

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081415\
 Data File : BE090524.D
 Acq On : 14 Aug 2015 17:19
 Operator : UM/IZ
 Sample : G3248-04DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CSB-02DL

Quant Time: Aug 17 04:18:06 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 14 16:52:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	22980	5.00	ng	0.00
6) Naphthalene-d8	10.33	136	116442	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	63280	5.00	ng	0.00
18) Phenanthrene-d10	16.93	188	142687	5.00	ng	-0.02
25) Chrysene-d12	21.09	240	144655	5.00	ng	0.00
32) Perylene-d12	23.39	264	132129	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	3675	0.55	ng	0.00
5) Phenol-d6	6.77	99	5659	0.58	ng	0.00
7) Nitrobenzene-d5	8.72	82	2998	0.32	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	1613	0.66	ng	-0.02
14) 2-Fluorobiphenyl	12.81	172	7286	0.39	ng	0.00
27) Terphenyl-d14	19.55	244	7016	0.27	ng	0.00

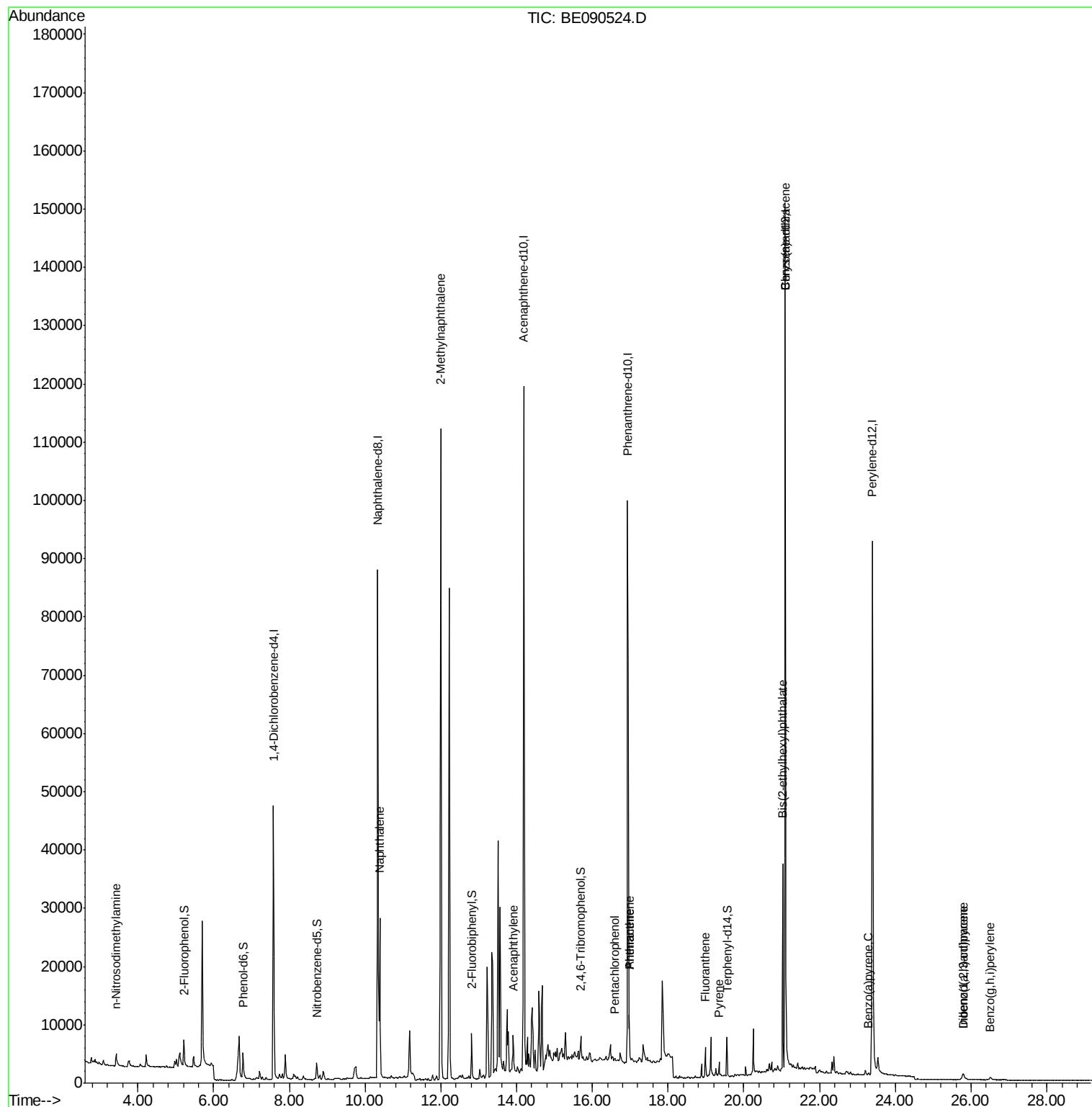
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	87	Below Cal	#	15
3) n-Nitrosodimethylamine	3.42	42	635	0.16	ng	# 1
9) Naphthalene	10.38	128	37022	1.40	ng	99
11) 2-Methylnaphthalene	12.00	142	78601	4.56	ng	98
15) Acenaphthylene	13.91	152	6833	0.06	ng	# 1
21) Pentachlorophenol	16.60	266	290	0.39	ng	94
22) Phenanthrene	16.98	178	9218	0.25	ng	98
23) Anthracene	16.98	178	9086	0.26	ng	97
24) Fluoranthene	18.98	202	4859	0.12	ng	# 80
26) Pyrene	19.34	202	2246	0.05	ng	98
28) Benzo(a)anthracene	21.09	228	844	0.02	ng	# 61
30) Bis(2-ethylhexyl)phthalate	21.03	149	34041	1.60	ng	100
31) Indeno(1,2,3-cd)pyrene	25.78	276	1538	0.04	ng	# 87
35) Benzo(a)pyrene	23.30	252	742	0.03	ng	# 1
36) Dibenzo(a,h)anthracene	25.80	278	1379	0.05	ng	# 54
37) Benzo(g,h,i)perylene	26.51	276	1054	0.03	ng	# 55

(#) = 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# 844

Delta R.T. -0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

BNA_E

ClientSampleId :

CSB-02DL

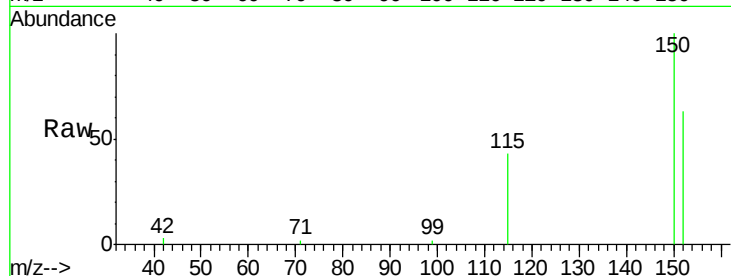
Tot Ion:152 Resp: 22980

Ion Ratio Lower Upper

152 100

150 158.8 123.0 184.4

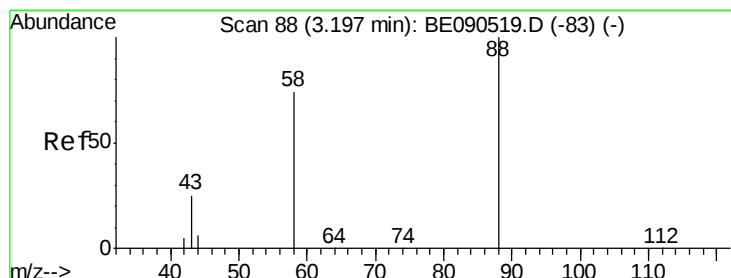
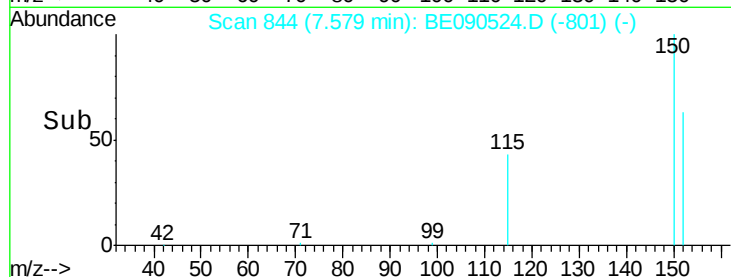
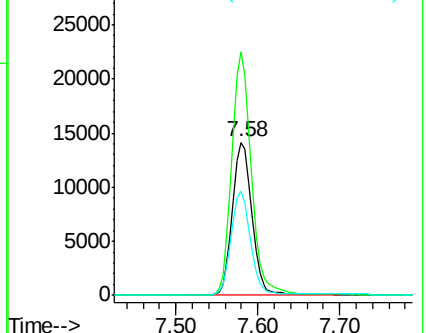
115 68.0 48.9 73.3



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.26 min Scan# 98

Delta R.T. 0.07 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

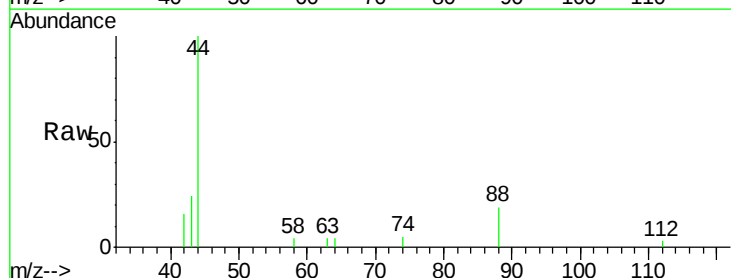
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

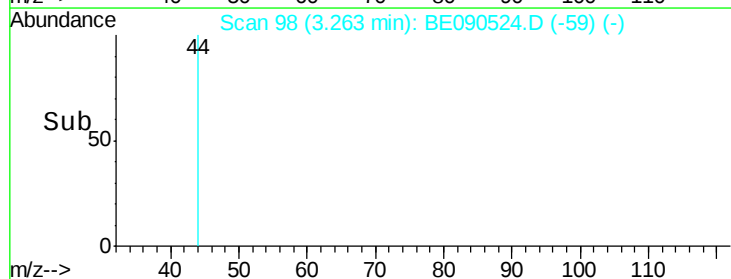
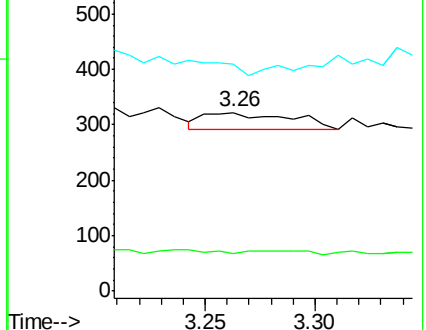
43 0.0 28.4 42.6#



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





#3

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.42 min Scan# 121

Delta R.T. -0.07 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

BNA_E

ClientSampled :

CSB-02DL

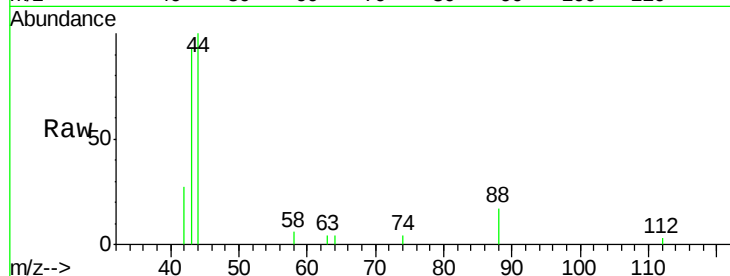
Tot Ion: 42 Resp: 635

Ion Ratio Lower Upper

42 100

74 5.4 75.2 112.8#

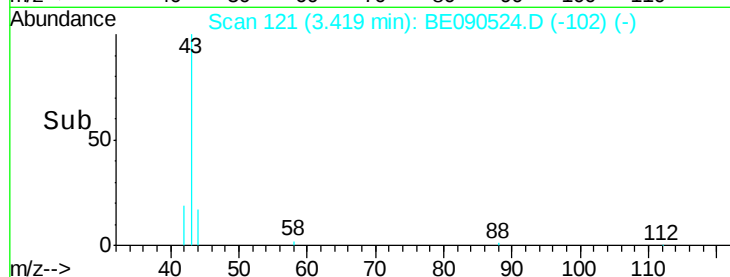
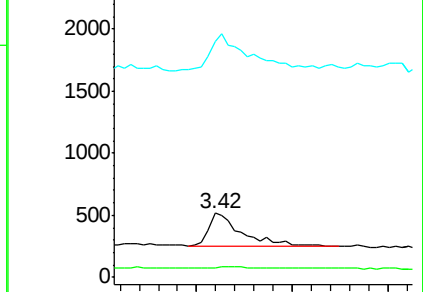
44 141.7 8.7 13.1#



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: 0.55 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

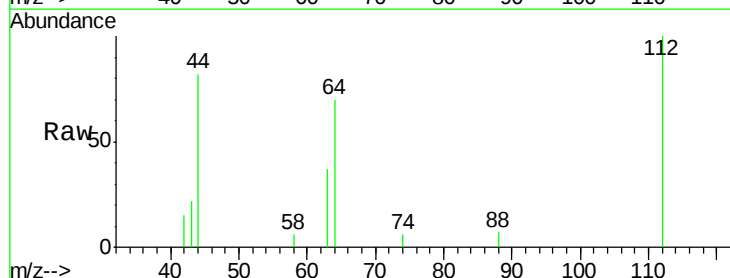
Tgt Ion: 112 Resp: 3675

Ion Ratio Lower Upper

112 100

64 70.0 37.1 55.7#

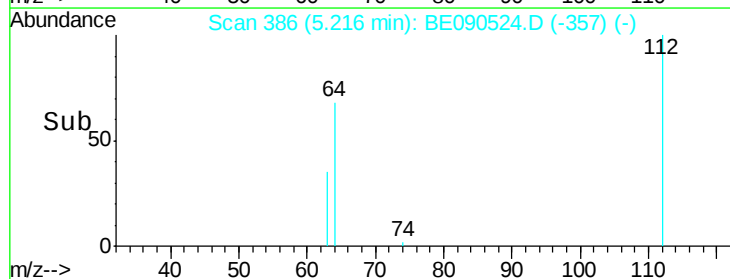
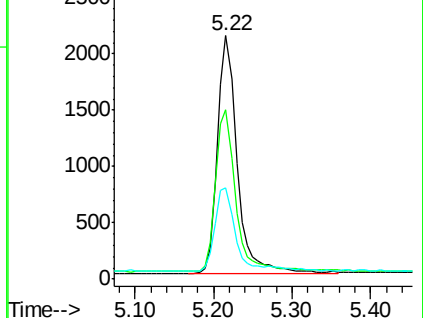
63 37.7 19.5 29.3#

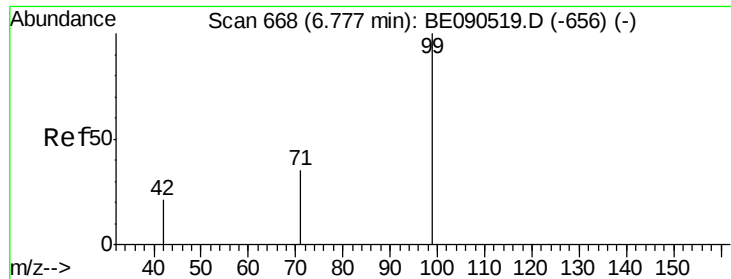


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.58 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

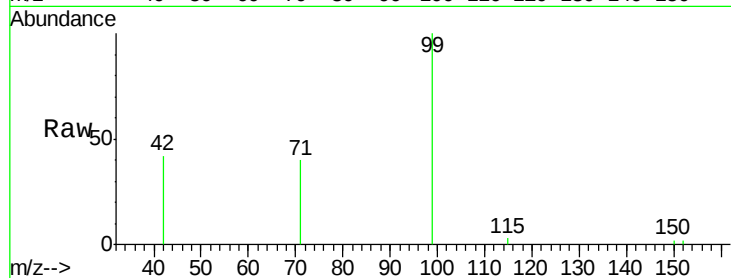
BNA_E

ClientSampleId :

CSB-02DL

Tot Ion: 99 Resp: 5659

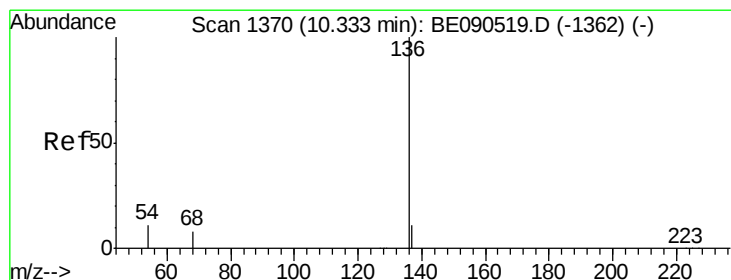
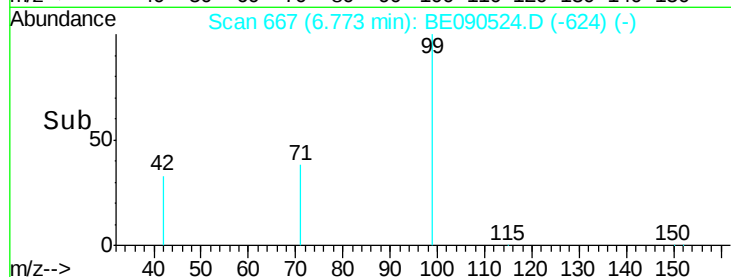
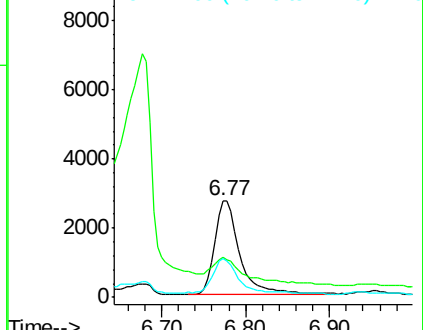
Ion	Ratio	Lower	Upper
99	100		
42	41.9	18.2	27.4#
71	40.1	27.4	41.0



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: 10.33 min Scan# 1370

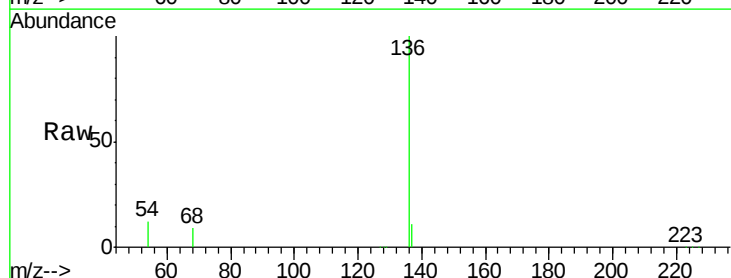
Delta R.T. -0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Tgt Ion: 136 Resp: 116442

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	12.3	9.4	14.0
68	9.1	6.5	9.7

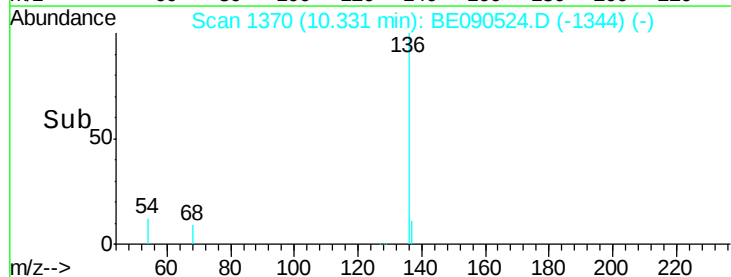
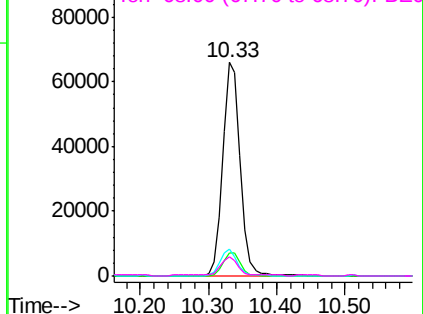


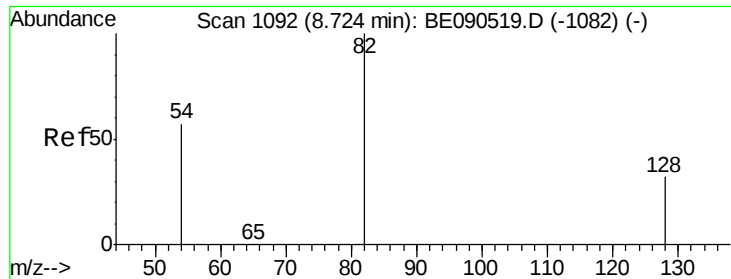
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.32 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

BNA_E

ClientSampleId :

CSB-02DL

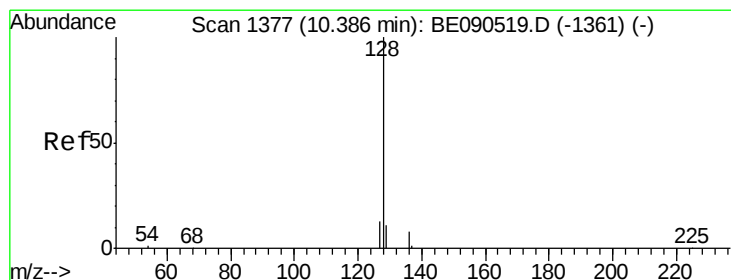
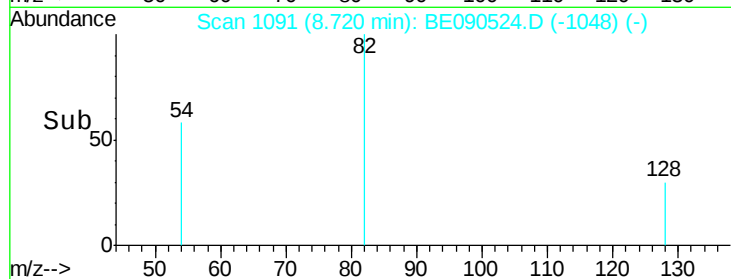
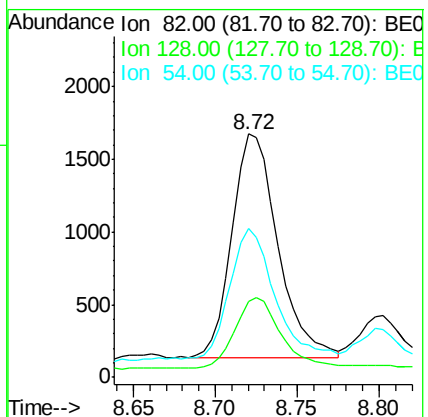
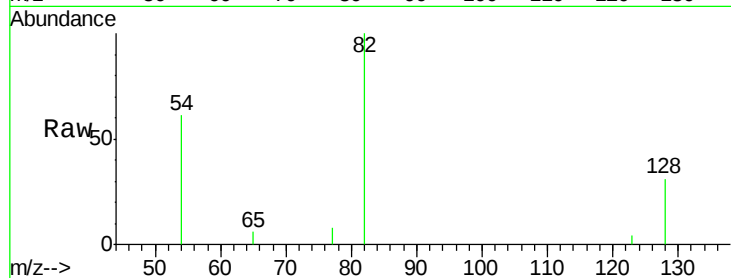
Tot Ion: 82 Resp: 2998

Ion Ratio Lower Upper

82 100

128 31.2 25.0 37.6

54 61.3 48.8 73.2



#9

Naphthalene

Concen: 1.40 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

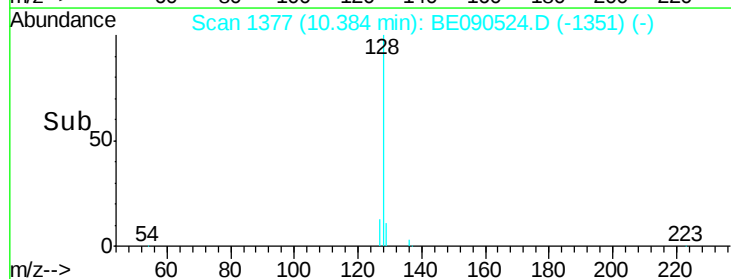
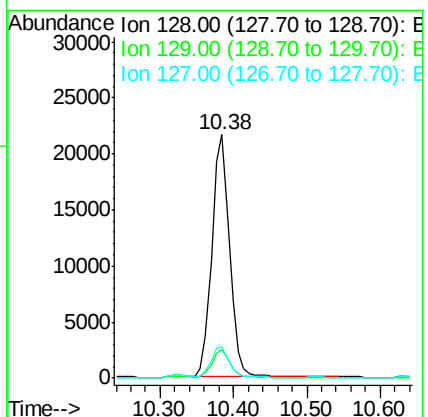
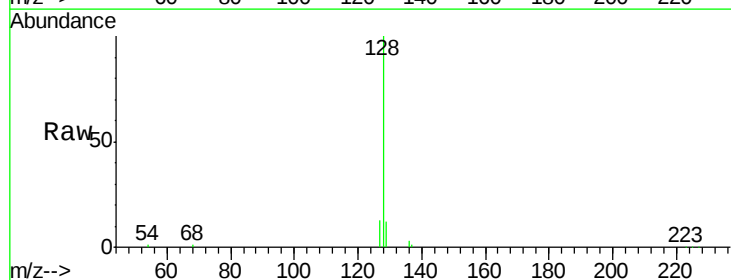
Tgt Ion: 128 Resp: 37022

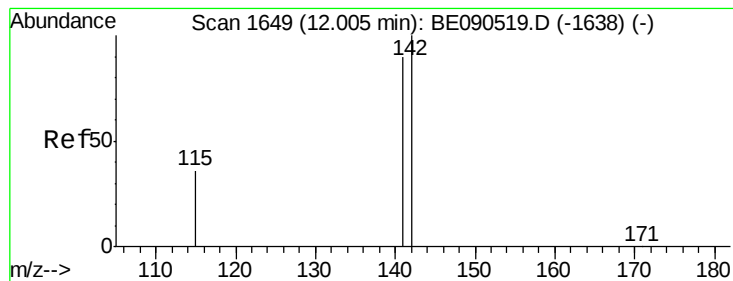
Ion Ratio Lower Upper

128 100

129 11.5 9.8 14.6

127 13.0 10.6 16.0





#11

2-Methylnaphthalene

Concen: 4.56 ng

RT: 12.00 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

BNA_E

ClientSampleId :

CSB-02DL

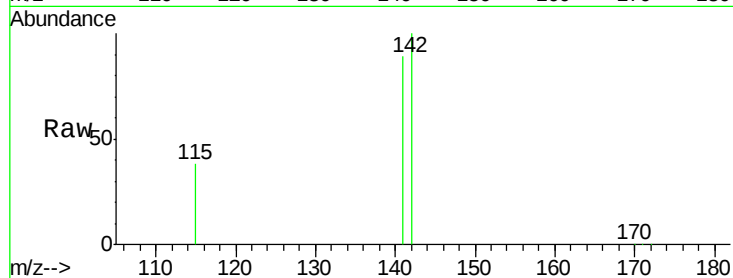
Tot Ion:142 Resp: 78601

Ion Ratio Lower Upper

142 100

141 89.4 72.6 109.0

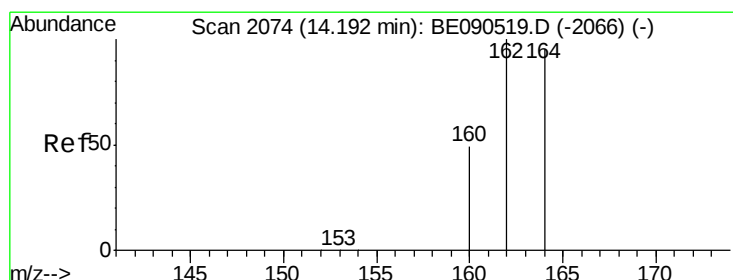
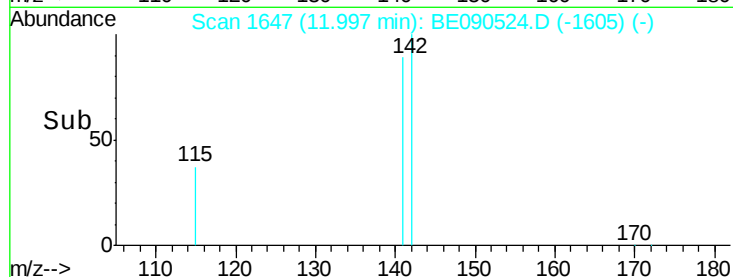
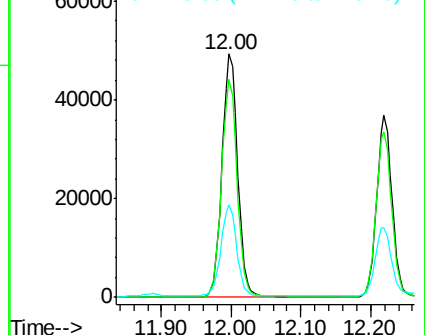
115 37.9 31.6 47.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

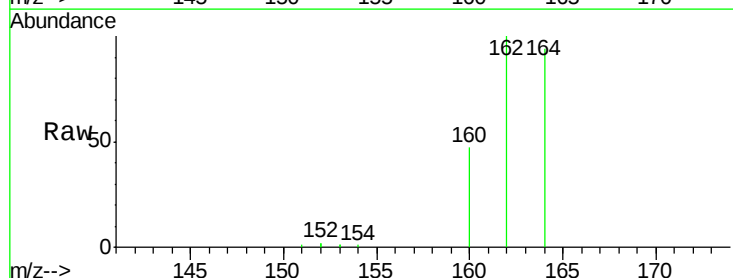
Tgt Ion:164 Resp: 63280

Ion Ratio Lower Upper

164 100

162 106.5 81.8 122.8

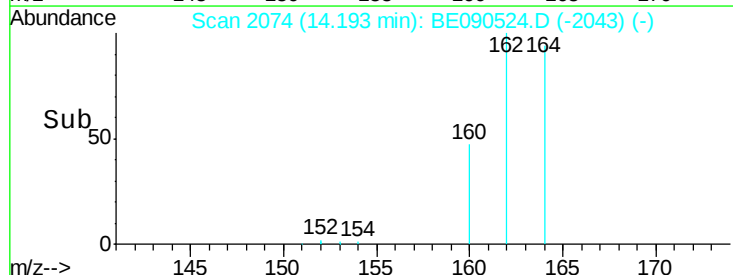
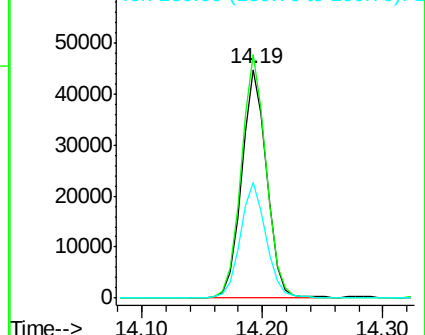
160 50.5 44.2 66.4

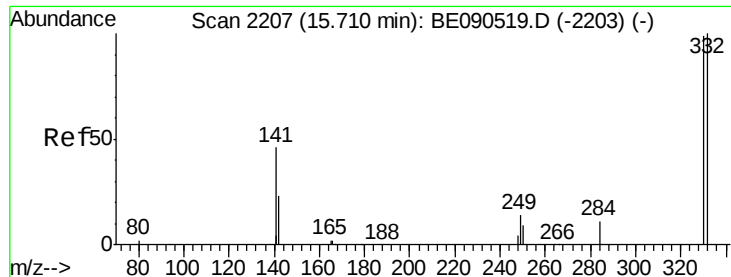


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

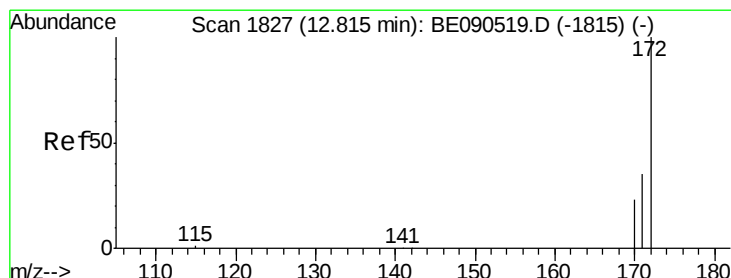
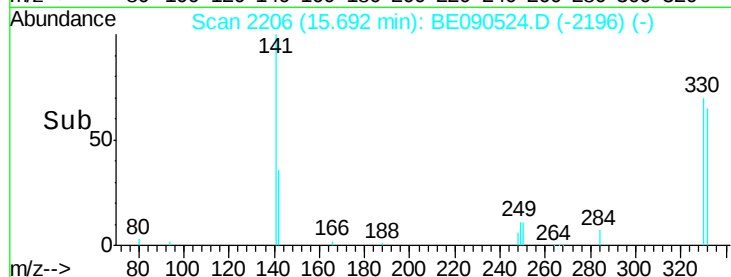
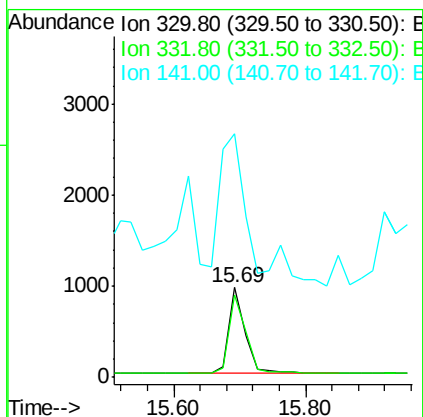
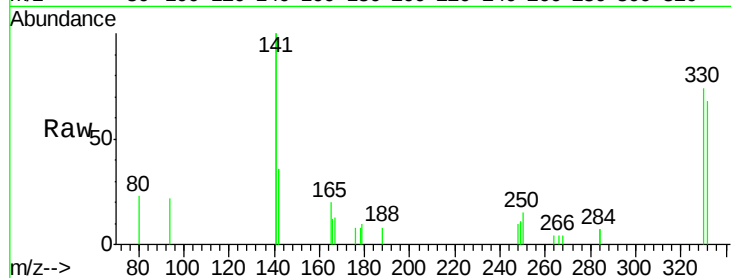




#13
 2,4,6-Tribromophenol
 Concen: 0.66 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090524.D
 Acq: 14 Aug 2015 17:19

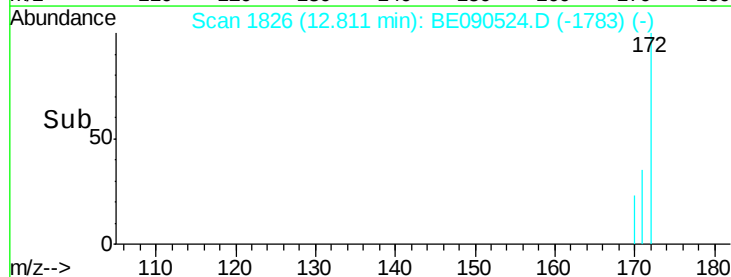
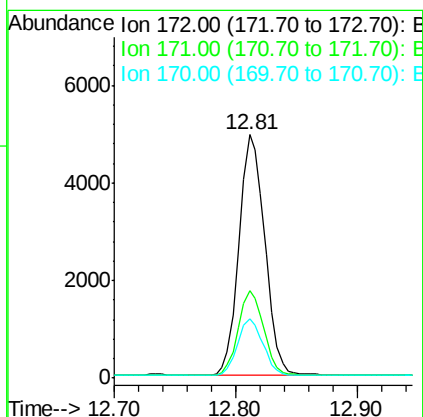
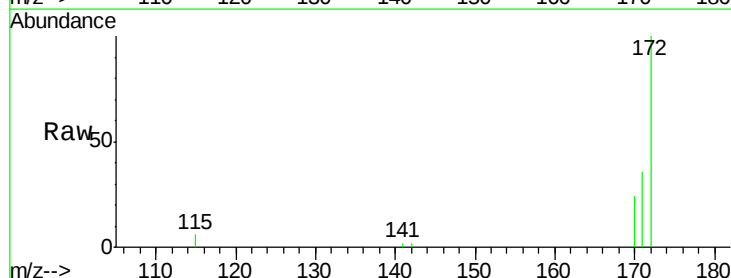
Instrument :
 BNA_E
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 CSB-02DL

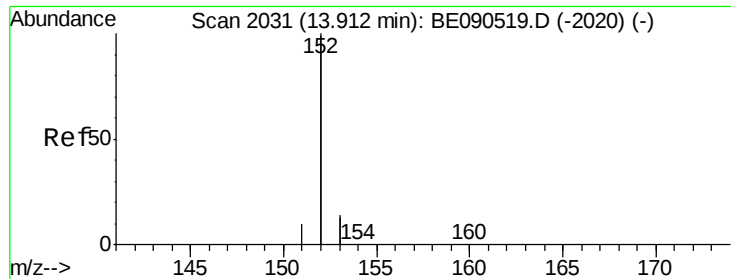
Tot Ion:330 Resp: 1613
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.8 113.6
 141 221.6 114.4 171.6#



#14
 2-Fluorobiphenyl
 Concen: 0.39 ng
 RT: 12.81 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: BE090524.D
 Acq: 14 Aug 2015 17:19

Tgt Ion:172 Resp: 7286
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.5 42.7
 170 24.1 19.8 29.8





#15

Acenaphthylene

Concen: 0.06 ng

RT: 13.91 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

BNA_E

ClientSampleId :

CSB-02DL

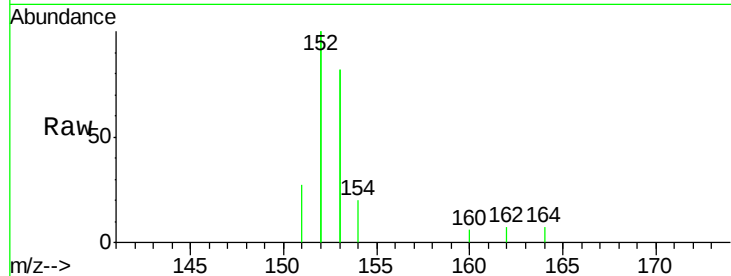
Tot Ion:152 Resp: 6833

Ion Ratio Lower Upper

152 100

151 8.6 3.8 5.8#

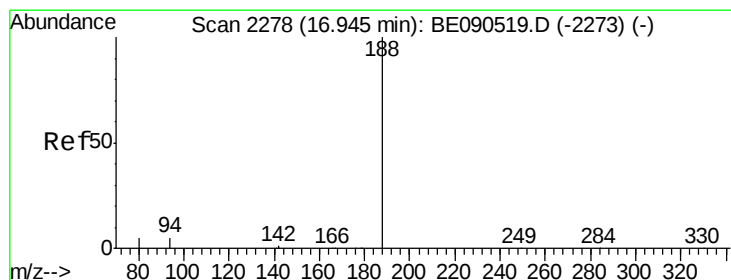
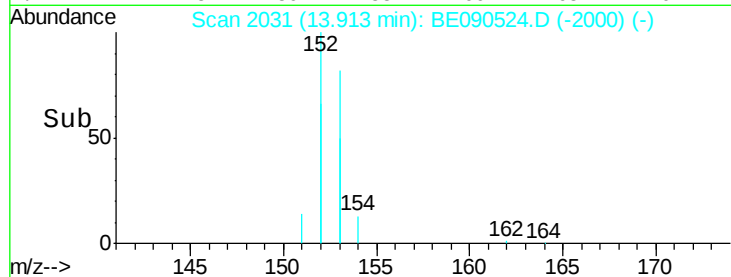
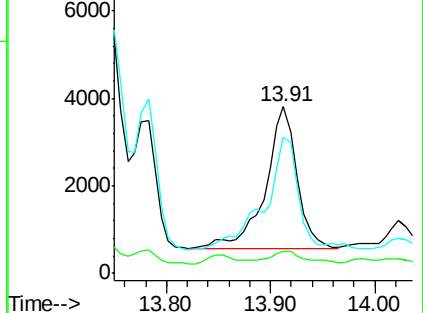
153 83.9 10.3 15.5#



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.93 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

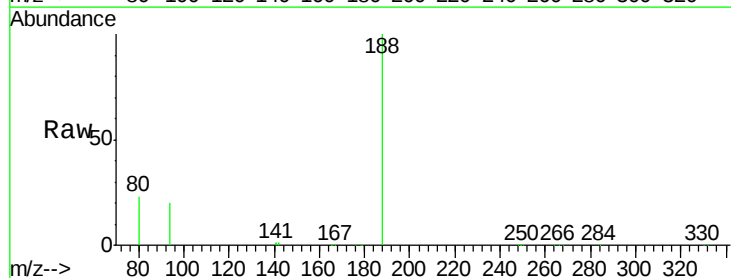
Tgt Ion:188 Resp: 142687

Ion Ratio Lower Upper

188 100

94 20.5 5.7 8.5#

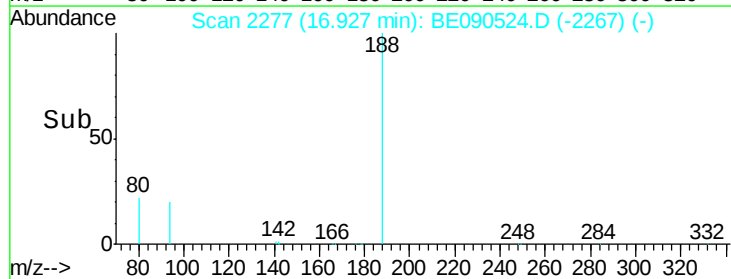
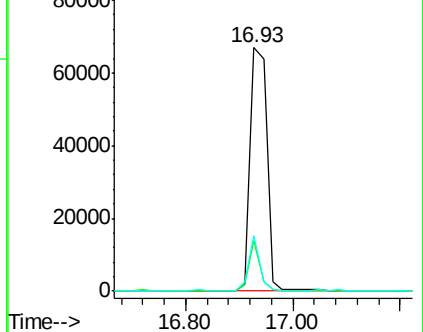
80 22.7 5.8 8.8#

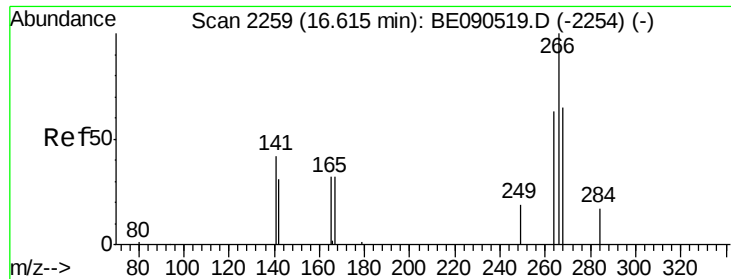


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

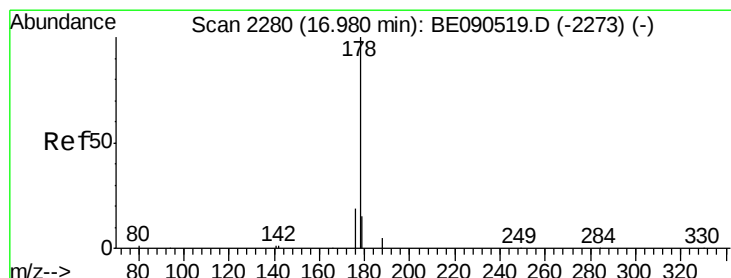
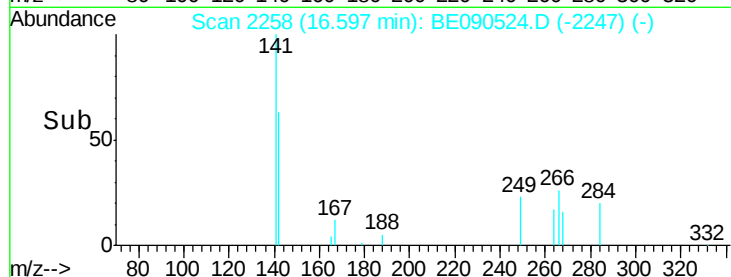
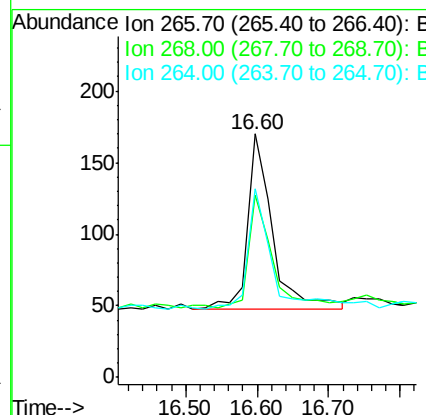
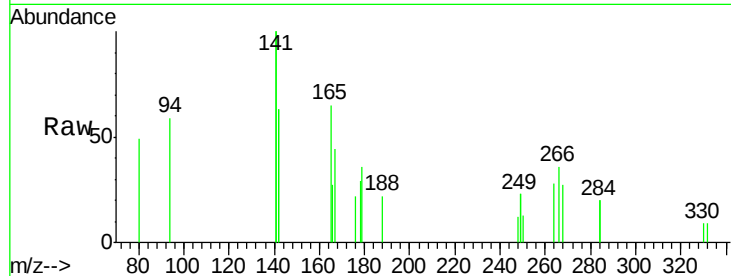




#21
 Pentachlorophenol
 Concen: 0.39 ng
 RT: 16.60 min Scan# 2258
 Delta R.T. -0.02 min
 Lab File: BE090524.D
 Acq: 14 Aug 2015 17:19

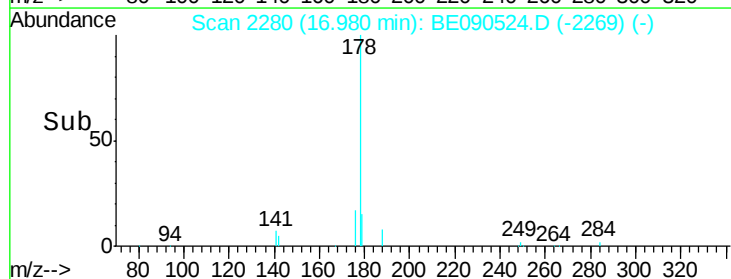
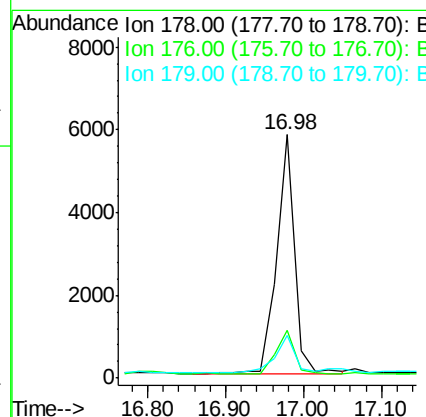
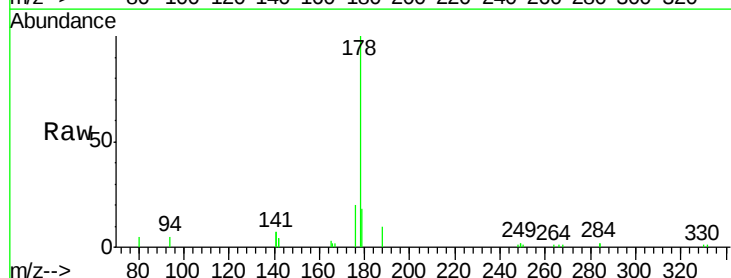
Instrument :
 BNA_E
 ClientSampleId :
 CSB-02DL

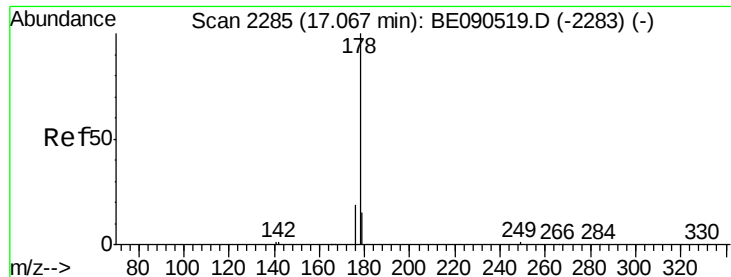
Tot Ion:266 Resp: 290
 Ion Ratio Lower Upper
 266 100
 268 74.7 58.5 87.7
 264 77.6 56.0 84.0



#22
 Phenanthrene
 Concen: 0.25 ng
 RT: 16.98 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE090524.D
 Acq: 14 Aug 2015 17:19

Tgt Ion:178 Resp: 9218
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 17.1 12.5 18.7





#23

Anthracene

Concen: 0.26 ng

RT: 16.98 min Scan# 2280

Delta R.T. -0.09 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

BNA_E

ClientSampleId :

CSB-02DL

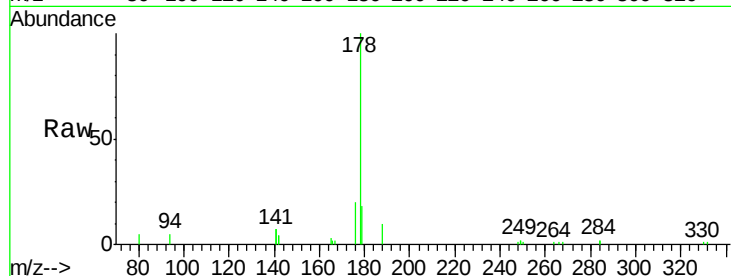
Tot Ion:178 Resp: 9086

Ion Ratio Lower Upper

178 100

176 19.6 14.9 22.3

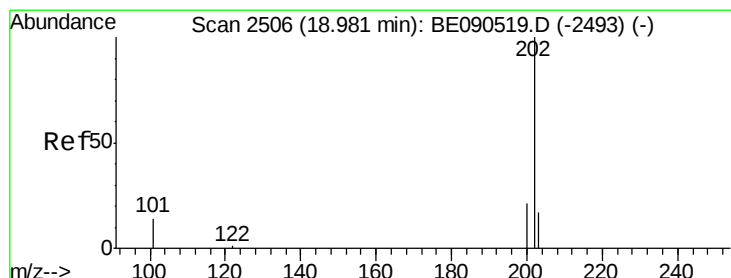
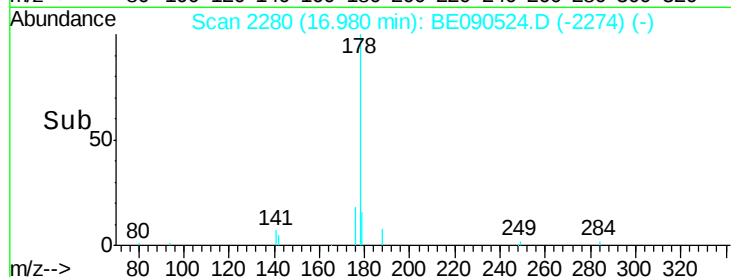
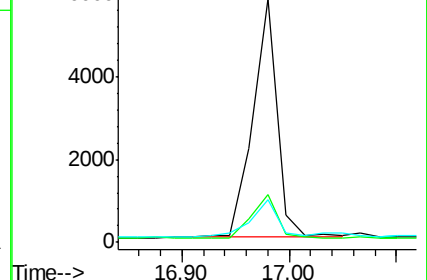
179 17.0 12.2 18.4



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: 0.12 ng

RT: 18.98 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

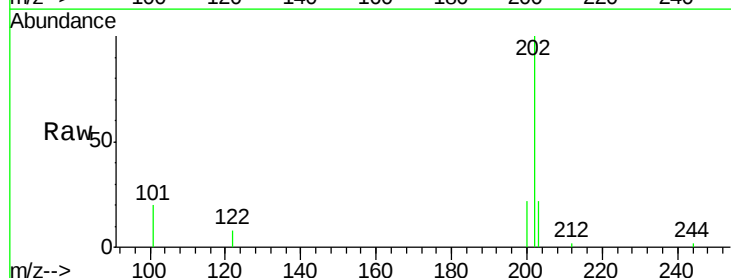
Tgt Ion:202 Resp: 4859

Ion Ratio Lower Upper

202 100

101 30.1 10.3 15.5#

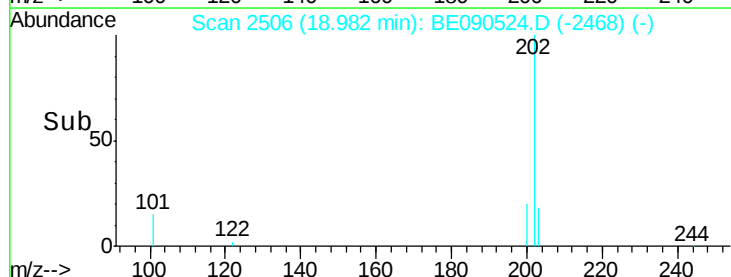
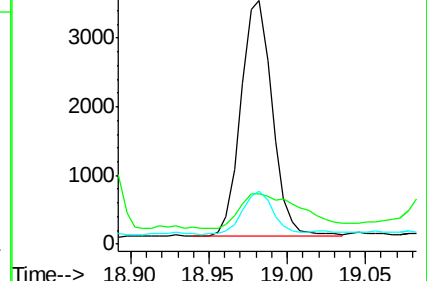
203 17.8 13.7 20.5

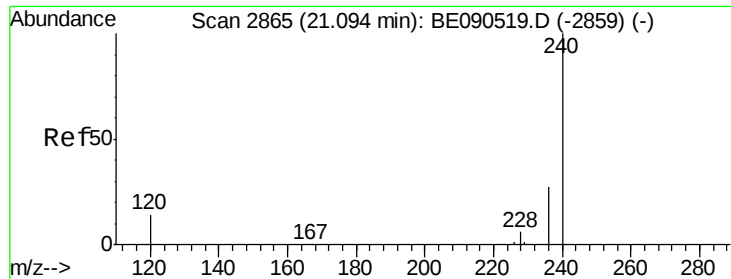


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

BNA_E

ClientSampleId :

CSB-02DL

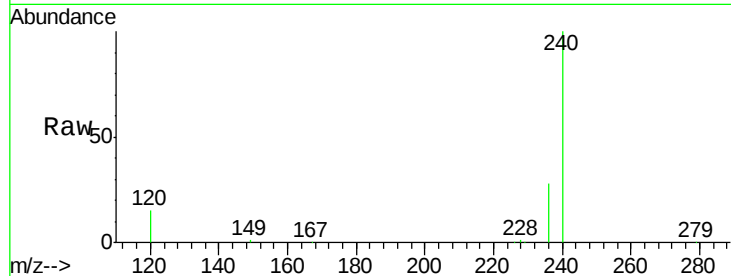
Tot Ion:240 Resp: 144655

Ion Ratio Lower Upper

240 100

120 14.6 8.3 12.5#

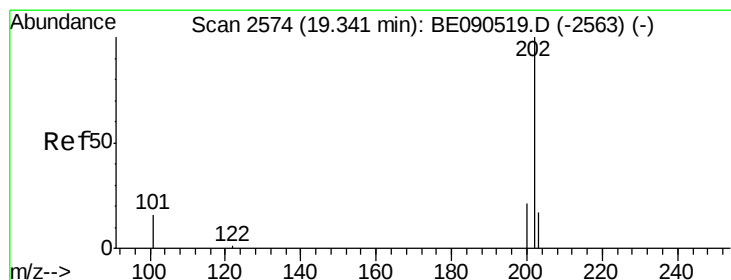
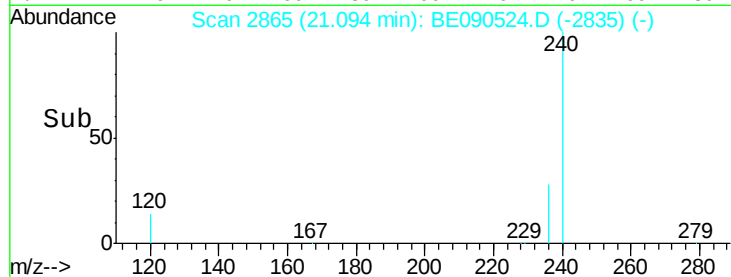
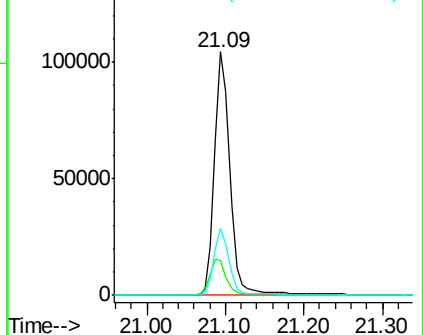
236 27.7 21.0 31.4



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: 0.05 ng

RT: 19.34 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

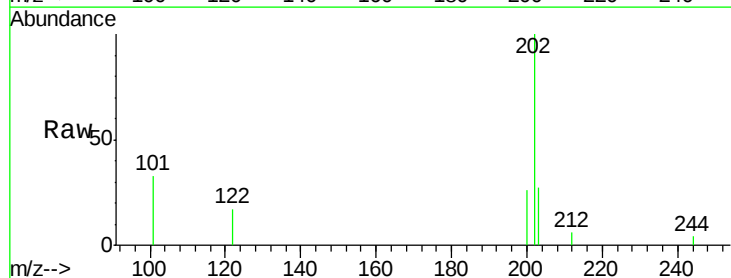
Tgt Ion:202 Resp: 2246

Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

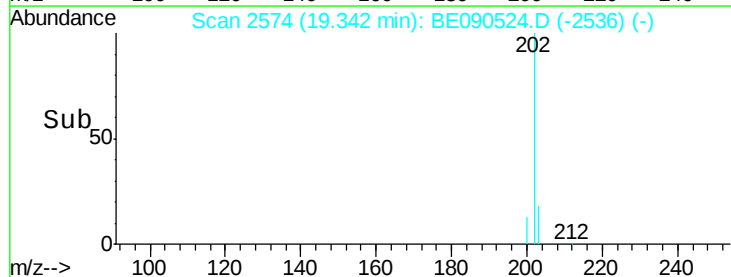
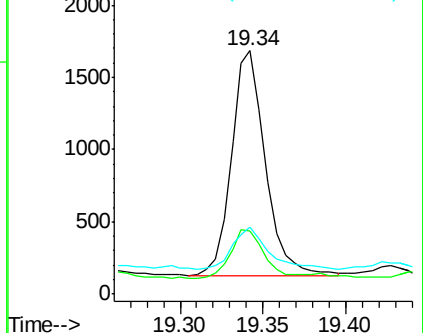
203 19.0 13.8 20.8

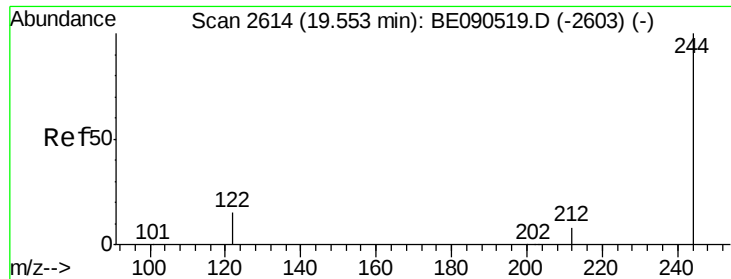


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

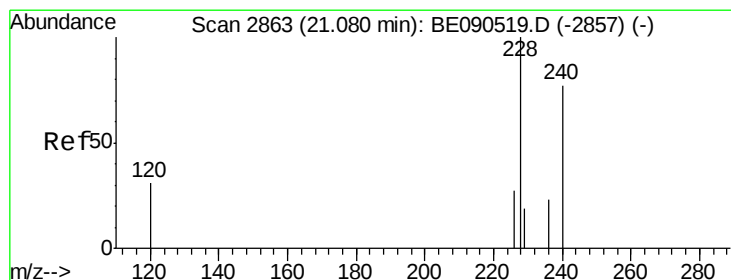
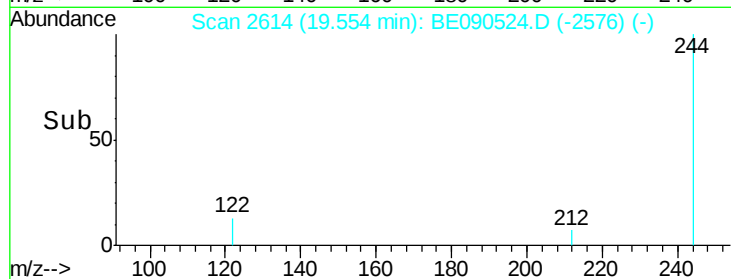
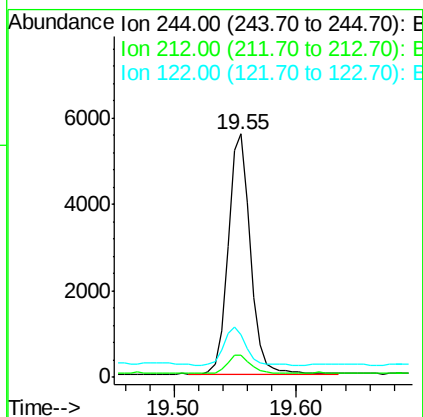
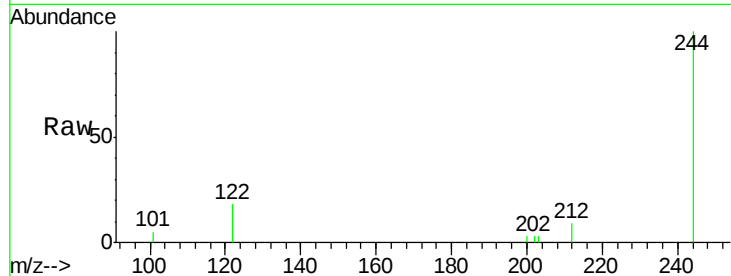




#27
 Terphenyl-d14
 Concen: 0.27 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. 0.00 min
 Lab File: BE090524.D
 Acq: 14 Aug 2015 17:19

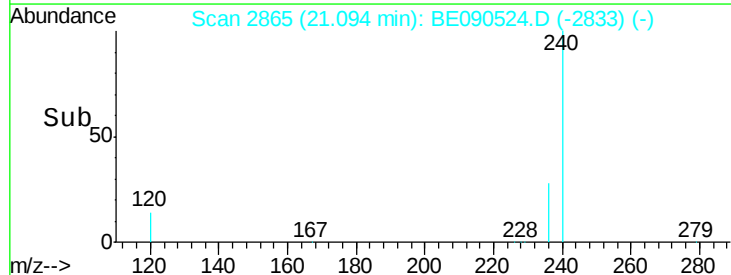
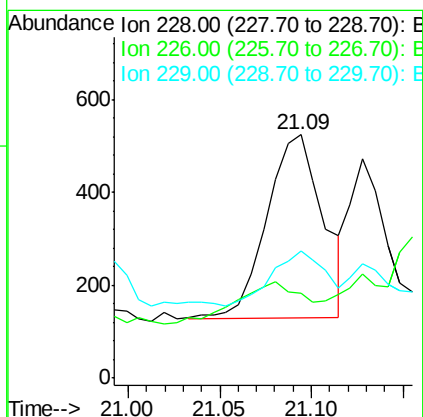
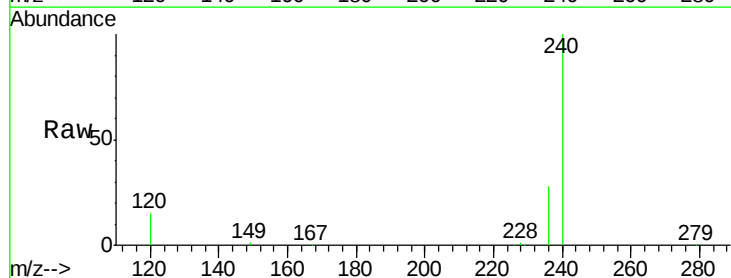
Instrument :
 BNA_E
 ClientSampleID :
 CSB-02DL

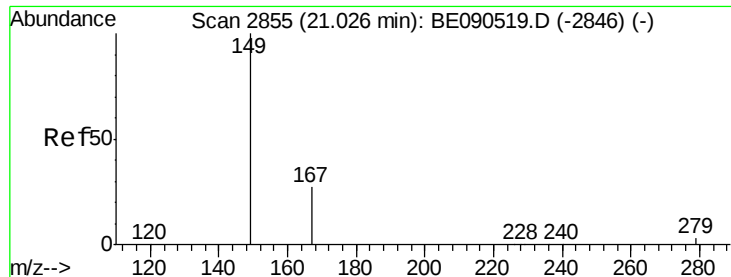
Tot Ion:244 Resp: 7016
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.6 9.8
 122 17.5 10.2 15.4#



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.09 min Scan# 2865
 Delta R.T. 0.01 min
 Lab File: BE090524.D
 Acq: 14 Aug 2015 17:19

Tgt Ion:228 Resp: 844
 Ion Ratio Lower Upper
 228 100
 226 35.0 21.9 32.9#
 229 52.2 15.4 23.0#

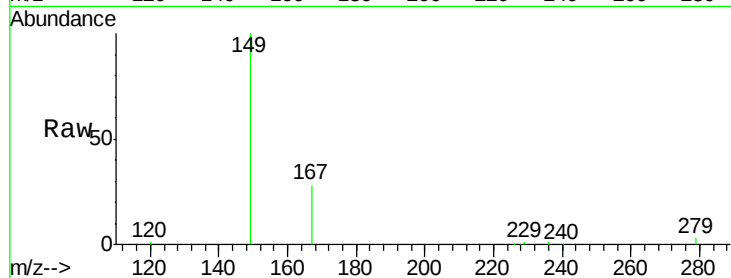




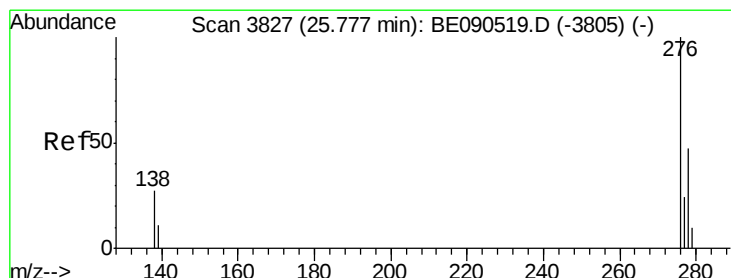
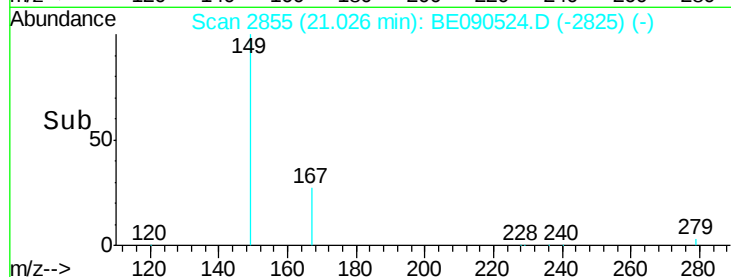
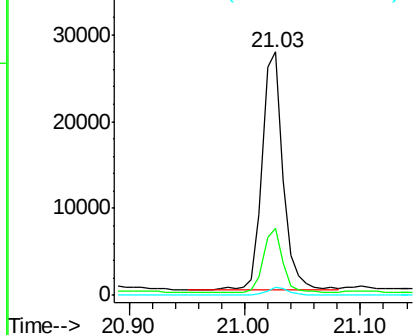
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.60 ng
 RT: 21.03 min Scan# 2855
 Delta R.T. 0.00 min
 Lab File: BE090524.D
 Acq: 14 Aug 2015 17:19

Instrument :
 BNA_E
 ClientSampleId :
 CSB-02DL

Tot Ion:149 Resp: 34041
 Ion Ratio Lower Upper
 149 100
 167 25.0 19.8 29.8
 279 2.9 2.4 3.6

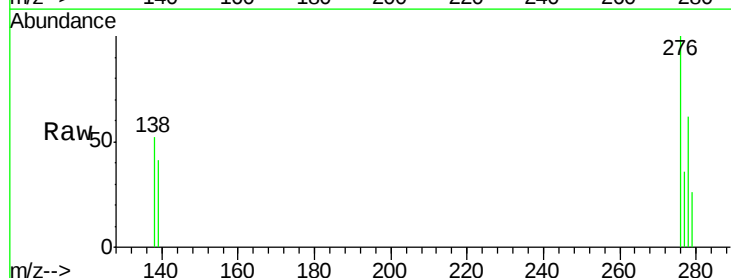


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

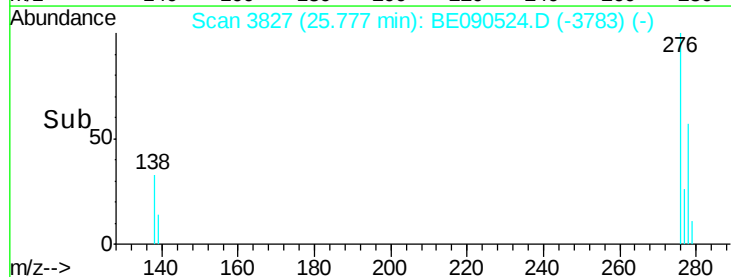
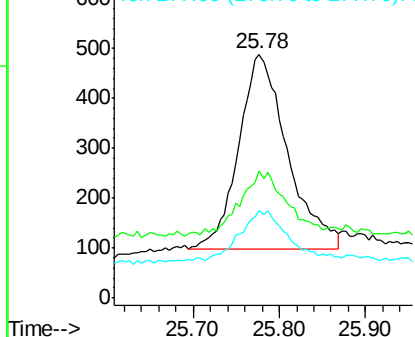


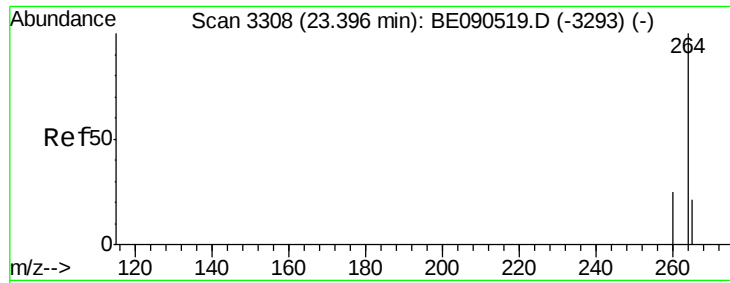
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng
 RT: 25.78 min Scan# 3827
 Delta R.T. 0.00 min
 Lab File: BE090524.D
 Acq: 14 Aug 2015 17:19

Tgt Ion:276 Resp: 1538
 Ion Ratio Lower Upper
 276 100
 138 33.6 18.8 28.2#
 277 25.3 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

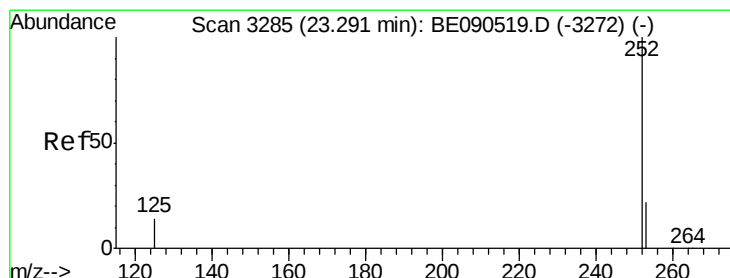
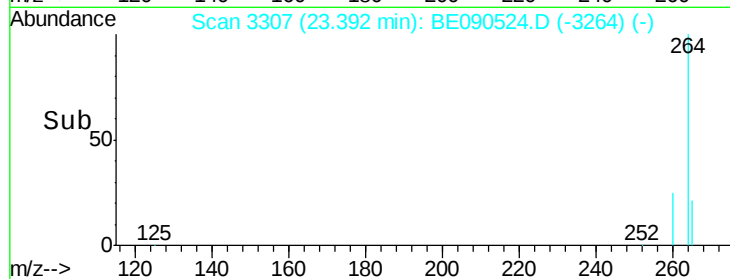
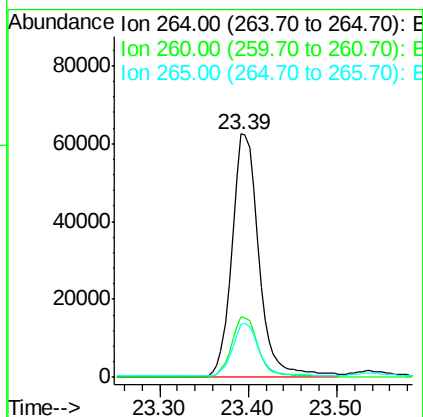
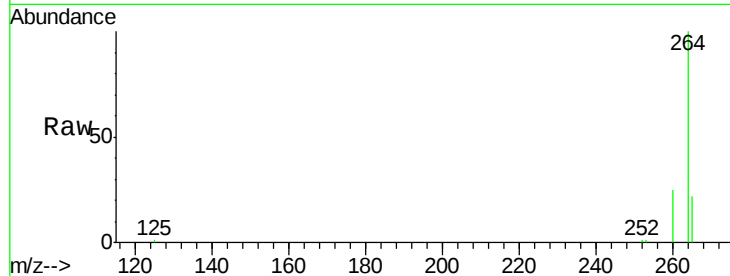




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.39 min Scan# 3307
Delta R.T. -0.00 min
Lab File: BE090524.D
Acq: 14 Aug 2015 17:19

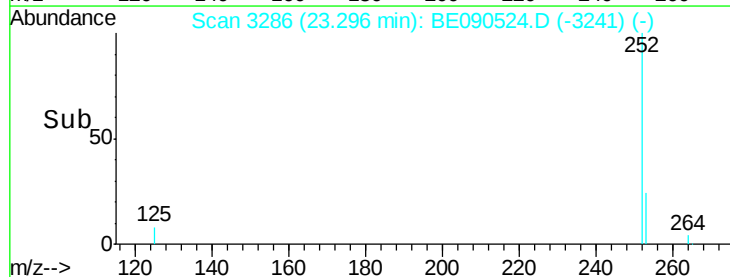
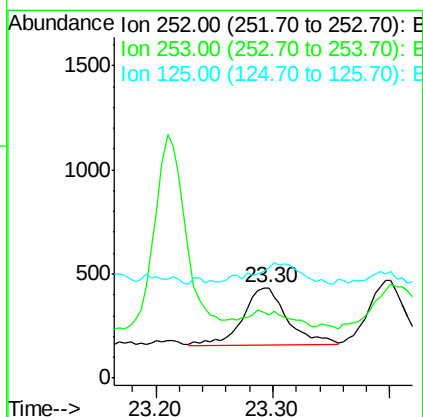
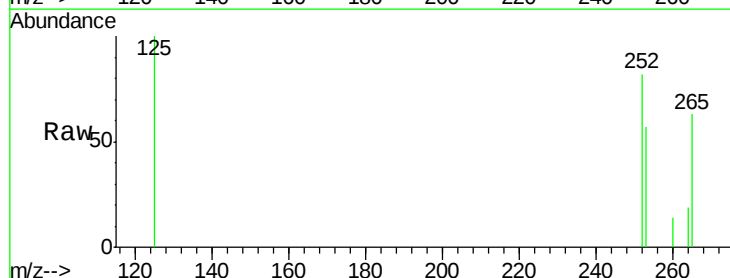
Instrument :
BNA_E
ClientSampleId :
CSB-02DL

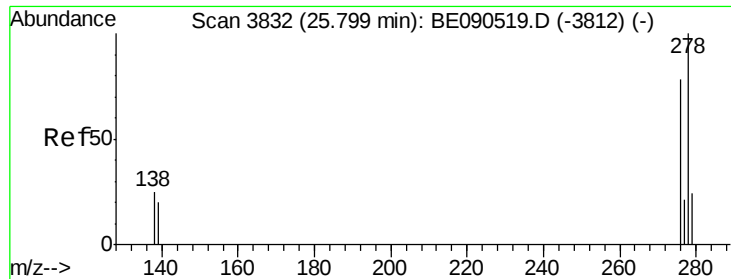
Tot Ion:264 Resp: 132129
Ion Ratio Lower Upper
264 100
260 24.9 20.1 30.1
265 21.7 17.2 25.8



#35
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.30 min Scan# 3286
Delta R.T. 0.01 min
Lab File: BE090524.D
Acq: 14 Aug 2015 17:19

Tgt Ion:252 Resp: 742
Ion Ratio Lower Upper
252 100
253 69.8 17.6 26.4#
125 121.9 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 25.80 min Scan# 3831

Delta R.T. -0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

Instrument :

BNA_E

ClientSampled :

CSB-02DL

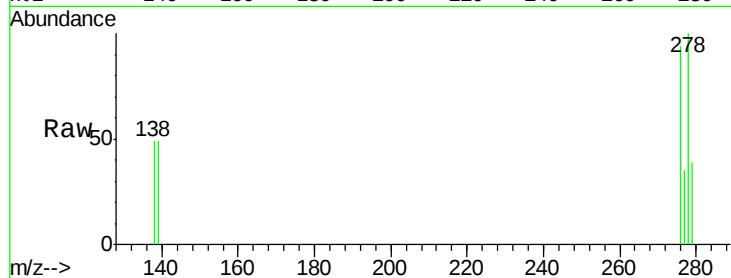
Tot Ion:278 Resp: 1379

Ion Ratio Lower Upper

278 100

139 49.0 14.2 21.4#

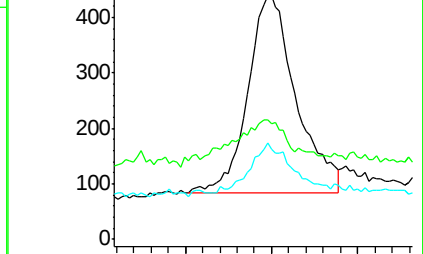
279 39.4 20.1 30.1#



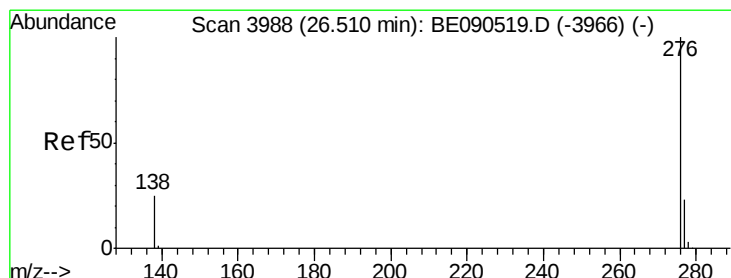
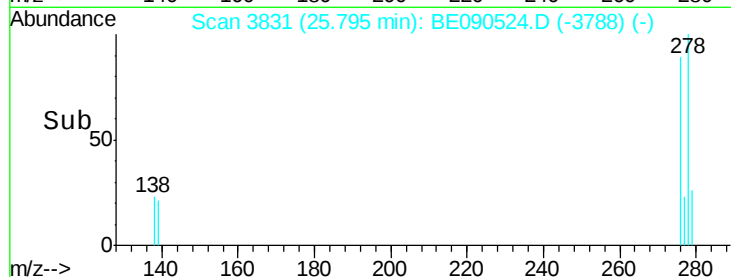
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.51 min Scan# 3987

Delta R.T. -0.00 min

Lab File: BE090524.D

Acq: 14 Aug 2015 17:19

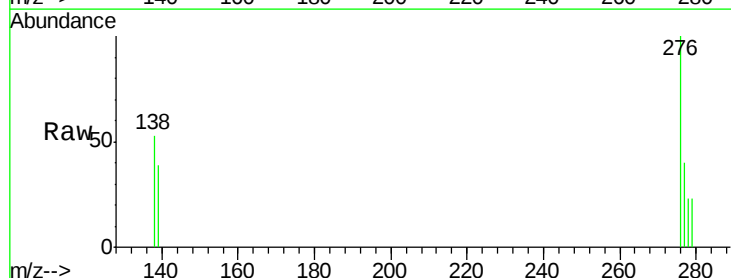
Tgt Ion:276 Resp: 1054

Ion Ratio Lower Upper

276 100

277 39.6 20.1 30.1#

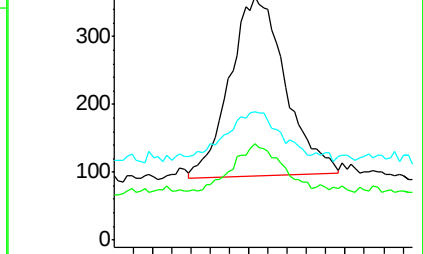
138 52.9 18.1 27.1#



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



Time-->

