

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013117\
 Data File : BE092695.D
 Acq On : 31 Jan 2017 20:14
 Operator : SJ/MA
 Sample : I1505-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-01

Quant Time: Feb 01 02:22:35 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	10865	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	48592	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	27142	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	60107	5.00	ng	0.00
24) Chrysene-d12	21.72	240	63314	5.00	ng	0.00
31) Perylene-d12	24.07	264	30063	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.64	112	16594	6.84	ng	-0.01
5) Phenol-d6	7.31	99	14265	4.80	ng	-0.02
8) Nitrobenzene-d5	9.32	82	15246	4.83	ng	-0.02
13) 2,4,6-Tribromophenol	16.28	330	7197	8.96	ng	-0.01
14) 2-Fluorobiphenyl	13.40	172	37657	5.64	ng	-0.02
26) Terphenyl-d14	20.14	244	49041	5.48	ng	-0.02

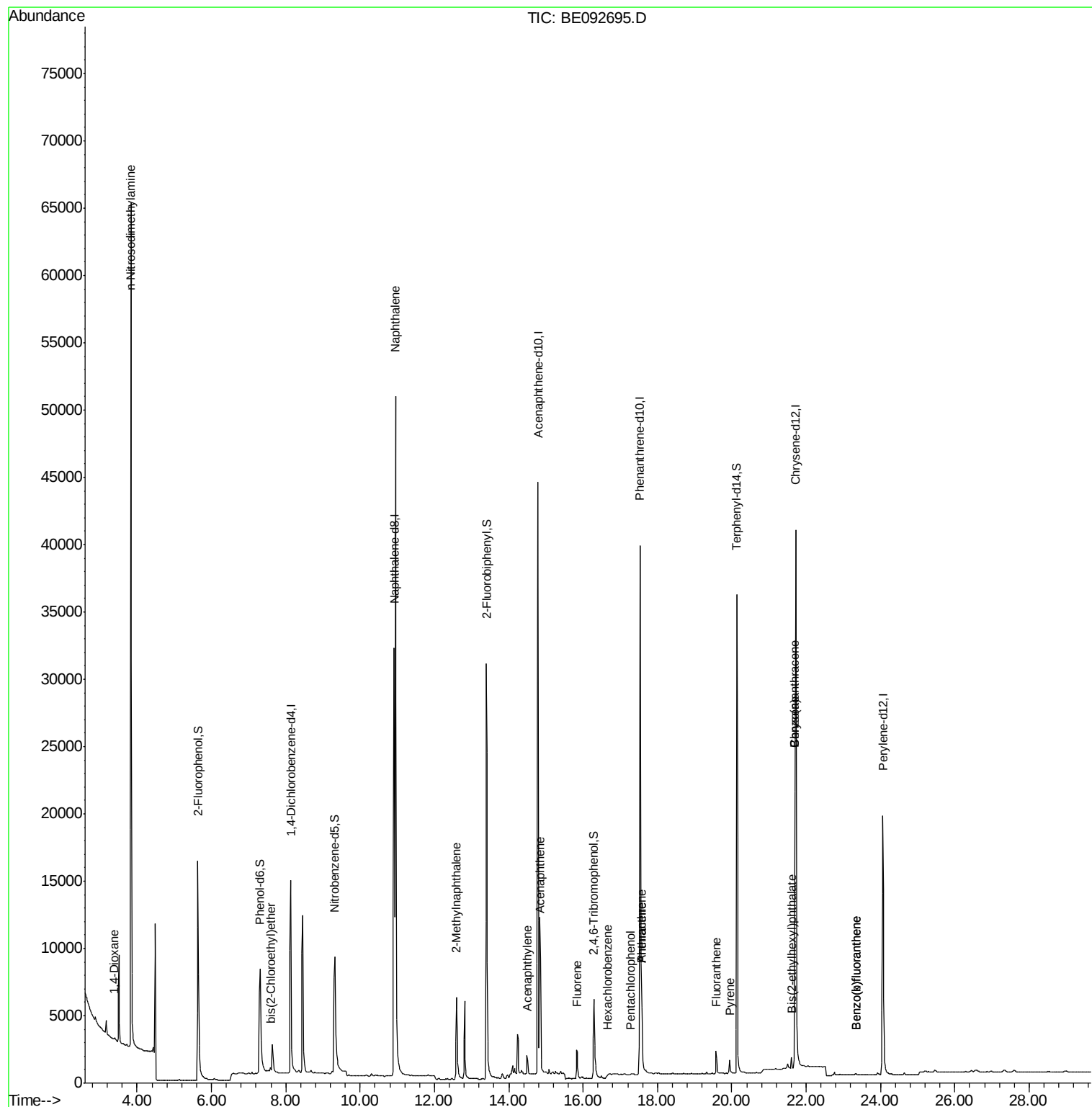
Target Compounds						Qvalue
2) 1,4-Dioxane	3.39	88	160	0.04	ng	# 19
3) n-Nitrosodimethylamine	3.84	42	2117	1.08	ng	# 1
6) bis(2-Chloroethyl)ether	7.59	93	90	0.03	ng	# 1
9) Naphthalene	10.95	128	83617	8.24	ng	# 95
11) 2-Methylnaphthalene	12.59	142	6369	1.01	ng	99
15) Acenaphthylene	14.49	152	2494	0.07	ng	# 89
16) Acenaphthene	14.85	154	2856	0.48	ng	89
17) Fluorene	15.84	166	2142	0.28	ng	100
19) Hexachlorobenzene	16.66	284	626	0.23	ng	# 40
20) Pentachlorophenol	17.28	266	25	0.04	ng	# 75
21) Phenanthrene	17.58	178	5134	0.39	ng	96
22) Anthracene	17.58	178	5134	0.42	ng	97
23) Fluoranthene	19.58	202	2798	0.05	ng	98
25) Pyrene	19.95	202	1887	0.03	ng	# 90
27) Benzo(a)anthracene	21.70	228	1858	0.03	ng	# 67
28) Chrysene	21.70	228	1858	0.03	ng	# 75
29) Bis(2-ethylhexyl)phthalate	21.61	149	932	0.28	ng	# 71
32) Benzo(b)fluoranthene	23.35	252	308	0.04	ng	# 1
33) Benzo(k)fluoranthene	23.35	252	308	0.04	ng	# 1

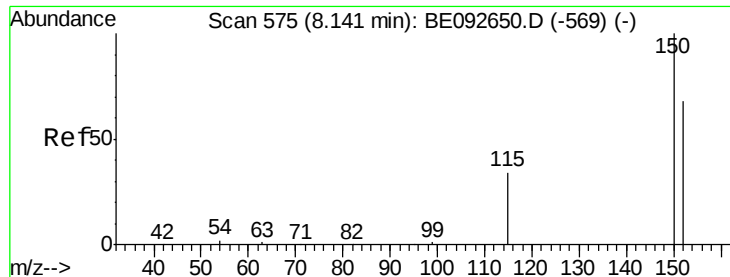
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013117\
Data File : BE092695.D
Acq On : 31 Jan 2017 20:14
Operator : SJ/MA
Sample : I1505-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SB-01

Quant Time: Feb 01 02:22:35 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

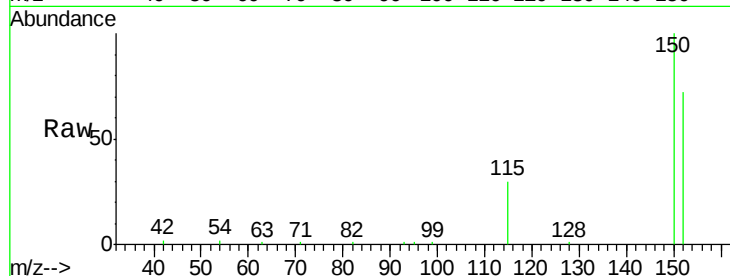
Tgt Ion:152 Resp: 10865

Ion Ratio Lower Upper

152 100

150 139.1 106.0 159.0

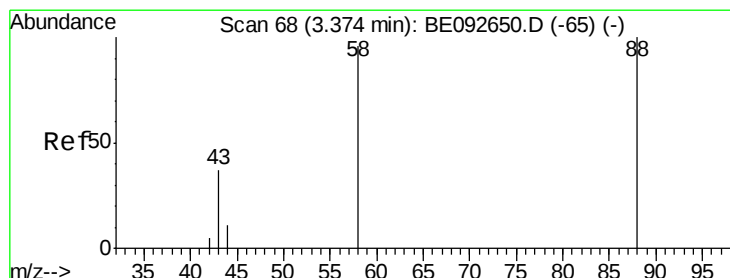
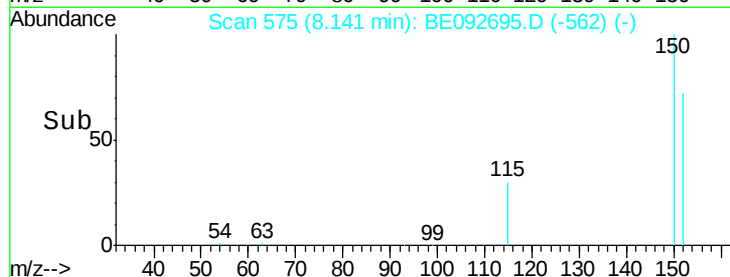
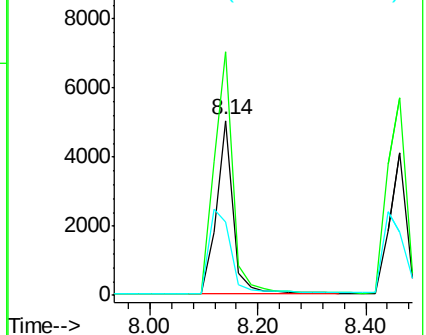
115 42.2 31.2 46.8



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: 0.04 ng

RT: 3.39 min Scan# 69

Delta R.T. 0.01 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

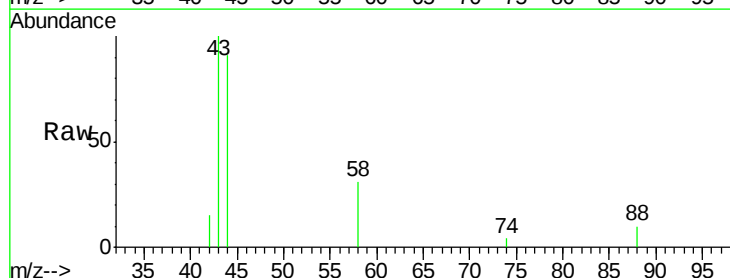
Tgt Ion: 88 Resp: 160

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

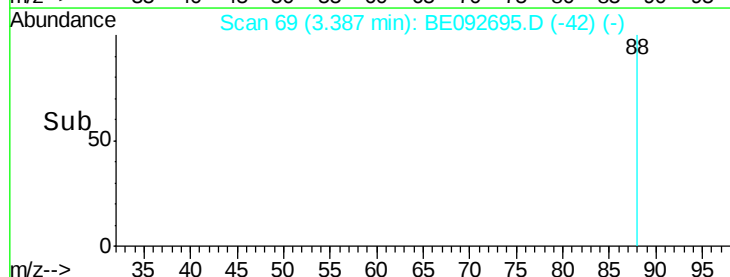
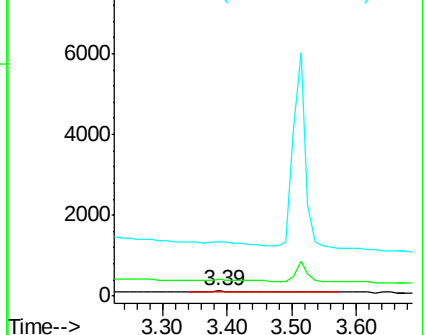
43 0.0 28.0 42.0#

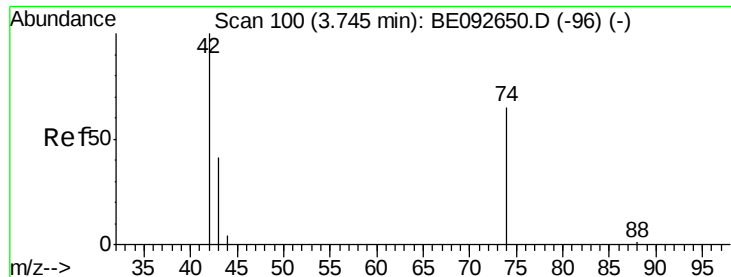


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.08 ng

RT: 3.84 min Scan# 108

Delta R.T. 0.09 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

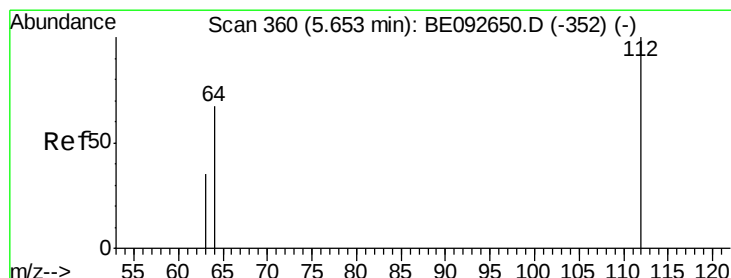
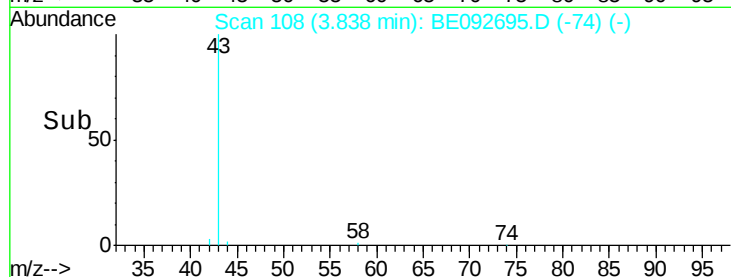
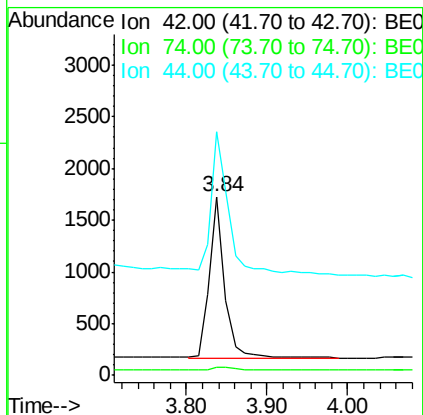
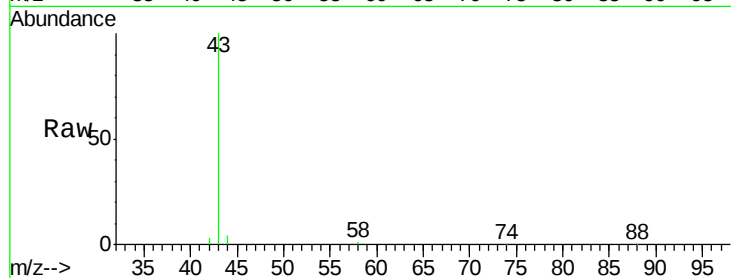
Tgt Ion: 42 Resp: 2117

Ion Ratio Lower Upper

42 100

74 2.8 86.0 129.0#

44 100.6 5.1 7.7#



#4

2-Fluorophenol

Concen: 6.84 ng

RT: 5.64 min Scan# 358

Delta R.T. -0.01 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

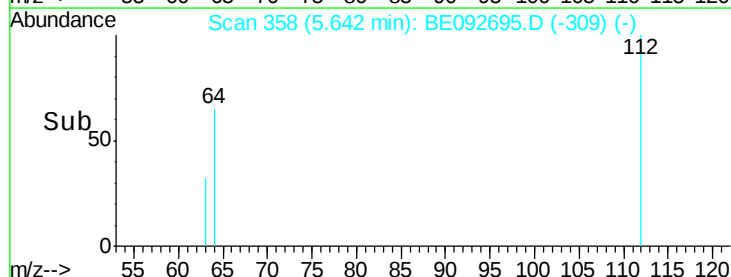
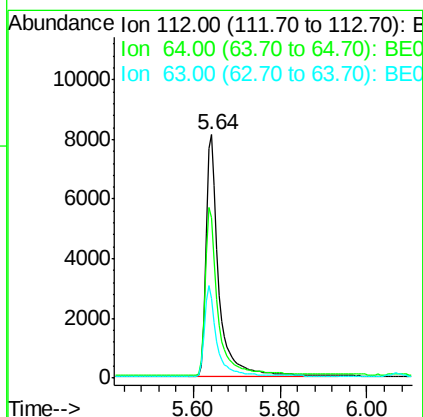
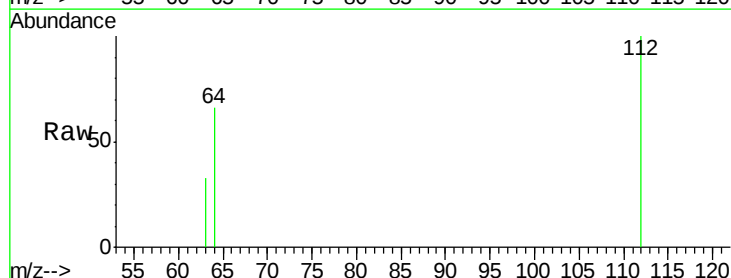
Tgt Ion: 112 Resp: 16594

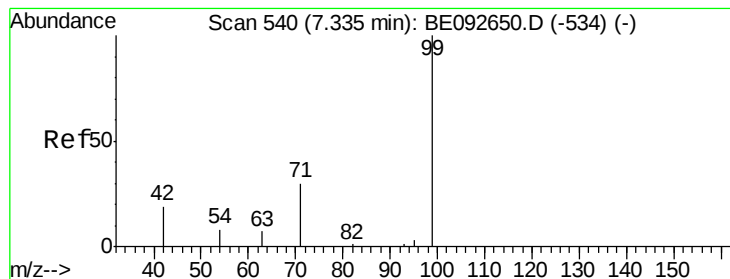
Ion Ratio Lower Upper

112 100

64 68.1 53.5 80.3

63 36.5 27.9 41.9





#5

Phenol-d6

Concen: 4.80 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

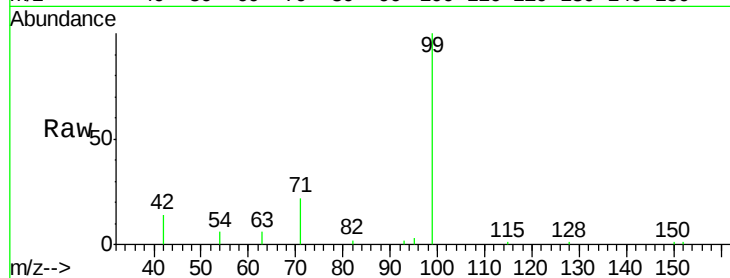
Tgt Ion: 99 Resp: 14265

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

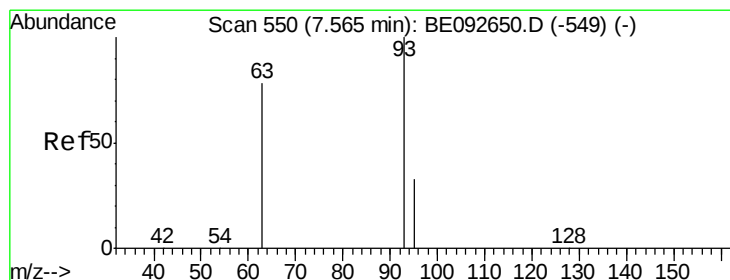
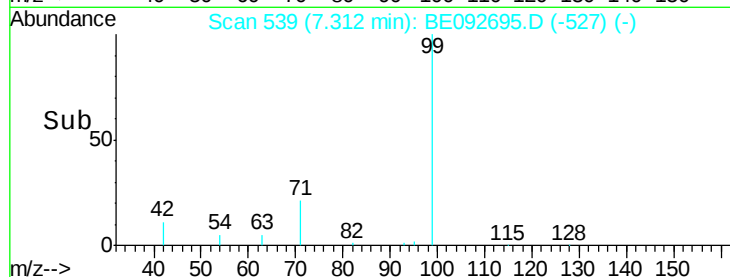
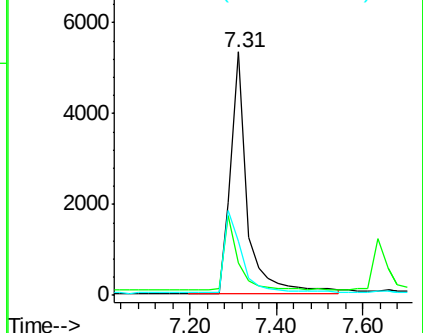
71 0.0 30.6 45.8#



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: 0.03 ng

RT: 7.59 min Scan# 551

Delta R.T. 0.02 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

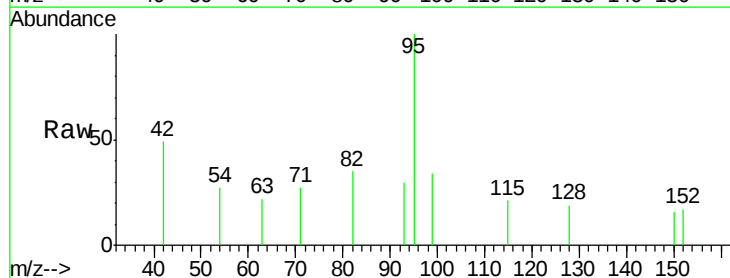
Tgt Ion: 93 Resp: 90

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

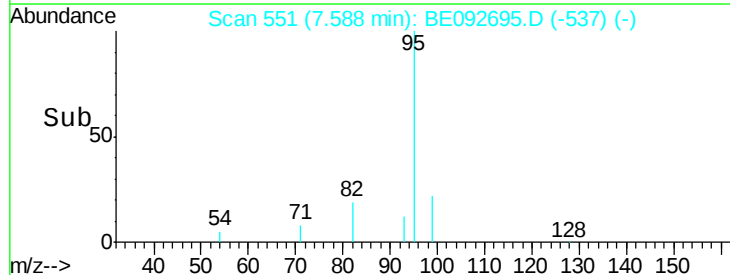
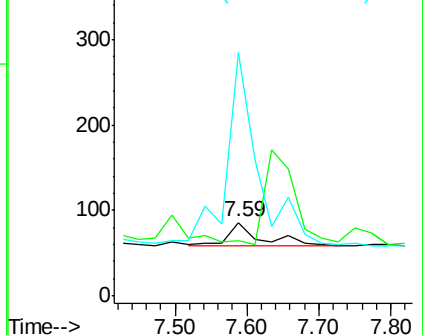
95 775.6 24.0 36.0#

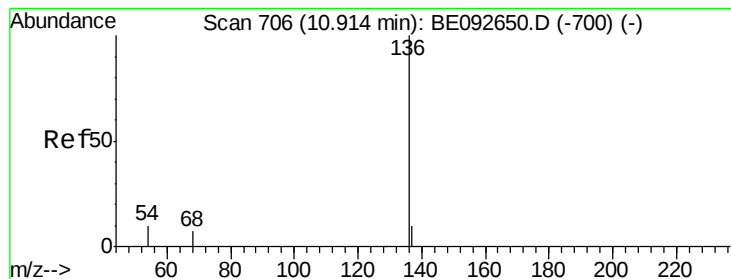


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092695.D

Acq: 31 Jan 2017 20:14

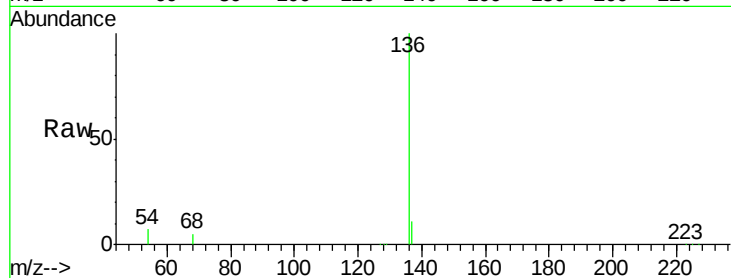
Instrument :

BNA_E

ClientSampleId :

SB-01

Tgt Ion:	136	Resp:	48592
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	6.7	9.6	14.4#
68	5.1	6.7	10.1#

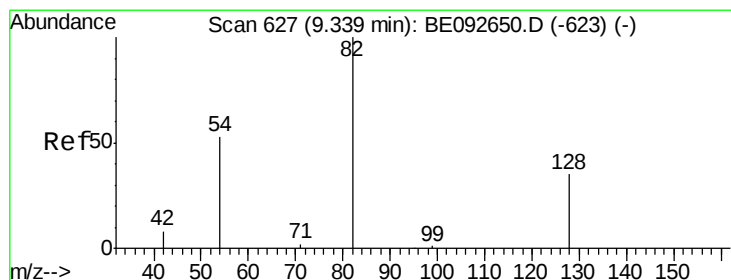
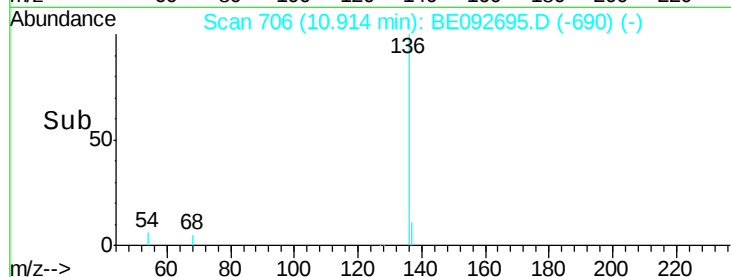
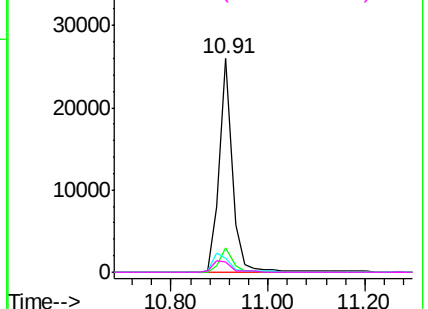


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 4.83 ng

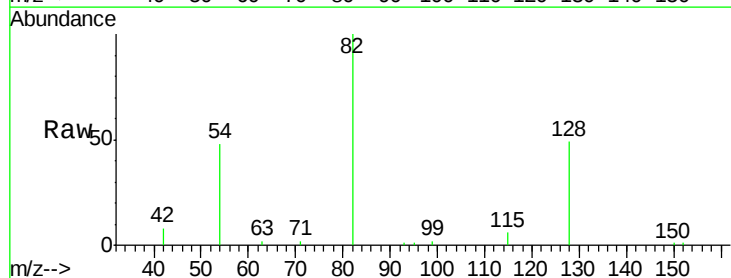
RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

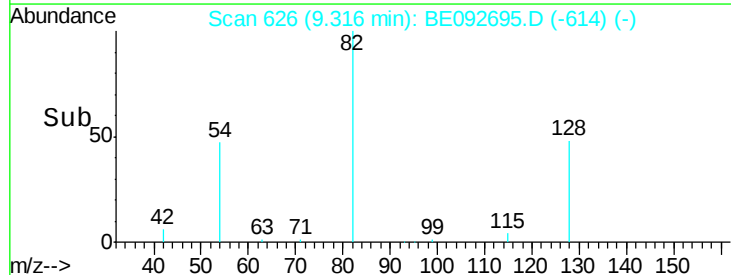
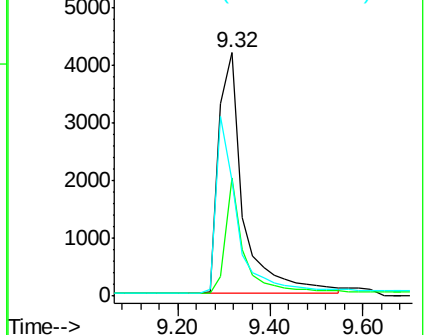
Tgt Ion:	82	Resp:	15246
Ion	Ratio	Lower	Upper
82	100		
128	48.6	39.0	58.4
54	47.6	44.8	67.2

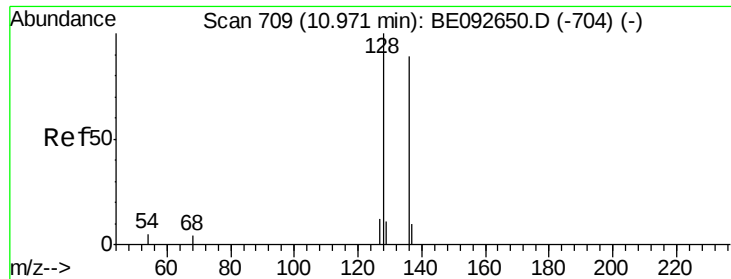


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 8.24 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

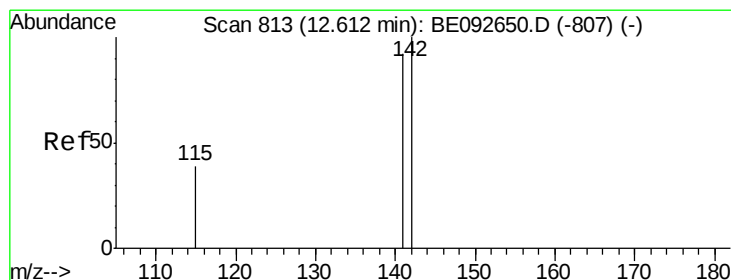
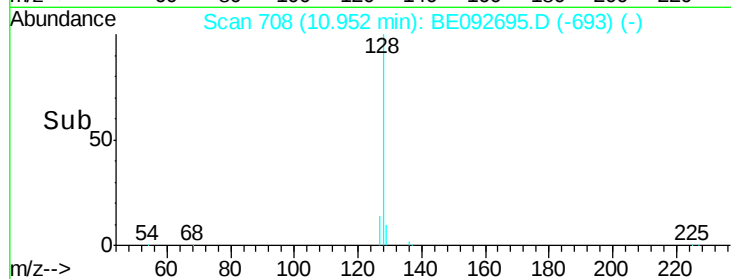
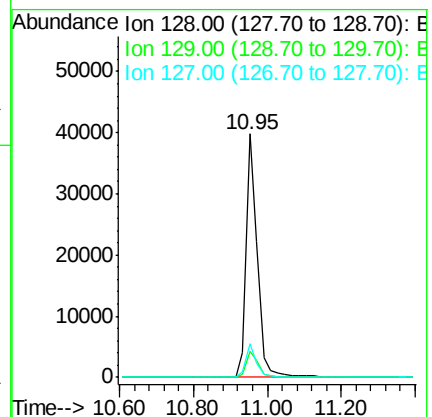
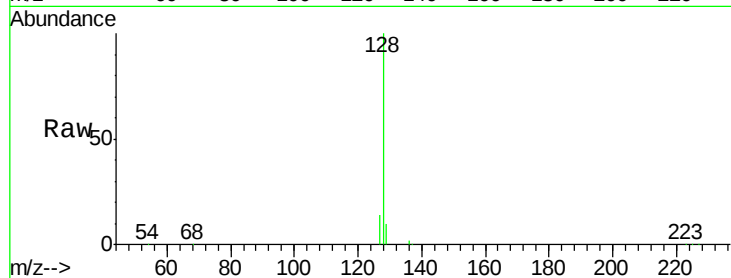
Tgt Ion:128 Resp: 83617

Ion Ratio Lower Upper

128 100

129 10.5 11.2 16.8#

127 14.0 11.6 17.4



#11

2-Methylnaphthalene

Concen: 1.01 ng

RT: 12.59 min Scan# 811

Delta R.T. -0.02 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

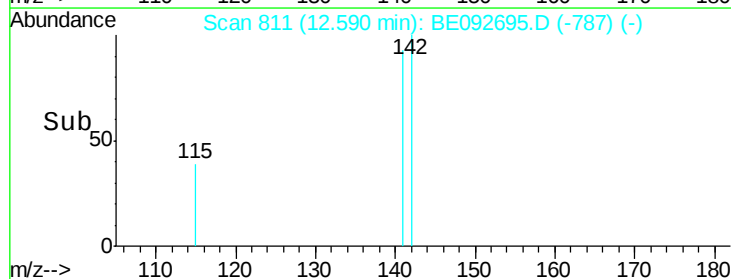
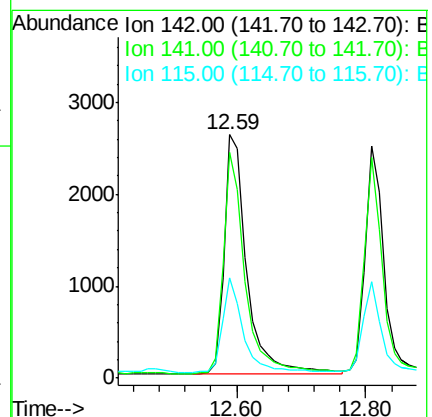
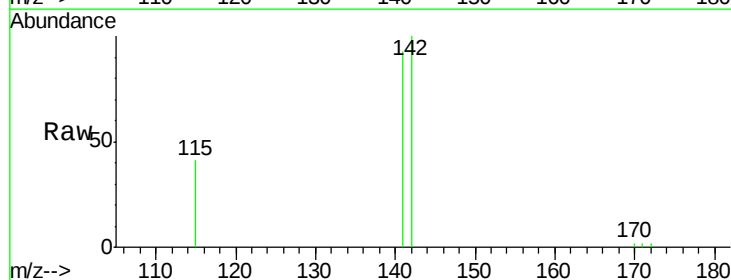
Tgt Ion:142 Resp: 6369

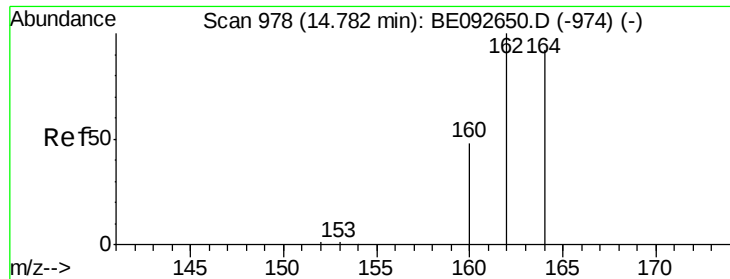
Ion Ratio Lower Upper

142 100

141 92.9 73.7 110.5

115 41.2 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: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

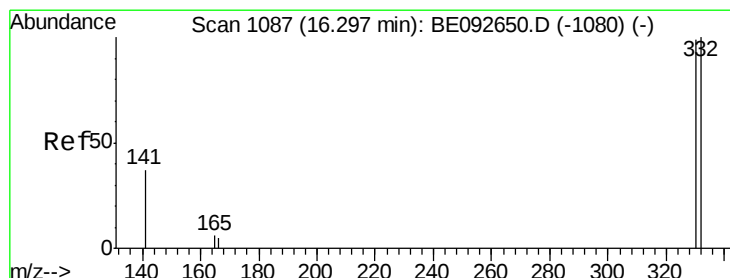
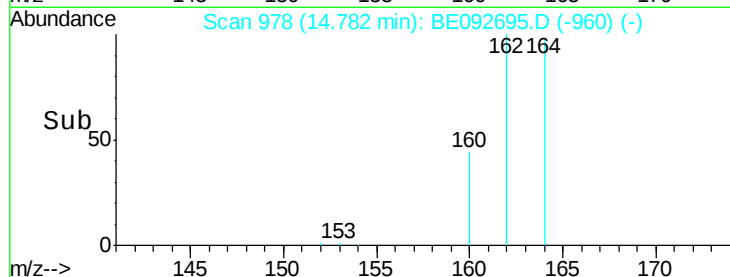
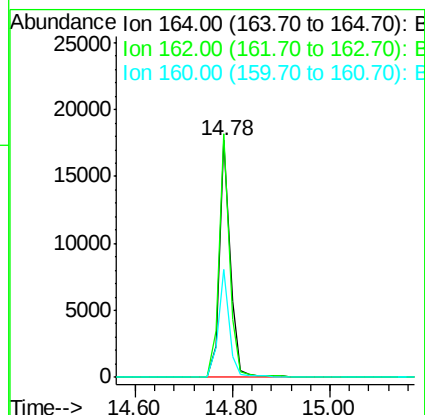
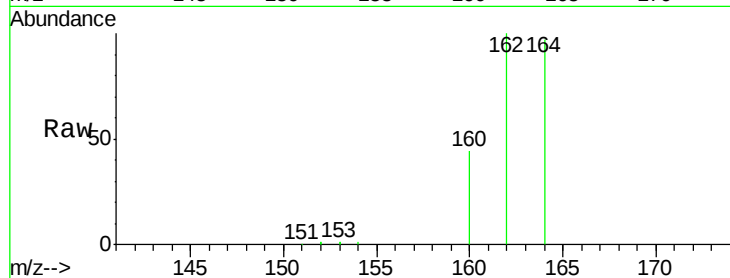
Tgt Ion:164 Resp: 27142

Ion Ratio Lower Upper

164 100

162 102.8 71.4 107.0

160 45.6 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 8.96 ng

RT: 16.28 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

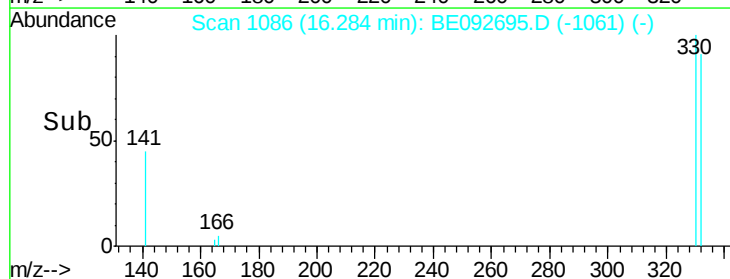
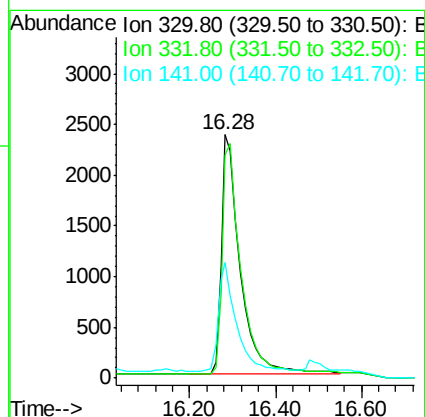
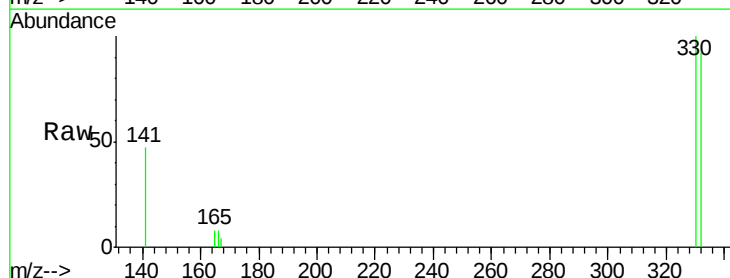
Tgt Ion:330 Resp: 7197

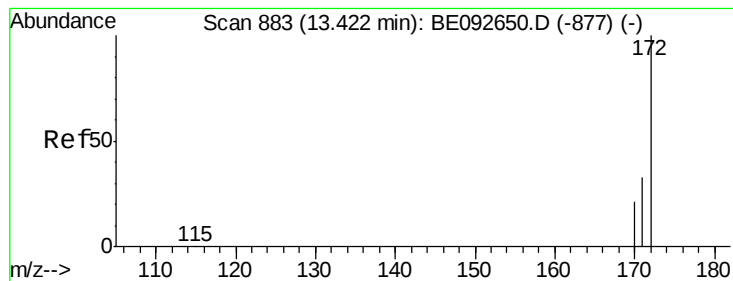
Ion Ratio Lower Upper

330 100

332 96.8 75.4 113.0

141 44.2 31.0 46.6

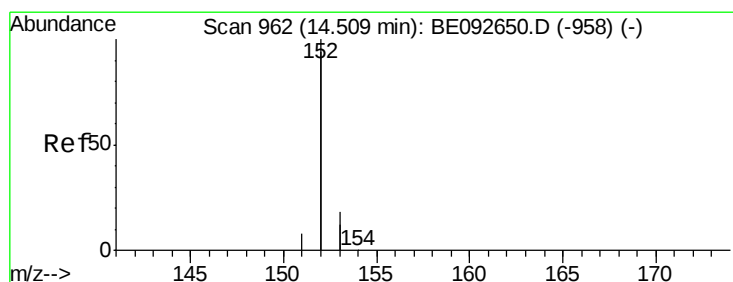
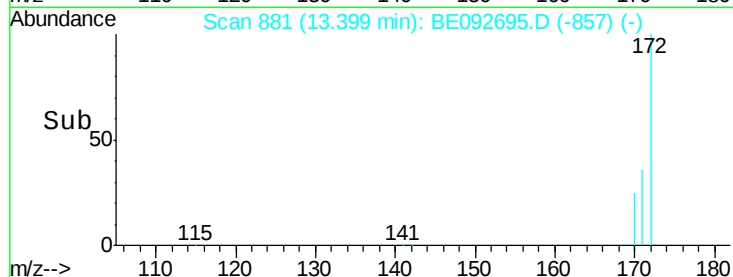
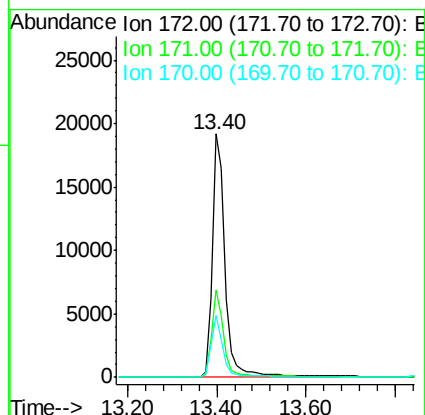
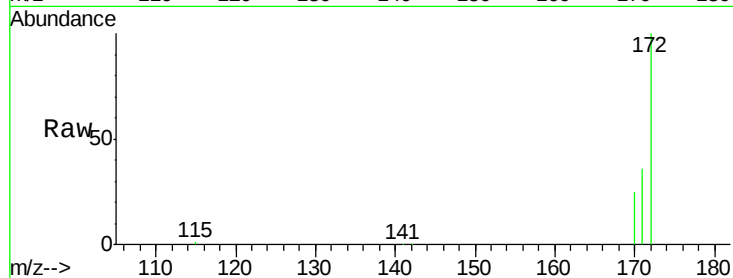




#14
2-Fluorobiphenyl
Concen: 5.64 ng
RT: 13.40 min Scan# 881
Delta R.T. -0.02 min
Lab File: BE092695.D
Acq: 31 Jan 2017 20:14

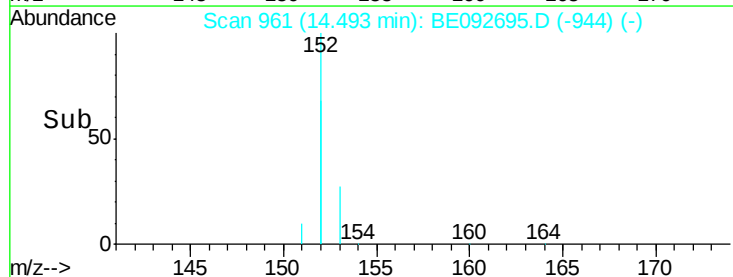
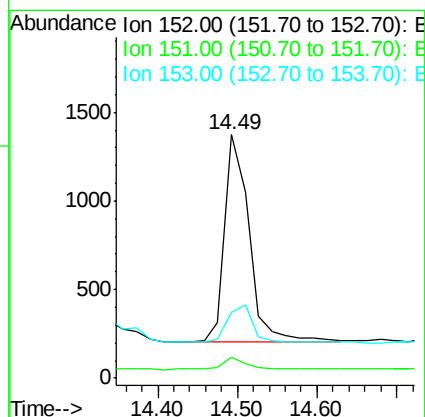
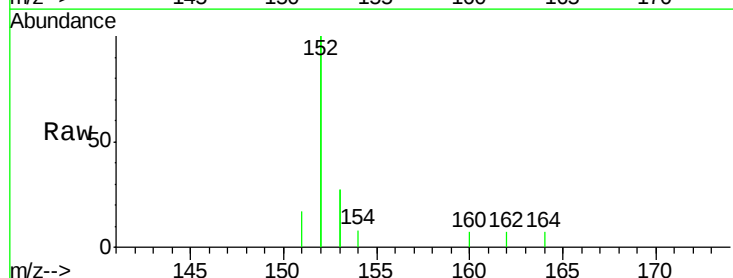
Instrument :
BNA_E
ClientSampled :
SB-01

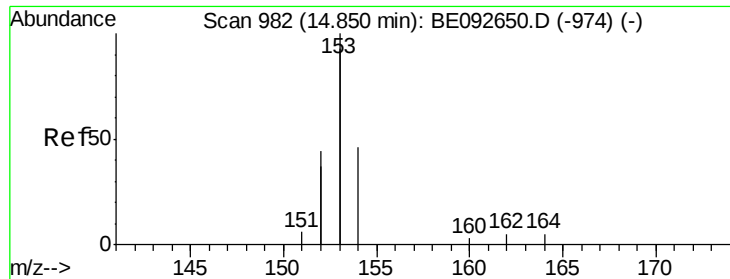
Tgt Ion:172 Resp: 37657
Ion Ratio Lower Upper
172 100
171 35.9 30.1 45.1
170 25.2 21.8 32.6



#15
Acenaphthylene
Concen: 0.07 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092695.D
Acq: 31 Jan 2017 20:14

Tgt Ion:152 Resp: 2494
Ion Ratio Lower Upper
152 100
151 5.7 3.9 5.9
153 18.8 10.4 15.6#





#16

Acenaphthene

Concen: 0.48 ng

RT: 14.85 min Scan# 982

Delta R.T. 0.00 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

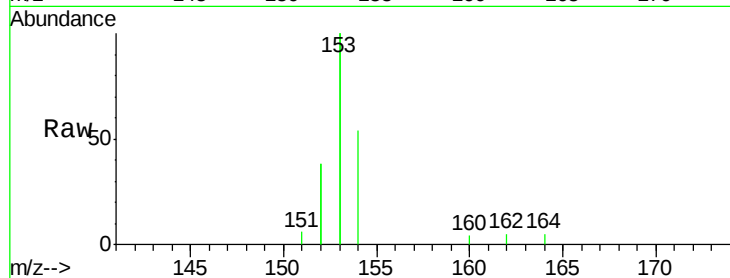
Tgt Ion:154 Resp: 2856

Ion Ratio Lower Upper

154 100

153 458.3 350.8 526.2

152 241.2 171.1 256.7

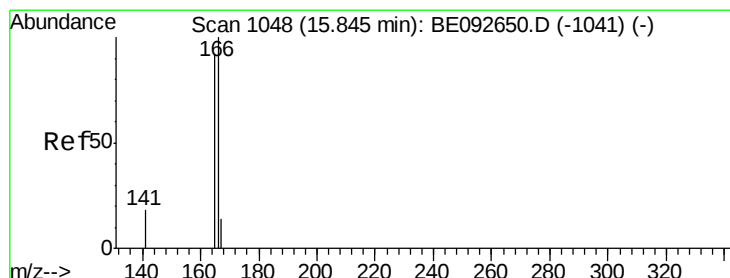
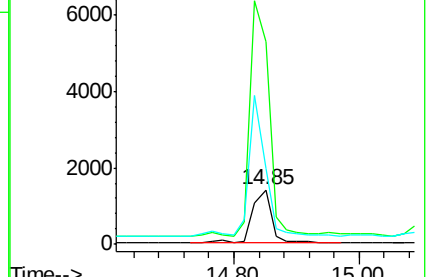
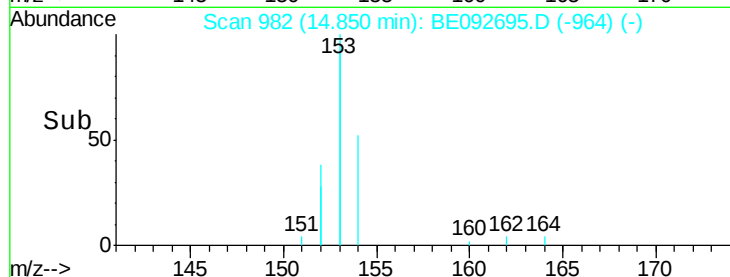


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



#17

Fluorene

Concen: 0.28 ng

RT: 15.84 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

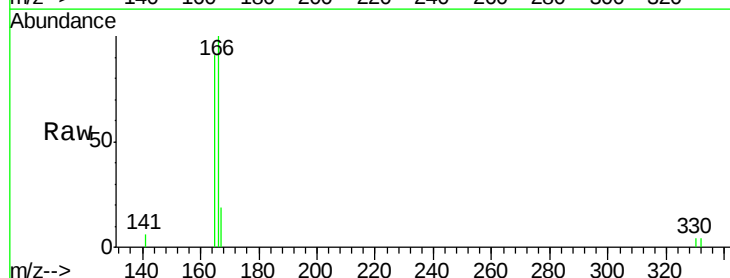
Tgt Ion:166 Resp: 2142

Ion Ratio Lower Upper

166 100

165 97.9 78.2 117.4

167 14.1 11.0 16.4

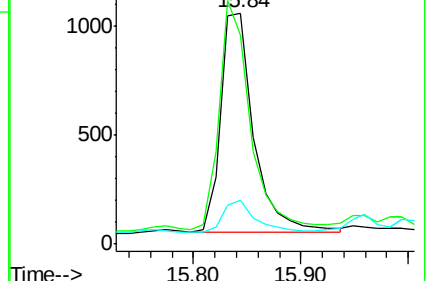
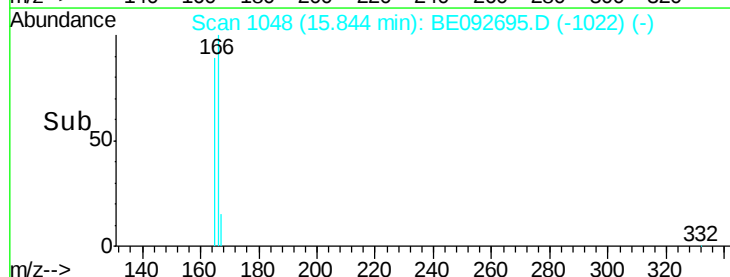


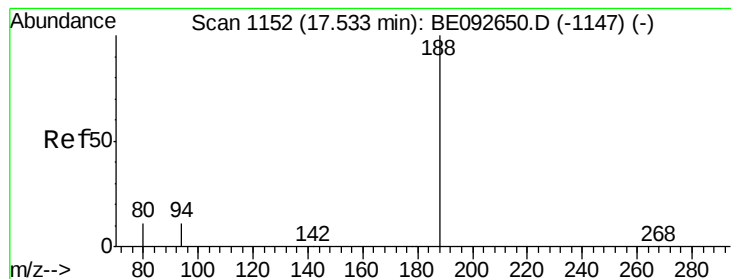
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

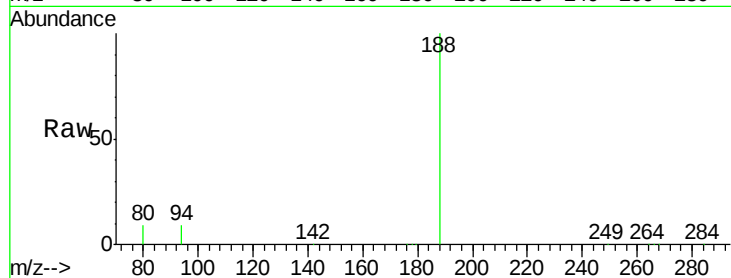
Tgt Ion:188 Resp: 60107

Ion Ratio Lower Upper

188 100

94 9.0 3.2 4.8#

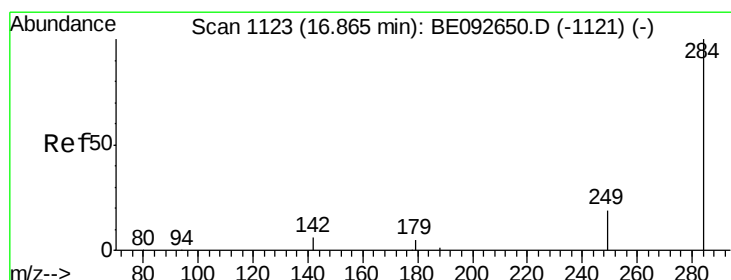
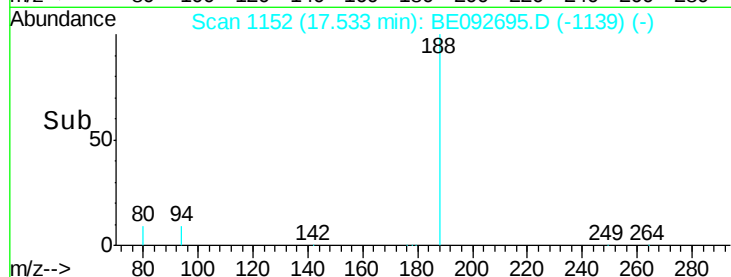
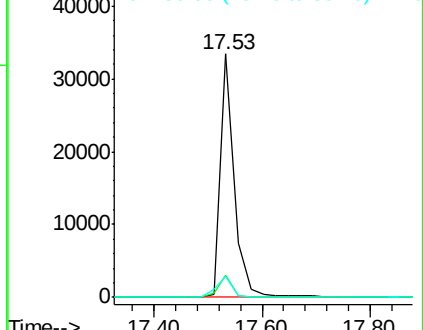
80 8.7 2.6 3.8#



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



#19

Hexachlorobenzene

Concen: 0.23 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

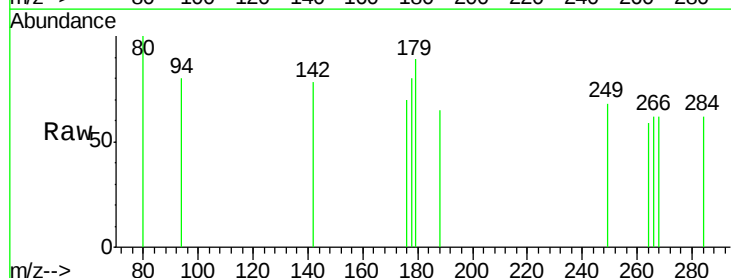
Tgt Ion:284 Resp: 626

Ion Ratio Lower Upper

284 100

142 72.2 29.1 43.7#

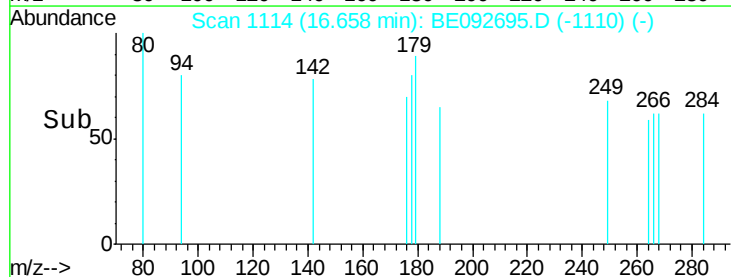
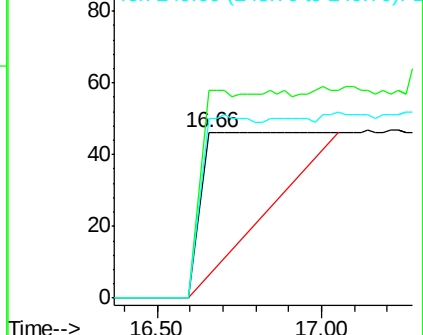
249 0.0 27.9 41.9#

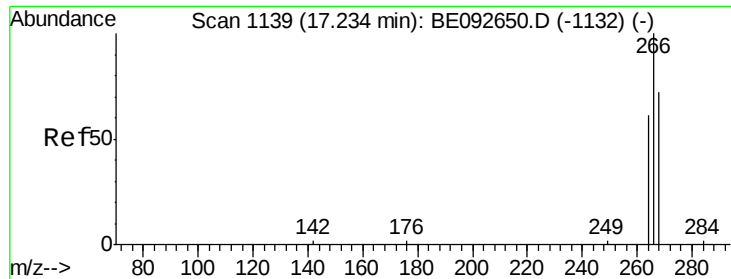


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

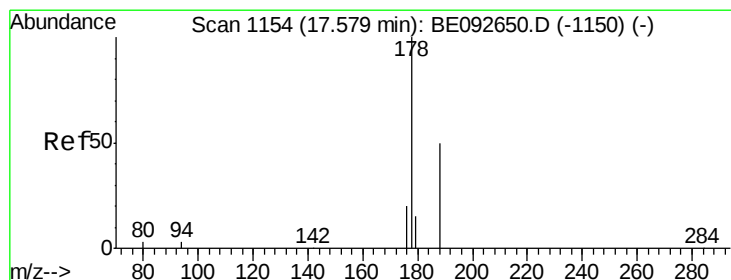
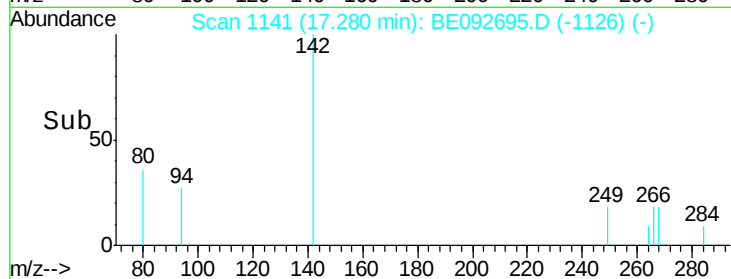
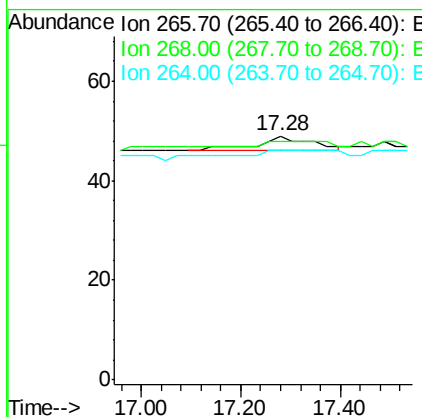
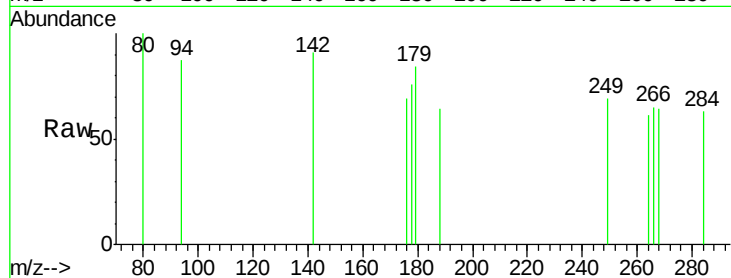




#20
 Pentachlorophenol
 Concen: 0.04 ng
 RT: 17.28 min Scan# 1141
 Delta R.T. 0.05 min
 Lab File: BE092695.D
 Acq: 31 Jan 2017 20:14

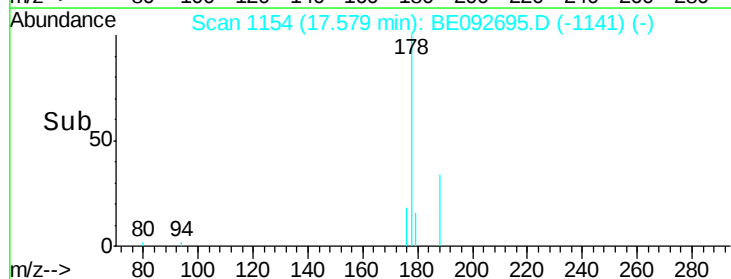
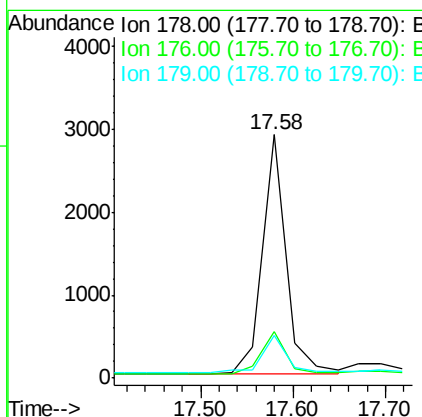
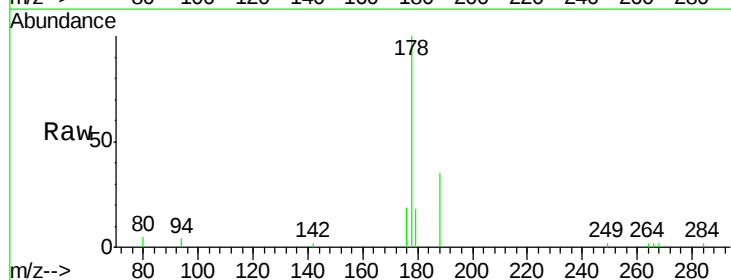
Instrument :
 BNA_E
 ClientSampleId :
 SB-01

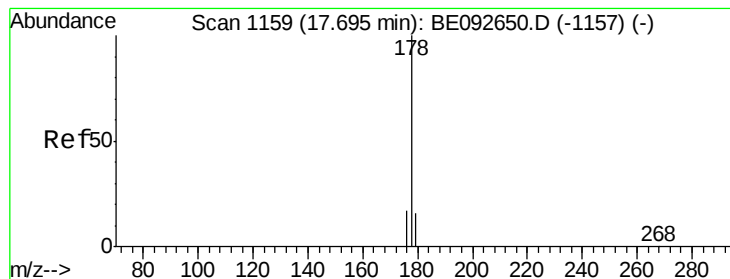
Tgt Ion: 266 Resp: 25
 Ion Ratio Lower Upper
 266 100
 268 98.0 62.5 93.7#
 264 93.9 57.2 85.8#



#21
 Phenanthrene
 Concen: 0.39 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE092695.D
 Acq: 31 Jan 2017 20:14

Tgt Ion: 178 Resp: 5134
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 17.4 16.0 24.0





#22

Anthracene

Concen: 0.42 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.12 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

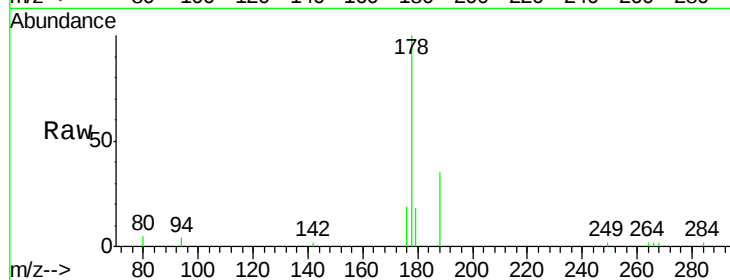
Tgt Ion:178 Resp: 5134

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

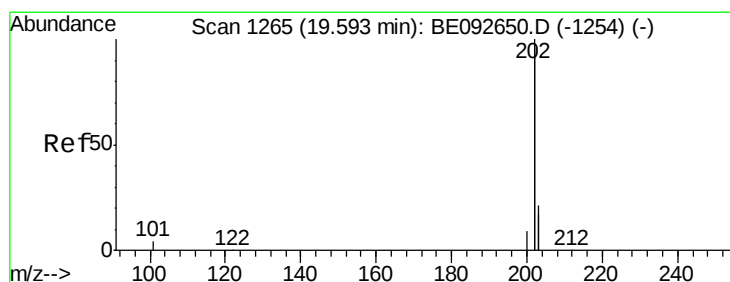
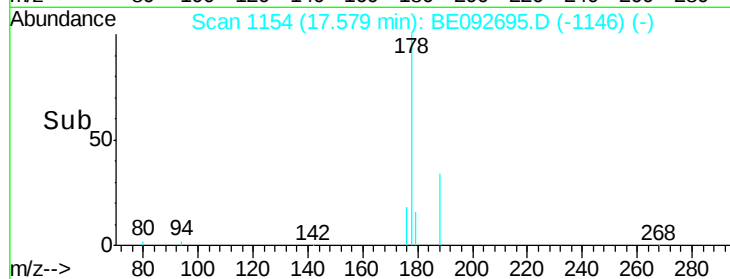
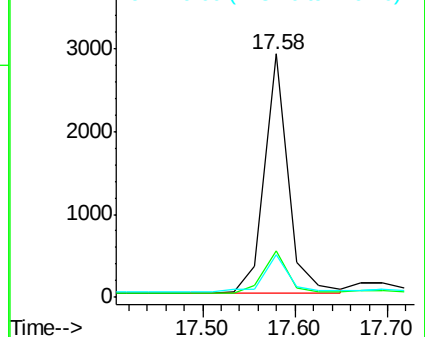
179 17.4 12.2 18.2



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: 0.05 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

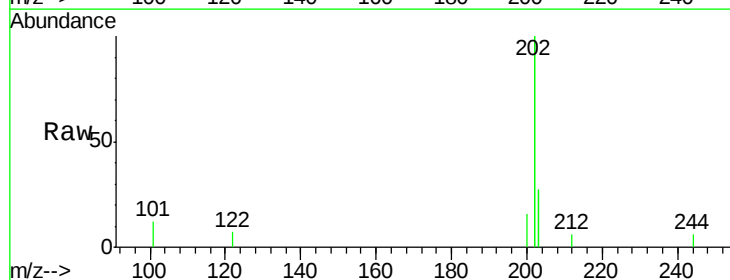
Tgt Ion:202 Resp: 2798

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

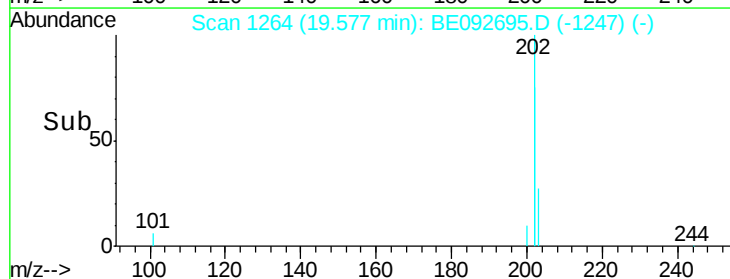
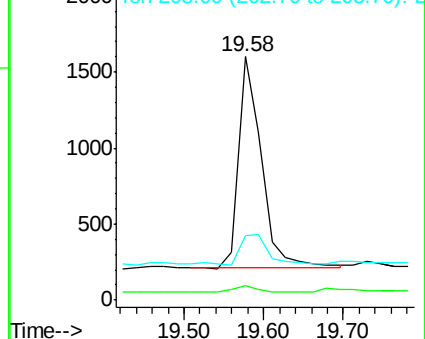
203 16.3 13.7 20.5

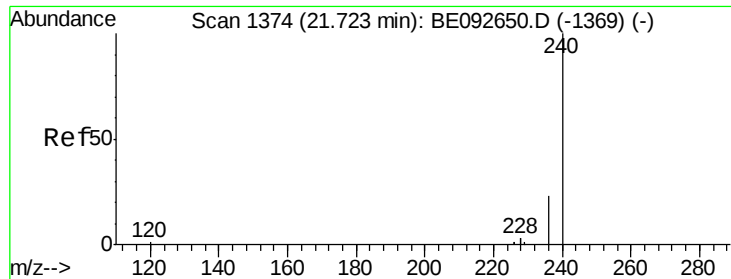


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

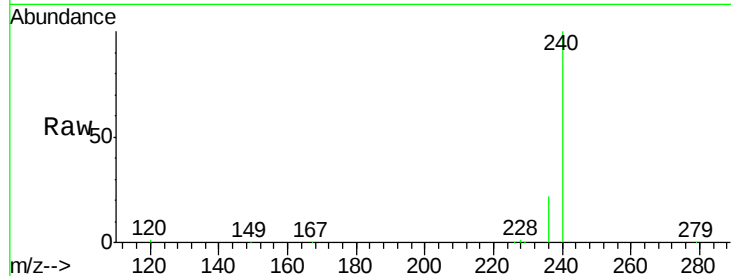
Tgt Ion:240 Resp: 63314

Ion Ratio Lower Upper

240 100

120 1.3 2.6 4.0#

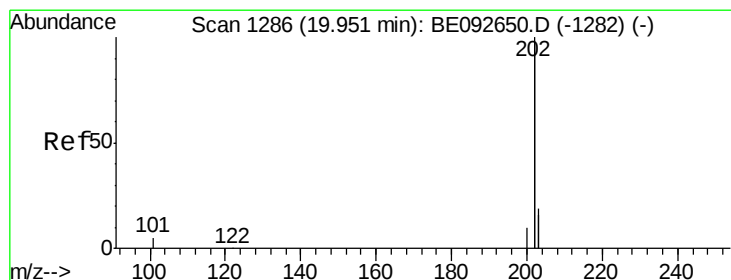
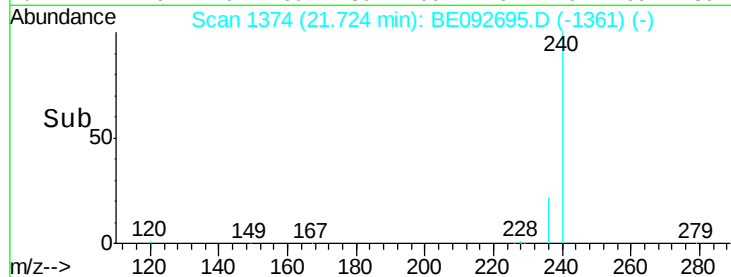
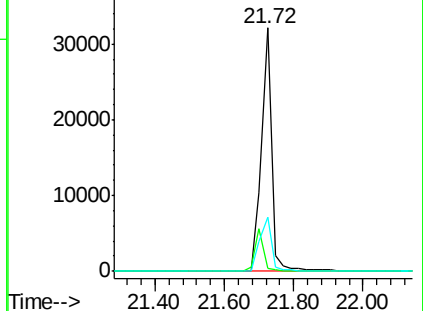
236 22.5 24.6 37.0#



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: 0.03 ng

RT: 19.95 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

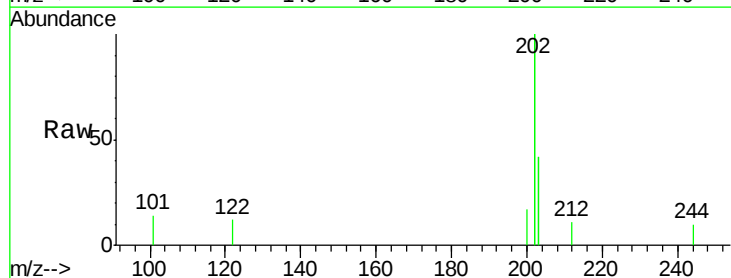
Tgt Ion:202 Resp: 1887

Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

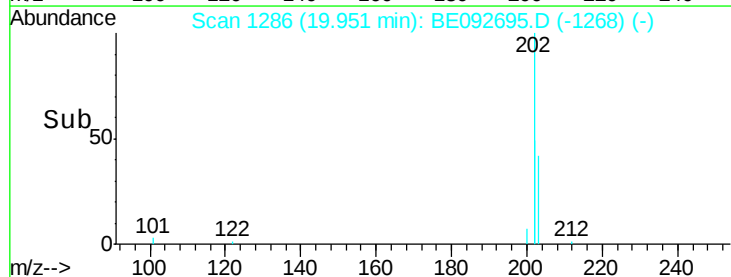
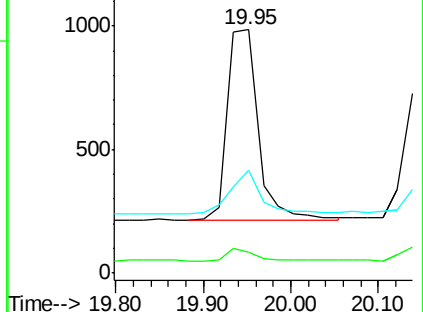
203 22.8 13.9 20.9#

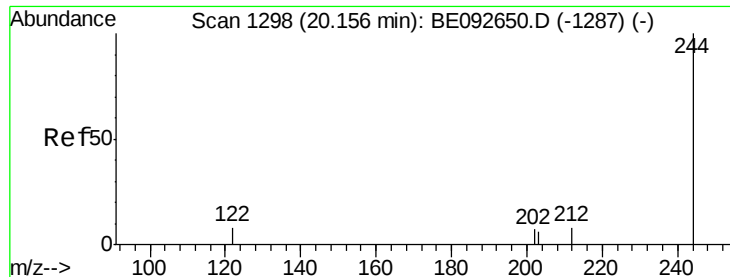


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

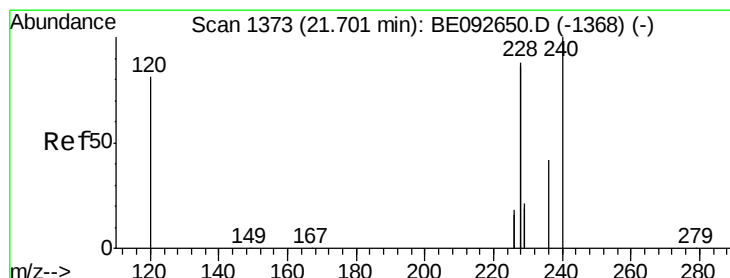
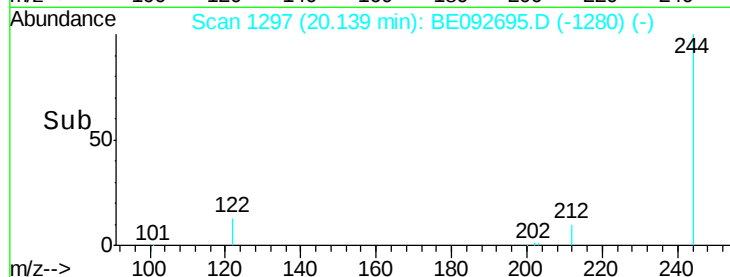
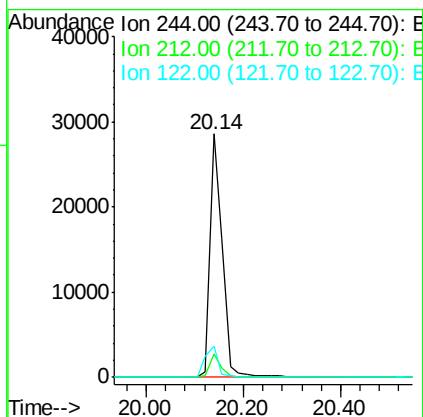
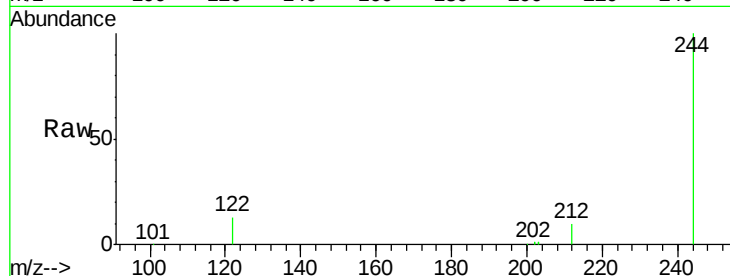




#26
 Terphenyl-d14
 Concen: 5.48 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092695.D
 Acq: 31 Jan 2017 20:14

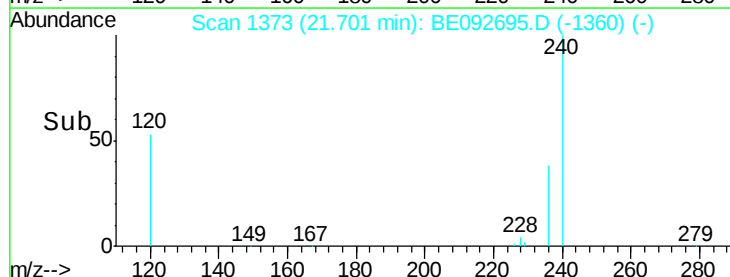
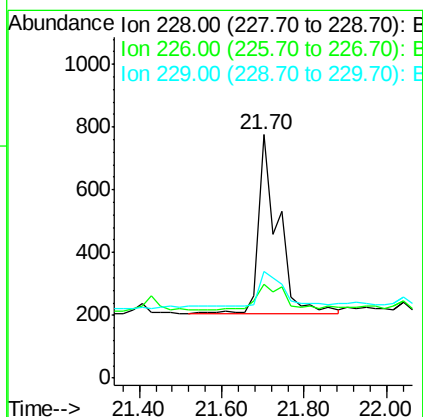
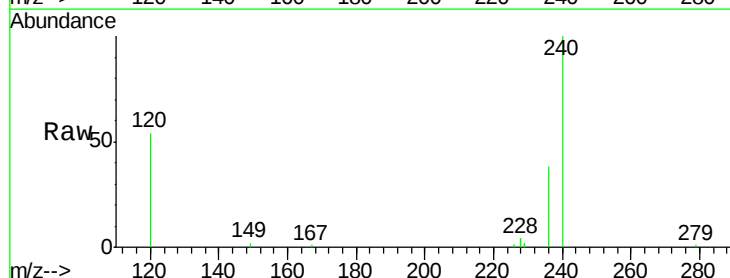
Instrument :
 BNA_E
 ClientSampleId :
 SB-01

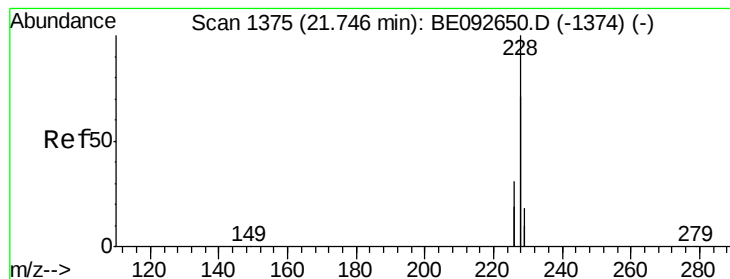
Tgt Ion:244 Resp: 49041
 Ion Ratio Lower Upper
 244 100
 212 9.7 6.7 10.1
 122 12.8 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092695.D
 Acq: 31 Jan 2017 20:14

Tgt Ion:228 Resp: 1858
 Ion Ratio Lower Upper
 228 100
 226 38.4 23.6 35.4#
 229 43.6 13.3 19.9#





#28

Chrysene

Concen: 0.03 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.05 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

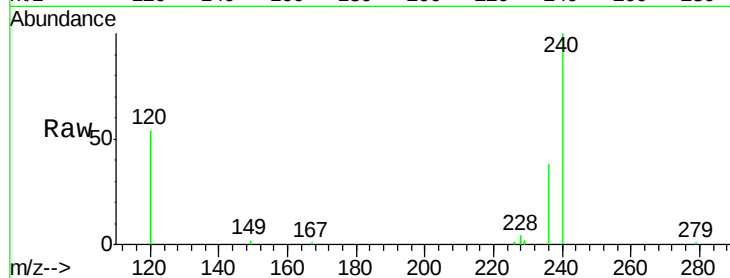
Tgt Ion: 228 Resp: 1858

Ion Ratio Lower Upper

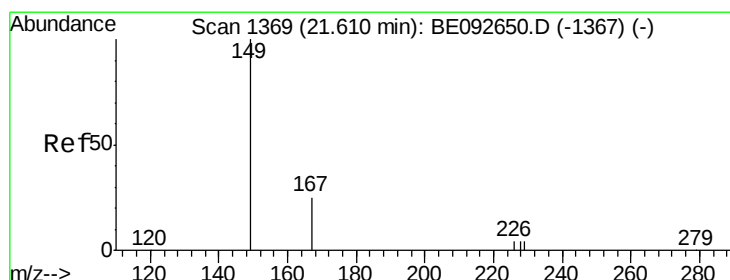
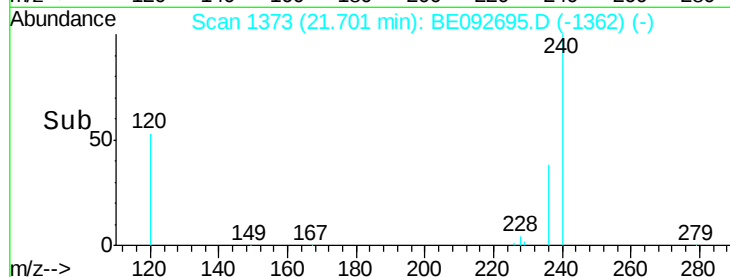
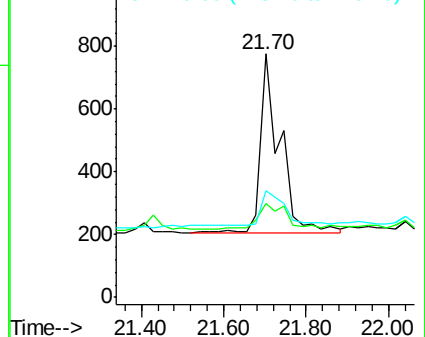
228 100

226 38.4 36.3 54.5

229 43.6 10.6 16.0#



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.28 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

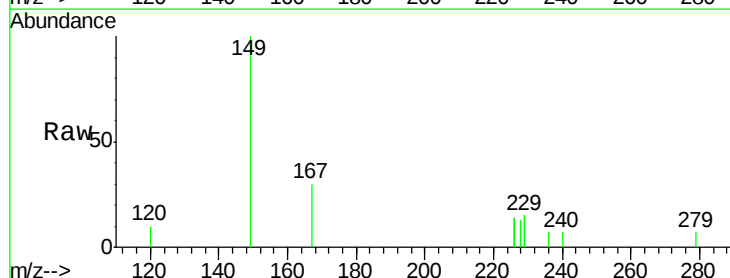
Tgt Ion: 149 Resp: 932

Ion Ratio Lower Upper

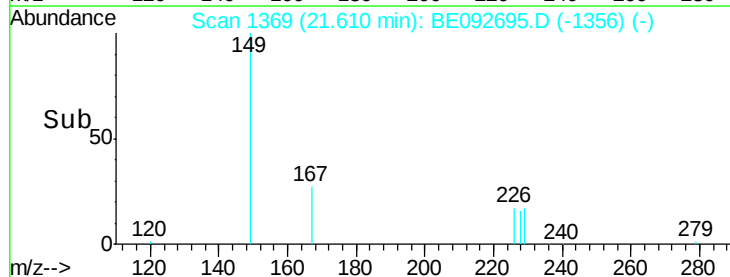
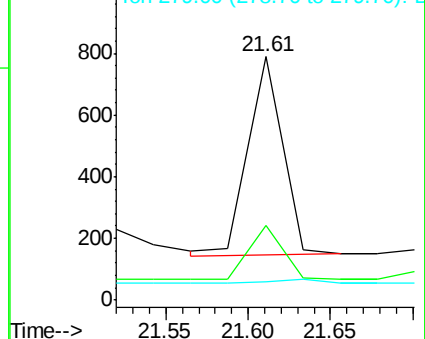
149 100

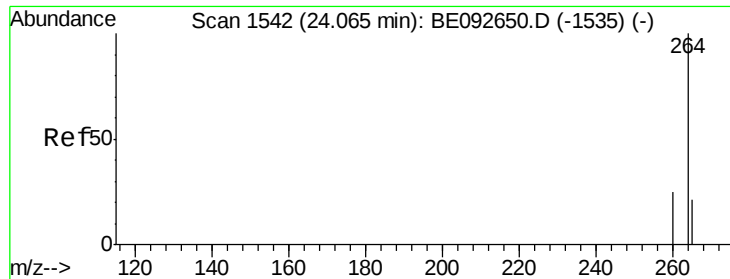
167 26.8 16.0 24.0#

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

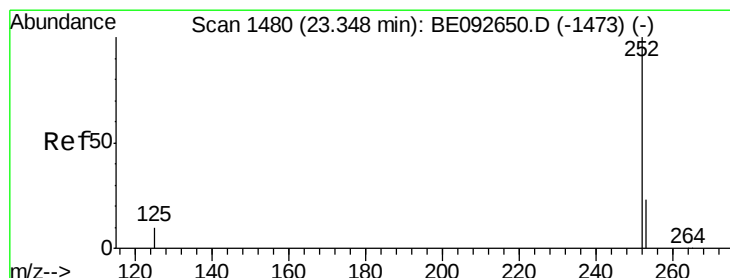
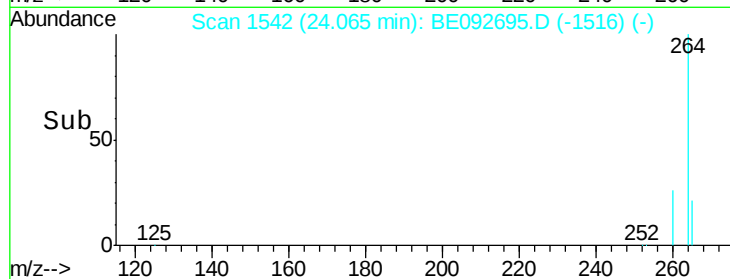
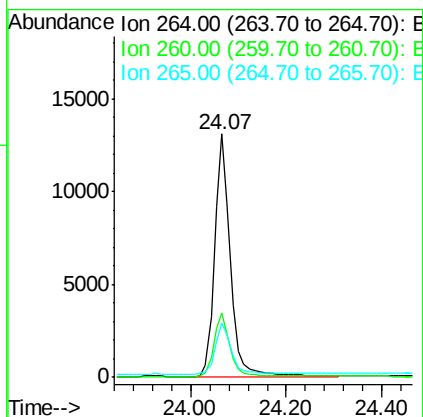
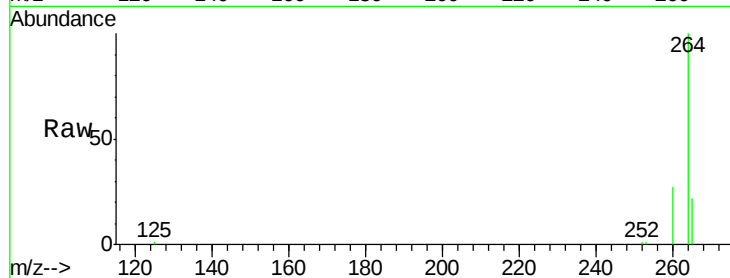




#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.07 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: BE092695.D
 Acq: 31 Jan 2017 20:14

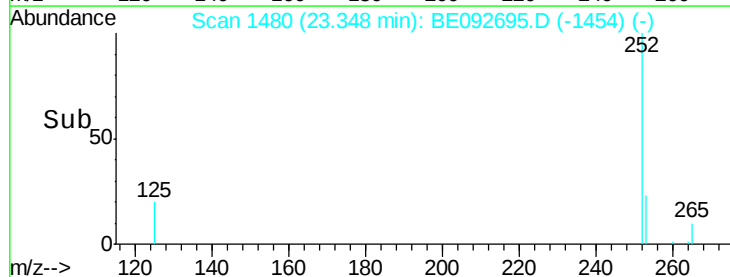
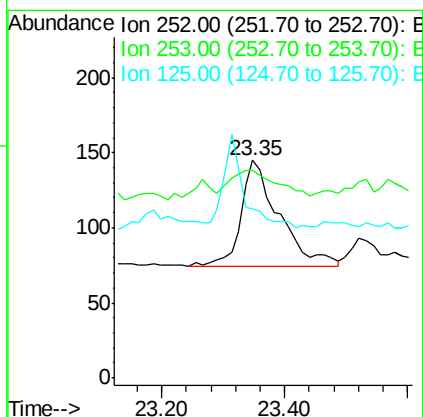
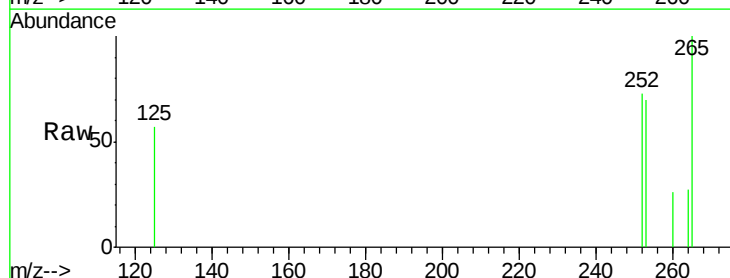
Instrument :
 BNA_E
 ClientSampleId :
 SB-01

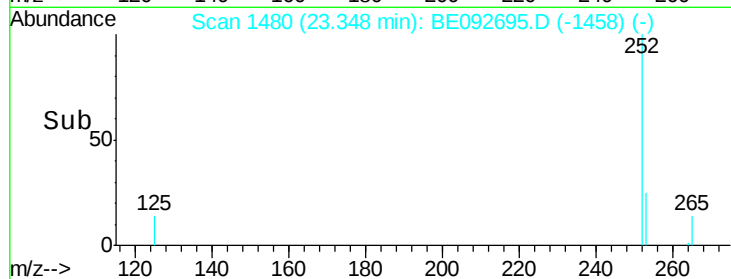
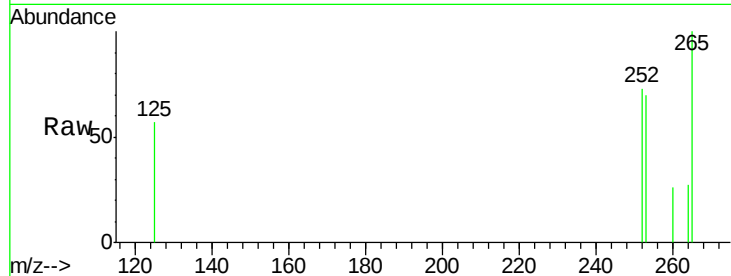
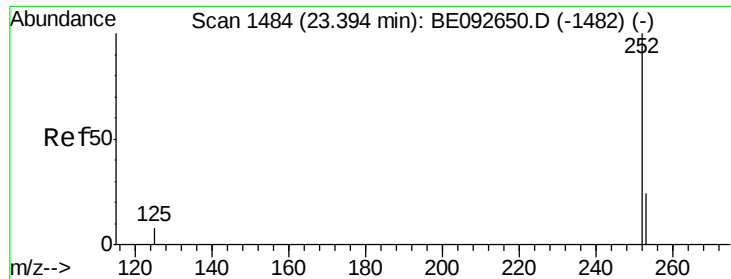
Tgt Ion: 264 Resp: 30063
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.1 30.1
 265 22.3 17.9 26.9



#32
Benzo(b)fluoranthene
 Concen: 0.04 ng
 RT: 23.35 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BE092695.D
 Acq: 31 Jan 2017 20:14

Tgt Ion: 252 Resp: 308
 Ion Ratio Lower Upper
 252 100
 253 95.2 18.7 28.1#
 125 77.9 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 23.35 min Scan# 1480

Delta R.T. -0.05 min

Lab File: BE092695.D

Acq: 31 Jan 2017 20:14

Instrument :

BNA_E

ClientSampleId :

SB-01

Tgt Ion: 252 Resp: 308

Ion Ratio Lower Upper

252 100

253 95.2 20.3 30.5#

125 77.9 9.6 14.4#

