

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080715\
 Data File : BE090398.D
 Acq On : 7 Aug 2015 15:26
 Operator : TP/UM
 Sample : PB84826BL
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BL

Quant Time: Aug 07 23:04:20 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	18874	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	80255	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	45151	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	112008	5.00	ng	0.00
25) Chrysene-d12	21.10	240	126982	5.00	ng	0.00
32) Perylene-d12	23.40	264	108525	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	23595	8.33	ng	0.00
5) Phenol-d6	6.77	99	34993	5.77	ng	0.00
7) Nitrobenzene-d5	8.74	82	21016	3.29	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	4675	4.35	ng	0.00
14) 2-Fluorobiphenyl	12.83	172	52124	4.20	ng	0.00
27) Terphenyl-d14	19.56	244	91333	4.88	ng	0.00

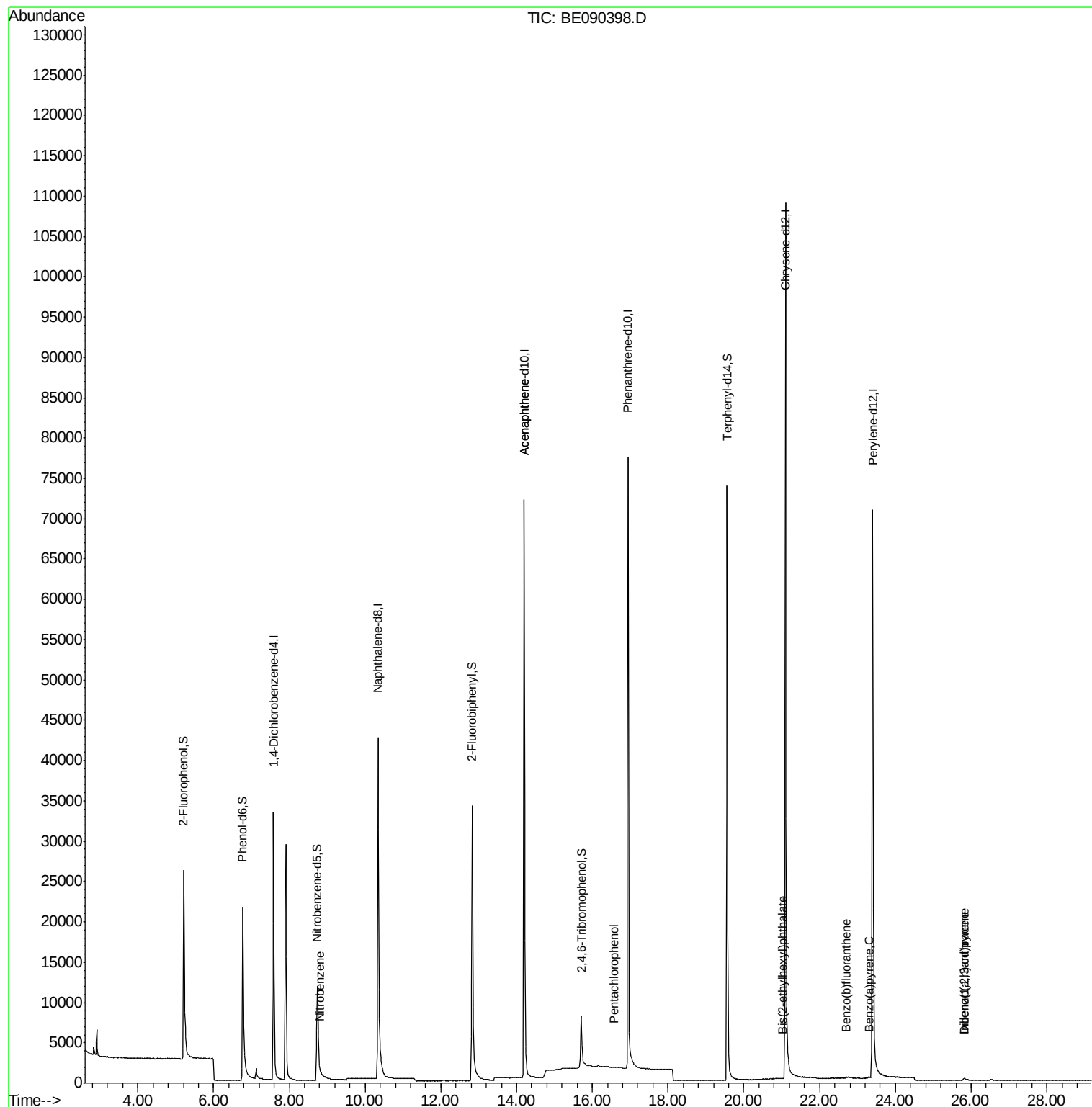
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	24	Below Cal	#	28
8) Nitrobenzene	8.80	77	7	0.21 ng	#	44
10) Hexachlorobutadiene	10.70	225	4	Below Cal	#	52
16) Acenaphthene	14.20	154	236	0.02 ng	#	1
21) Pentachlorophenol	16.56	266	8	0.10 ng	#	69
30) Bis(2-ethylhexyl)phthalate	21.03	149	84	0.12 ng	#	94
31) Indeno(1,2,3-cd)pyrene	25.80	276	530	0.27 ng	#	74
33) Benzo(b)fluoranthene	22.71	252	205	0.20 ng	#	19
35) Benzo(a)pyrene	23.30	252	268	0.24 ng	#	5
36) Dibenzo(a,h)anthracene	25.83	278	381	0.30 ng	#	31

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

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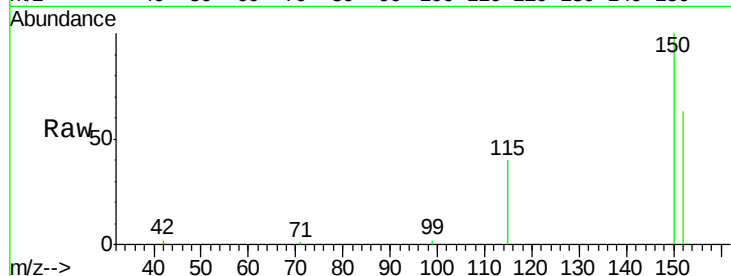


#1

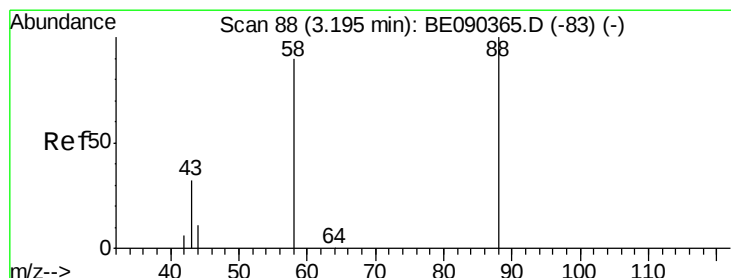
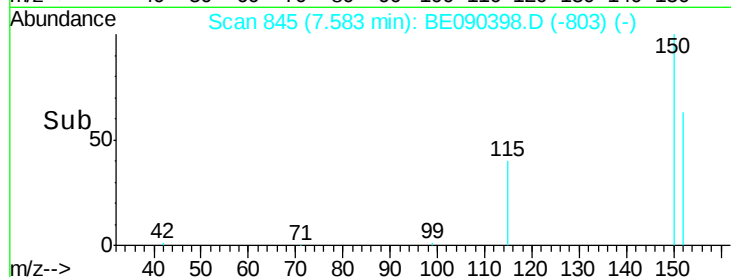
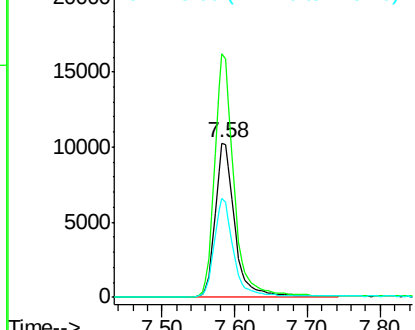
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090398.D
Acq: 7 Aug 2015 15:26

Instrument :
BNA_E
ClientSampleId :
PB84826BL

Tgt Ion: 152 Resp: 18874
Ion Ratio Lower Upper
152 100
150 157.9 123.0 184.4
115 63.9 48.9 73.3



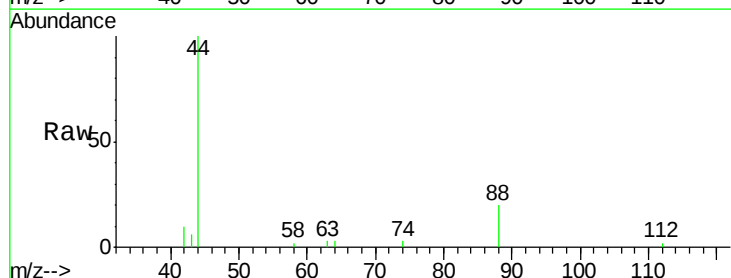
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



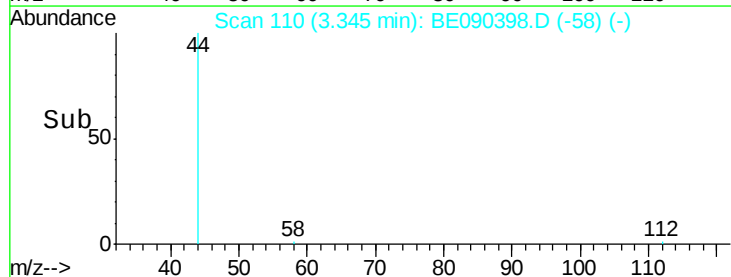
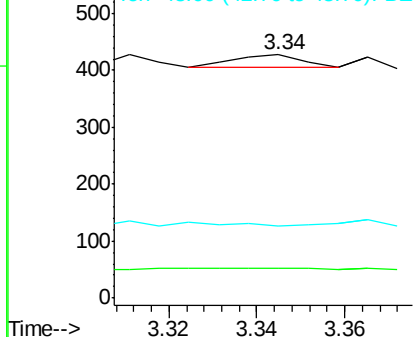
#2

1,4-Dioxane
Concen: Below Cal
RT: 3.34 min Scan# 110
Delta R.T. 0.15 min
Lab File: BE090398.D
Acq: 7 Aug 2015 15:26

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
58 16.7 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: 8.33 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

Instrument :

BNA_E

ClientSampled :

PB84826BL

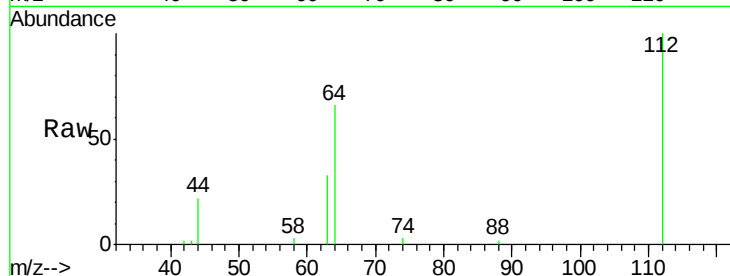
Tgt Ion: 112 Resp: 23595

Ion Ratio Lower Upper

112 100

64 71.3 37.1 55.7#

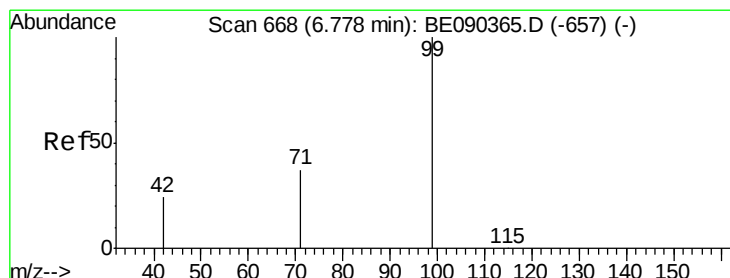
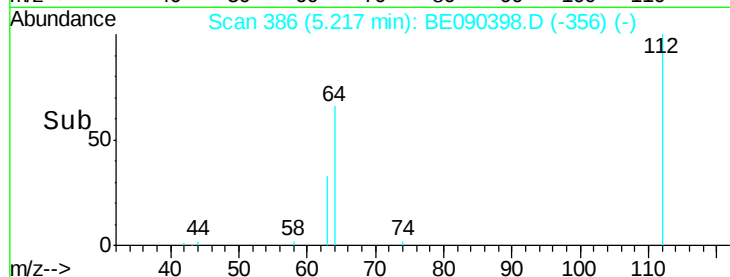
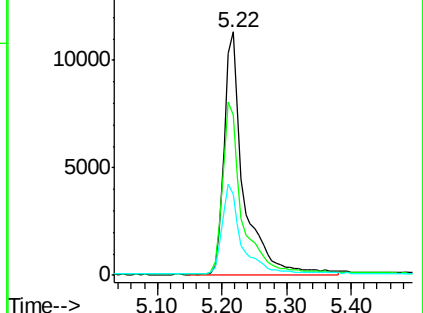
63 37.5 19.5 29.3#



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: 5.77 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

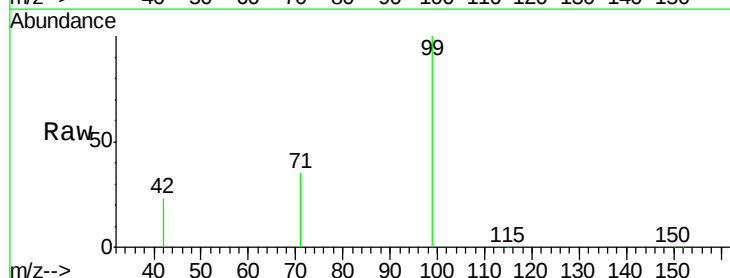
Tgt Ion: 99 Resp: 34993

Ion Ratio Lower Upper

99 100

42 22.4 18.2 27.4

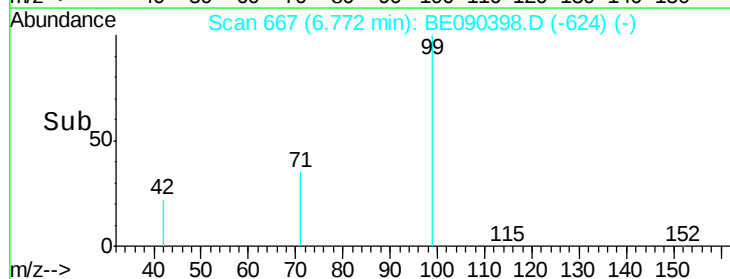
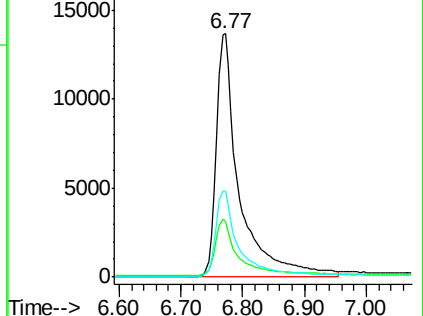
71 35.5 27.4 41.0

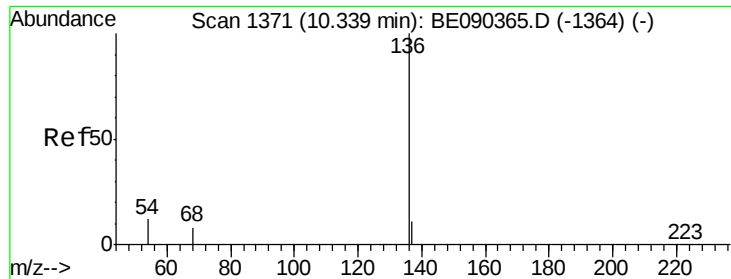


Abundance Ion 99.00 (98.70 to 99.70): BE090365.D (-657) (-)

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

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

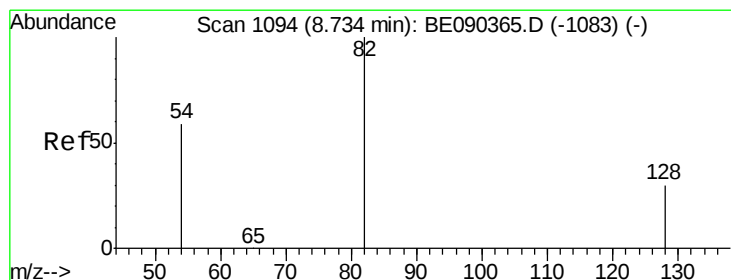
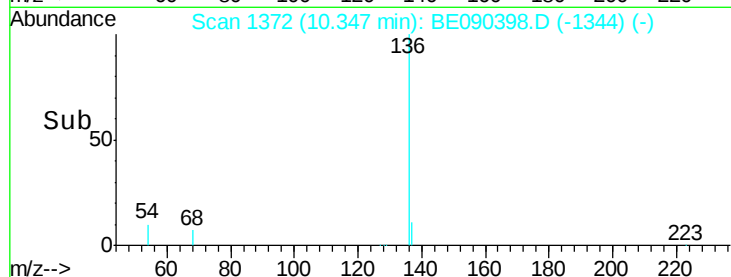
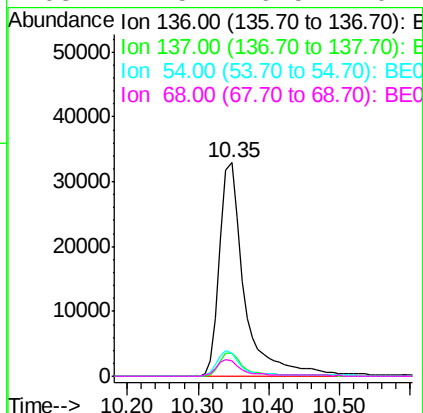
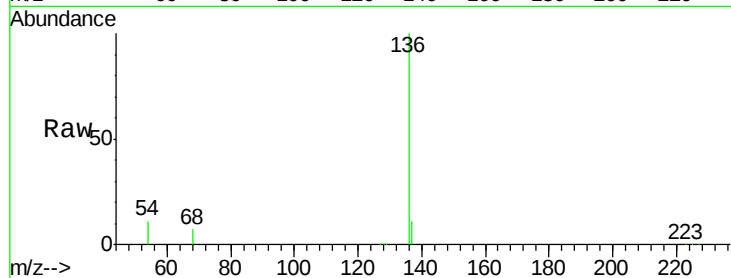




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.35 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BE090398.D
Acq: 7 Aug 2015 15:26

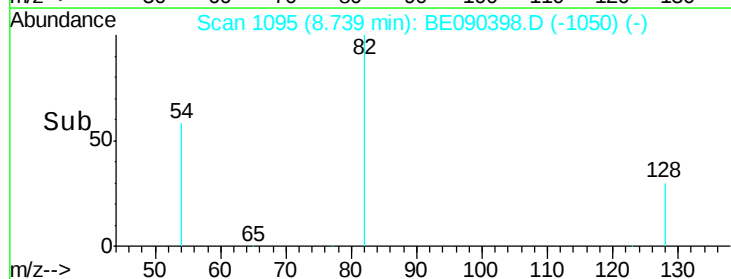
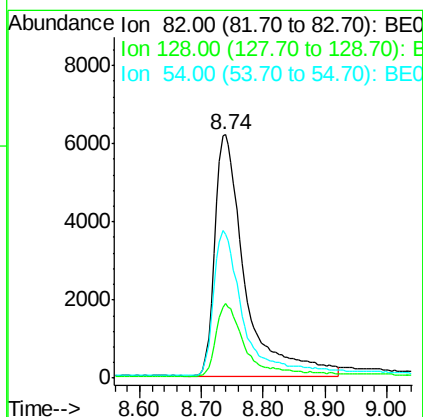
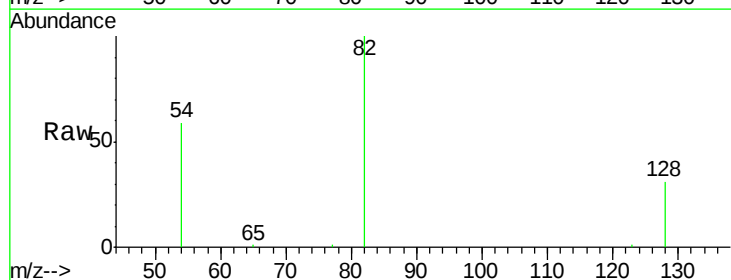
Instrument :
BNA_E
ClientSampleId :
PB84826BL

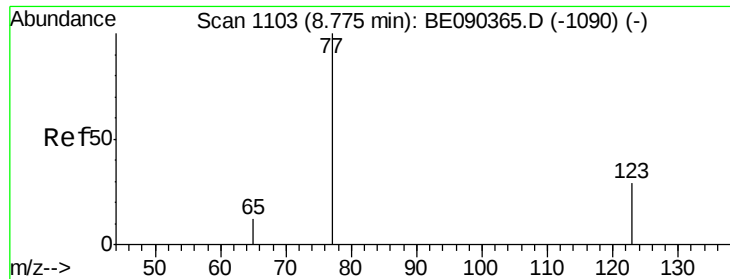
Tgt Ion:	136	Resp:	80255
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.5	9.4	14.0
68	7.5	6.5	9.7



#7
Nitrobenzene-d5
Concen: 3.29 ng
RT: 8.74 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BE090398.D
Acq: 7 Aug 2015 15:26

Tgt Ion:	82	Resp:	21016
Ion	Ratio	Lower	Upper
82	100		
128	30.7	25.0	37.6
54	58.9	48.8	73.2





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.80 min Scan# 1109

Delta R.T. 0.03 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

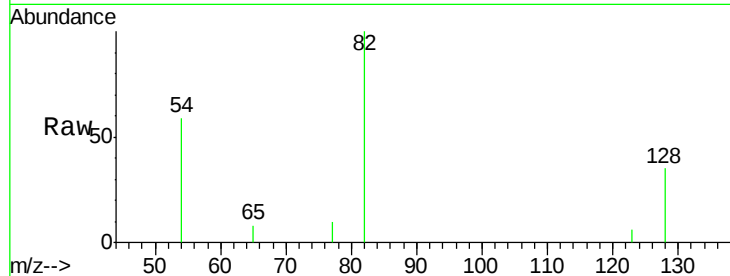
Instrument :

BNA_E

ClientSampled :

PB84826BL

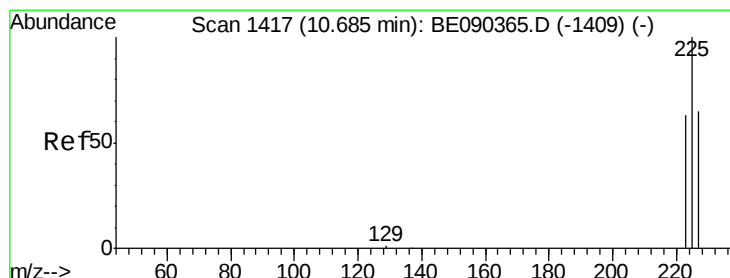
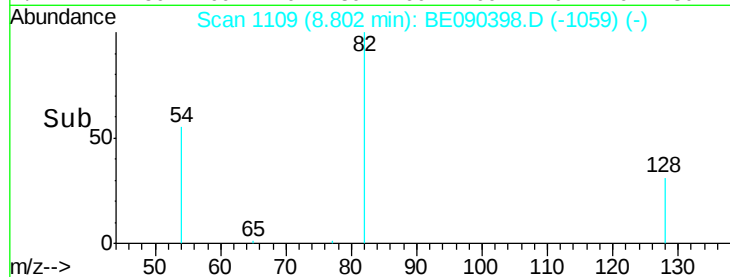
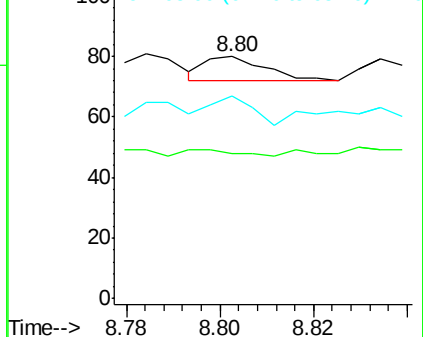
Tgt Ion:	77	Resp:	7
Ion	Ratio	Lower	Upper
77	100		
123	28.6	25.1	37.7
65	85.7	9.3	13.9#



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

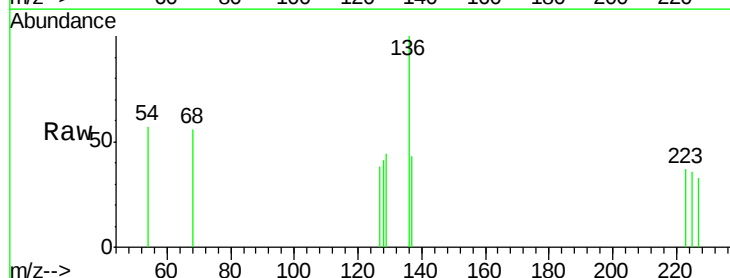
RT: 10.70 min Scan# 1419

Delta R.T. 0.02 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

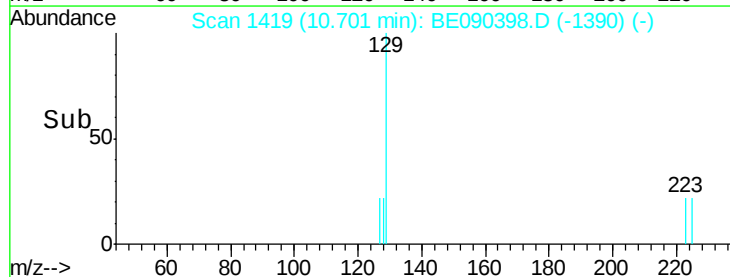
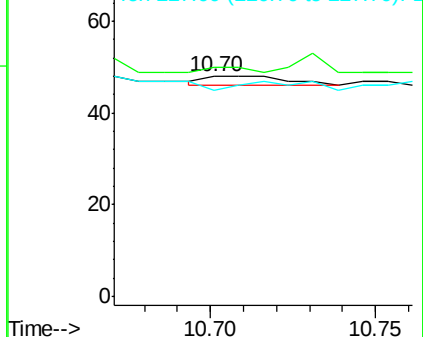
Tgt Ion:	225	Resp:	4
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	75.8#
227	75.0	50.7	76.1

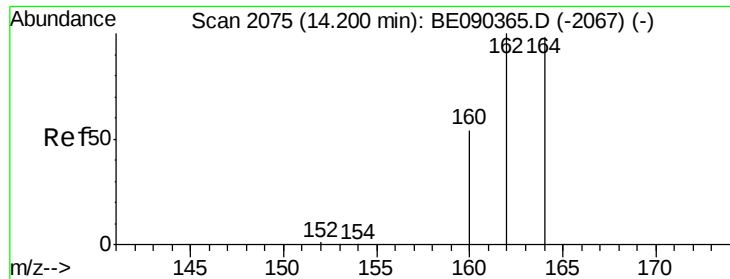


Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

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

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

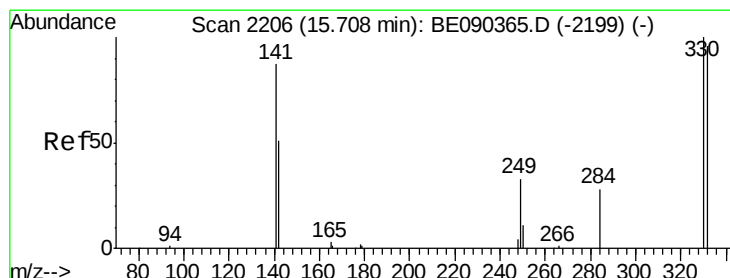
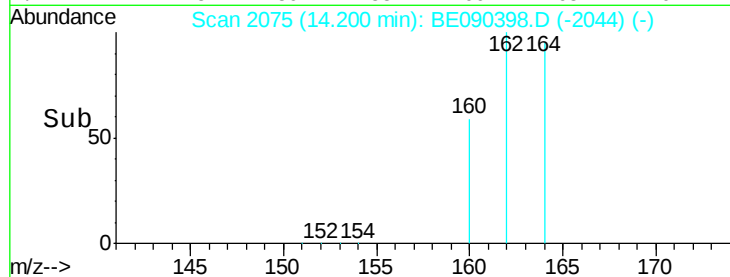
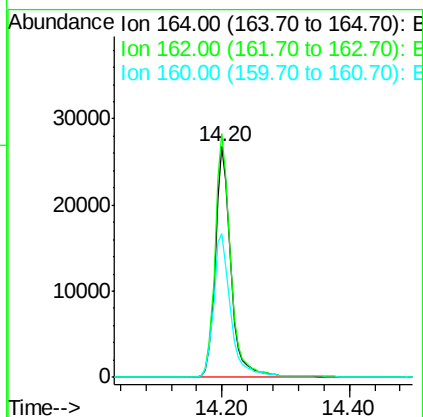
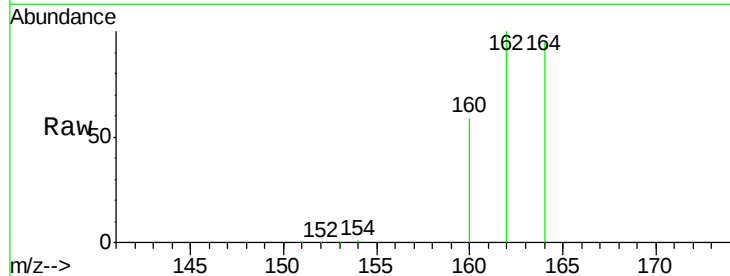




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090398.D
Acq: 7 Aug 2015 15:26

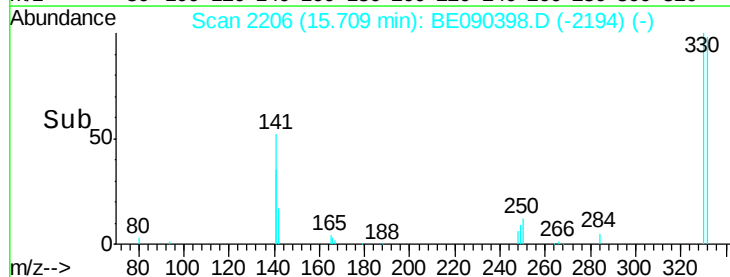
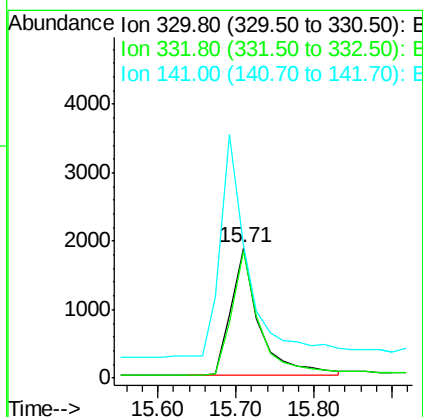
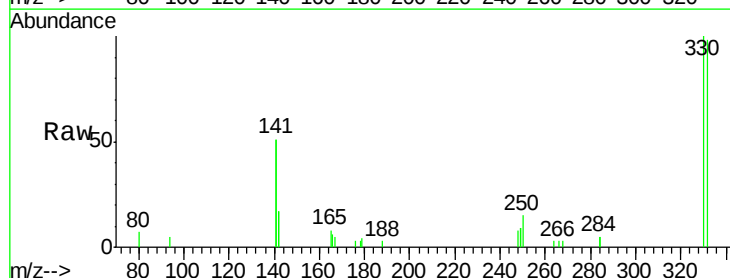
Instrument :
BNA_E
ClientSampleId :
PB84826BL

Tgt Ion:164 Resp: 45151
Ion Ratio Lower Upper
164 100
162 105.6 81.8 122.8
160 62.3 44.2 66.4



#13
2,4,6-Tribromophenol
Concen: 4.35 ng
RT: 15.71 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE090398.D
Acq: 7 Aug 2015 15:26

Tgt Ion:330 Resp: 4675
Ion Ratio Lower Upper
330 100
332 97.2 75.8 113.6
141 174.9 114.4 171.6#

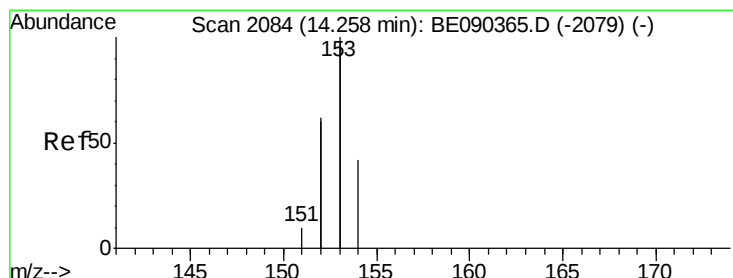
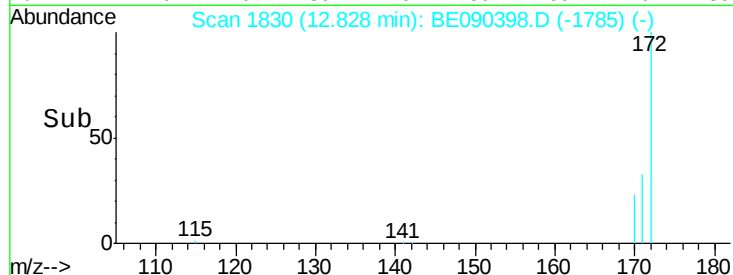
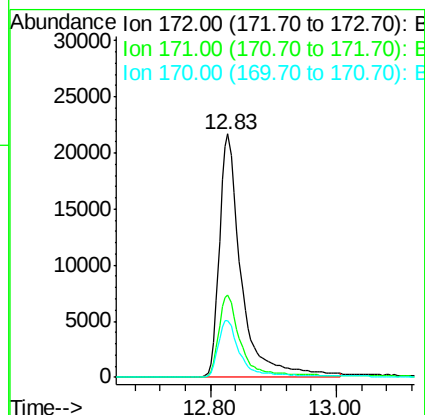
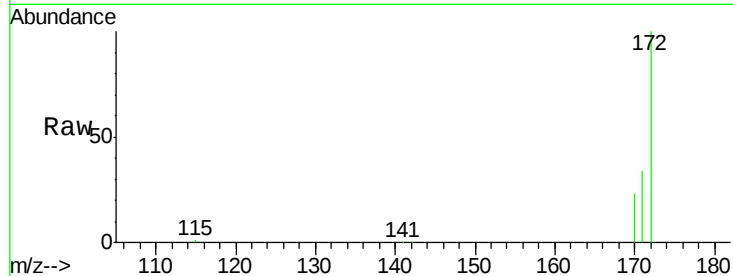




#14
 2-Fluorobiphenyl
 Concen: 4.20 ng
 RT: 12.83 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: BE090398.D
 Acq: 7 Aug 2015 15:26

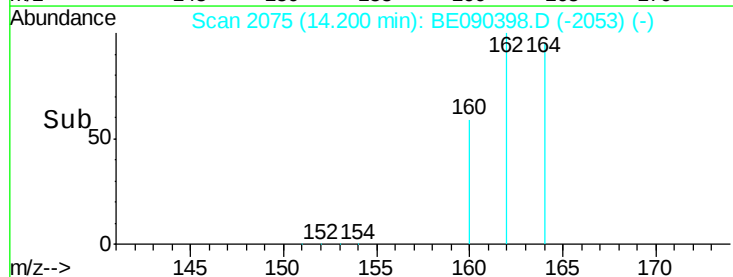
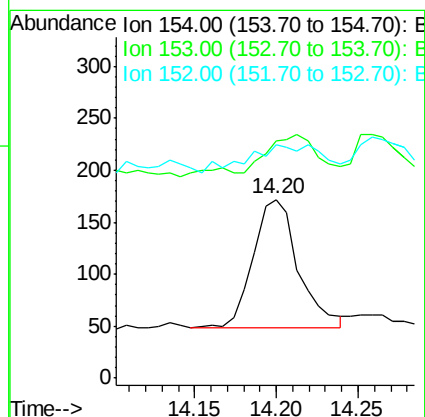
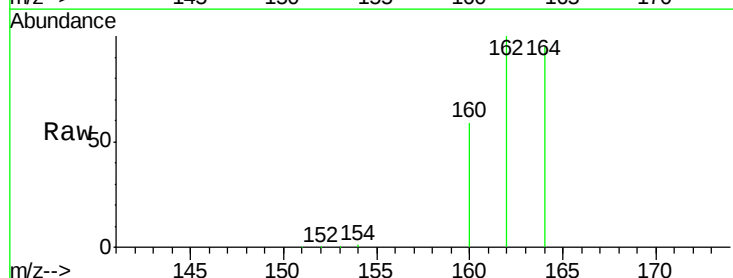
Instrument :
 BNA_E
 ClientSampleId :
 PB84826BL

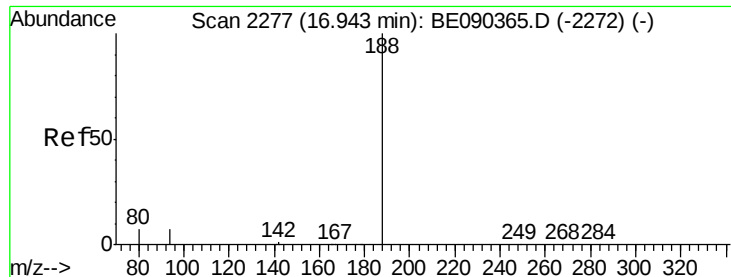
Tgt Ion:172 Resp: 52124
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.5 42.7
 170 23.2 19.8 29.8



#16
 Acenaphthene
 Concen: 0.02 ng
 RT: 14.20 min Scan# 2075
 Delta R.T. -0.06 min
 Lab File: BE090398.D
 Acq: 7 Aug 2015 15:26

Tgt Ion:154 Resp: 236
 Ion Ratio Lower Upper
 154 100
 153 30.5 376.2 564.2#
 152 33.9 235.0 352.4#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

Instrument :

BNA_E

ClientSampleId :

PB84826BL

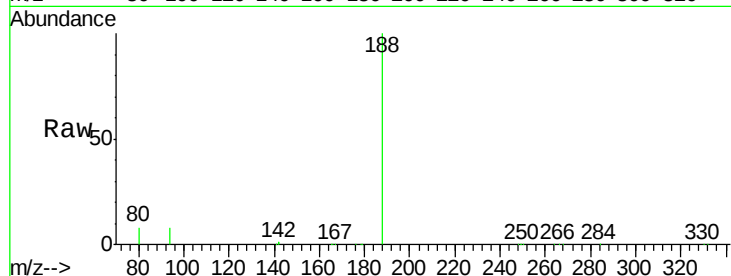
Tgt Ion:188 Resp: 112008

Ion Ratio Lower Upper

188 100

94 7.8 5.7 8.5

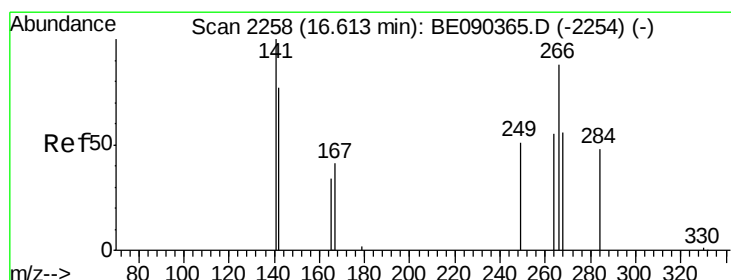
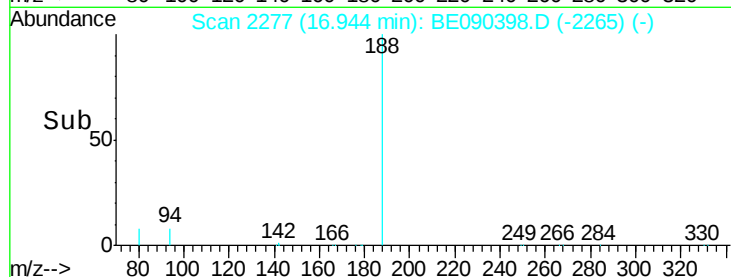
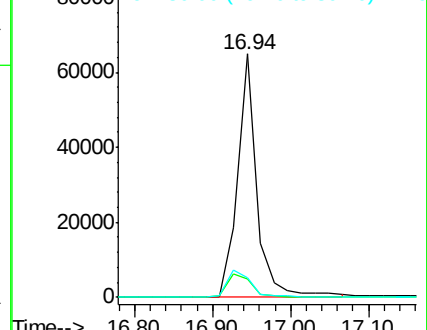
80 8.2 5.8 8.8



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: 16.56 min Scan# 2255

Delta R.T. -0.05 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

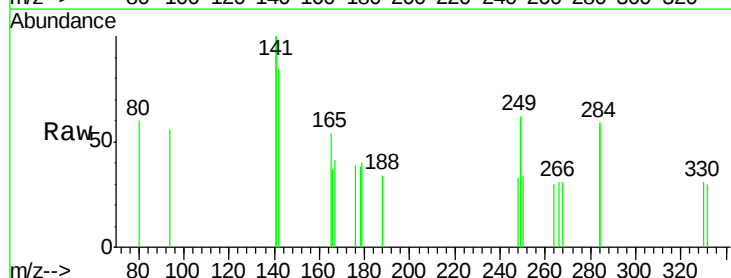
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

268 98.0 58.5 87.7#

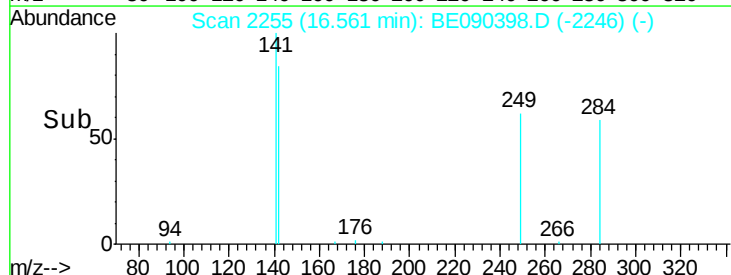
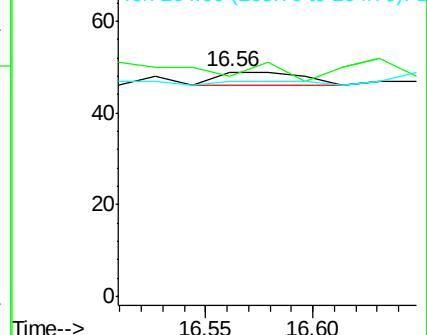
264 95.9 56.0 84.0#

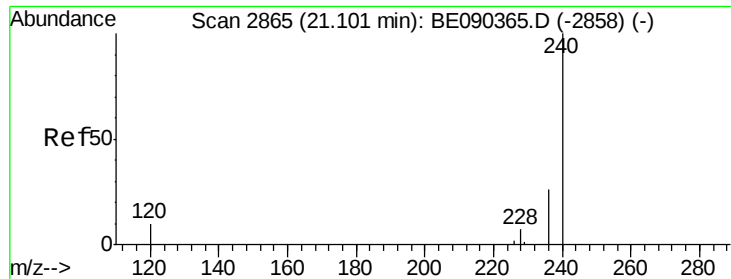


Abundance Ion 265.70 (265.40 to 266.40): E

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: 21.10 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

Instrument :

BNA_E

ClientSampled :

PB84826BL

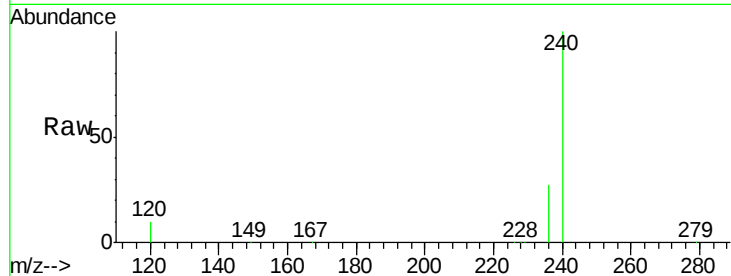
Tgt Ion:240 Resp: 126982

Ion Ratio Lower Upper

240 100

120 10.2 8.3 12.5

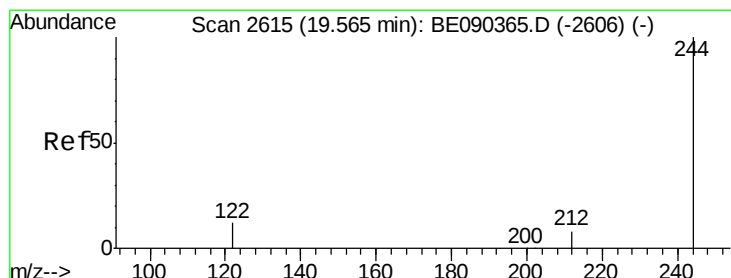
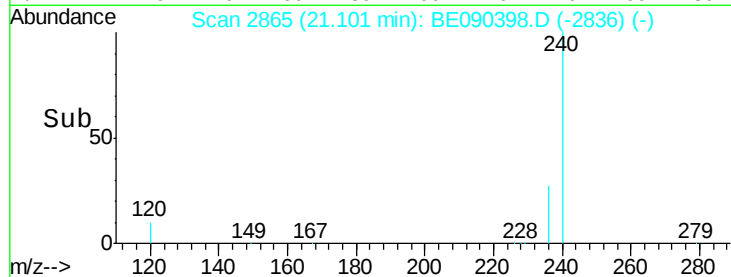
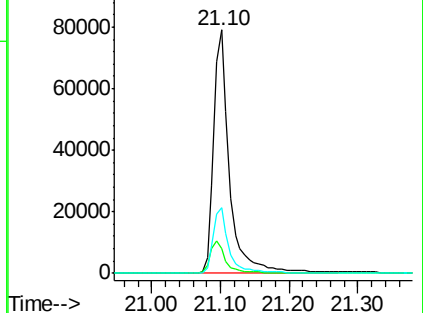
236 26.8 21.0 31.4



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: 4.88 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

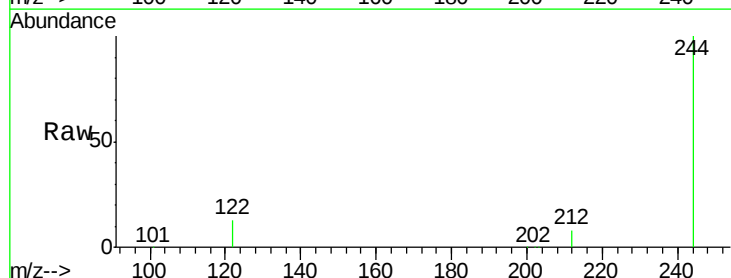
Tgt Ion:244 Resp: 91333

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

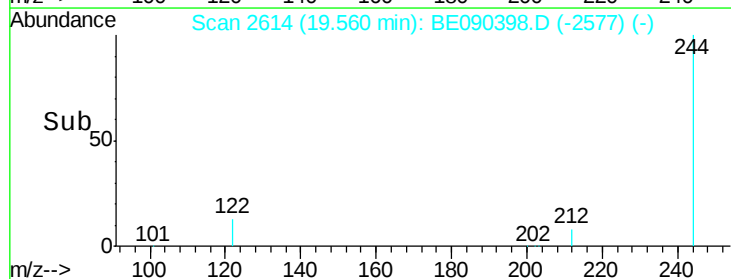
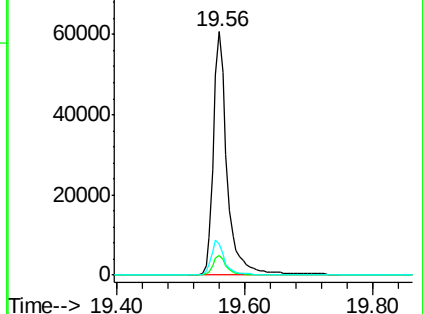
122 12.8 10.2 15.4

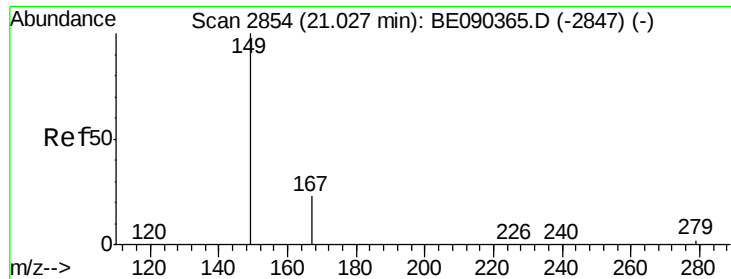


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

Instrument :

BNA_E

ClientSampleId :

PB84826BL

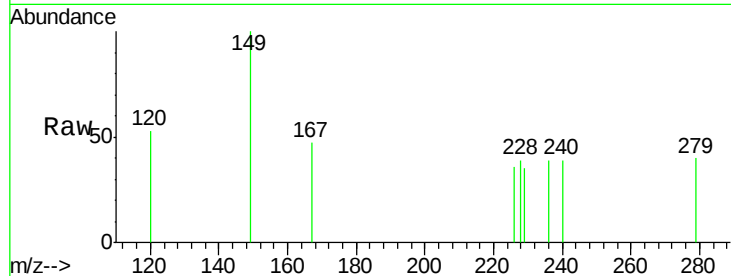
Tgt Ion:149 Resp: 84

Ion Ratio Lower Upper

149 100

167 27.4 19.8 29.8

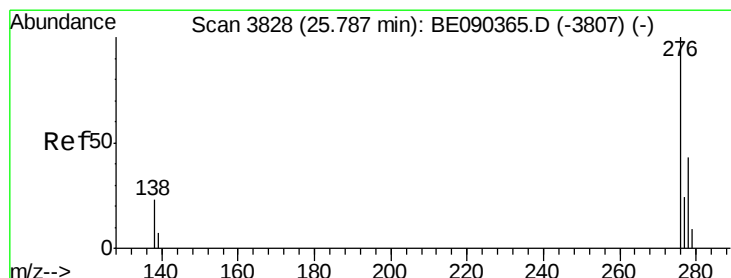
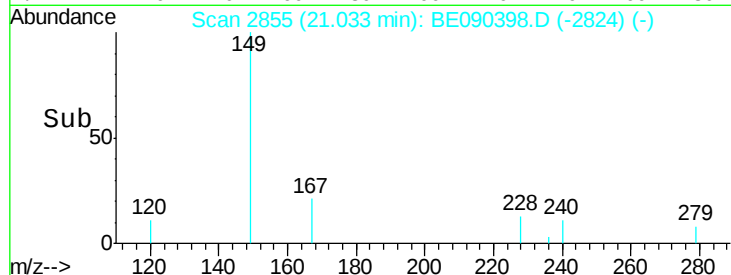
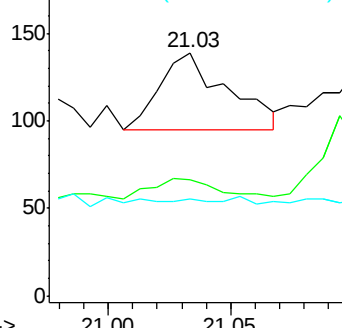
279 0.0 2.4 3.6#



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: 0.27 ng

RT: 25.80 min Scan# 3831

Delta R.T. 0.01 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

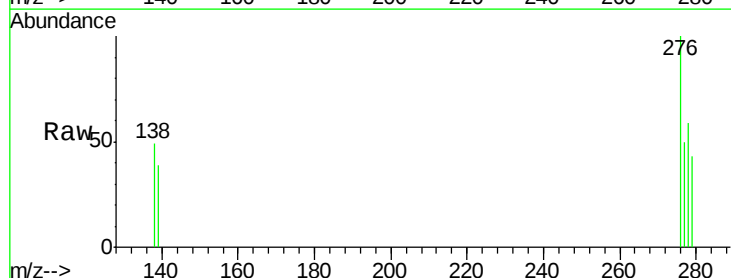
Tgt Ion:276 Resp: 530

Ion Ratio Lower Upper

276 100

138 9.2 18.8 28.2#

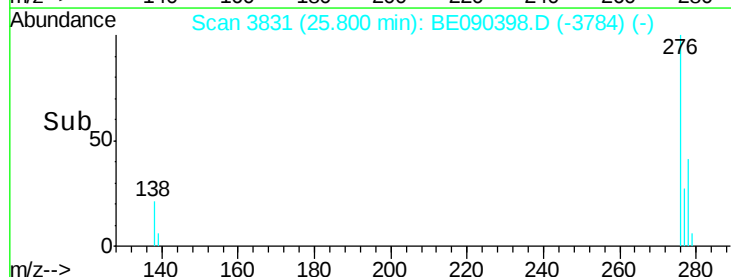
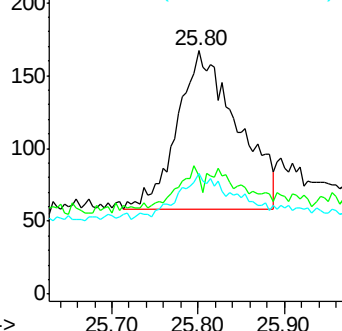
277 11.5 18.2 27.4#

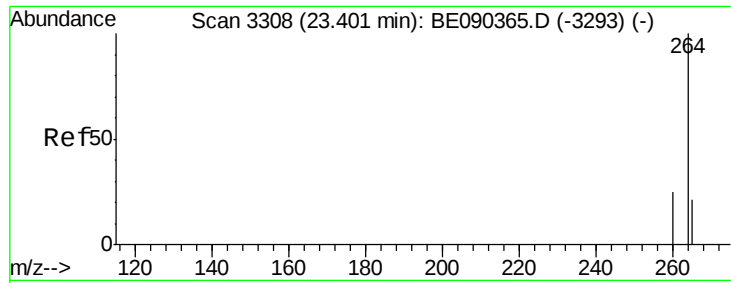


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

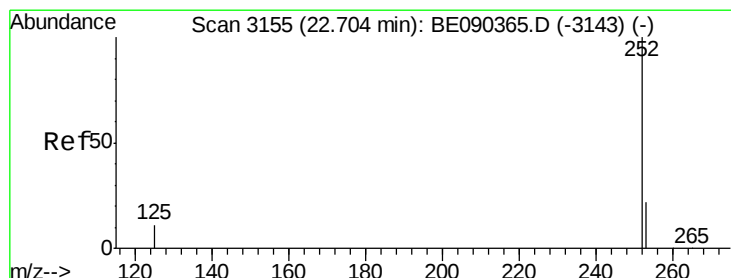
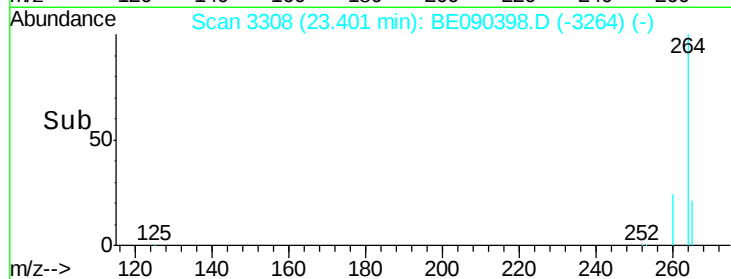
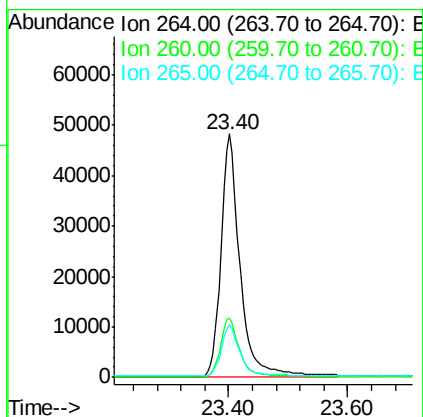
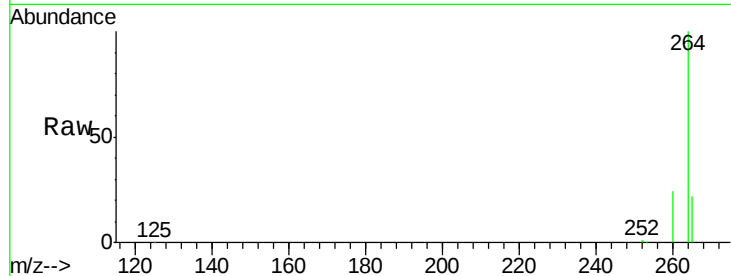




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090398.D
Acq: 7 Aug 2015 15:26

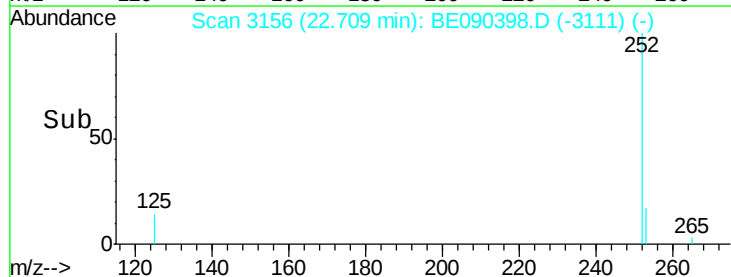
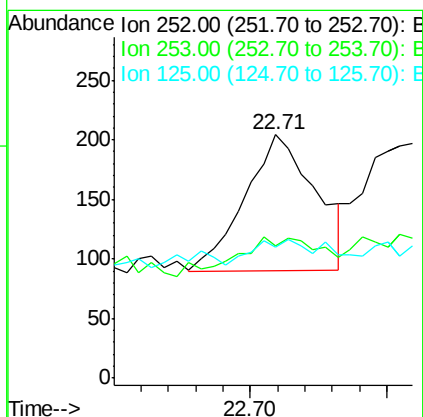
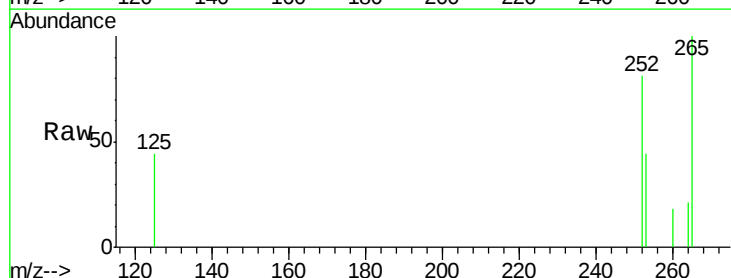
Instrument :
BNA_E
ClientSampleId :
PB84826BL

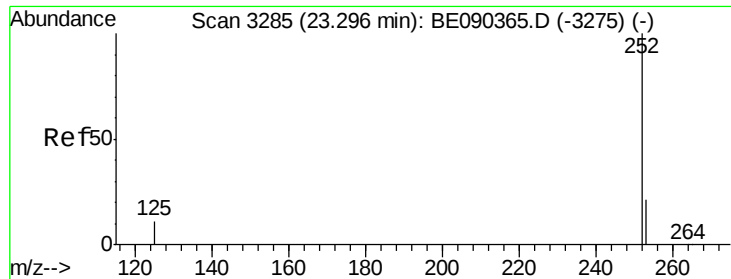
Tgt Ion: 264 Resp: 108525
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 21.5 17.2 25.8



#33
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 22.71 min Scan# 3156
Delta R.T. 0.01 min
Lab File: BE090398.D
Acq: 7 Aug 2015 15:26

Tgt Ion: 252 Resp: 205
Ion Ratio Lower Upper
252 100
253 54.4 18.1 27.1#
125 53.9 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.30 min Scan# 3286

Delta R.T. 0.01 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

Instrument :

BNA_E

ClientSampleId :

PB84826BL

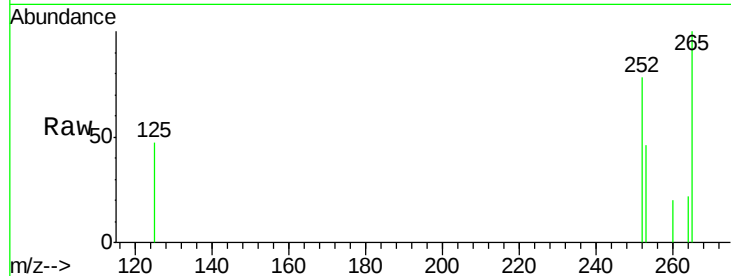
Tgt Ion: 252 Resp: 268

Ion Ratio Lower Upper

252 100

253 59.6 17.6 26.4#

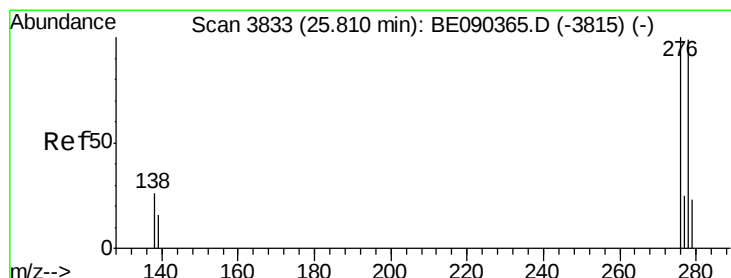
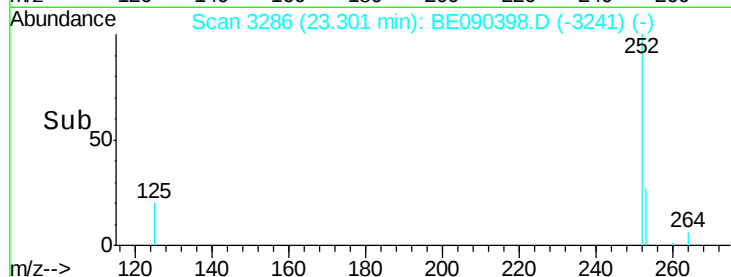
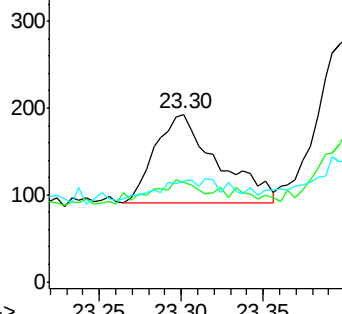
125 60.1 9.8 14.6#



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: 25.83 min Scan# 3838

Delta R.T. 0.02 min

Lab File: BE090398.D

Acq: 7 Aug 2015 15:26

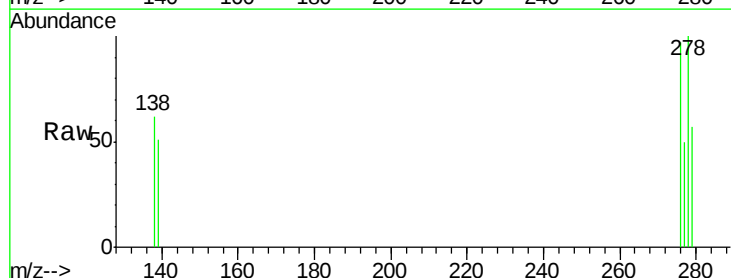
Tgt Ion: 278 Resp: 381

Ion Ratio Lower Upper

278 100

139 51.1 14.2 21.4#

279 57.1 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

