

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050517\
 Data File : BE092956.D
 Acq On : 6 May 2017 7:36
 Operator : SJ/MA
 Sample : I2893-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 08 04:29:40 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	929	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	4169	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	2263	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5277	0.40	ng	0.00
26) Chrysene-d12	21.28	240	6448	0.40	ng	0.00
33) Perylene-d12	23.70	264	5361	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	456	0.22	ng	0.01
5) Phenol-d6	6.94	99	419	0.14	ng	0.00
8) Nitrobenzene-d5	8.90	82	1302	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	2288	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	293	0.83	ng	0.01
15) 2-Fluorobiphenyl	13.01	172	4453	0.43	ng	0.00
24) Fluoranthene-d10	19.15	212	5794	0.47	ng	0.00
28) Terphenyl-d14	19.73	244	4329	0.38	ng	0.00

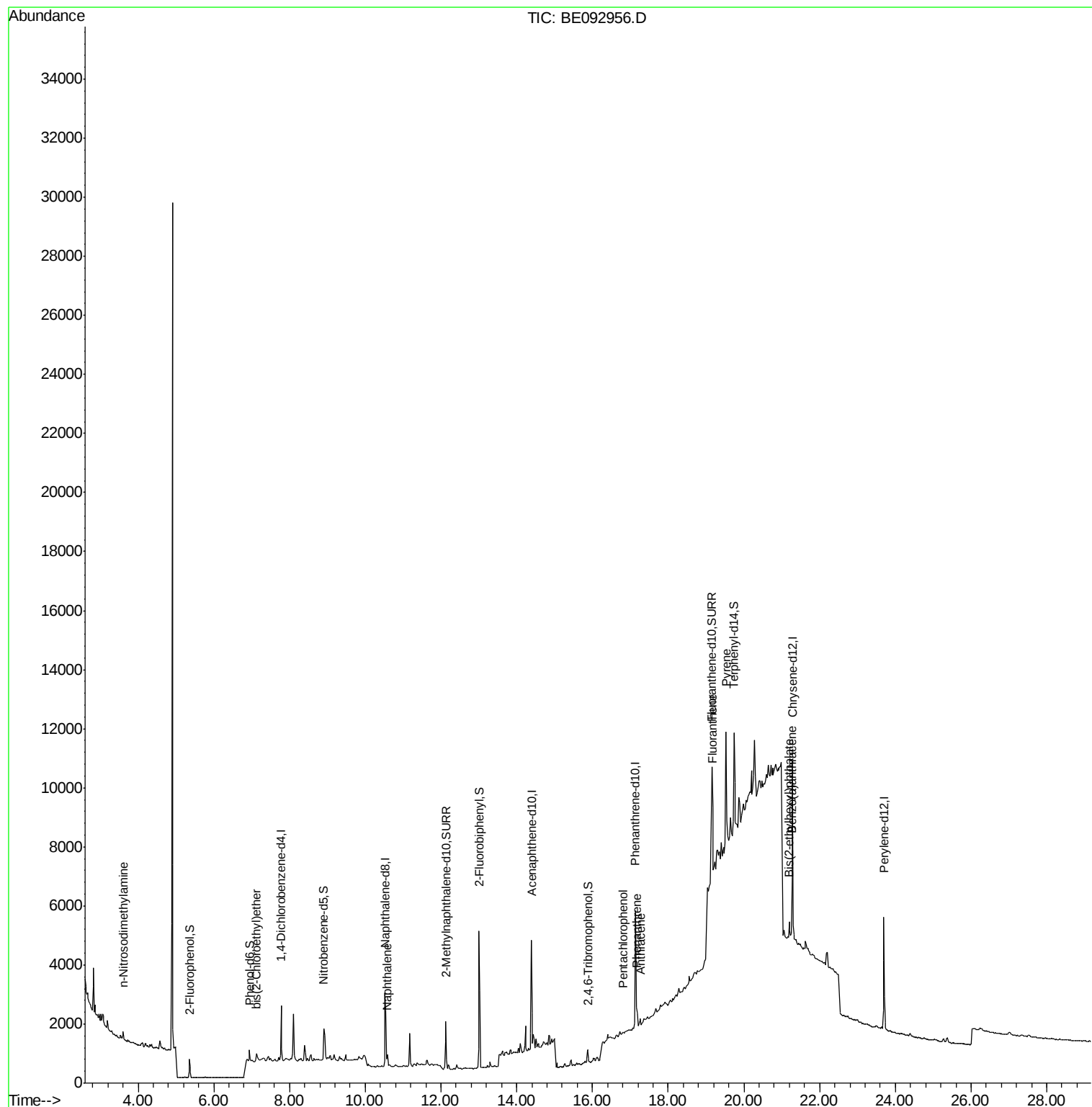
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.61	42	34	0.02	ng	# 1
6) bis(2-Chloroethyl)ether	7.13	93	286	0.08	ng	# 32
9) Naphthalene	10.58	128	513	0.05	ng	# 85
21) Pentachlorophenol	16.81	266	35	0.21	ng	# 94
22) Phenanthrene	17.18	178	726	0.05	ng	# 80
23) Anthracene	17.27	178	227	0.02	ng	# 9
25) Fluoranthene	19.17	202	3169	0.05	ng	# 58
27) Pyrene	19.53	202	5908	0.07	ng	# 61
29) Benzo(a)anthracene	21.27	228	376	0.02	ng	# 1
31) Bis(2-ethylhexyl)phthalate	21.20	149	808	0.20	ng	# 49

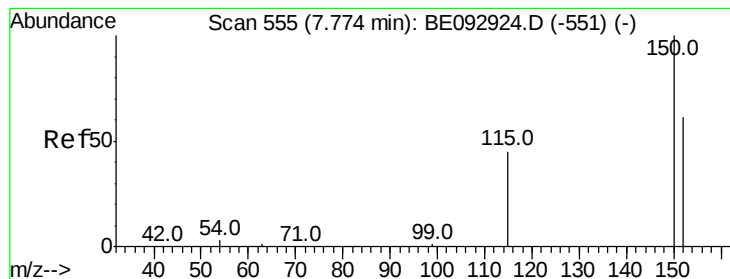
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092956.D

Acq: 6 May 2017 7:36

Instrument :

BNA_E

ClientSampleId :

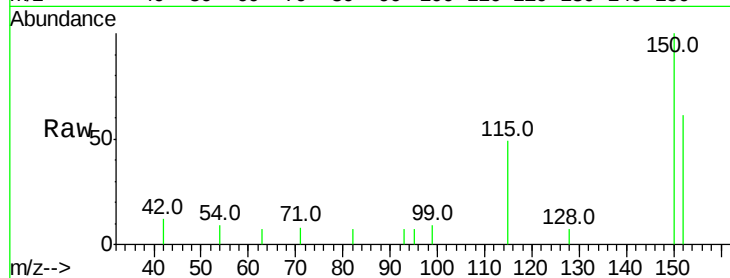
Tot Ion:152 Resp: 929

Ion Ratio Lower Upper

152 100

150 165.2 129.9 194.9

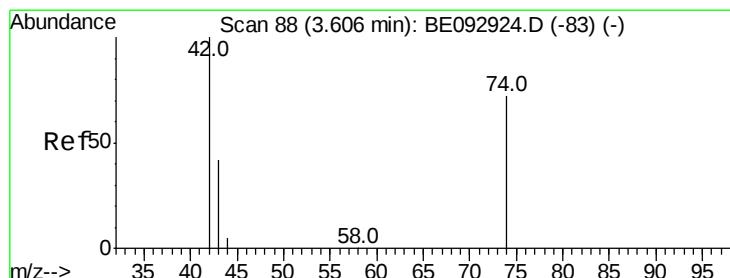
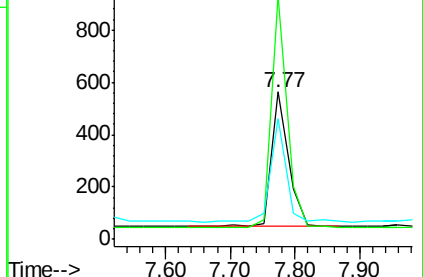
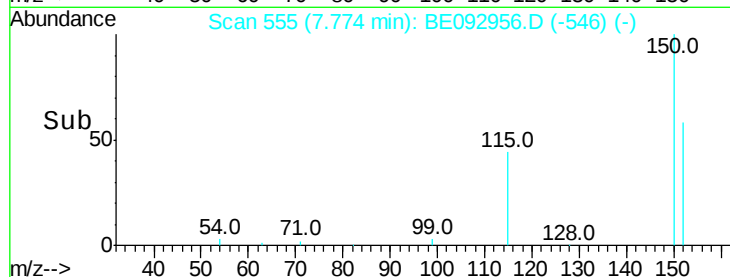
115 81.5 62.6 93.8



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: 0.02 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

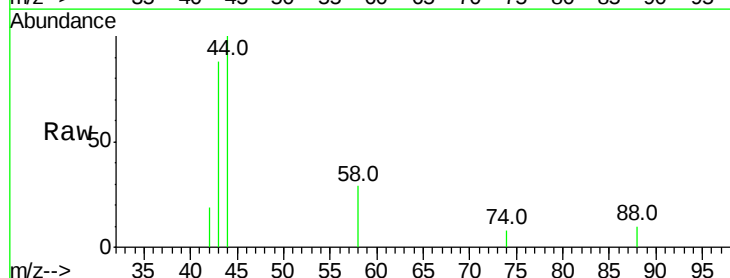
Tgt Ion: 42 Resp: 34

Ion Ratio Lower Upper

42 100

74 0.0 106.6 160.0#

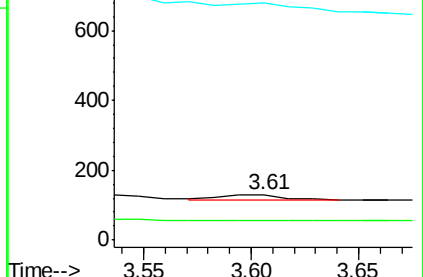
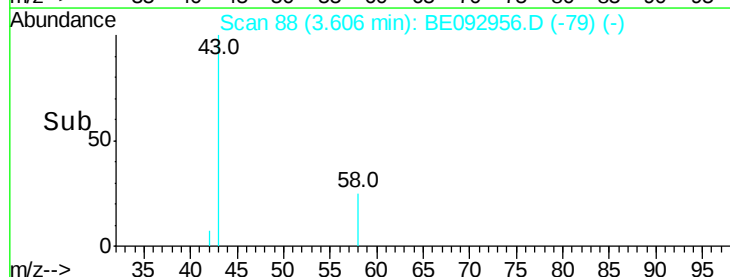
44 0.0 25.7 38.5#

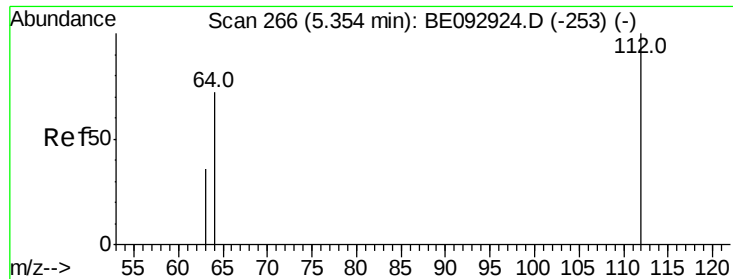


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.22 ng

RT: 5.37 min Scan# 268

Delta R.T. 0.01 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

Instrument :

BNA_E

ClientSampleId :

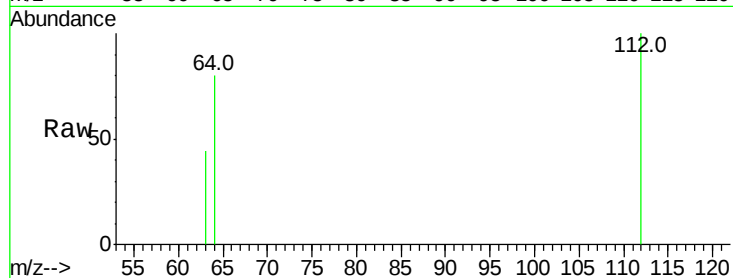
Tot Ion:112 Resp: 456

Ion Ratio Lower Upper

112 100

64 71.7 52.6 79.0

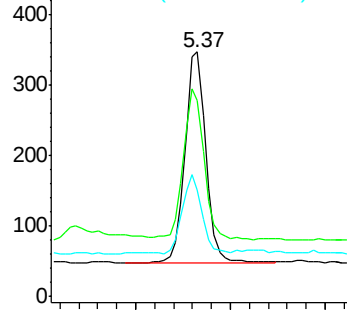
63 35.3 29.0 43.4



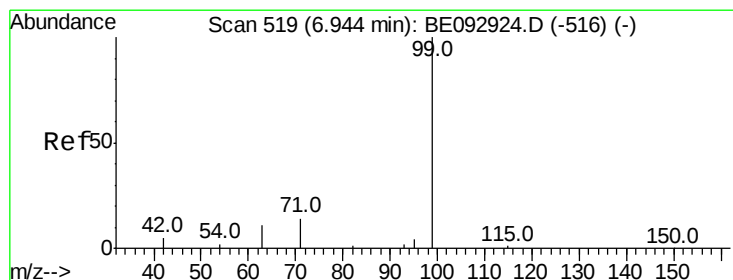
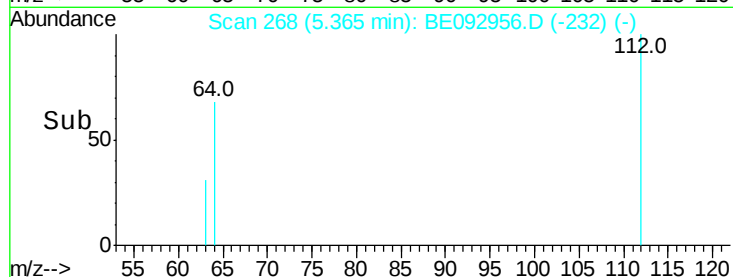
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.14 ng

RT: 6.94 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

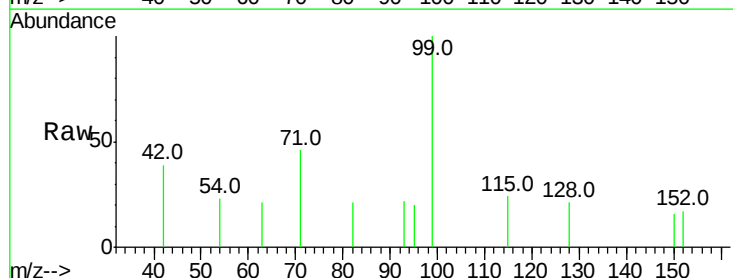
Tgt Ion: 99 Resp: 419

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

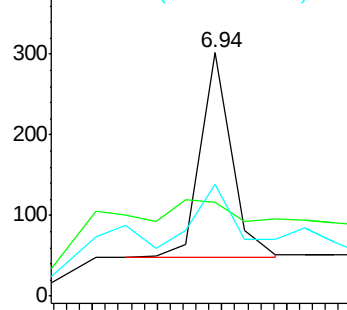
71 27.9 0.0 0.0#



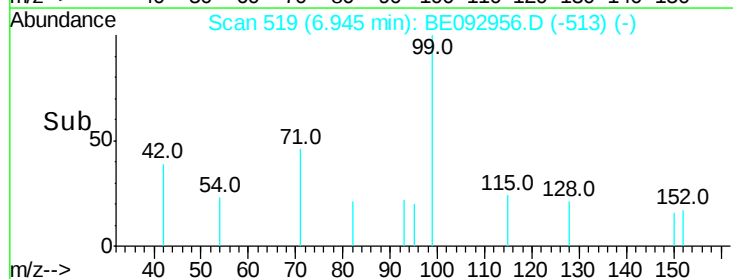
Abundance Ion 99.00 (98.70 to 99.70): BE0

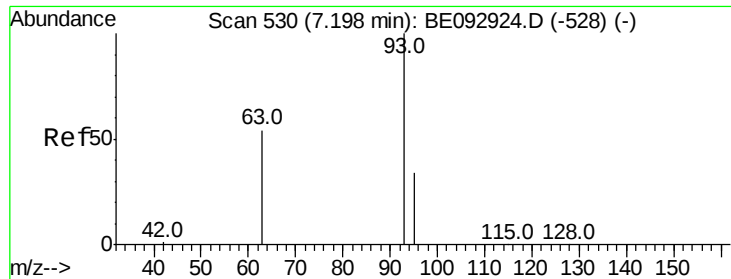
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.08 ng

RT: 7.13 min Scan# 527

Delta R.T. -0.07 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

Instrument :

BNA_E

ClientSampled :

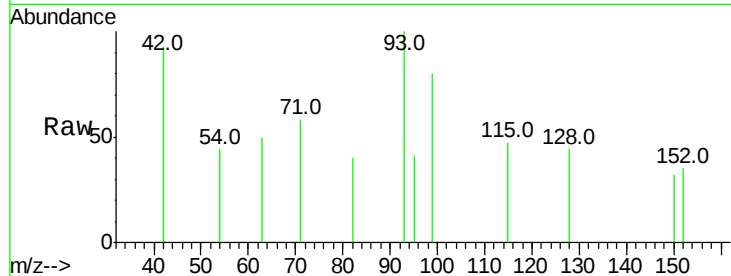
Tot Ion: 93 Resp: 286

Ion Ratio Lower Upper

93 100

63 14.3 61.2 91.8#

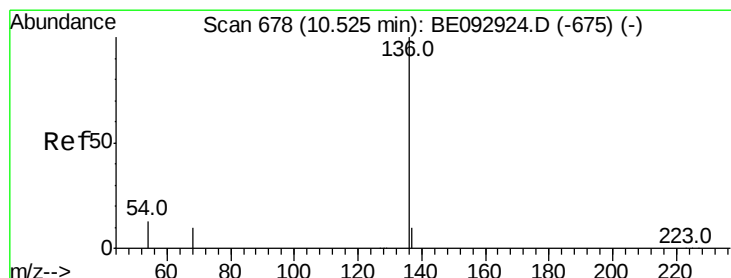
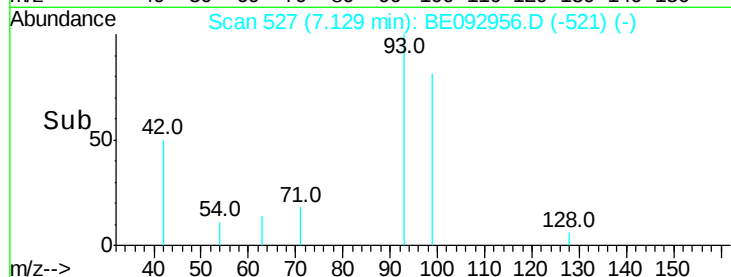
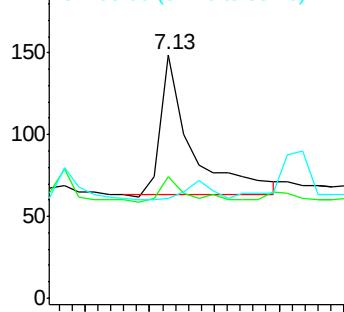
95 0.0 25.5 38.3#



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: 10.52 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

Tgt Ion: 136 Resp: 4169

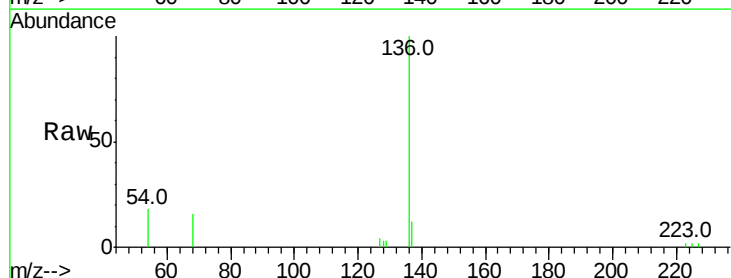
Ion Ratio Lower Upper

136 100

137 12.0 10.4 15.6

54 18.1 12.6 18.8

68 15.5 10.7 16.1

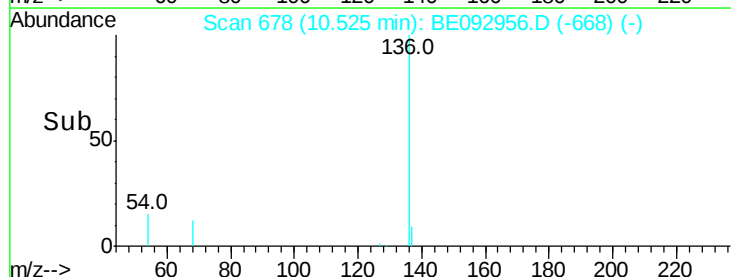
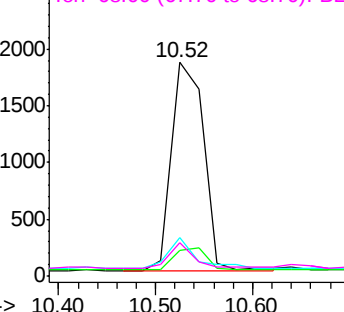


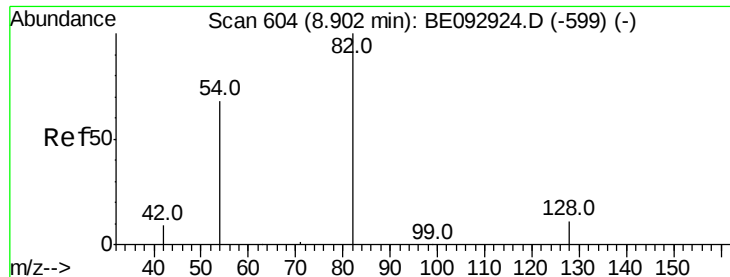
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.46 ng

RT: 8.90 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE092956.D

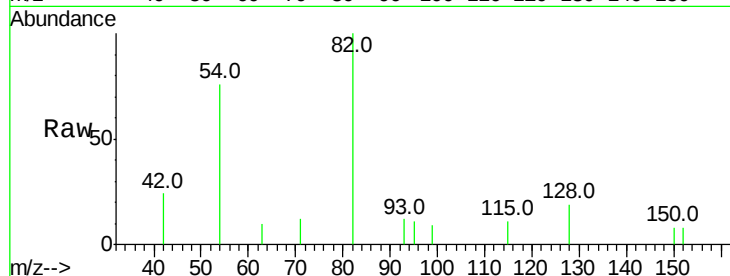
Acq: 6 May 2017 7:36

Instrument :

BNA_E

ClientSampleId :

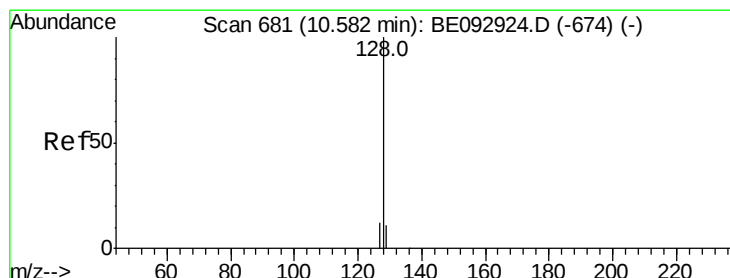
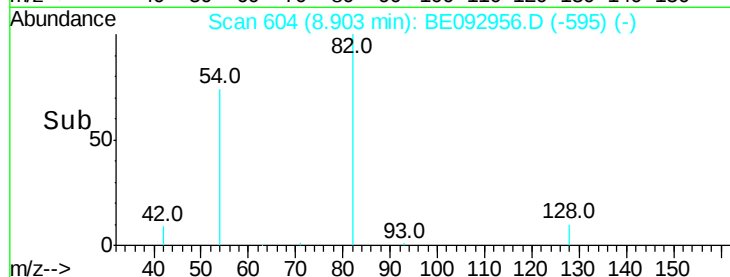
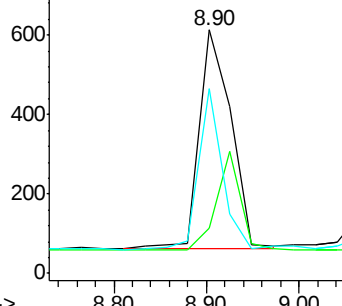
Tot Ion:	82	Resp:	1302
Ion	Ratio	Lower	Upper
82	100		
128	18.8	35.3	52.9#
54	76.0	65.1	97.7



Abundance Ion 82.00 (81.70 to 82.70): BE092924.D (-599) (-)

Ion 128.00 (127.70 to 128.70): BE092924.D (-599) (-)

Ion 54.00 (53.70 to 54.70): BE092924.D (-599) (-)



#9

Naphthalene

Concen: 0.05 ng

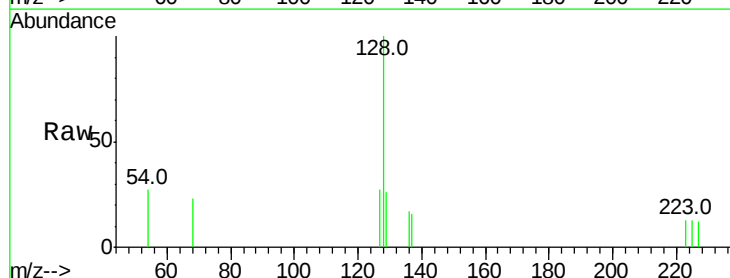
RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

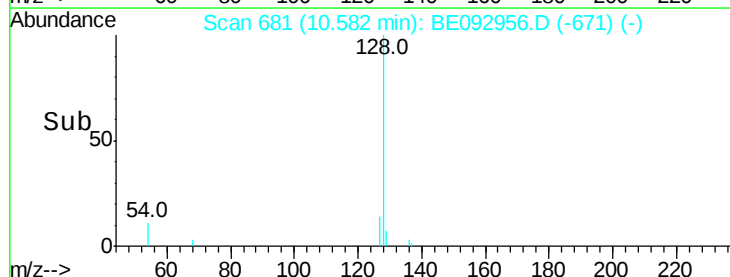
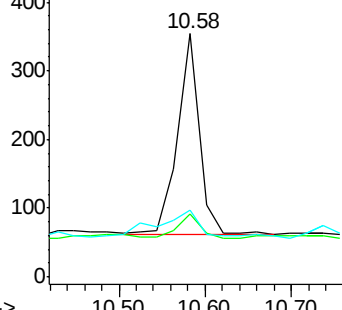
Tgt Ion:	128	Resp:	513
Ion	Ratio	Lower	Upper
128	100		
129	25.7	15.8	23.8#
127	27.4	16.0	24.0#

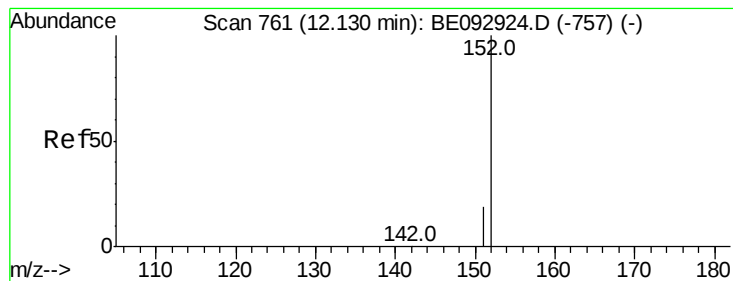


Abundance Ion 128.00 (127.70 to 128.70): BE092924.D (-674) (-)

Ion 129.00 (128.70 to 129.70): BE092924.D (-674) (-)

Ion 127.00 (126.70 to 127.70): BE092924.D (-674) (-)

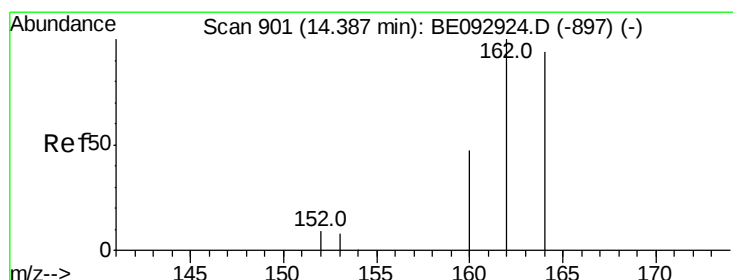
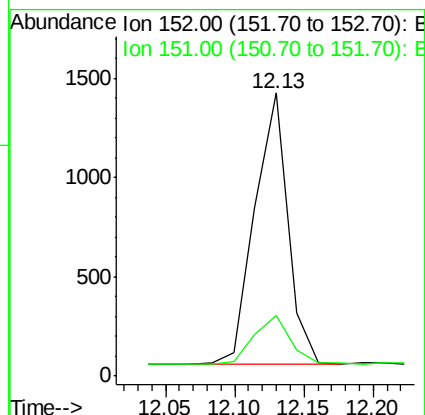
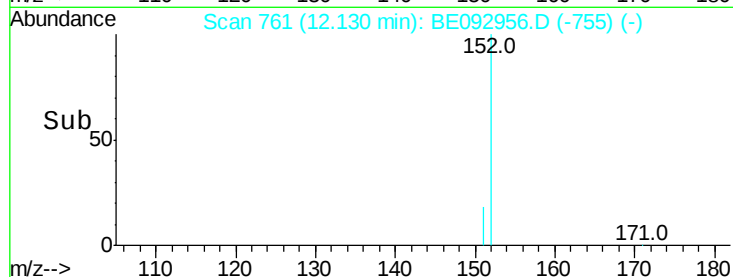
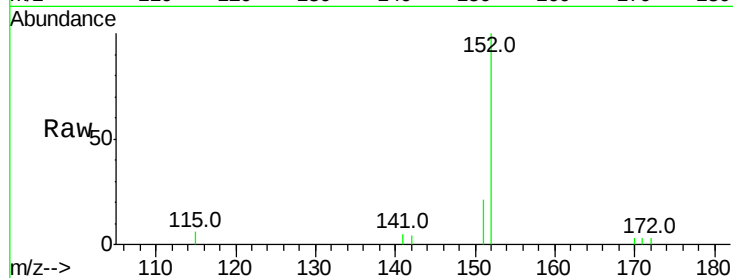




#11
 2-Methylnaphthalene-d10
 Concen: 0.37 ng
 RT: 12.13 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE092956.D
 Acq: 6 May 2017 7:36

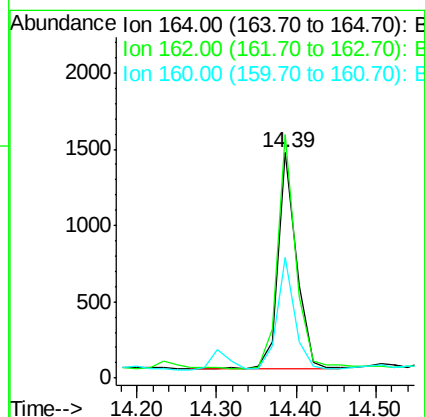
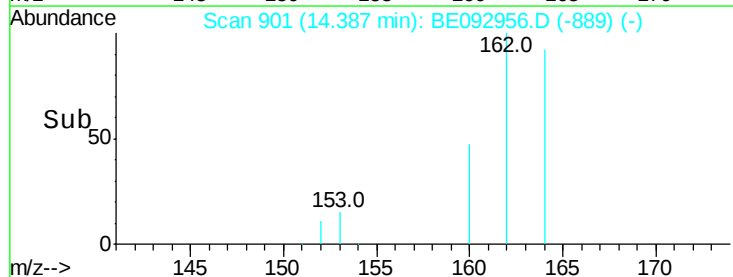
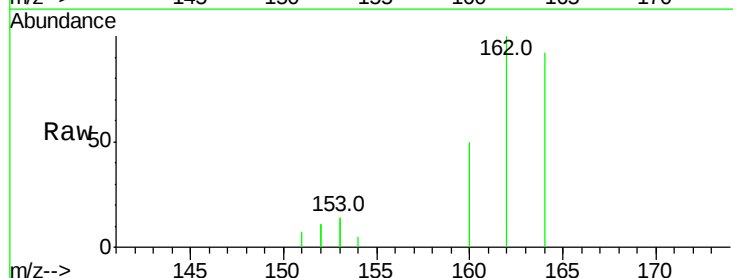
Instrument :
 BNA_E
 ClientSampleId :

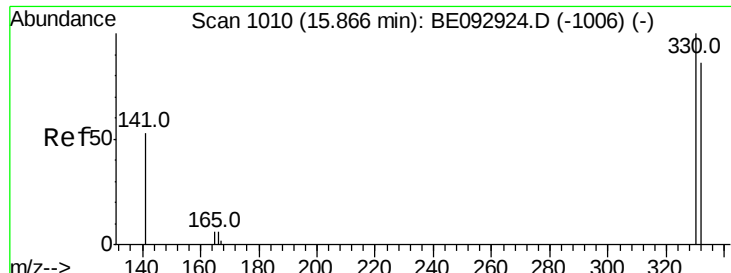
Tot Ion:152 Resp: 2288
 Ion Ratio Lower Upper
 152 100
 151 20.2 15.7 23.5



#13
 Acenaphthene-d10
 Concen: 0.40 ng
 RT: 14.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BE092956.D
 Acq: 6 May 2017 7:36

Tgt Ion:164 Resp: 2263
 Ion Ratio Lower Upper
 164 100
 162 108.1 86.6 130.0
 160 53.6 44.5 66.7

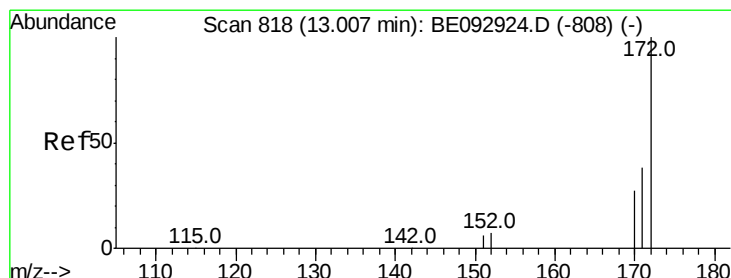
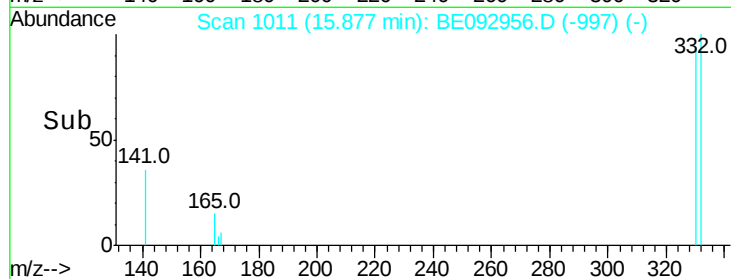
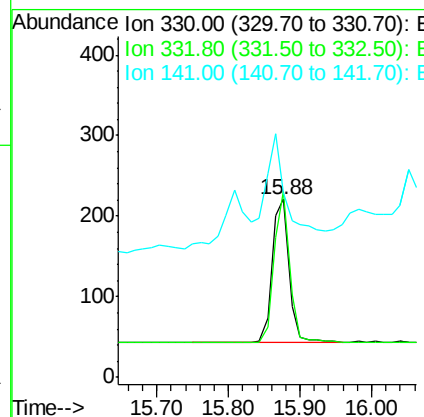
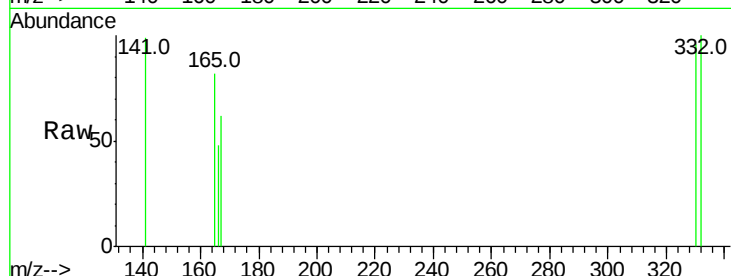




#14
 2,4,6-Tribromophenol
 Concen: 0.83 ng
 RT: 15.88 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: BE092956.D
 Acq: 6 May 2017 7:36

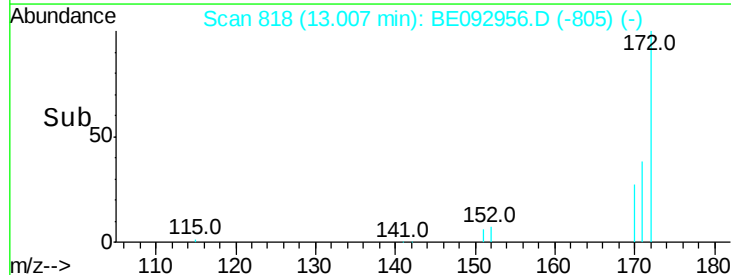
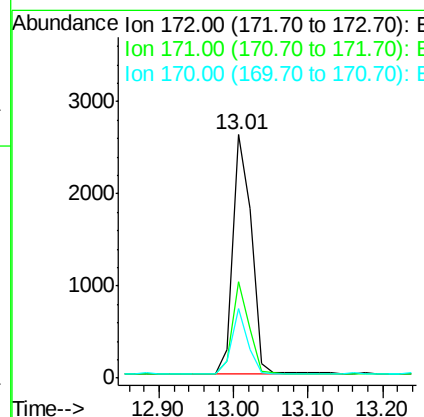
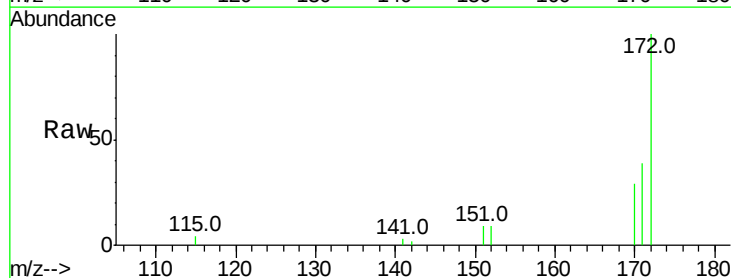
Instrument :
 BNA_E
 ClientSampleId :

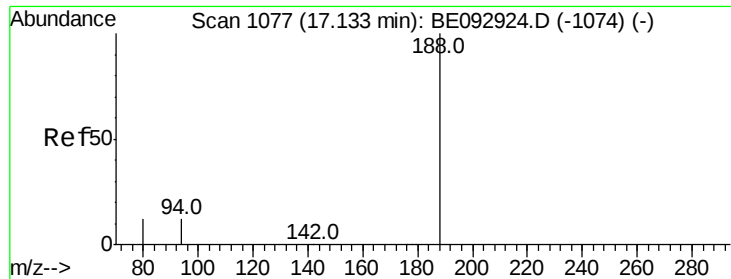
Tot Ion:330 Resp: 293
 Ion Ratio Lower Upper
 330 100
 332 96.2 69.1 103.7
 141 80.5 54.6 81.8



#15
 2-Fluorobiphenyl
 Concen: 0.43 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE092956.D
 Acq: 6 May 2017 7:36

Tgt Ion:172 Resp: 4453
 Ion Ratio Lower Upper
 172 100
 171 39.4 35.8 53.6
 170 28.6 28.5 42.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

Instrument :

BNA_E

ClientSampleId :

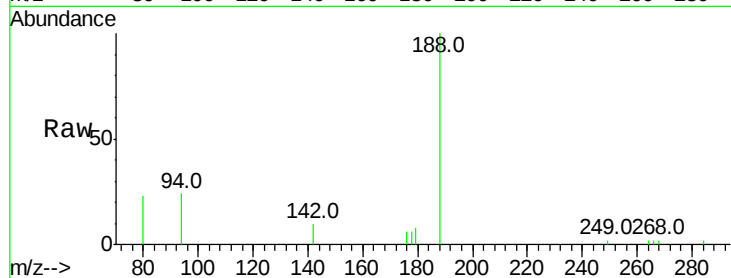
Tot Ion:188 Resp: 5277

Ion Ratio Lower Upper

188 100

94 23.5 10.2 15.4#

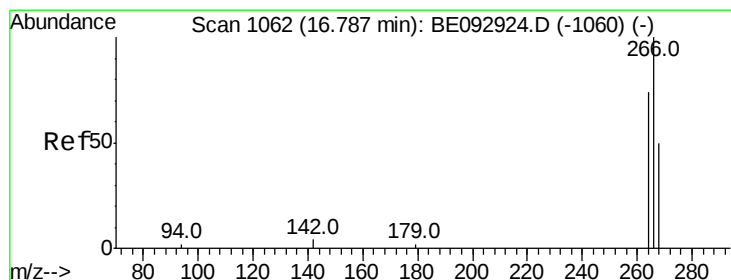
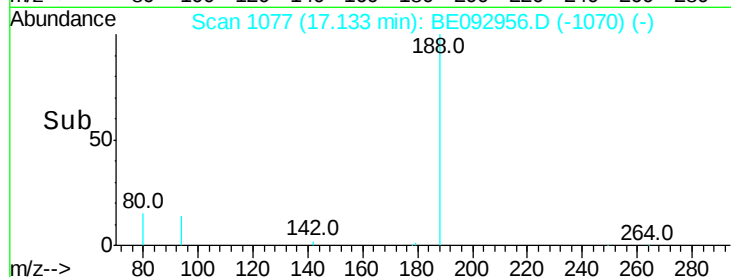
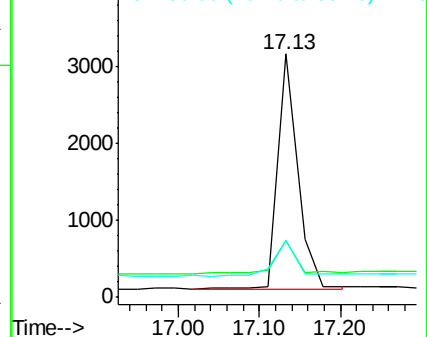
80 23.1 10.6 15.8#



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: 0.21 ng

RT: 16.81 min Scan# 1063

Delta R.T. 0.02 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

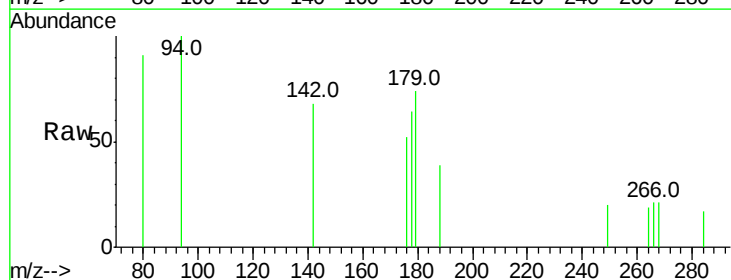
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

264 88.9 75.4 113.2

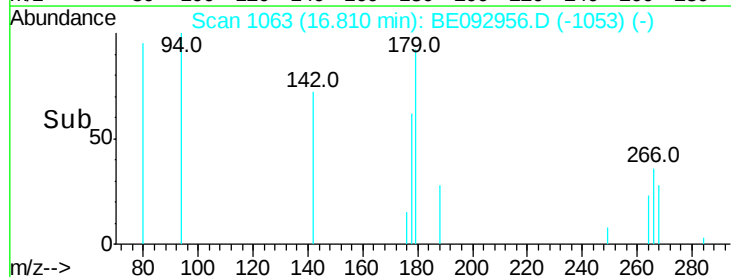
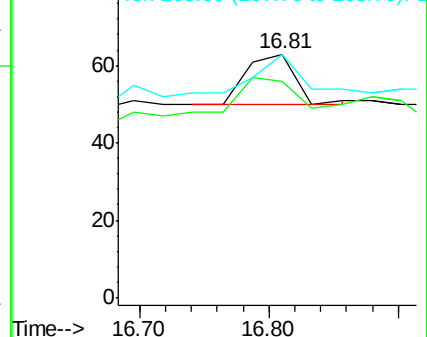
268 100.0 75.4 113.2

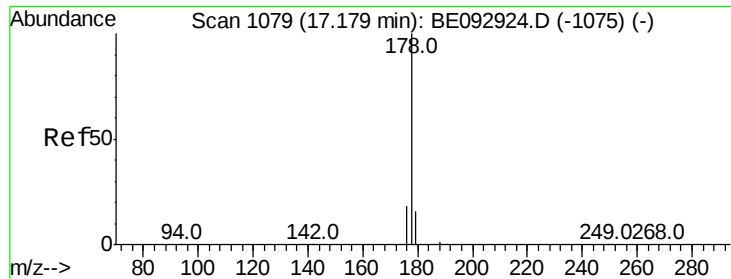


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#22

Phenanthrene

Concen: 0.05 ng

RT: 17.18 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

Instrument :

BNA_E

ClientSampled :

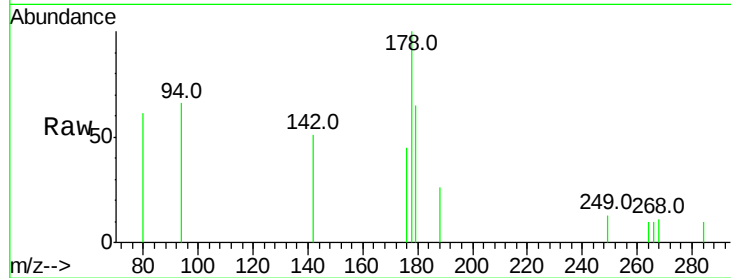
Tot Ion:178 Resp: 726

Ion Ratio Lower Upper

178 100

176 16.5 14.2 21.4

179 33.7 13.6 20.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

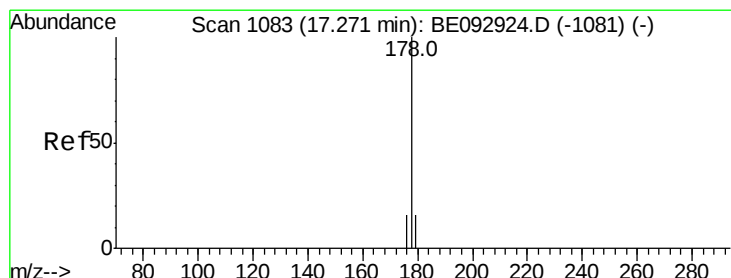
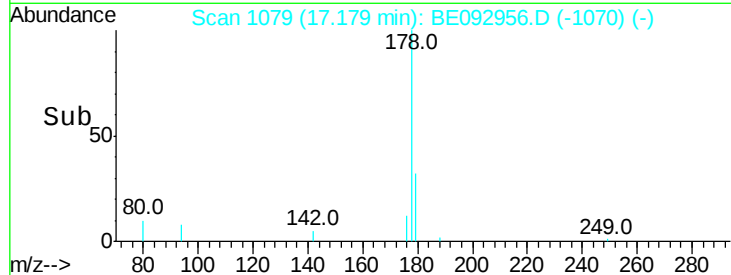
17.18

400

200

0

Time-->



#23

Anthracene

Concen: 0.02 ng

RT: 17.27 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

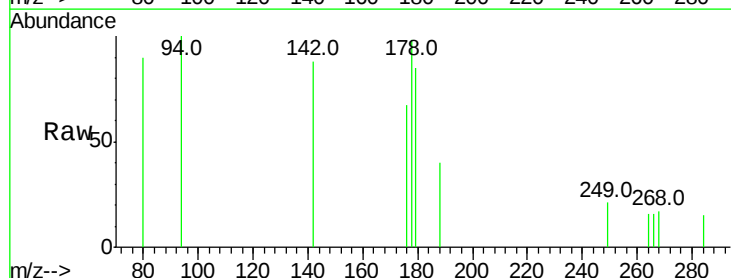
Tgt Ion:178 Resp: 227

Ion Ratio Lower Upper

178 100

176 79.7 14.7 22.1#

179 0.0 12.8 19.2#



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

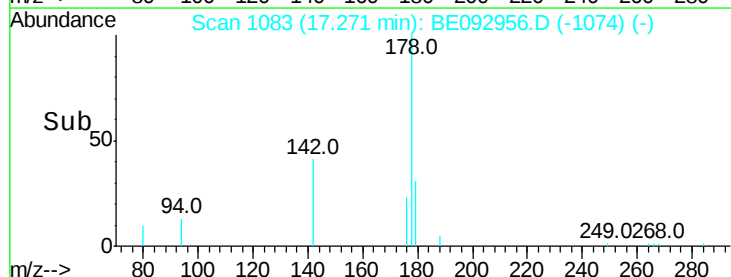
17.27

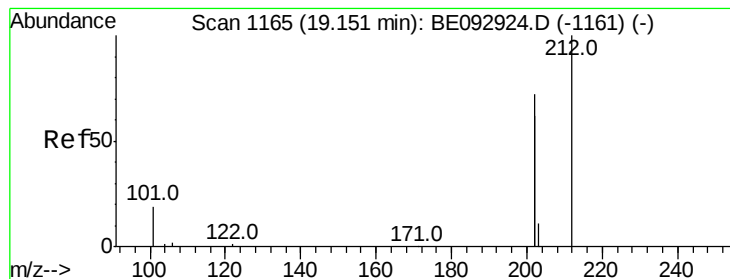
400

200

0

Time-->





#24

Fluoranthene-d10

Concen: 0.47 ng

RT: 19.15 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

Instrument :

BNA_E

ClientSampled :

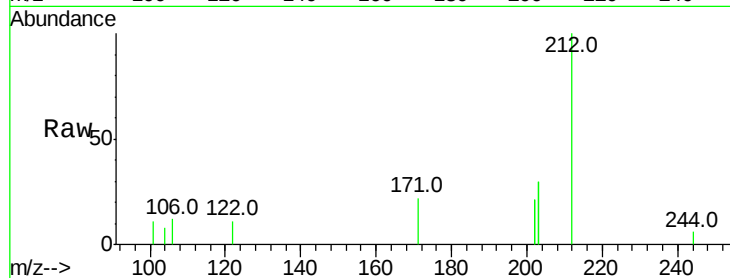
Tot Ion:212 Resp: 5794

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

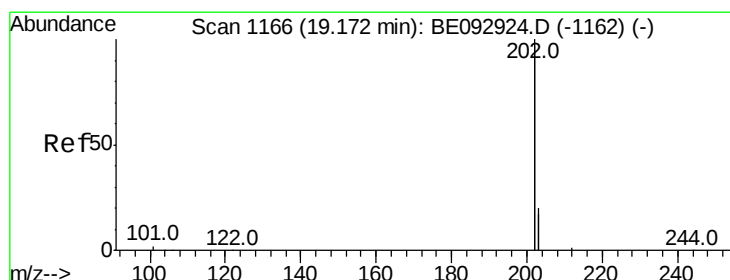
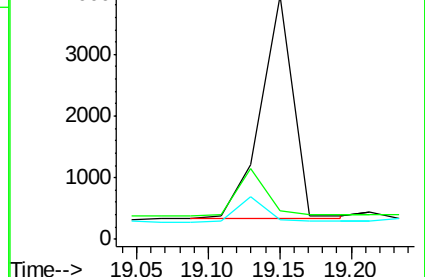
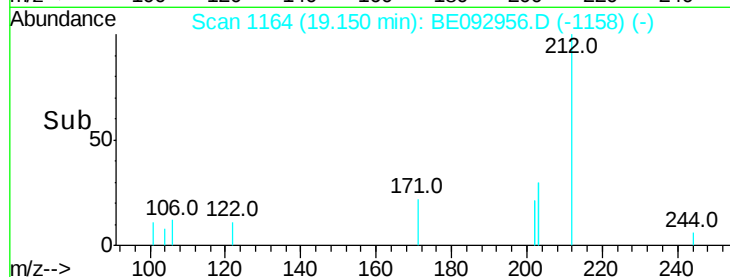
104 0.0 0.0 0.0



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: 0.05 ng

RT: 19.17 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

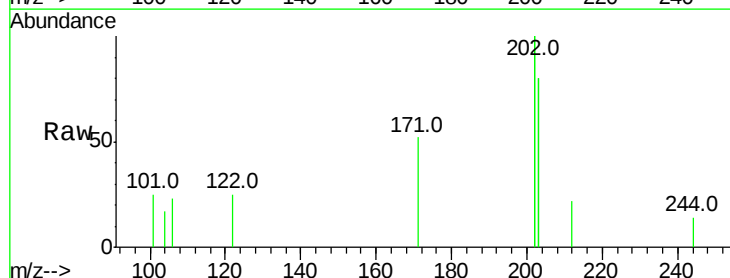
Tgt Ion:202 Resp: 3169

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

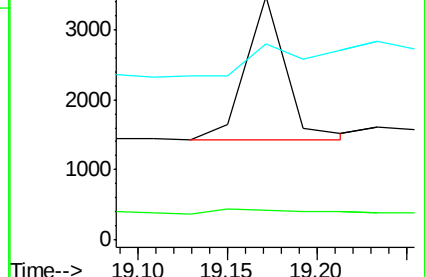
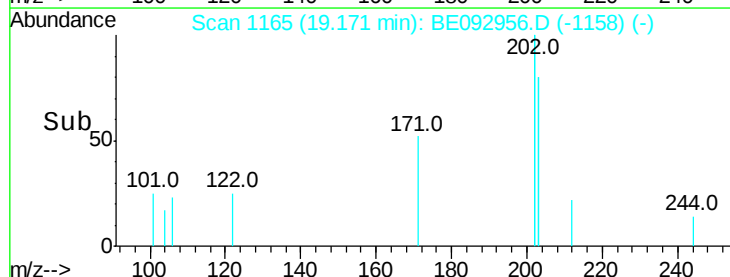
203 0.0 15.3 22.9#

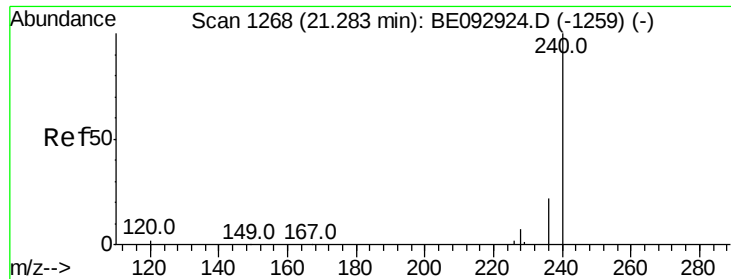


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

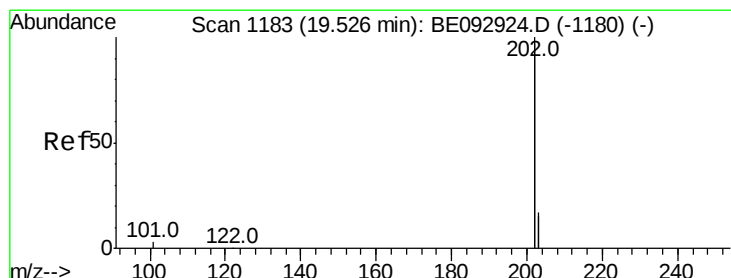
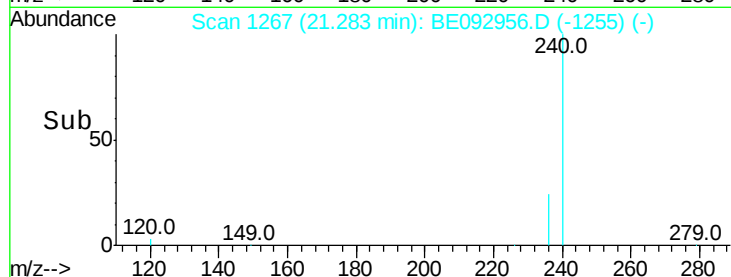
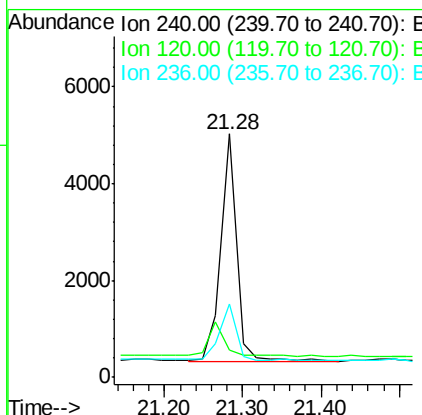
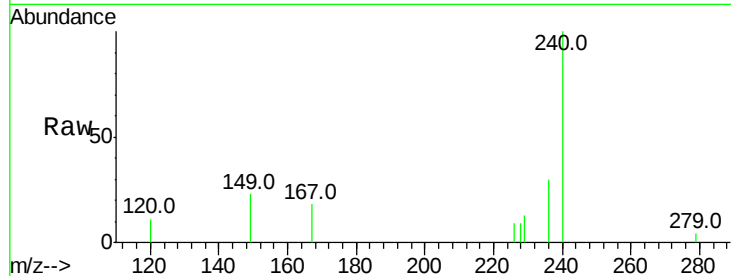




#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BE092956.D
Acq: 6 May 2017 7:36

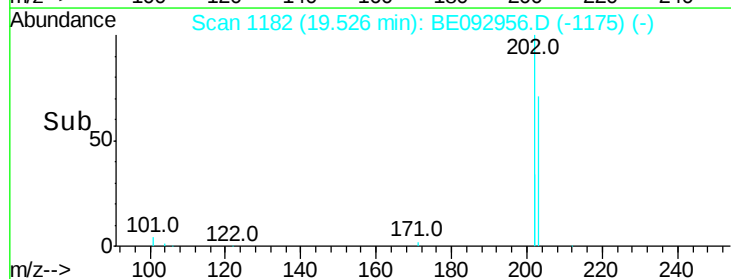
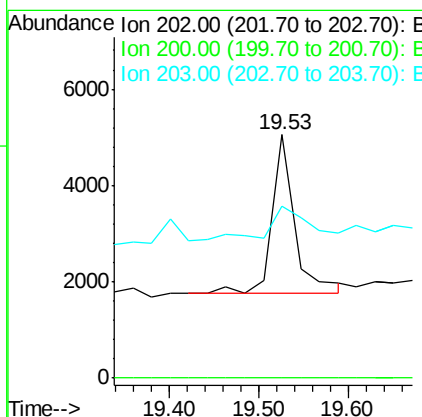
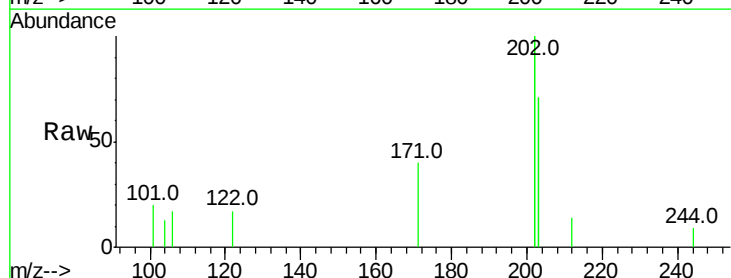
Instrument :
BNA_E
ClientSampleId :

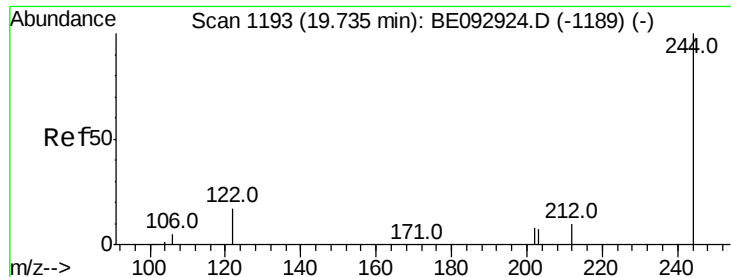
Tot Ion:240 Resp: 6448
Ion Ratio Lower Upper
240 100
120 11.5 4.6 6.8#
236 30.3 19.8 29.8#



#27
Pyrene
Concen: 0.07 ng
RT: 19.53 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE092956.D
Acq: 6 May 2017 7:36

Tgt Ion:202 Resp: 5908
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 33.8 13.5 20.3#





#28

Terphenyl-d14

Concen: 0.38 ng

RT: 19.73 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

Instrument :

BNA_E

ClientSampled :

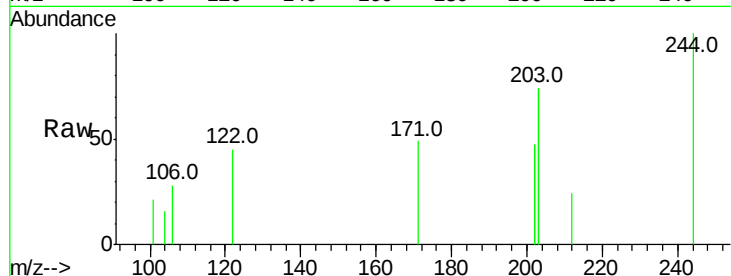
Tot Ion:244 Resp: 4329

Ion Ratio Lower Upper

244 100

212 24.4 18.4 27.6

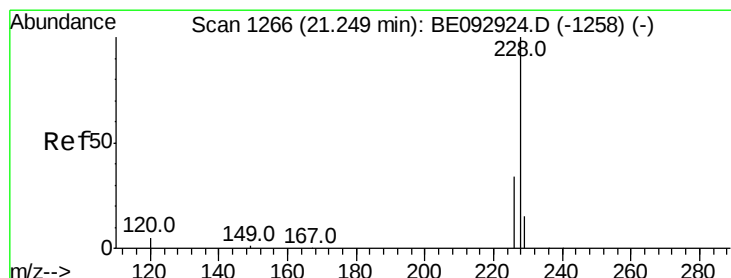
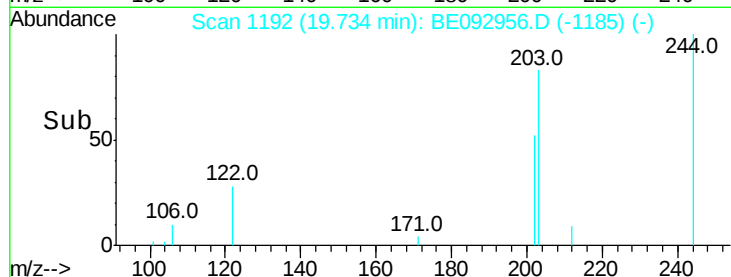
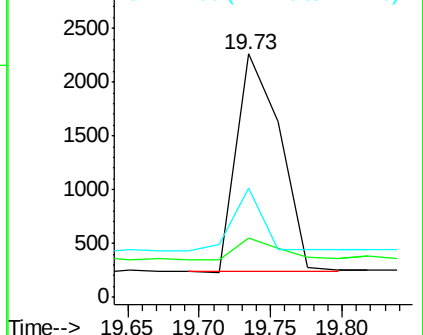
122 44.7 23.3 34.9#



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: 0.02 ng

RT: 21.27 min Scan# 1266

Delta R.T. 0.02 min

Lab File: BE092956.D

Acq: 6 May 2017 7:36

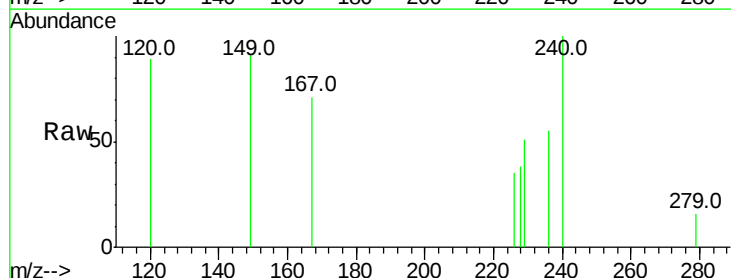
Tgt Ion:228 Resp: 376

Ion Ratio Lower Upper

228 100

226 93.1 32.0 48.0#

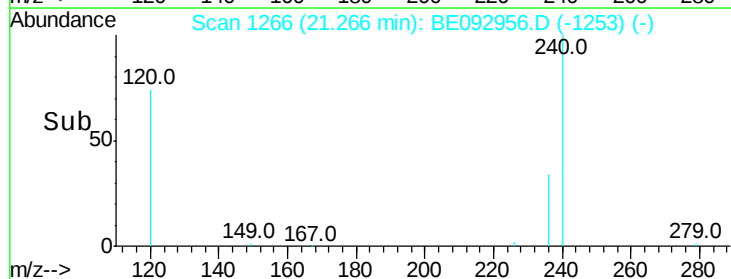
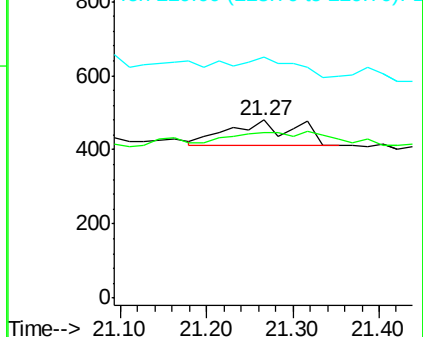
229 135.8 21.4 32.0#

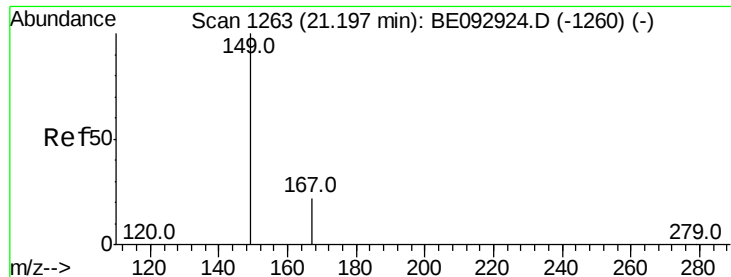


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

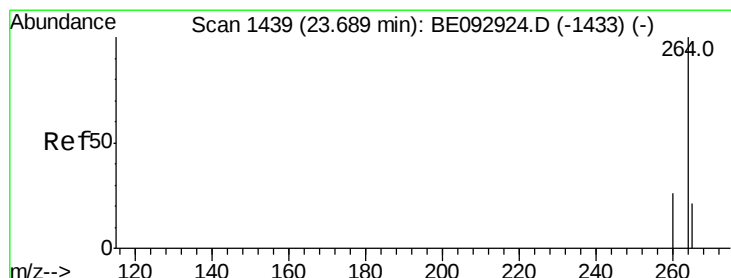
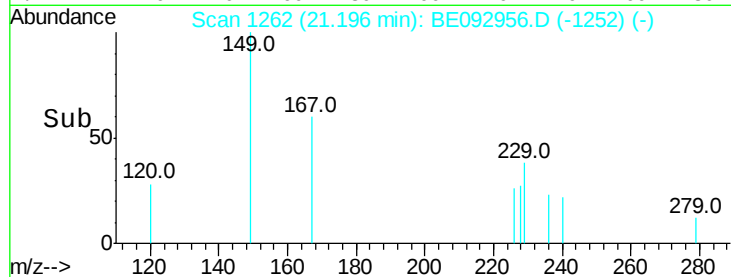
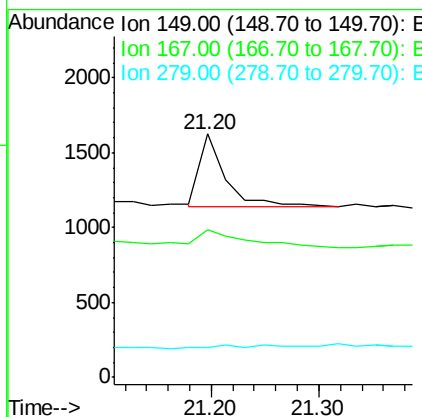
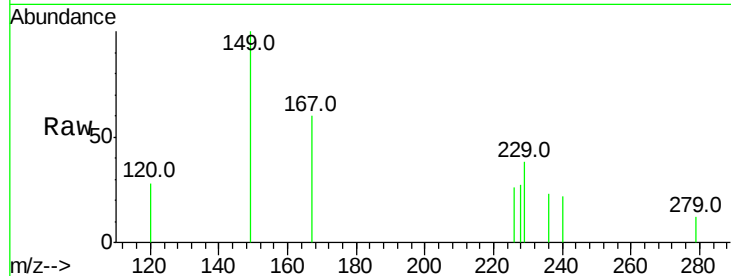




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.20 ng
 RT: 21.20 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BE092956.D
 Acq: 6 May 2017 7:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 808
 Ion Ratio Lower Upper
 149 100
 167 0.0 20.9 31.3#
 279 0.0 0.0 0.0



#33
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.70 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BE092956.D
 Acq: 6 May 2017 7:36

Tgt Ion:264 Resp: 5361
 Ion Ratio Lower Upper
 264 100
 260 28.8 23.5 35.3
 265 36.5 27.2 40.8

