

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080415\
 Data File : BE090345.D
 Acq On : 4 Aug 2015 16:13
 Operator : TP/UM
 Sample : G3174-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080115-D506-E-D-M

Quant Time: Aug 04 17:07:20 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 04 02:31:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	4918	5.00	ng	-0.01
6) Naphthalene-d8	10.35	136	23239	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	12145	5.00	ng	-0.01
18) Phenanthrene-d10	16.94	188	27403	5.00	ng	0.00
25) Chrysene-d12	21.10	240	28077	5.00	ng	-0.01
32) Perylene-d12	23.41	264	26532	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	2631	2.80	ng	-0.01
5) Phenol-d6	6.77	99	1969	1.70	ng	0.00
7) Nitrobenzene-d5	8.73	82	5233	3.81	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	1484	6.49	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	14024	3.98	ng	-0.01
27) Terphenyl-d14	19.56	244	22234	4.23	ng	-0.02

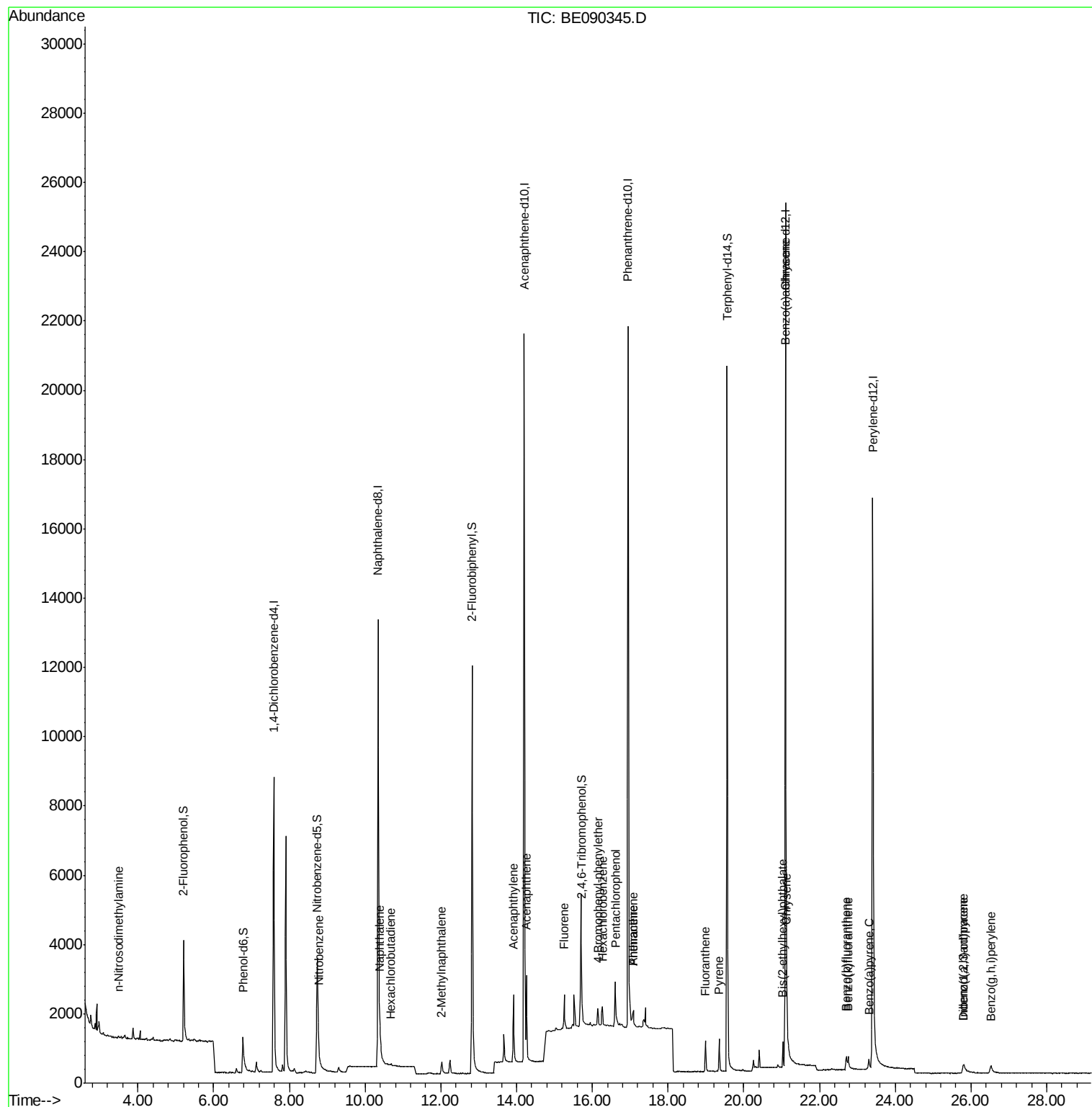
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	37	Below Cal	#	36
3) n-Nitrosodimethylamine	3.50	42	25	0.03 ng	#	1
8) Nitrobenzene	8.77	77	93	0.07 ng	#	88
9) Naphthalene	10.39	128	516	0.10 ng	#	67
10) Hexachlorobutadiene	10.69	225	35	0.05 ng		90
11) 2-Methylnaphthalene	12.02	142	369	0.12 ng	#	92
15) Acenaphthylene	13.92	152	2821	0.13 ng		99
16) Acenaphthene	14.26	154	419	0.14 ng		96
17) Fluorene	15.26	166	556	0.15 ng		95
19) 4-Bromophenyl-phenylether	16.14	248	145	0.14 ng		92
20) Hexachlorobenzene	16.27	284	526	0.14 ng		96
21) Pentachlorophenol	16.61	266	854	3.63 ng	#	83
22) Phenanthrene	17.08	178	619	0.10 ng		97
23) Anthracene	17.08	178	723	0.13 ng		98
24) Fluoranthene	18.99	202	952	0.15 ng		98
26) Pyrene	19.35	202	1010	0.13 ng		99
28) Benzo(a)anthracene	21.09	228	836	0.16 ng	#	91
29) Chrysene	21.13	228	956	0.09 ng		92
30) Bis(2-ethylhexyl)phthalate	21.03	149	746	0.56 ng		98
31) Indeno(1,2,3-cd)pyrene	25.80	276	590	0.32 ng		96
33) Benzo(b)fluoranthene	22.71	252	632	0.47 ng	#	79
34) Benzo(k)fluoranthene	22.75	252	718	0.10 ng	#	72
35) Benzo(a)pyrene	23.30	252	578	0.42 ng	#	75
36) Dibenzo(a,h)anthracene	25.81	278	372	0.34 ng	#	72
37) Benzo(g,h,i)perylene	26.53	276	626	0.36 ng	#	77

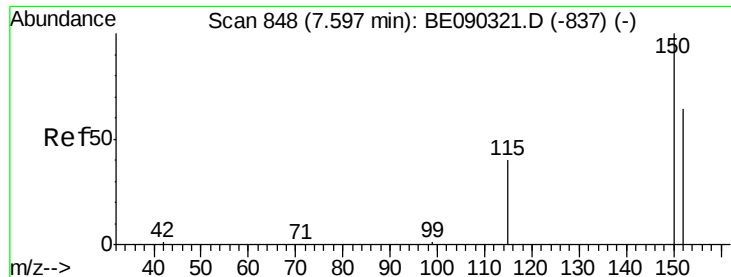
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Quant Time: Aug 04 17:07:20 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 02:31:31 2015
Response via : Initial Calibration



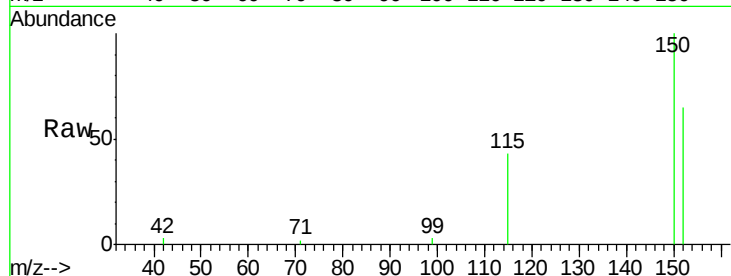


#1

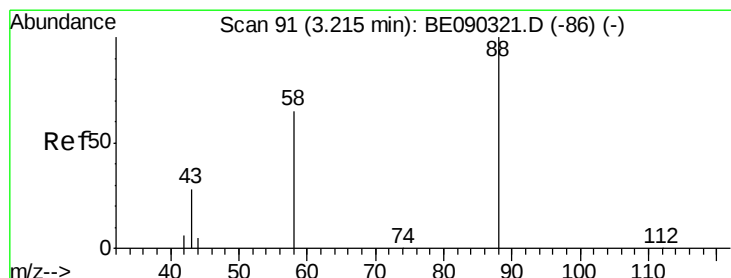
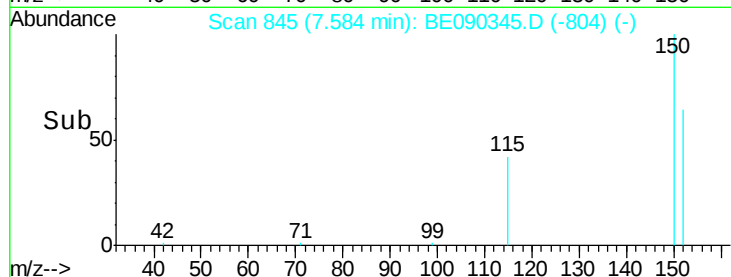
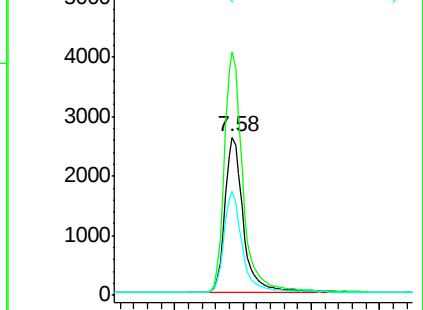
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090345.D
Acq: 4 Aug 2015 16:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tot Ion:152 Resp: 4918
Ion Ratio Lower Upper
152 100
150 154.1 124.2 186.2
115 65.7 50.4 75.6



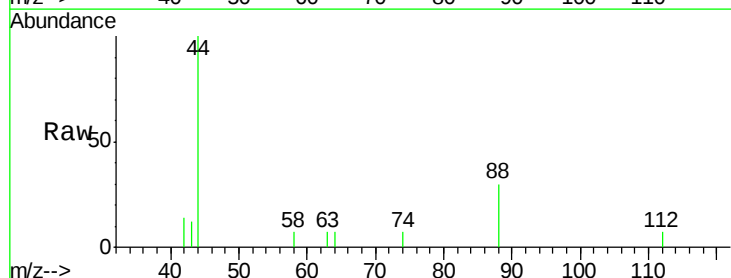
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



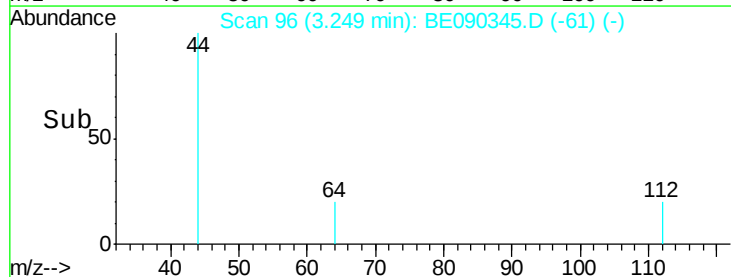
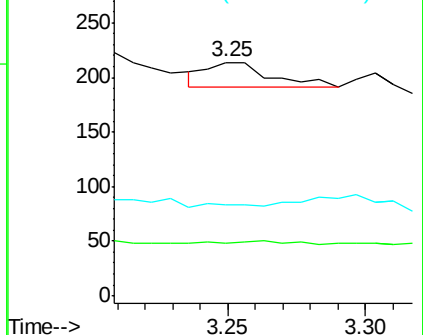
#2

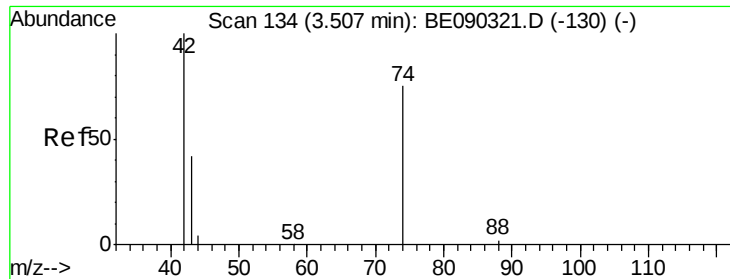
1,4-Dioxane
Concen: Below Cal
RT: 3.25 min Scan# 96
Delta R.T. 0.04 min
Lab File: BE090345.D
Acq: 4 Aug 2015 16:13

Tgt Ion: 88 Resp: 37
Ion Ratio Lower Upper
88 100
58 10.8 50.2 75.2#
43 0.0 25.0 37.6#



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





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.50 min Scan# 133

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

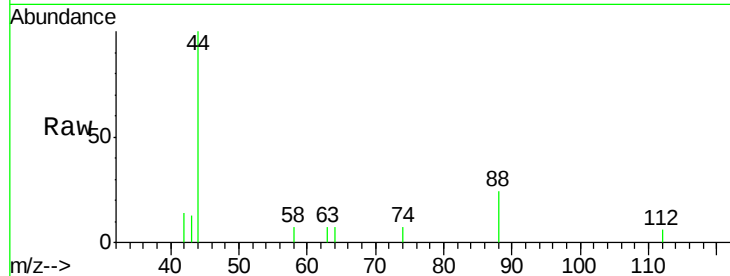
Tot Ion: 42 Resp: 25

Ion Ratio Lower Upper

42 100

74 0.0 73.2 109.8#

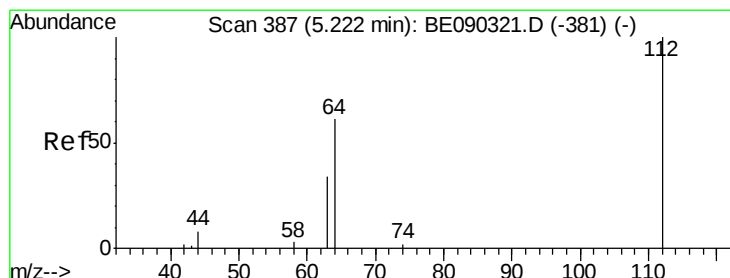
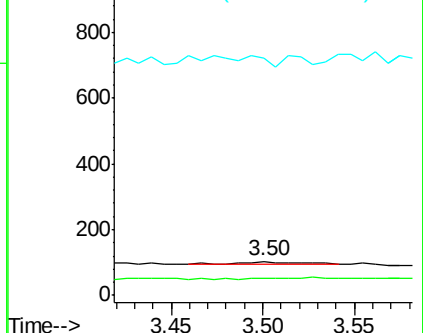
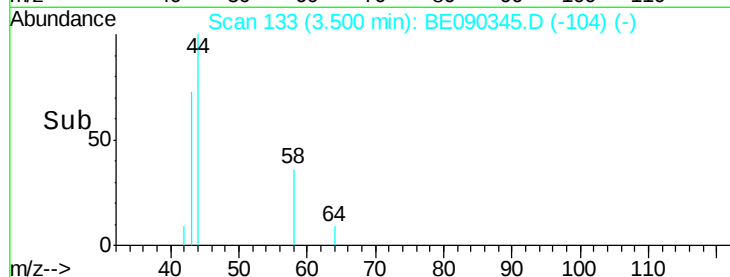
44 124.0 3.8 5.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 2.80 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

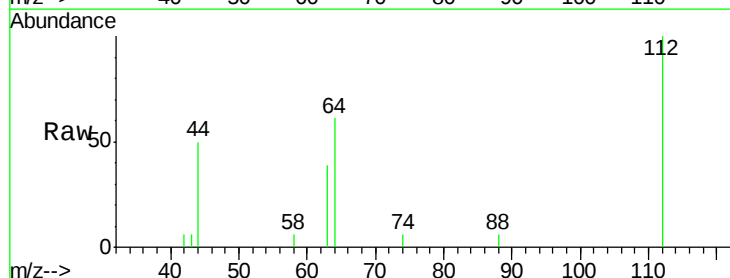
Tgt Ion: 112 Resp: 2631

Ion Ratio Lower Upper

112 100

64 60.0 49.0 73.4

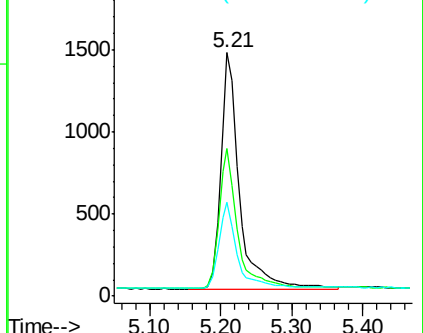
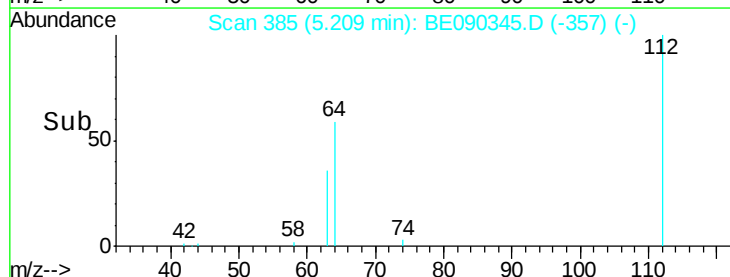
63 34.9 27.7 41.5

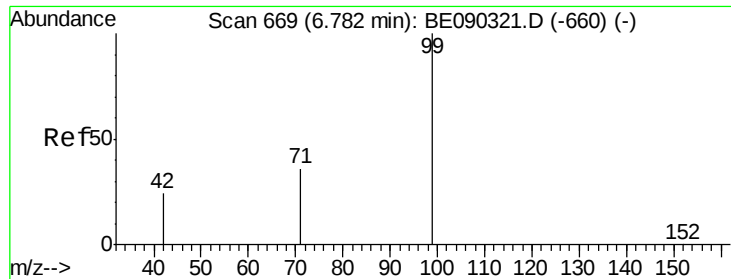


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.70 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

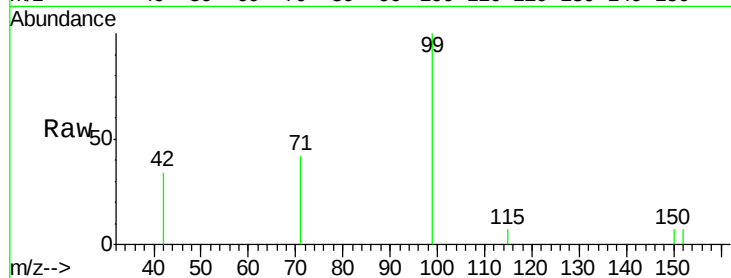
Tot Ion: 99 Resp: 1969

Ion Ratio Lower Upper

99 100

42 25.9 22.2 33.2

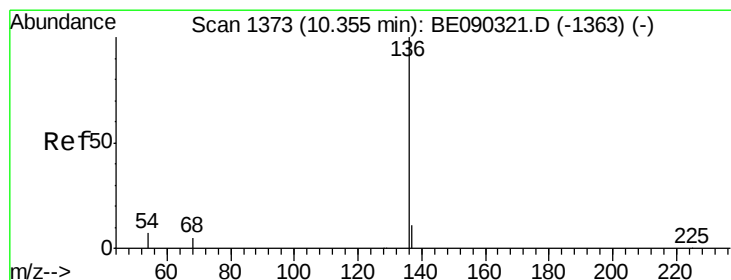
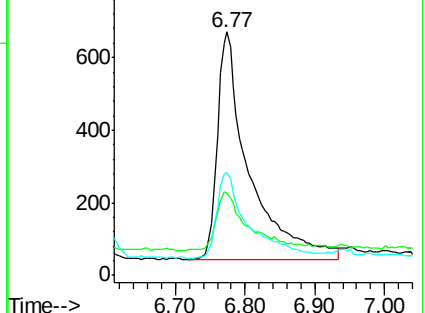
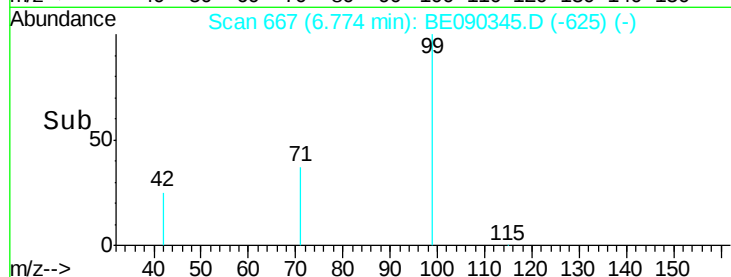
71 38.9 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.35 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Tgt Ion: 136 Resp: 23239

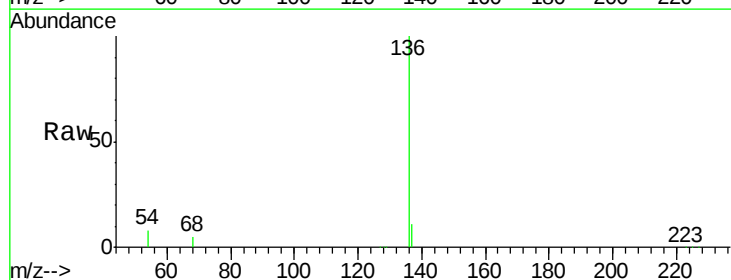
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.8 6.0 9.0

68 5.2 3.9 5.9

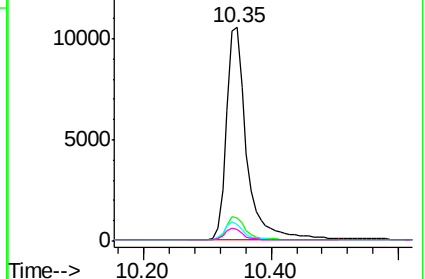
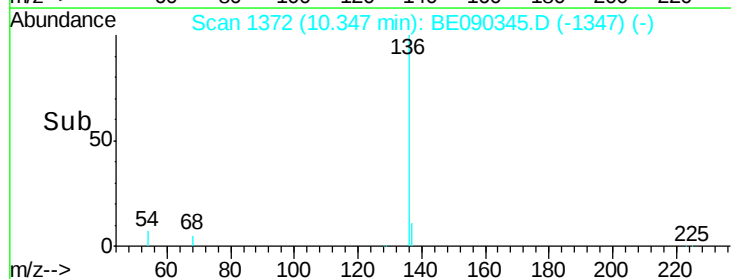


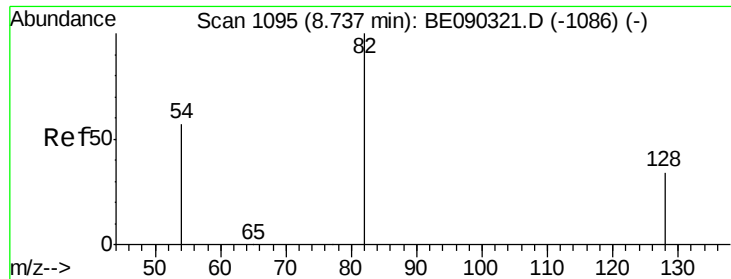
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.81 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

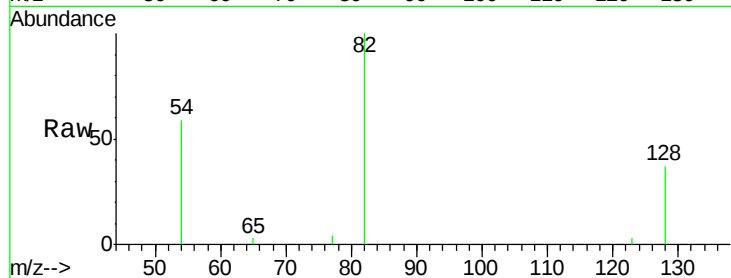
Tot Ion: 82 Resp: 5233

Ion Ratio Lower Upper

82 100

128 37.3 30.8 46.2

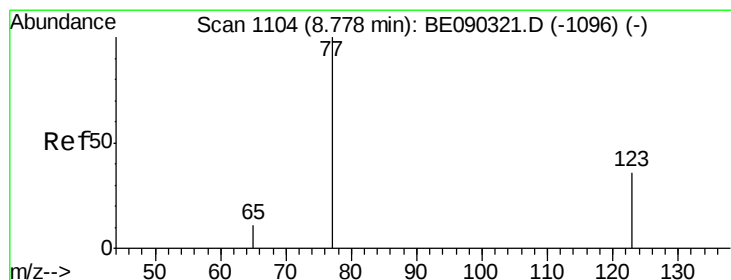
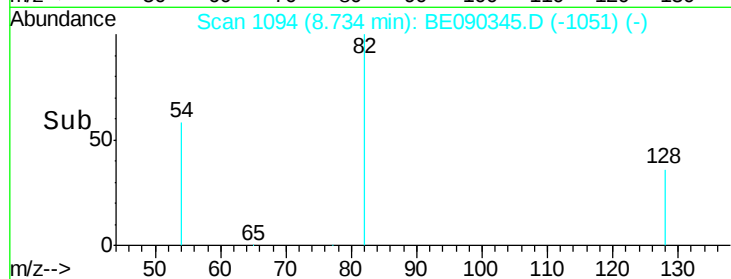
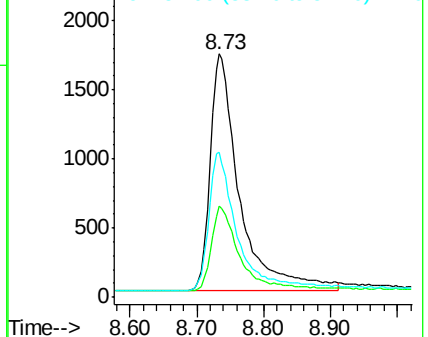
54 59.4 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.07 ng

RT: 8.77 min Scan# 1103

Delta R.T. -0.00 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

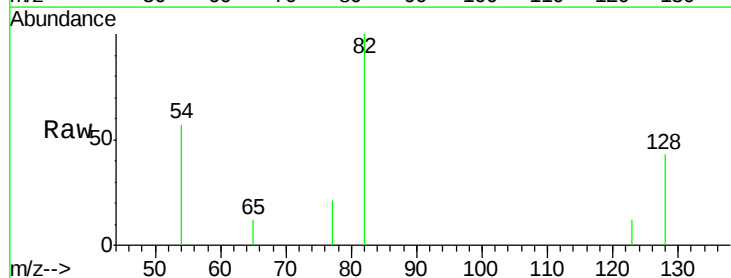
Tgt Ion: 77 Resp: 93

Ion Ratio Lower Upper

77 100

123 43.0 29.6 44.4

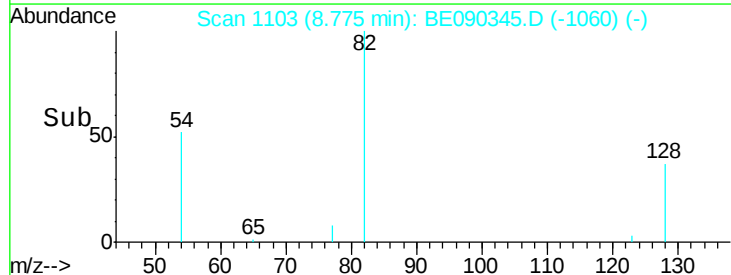
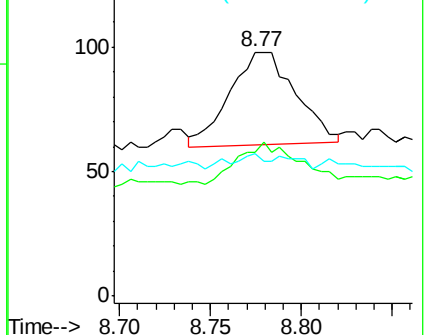
65 5.4 10.4 15.6#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.10 ng

RT: 10.39 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

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ClientSampleId :

080115-D506-E-D-M

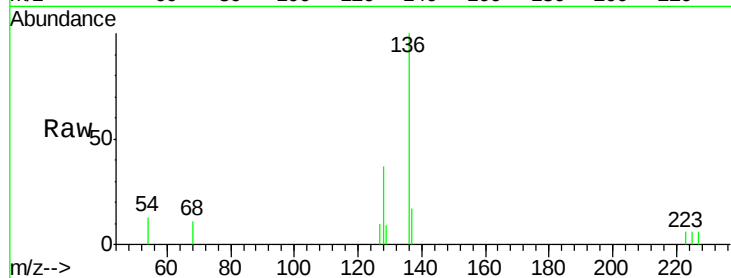
Tot Ion:128 Resp: 516

Ion Ratio Lower Upper

128 100

129 25.0 10.1 15.1#

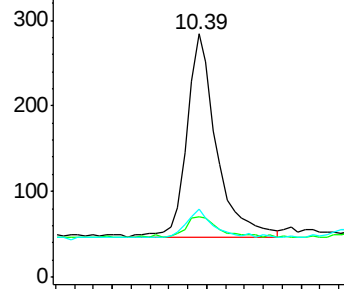
127 27.8 11.3 16.9#



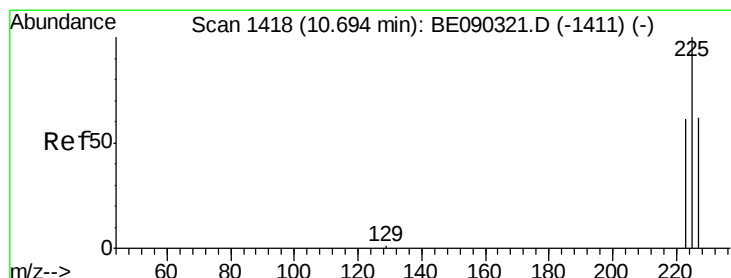
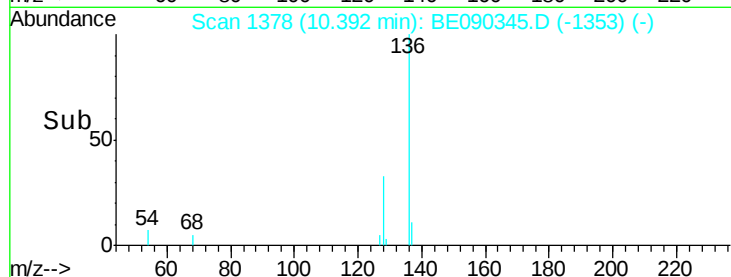
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#10

Hexachlorobutadiene

Concen: 0.05 ng

RT: 10.69 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

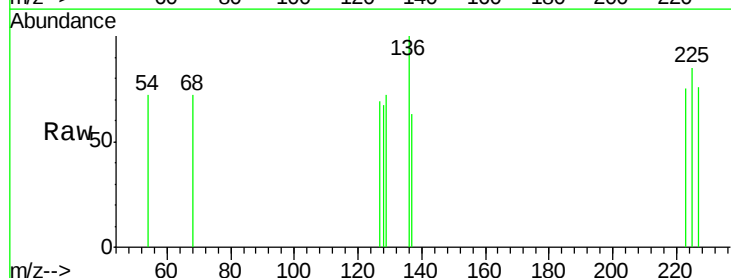
Tgt Ion:225 Resp: 35

Ion Ratio Lower Upper

225 100

223 71.4 50.4 75.6

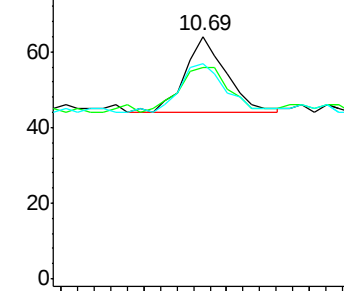
227 68.6 49.6 74.4



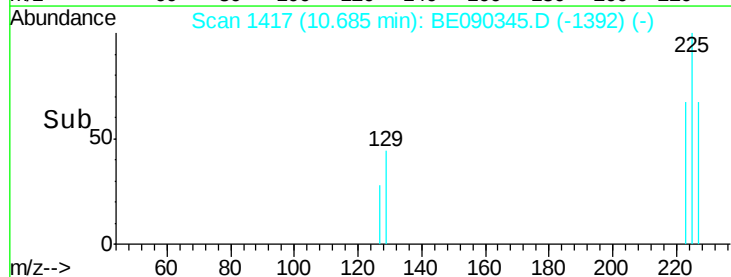
Abundance Ion 225.00 (224.70 to 225.70): E

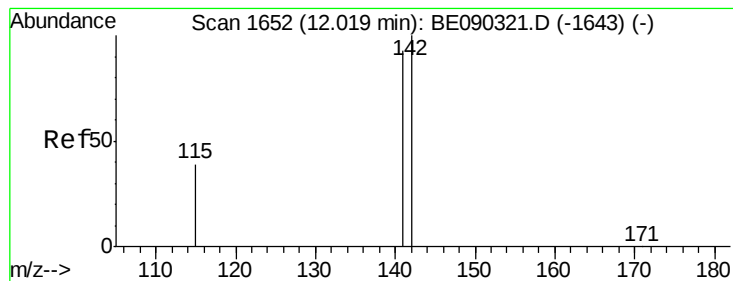
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->





#11

2-Methylnaphthalene

Concen: 0.12 ng

RT: 12.02 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

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080115-D506-E-D-M

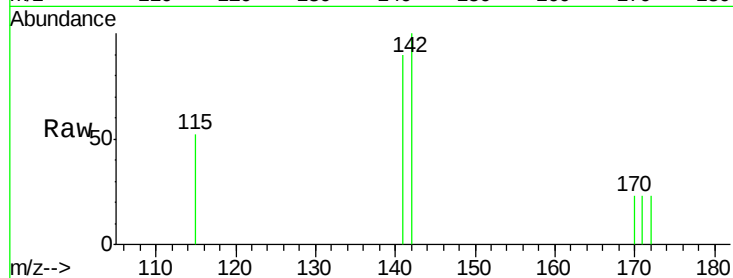
Tot Ion:142 Resp: 369

Ion Ratio Lower Upper

142 100

141 90.2 74.6 112.0

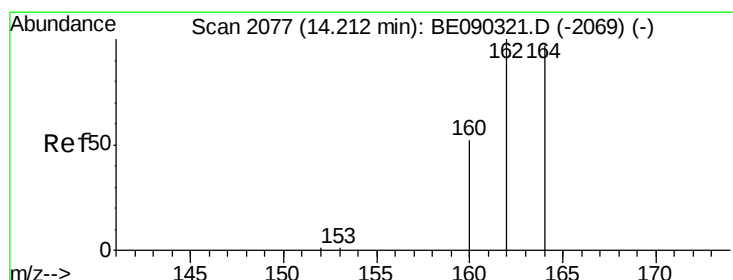
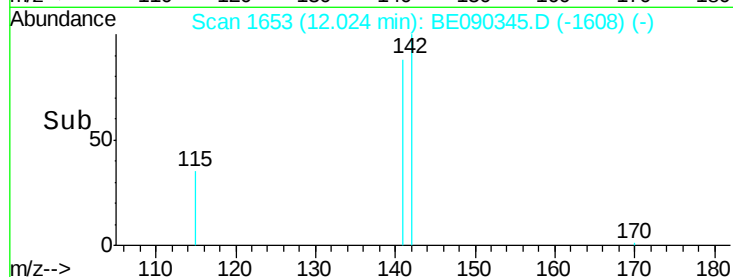
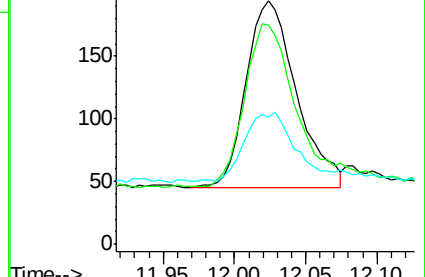
115 52.1 32.6 49.0#



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: 14.20 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

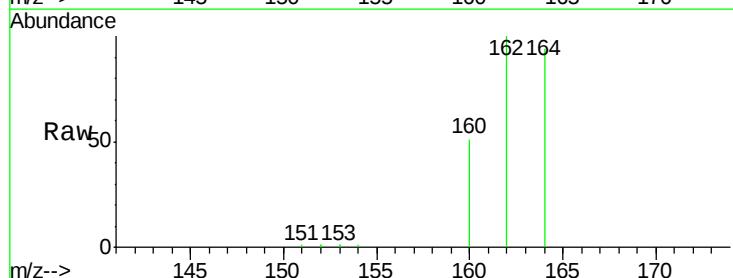
Tgt Ion:164 Resp: 12145

Ion Ratio Lower Upper

164 100

162 106.6 82.7 124.1

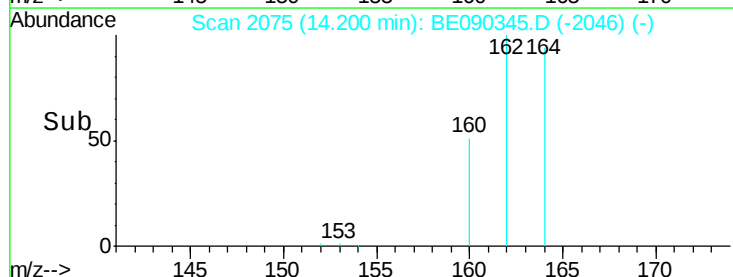
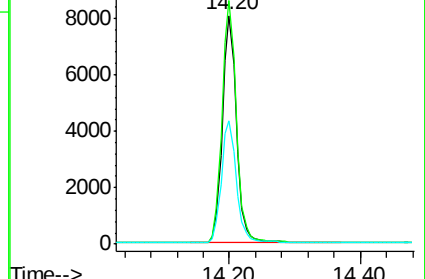
160 54.2 43.0 64.6

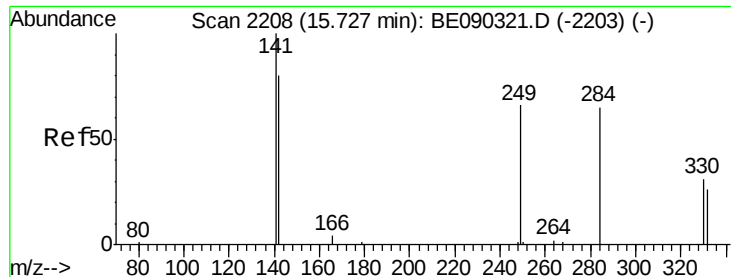


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

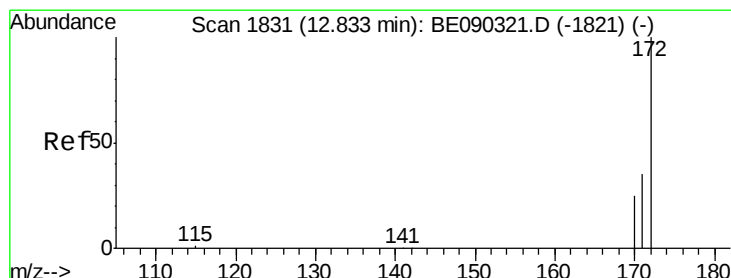
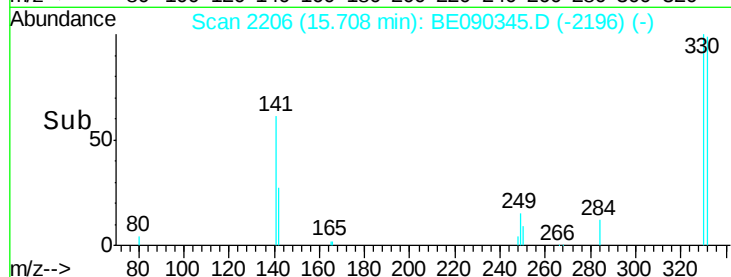
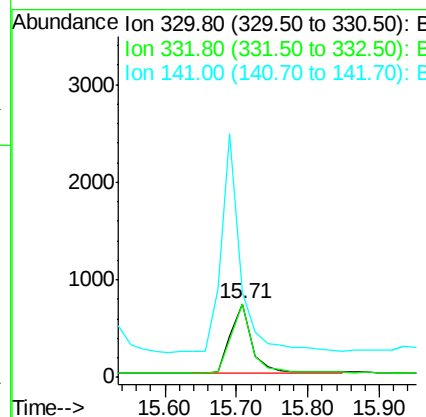
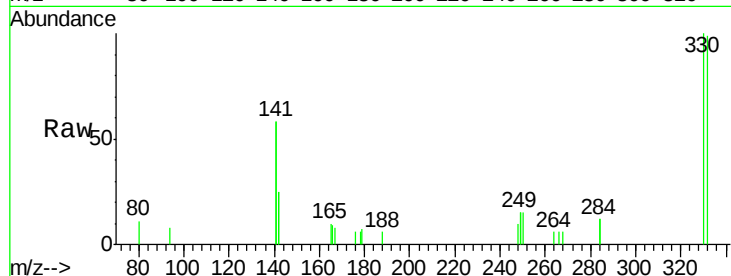




#13
 2,4,6-Tribromophenol
 Concen: 6.49 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090345.D
 Acq: 4 Aug 2015 16:13

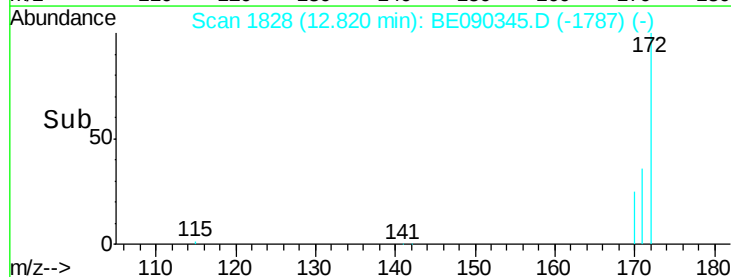
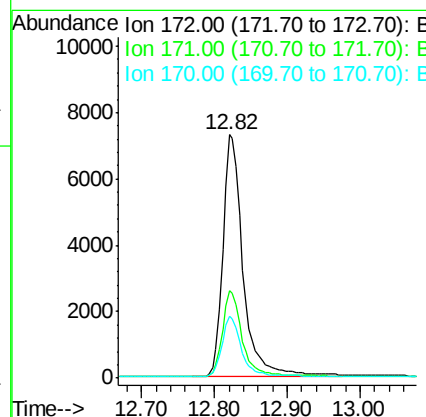
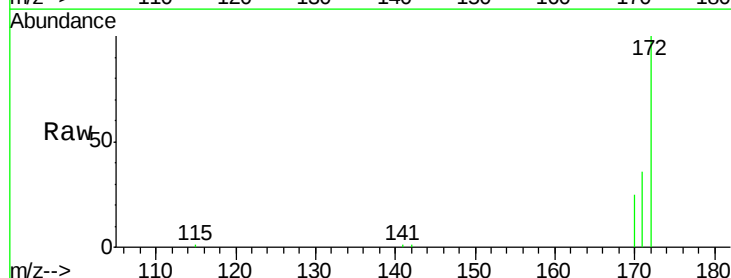
Instrument :
 BNA_E
 ClientSampleId :
 080115-D506-E-D-M

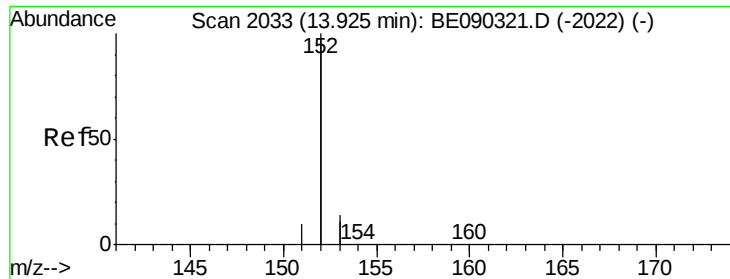
Tot Ion:330 Resp: 1484
 Ion Ratio Lower Upper
 330 100
 332 97.6 79.4 119.0
 141 282.9 245.9 368.9



#14
 2-Fluorobiphenyl
 Concen: 3.98 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BE090345.D
 Acq: 4 Aug 2015 16:13

Tgt Ion:172 Resp: 14024
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.5 44.3
 170 25.4 21.3 31.9





#15

Acenaphthylene

Concen: 0.13 ng

RT: 13.92 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

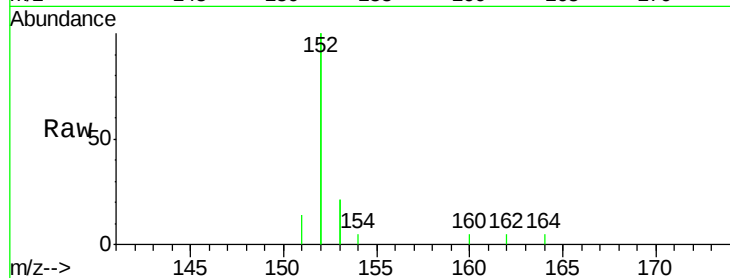
Tot Ion:152 Resp: 2821

Ion Ratio Lower Upper

152 100

151 5.2 4.0 6.0

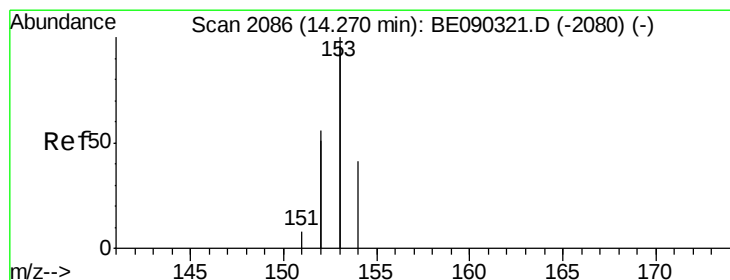
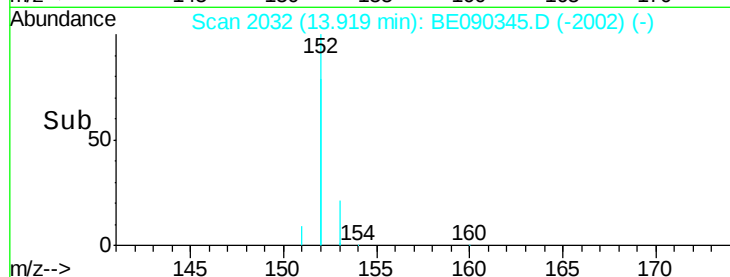
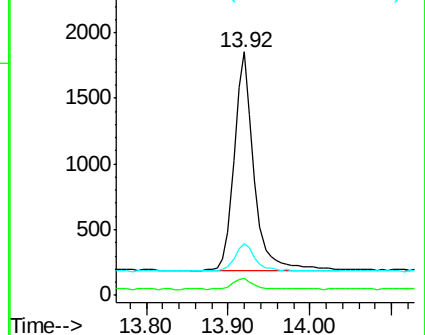
153 13.3 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.14 ng

RT: 14.26 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

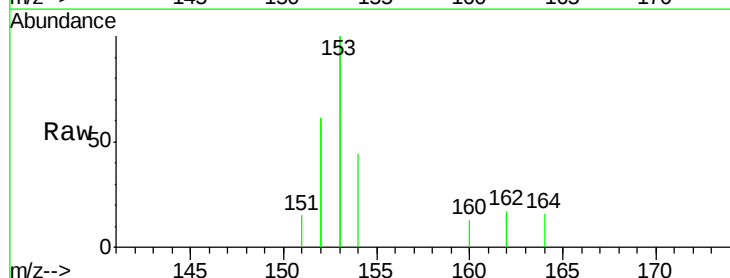
Tgt Ion:154 Resp: 419

Ion Ratio Lower Upper

154 100

153 461.3 378.0 567.0

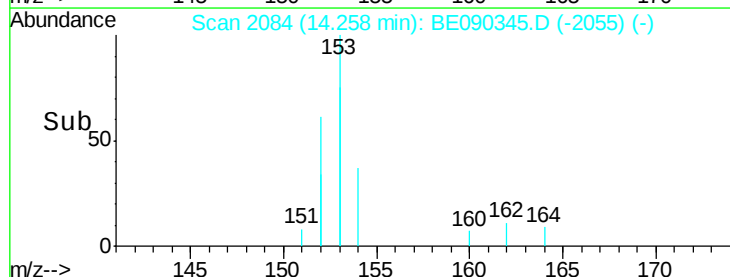
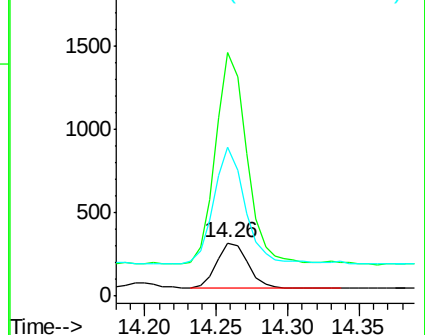
152 258.7 212.7 319.1

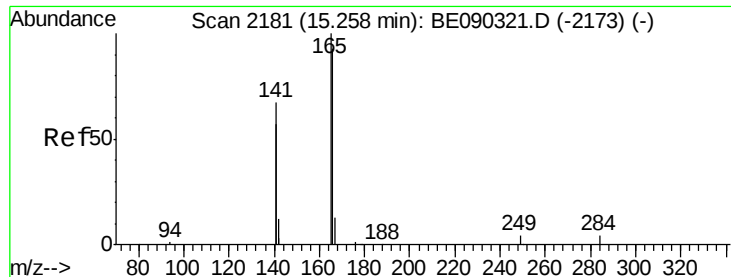


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 0.15 ng

RT: 15.26 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

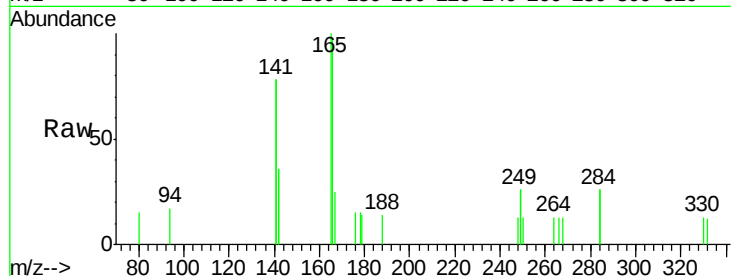
Tot Ion:166 Resp: 556

Ion Ratio Lower Upper

166 100

165 108.6 82.6 123.8

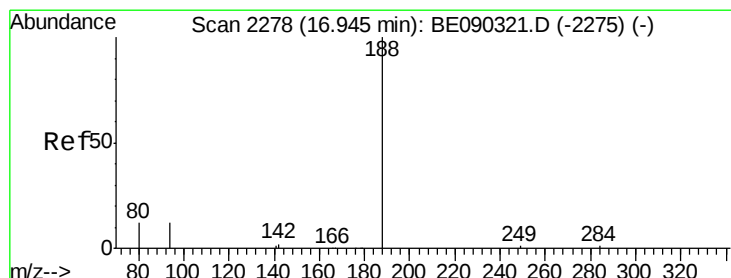
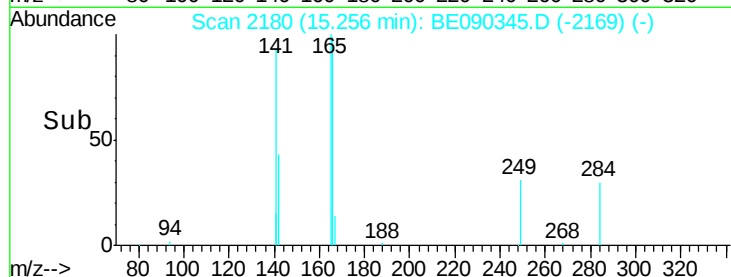
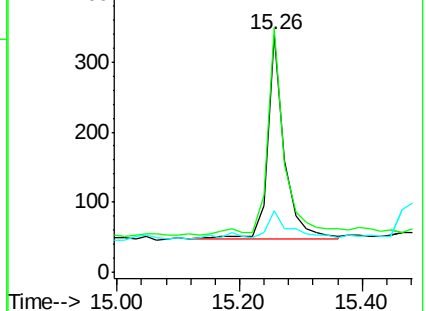
167 16.2 11.8 17.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

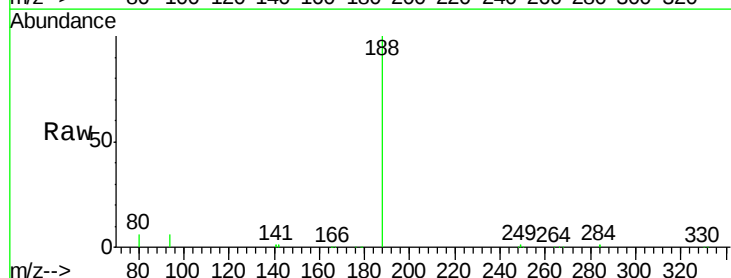
Tgt Ion:188 Resp: 27403

Ion Ratio Lower Upper

188 100

94 6.0 9.5 14.3#

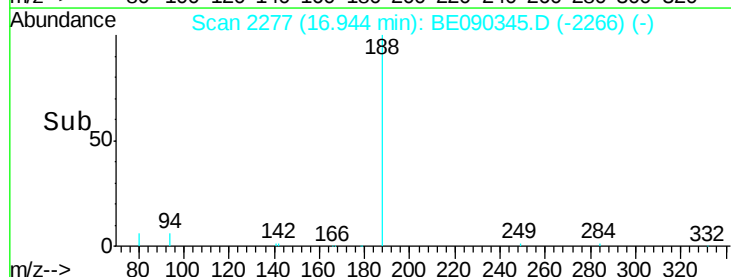
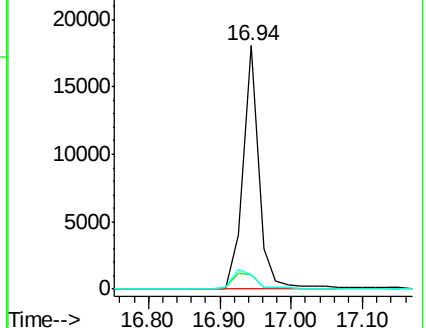
80 5.8 10.0 15.0#

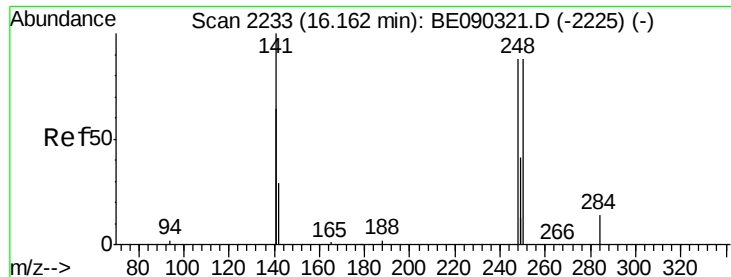


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

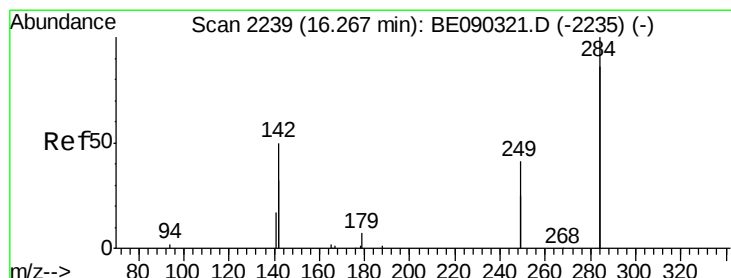
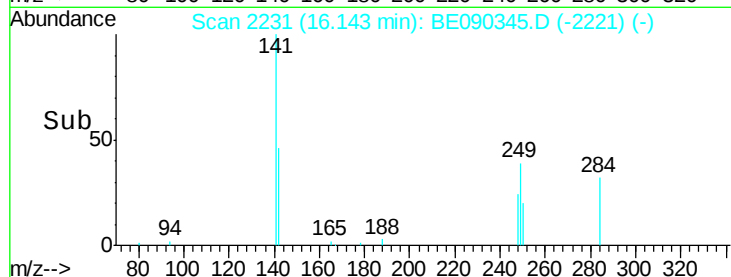
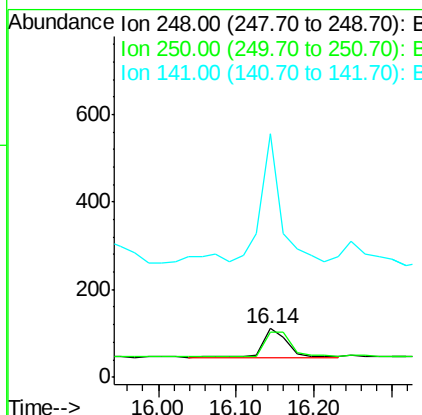
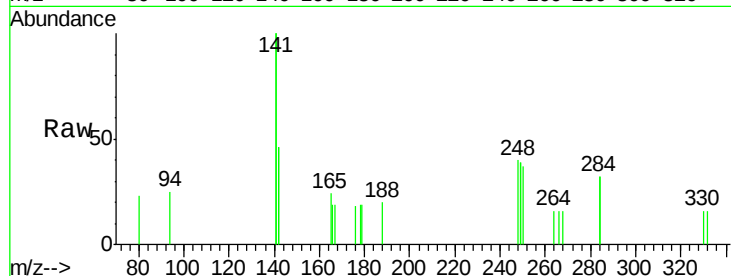




#19
4-Bromophenyl-phenylether
Concen: 0.14 ng
RT: 16.14 min Scan# 2231
Delta R.T. -0.02 min
Lab File: BE090345.D
Acq: 4 Aug 2015 16:13

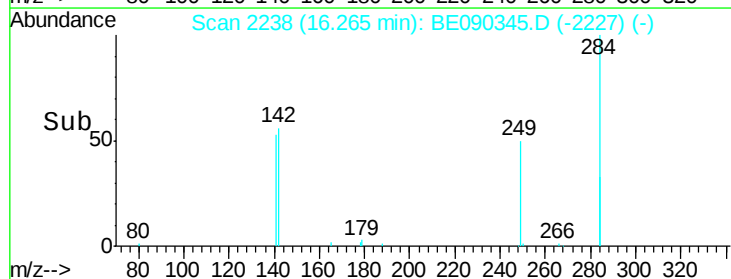
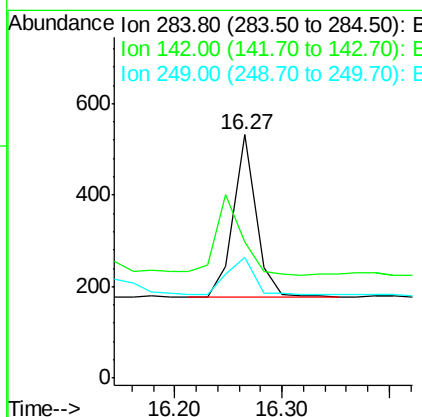
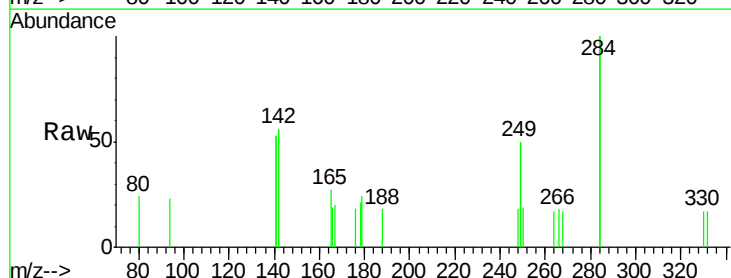
Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

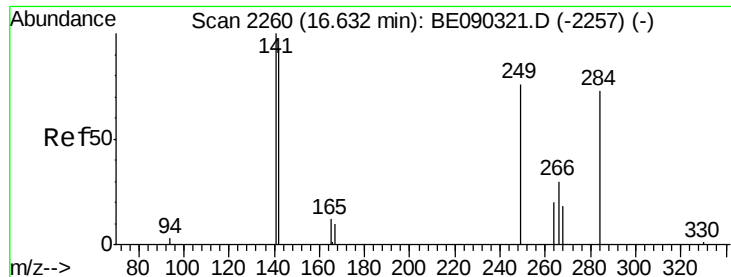
Tot Ion:248 Resp: 145
Ion Ratio Lower Upper
248 100
250 95.2 74.0 111.0
141 342.8 258.9 388.3



#20
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.27 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BE090345.D
Acq: 4 Aug 2015 16:13

Tgt Ion:284 Resp: 526
Ion Ratio Lower Upper
284 100
142 55.9 44.2 66.4
249 28.1 26.4 39.6





#21

Pentachlorophenol

Concen: 3.63 ng

RT: 16.61 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

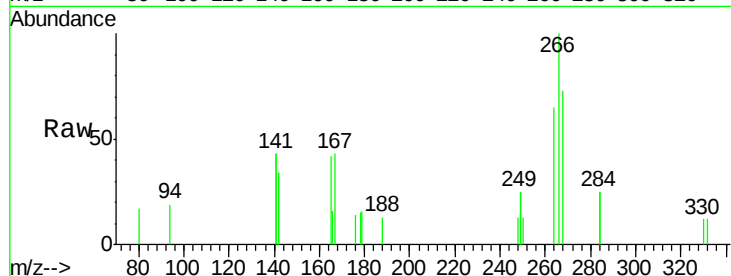
Tot Ion:266 Resp: 854

Ion Ratio Lower Upper

266 100

268 72.6 66.2 99.2

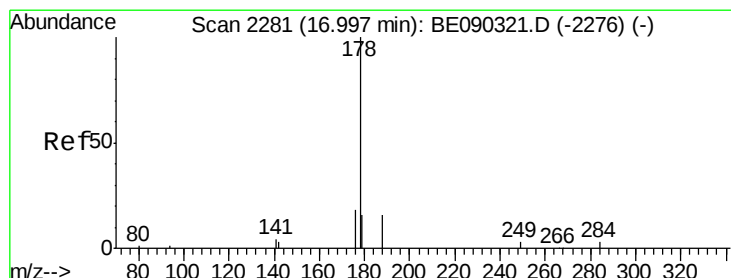
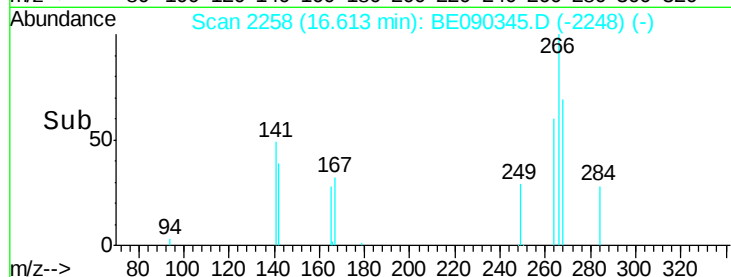
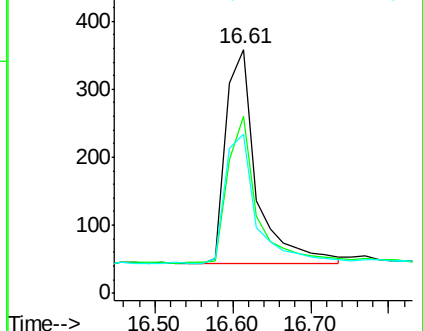
264 65.1 69.1 103.7#



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: 0.10 ng

RT: 17.08 min Scan# 2285

Delta R.T. 0.09 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

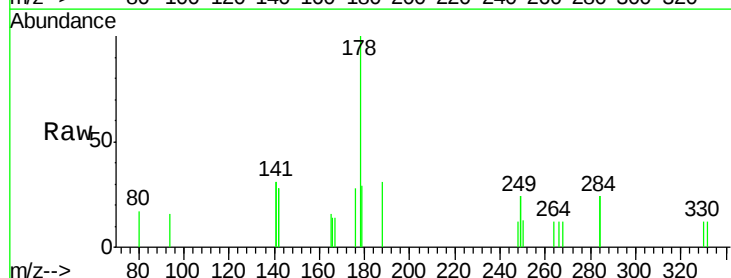
Tgt Ion:178 Resp: 619

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

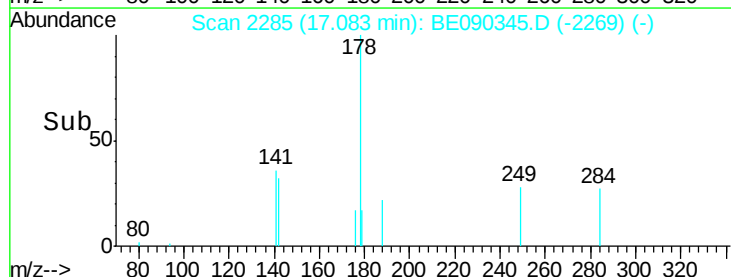
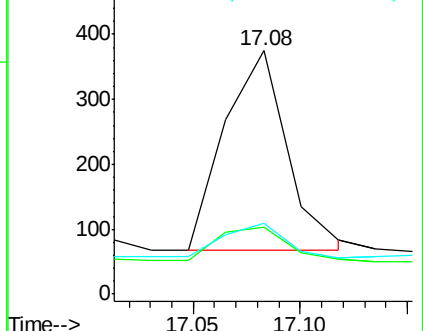
179 17.1 12.6 18.8

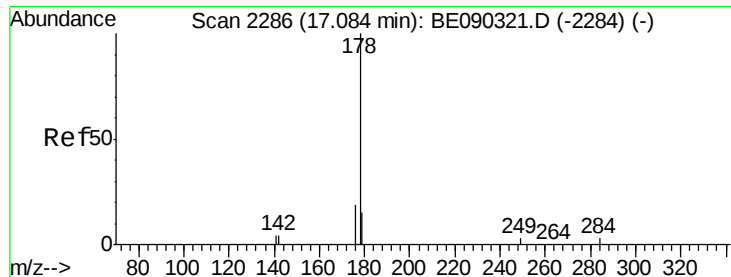


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.13 ng

RT: 17.08 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

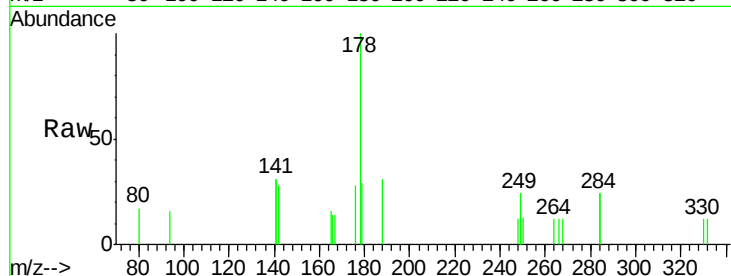
Tot Ion:178 Resp: 723

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

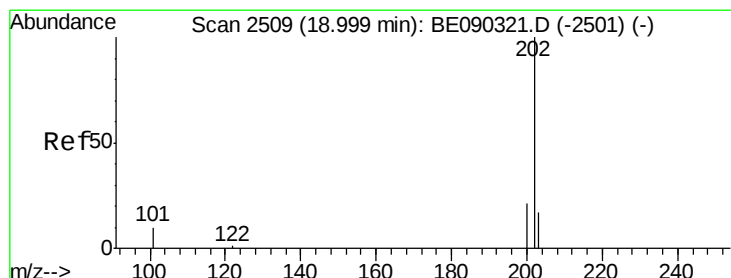
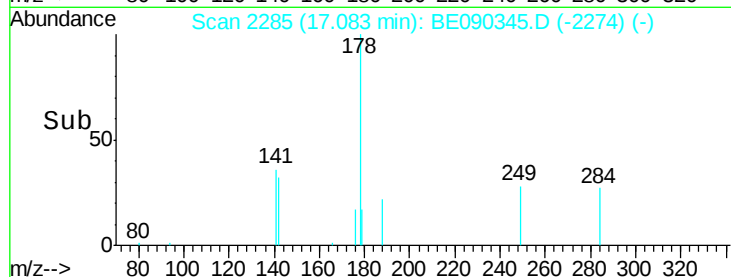
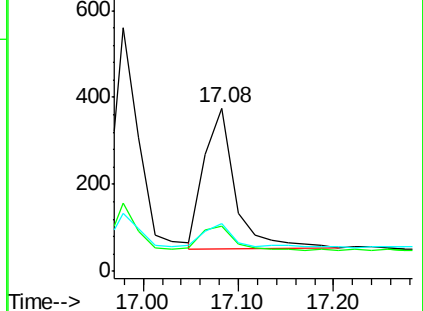
179 16.5 12.1 18.1



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: 0.15 ng

RT: 18.99 min Scan# 2506

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

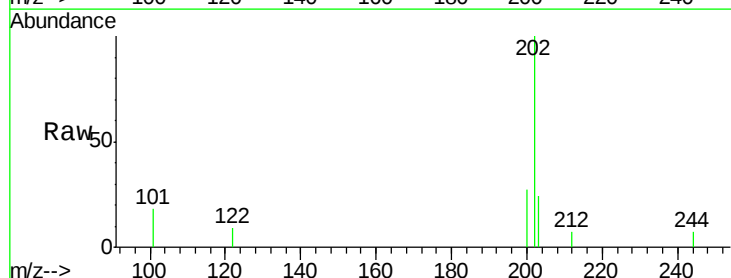
Tgt Ion:202 Resp: 952

Ion Ratio Lower Upper

202 100

101 11.2 8.3 12.5

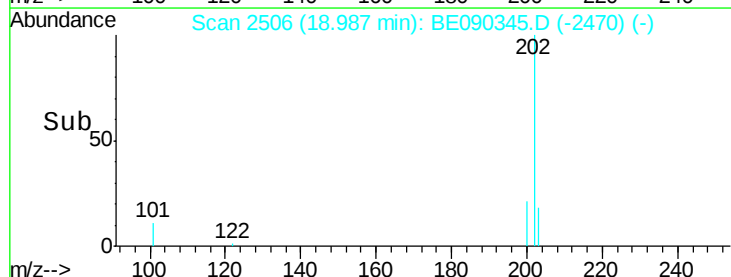
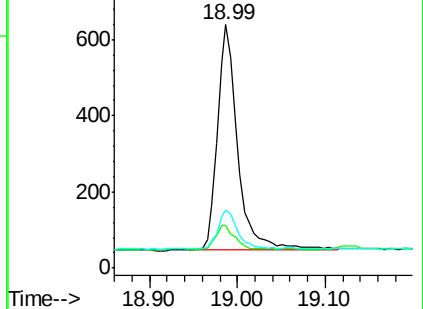
203 16.6 13.8 20.8

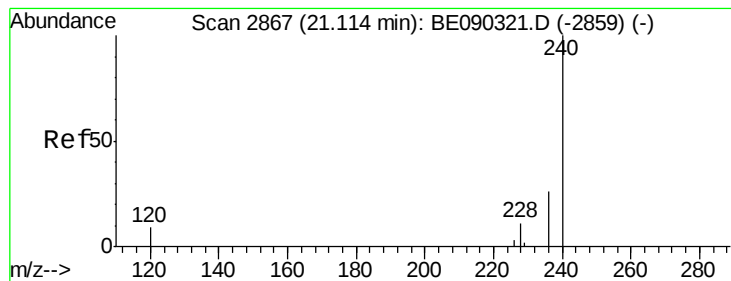


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

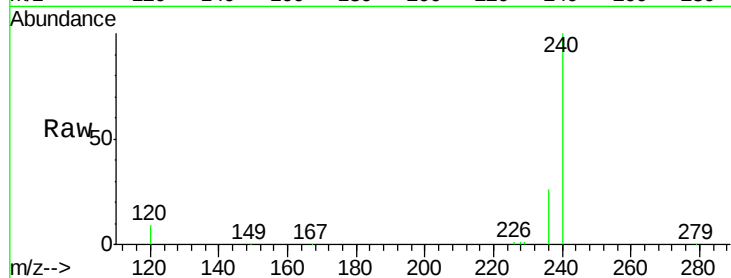
Tot Ion:240 Resp: 28077

Ion Ratio Lower Upper

240 100

120 9.2 7.5 11.3

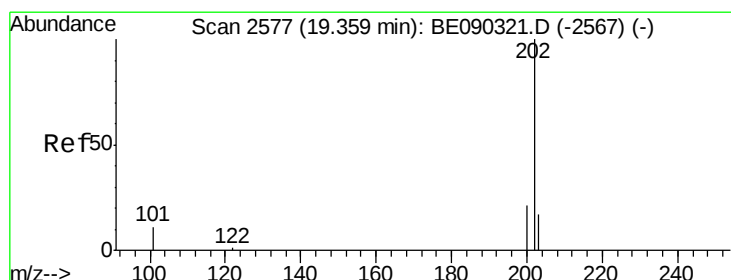
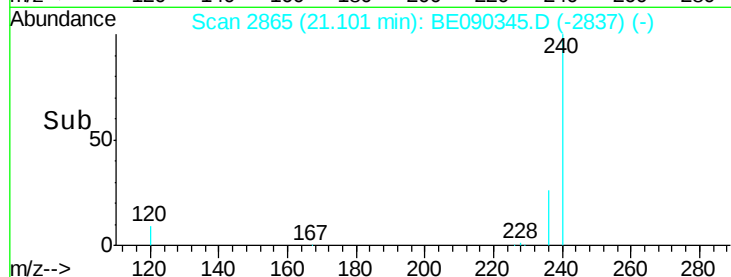
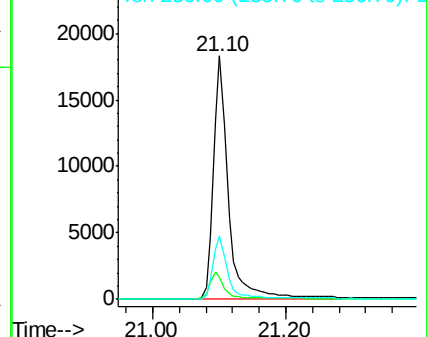
236 26.1 21.0 31.4



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: 0.13 ng

RT: 19.35 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

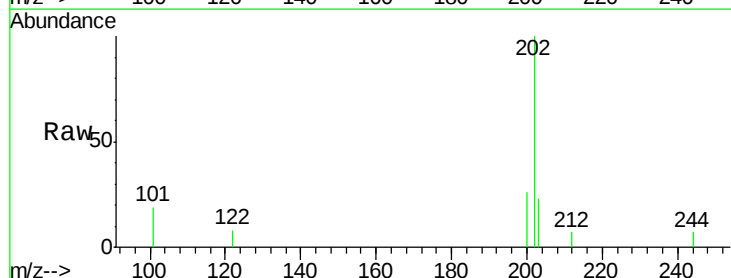
Tgt Ion:202 Resp: 1010

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

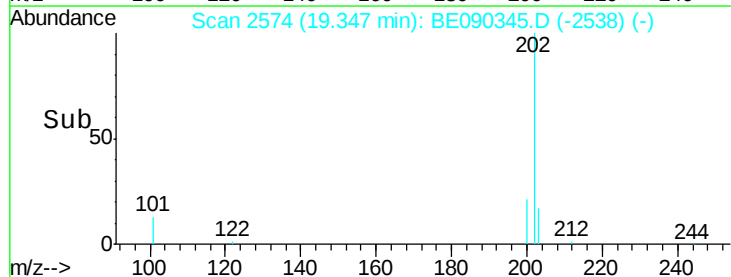
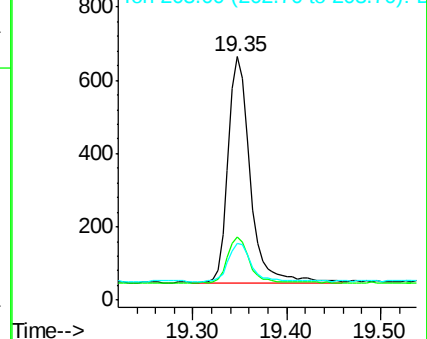
203 18.1 13.8 20.6

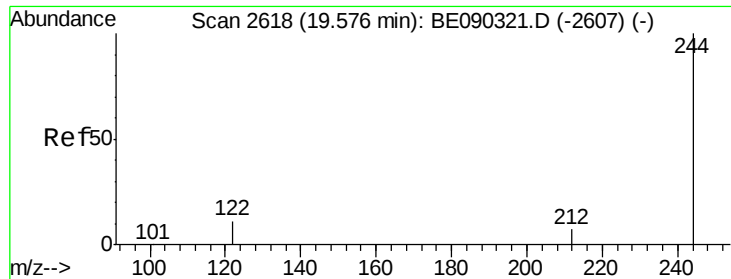


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

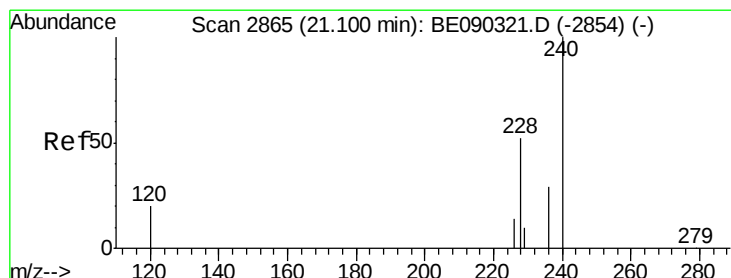
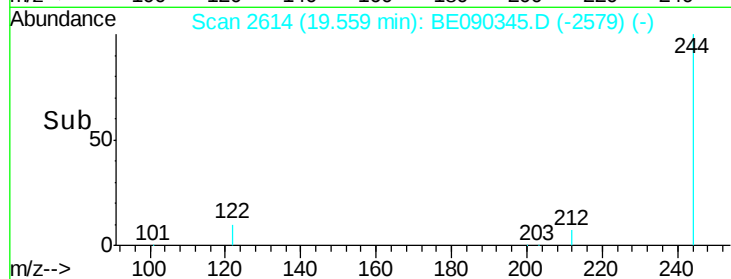
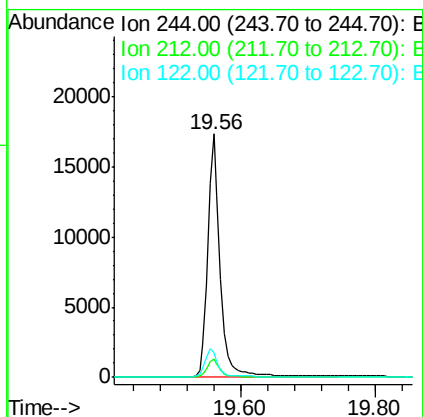
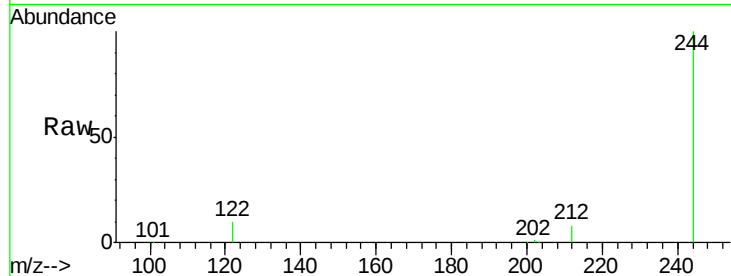




#27
 Terphenyl-d14
 Concen: 4.23 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.02 min
 Lab File: BE090345.D
 Acq: 4 Aug 2015 16:13

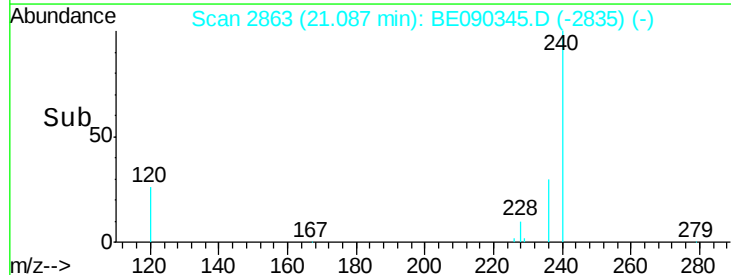
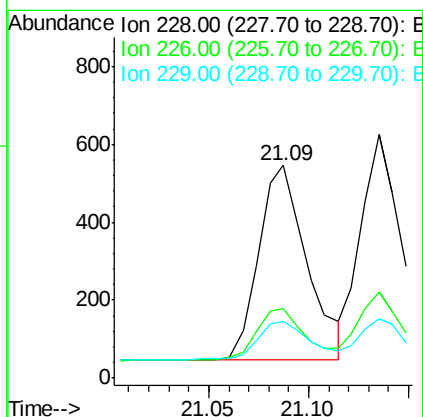
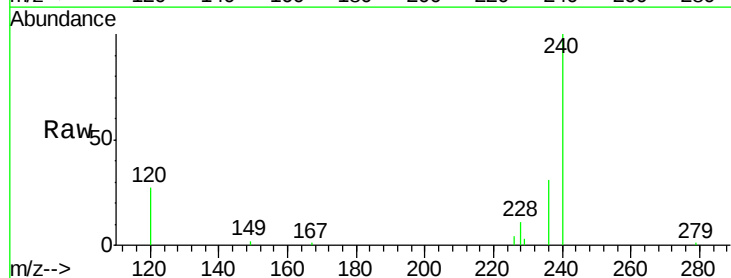
Instrument :
 BNA_E
 ClientSampleId :
 080115-D506-E-D-M

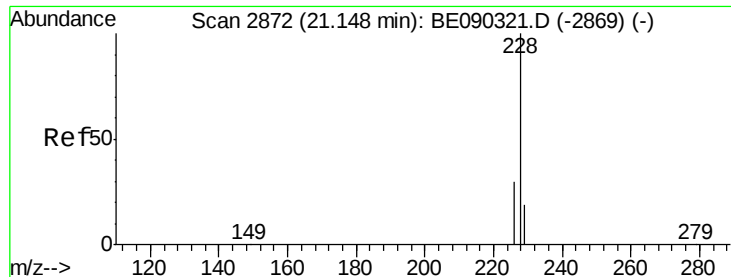
Tot Ion:244 Resp: 22234
 Ion Ratio Lower Upper
 244 100
 212 7.6 7.4 11.2
 122 10.1 10.4 15.6#



#28
 Benzo(a)anthracene
 Concen: 0.16 ng
 RT: 21.09 min Scan# 2863
 Delta R.T. -0.01 min
 Lab File: BE090345.D
 Acq: 4 Aug 2015 16:13

Tgt Ion:228 Resp: 836
 Ion Ratio Lower Upper
 228 100
 226 32.8 23.0 34.4
 229 26.7 17.4 26.2#





#29

Chrysene

Concen: 0.09 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

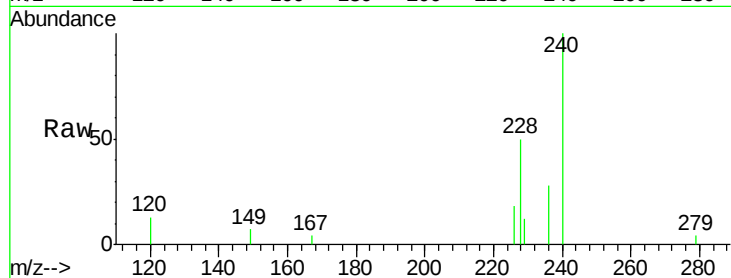
Tot Ion:228 Resp: 956

Ion Ratio Lower Upper

228 100

226 35.4 24.9 37.3

229 24.5 16.6 25.0



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

21.13

600

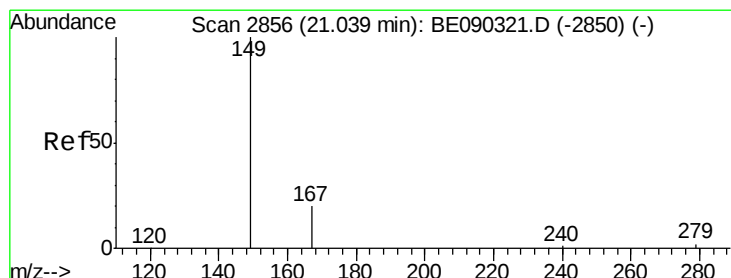
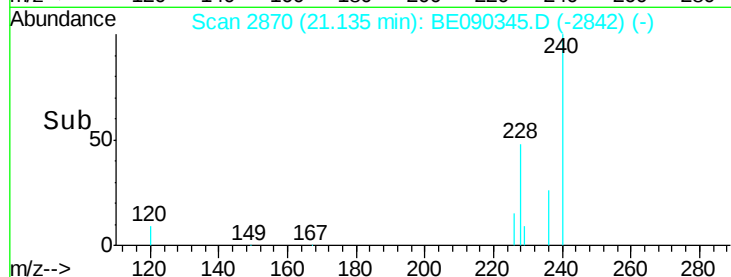
400

200

0

21.10 21.20 21.30

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.56 ng

RT: 21.03 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

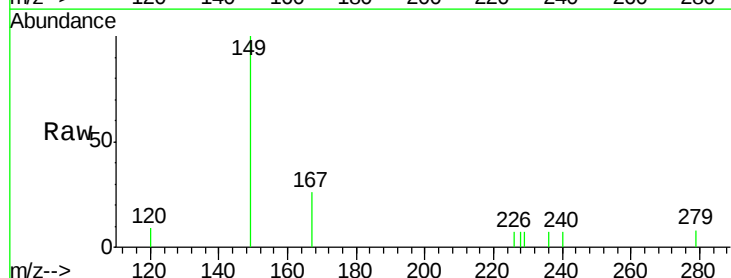
Tgt Ion:149 Resp: 746

Ion Ratio Lower Upper

149 100

167 21.7 16.6 24.8

279 3.4 2.7 4.1



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

21.03

800

600

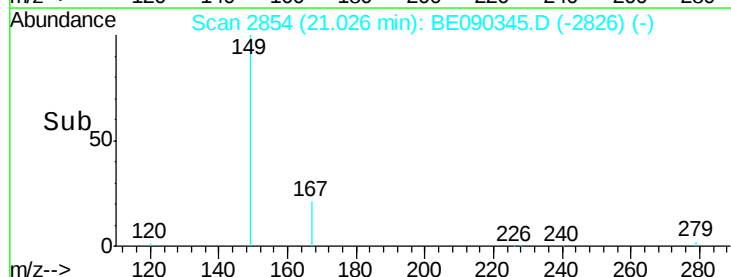
400

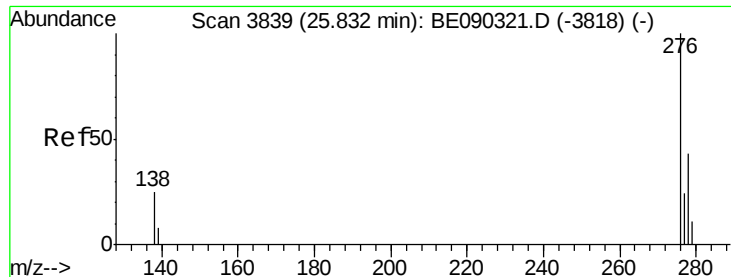
200

0

21.00 21.05 21.10

Time-->





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.32 ng

RT: 25.80 min Scan# 3830

Delta R.T. -0.04 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

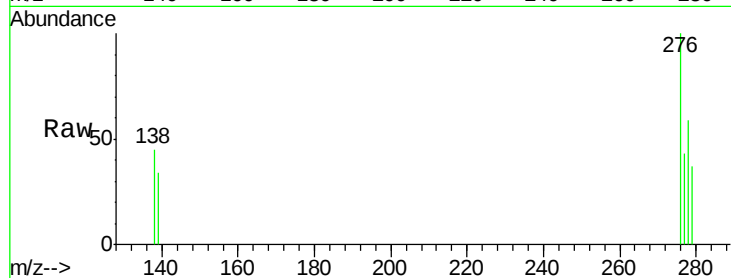
Tot Ion:276 Resp: 590

Ion Ratio Lower Upper

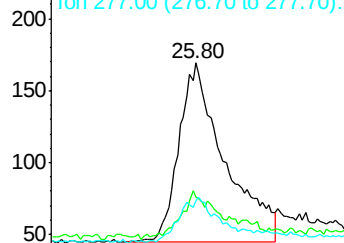
276 100

138 11.7 10.6 16.0

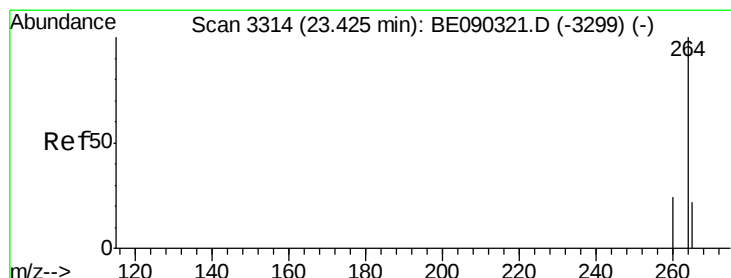
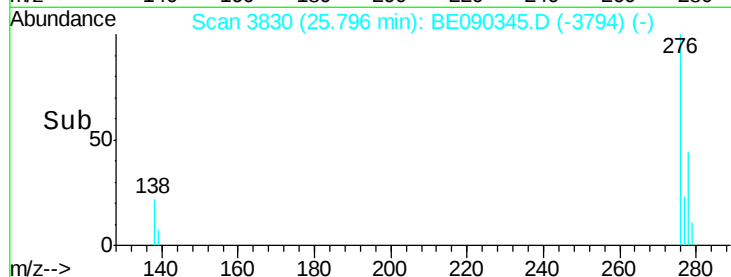
277 20.3 14.6 22.0



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



Time-->



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.41 min Scan# 3309

Delta R.T. -0.02 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

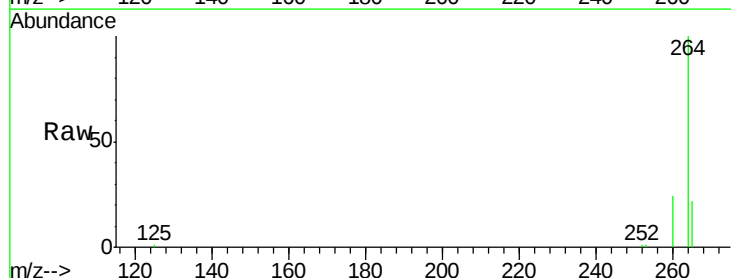
Tgt Ion:264 Resp: 26532

Ion Ratio Lower Upper

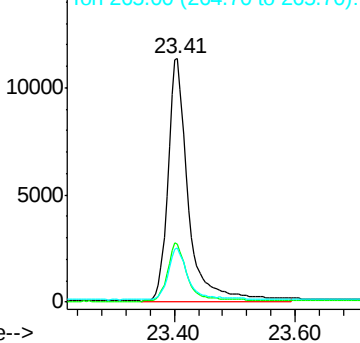
264 100

260 24.0 20.1 30.1

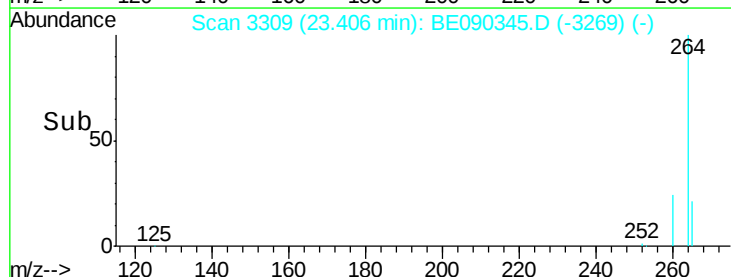
265 22.4 18.6 28.0

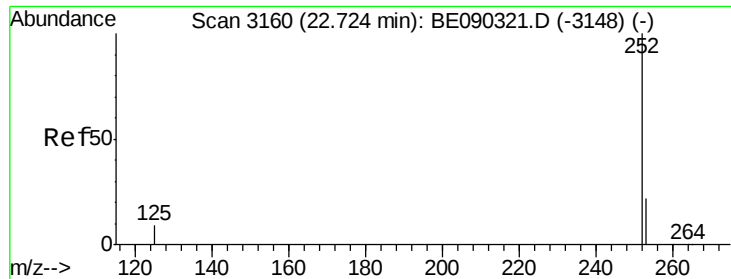


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#33

Benzo(b)fluoranthene

Concen: 0.47 ng

RT: 22.71 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

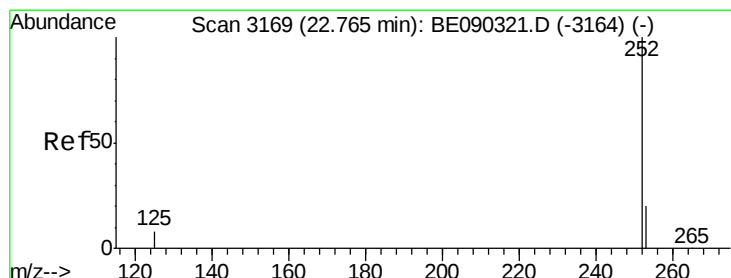
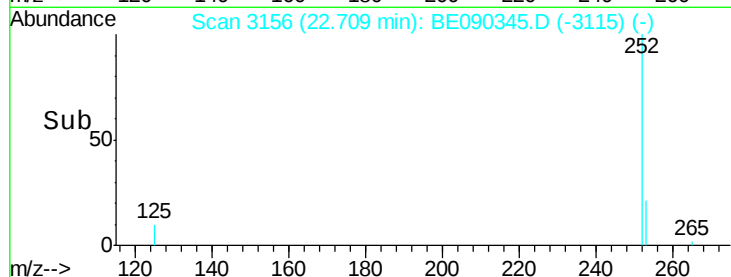
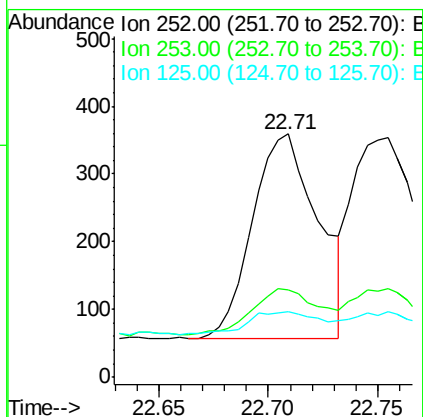
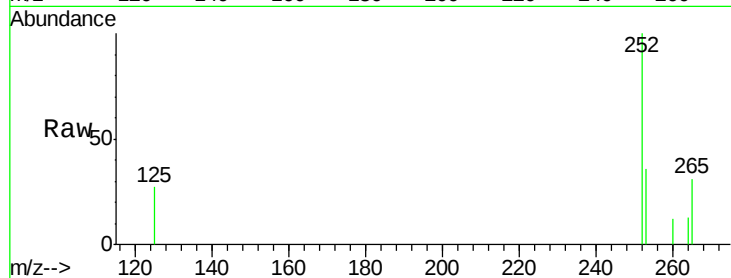
Tot Ion:252 Resp: 632

Ion Ratio Lower Upper

252 100

253 35.7 21.5 32.3#

125 26.7 11.8 17.8#



#34

Benzo(k)fluoranthene

Concen: 0.10 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

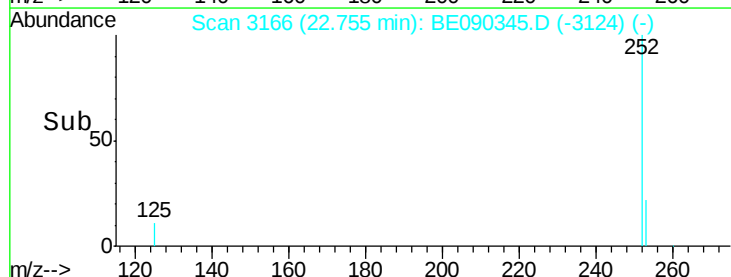
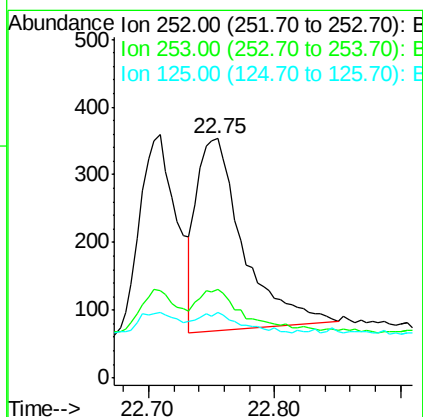
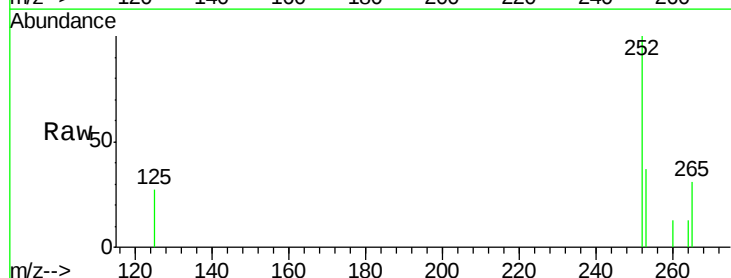
Tgt Ion:252 Resp: 718

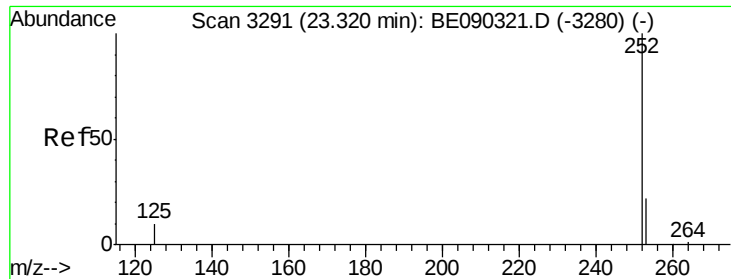
Ion Ratio Lower Upper

252 100

253 37.1 19.9 29.9#

125 27.5 11.2 16.8#





#35

Benzo(a)pyrene

Concen: 0.42 ng

RT: 23.30 min Scan# 3286

Delta R.T. -0.02 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

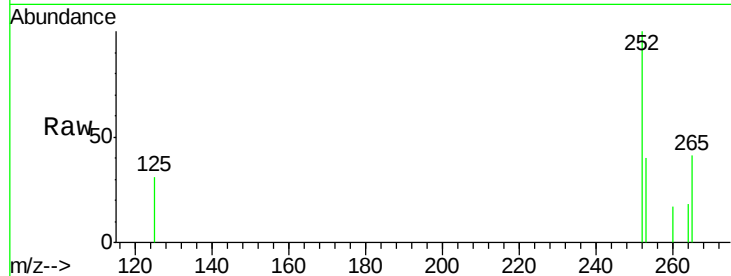
Tot Ion:252 Resp: 578

Ion Ratio Lower Upper

252 100

253 40.2 23.0 34.4#

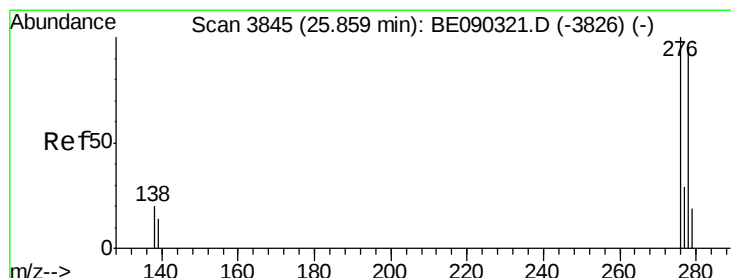
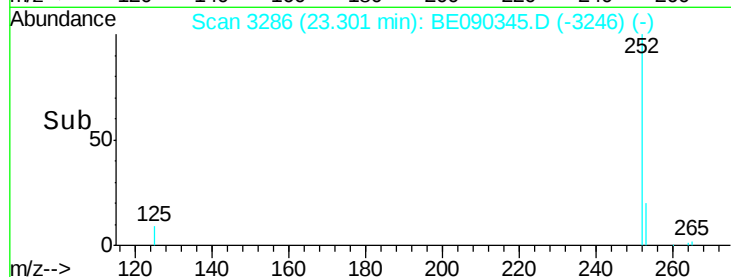
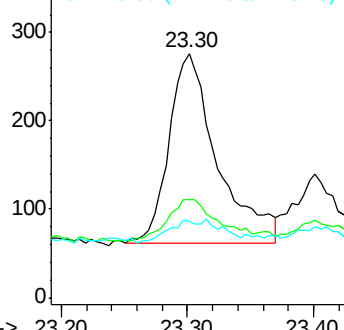
125 31.2 14.2 21.2#



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



#36

Dibenzo(a,h)anthracene

Concen: 0.34 ng

RT: 25.81 min Scan# 3834

Delta R.T. -0.04 min

Lab File: BE090345.D

Acq: 4 Aug 2015 16:13

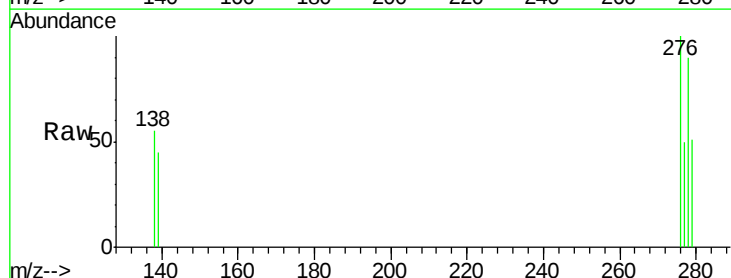
Tgt Ion:278 Resp: 372

Ion Ratio Lower Upper

278 100

139 50.0 27.8 41.6#

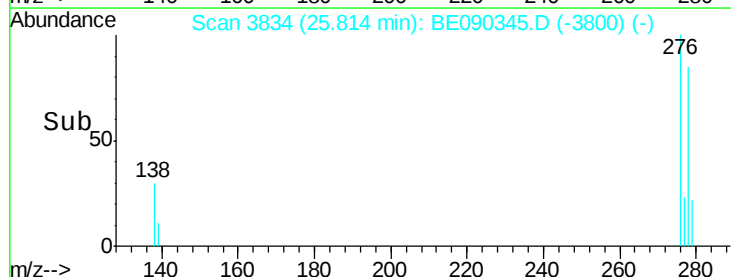
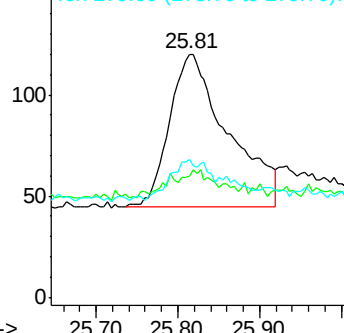
279 56.7 30.9 46.3#

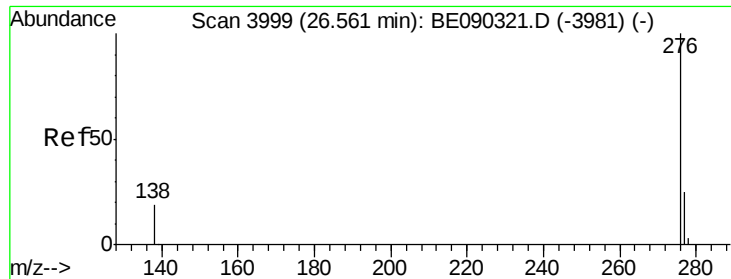


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 0.36 ng

RT: 26.53 min Scan# 3991

Delta R.T. -0.03 min

Lab File: BE090345.D

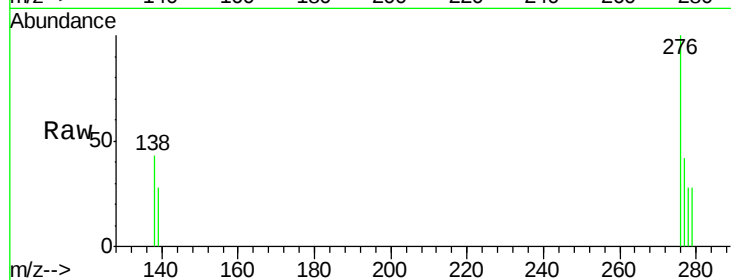
Acq: 4 Aug 2015 16:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M



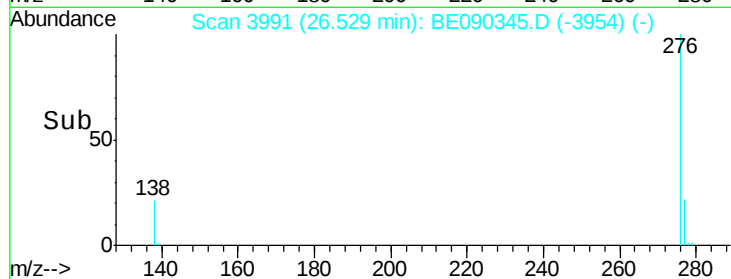
Tot Ion: 276 Resp: 626

Ion Ratio Lower Upper

276 100

277 41.6 25.6 38.4#

138 42.7 22.0 33.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

26.53

200

150

100

50

0

26.40 26.50 26.60 26.70

Time-->