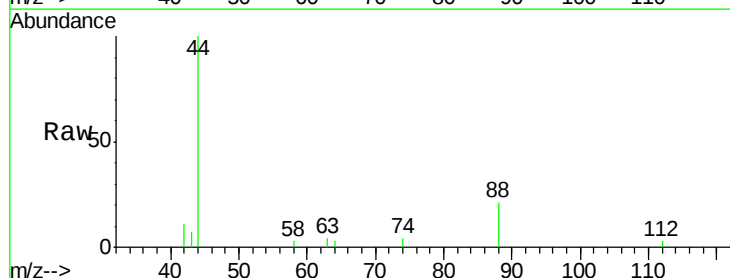
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

43 126.3 28.4 42.6#





#4

2-Fluorophenol

Concen: 9.30 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

Instrument :

BNA_E

ClientSampleId :

PB84962BL

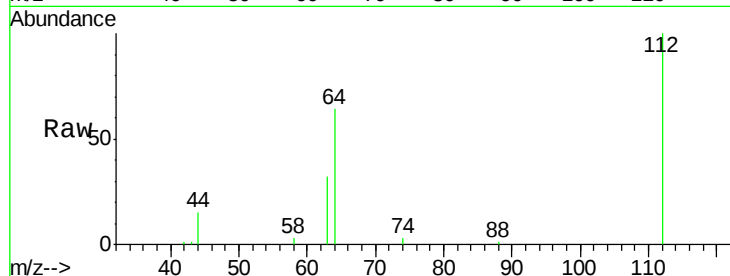
Tgt Ion: 112 Resp: 29759

Ion Ratio Lower Upper

112 100

64 70.3 37.1 55.7#

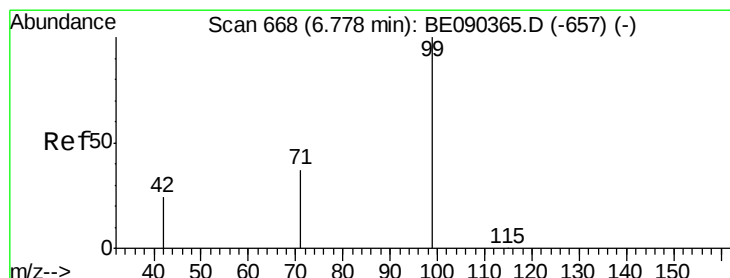
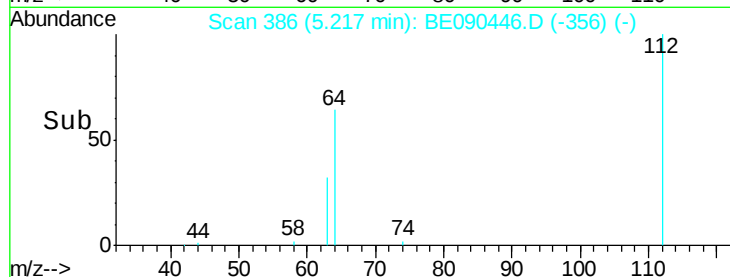
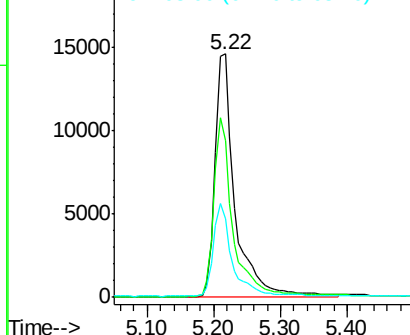
63 36.7 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090365.D (-380) (-)

Ion 64.00 (63.70 to 64.70): BE090365.D (-380) (-)

Ion 63.00 (62.70 to 63.70): BE090365.D (-380) (-)



#5

Phenol-d6

Concen: 6.31 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

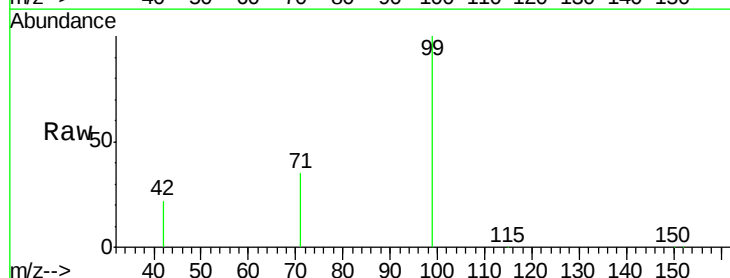
Tgt Ion: 99 Resp: 43399

Ion Ratio Lower Upper

99 100

42 21.7 18.2 27.4

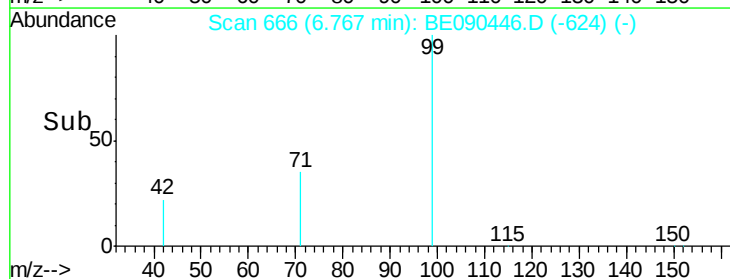
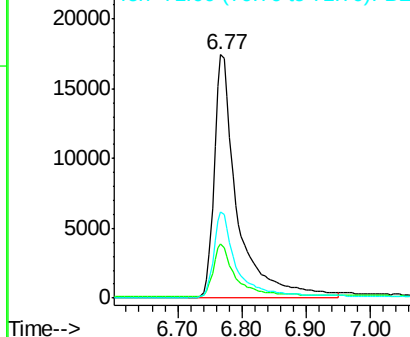
71 35.5 27.4 41.0

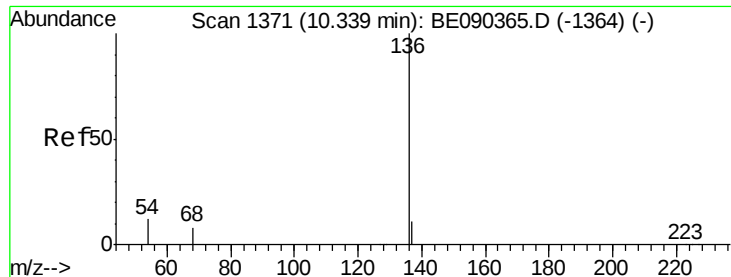


Abundance Ion 99.00 (98.70 to 99.70): BE090365.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BE090365.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BE090365.D (-657) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

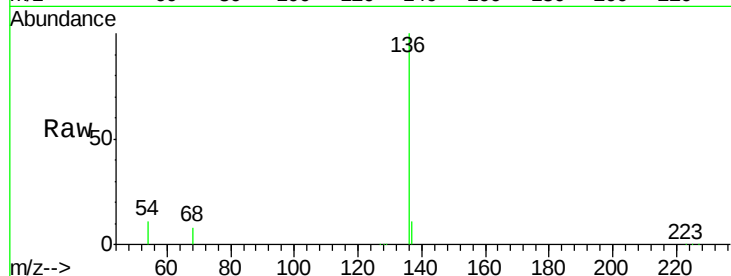
Instrument :

BNA_E

ClientSampleId :

PB84962BL

Tgt Ion:	136	Resp:	96743
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.5	9.4	14.0
68	8.3	6.5	9.7

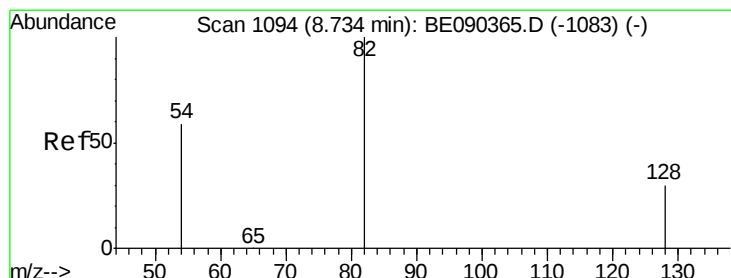
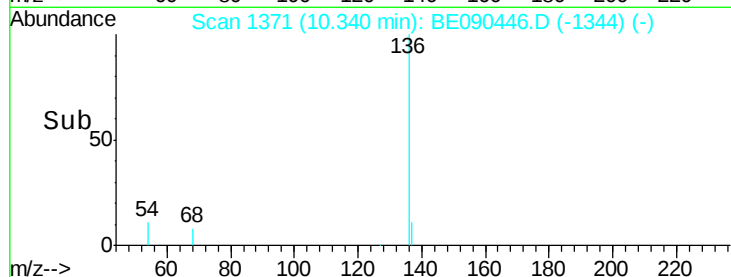
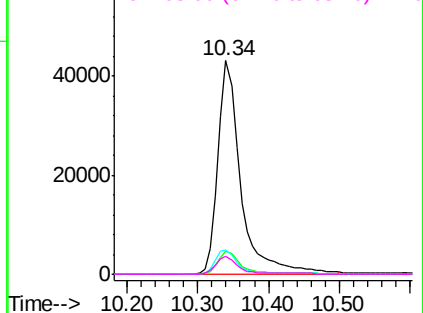


Abundance Ion 136.00 (135.70 to 136.70): BE090446.D (-1364) (-)

Ion 137.00 (136.70 to 137.70): BE090446.D (-1364) (-)

Ion 54.00 (53.70 to 54.70): BE090446.D (-1364) (-)

Ion 68.00 (67.70 to 68.70): BE090446.D (-1364) (-)



#7

Nitrobenzene-d5

Concen: 3.14 ng

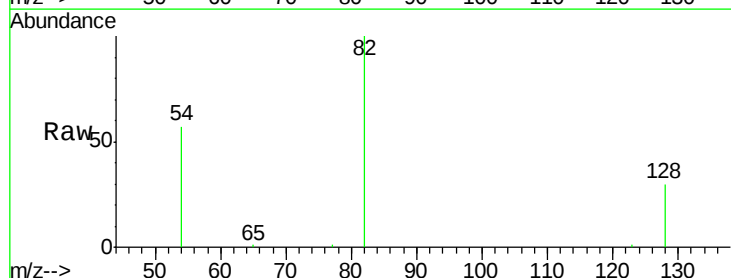
RT: 8.73 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

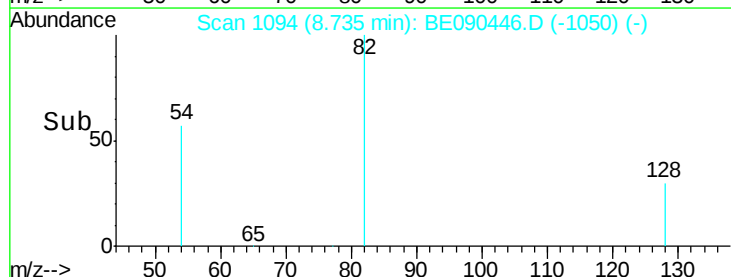
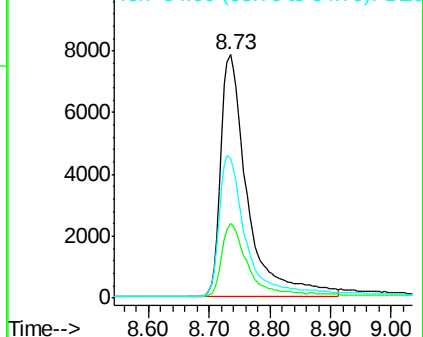
Tgt Ion:	82	Resp:	24085
Ion	Ratio	Lower	Upper
82	100		
128	30.5	25.0	37.6
54	57.5	48.8	73.2

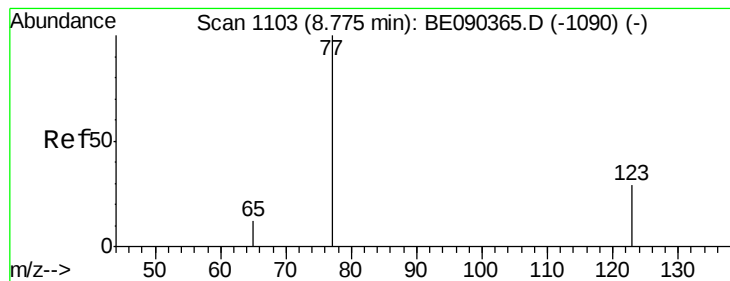


Abundance Ion 82.00 (81.70 to 82.70): BE090446.D (-1050) (-)

Ion 128.00 (127.70 to 128.70): BE090446.D (-1050) (-)

Ion 54.00 (53.70 to 54.70): BE090446.D (-1050) (-)





#8

Nitrobenzene

Concen: 0.22 ng

RT: 8.74 min Scan# 1095

Delta R.T. -0.03 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

Instrument :

BNA_E

ClientSampled :

PB84962BL

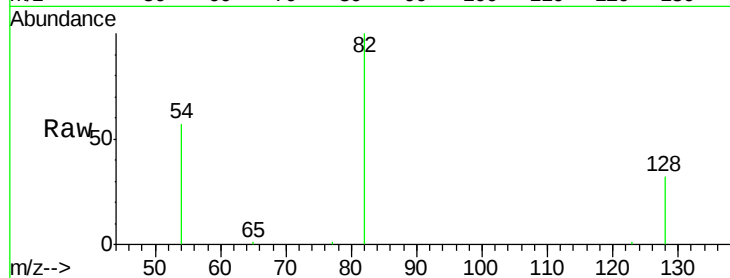
Tgt Ion: 77 Resp: 81

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

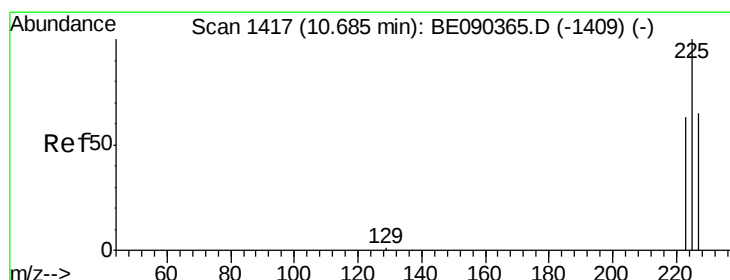
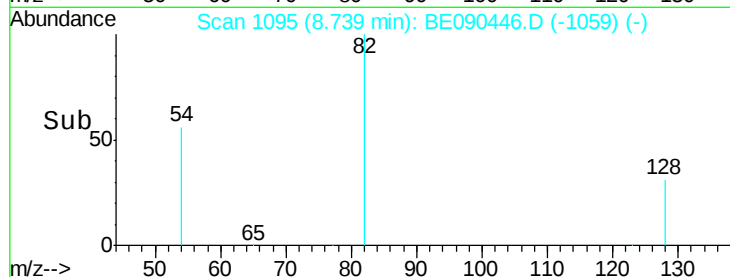
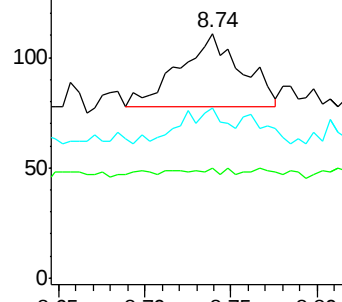
65 35.8 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.69 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

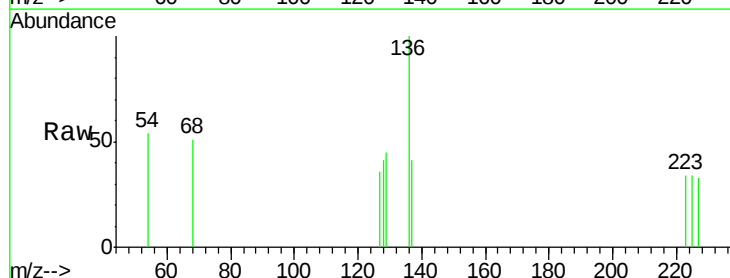
Tgt Ion: 225 Resp: 6

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

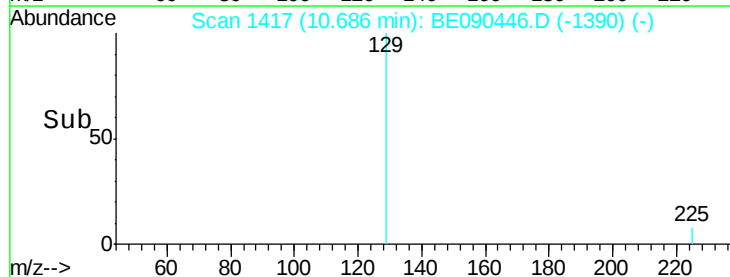
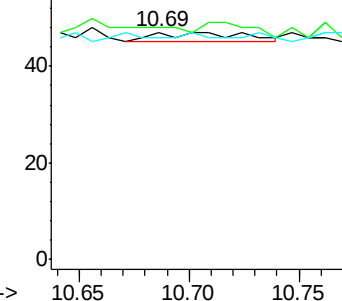
227 33.3 50.7 76.1#

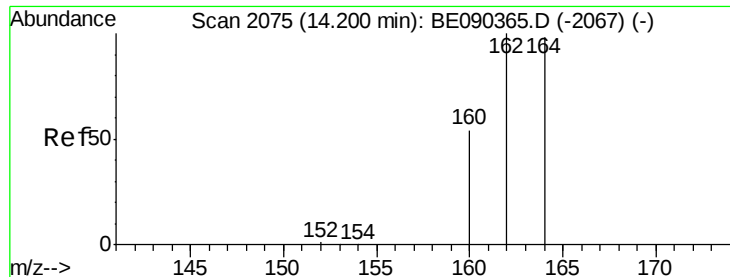


Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

Instrument :

BNA_E

ClientSampleId :

PB84962BL

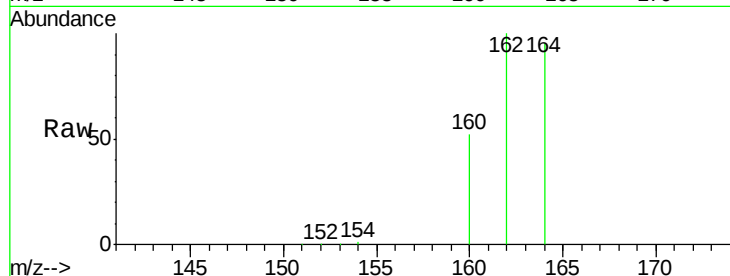
Tgt Ion:164 Resp: 56018

Ion Ratio Lower Upper

164 100

162 105.2 81.8 122.8

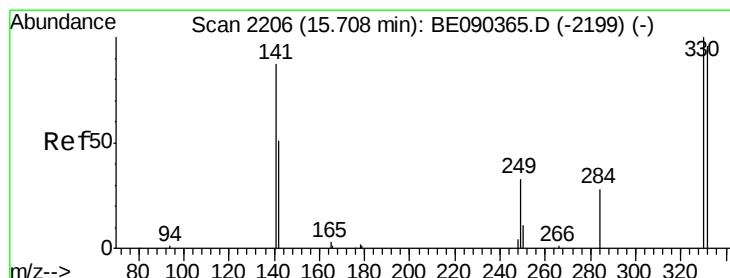
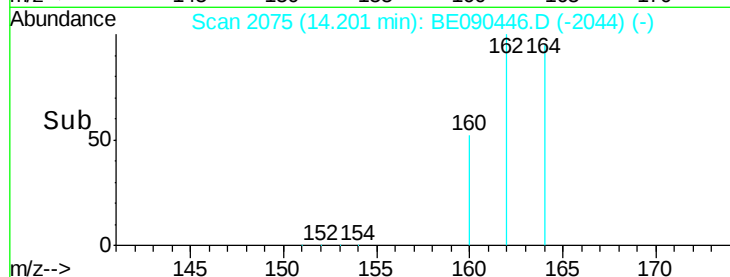
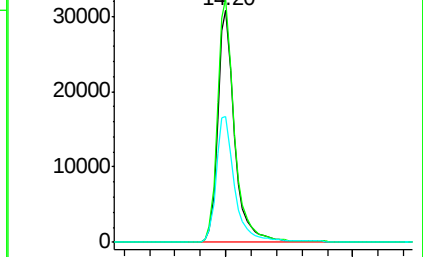
160 54.3 44.2 66.4



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: 5.89 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

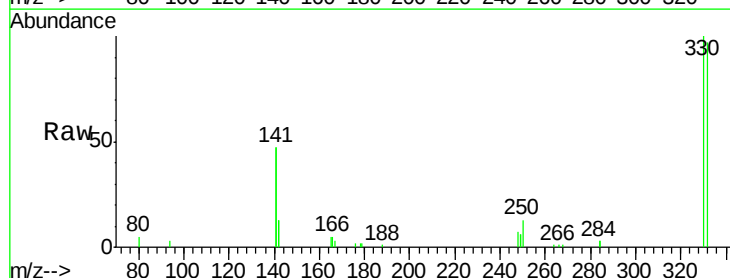
Tgt Ion:330 Resp: 8816

Ion Ratio Lower Upper

330 100

332 96.3 75.8 113.6

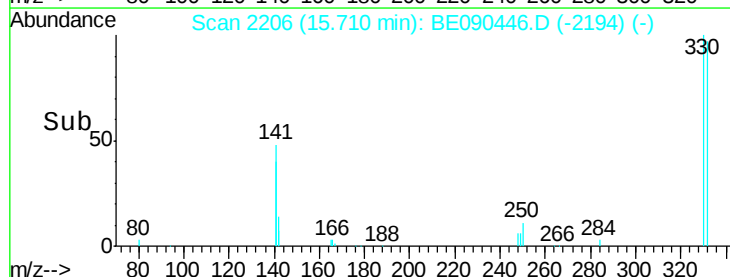
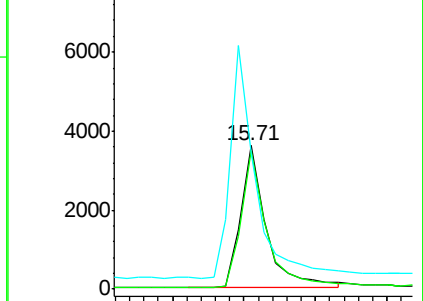
141 163.1 114.4 171.6



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

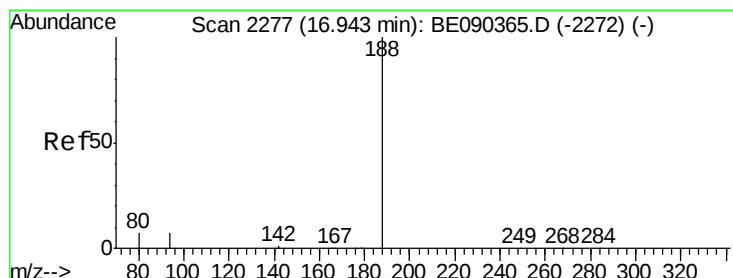
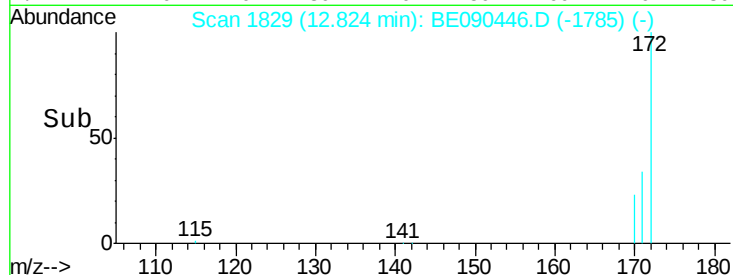
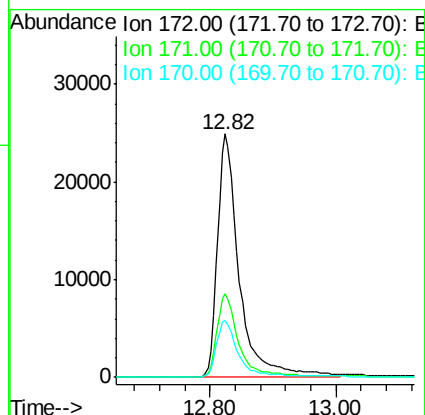
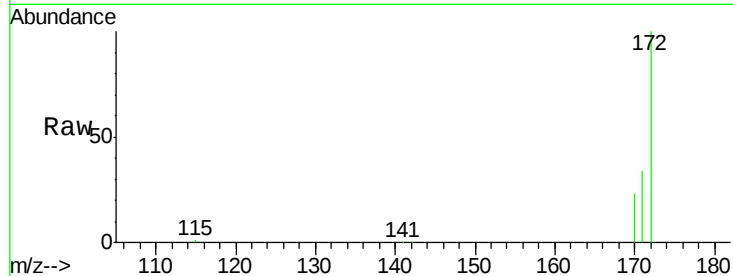




#14
2-Fluorobiphenyl
Concen: 3.85 ng
RT: 12.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BE090446.D
Acq: 12 Aug 2015 2:12

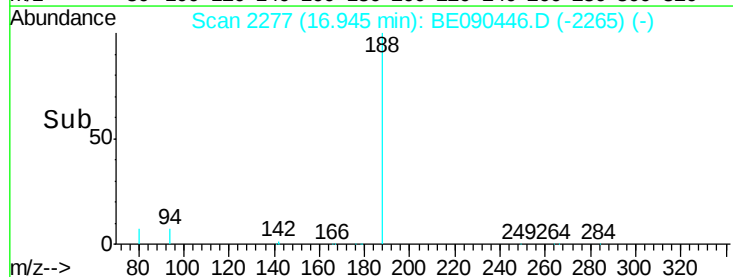
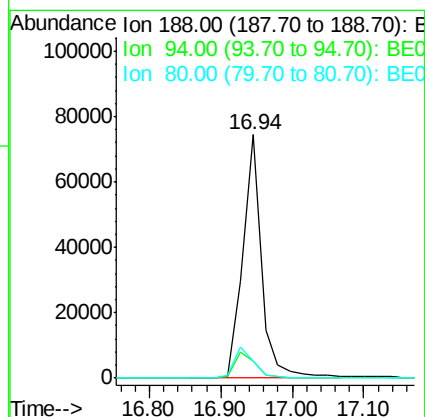
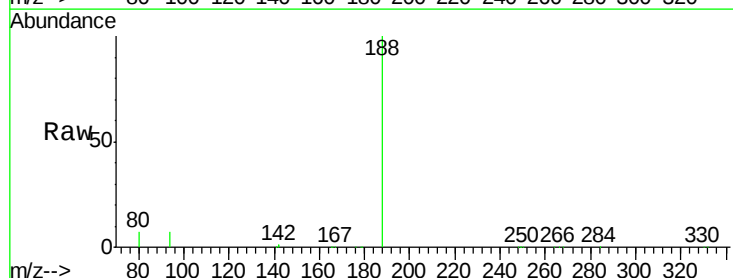
Instrument :
BNA_E
ClientSampleId :
PB84962BL

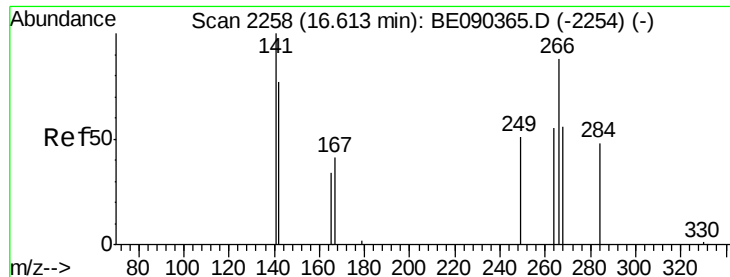
Tgt Ion:172 Resp: 59248
Ion Ratio Lower Upper
172 100
171 34.3 28.5 42.7
170 23.1 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090446.D
Acq: 12 Aug 2015 2:12

Tgt Ion:188 Resp: 134479
Ion Ratio Lower Upper
188 100
94 6.8 5.7 8.5
80 7.2 5.8 8.8





#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

Instrument :

BNA_E

ClientSampleId :

PB84962BL

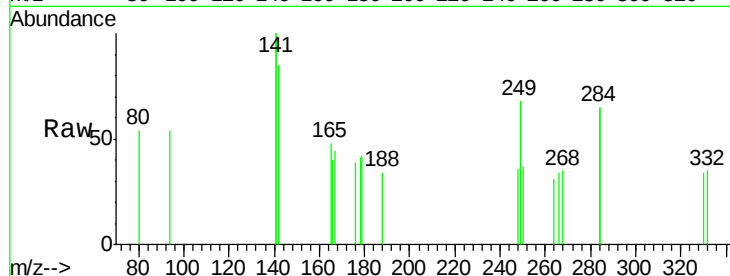
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

268 104.1 58.5 87.7#

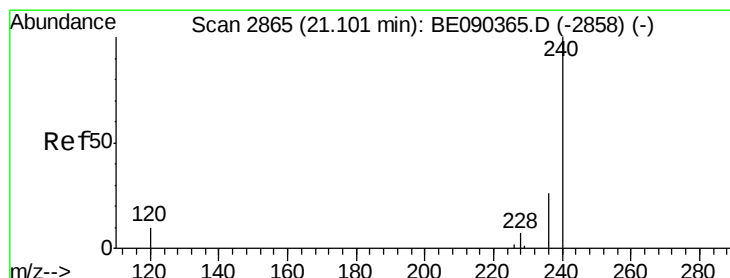
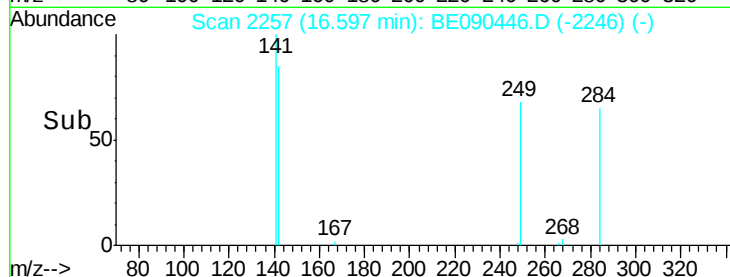
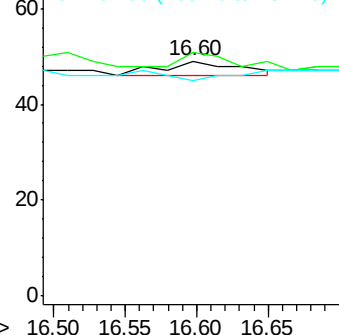
264 91.8 56.0 84.0#



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

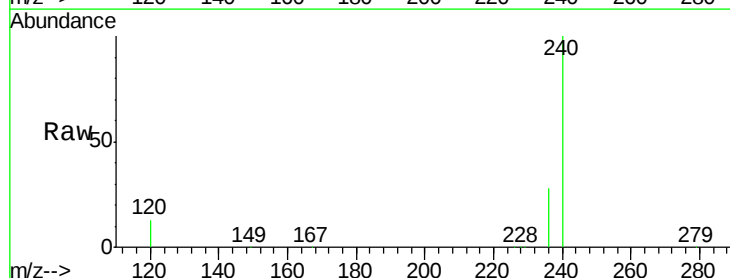
Tgt Ion:240 Resp: 146322

Ion Ratio Lower Upper

240 100

120 13.4 8.3 12.5#

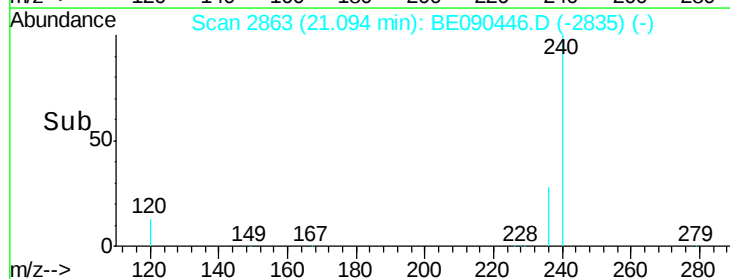
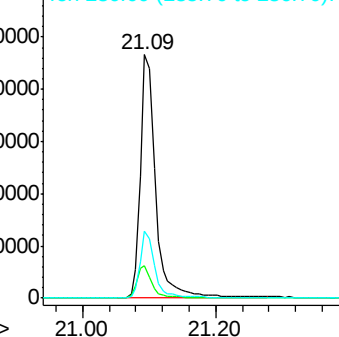
236 27.6 21.0 31.4

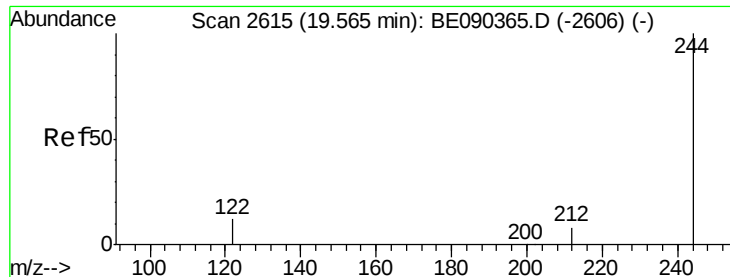


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 4.47 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

Instrument :

BNA_E

ClientSampled :

PB84962BL

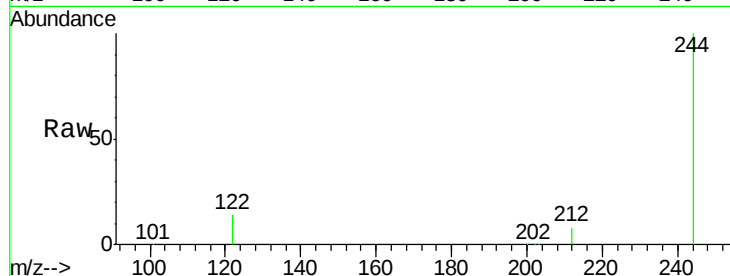
Tgt Ion:244 Resp: 96254

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

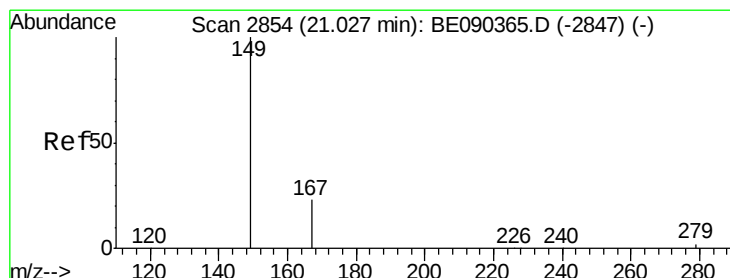
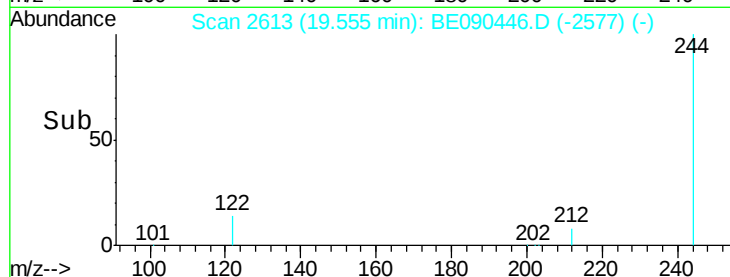
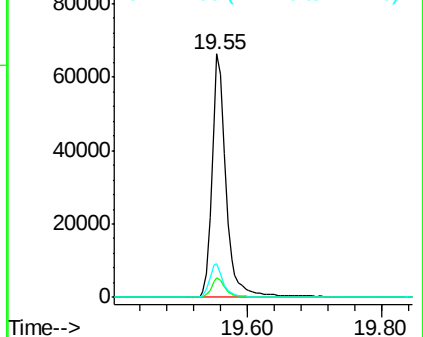
122 13.6 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

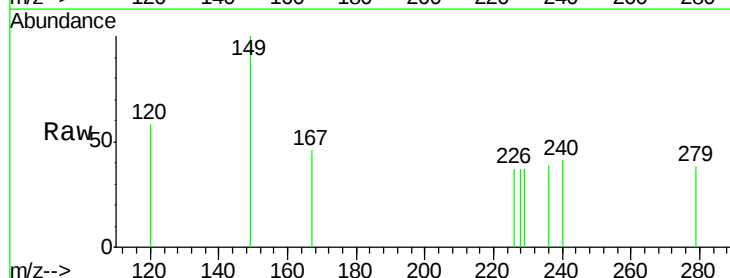
Tgt Ion:149 Resp: 29

Ion Ratio Lower Upper

149 100

167 0.0 19.8 29.8#

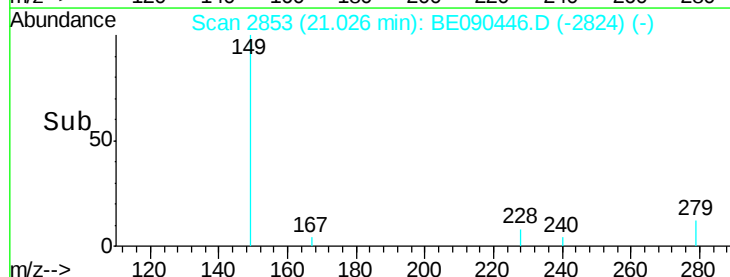
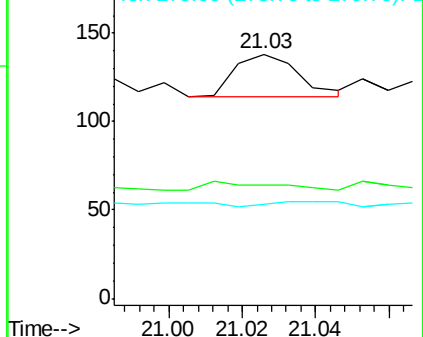
279 13.8 2.4 3.6#

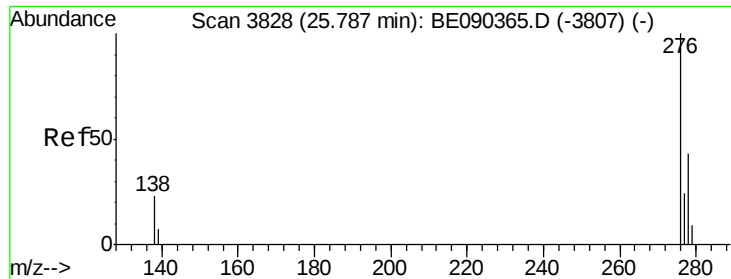


Abundance Ion 149.00 (148.70 to 149.70): E

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: 25.80 min Scan# 3832

Delta R.T. 0.02 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

Instrument :

BNA_E

ClientSampleId :

PB84962BL

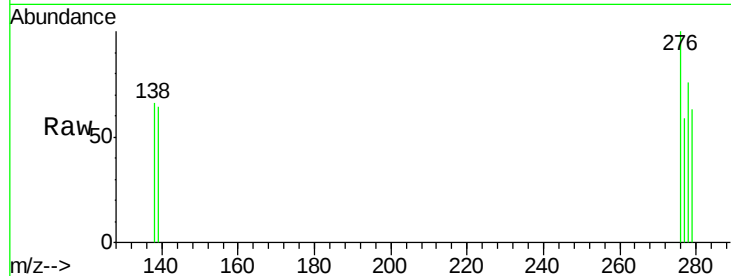
Tgt Ion: 276 Resp: 263

Ion Ratio Lower Upper

276 100

138 0.0 18.8 28.2#

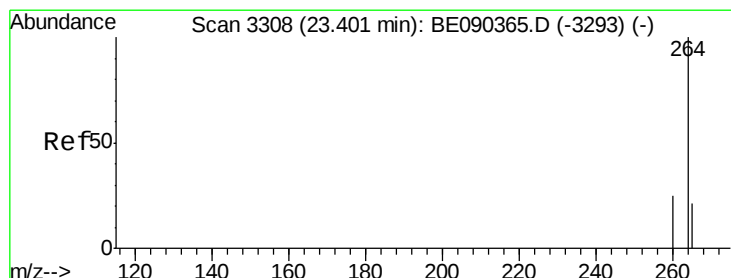
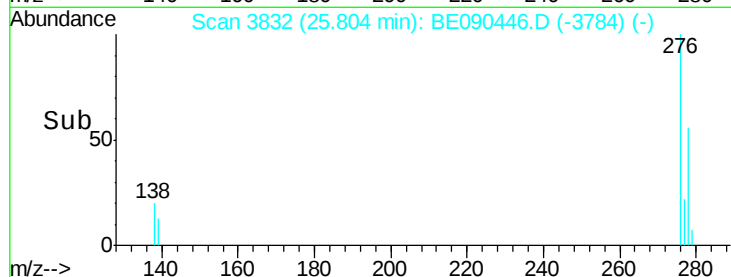
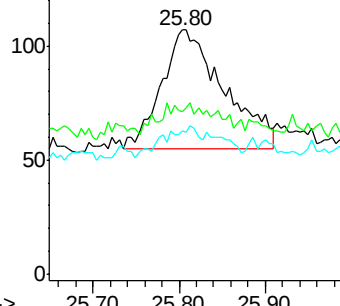
277 15.2 18.2 27.4#



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

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

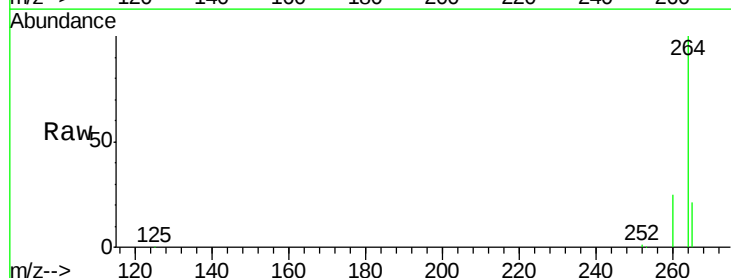
Tgt Ion: 264 Resp: 128000

Ion Ratio Lower Upper

264 100

260 24.7 20.1 30.1

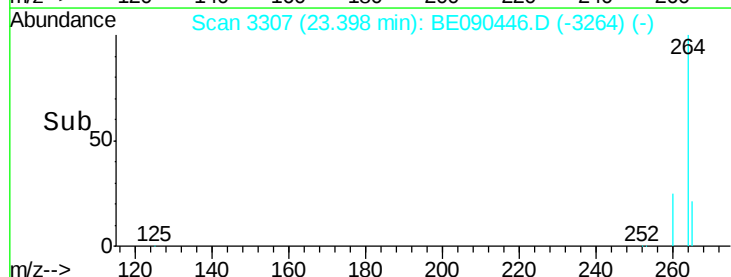
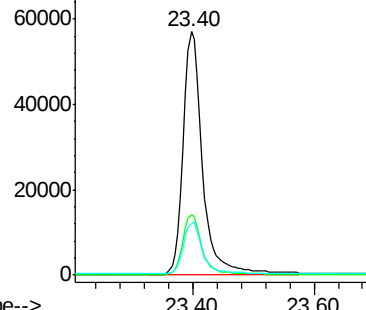
265 21.5 17.2 25.8

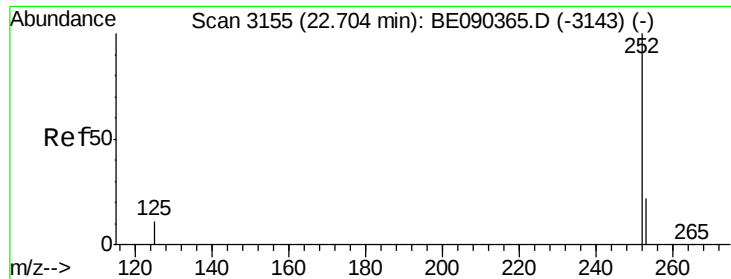


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

Instrument :

BNA_E

ClientSampleId :

PB84962BL

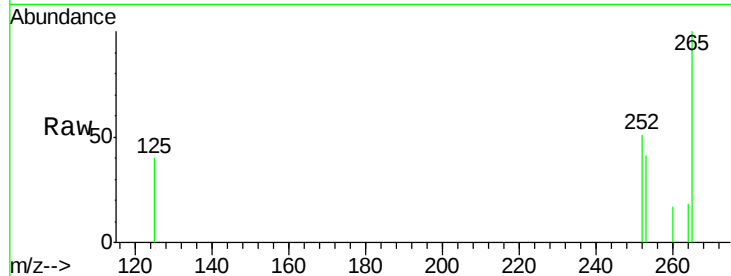
Tgt Ion: 252 Resp: 93

Ion Ratio Lower Upper

252 100

253 79.3 18.1 27.1#

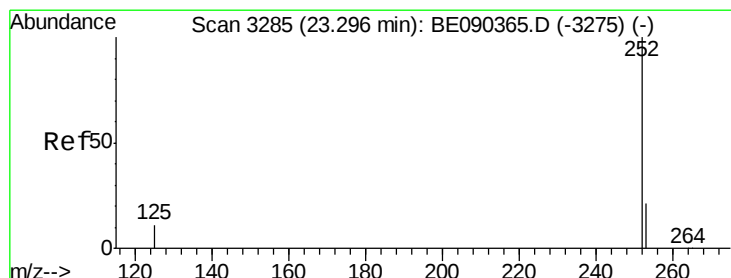
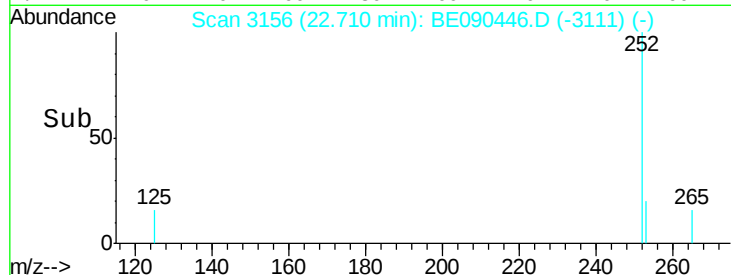
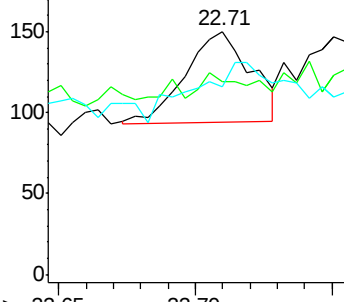
125 77.3 9.4 14.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090446.D

Acq: 12 Aug 2015 2:12

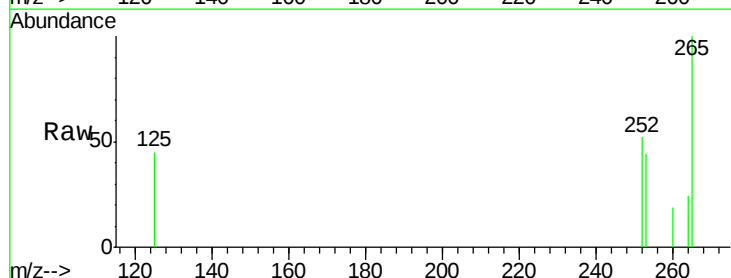
Tgt Ion: 252 Resp: 114

Ion Ratio Lower Upper

252 100

253 83.6 17.6 26.4#

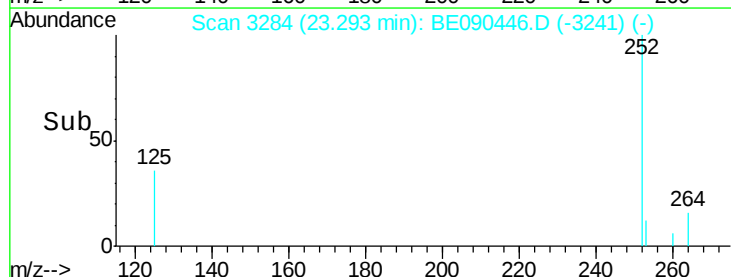
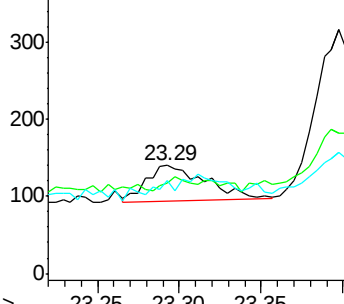
125 85.7 9.8 14.6#

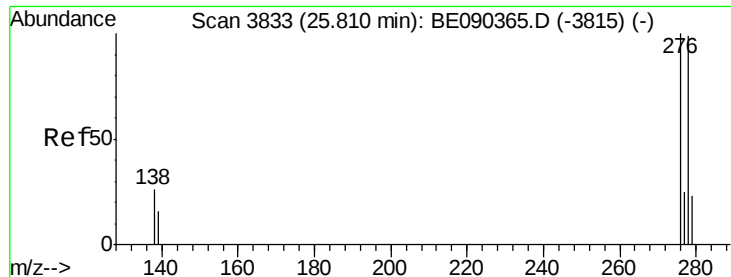


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.83 min Scan# 3837

Delta R.T. 0.02 min

Lab File: BE090446.D

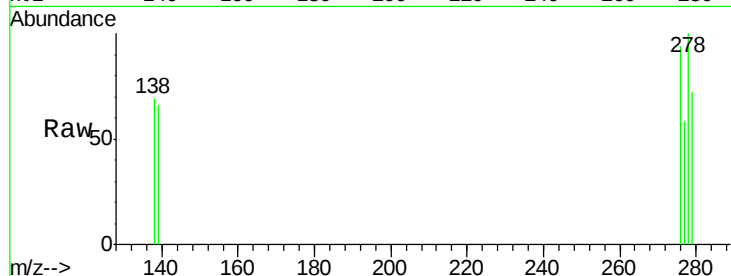
Acq: 12 Aug 2015 2:12

Instrument :

BNA_E

ClientSampleId :

PB84962BL



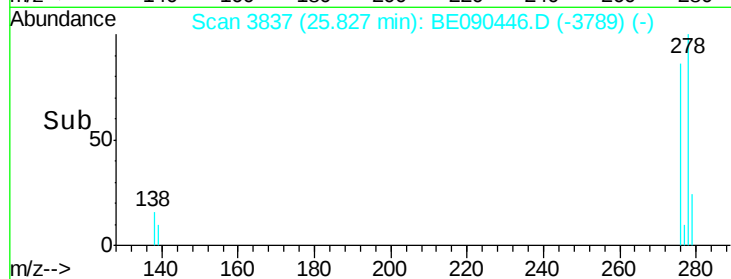
Tgt Ion: 278 Resp: 190

Ion Ratio Lower Upper

278 100

139 65.7 14.2 21.4#

279 71.6 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

