

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050517\
 Data File : BE092950.D
 Acq On : 6 May 2017 3:50
 Operator : SJ/MA
 Sample : I2893-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 06 05:11:22 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	724	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3031	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	563	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2939	0.40	ng	0.00
26) Chrysene-d12	21.28	240	534	0.40	ng	0.00
33) Perylene-d12	23.70	264	16	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	300	0.19	ng	0.00
5) Phenol-d6	6.94	99	462	0.20	ng	0.00
8) Nitrobenzene-d5	8.90	82	878	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1717	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	138	1.57	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2563	0.99	ng	0.00
24) Fluoranthene-d10	19.15	212	820	0.12	ng	0.00
28) Terphenyl-d14	19.74	244	1902	2.04	ng	0.00

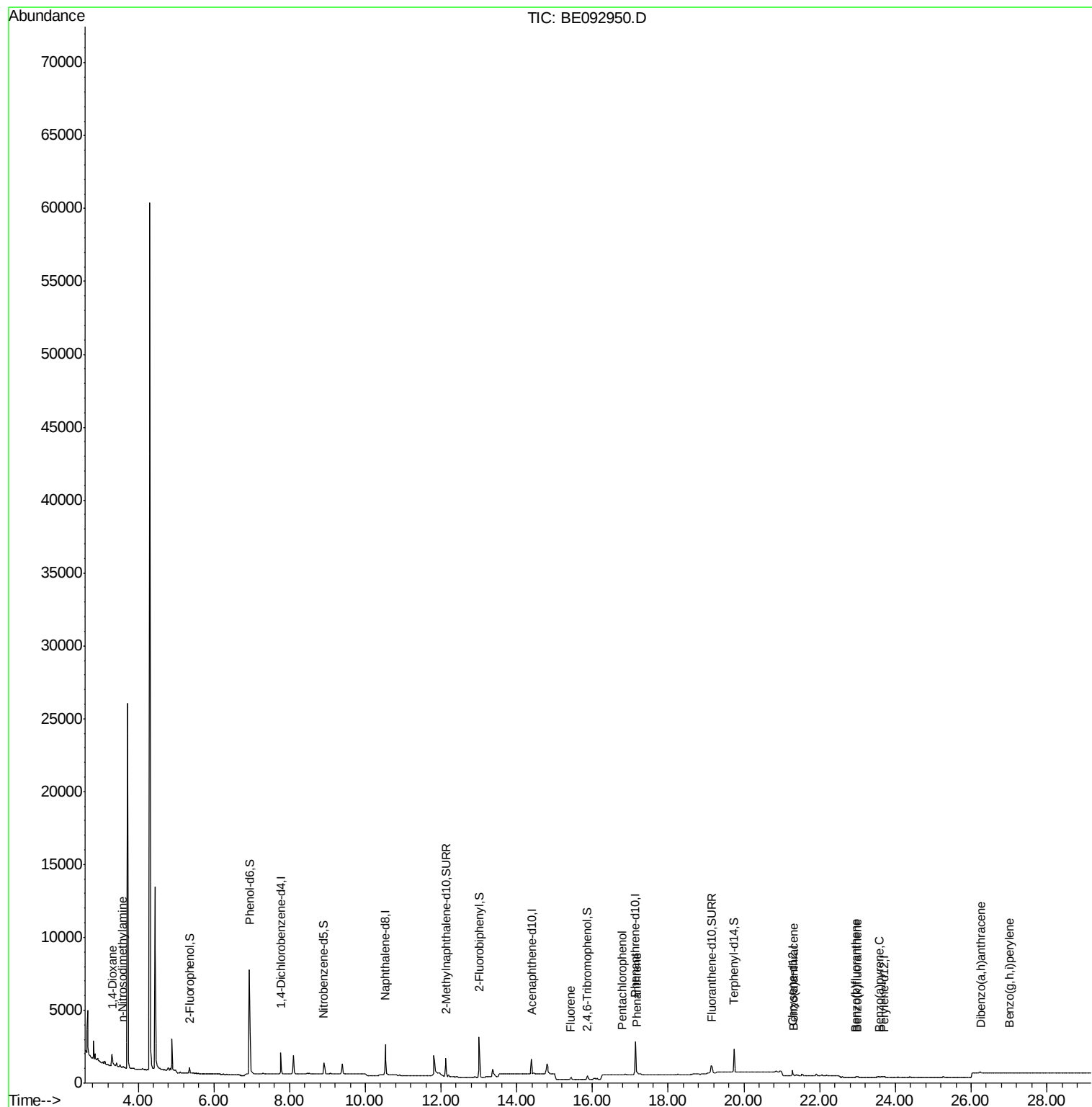
Target Compounds						Qvalue
2) 1,4-Dioxane	3.32	88	781	0.56	ng	97
3) n-Nitrosodimethylamine	3.59	42	25	0.02	ng	# 6
18) Fluorene	15.43	166	93	0.04	ng	92
21) Pentachlorophenol	16.79	266	4	0.16	ng	94
22) Phenanthrene	17.18	178	241	0.03	ng	# 89
29) Benzo(a)anthracene	21.32	228	30	0.02	ng	# 1
34) Benzo(b)fluoranthene	22.95	252	30	0.57	ng	# 1
35) Benzo(k)fluoranthene	22.99	252	15	0.29	ng	# 1
36) Benzo(a)pyrene	23.58	252	9	0.21	ng	# 1
37) Dibenzo(a,h)anthracene	26.25	278	20	0.42	ng	# 1
38) Benzo(a,h,i)perylene	27.00	276	47	0.23	ng	# 1

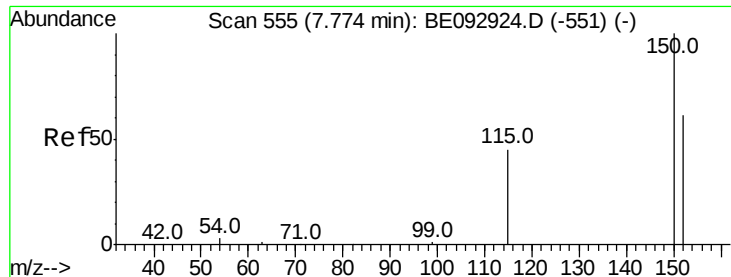
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092950.D

Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampled :

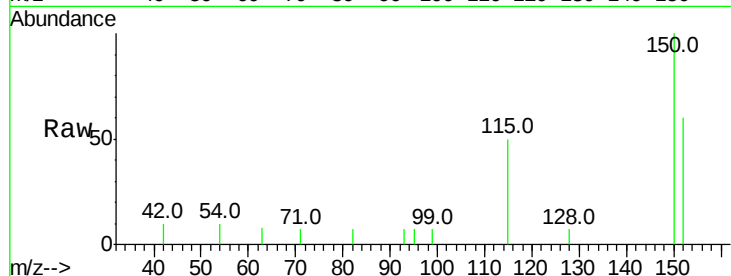
Tot Ion:152 Resp: 724

Ion Ratio Lower Upper

152 100

150 166.4 129.9 194.9

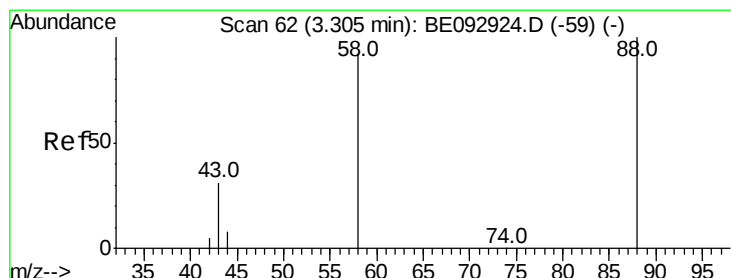
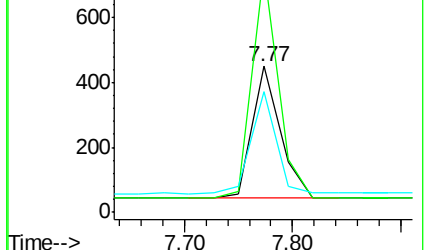
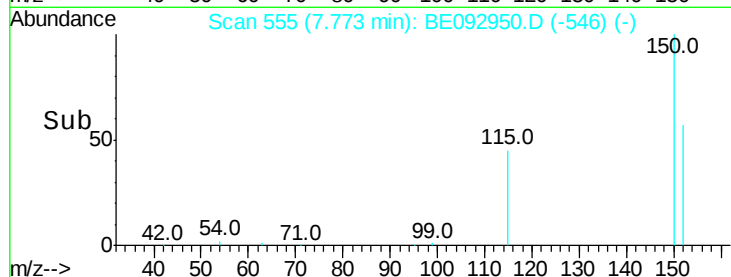
115 82.9 62.6 93.8



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: 0.56 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

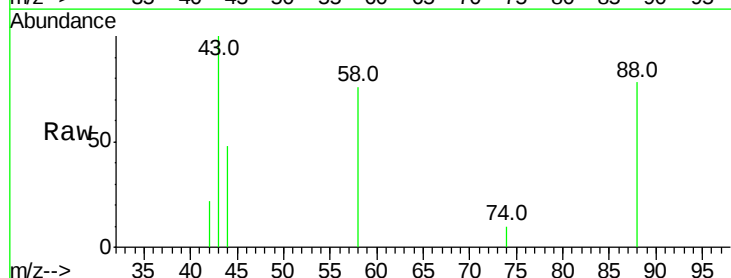
Tgt Ion: 88 Resp: 781

Ion Ratio Lower Upper

88 100

58 79.6 64.9 97.3

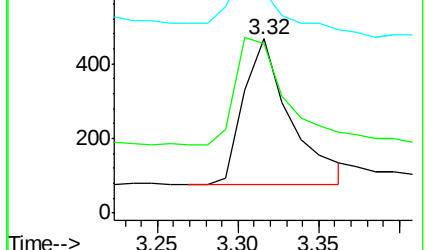
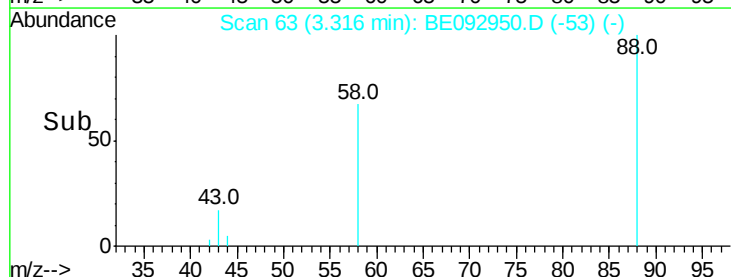
43 36.4 26.6 40.0

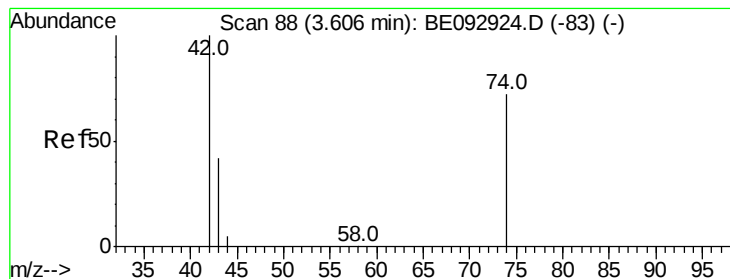


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampleId :

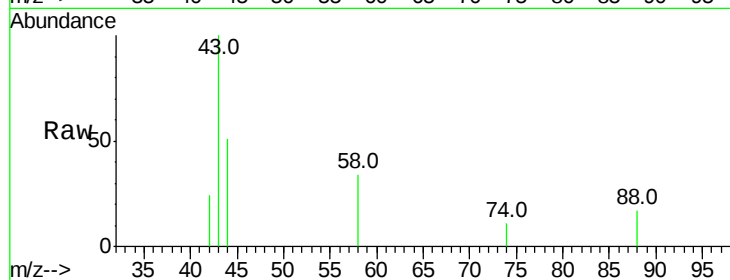
Tot Ion: 42 Resp: 25

Ion Ratio Lower Upper

42 100

74 12.0 106.6 160.0#

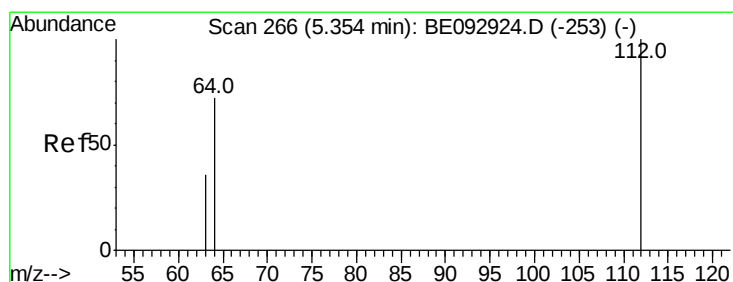
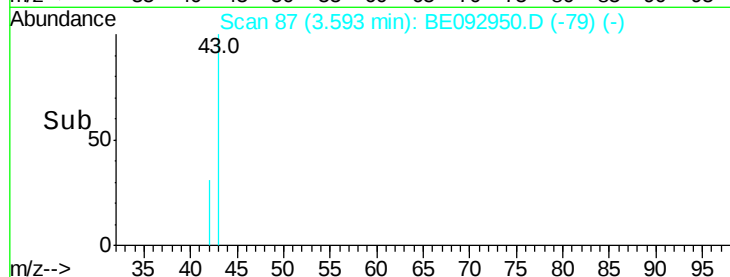
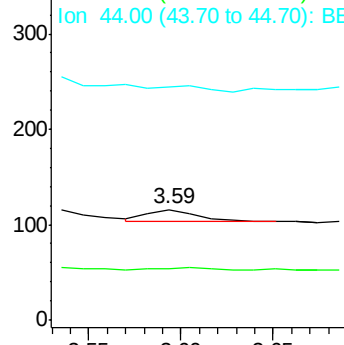
44 0.0 25.7 38.5#



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: 0.19 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.01 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

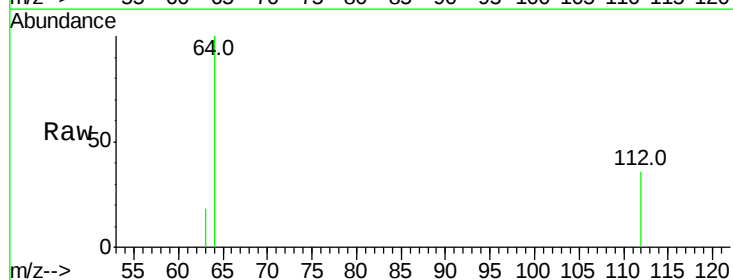
Tgt Ion: 112 Resp: 300

Ion Ratio Lower Upper

112 100

64 73.0 52.6 79.0

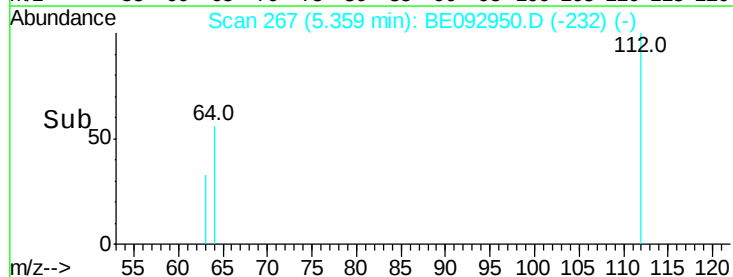
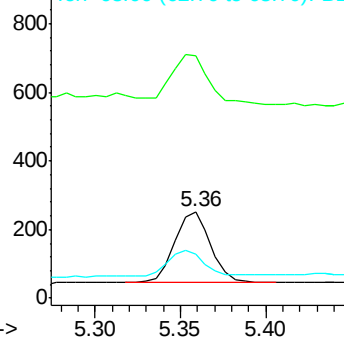
63 37.7 29.0 43.4

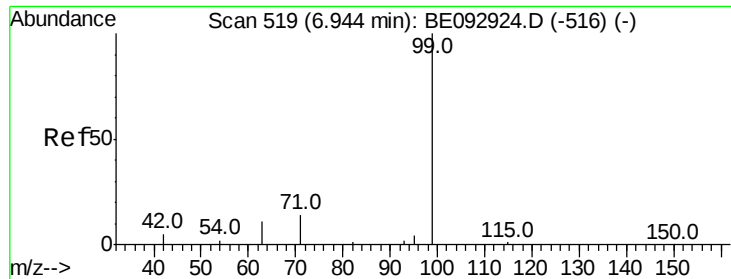


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.20 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampleId :

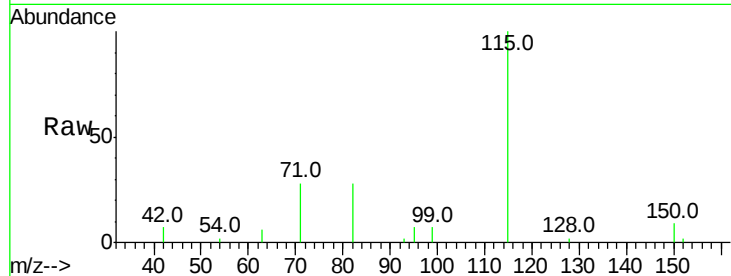
Tot Ion: 99 Resp: 462

Ion Ratio Lower Upper

99 100

42 77.7 0.0 0.0#

71 366.2 0.0 0.0#

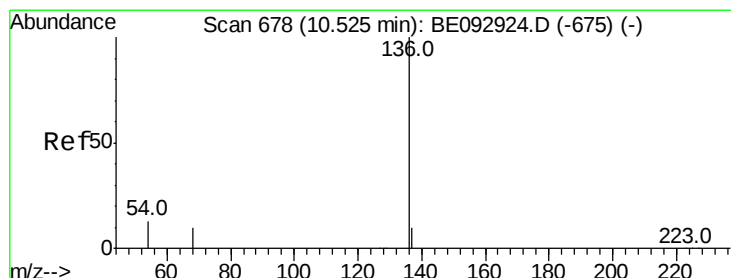
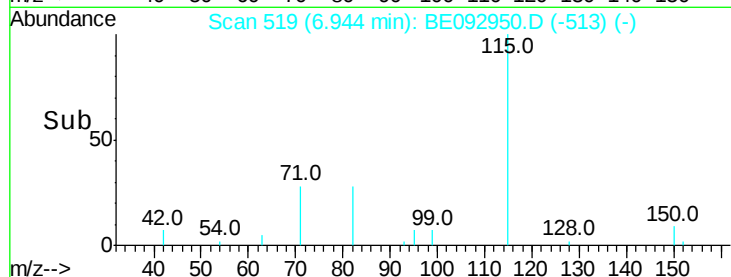
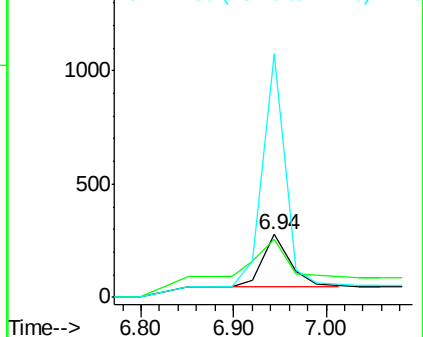


Abundance

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: BE092950.D

Acq: 6 May 2017 3:50

Tgt Ion: 136 Resp: 3031

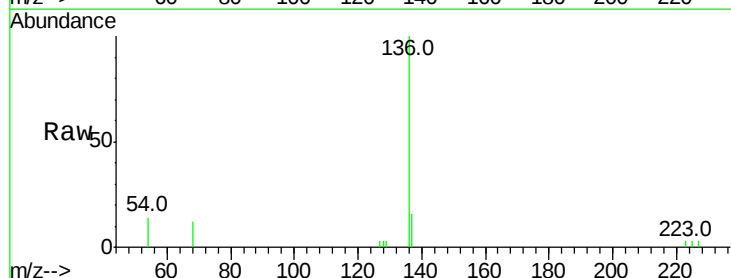
Ion Ratio Lower Upper

136 100

137 16.2 10.4 15.6#

54 14.4 12.6 18.8

68 12.3 10.7 16.1



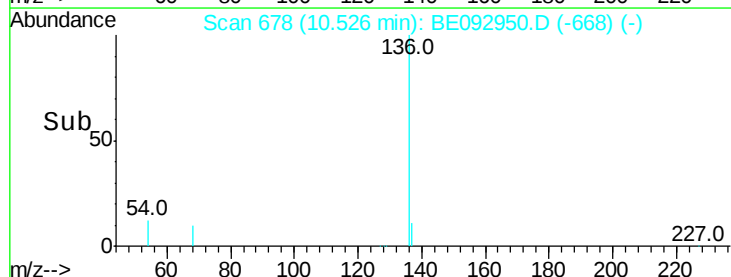
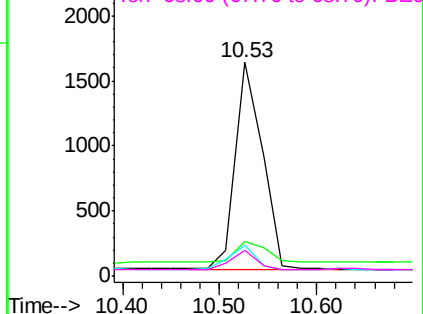
Abundance

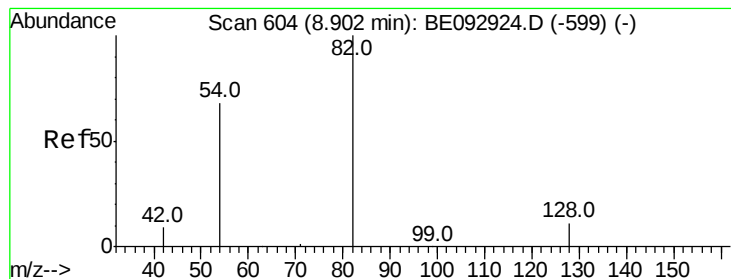
Ion 136.00 (135.70 to 136.70): E

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: 0.43 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampleId :

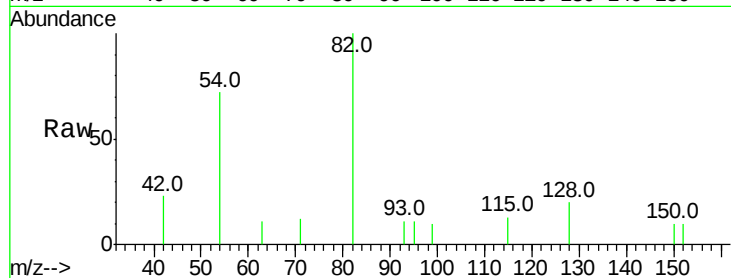
Tot Ion: 82 Resp: 878

Ion Ratio Lower Upper

82 100

128 20.4 35.3 52.9#

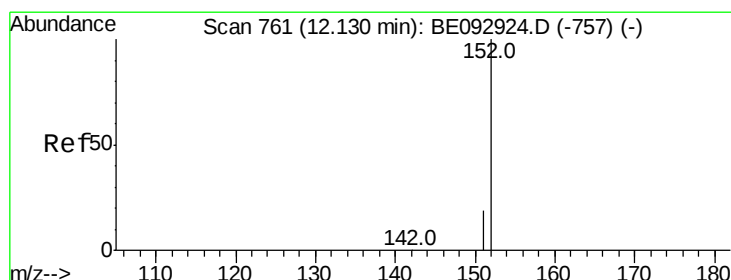
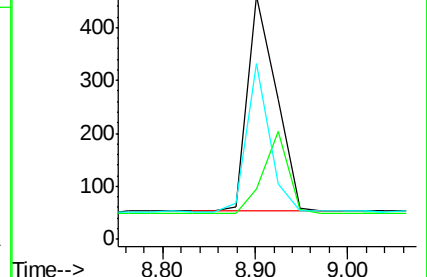
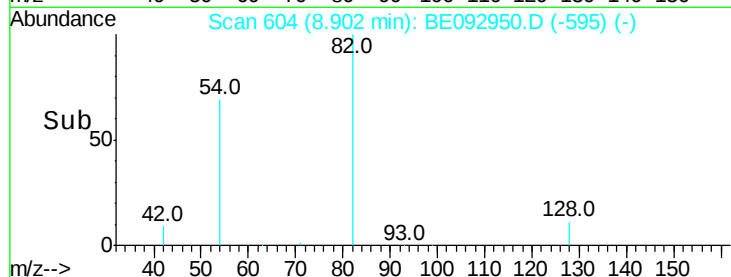
54 72.2 65.1 97.7



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) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092950.D

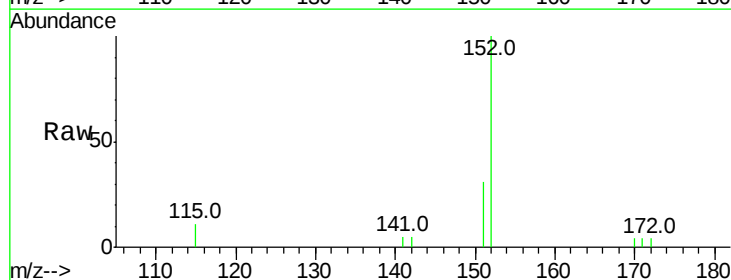
Acq: 6 May 2017 3:50

Tgt Ion: 152 Resp: 1717

Ion Ratio Lower Upper

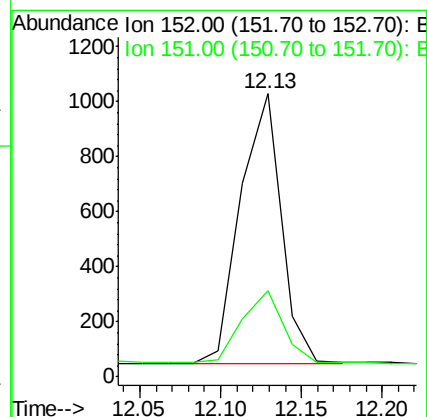
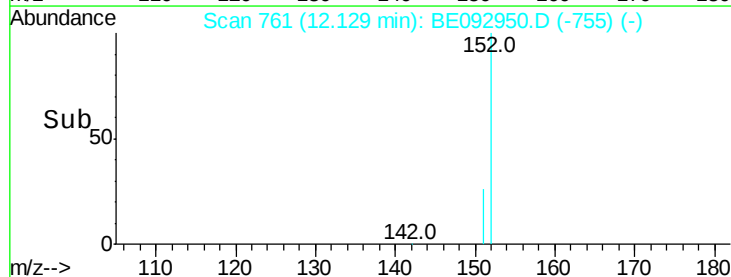
152 100

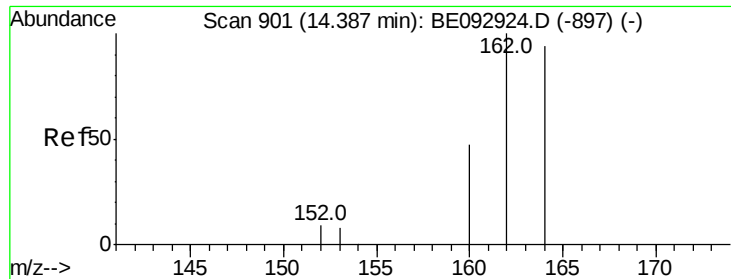
151 27.2 15.7 23.5#



Abundance Ion 152.00 (151.70 to 152.70): BE092924.D (-757) (-)

Ion 151.00 (150.70 to 151.70): BE092924.D (-757) (-)

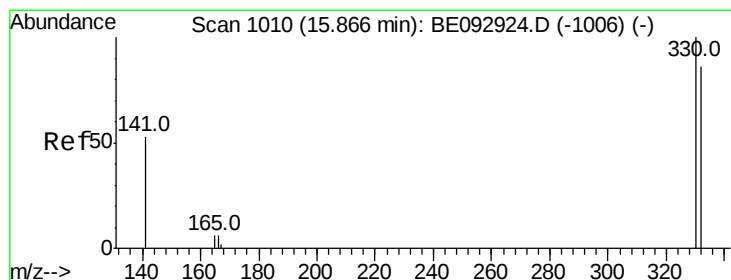
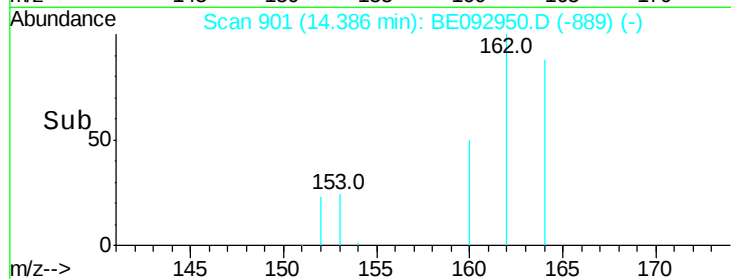
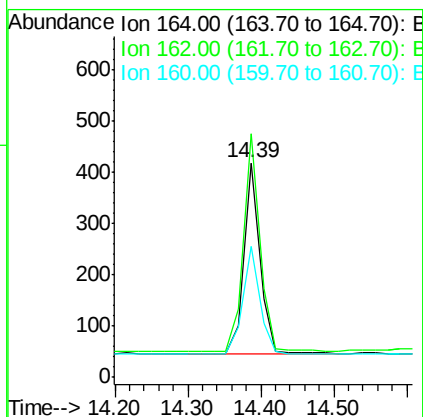
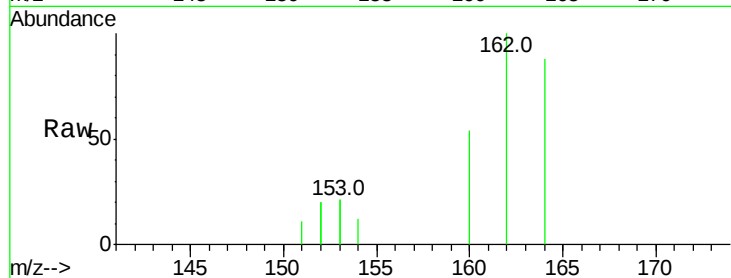




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE092950.D
Acq: 6 May 2017 3:50

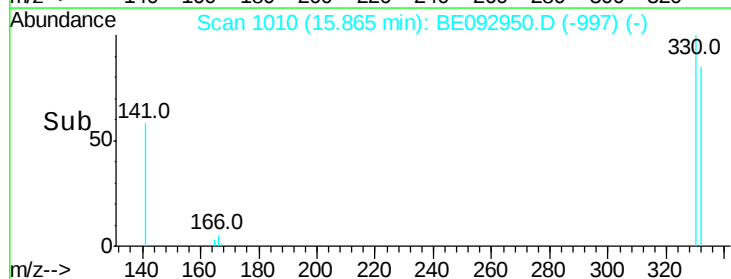
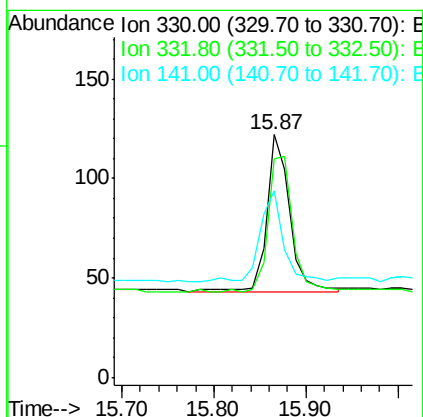
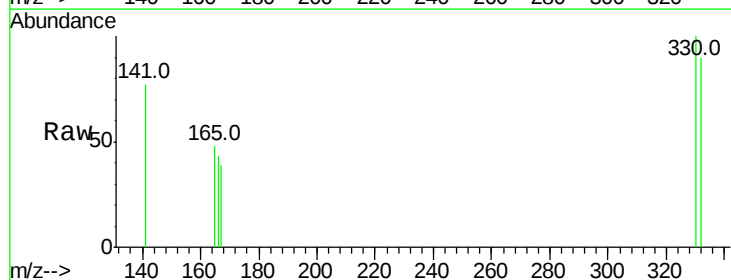
Instrument :
BNA_E
ClientSampleId :

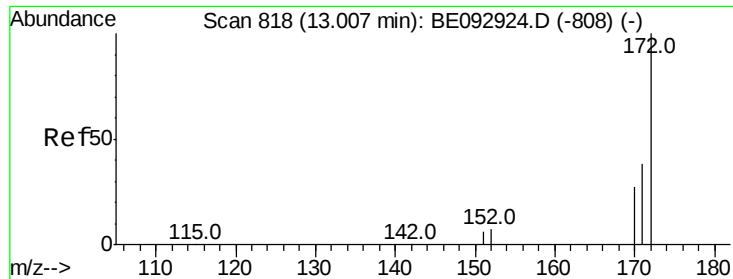
Tot Ion:164 Resp: 563
Ion Ratio Lower Upper
164 100
162 113.4 86.6 130.0
160 61.2 44.5 66.7



#14
2,4,6-Tribromophenol
Concen: 1.57 ng
RT: 15.87 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BE092950.D
Acq: 6 May 2017 3:50

Tgt Ion:330 Resp: 138
Ion Ratio Lower Upper
330 100
332 92.0 69.1 103.7
141 59.4 54.6 81.8

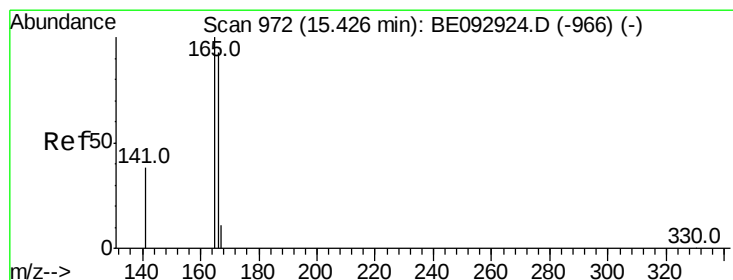
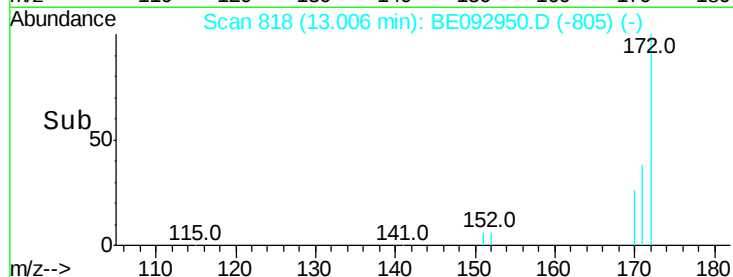
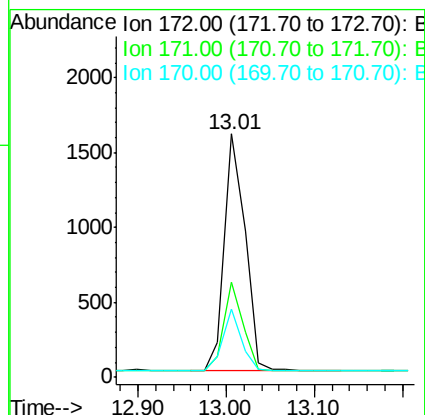
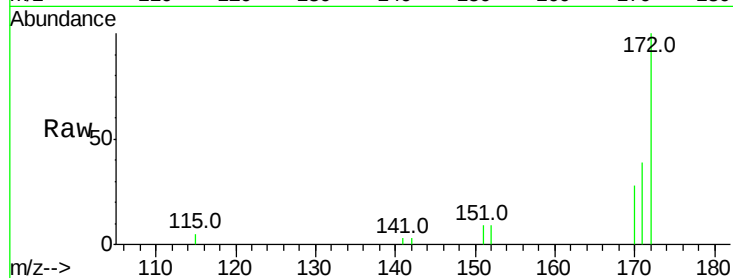




#15
2-Fluorobiphenyl
Concen: 0.99 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092950.D
Acq: 6 May 2017 3:50

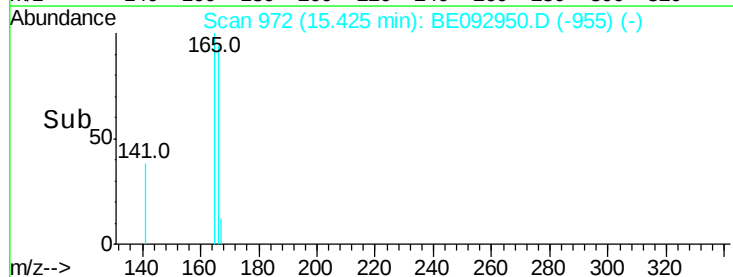
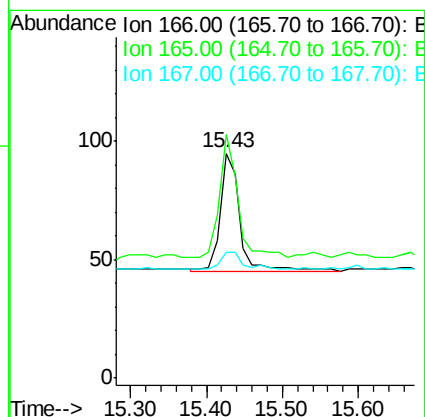
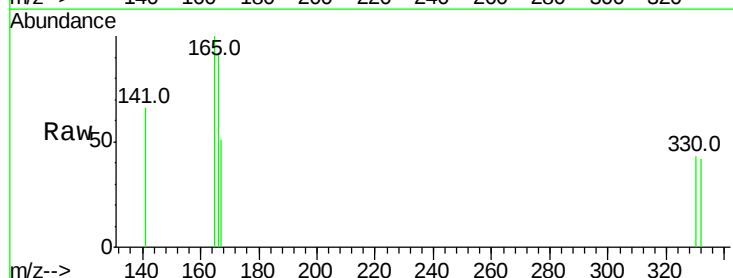
Instrument :
BNA_E
ClientSampleId :

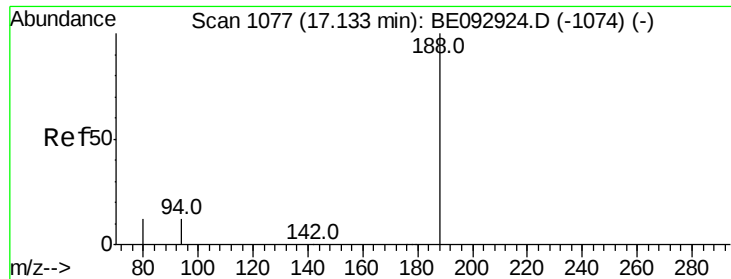
Tot Ion:172 Resp: 2563
Ion Ratio Lower Upper
172 100
171 39.3 35.8 53.6
170 28.2 28.5 42.7#



#18
Fluorene
Concen: 0.04 ng
RT: 15.43 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE092950.D
Acq: 6 May 2017 3:50

Tgt Ion:166 Resp: 93
Ion Ratio Lower Upper
166 100
165 92.5 80.7 121.1
167 16.1 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: BE092950.D

Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampleId :

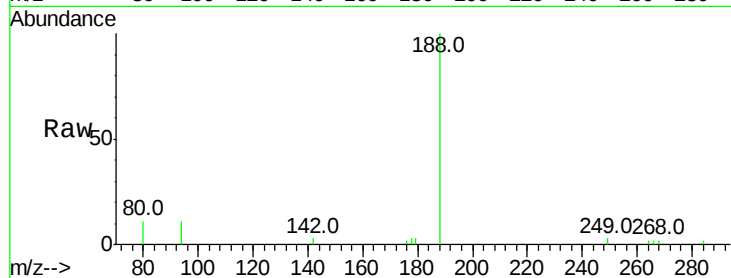
Tot Ion:188 Resp: 2939

Ion Ratio Lower Upper

188 100

94 11.4 10.2 15.4

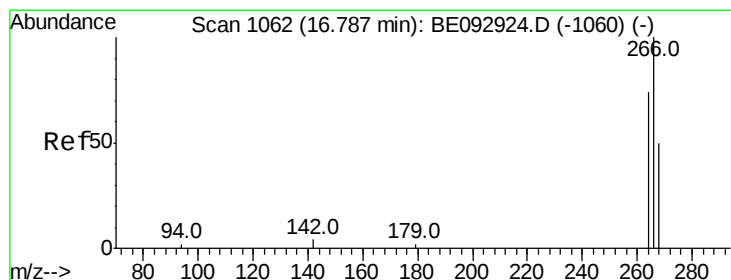
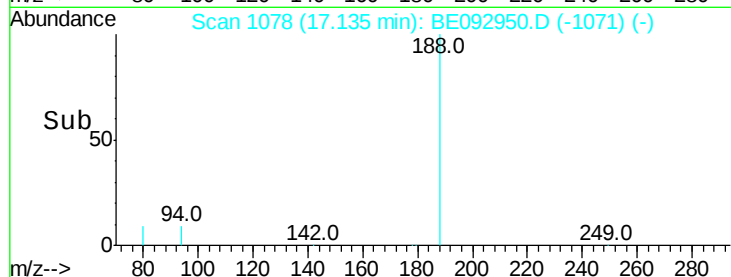
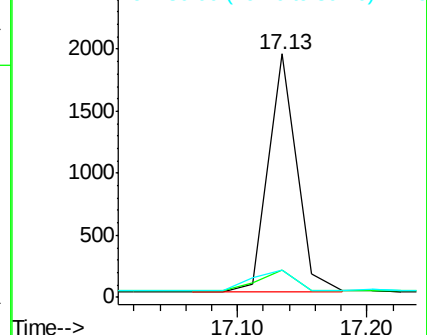
80 11.4 10.6 15.8



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: 0.16 ng

RT: 16.79 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

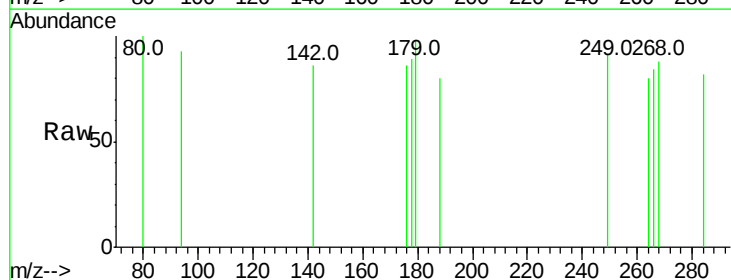
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 95.7 75.4 113.2

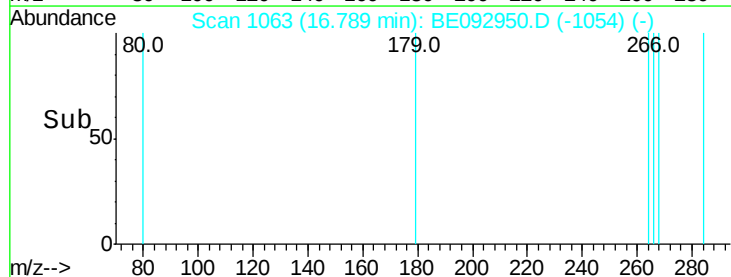
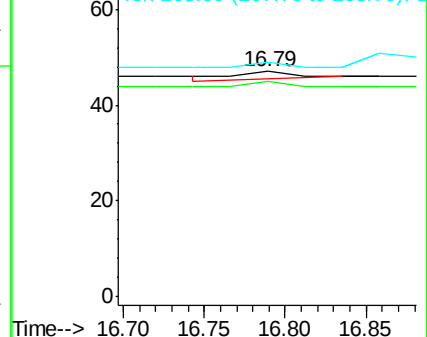
268 104.3 75.4 113.2

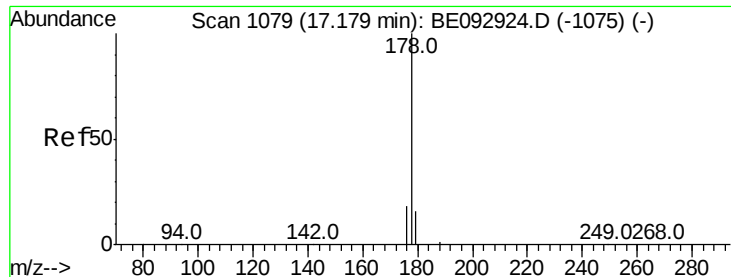


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#22

Phenanthrene

Concen: 0.03 ng

RT: 17.18 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampleId :

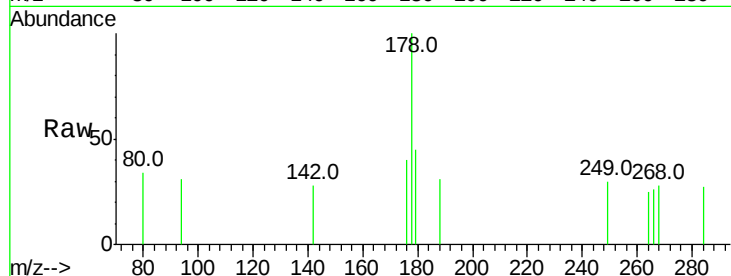
Tot Ion:178 Resp: 241

Ion Ratio Lower Upper

178 100

176 24.1 14.2 21.4#

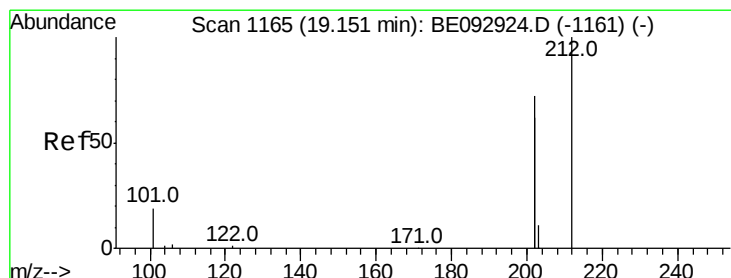
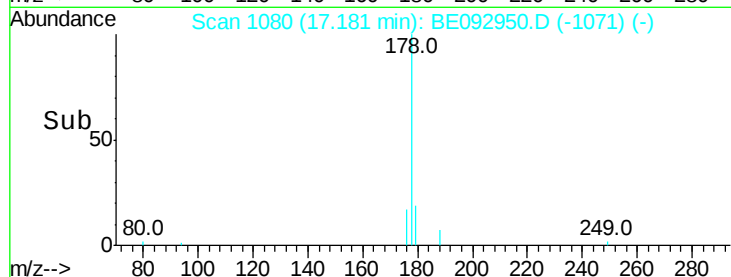
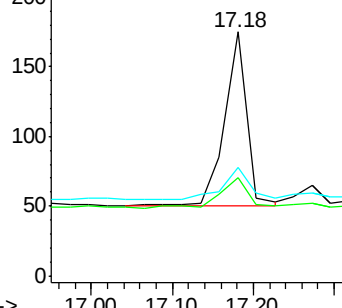
179 20.7 13.6 20.4#



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



#24

Fluoranthene-d10

Concen: 0.12 ng

RT: 19.15 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

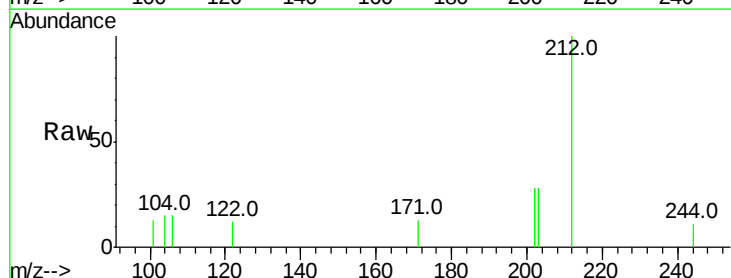
Tgt Ion:212 Resp: 820

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

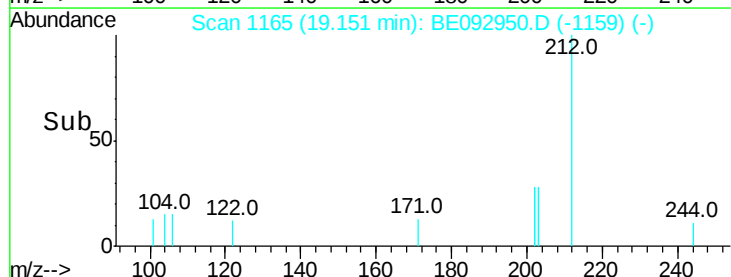
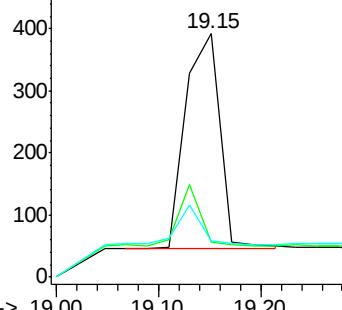
104 0.0 0.0 0.0

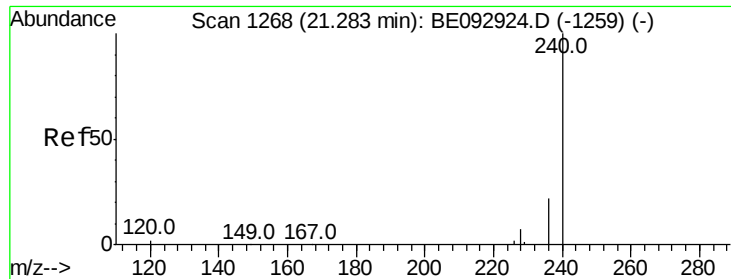


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

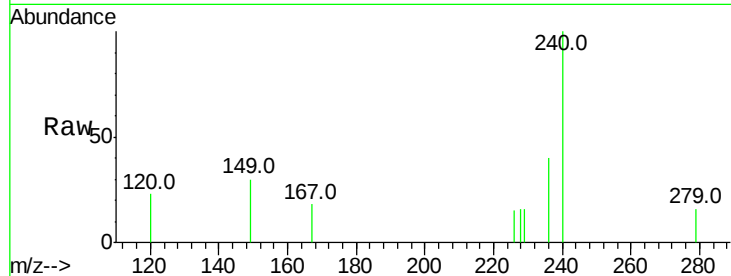




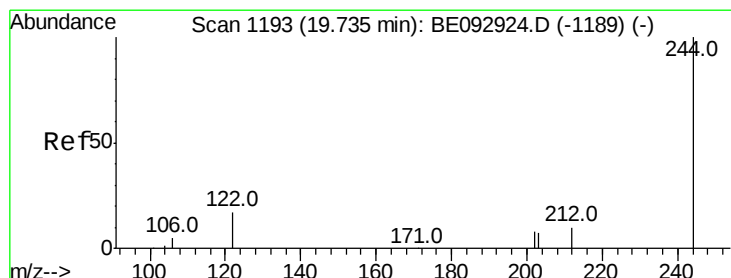
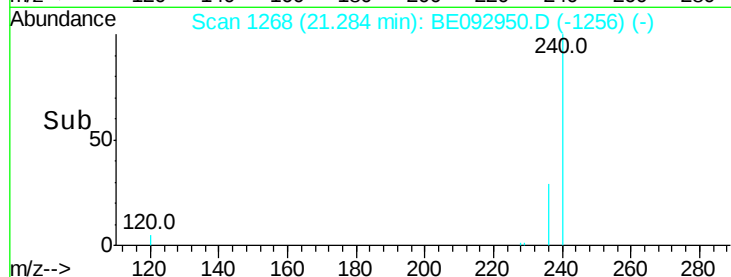
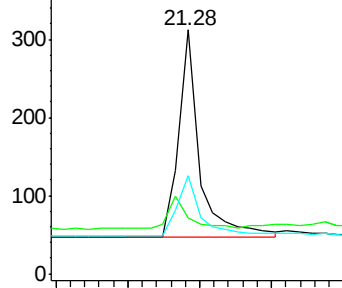
#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BE092950.D
Acq: 6 May 2017 3:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 534
Ion Ratio Lower Upper
240 100
120 23.1 4.6 6.8#
236 40.4 19.8 29.8#

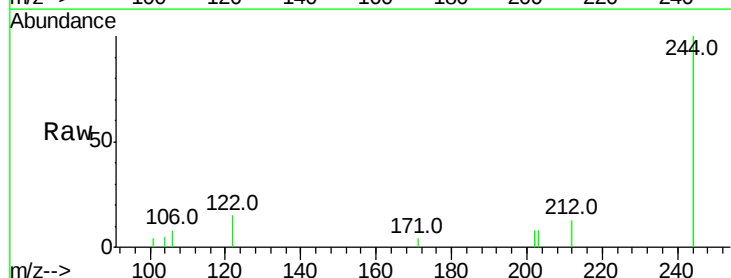


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

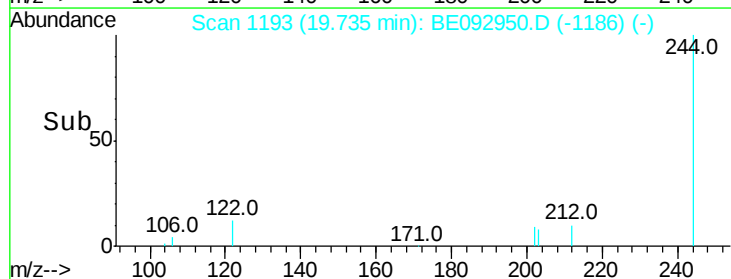
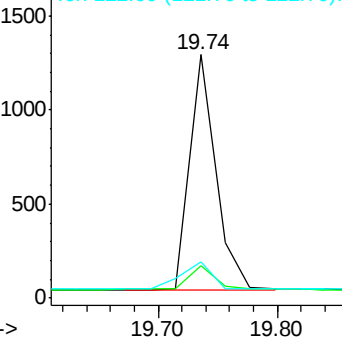


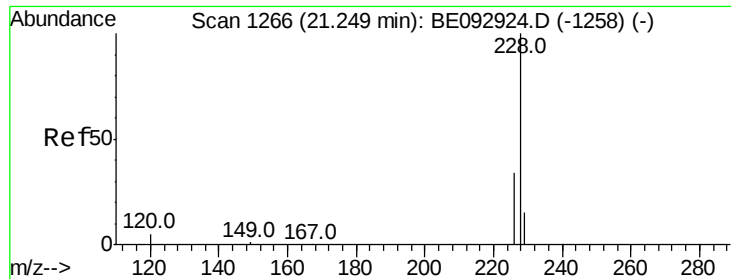
#28
Terphenyl-d14
Concen: 2.04 ng
RT: 19.74 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE092950.D
Acq: 6 May 2017 3:50

Tgt Ion:244 Resp: 1902
Ion Ratio Lower Upper
244 100
212 13.2 18.4 27.6#
122 15.1 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: 21.32 min Scan# 1270

Delta R.T. 0.07 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampleId :

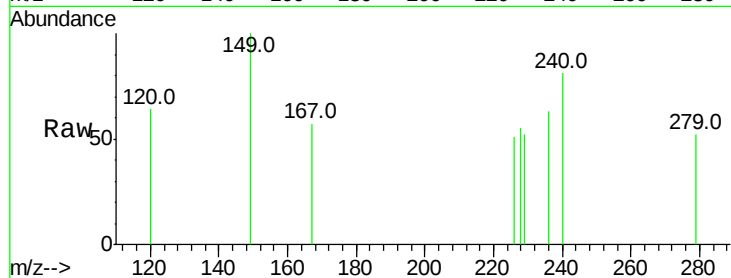
Tot Ion:228 Resp: 30

Ion Ratio Lower Upper

228 100

226 92.5 32.0 48.0#

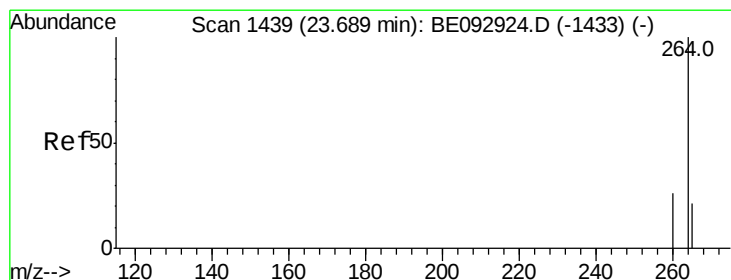
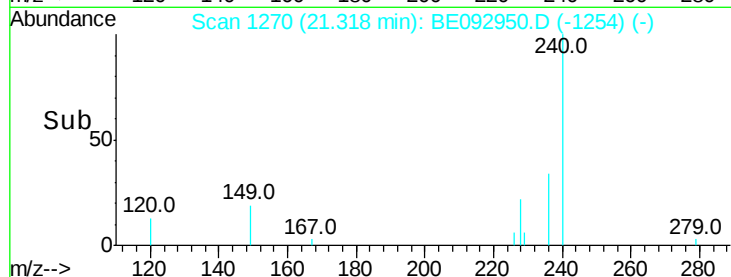
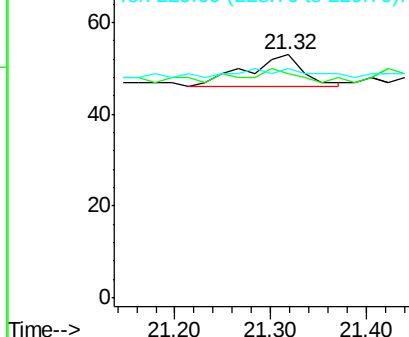
229 94.3 21.4 32.0#



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



#33

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

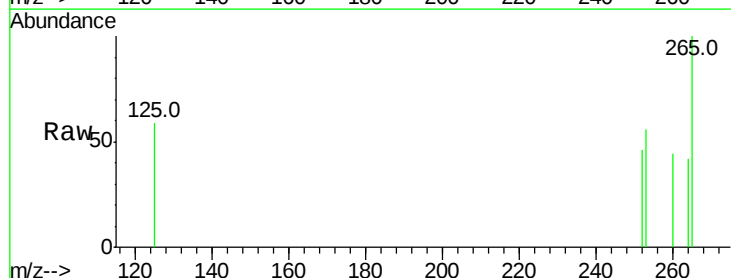
Tgt Ion:264 Resp: 16

Ion Ratio Lower Upper

264 100

260 103.8 23.5 35.3#

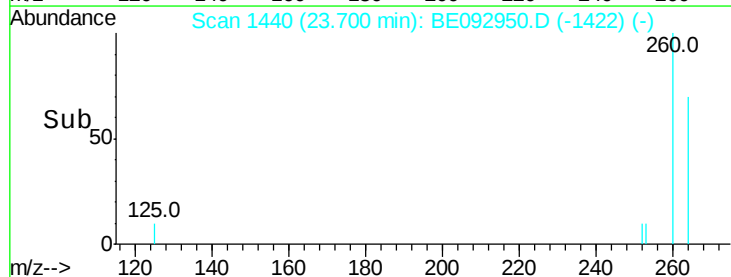
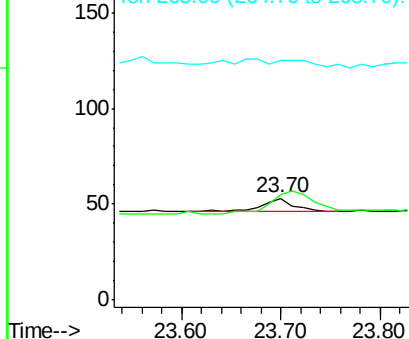
265 235.8 27.2 40.8#

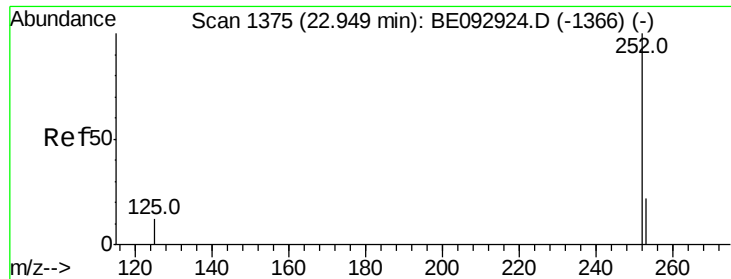


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

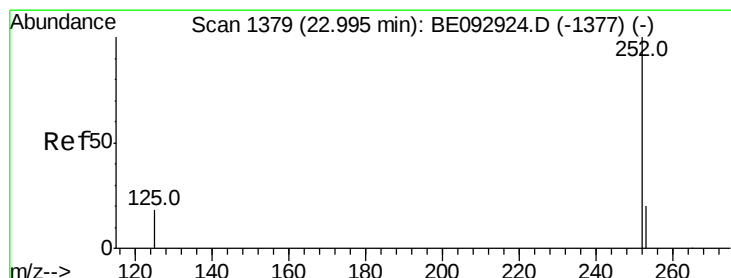
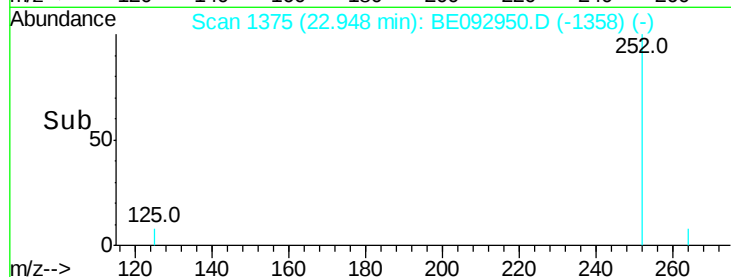
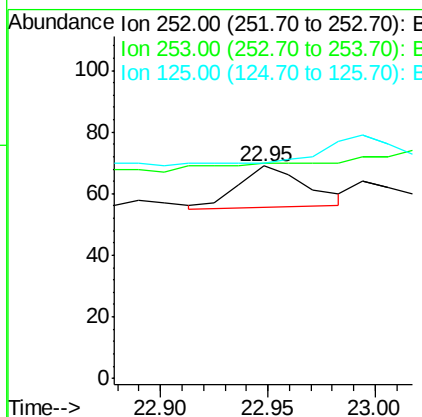
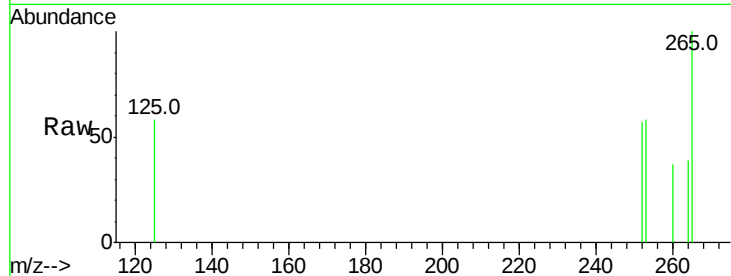




#34
Benzo(b)fluoranthene
Concen: 0.57 ng
RT: 22.95 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092950.D
Acq: 6 May 2017 3:50

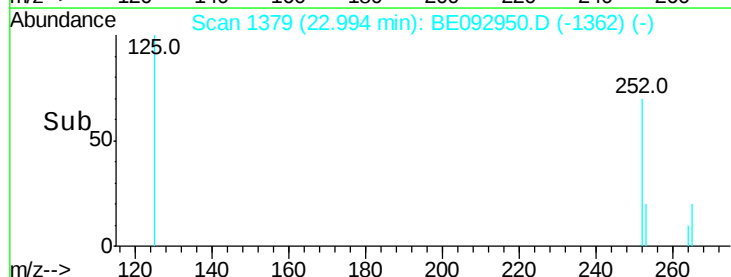
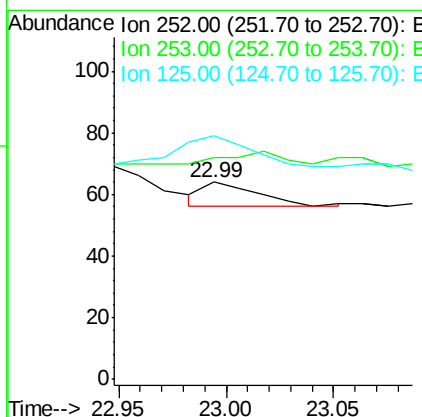
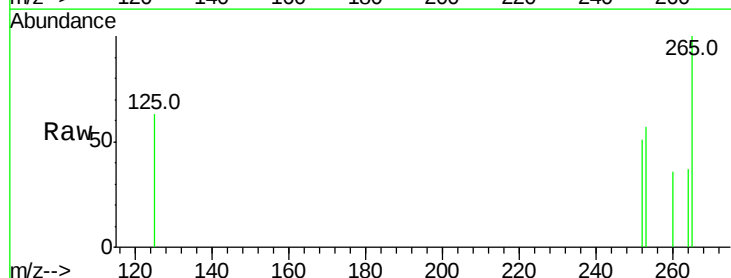
Instrument :
BNA_E
ClientSampleId :

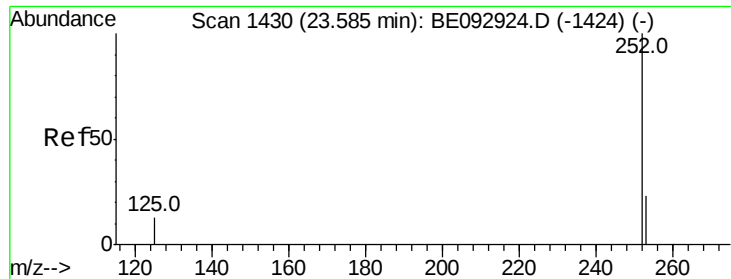
Tot Ion:252 Resp: 30
Ion Ratio Lower Upper
252 100
253 101.4 24.7 37.1#
125 101.4 20.3 30.5#



#35
Benzo(k)fluoranthene
Concen: 0.29 ng
RT: 22.99 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE092950.D
Acq: 6 May 2017 3:50

Tgt Ion:252 Resp: 15
Ion Ratio Lower Upper
252 100
253 112.5 25.8 38.8#
125 123.4 22.9 34.3#





#36

Benzo(a)pyrene

Concen: 0.21 ng

RT: 23.58 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE092950.D

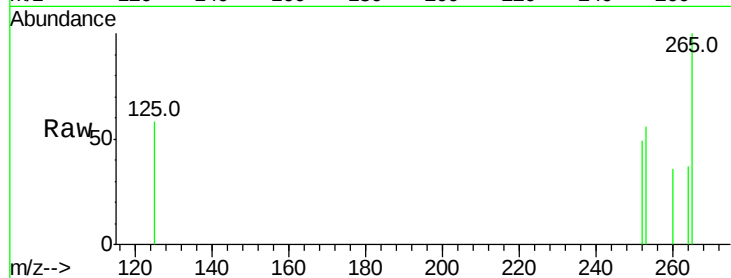
Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampleId :

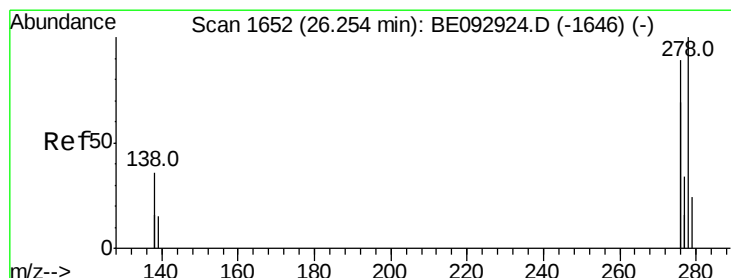
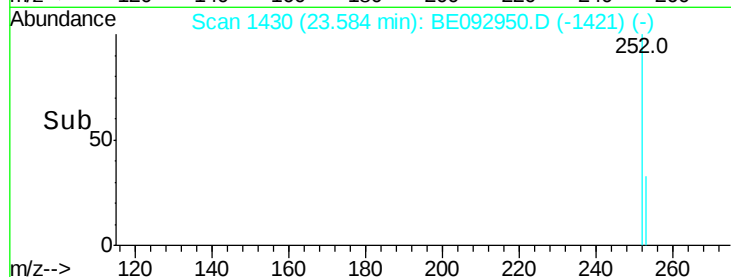
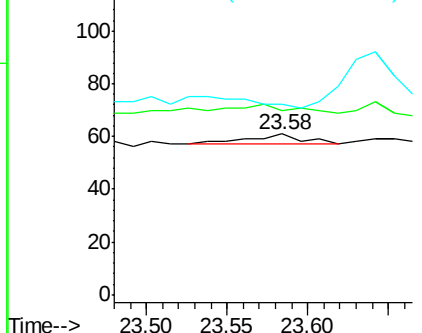
Tot Ion:	252	Resp:	9
Ion	Ratio	Lower	Upper
252	100		
253	114.8	31.3	46.9#
125	118.0	26.4	39.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Dibenzo(a,h)anthracene

Concen: 0.42 ng

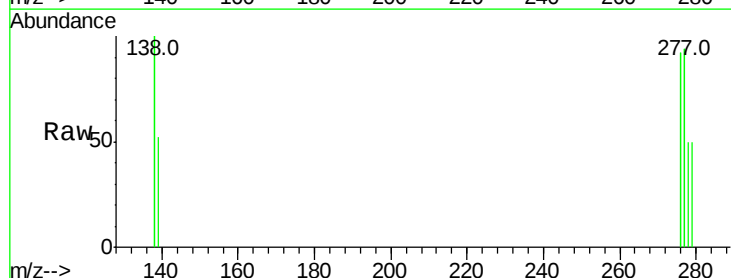
RT: 26.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE092950.D

Acq: 6 May 2017 3:50

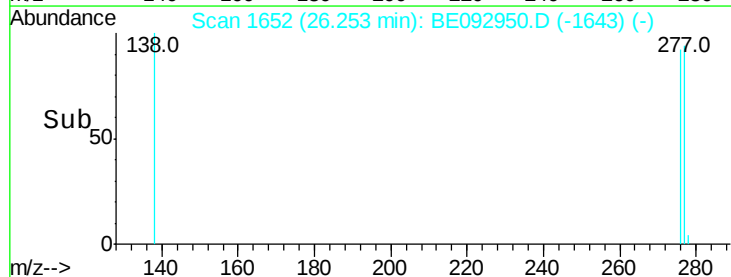
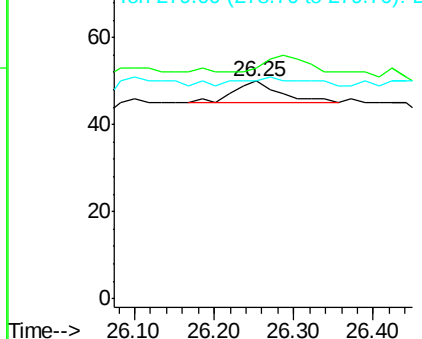
Tgt Ion:	278	Resp:	20
Ion	Ratio	Lower	Upper
278	100		
139	106.0	27.4	41.2#
279	100.0	33.3	49.9#

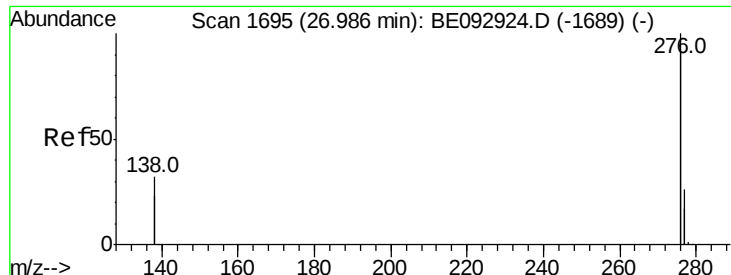


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#38

Benzo(a,h,i)perylene

Concen: 0.23 ng

RT: 27.00 min Scan# 1696

Delta R.T. 0.02 min

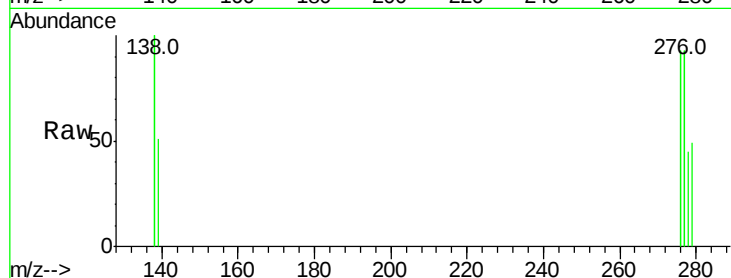
Lab File: BE092950.D

Acq: 6 May 2017 3:50

Instrument :

BNA_E

ClientSampleId :



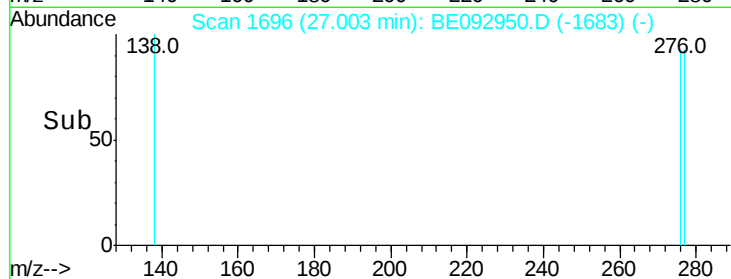
Tot Ion: 276 Resp: 47

Ion Ratio Lower Upper

276 100

277 100.0 29.9 44.9#

138 107.4 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

