

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013117\
 Data File : BE092693.D
 Acq On : 31 Jan 2017 19:00
 Operator : SJ/MA
 Sample : PB96580BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB96580BS

Quant Time: Feb 01 02:21:50 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10562	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	47492	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	29111	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	61792	5.00	ng	0.00
24) Chrysene-d12	21.72	240	65316	5.00	ng	0.00
31) Perylene-d12	24.07	264	74524	5.00	ng	0.00

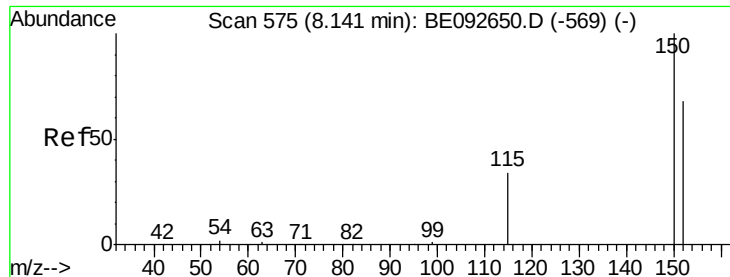
System Monitoring Compounds

4) 2-Fluorophenol	5.64	112	20996	8.90	ng	-0.02
5) Phenol-d6	7.31	99	26588	9.20	ng	-0.02
8) Nitrobenzene-d5	9.29	82	13362	4.33	ng	-0.05
13) 2,4,6-Tribromophenol	16.28	330	7028	8.17	ng	-0.01
14) 2-Fluorobiphenyl	13.40	172	28598	3.99	ng	-0.02
26) Terphenyl-d14	20.14	244	38613	4.18	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.38	88	4714	3.30	ng	# 73
3) n-Nitrosodimethylamine	3.72	42	7405	3.89	ng	# 97
6) bis(2-Chloroethyl)ether	7.54	93	13192	4.30	ng	93
9) Naphthalene	10.95	128	40273	4.06	ng	# 95
10) Hexachlorobutadiene	11.24	225	6142	4.19	ng	99
11) 2-Methylnaphthalene	12.59	142	25737	4.18	ng	# 87
15) Acenaphthylene	14.49	152	168025	4.19	ng	100
16) Acenaphthene	14.85	154	25389	3.95	ng	94
17) Fluorene	15.83	166	33142	4.10	ng	100
19) Hexachlorobenzene	16.87	284	8502	4.20	ng	# 39
20) Pentachlorophenol	17.30	266	3240	5.10	ng	92
21) Phenanthrene	17.58	178	54552	4.00	ng	# 94
22) Anthracene	17.67	178	55775	4.43	ng	99
23) Fluoranthene	19.58	202	260145	4.30	ng	99
25) Pyrene	19.93	202	281725	4.38	ng	99
27) Benzo(a)anthracene	21.70	228	275118	4.28	ng	# 73
28) Chrysene	21.70	228	275118	3.80	ng	# 56
29) Bis(2-ethylhexyl)phthalate	21.61	149	54509	4.33	ng	# 72
30) Indeno(1,2,3-cd)pyrene	26.53	276	366270	4.68	ng	98
32) Benzo(b)fluoranthene	23.34	252	80299	4.45	ng	# 96
33) Benzo(k)fluoranthene	23.38	252	77709	4.29	ng	94
34) Benzo(a)pyrene	23.95	252	78615	4.65	ng	# 94
35) Dibenzo(a,h)anthracene	26.55	278	75163	4.54	ng	95
36) Benzo(g,h,i)perylene	27.30	276	313410	4.48	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

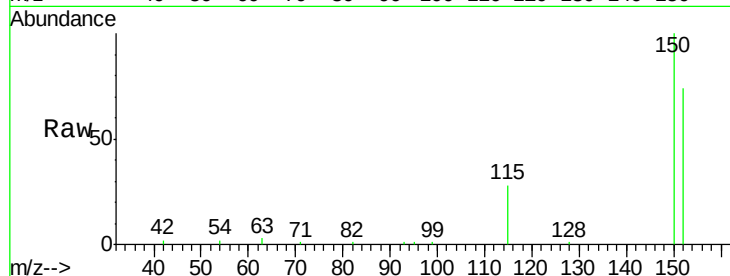
Tgt Ion:152 Resp: 10562

Ion Ratio Lower Upper

152 100

150 134.8 106.0 159.0

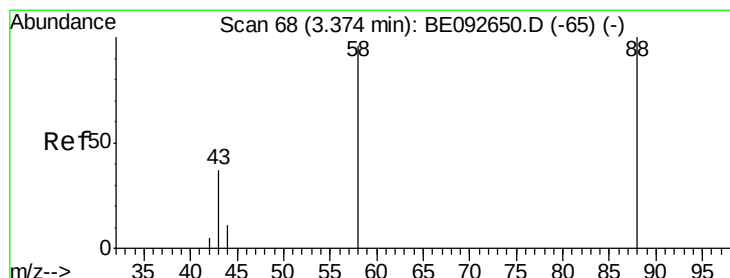
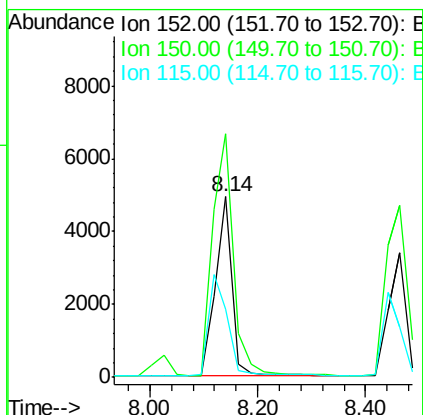
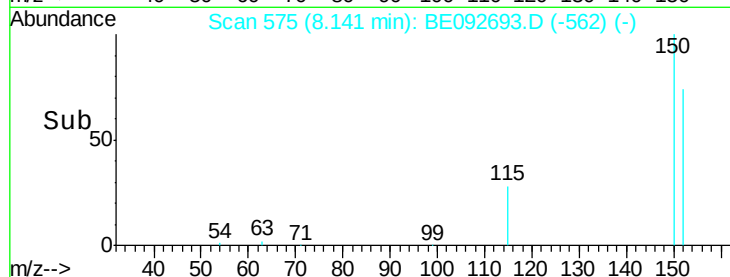
115 38.1 31.2 46.8



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: 3.30 ng

RT: 3.38 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

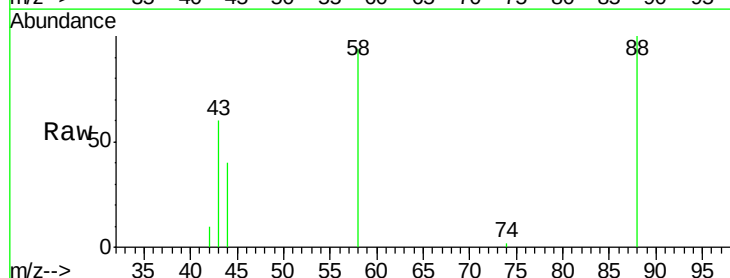
Tgt Ion: 88 Resp: 4714

Ion Ratio Lower Upper

88 100

58 92.6 63.6 95.4

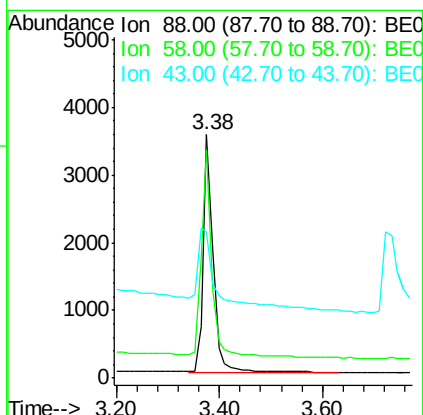
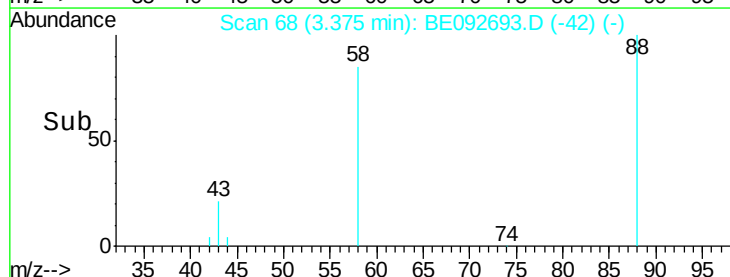
43 66.5 28.0 42.0#

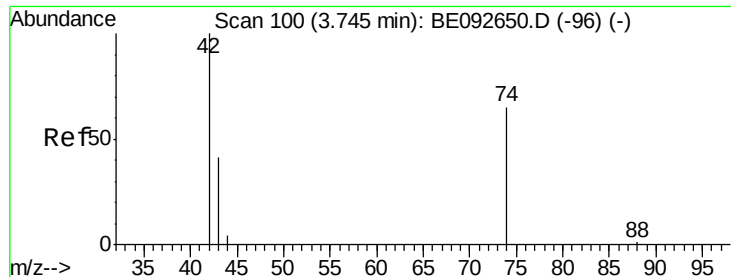


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.89 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

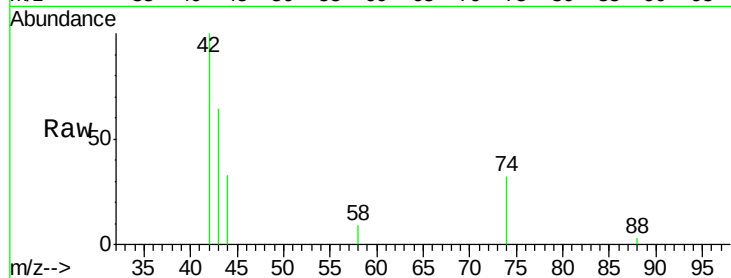
Tgt Ion: 42 Resp: 7405

Ion Ratio Lower Upper

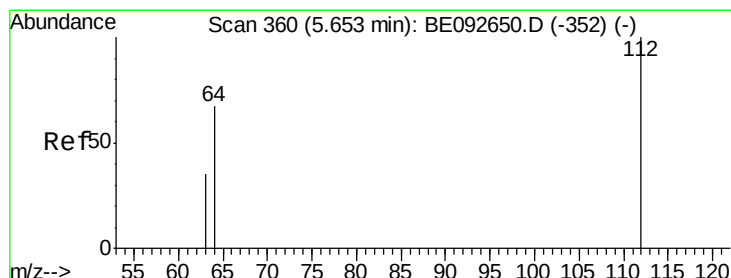
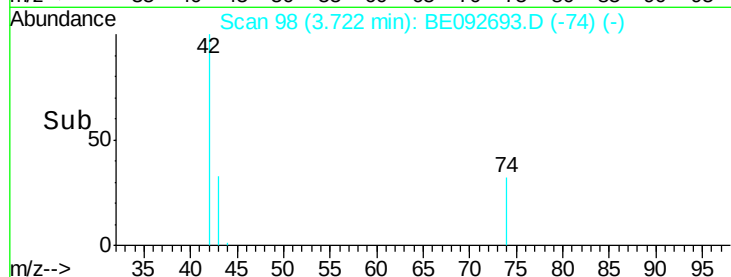
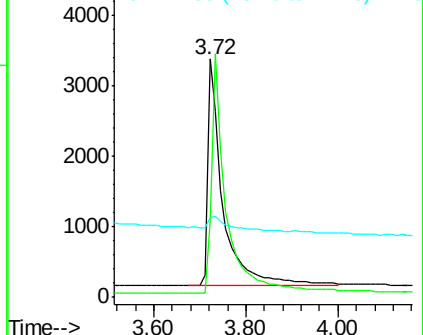
42 100

74 105.0 86.0 129.0

44 10.2 5.1 7.7#



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: 8.90 ng

RT: 5.64 min Scan# 357

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

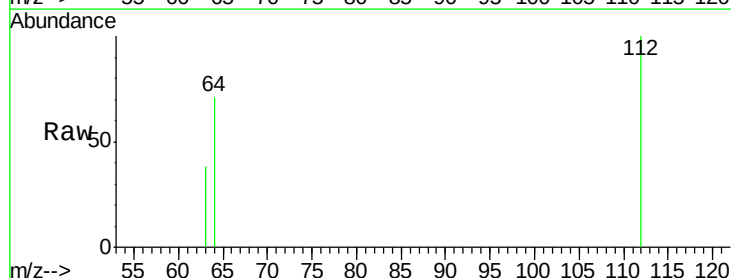
Tgt Ion: 112 Resp: 20996

Ion Ratio Lower Upper

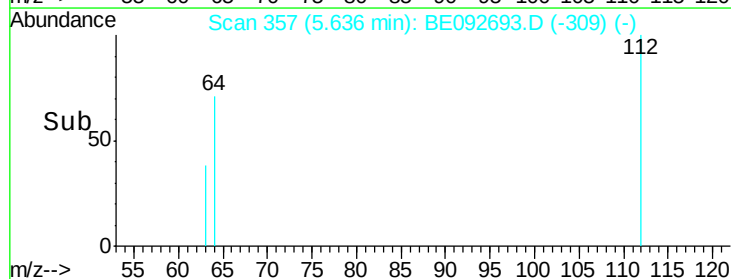
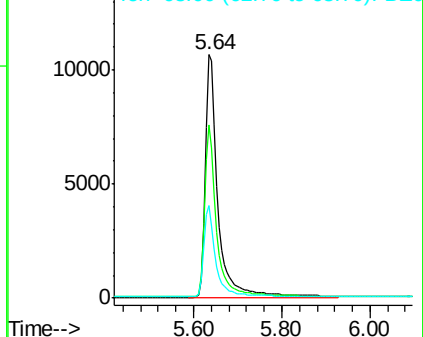
112 100

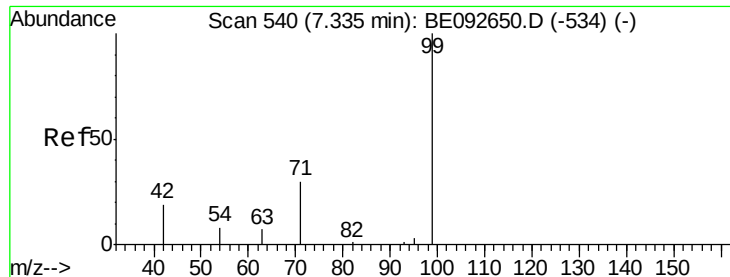
64 68.8 53.5 80.3

63 36.7 27.9 41.9



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: 9.20 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampled :

PB96580BS

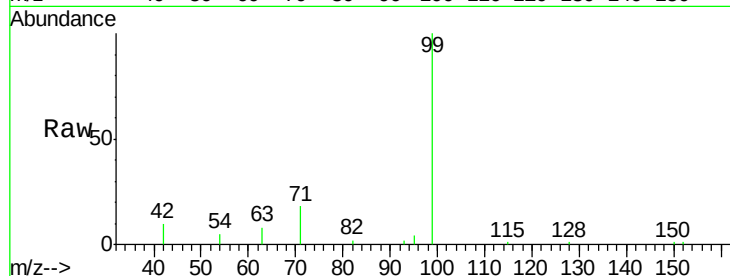
Tgt Ion: 99 Resp: 26588

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

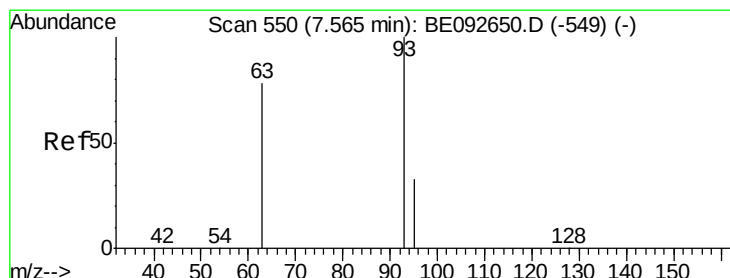
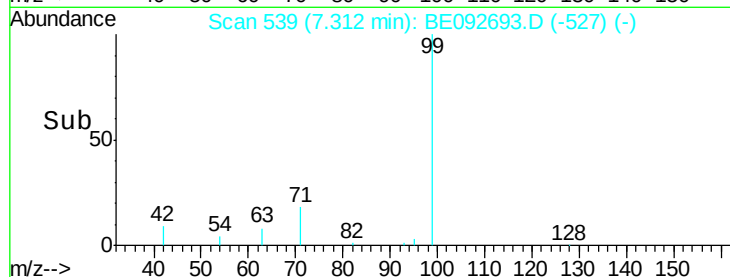
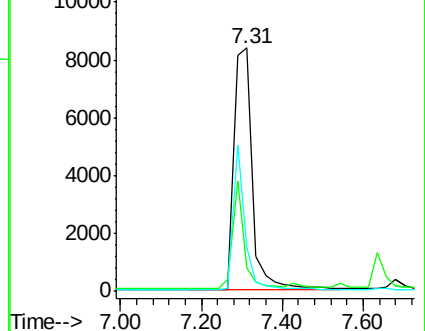
71 0.0 30.6 45.8#



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

bis(2-Chloroethyl)ether

Concen: 4.30 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

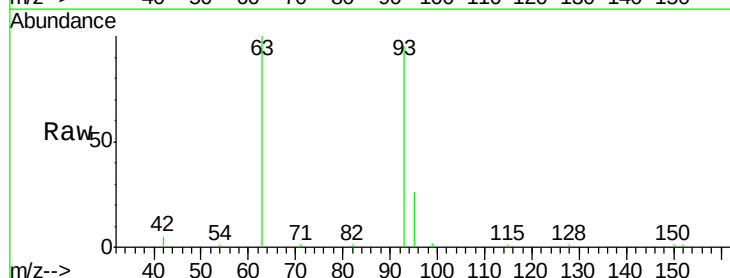
Tgt Ion: 93 Resp: 13192

Ion Ratio Lower Upper

93 100

63 81.2 71.6 107.4

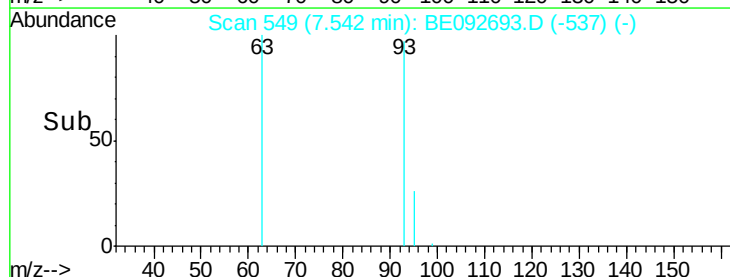
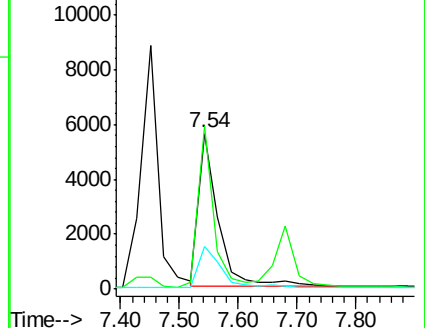
95 30.6 24.0 36.0

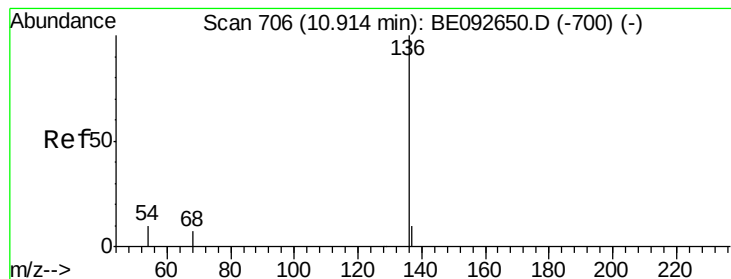


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

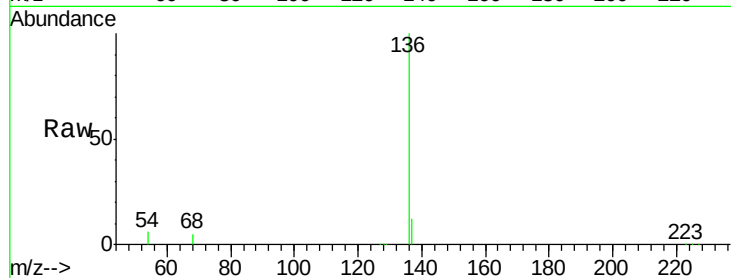
Instrument :

BNA_E

ClientSampleId :

PB96580BS

Tgt Ion:	136	Resp:	47492
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	6.1	9.6	14.4#
68	4.7	6.7	10.1#



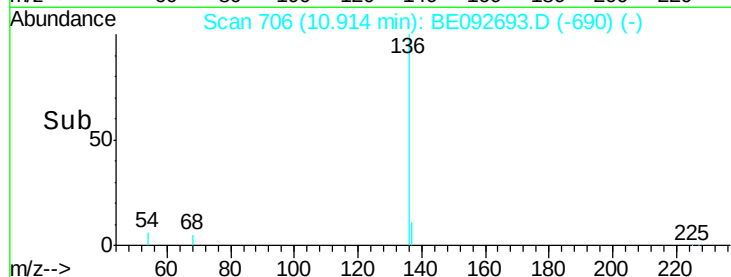
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

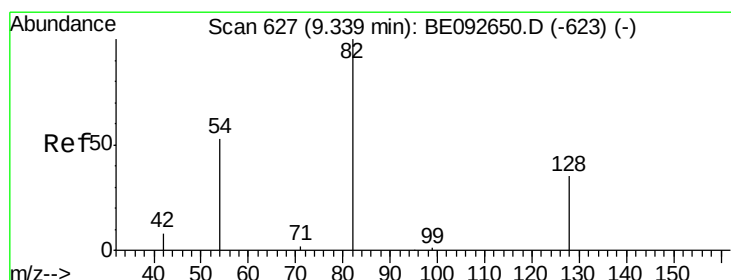
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 4.33 ng

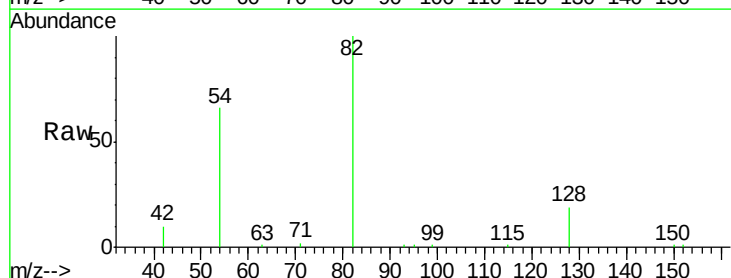
RT: 9.29 min Scan# 625

Delta R.T. -0.05 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Tgt Ion:	82	Resp:	13362
Ion	Ratio	Lower	Upper
82	100		
128	18.9	39.0	58.4#
54	65.5	44.8	67.2

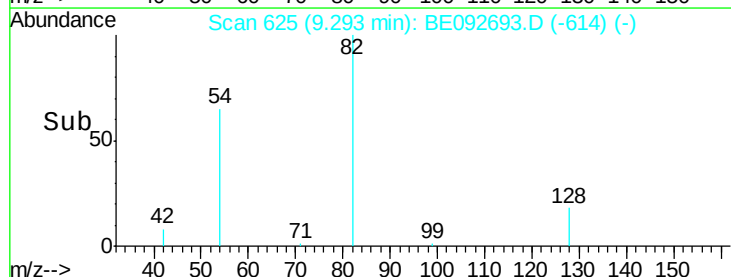


Abundance Ion 82.00 (81.70 to 82.70): BE0

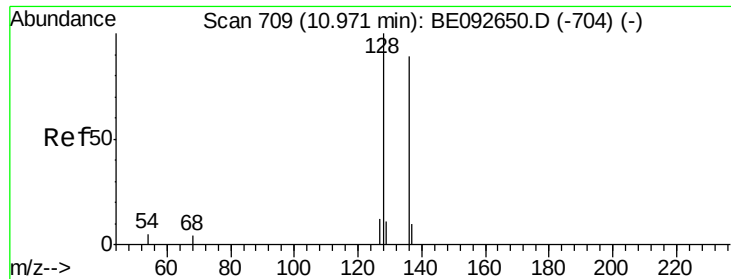
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 4.06 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

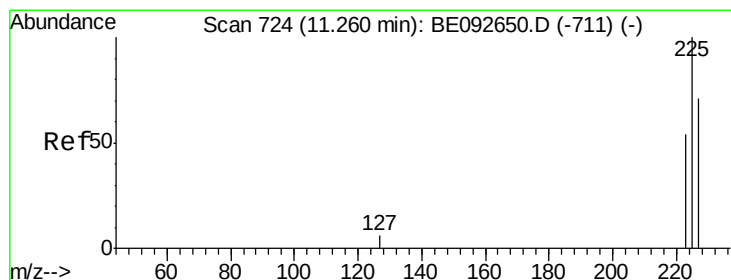
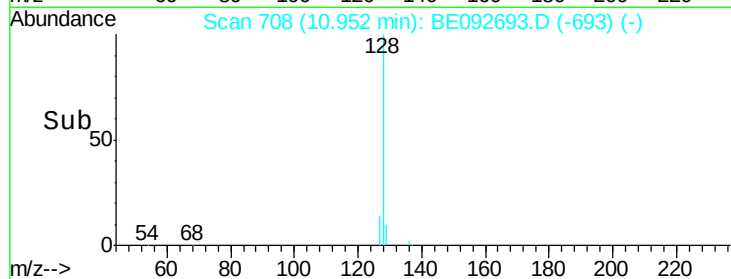
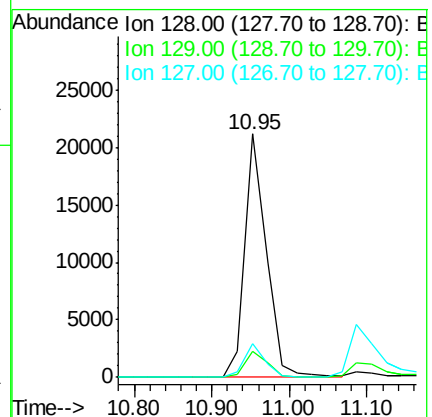
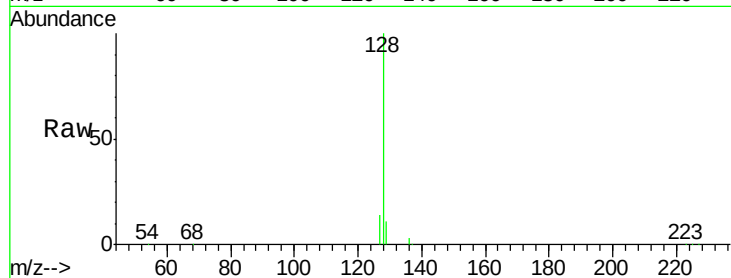
Tgt Ion:128 Resp: 40273

Ion Ratio Lower Upper

128 100

129 10.6 11.2 16.8#

127 13.8 11.6 17.4



#10

Hexachlorobutadiene

Concen: 4.19 ng

RT: 11.24 min Scan# 723

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

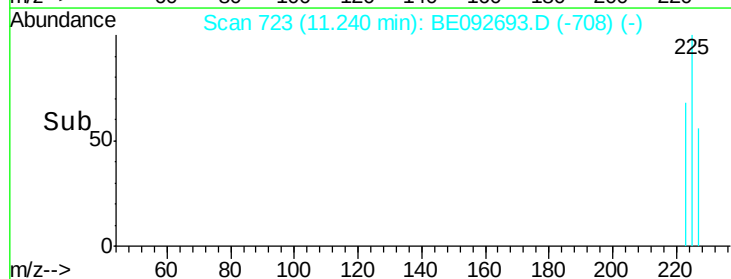
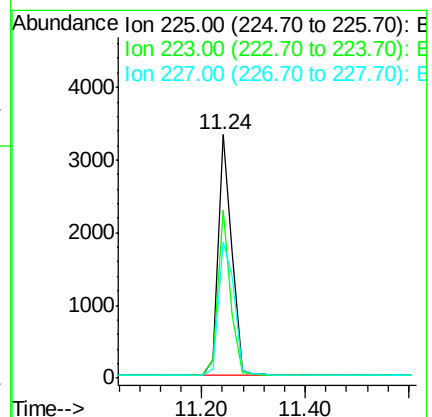
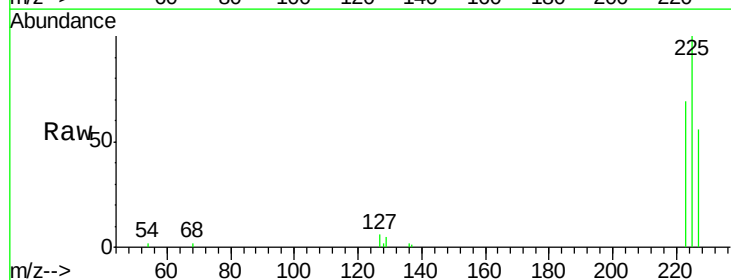
Tgt Ion:225 Resp: 6142

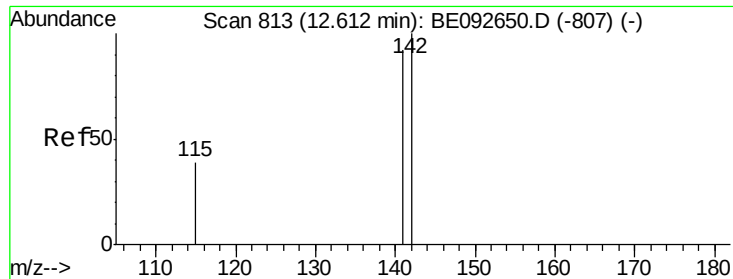
Ion Ratio Lower Upper

225 100

223 62.8 50.6 76.0

227 63.4 51.4 77.0

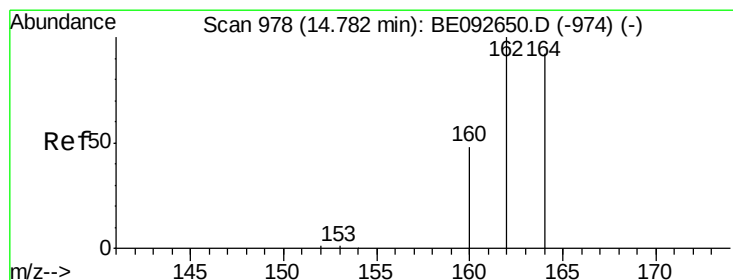
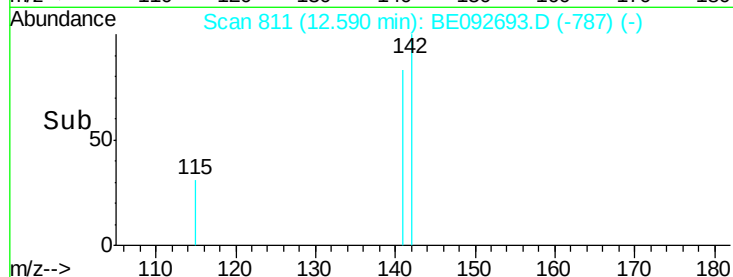
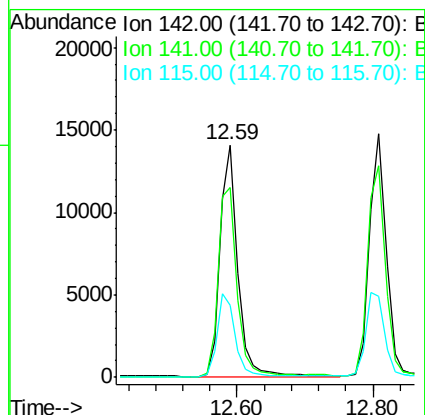
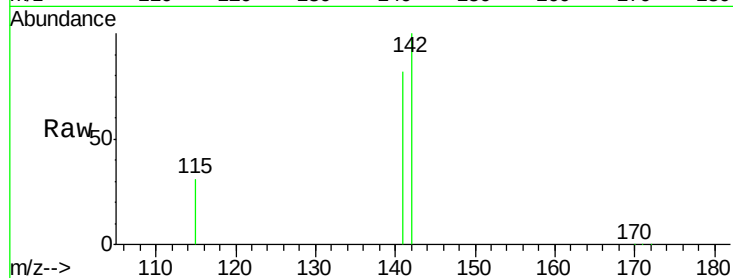




#11
2-Methylnaphthalene
Concen: 4.18 ng
RT: 12.59 min Scan# 811
Delta R.T. -0.02 min
Lab File: BE092693.D
Acq: 31 Jan 2017 19:00

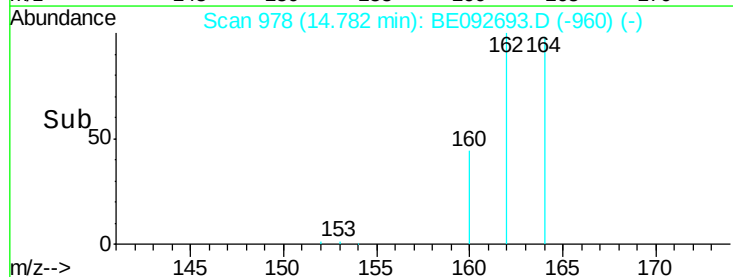
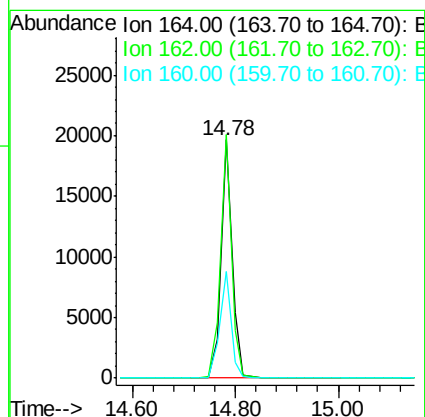
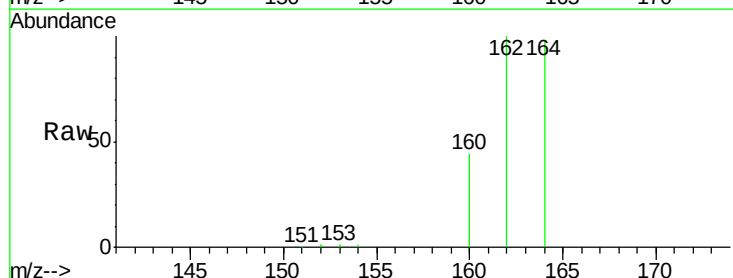
Instrument :
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PB96580BS

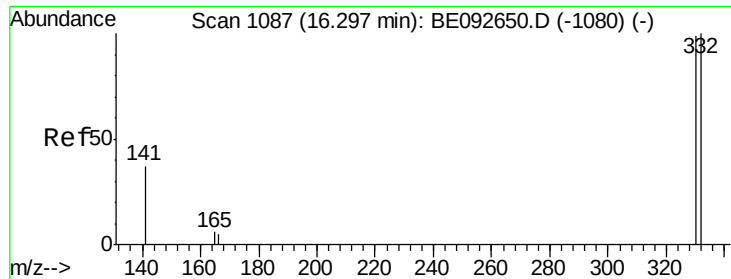
Tgt Ion:142 Resp: 25737
Ion Ratio Lower Upper
142 100
141 81.9 73.7 110.5
115 30.9 34.0 51.0#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. 0.00 min
Lab File: BE092693.D
Acq: 31 Jan 2017 19:00

Tgt Ion:164 Resp: 29111
Ion Ratio Lower Upper
164 100
162 102.2 71.4 107.0
160 44.7 27.4 41.2#

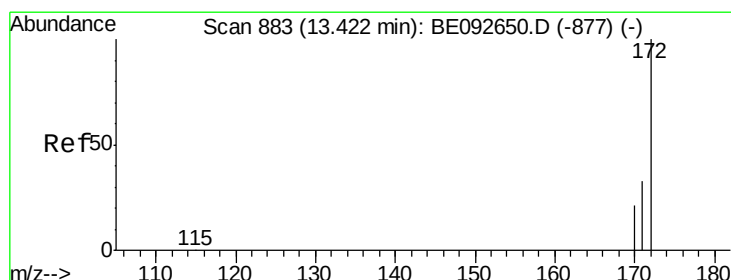
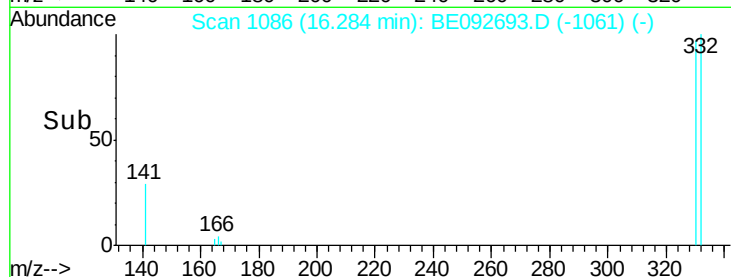
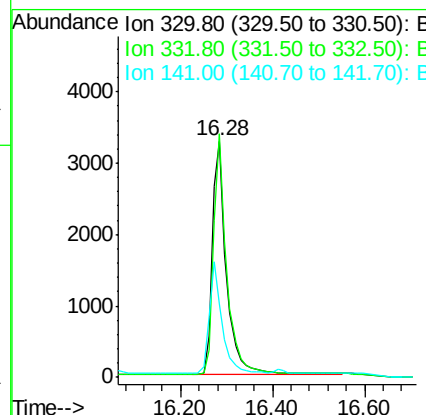
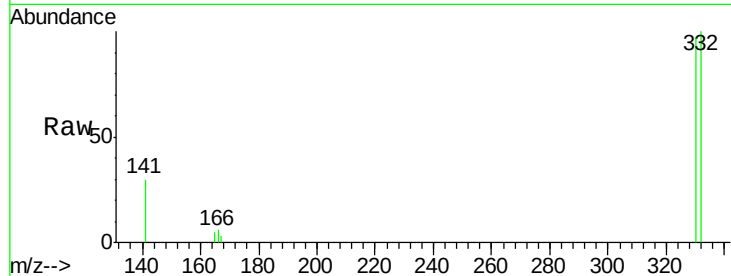




#13
 2,4,6-Tribromophenol
 Concen: 8.17 ng
 RT: 16.28 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE092693.D
 Acq: 31 Jan 2017 19:00

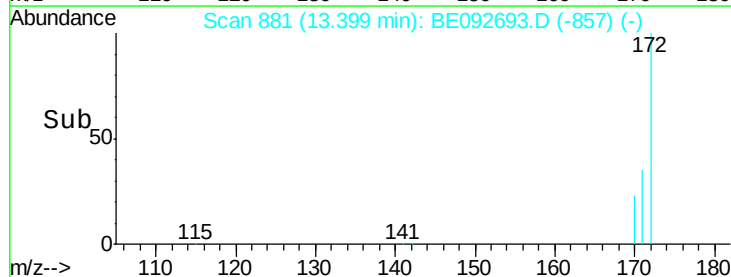
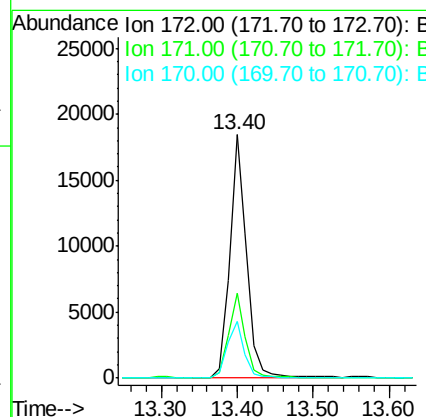
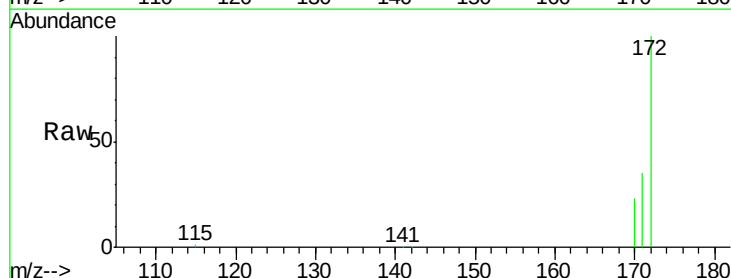
Instrument :
 BNA_E
 ClientSampleId :
 PB96580BS

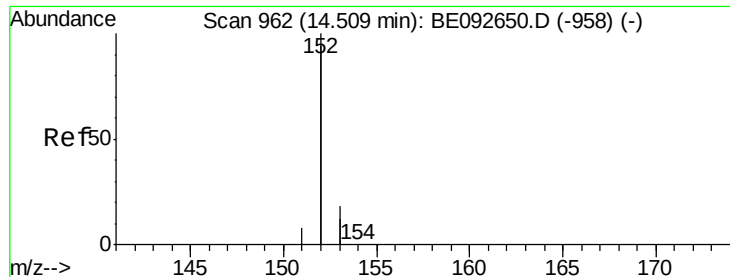
Tgt Ion: 330 Resp: 7028
 Ion Ratio Lower Upper
 330 100
 332 97.5 75.4 113.0
 141 43.7 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 3.99 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092693.D
 Acq: 31 Jan 2017 19:00

Tgt Ion: 172 Resp: 28598
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.1 45.1
 170 23.4 21.8 32.6





#15

Acenaphthylene

Concen: 4.19 ng

RT: 14.49 min Scan# 961

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

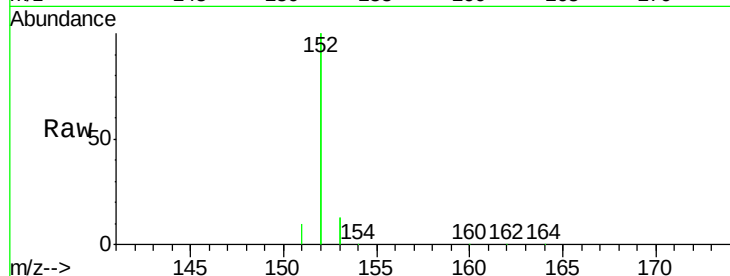
Tgt Ion:152 Resp: 168025

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 13.1 10.4 15.6



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

150000

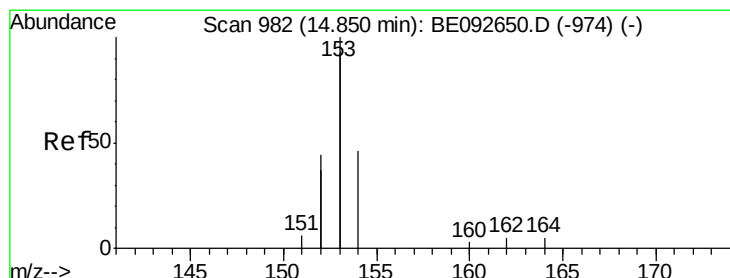
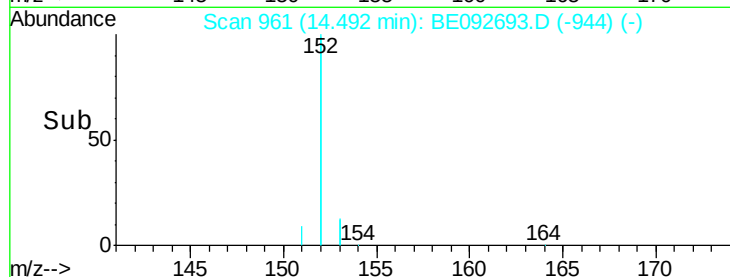
100000

50000

0

14.49

Time-->



#16

Acenaphthene

Concen: 3.95 ng

RT: 14.85 min Scan# 982

Delta R.T. 0.00 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

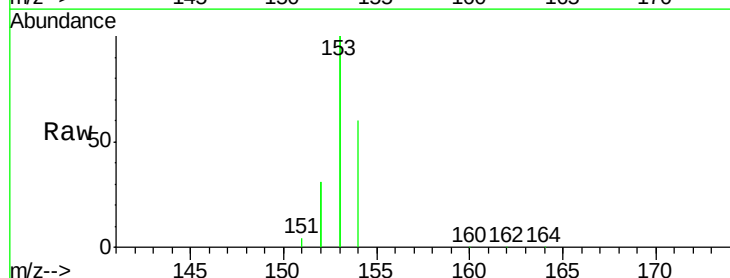
Tgt Ion:154 Resp: 25389

Ion Ratio Lower Upper

154 100

153 453.3 350.8 526.2

152 222.9 171.1 256.7



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

80000

60000

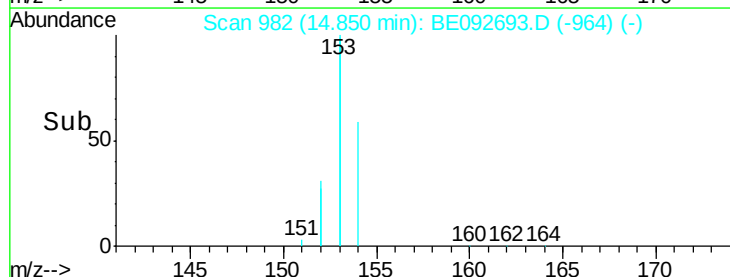
40000

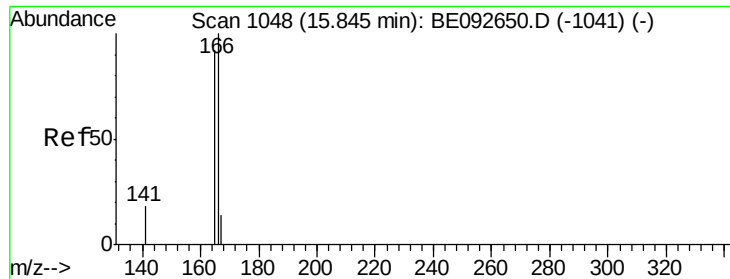
20000

0

14.85

Time-->

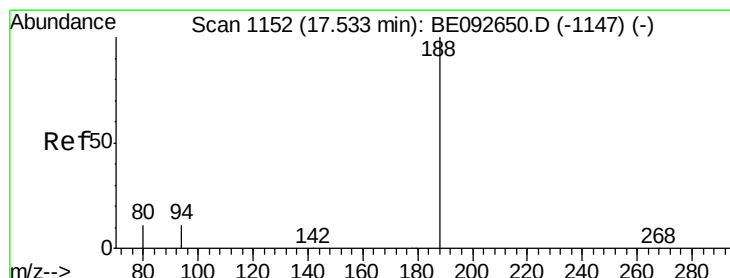
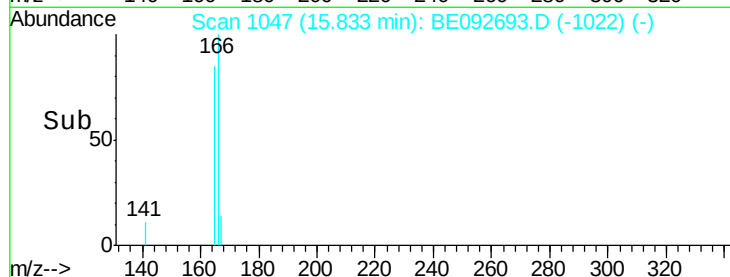
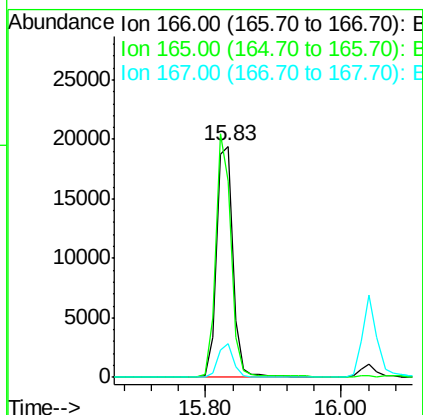
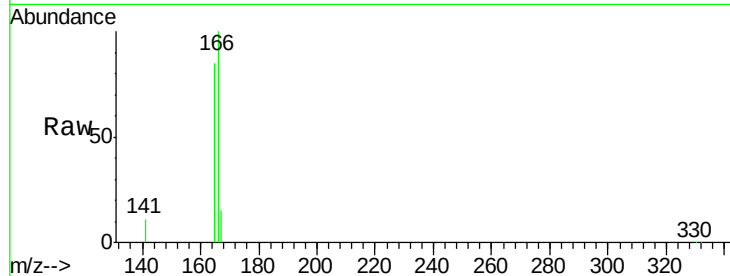




#17
Fluorene
Concen: 4.10 ng
RT: 15.83 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BE092693.D
Acq: 31 Jan 2017 19:00

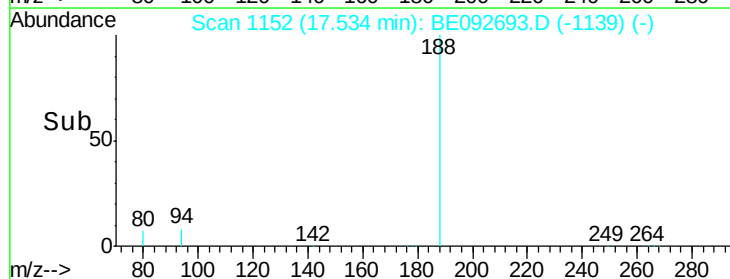
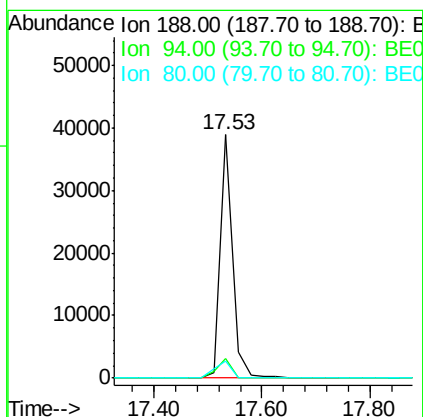
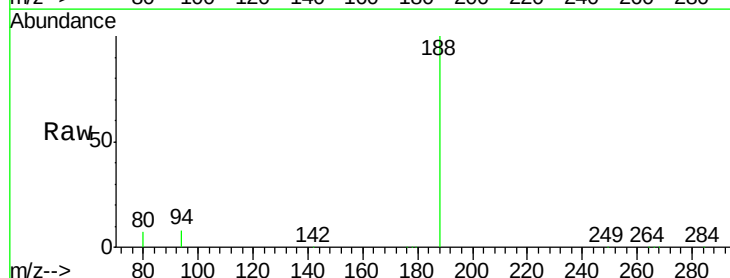
Instrument :
BNA_E
ClientSampleId :
PB96580BS

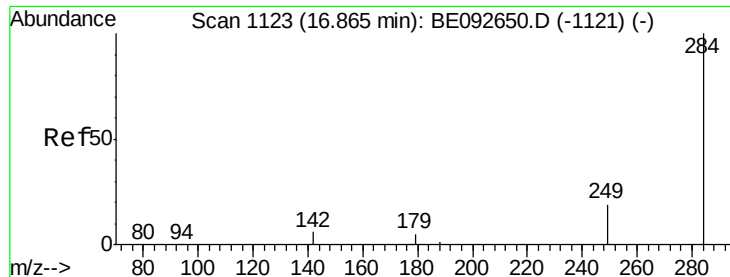
Tgt Ion:166 Resp: 33142
Ion Ratio Lower Upper
166 100
165 97.5 78.2 117.4
167 13.4 11.0 16.4



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092693.D
Acq: 31 Jan 2017 19:00

Tgt Ion:188 Resp: 61792
Ion Ratio Lower Upper
188 100
94 7.8 3.2 4.8#
80 7.1 2.6 3.8#

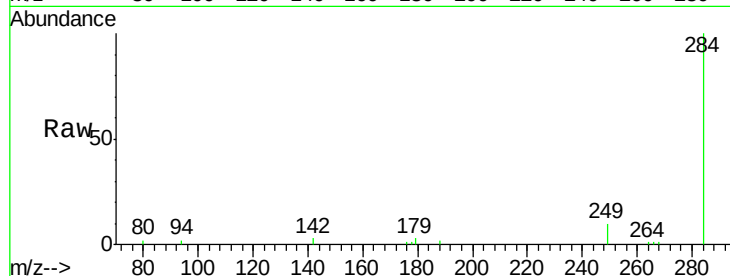




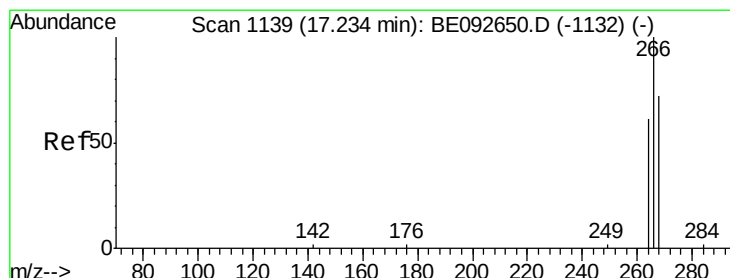
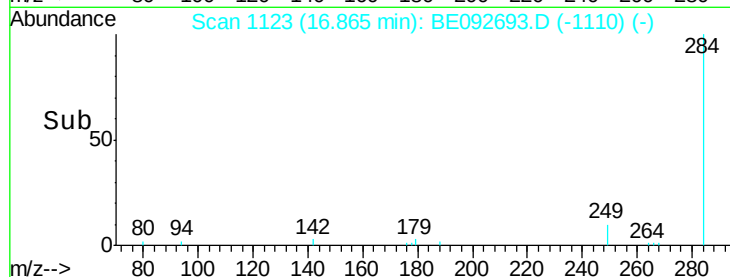
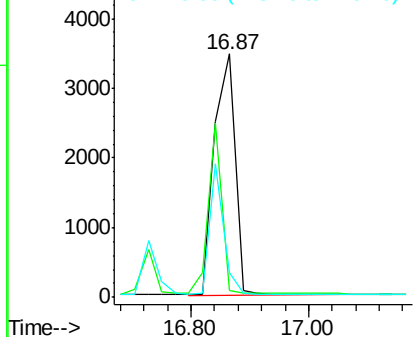
#19
Hexachlorobenzene
Concen: 4.20 ng
RT: 16.87 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092693.D
Acq: 31 Jan 2017 19:00

Instrument :
BNA_E
ClientSampleId :
PB96580BS

Tgt Ion: 284 Resp: 8502
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

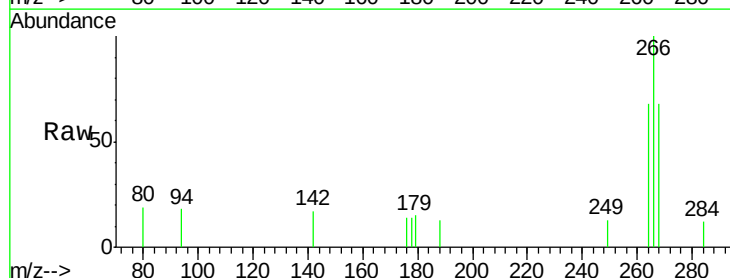


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

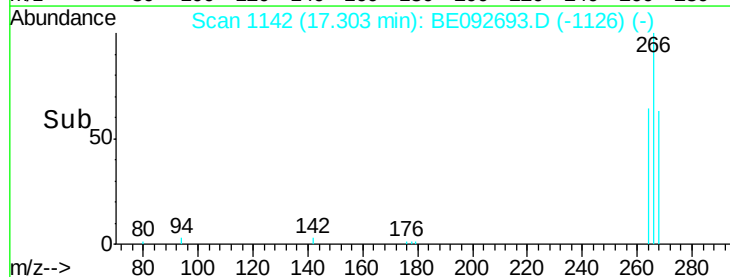
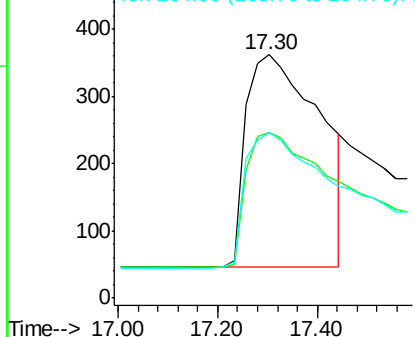


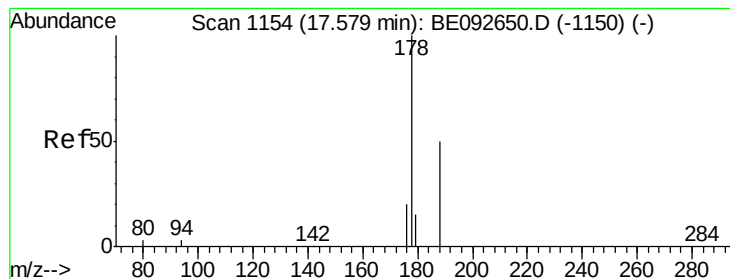
#20
Pentachlorophenol
Concen: 5.10 ng
RT: 17.30 min Scan# 1142
Delta R.T. 0.07 min
Lab File: BE092693.D
Acq: 31 Jan 2017 19:00

Tgt Ion: 266 Resp: 3240
Ion Ratio Lower Upper
266 100
268 68.0 62.5 93.7
264 68.0 57.2 85.8



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





#21

Phenanthrene

Concen: 4.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

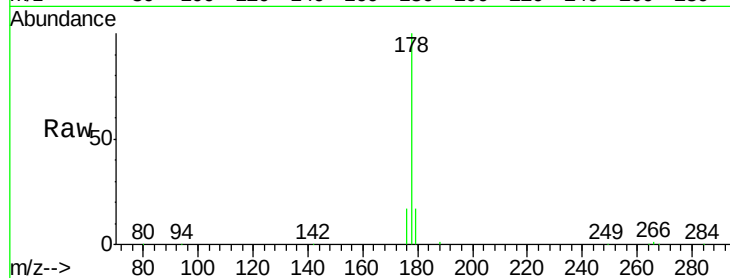
Tgt Ion:178 Resp: 54552

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

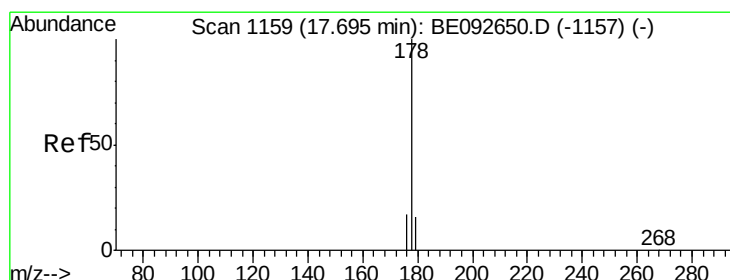
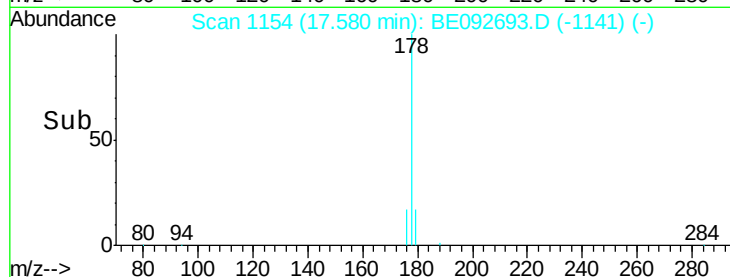
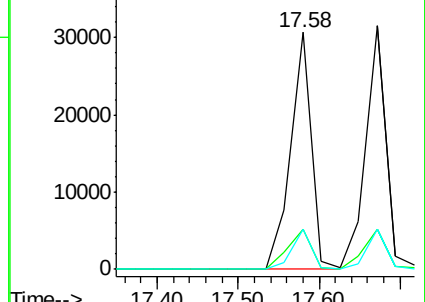
179 15.8 16.0 24.0#



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



#22

Anthracene

Concen: 4.43 ng

RT: 17.67 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

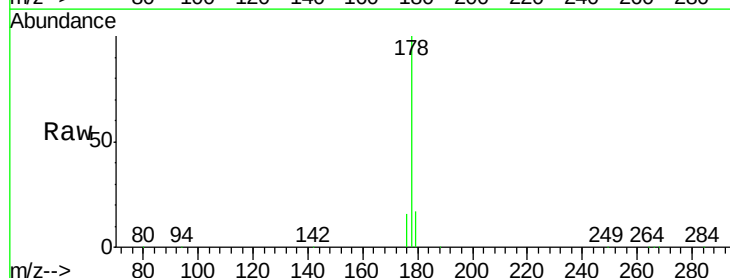
Tgt Ion:178 Resp: 55775

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

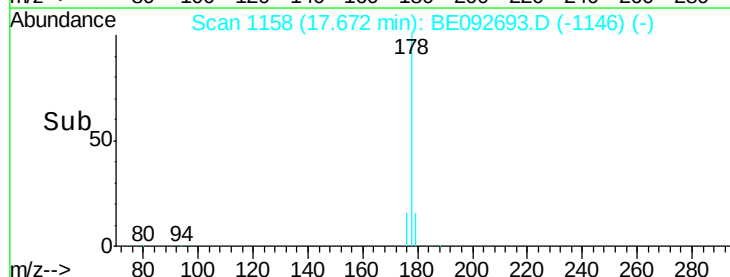
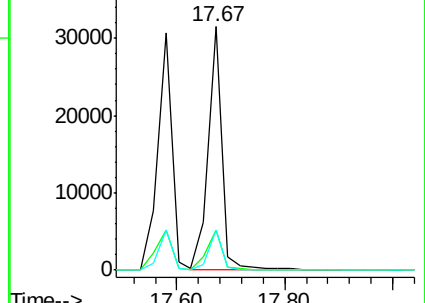
179 15.7 12.2 18.2

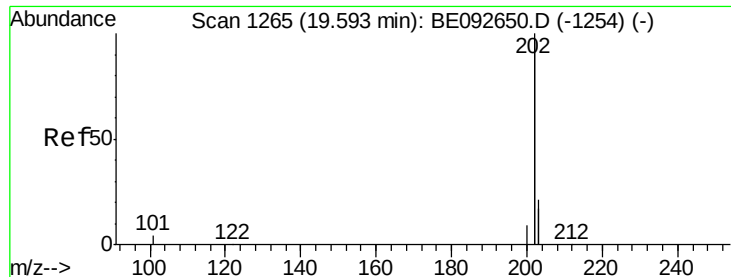


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 4.30 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

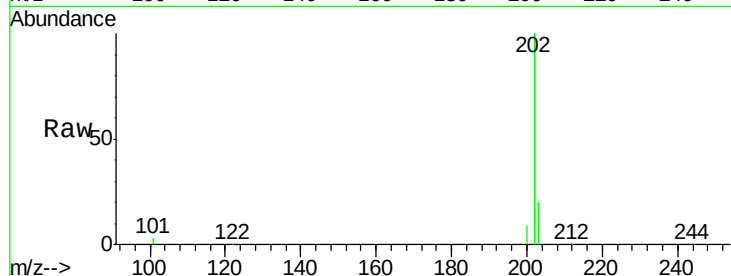
Tgt Ion: 202 Resp: 260145

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

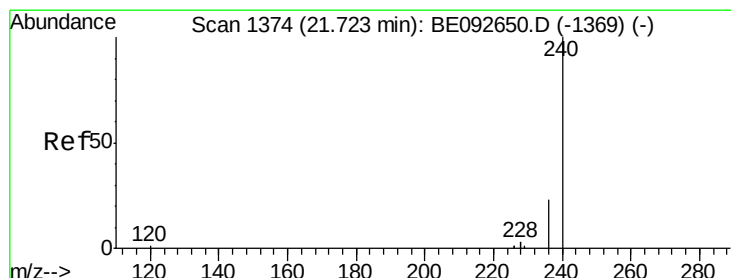
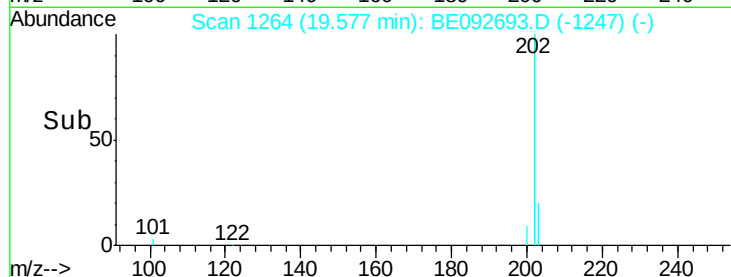
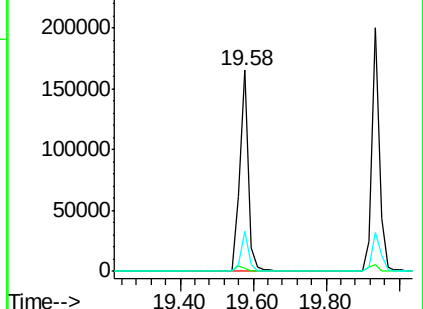
203 17.8 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

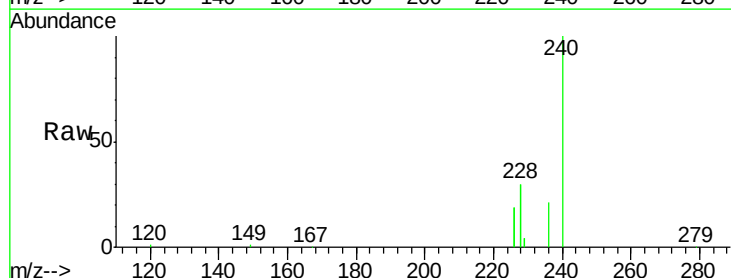
Tgt Ion: 240 Resp: 65316

Ion Ratio Lower Upper

240 100

120 0.8 2.6 4.0#

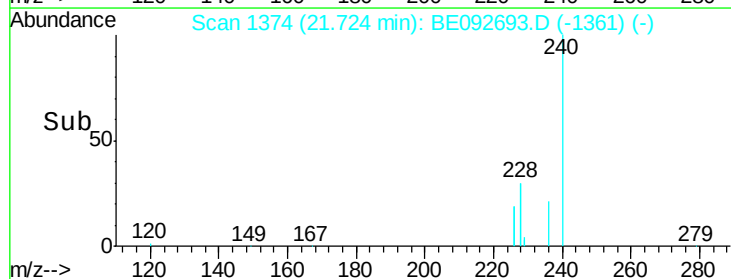
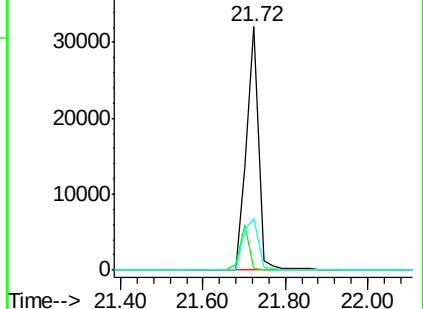
236 21.1 24.6 37.0#

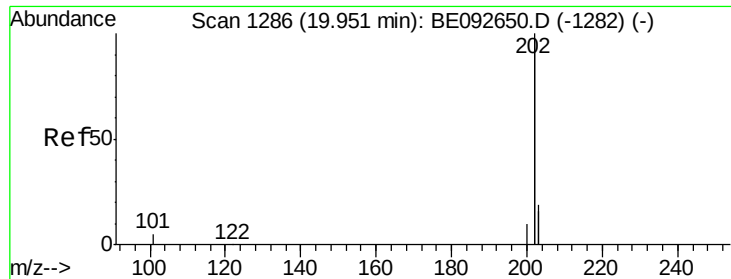


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

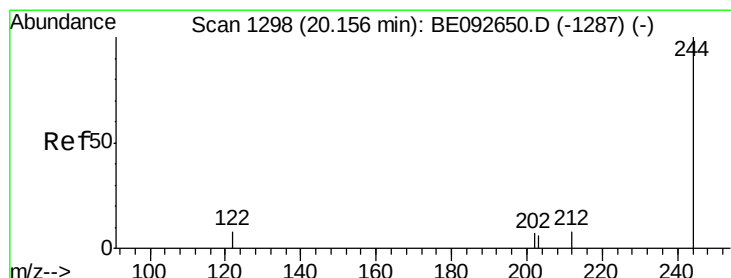
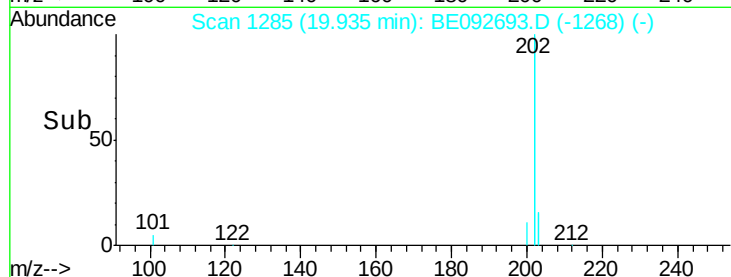
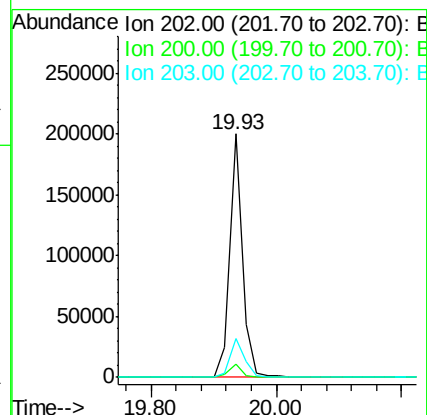
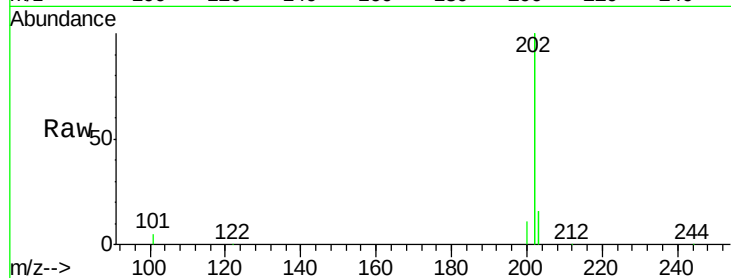




#25
 Pyrene
 Concen: 4.38 ng
 RT: 19.93 min Scan# 1285
 Delta R.T. -0.02 min
 Lab File: BE092693.D
 Acq: 31 Jan 2017 19:00

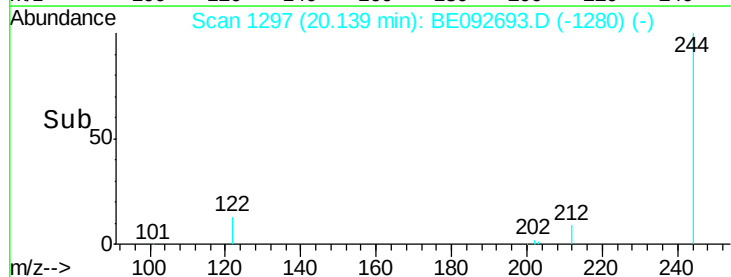
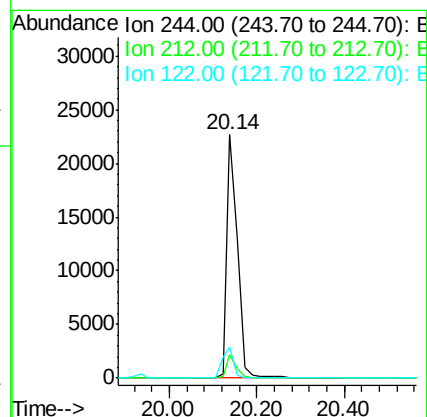
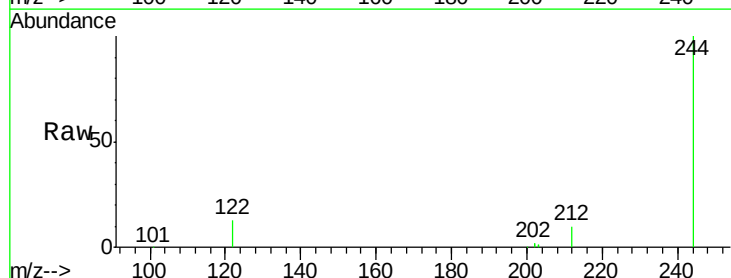
Instrument :
 BNA_E
 ClientSampleId :
 PB96580BS

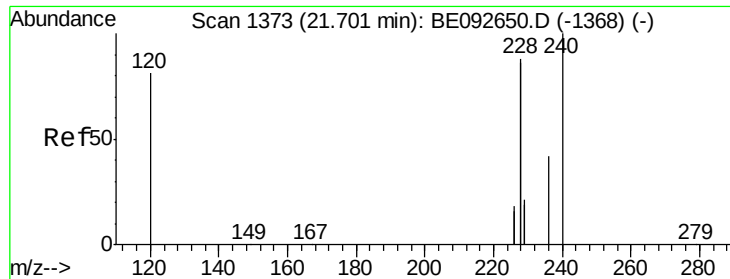
Tgt Ion: 202 Resp: 281725
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.2 6.4
 203 17.9 13.9 20.9



#26
 Terphenyl-d14
 Concen: 4.18 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092693.D
 Acq: 31 Jan 2017 19:00

Tgt Ion: 244 Resp: 38613
 Ion Ratio Lower Upper
 244 100
 212 9.7 6.7 10.1
 122 12.8 3.6 5.4#

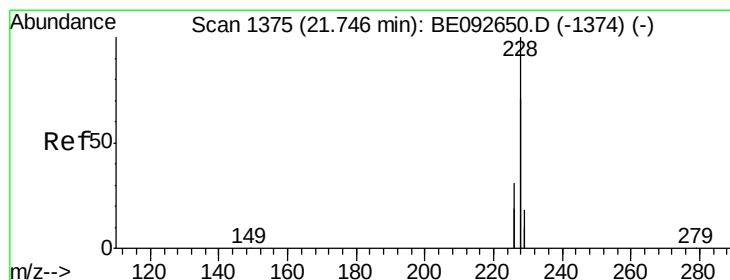
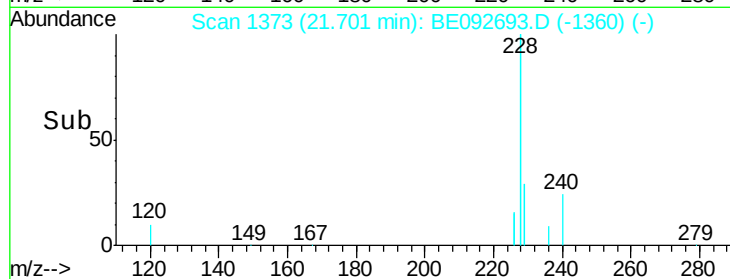
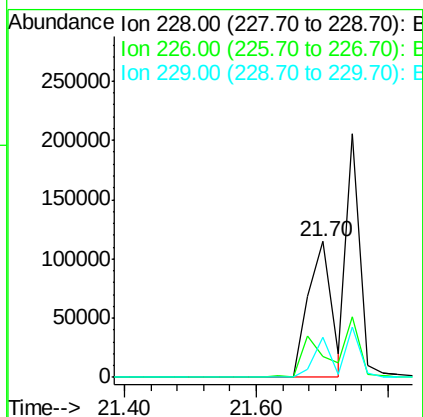
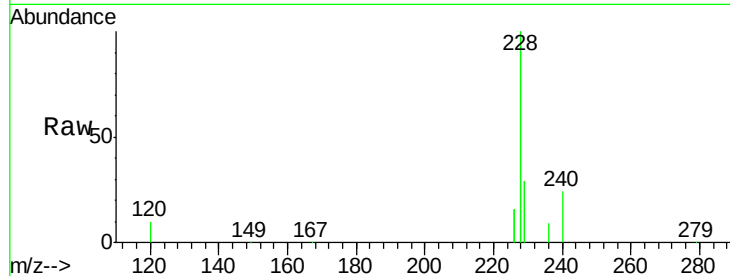




#27
Benzo(a)anthracene
Concen: 4.28 ng
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092693.D
Acq: 31 Jan 2017 19:00

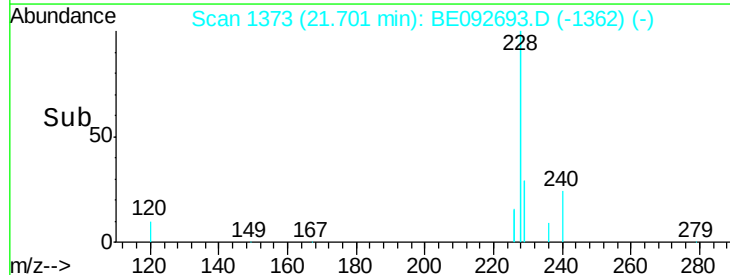
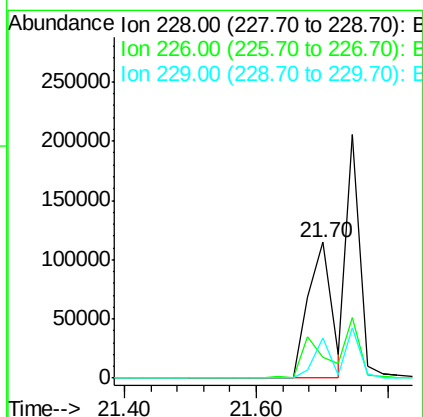
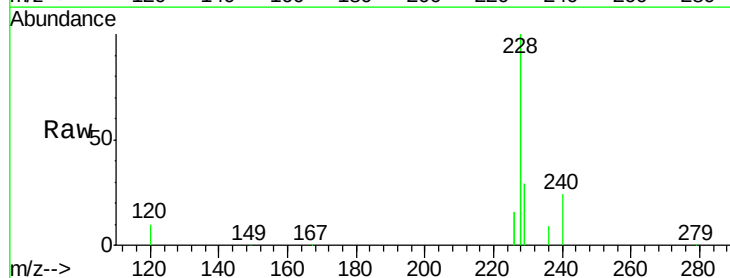
Instrument :
BNA_E
ClientSampleId :
PB96580BS

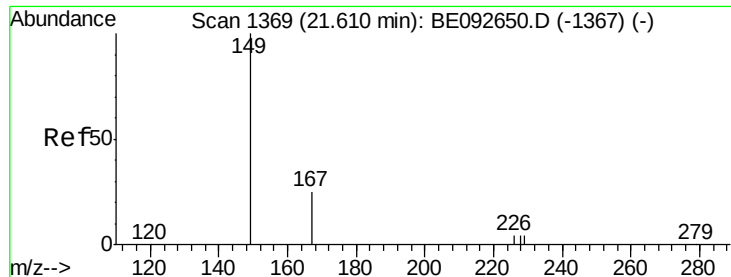
Tgt Ion:228 Resp: 275118
Ion Ratio Lower Upper
228 100
226 15.8 23.6 35.4#
229 29.3 13.3 19.9#



#28
Chrysene
Concen: 3.80 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.04 min
Lab File: BE092693.D
Acq: 31 Jan 2017 19:00

Tgt Ion:228 Resp: 275118
Ion Ratio Lower Upper
228 100
226 15.8 36.3 54.5#
229 29.3 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 4.33 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

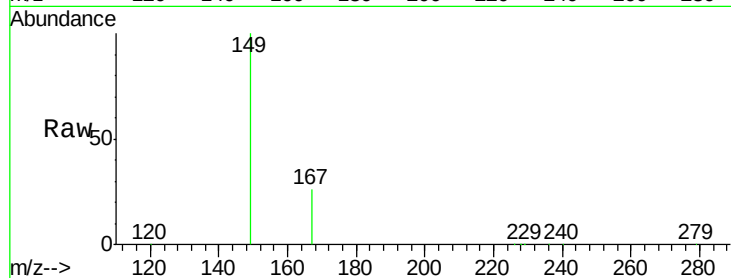
Tgt Ion:149 Resp: 54509

Ion Ratio Lower Upper

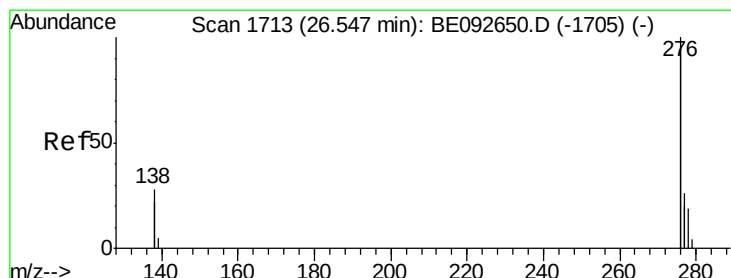
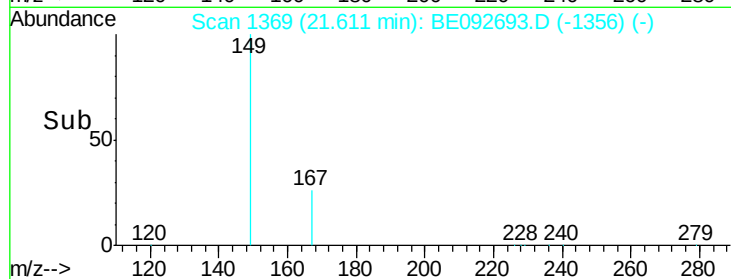
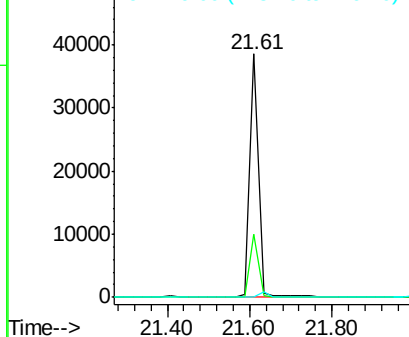
149 100

167 25.6 16.0 24.0#

279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 4.68 ng

RT: 26.53 min Scan# 1712

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

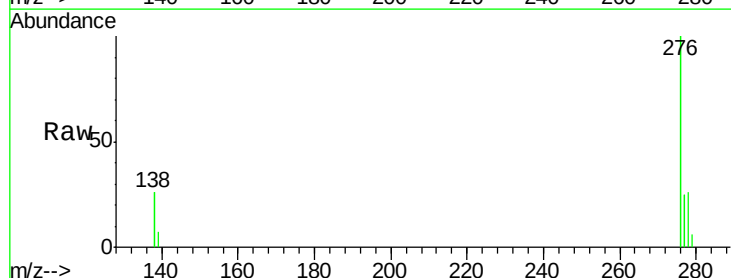
Tgt Ion:276 Resp: 366270

Ion Ratio Lower Upper

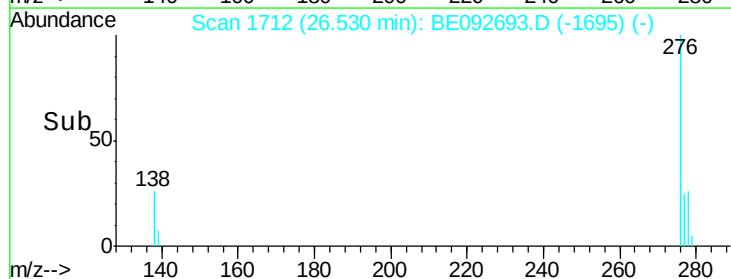
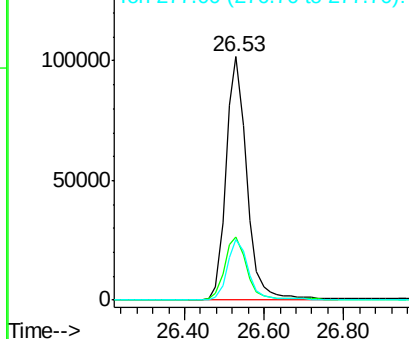
276 100

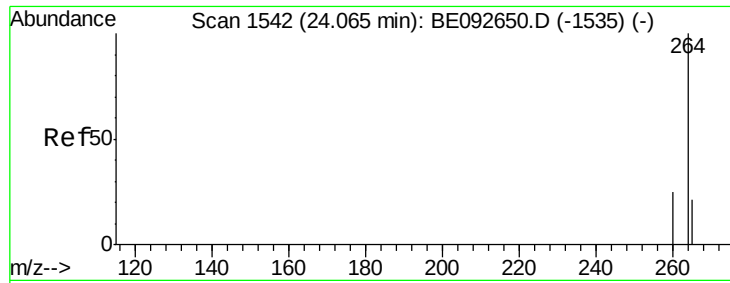
138 27.4 20.3 30.5

277 24.8 19.7 29.5



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

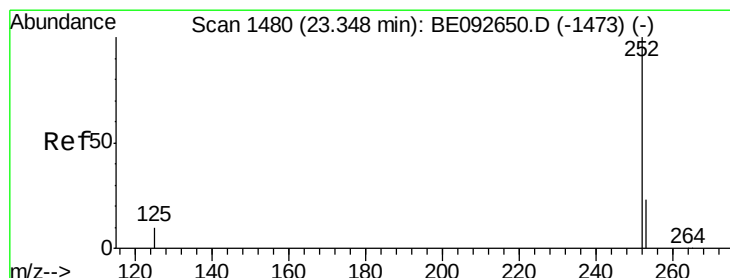
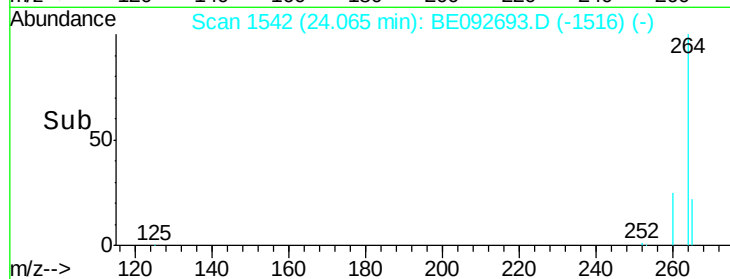
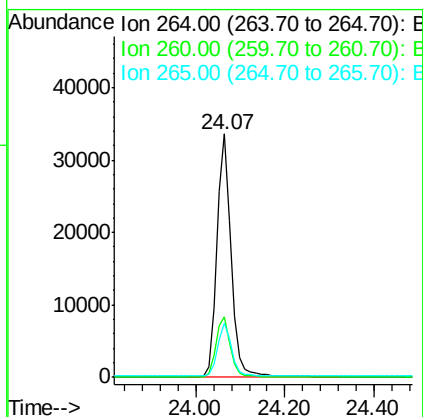
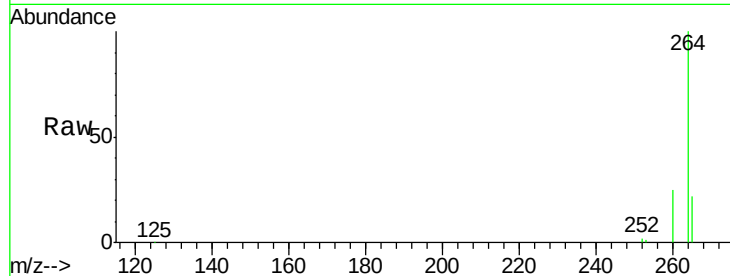




#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.07 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: BE092693.D
 Acq: 31 Jan 2017 19:00

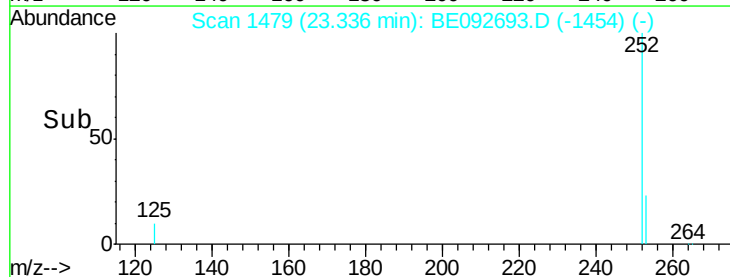
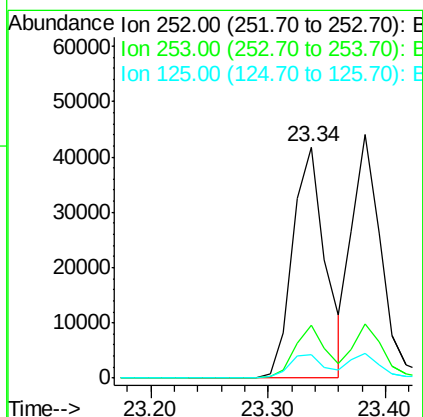
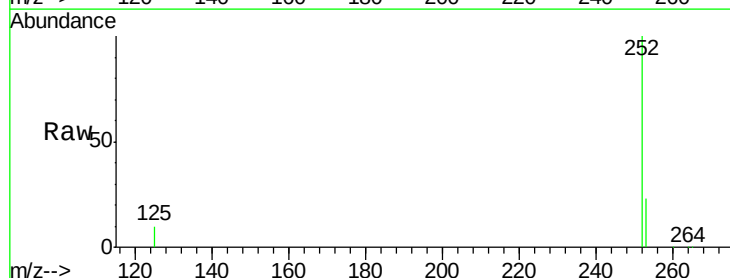
Instrument :
 BNA_E
 ClientSampleId :
 PB96580BS

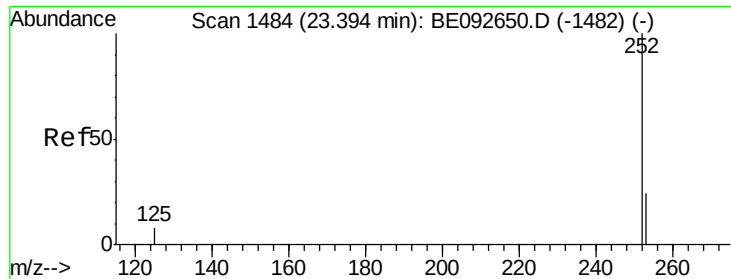
Tgt Ion: 264 Resp: 74524
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.1 30.1
 265 22.4 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 4.45 ng
 RT: 23.34 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BE092693.D
 Acq: 31 Jan 2017 19:00

Tgt Ion: 252 Resp: 80299
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.7 28.1
 125 10.1 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 4.29 ng

RT: 23.38 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

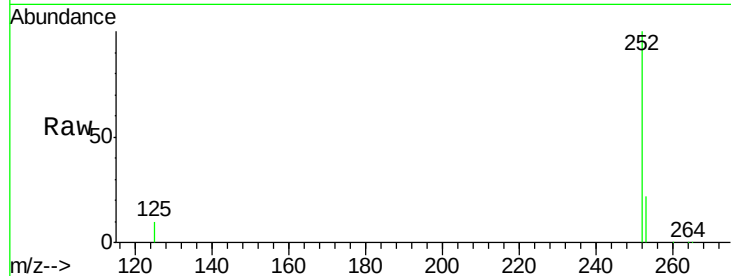
Tgt Ion:252 Resp: 77709

Ion Ratio Lower Upper

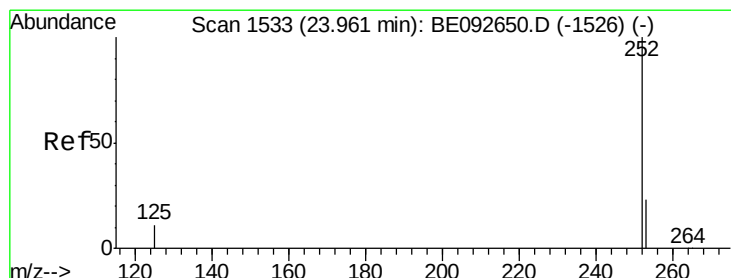
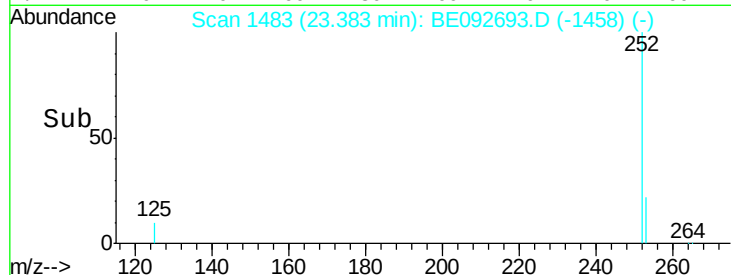
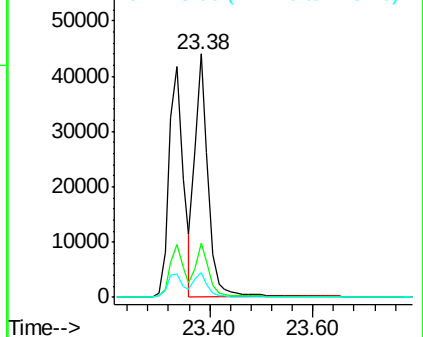
252 100

253 22.0 20.3 30.5

125 10.2 9.6 14.4



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



#34

Benzo(a)pyrene

Concen: 4.65 ng

RT: 23.95 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

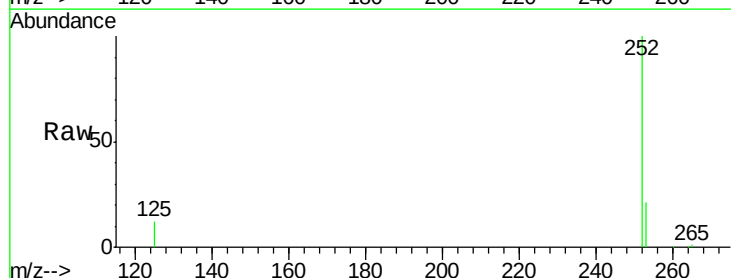
Tgt Ion:252 Resp: 78615

Ion Ratio Lower Upper

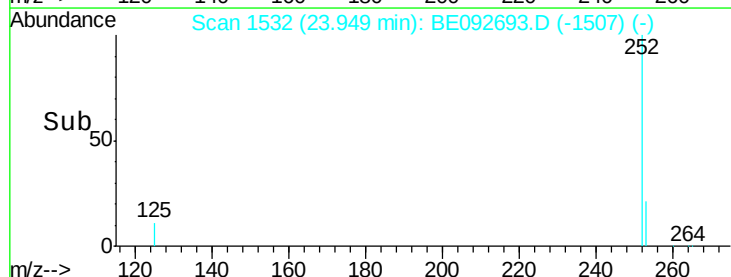
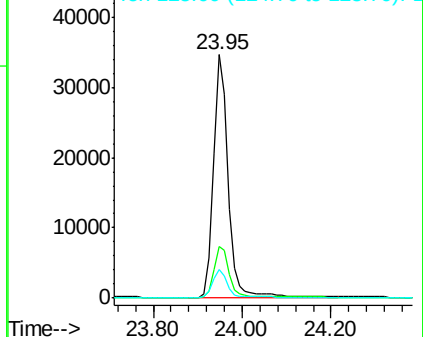
252 100

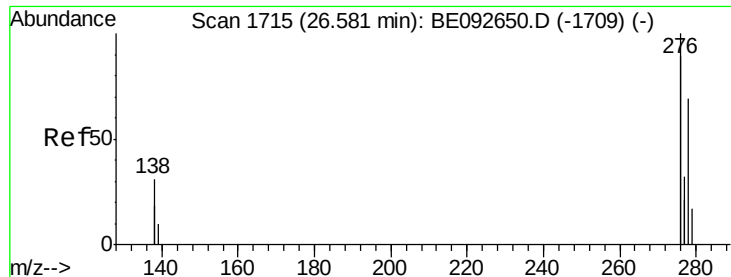
253 21.4 19.0 28.6

125 11.6 11.8 17.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 4.54 ng

RT: 26.55 min Scan# 1713

Delta R.T. -0.03 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

Instrument :

BNA_E

ClientSampleId :

PB96580BS

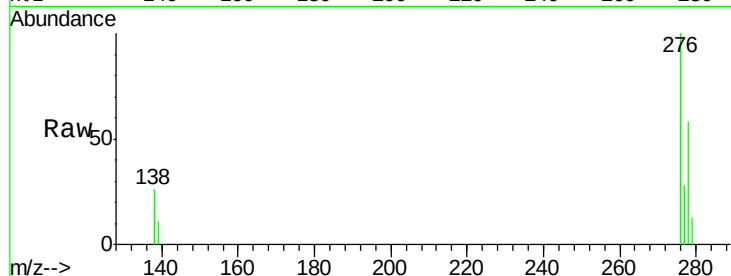
Tgt Ion: 278 Resp: 75163

Ion Ratio Lower Upper

278 100

139 18.3 13.8 20.8

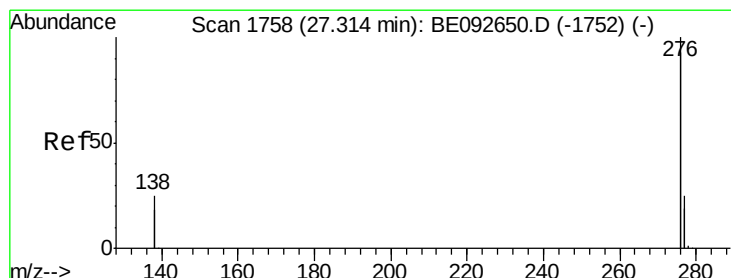
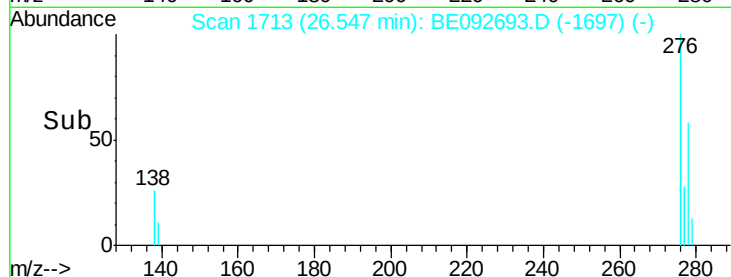
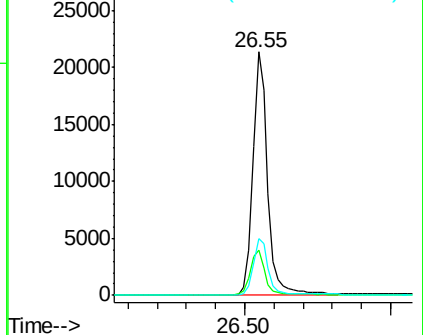
279 23.1 21.4 32.2



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



#36

Benzo(g,h,i)perylene

Concen: 4.48 ng

RT: 27.30 min Scan# 1757

Delta R.T. -0.02 min

Lab File: BE092693.D

Acq: 31 Jan 2017 19:00

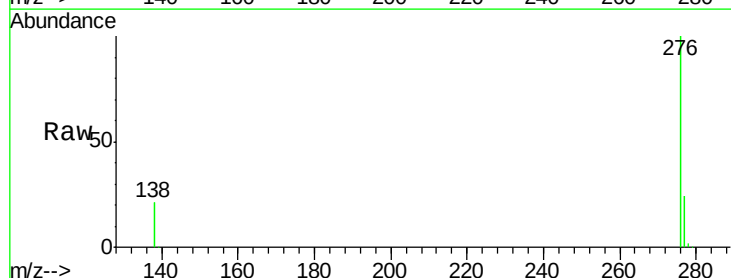
Tgt Ion: 276 Resp: 313410

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.8

138 21.3 19.8 29.6



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

