

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050517\
 Data File : BE092954.D
 Acq On : 6 May 2017 6:22
 Operator : SJ/MA
 Sample : I2893-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 08 04:29:17 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE050517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 14:05:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	774	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3379	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1676	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4397	0.40	ng	0.00
26) Chrysene-d12	21.28	240	5046	0.40	ng	0.00
33) Perylene-d12	23.70	264	4000	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	439	0.25	ng	0.00
5) Phenol-d6	6.94	99	383	0.16	ng	0.00
8) Nitrobenzene-d5	8.90	82	1121	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	2077	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	231	0.88	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	3254	0.42	ng	0.00
24) Fluoranthene-d10	19.15	212	5091	0.50	ng	0.00
28) Terphenyl-d14	19.73	244	3439	0.39	ng	0.00

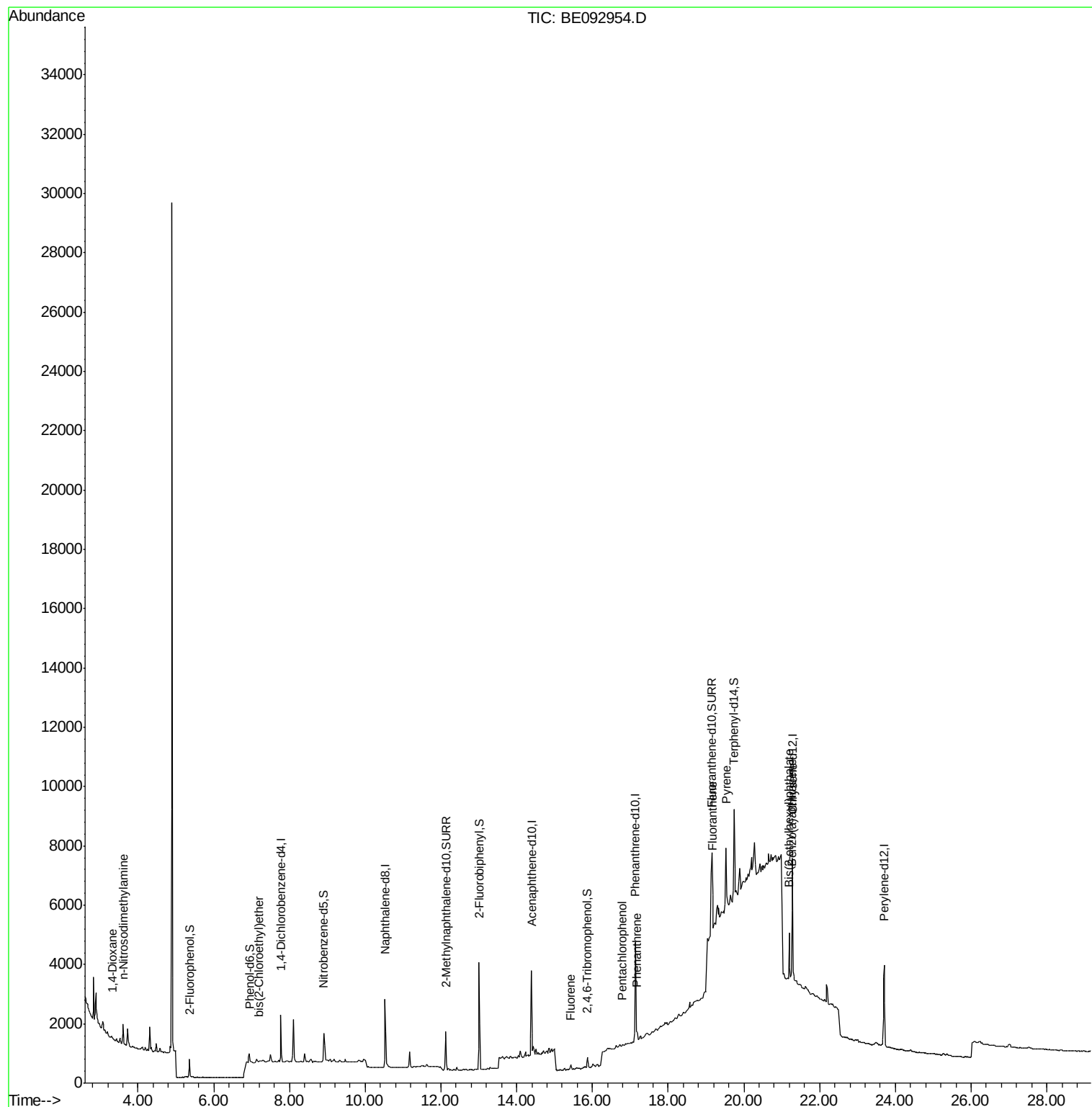
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	37	0.02	ng	# 1
3) n-Nitrosodimethylamine	3.61	42	59	0.05	ng	# 1
6) bis(2-Chloroethyl)ether	7.20	93	124	0.04	ng	# 34
18) Fluorene	15.43	166	178	0.03	ng	# 56
21) Pentachlorophenol	16.79	266	29	0.21	ng	# 98
22) Phenanthrene	17.18	178	419	0.03	ng	# 67
25) Fluoranthene	19.17	202	2115	0.04	ng	# 58
27) Pyrene	19.53	202	3256	0.05	ng	# 67
29) Benzo(a)anthracene	21.27	228	251	0.02	ng	# 1
31) Bis(2-ethylhexyl)phthalate	21.20	149	1809	0.56	ng	# 94

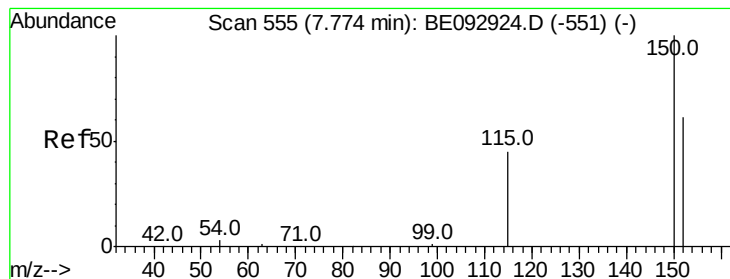
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

Instrument :

BNA_E

ClientSampleId :

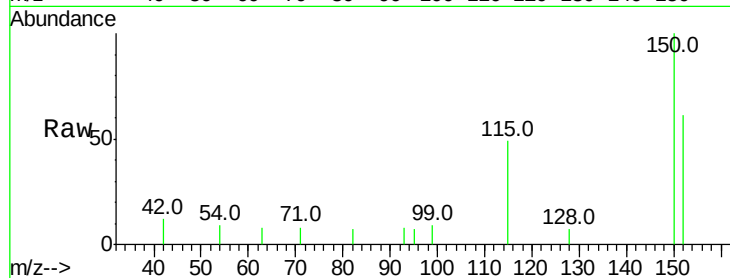
Tot Ion:152 Resp: 774

Ion Ratio Lower Upper

152 100

150 163.0 129.9 194.9

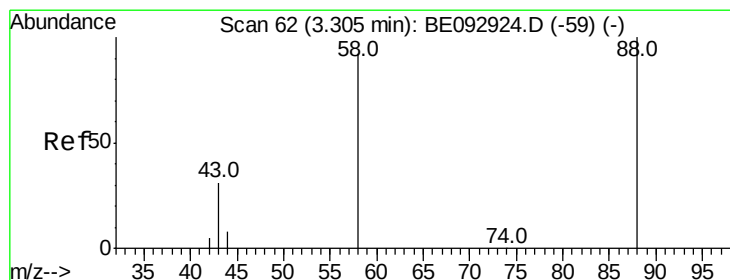
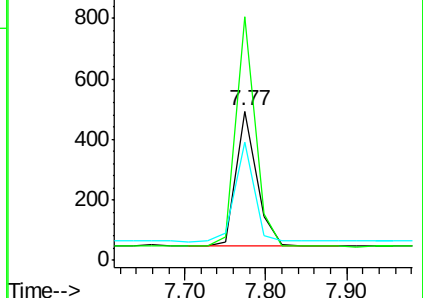
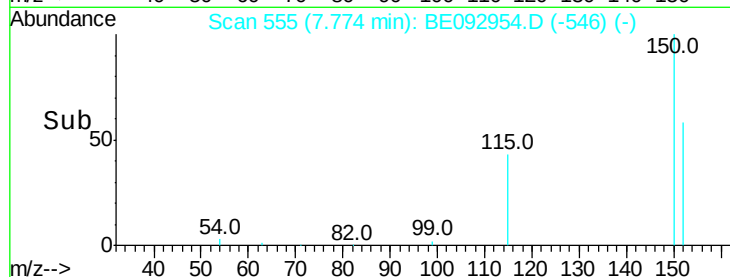
115 79.1 62.6 93.8



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: 0.02 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

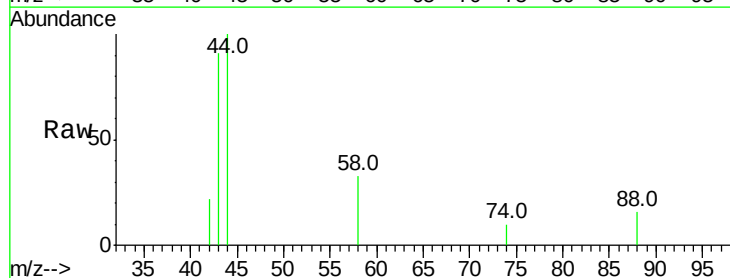
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

58 78.4 64.9 97.3

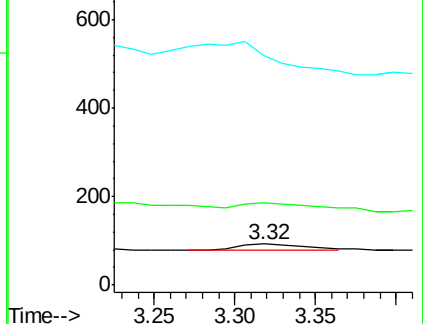
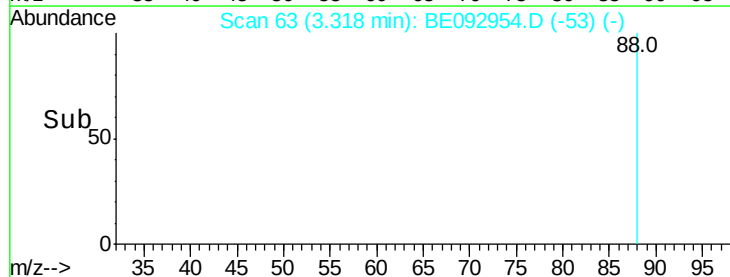
43 645.9 26.6 40.0#

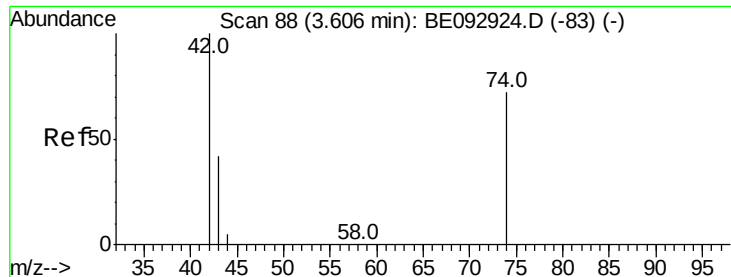


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

Instrument :

BNA_E

ClientSampleId :

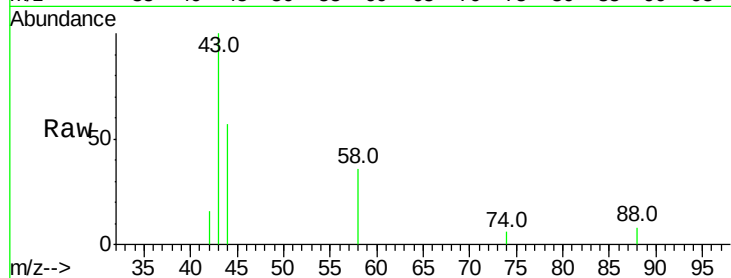
Tot Ion: 42 Resp: 59

Ion Ratio Lower Upper

42 100

74 0.0 106.6 160.0#

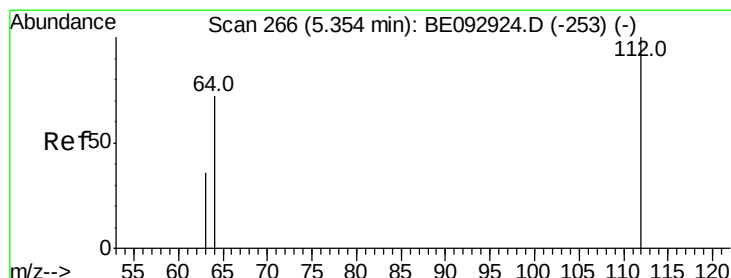
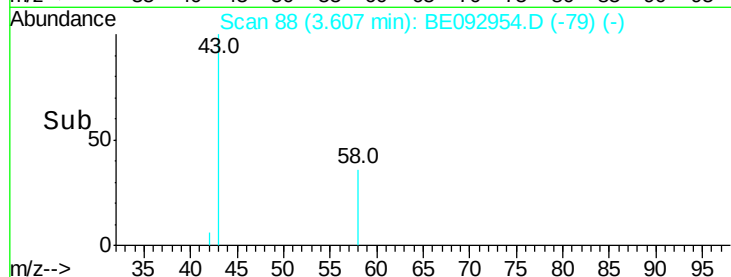
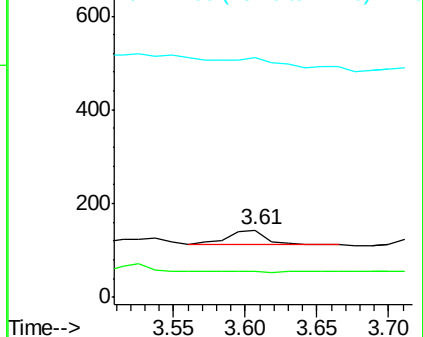
44 0.0 25.7 38.5#



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: 0.25 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.01 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

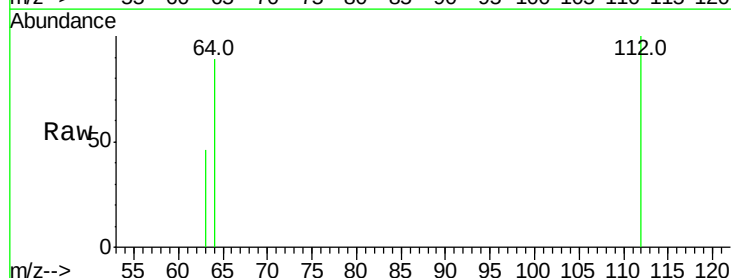
Tgt Ion: 112 Resp: 439

Ion Ratio Lower Upper

112 100

64 69.7 52.6 79.0

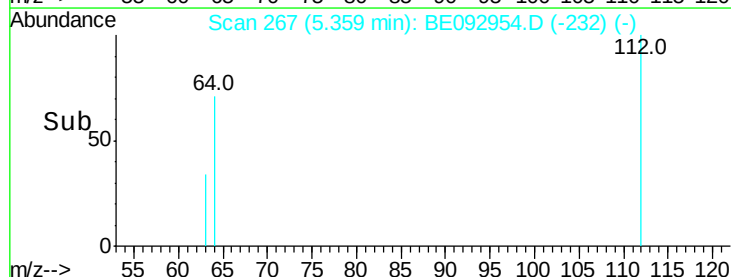
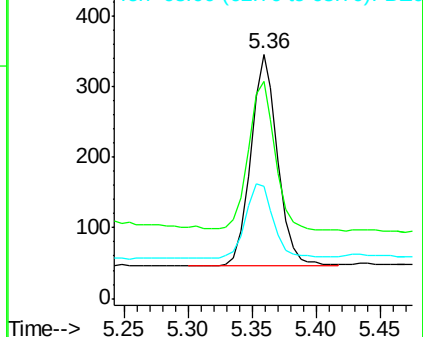
63 36.2 29.0 43.4

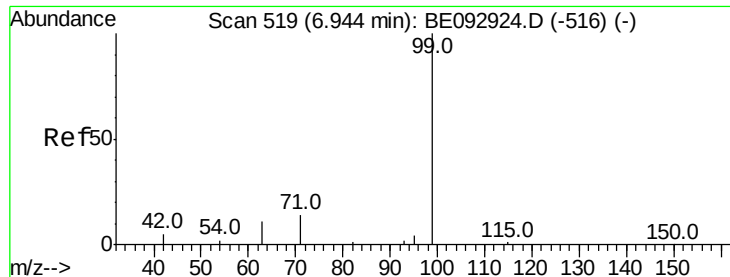


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.16 ng

RT: 6.94 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

Instrument :

BNA_E

ClientSampleId :

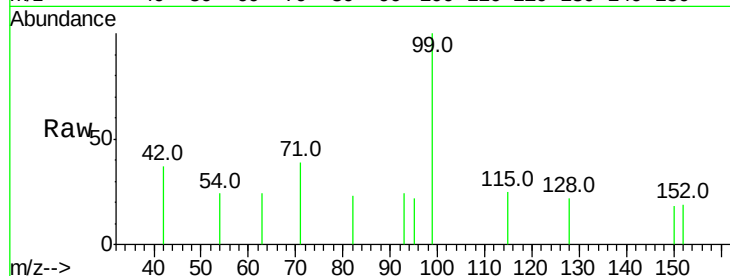
Tot Ion: 99 Resp: 383

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

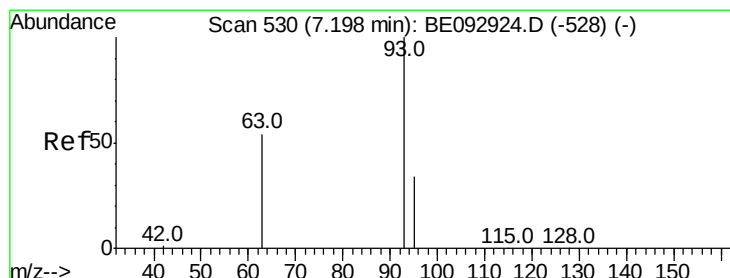
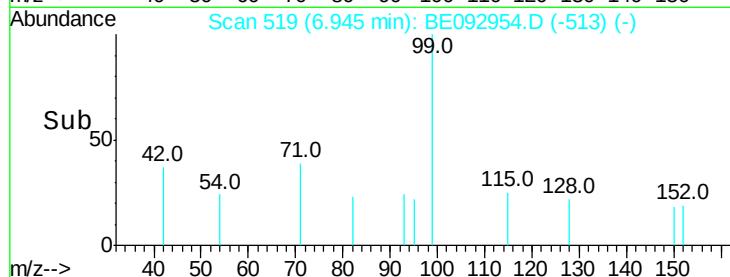
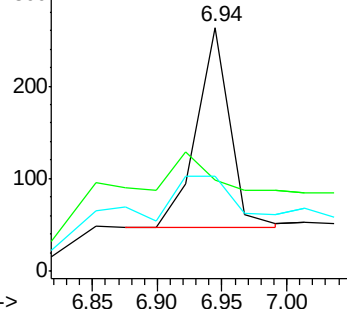
71 0.0 0.0 0.0



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

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.20 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

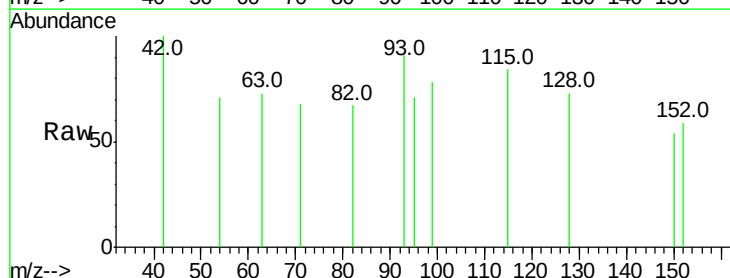
Tgt Ion: 93 Resp: 124

Ion Ratio Lower Upper

93 100

63 16.9 61.2 91.8#

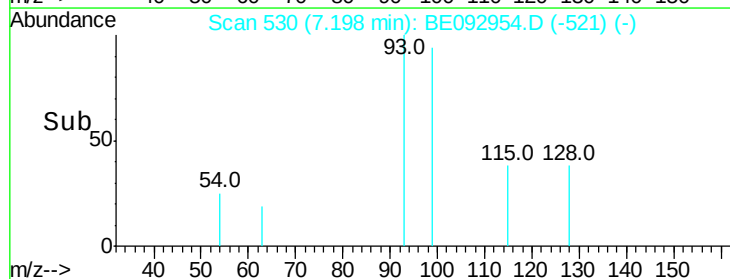
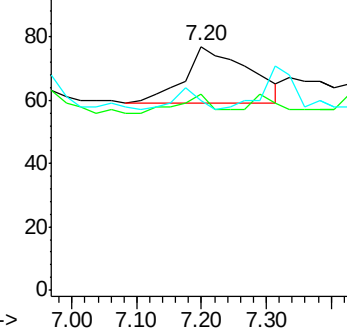
95 0.0 25.5 38.3#

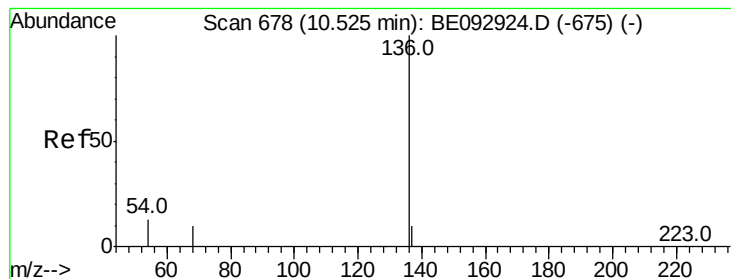


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 3379

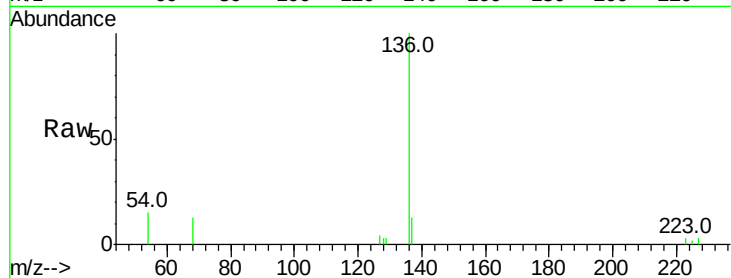
Ion Ratio Lower Upper

136 100

137 12.7 10.4 15.6

54 14.9 12.6 18.8

68 13.2 10.7 16.1

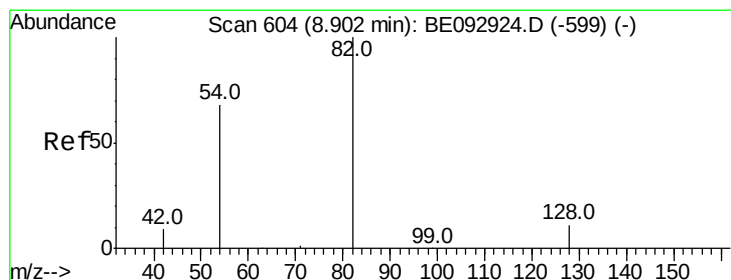
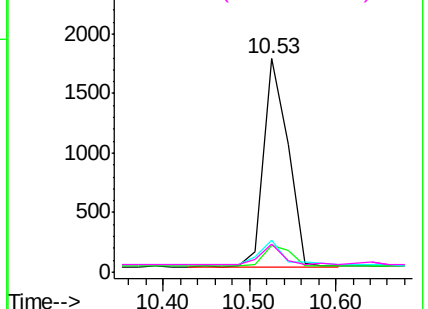
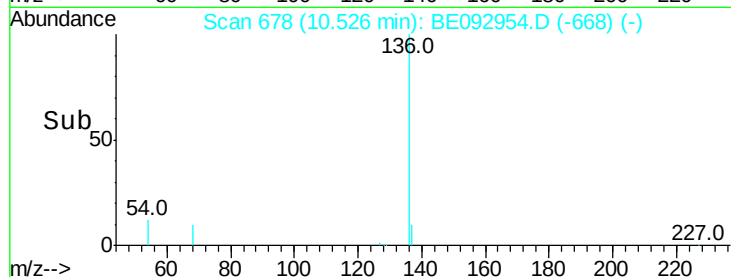


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.49 ng

RT: 8.90 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

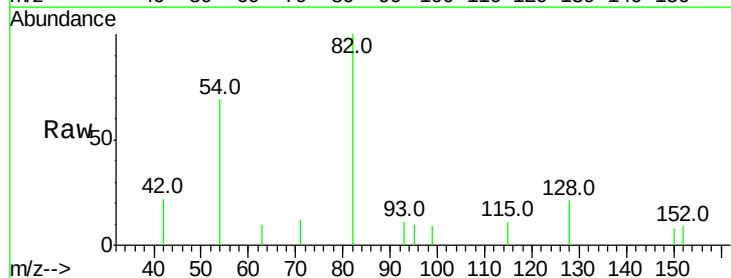
Tgt Ion: 82 Resp: 1121

Ion Ratio Lower Upper

82 100

128 20.6 35.3 52.9#

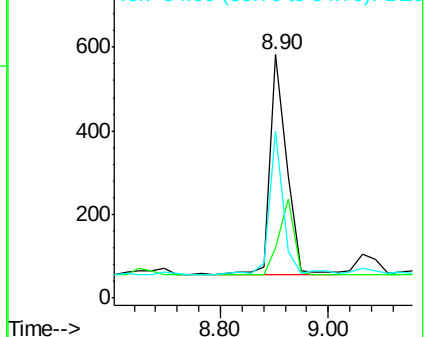
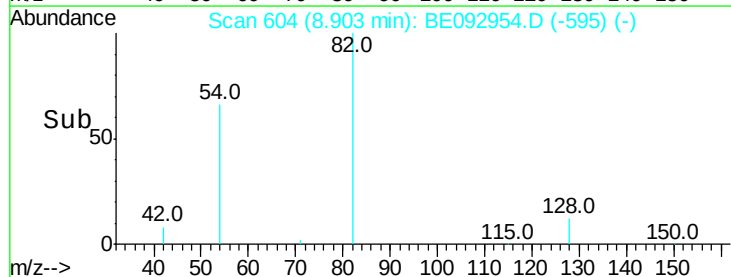
54 68.7 65.1 97.7

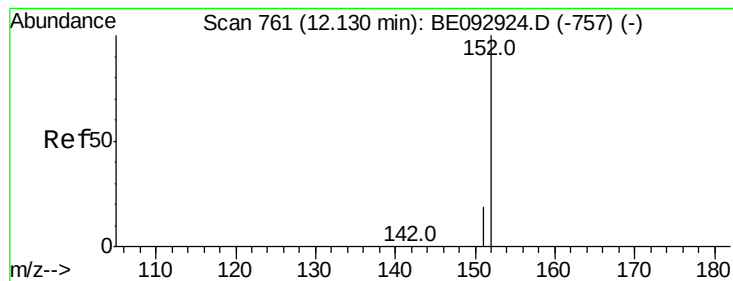


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

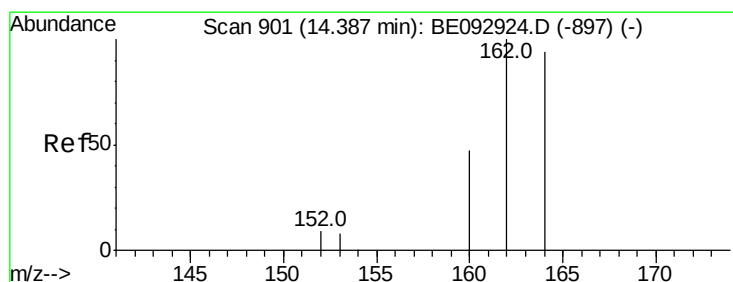
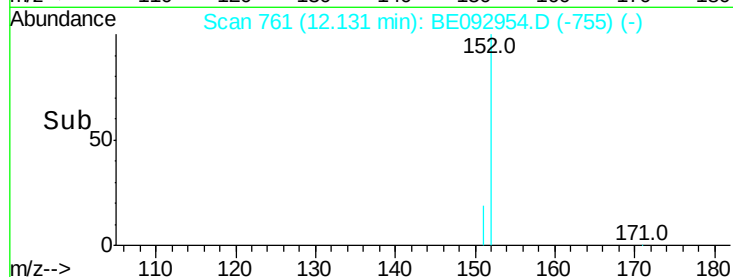
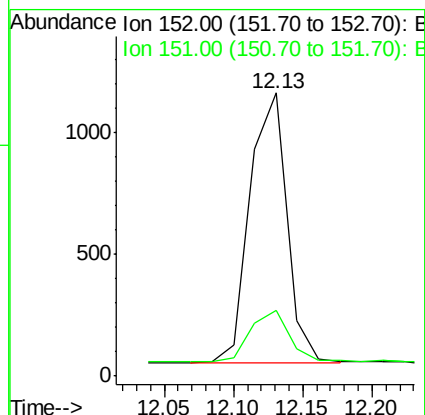
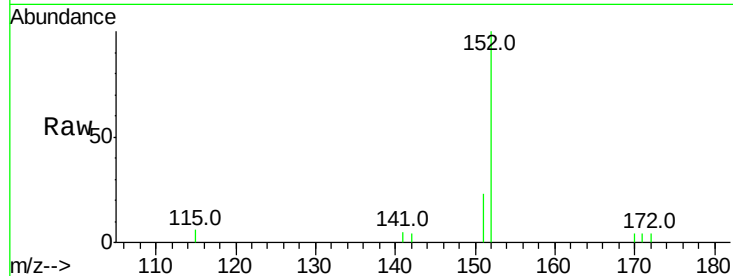




#11
 2-Methylnaphthalene-d10
 Concen: 0.41 ng
 RT: 12.13 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BE092954.D
 Acq: 6 May 2017 6:22

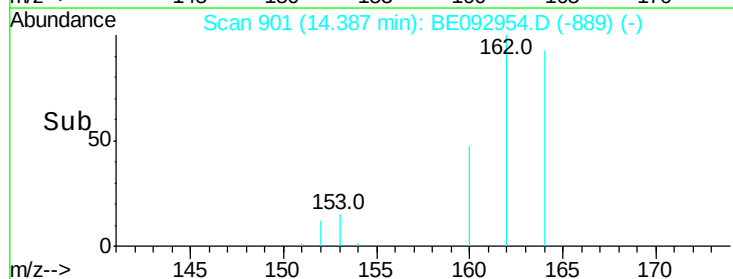
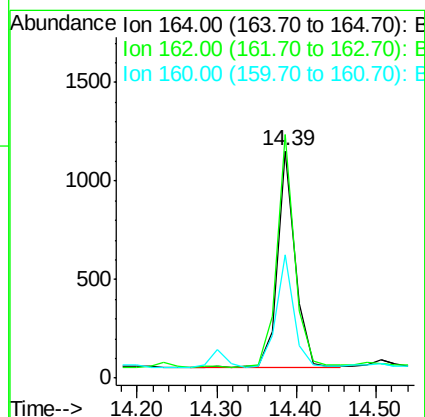
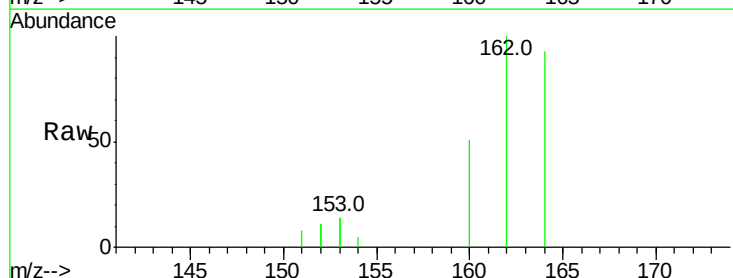
Instrument :
 BNA_E
 ClientSampleId :

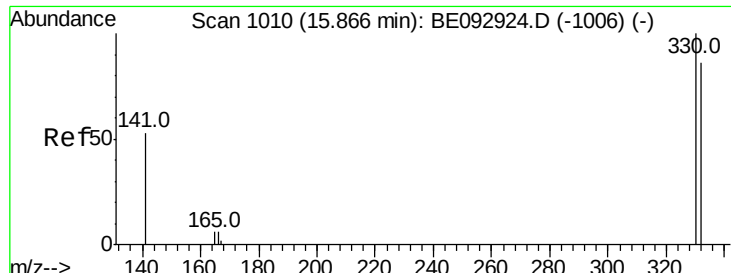
Tot Ion:152 Resp: 2077
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.7 23.5



#13
 Acenaphthene-d10
 Concen: 0.40 ng
 RT: 14.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BE092954.D
 Acq: 6 May 2017 6:22

Tgt Ion:164 Resp: 1676
 Ion Ratio Lower Upper
 164 100
 162 107.2 86.6 130.0
 160 54.4 44.5 66.7

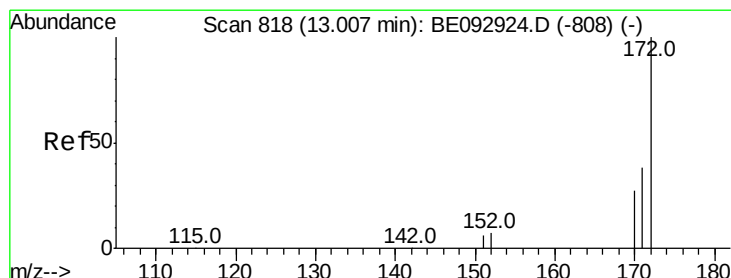
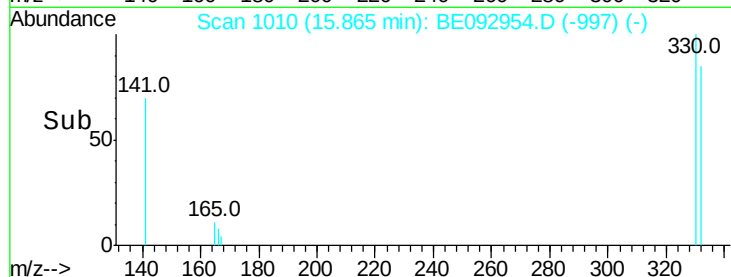
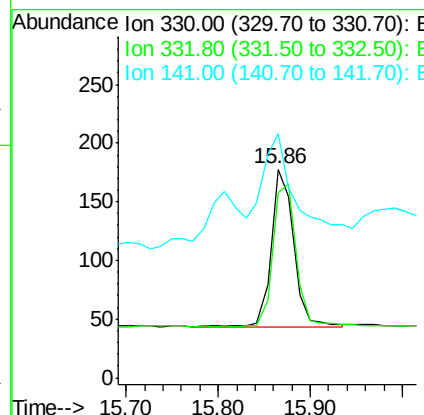
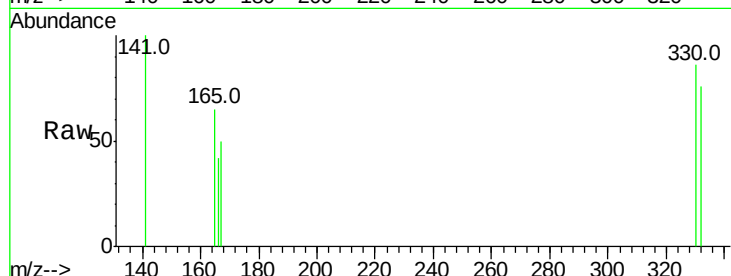




#14
 2,4,6-Tribromophenol
 Concen: 0.88 ng
 RT: 15.86 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BE092954.D
 Acq: 6 May 2017 6:22

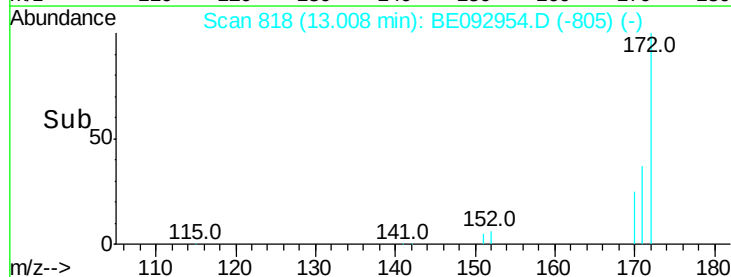
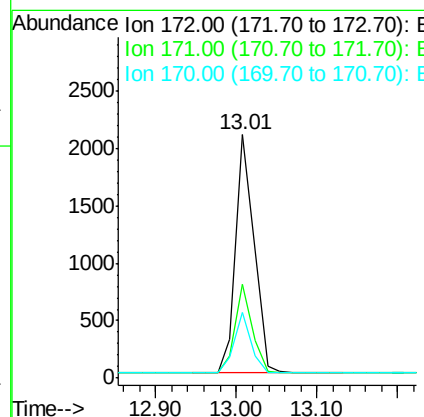
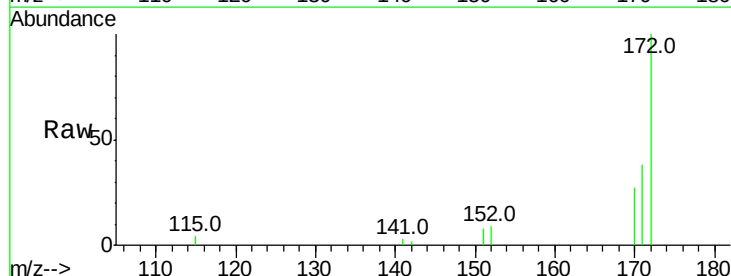
Instrument :
 BNA_E
 ClientSampleId :

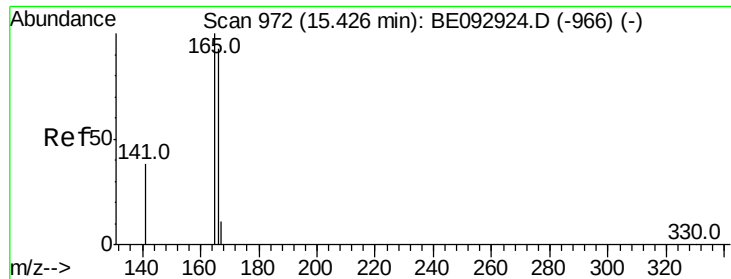
Tot Ion:330 Resp: 231
 Ion Ratio Lower Upper
 330 100
 332 94.8 69.1 103.7
 141 84.4 54.6 81.8#



#15
 2-Fluorobiphenyl
 Concen: 0.42 ng
 RT: 13.01 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BE092954.D
 Acq: 6 May 2017 6:22

Tgt Ion:172 Resp: 3254
 Ion Ratio Lower Upper
 172 100
 171 38.3 35.8 53.6
 170 27.0 28.5 42.7#





#18

Fluorene

Concen: 0.03 ng

RT: 15.43 min Scan# 972

Delta R.T. -0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

Instrument :

BNA_E

ClientSampled :

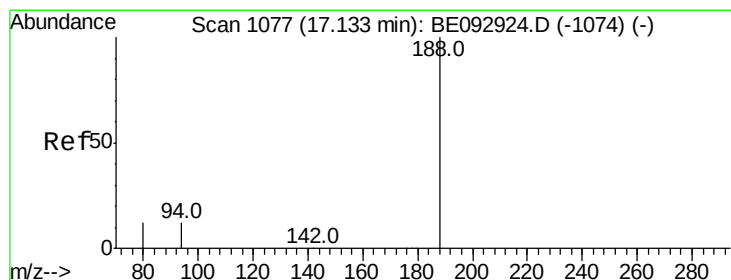
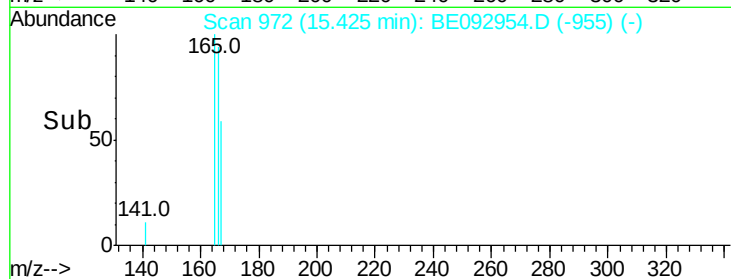
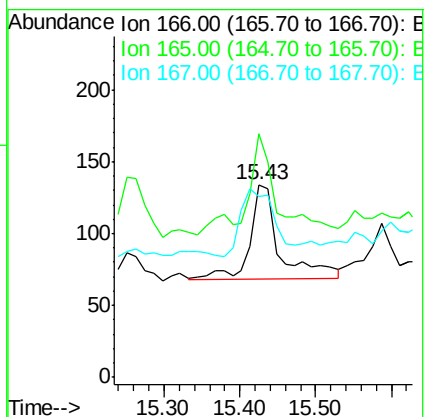
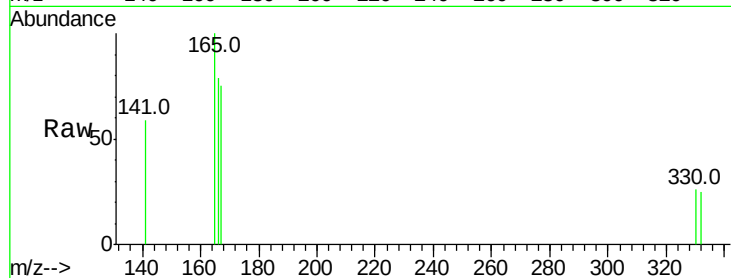
Tot Ion:166 Resp: 178

Ion Ratio Lower Upper

166 100

165 73.6 80.7 121.1#

167 80.9 11.3 16.9#



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

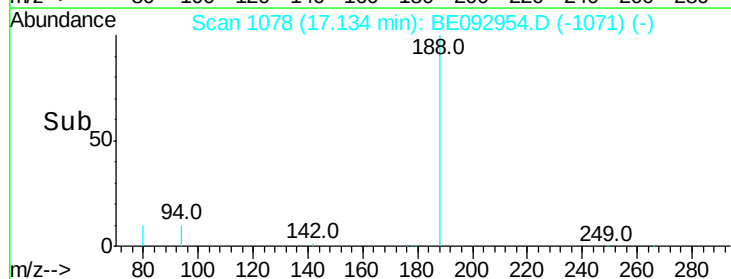
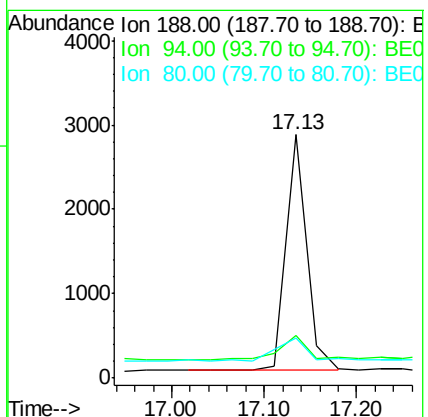
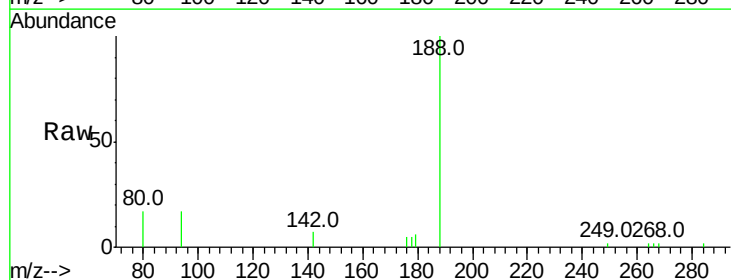
Tgt Ion:188 Resp: 4397

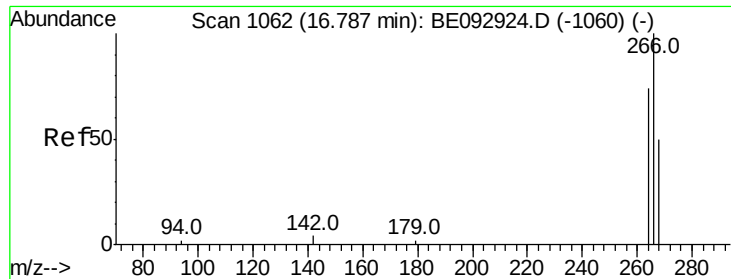
Ion Ratio Lower Upper

188 100

94 17.5 10.2 15.4#

80 16.7 10.6 15.8#

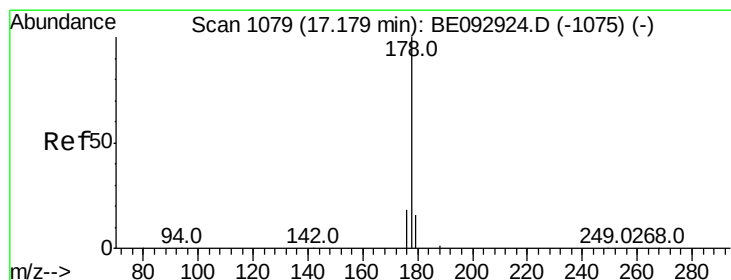
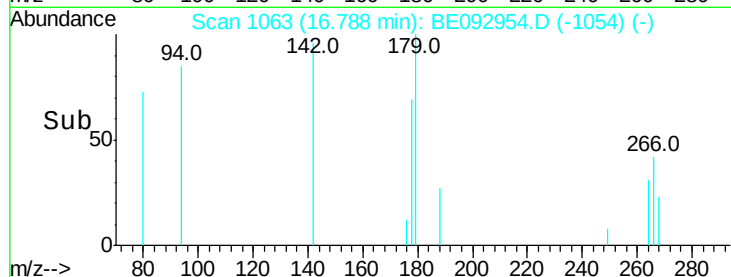
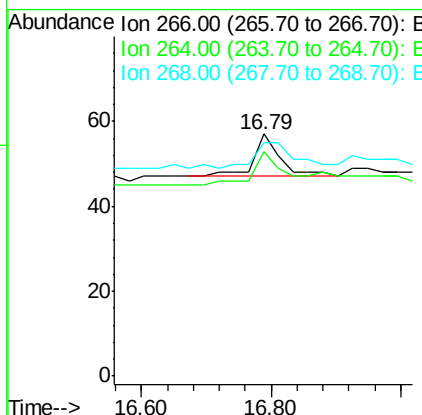
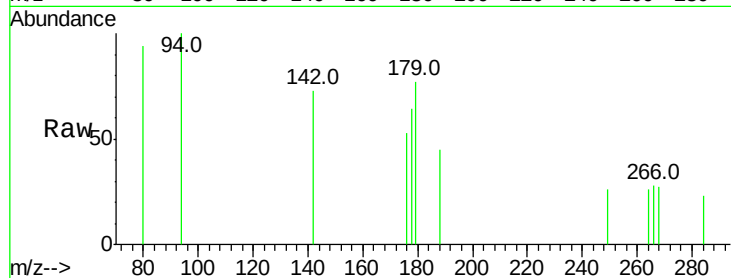




#21
 Pentachlorophenol
 Concen: 0.21 ng
 RT: 16.79 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BE092954.D
 Acq: 6 May 2017 6:22

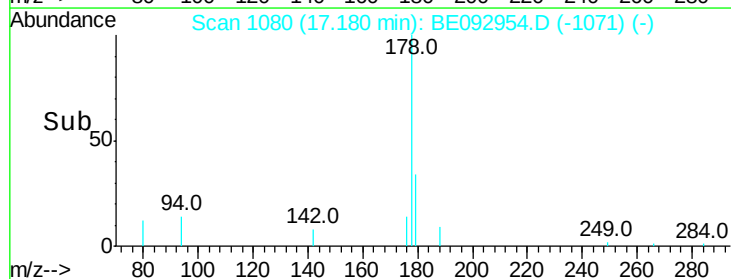
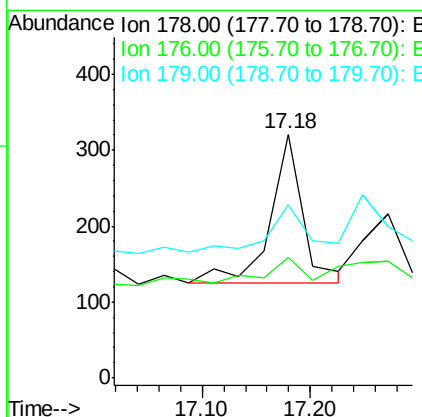
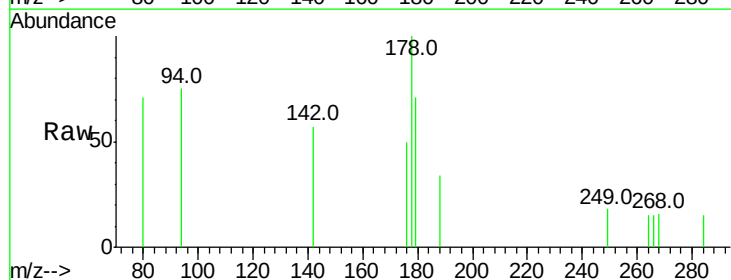
Instrument :
 BNA_E
 ClientSampleId :

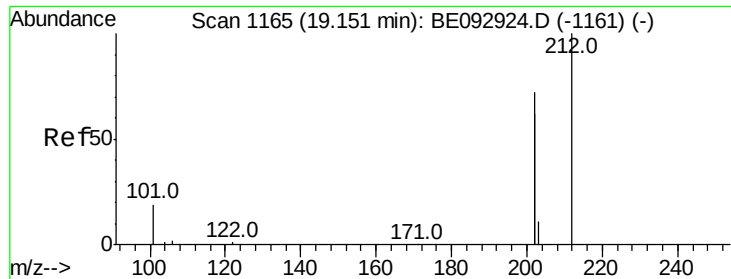
Tot Ion:266 Resp: 29
 Ion Ratio Lower Upper
 266 100
 264 93.0 75.4 113.2
 268 96.5 75.4 113.2



#22
 Phenanthrene
 Concen: 0.03 ng
 RT: 17.18 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: BE092954.D
 Acq: 6 May 2017 6:22

Tgt Ion:178 Resp: 419
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.2 21.4
 179 44.9 13.6 20.4#





#24

Fluoranthene-d10

Concen: 0.50 ng

RT: 19.15 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

Instrument :

BNA_E

ClientSampleId :

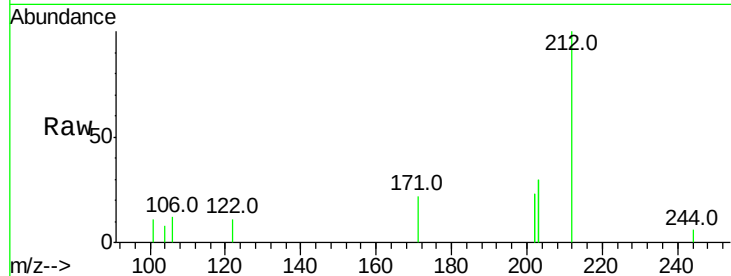
Tot Ion:212 Resp: 5091

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

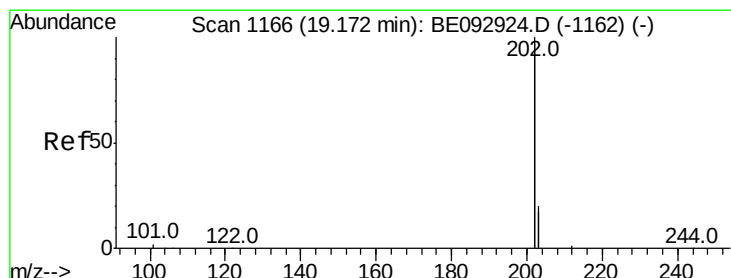
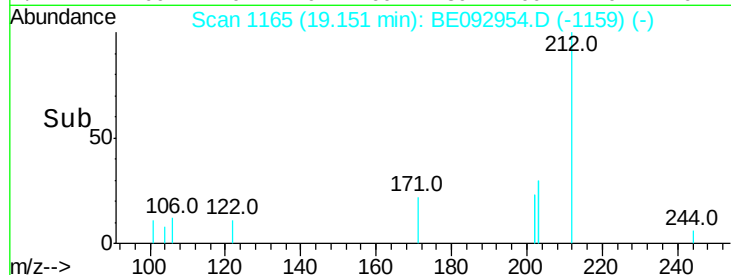
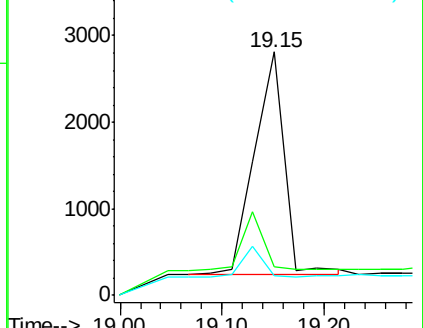
104 0.0 0.0 0.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#25

Fluoranthene

Concen: 0.04 ng

RT: 19.17 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

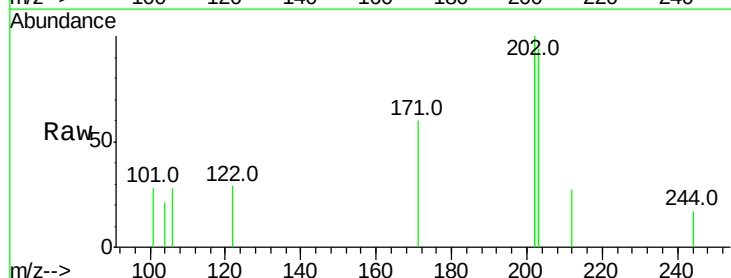
Tgt Ion:202 Resp: 2115

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

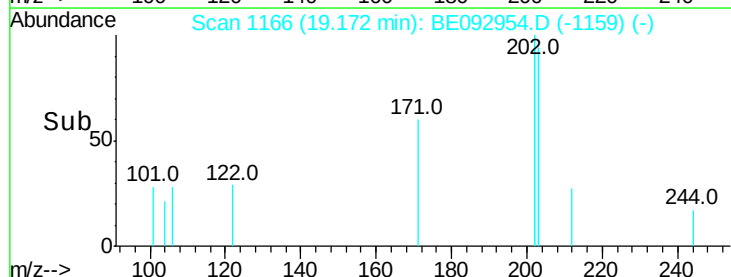
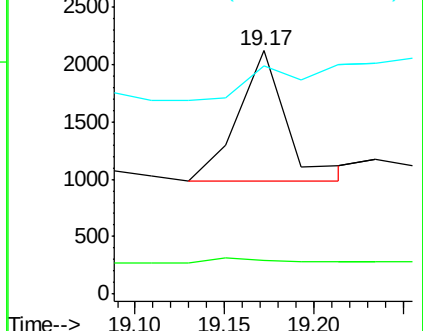
203 0.0 15.3 22.9#

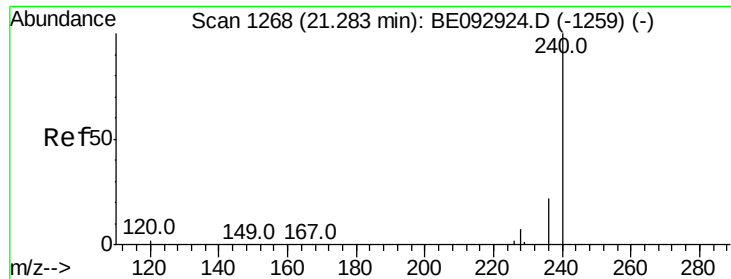


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

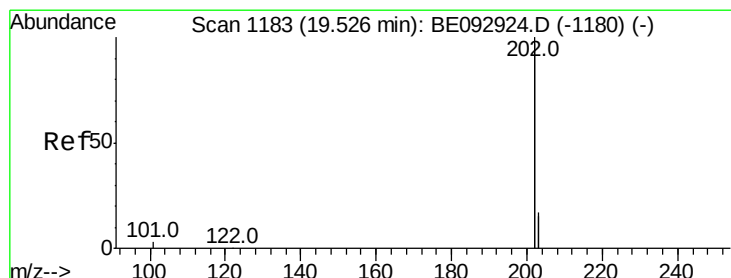
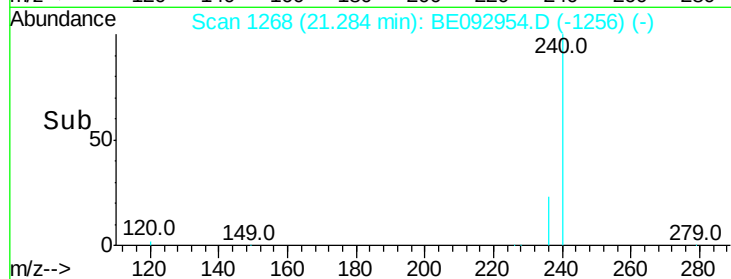
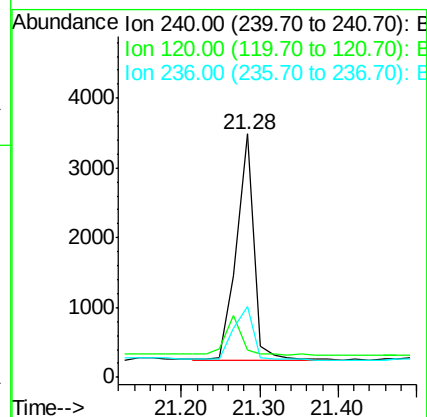
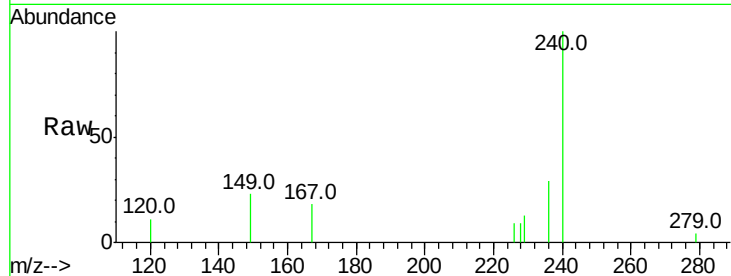




#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BE092954.D
Acq: 6 May 2017 6:22

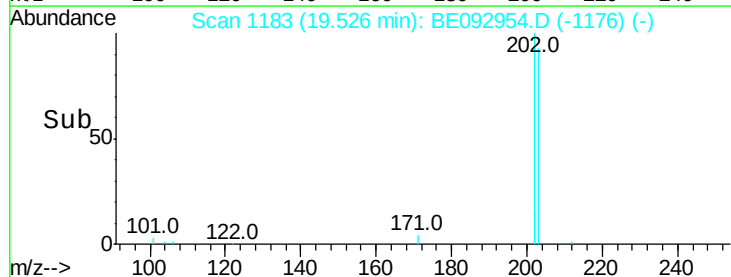
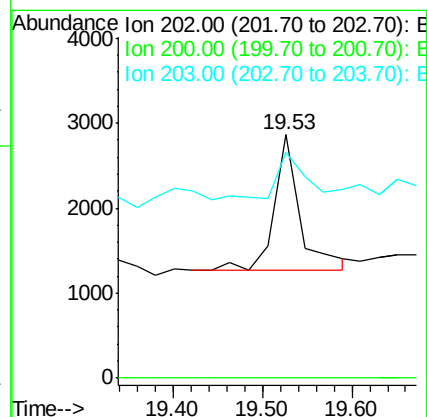
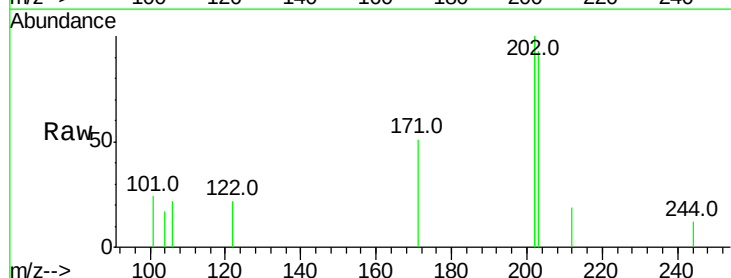
Instrument :
BNA_E
ClientSampleId :

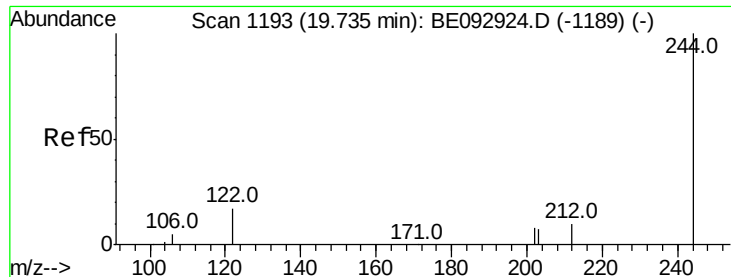
Tot Ion:240 Resp: 5046
Ion Ratio Lower Upper
240 100
120 11.2 4.6 6.8#
236 29.0 19.8 29.8



#27
Pyrene
Concen: 0.05 ng
RT: 19.53 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE092954.D
Acq: 6 May 2017 6:22

Tgt Ion:202 Resp: 3256
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 31.3 13.5 20.3#





#28

Terphenyl-d14

Concen: 0.39 ng

RT: 19.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

Instrument :

BNA_E

ClientSampled :

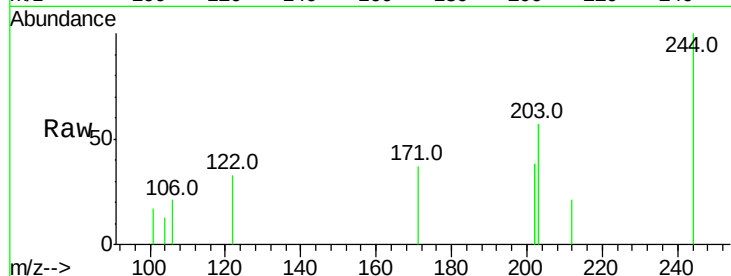
Tot Ion:244 Resp: 3439

Ion Ratio Lower Upper

244 100

212 20.9 18.4 27.6

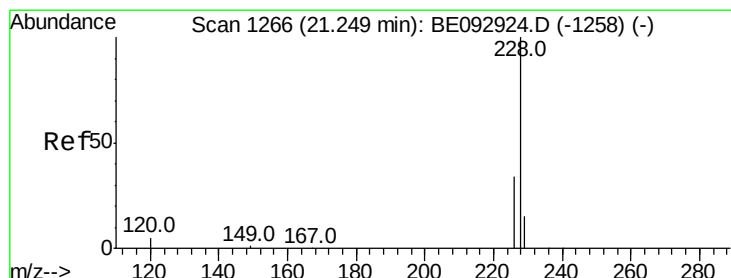
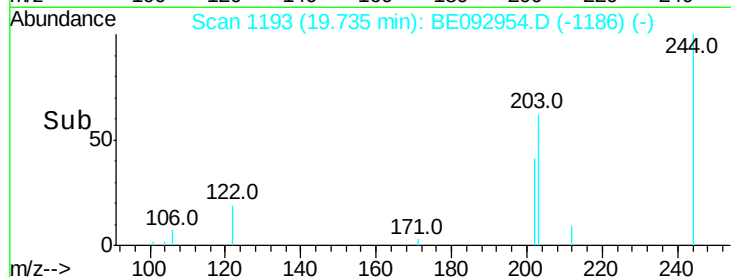
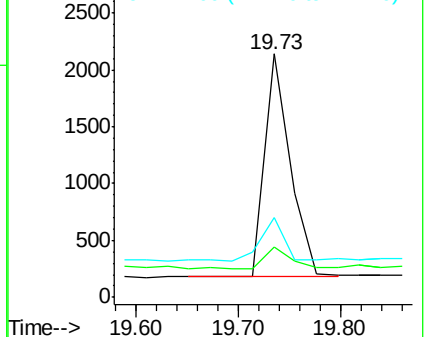
122 32.6 23.3 34.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#29

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.27 min Scan# 1267

Delta R.T. 0.02 min

Lab File: BE092954.D

Acq: 6 May 2017 6:22

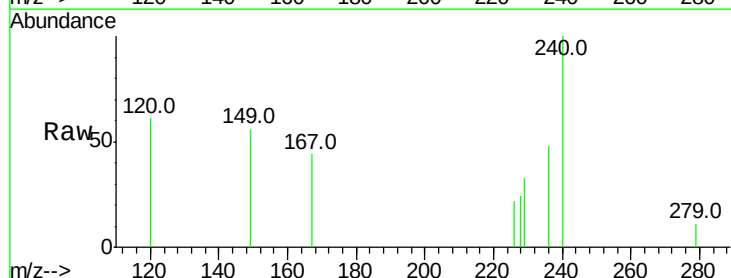
Tgt Ion:228 Resp: 251

Ion Ratio Lower Upper

228 100

226 94.2 32.0 48.0#

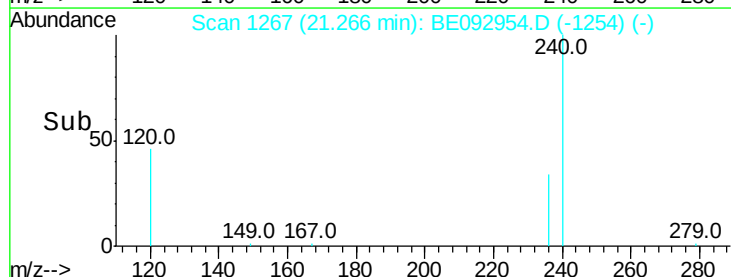
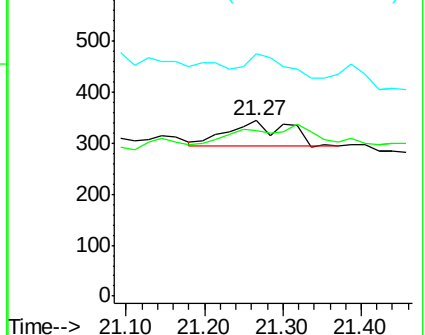
229 138.4 21.4 32.0#

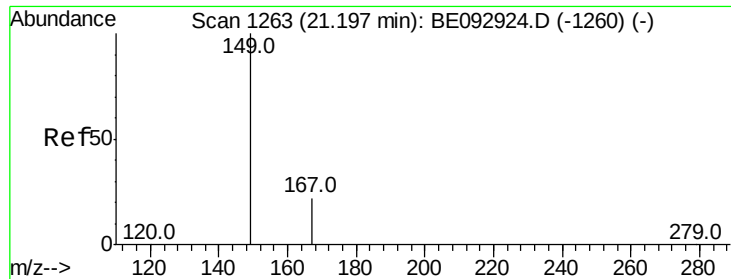


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

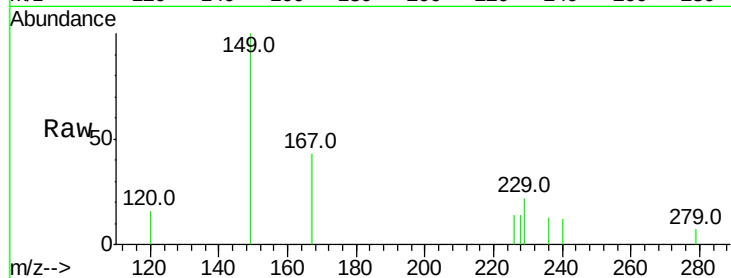




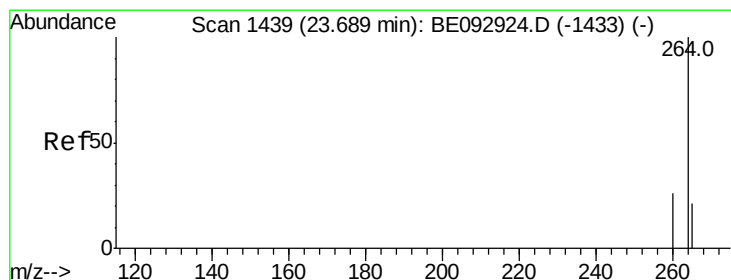
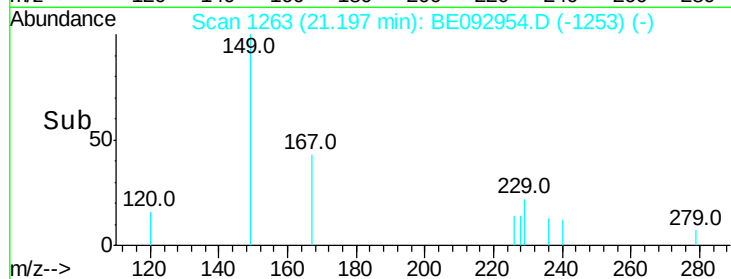
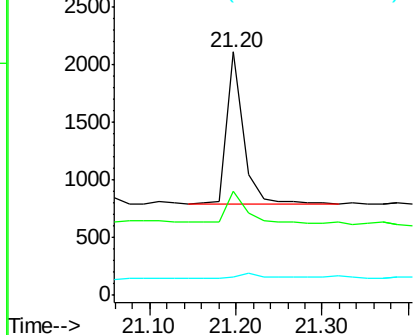
#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.56 ng
 RT: 21.20 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BE092954.D
 Acq: 6 May 2017 6:22

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 1809
 Ion Ratio Lower Upper
 149 100
 167 29.2 20.9 31.3
 279 0.0 0.0 0.0

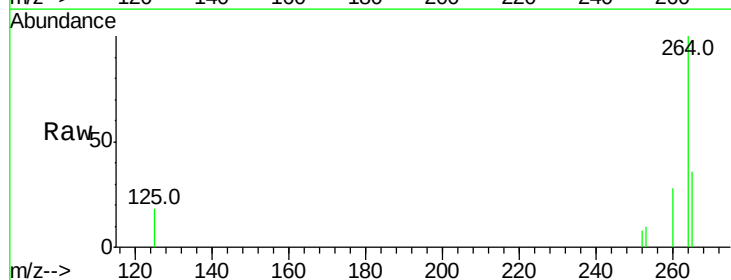


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#33
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.70 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BE092954.D
 Acq: 6 May 2017 6:22

Tgt Ion:264 Resp: 4000
 Ion Ratio Lower Upper
 264 100
 260 28.3 23.5 35.3
 265 35.9 27.2 40.8



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

