

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050517\
 Data File : BE092953.D
 Acq On : 6 May 2017 5:43
 Operator : SJ/MA
 Sample : I2893-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 08 04:29:09 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	817	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3599	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1902	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5005	0.40	ng	0.00
26) Chrysene-d12	21.28	240	5484	0.40	ng	0.00
33) Perylene-d12	23.70	264	4518	0.40	ng	0.01

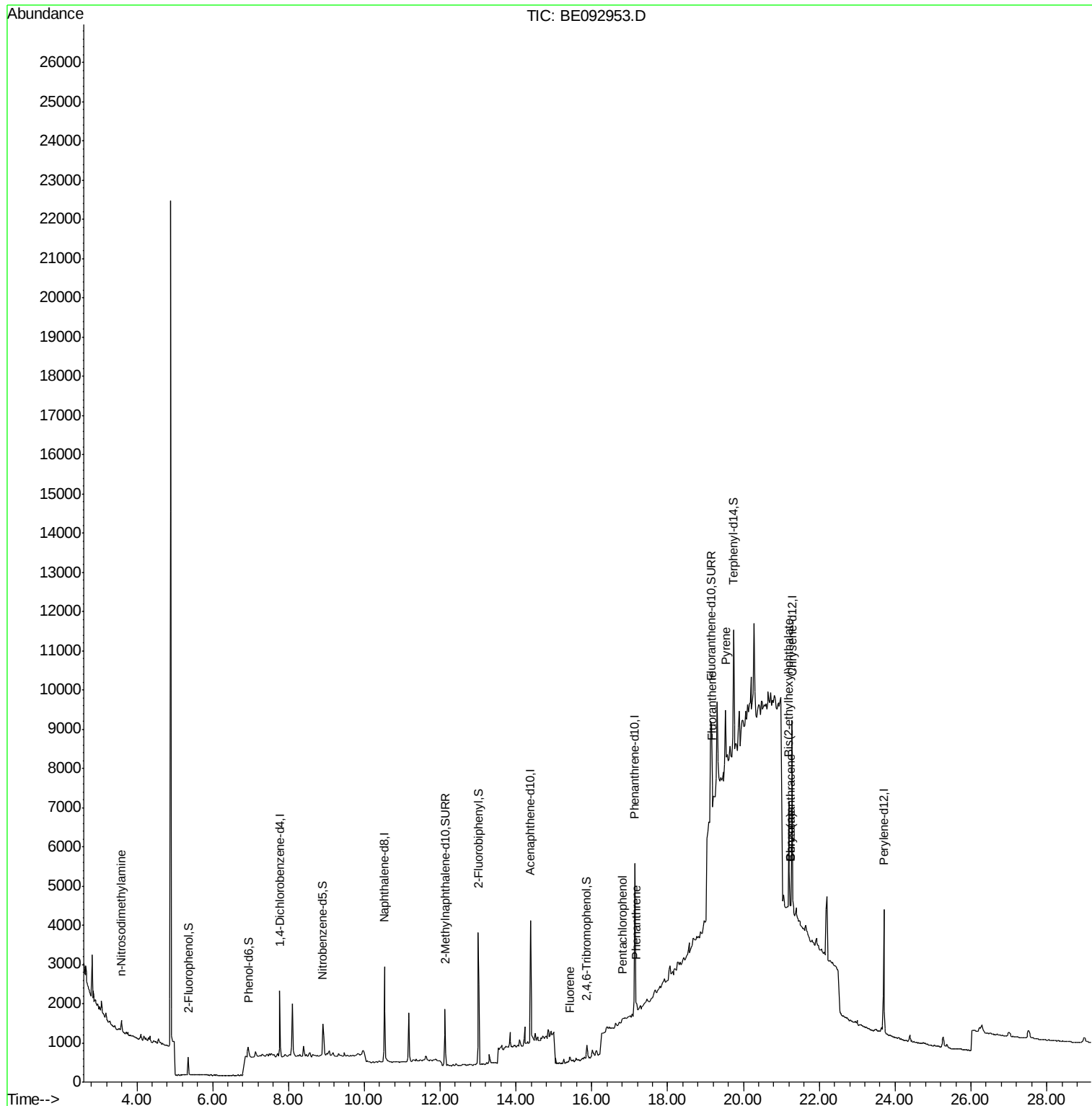
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	342	0.19	ng	0.00
5) Phenol-d6	6.94	99	292	0.11	ng	0.00
8) Nitrobenzene-d5	8.90	82	929	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	2019	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	238	0.80	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	3264	0.37	ng	0.00
24) Fluoranthene-d10	19.15	212	5275	0.45	ng	0.00
28) Terphenyl-d14	19.74	244	3667	0.38	ng	0.00

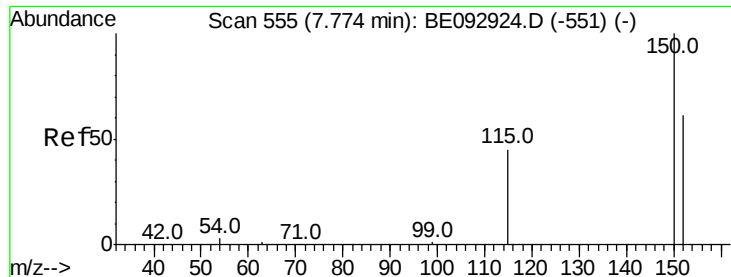
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.59	42	53	0.04	ng	# 1
18) Fluorene	15.43	166	216	0.03	ng	# 25
21) Pentachlorophenol	16.81	266	158	0.44	ng	# 89
22) Phenanthrene	17.18	178	426	0.03	ng	# 5
25) Fluoranthene	19.17	202	1317	0.02	ng	# 58
27) Pyrene	19.53	202	2909	0.04	ng	# 41
29) Benzo(a)anthracene	21.23	228	333	0.03	ng	# 1
30) Chrysene	21.23	228	333	0.02	ng	# 1
31) Bis(2-ethylhexyl)phthalate	21.20	149	3402	0.97	ng	# 89

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

```
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ALS Vial  : 19 Sample Multiplier: 1
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE050517.M
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QLast Update : Fri May 05 14:05:07 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampleId :

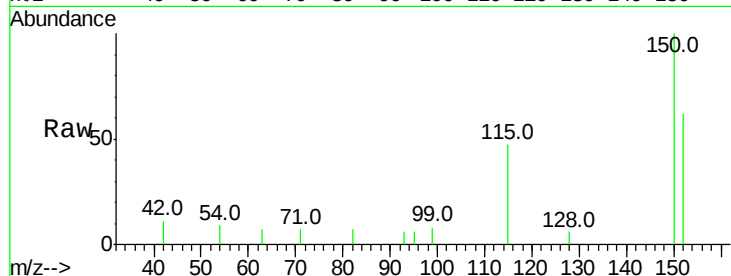
Tot Ion:152 Resp: 817

Ion Ratio Lower Upper

152 100

150 160.5 129.9 194.9

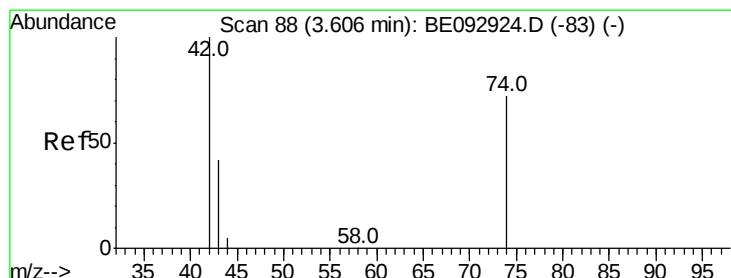
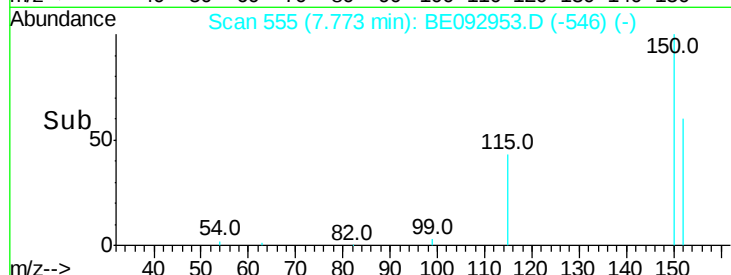
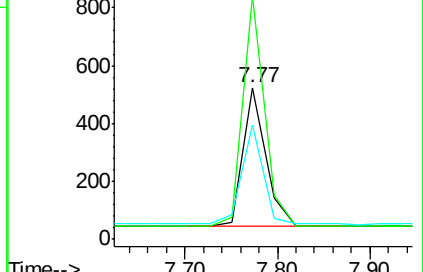
115 75.8 62.6 93.8



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



#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

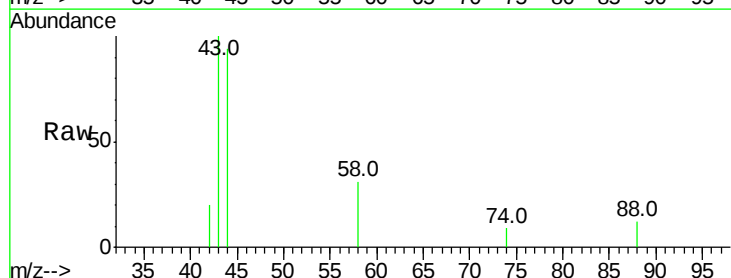
Tgt Ion: 42 Resp: 53

Ion Ratio Lower Upper

42 100

74 1.9 106.6 160.0#

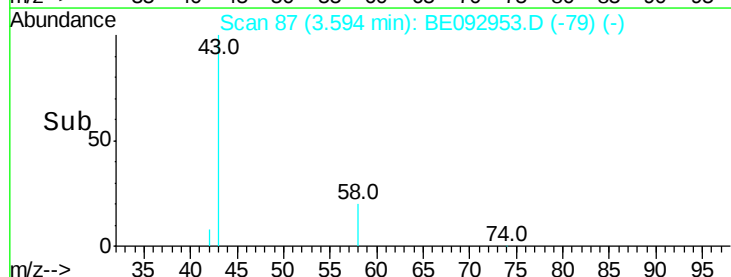
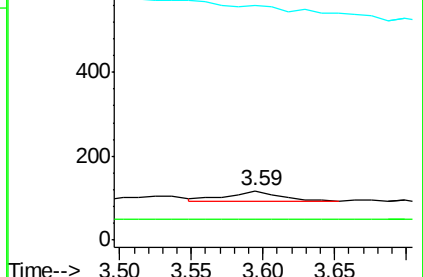
44 0.0 25.7 38.5#

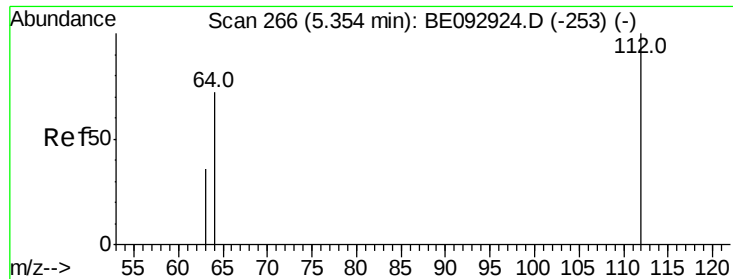


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.19 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampleId :

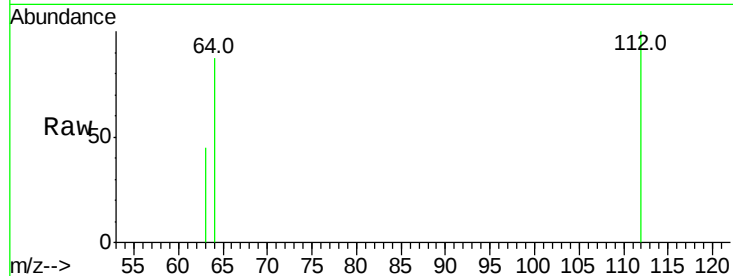
Tot Ion:112 Resp: 342

Ion Ratio Lower Upper

112 100

64 74.0 52.6 79.0

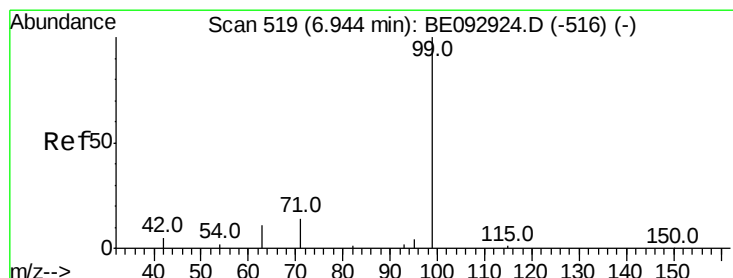
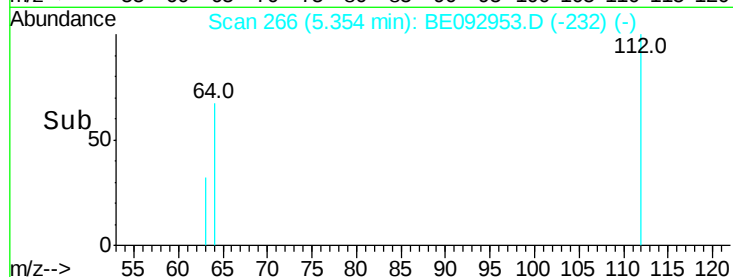
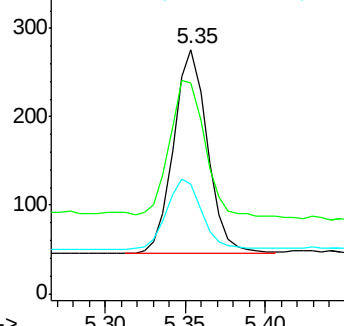
63 35.7 29.0 43.4



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.11 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

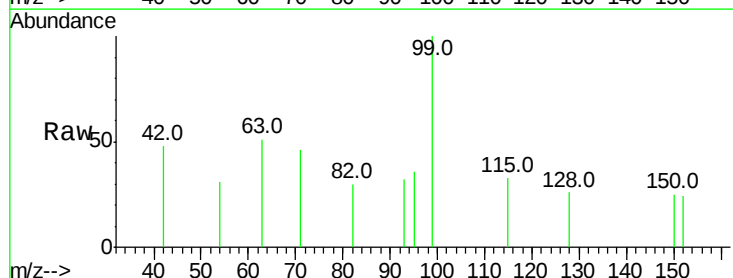
Tgt Ion: 99 Resp: 292

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

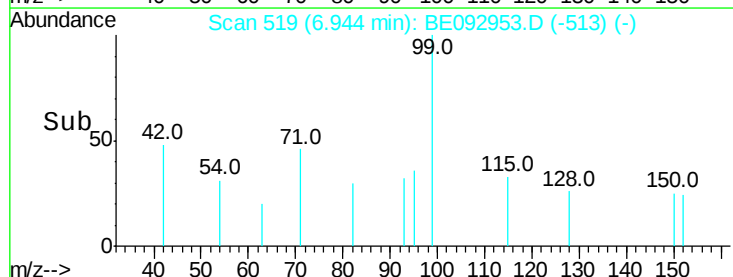
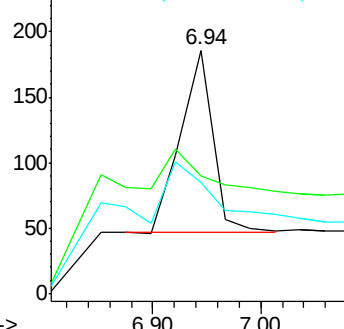
71 0.0 0.0 0.0

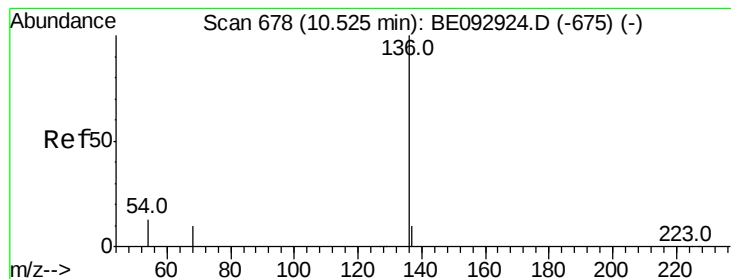


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3599

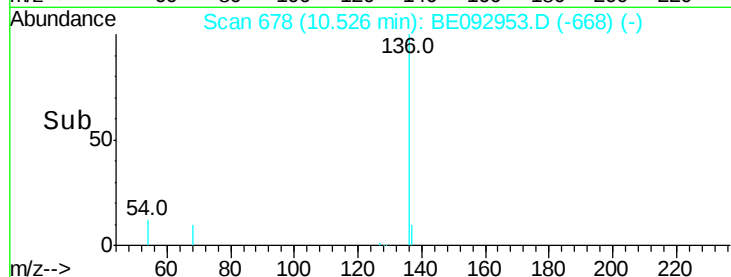
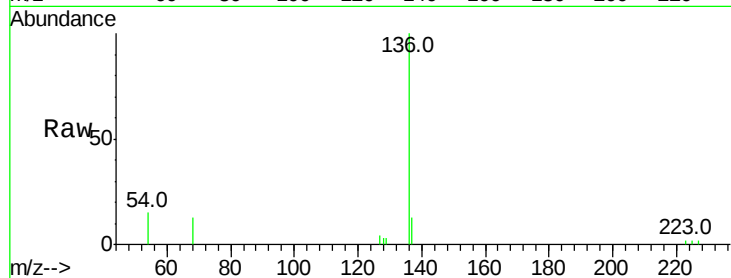
Ion Ratio Lower Upper

136 100

137 12.7 10.4 15.6

54 14.8 12.6 18.8

68 13.1 10.7 16.1

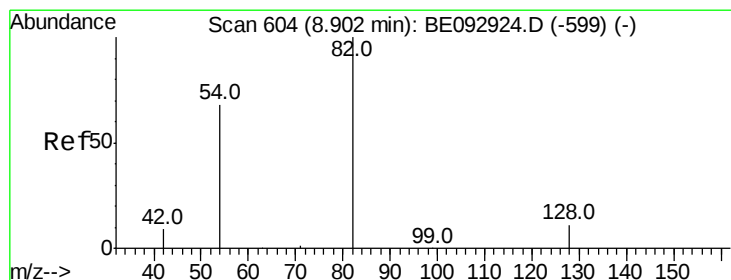
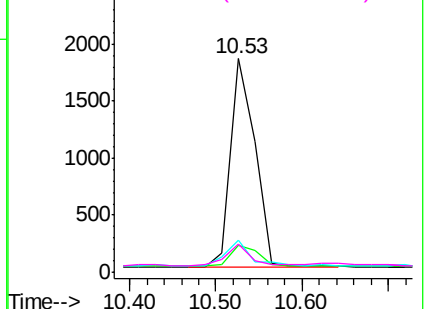


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.38 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

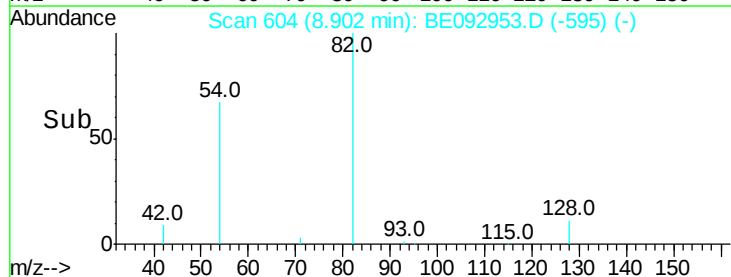
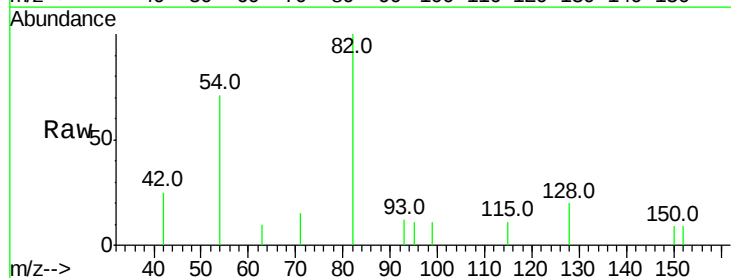
Tgt Ion: 82 Resp: 929

Ion Ratio Lower Upper

82 100

128 20.0 35.3 52.9#

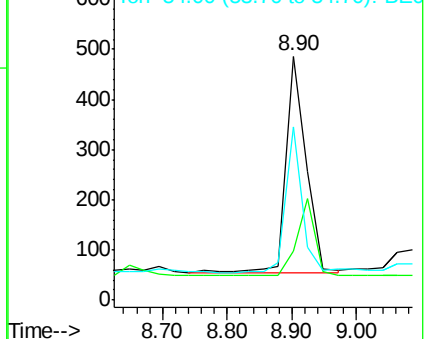
54 71.0 65.1 97.7

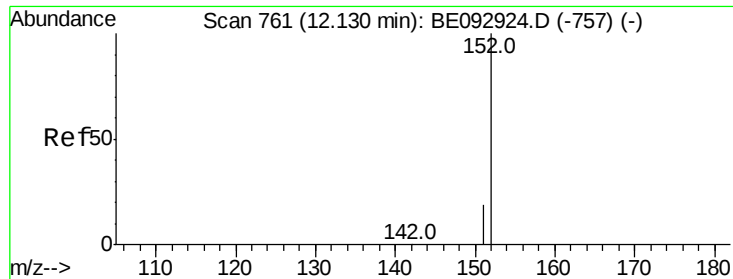


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

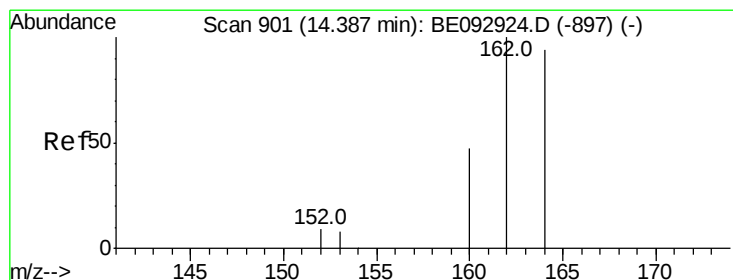
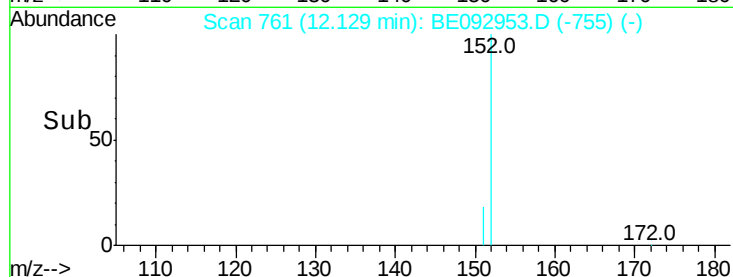
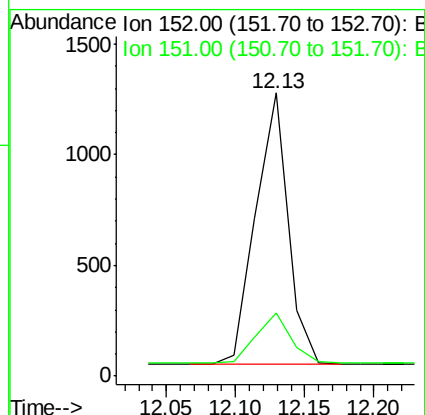
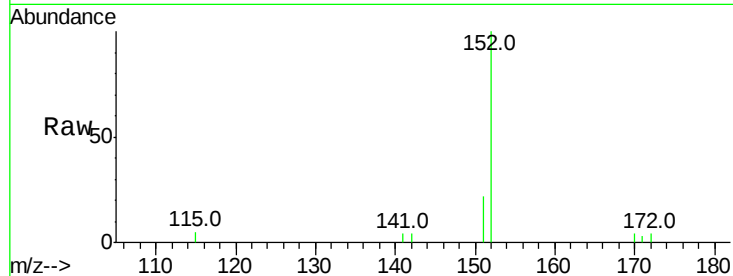




#11
 2-Methylnaphthalene-d10
 Concen: 0.38 ng
 RT: 12.13 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE092953.D
 Acq: 6 May 2017 5:43

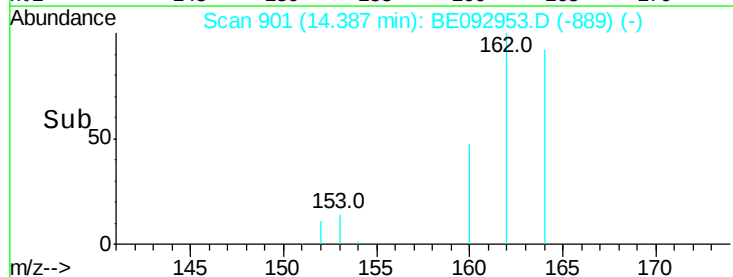
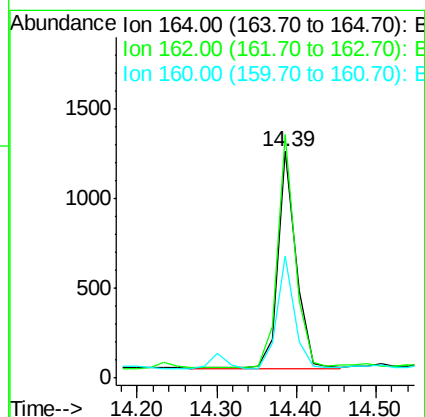
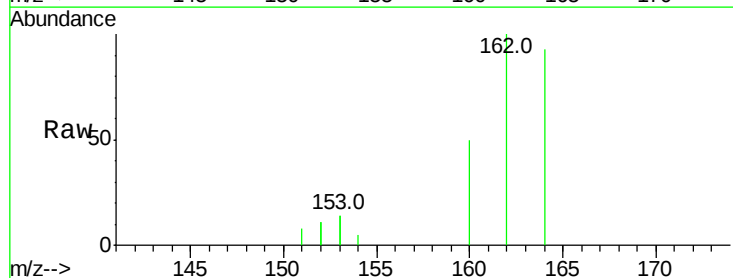
Instrument :
 BNA_E
 ClientSampleId :

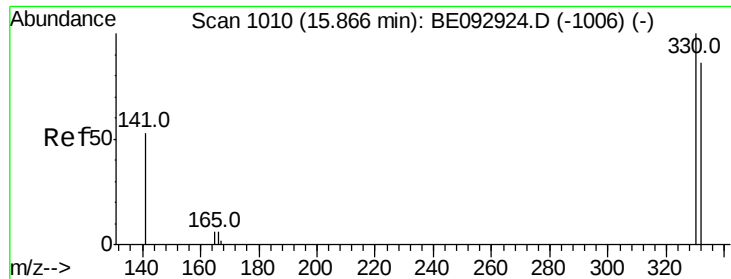
Tot Ion:152 Resp: 2019
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.7 23.5



#13
 Acenaphthene-d10
 Concen: 0.40 ng
 RT: 14.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BE092953.D
 Acq: 6 May 2017 5:43

Tgt Ion:164 Resp: 1902
 Ion Ratio Lower Upper
 164 100
 162 107.5 86.6 130.0
 160 53.6 44.5 66.7

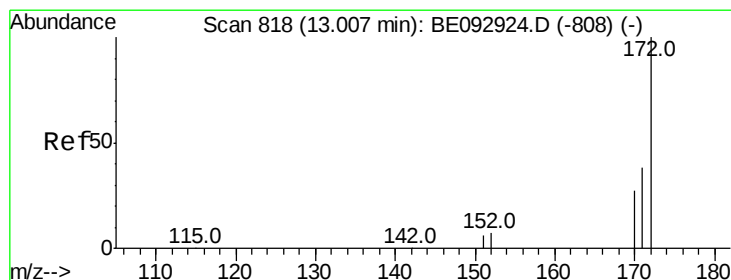
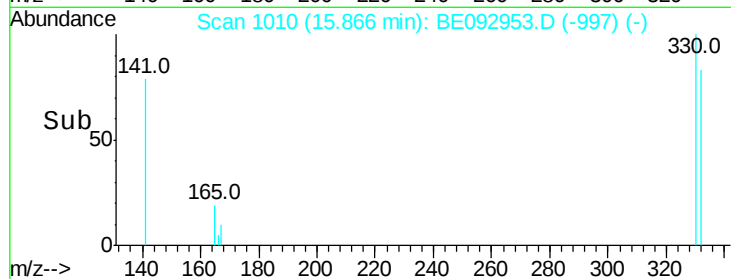
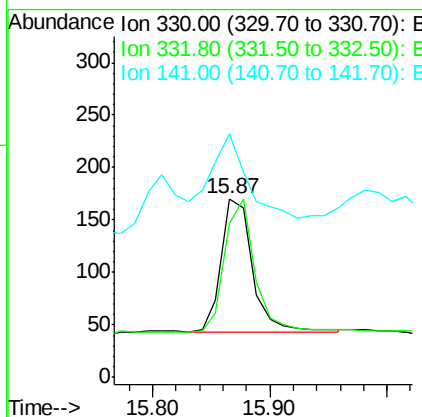
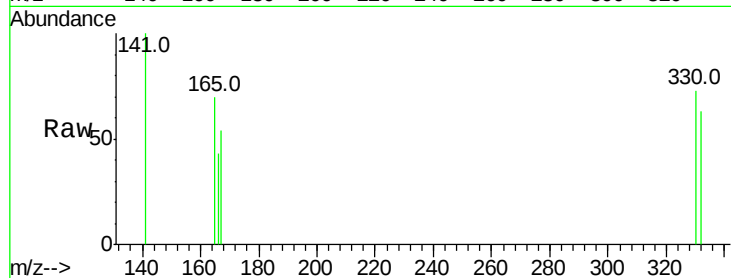




#14
 2,4,6-Tribromophenol
 Concen: 0.80 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BE092953.D
 Acq: 6 May 2017 5:43

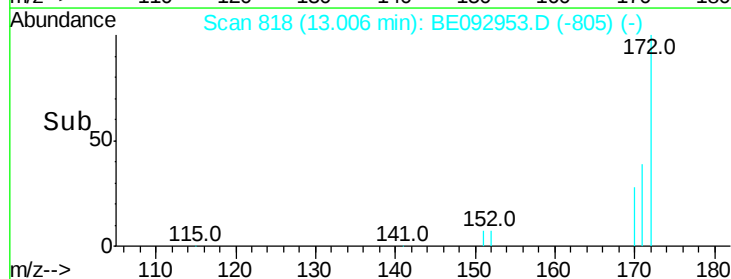
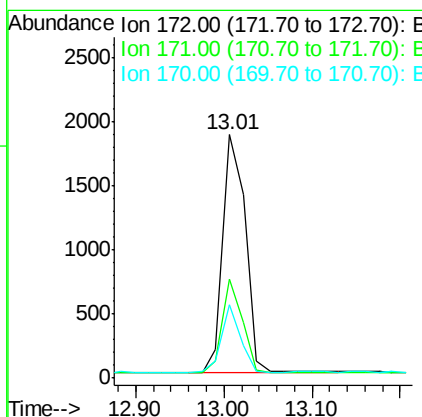
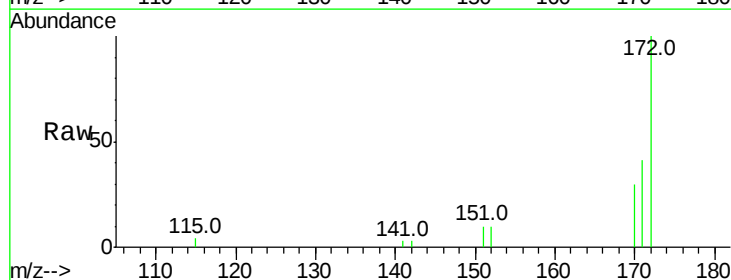
Instrument :
 BNA_E
 ClientSampleId :

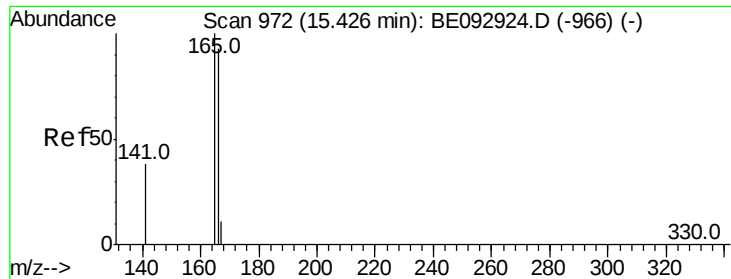
Tot Ion:330 Resp: 238
 Ion Ratio Lower Upper
 330 100
 332 96.2 69.1 103.7
 141 78.6 54.6 81.8



#15
 2-Fluorobiphenyl
 Concen: 0.37 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE092953.D
 Acq: 6 May 2017 5:43

Tgt Ion:172 Resp: 3264
 Ion Ratio Lower Upper
 172 100
 171 40.6 35.8 53.6
 170 30.2 28.5 42.7





#18

Fluorene

Concen: 0.03 ng

RT: 15.43 min Scan# 972

Delta R.T. -0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampleId :

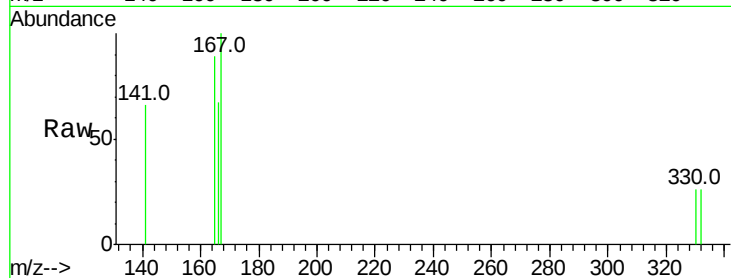
Tot Ion:166 Resp: 216

Ion Ratio Lower Upper

166 100

165 52.8 80.7 121.1#

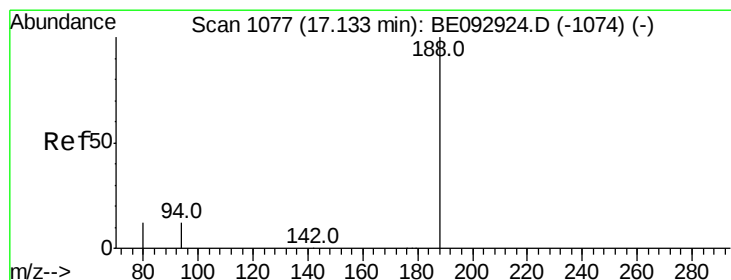
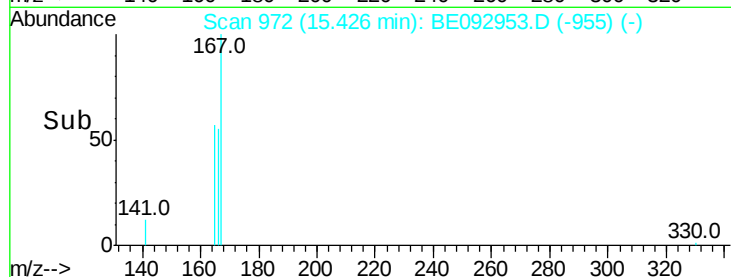
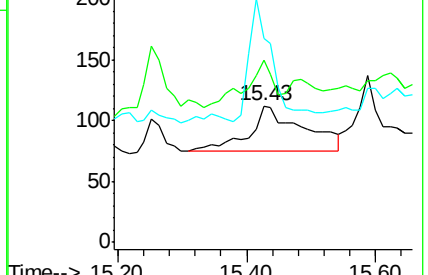
167 122.7 11.3 16.9#



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



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

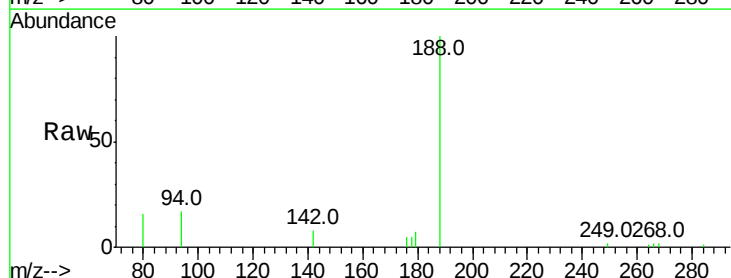
Tgt Ion:188 Resp: 5005

Ion Ratio Lower Upper

188 100

94 17.3 10.2 15.4#

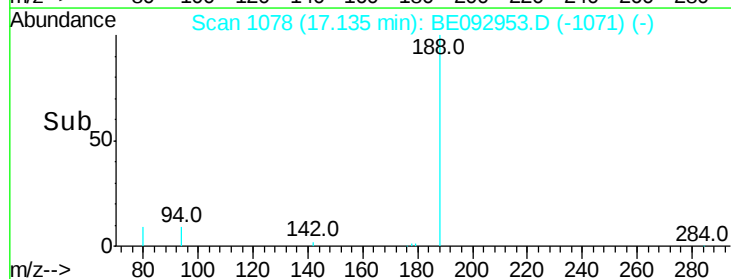
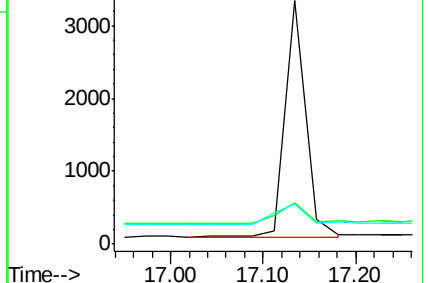
80 16.5 10.6 15.8#

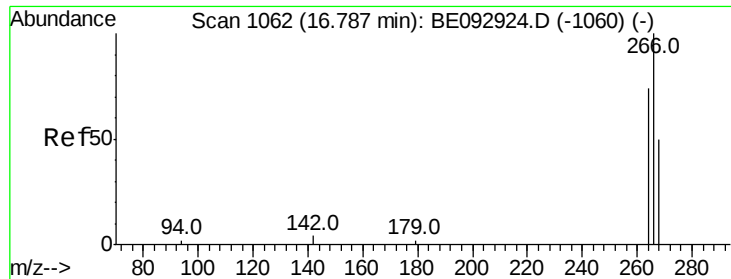


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

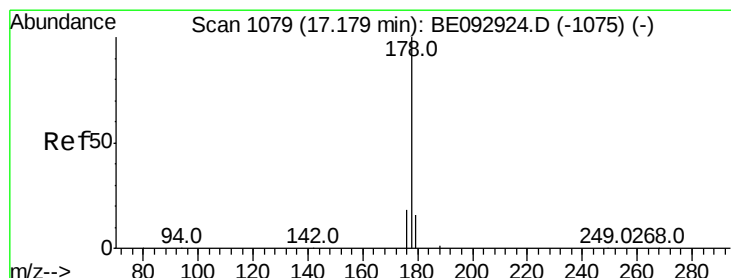
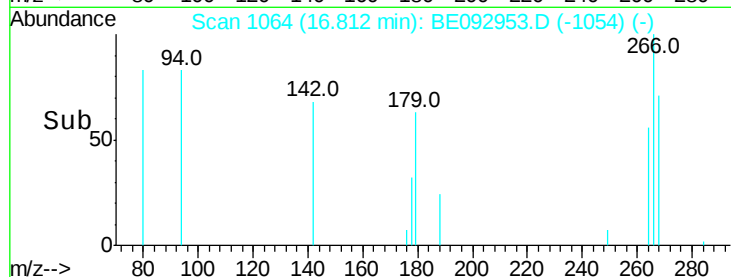
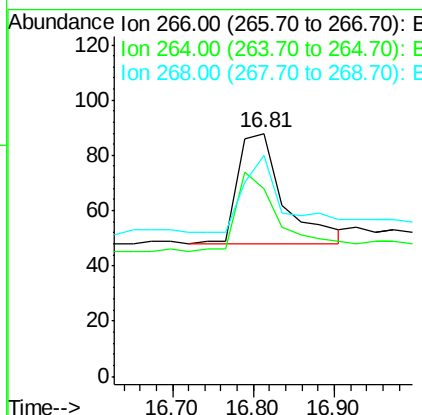
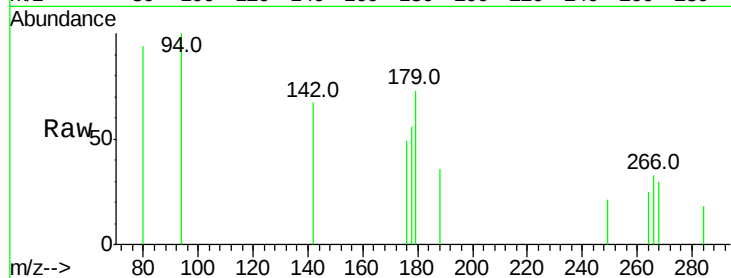




#21
 Pentachlorophenol
 Concen: 0.44 ng
 RT: 16.81 min Scan# 1064
 Delta R.T. 0.03 min
 Lab File: BE092953.D
 Acq: 6 May 2017 5:43

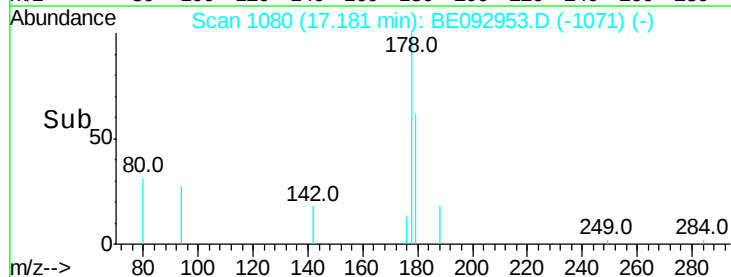
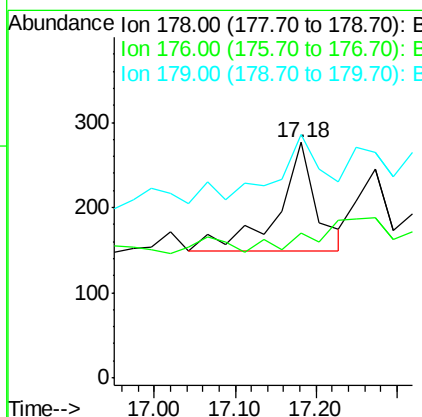
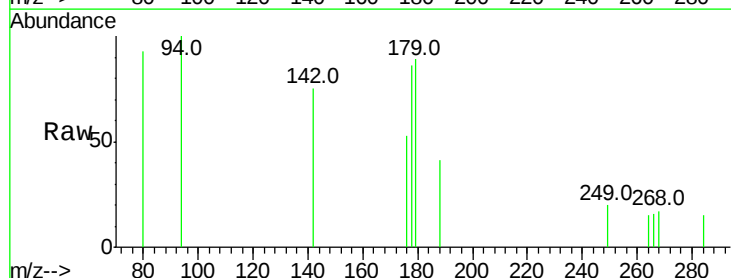
Instrument :
 BNA_E
 ClientSampled :

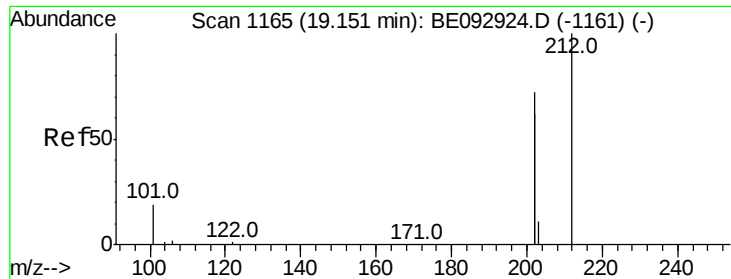
Tot Ion:266 Resp: 158
 Ion Ratio Lower Upper
 266 100
 264 77.3 75.4 113.2
 268 90.9 75.4 113.2



#22
 Phenanthrene
 Concen: 0.03 ng
 RT: 17.18 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: BE092953.D
 Acq: 6 May 2017 5:43

Tgt Ion:178 Resp: 426
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.2 21.4#
 179 82.6 13.6 20.4#





#24

Fluoranthene-d10

Concen: 0.45 ng

RT: 19.15 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampleId :

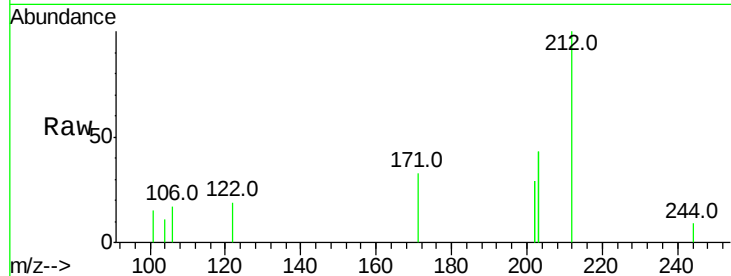
Tot Ion:212 Resp: 5275

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

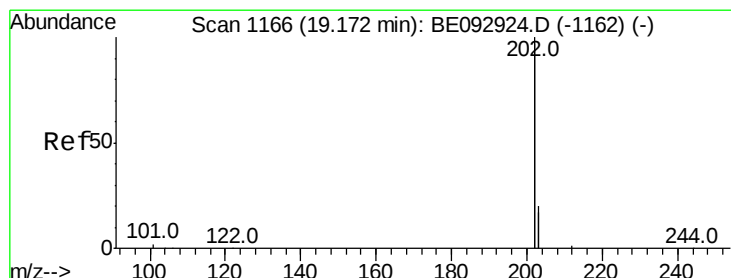
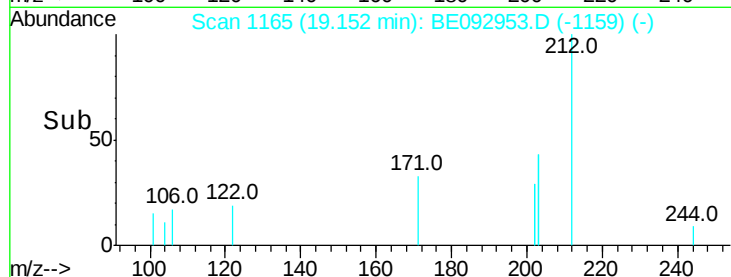
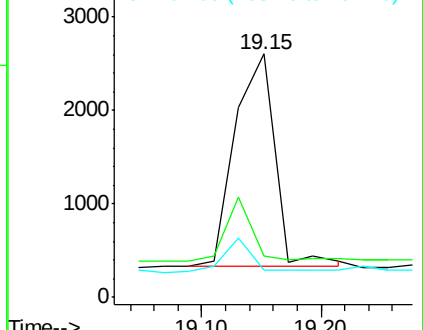
104 0.0 0.0 0.0



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: 0.02 ng

RT: 19.17 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

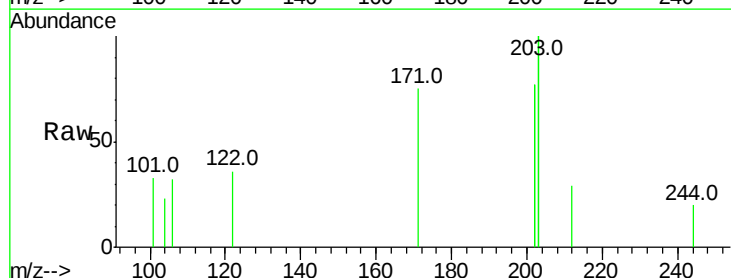
Tgt Ion:202 Resp: 1317

Ion Ratio Lower Upper

202 100

101 19.5 0.0 0.0#

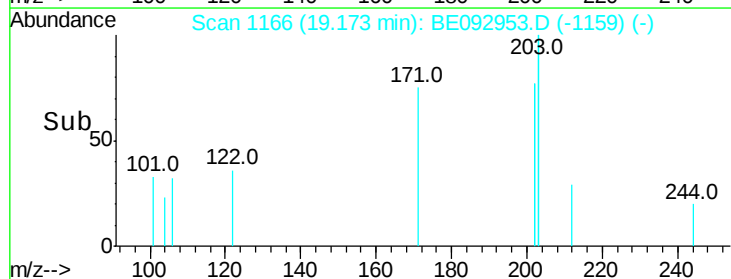
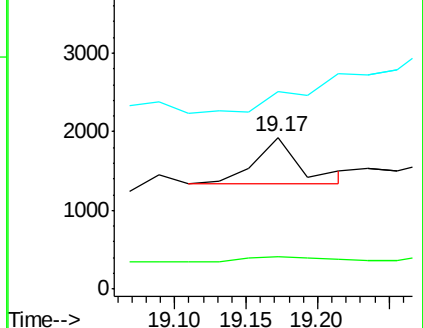
203 0.0 15.3 22.9#

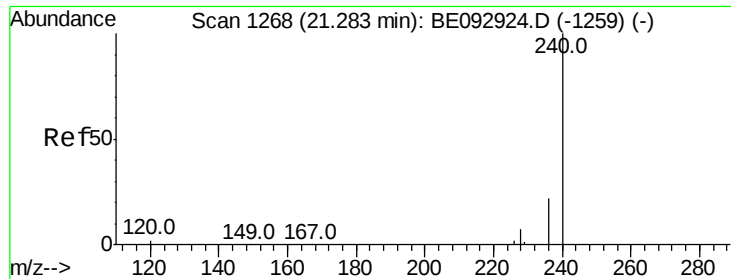


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampleId :

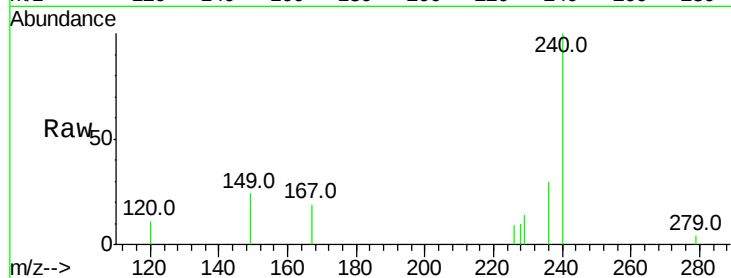
Tot Ion:240 Resp: 5484

Ion Ratio Lower Upper

240 100

120 11.5 4.6 6.8#

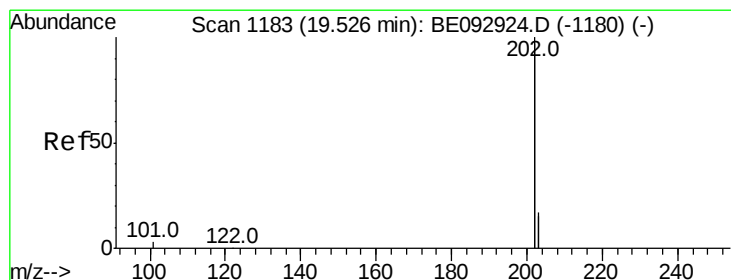
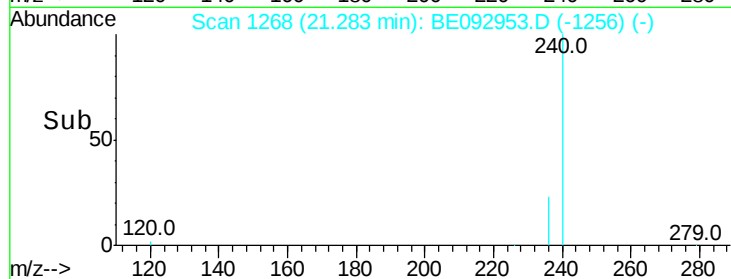
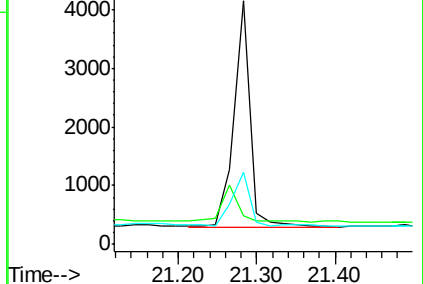
236 29.8 19.8 29.8#



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



#27

Pyrene

Concen: 0.04 ng

RT: 19.53 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

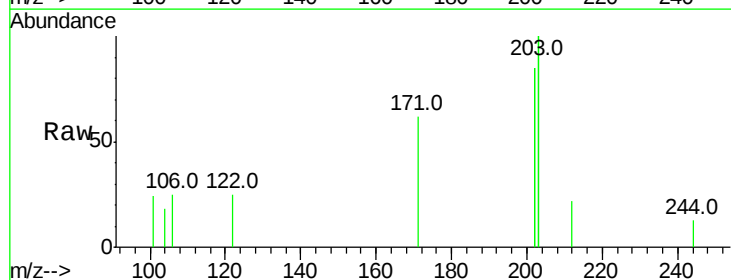
Tgt Ion:202 Resp: 2909

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

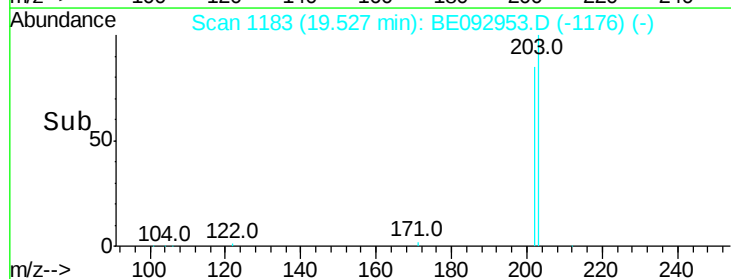
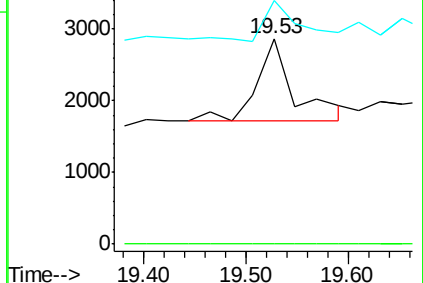
203 42.2 13.5 20.3#

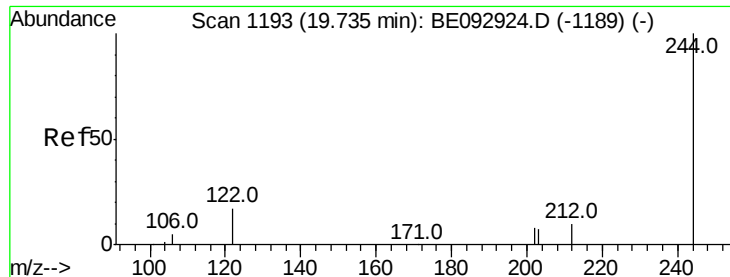


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#28

Terphenyl-d14

Concen: 0.38 ng

RT: 19.74 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampleId :

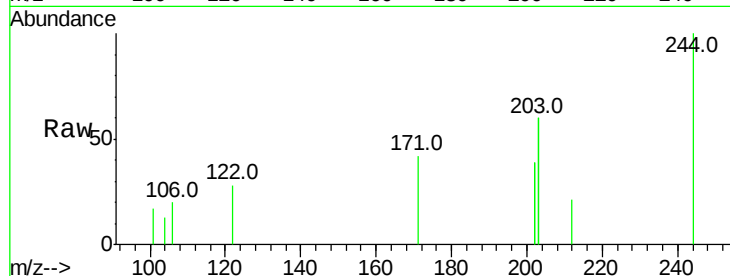
Tot Ion:244 Resp: 3667

Ion Ratio Lower Upper

244 100

212 21.2 18.4 27.6

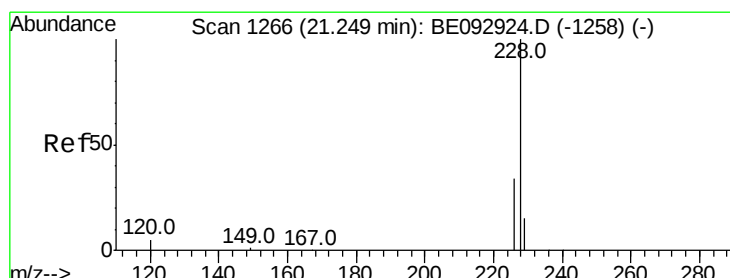
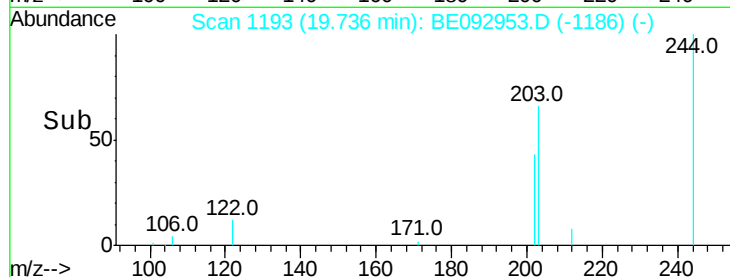
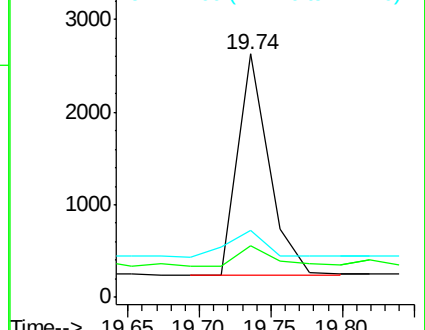
122 27.7 23.3 34.9



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: 0.03 ng

RT: 21.23 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

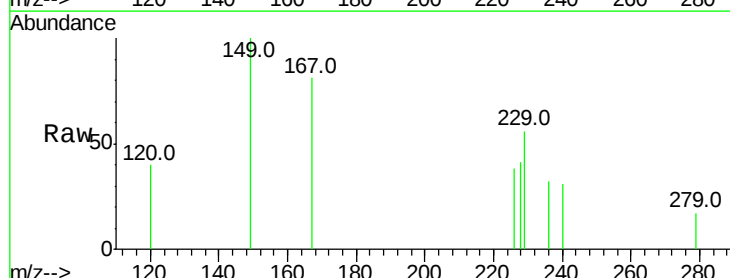
Tgt Ion:228 Resp: 333

Ion Ratio Lower Upper

228 100

226 92.7 32.0 48.0#

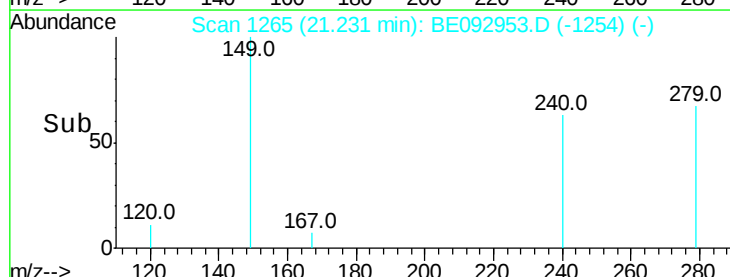
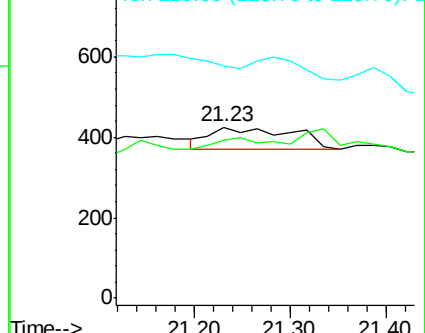
229 135.8 21.4 32.0#

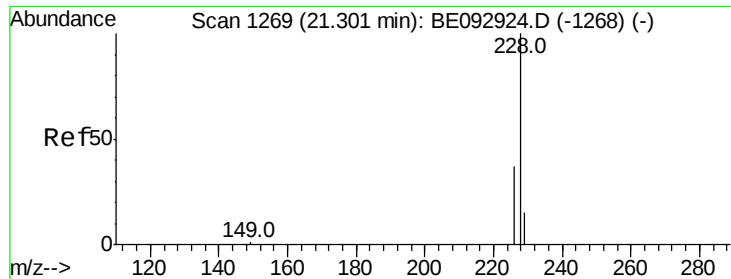


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Chrysene

Concen: 0.02 ng

RT: 21.23 min Scan# 1265

Delta R.T. -0.07 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampled :

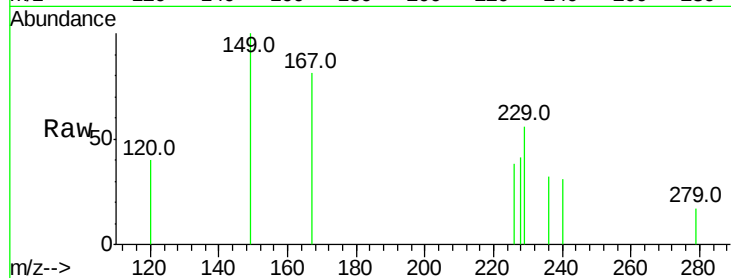
Tot Ion:228 Resp: 333

Ion Ratio Lower Upper

228 100

226 92.7 34.2 51.2#

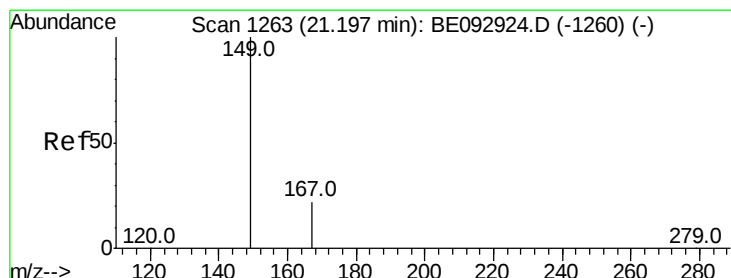
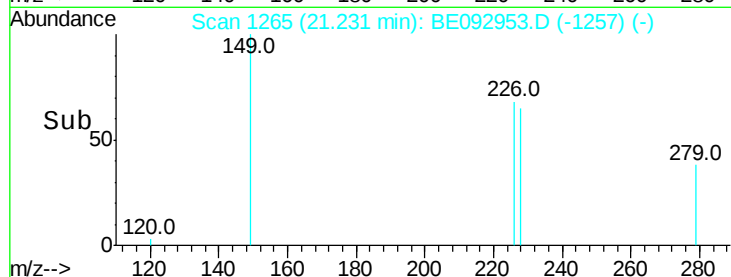
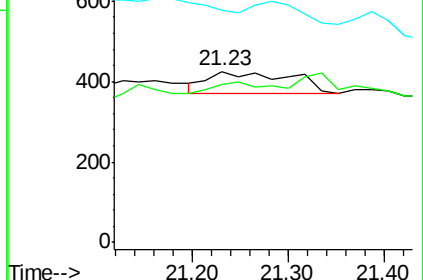
229 135.8 18.6 28.0#



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: 0.97 ng

RT: 21.20 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

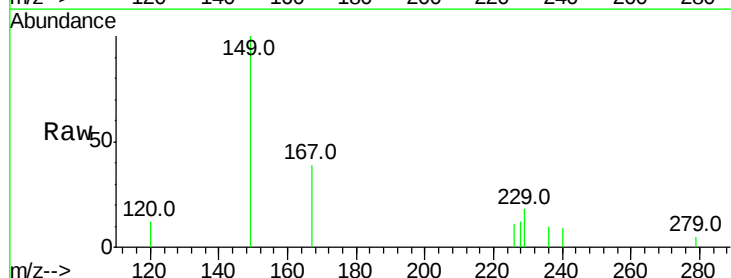
Tgt Ion:149 Resp: 3402

Ion Ratio Lower Upper

149 100

167 31.7 20.9 31.3#

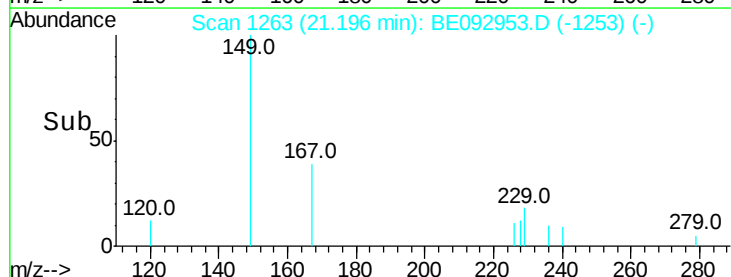
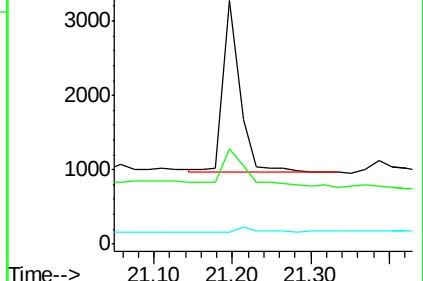
279 3.1 0.0 0.0#

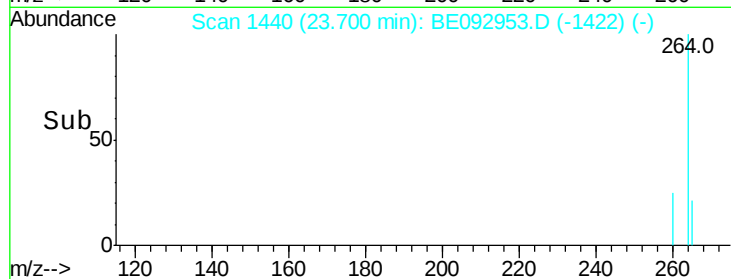
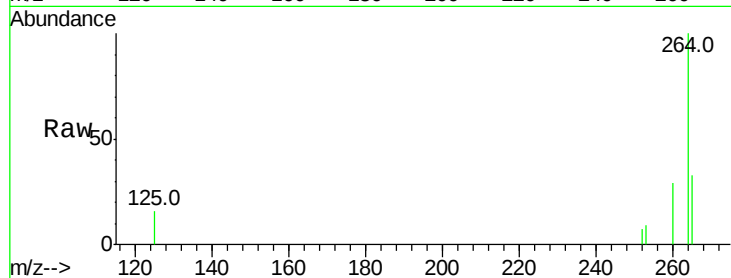
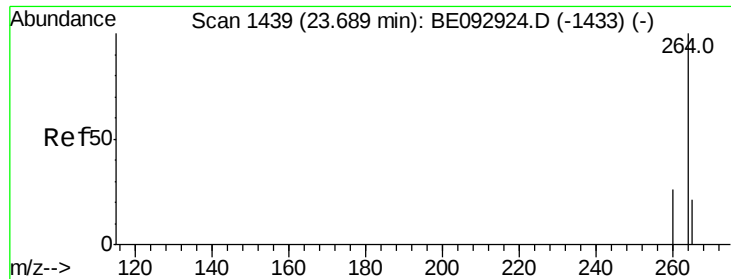


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Pervlene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BE092953.D

Acq: 6 May 2017 5:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 4518

Ion Ratio Lower Upper

264 100

260 28.6 23.5 35.3

265 32.8 27.2 40.8

