

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072716\
 Data File : BE092058.D
 Acq On : 27 Jul 2016 15:52
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072716

Quant Time: Jul 27 17:32:37 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:13:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	8757	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	39206	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	16091	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	52442	5.00	ng	0.00
31) Chrysene-d12	21.76	240	46863	5.00	ng	0.00
40) Perylene-d12	24.15	264	58803	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	695	0.36	ng	-0.02
5) Phenol-d6	7.35	99	845	0.32	ng	0.00
9) Nitrobenzene-d5	9.37	82	957	0.33	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	189	0.43	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	2636	0.41	ng	0.00
34) Terphenyl-d14	20.20	244	3503	0.40	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	493	0.41	ng	96
3) n-Nitrosodimethylamine	3.82	42	525	0.37	ng	# 95
6) bis(2-Chloroethyl)ether	7.61	93	905	0.36	ng	92
7) n-Nitroso-di-n-propylamine	9.00	70	741	0.36	ng	97
10) Nitrobenzene	9.40	77	995	0.35	ng	99
11) bis(2-Chloroethoxy)methane	10.42	93	1135	0.35	ng	# 56
12) Naphthalene	11.04	128	3371	0.39	ng	99
13) Hexachlorobutadiene	11.32	225	514	0.40	ng	# 99
14) 2-Methylnaphthalene	12.66	142	2091	0.38	ng	# 86
18) Acenaphthylene	14.56	152	16158	0.39	ng	99
19) 2,6-Dinitrotoluene	14.44	165	1491	0.42	ng	# 100
20) Acenaphthene	14.92	154	1755	0.40	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	4350	0.84	ng	# 1
22) Fluorene	15.90	166	2716	0.39	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	1421	0.42	ng	# 64
25) 4-Bromophenyl-phenylether	16.78	248	829	0.38	ng	99
26) Hexachlorobenzene	16.90	284	881	0.39	ng	100
27) Pentachlorophenol	17.25	266	135	0.48	ng	97
28) Phenanthrene	17.63	178	5274	0.40	ng	100
29) Anthracene	17.72	178	4483	0.37	ng	99
30) Fluoranthene	19.63	202	21638	0.36	ng	100
32) Benzidine	19.83	184	712	0.41	ng	100
33) Pyrene	19.99	202	25054	0.41	ng	99
35) Benzo(a)anthracene	21.73	228	16698	0.83	ng	95
36) 3,3'-Dichlorobenzidine	21.67	252	1308	0.46	ng	92
37) Chrysene	21.73	228	16917	1.03	ng	96
38) Bis(2-ethylhexyl)phthalate	21.64	149	18819	0.48	ng	# 97
39) Indeno(1,2,3-cd)pyrene	26.67	276	24726	0.45	ng	99
41) Benzo(b)fluoranthene	23.41	252	7156	0.41	ng	98
42) Benzo(k)fluoranthene	23.46	252	7324	0.41	ng	97
43) Benzo(a)pyrene	24.04	252	5637	0.38	ng	98
44) Dibenzo(a,h)anthracene	26.68	278	4994	0.38	ng	99
45) Benzo(g,h,i)perylene	27.43	276	21267	0.39	ng	98

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QLast Update : Wed Jul 27 17:13:26 2016
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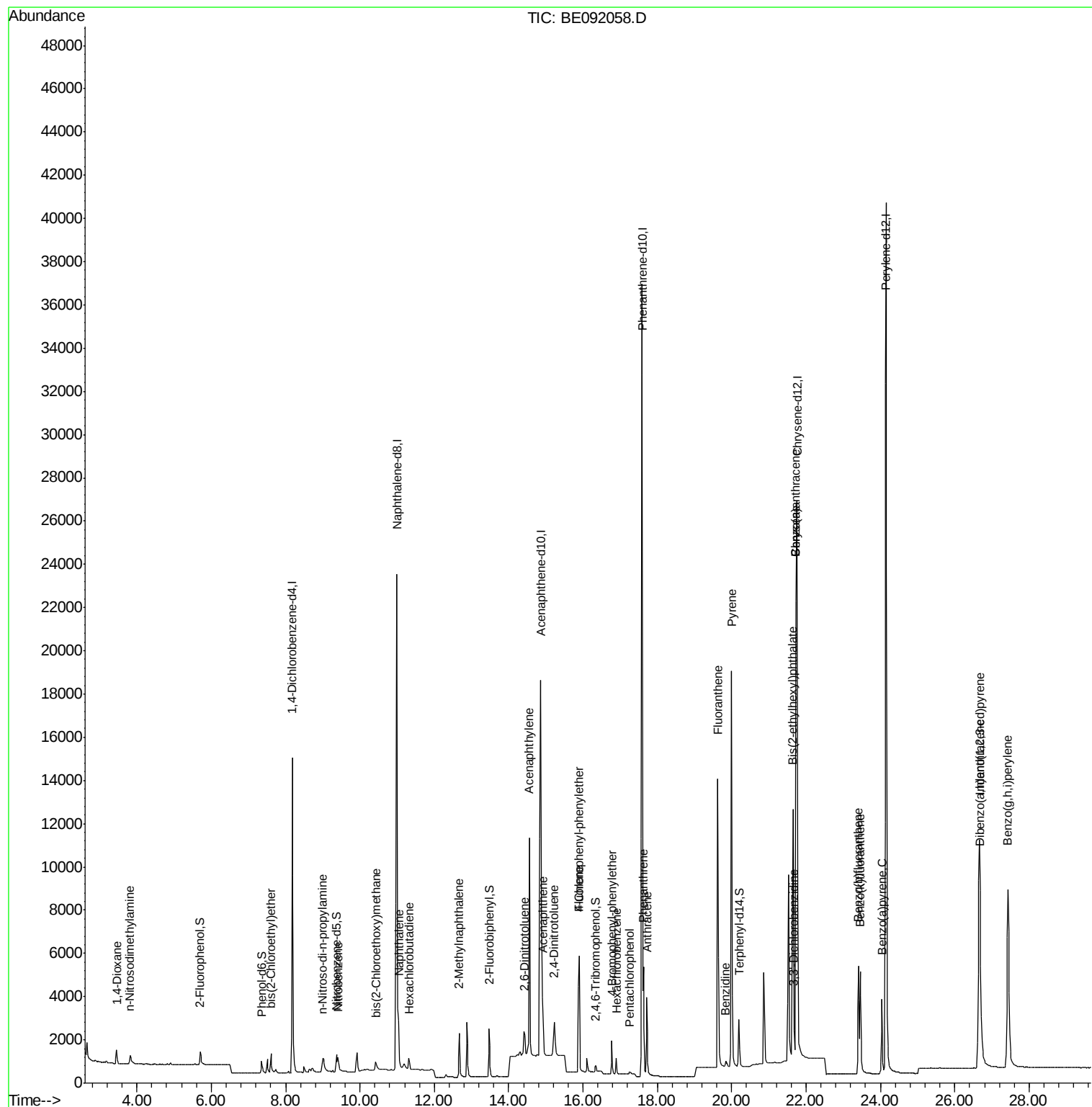
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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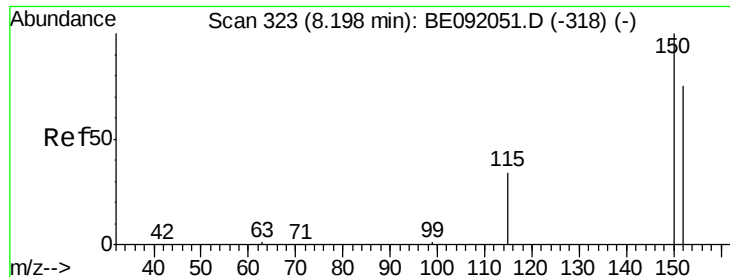
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. -0.02 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

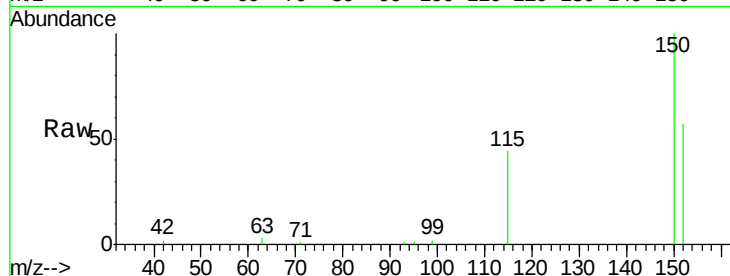
Tgt Ion: 152 Resp: 8757

Ion Ratio Lower Upper

152 100

150 174.7 106.0 159.0#

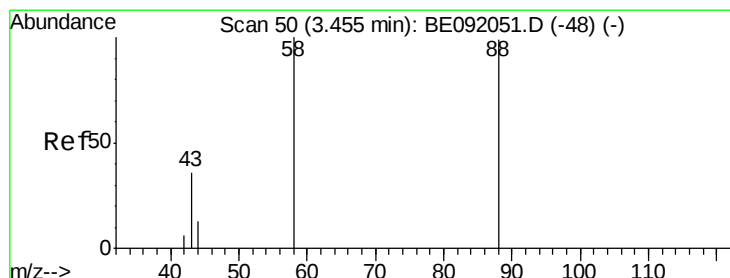
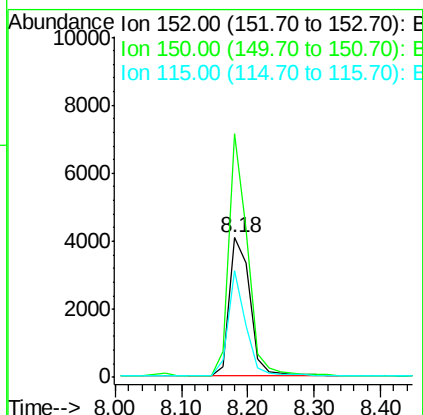
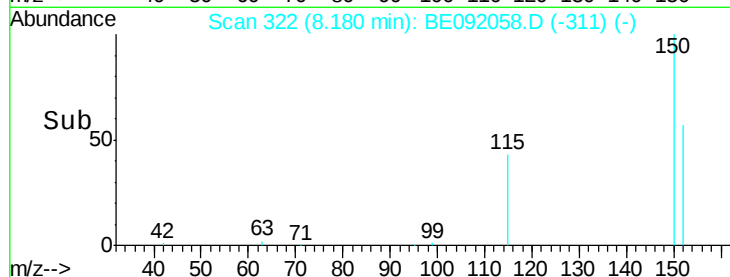
115 76.7 36.9 55.3#



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: 0.41 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

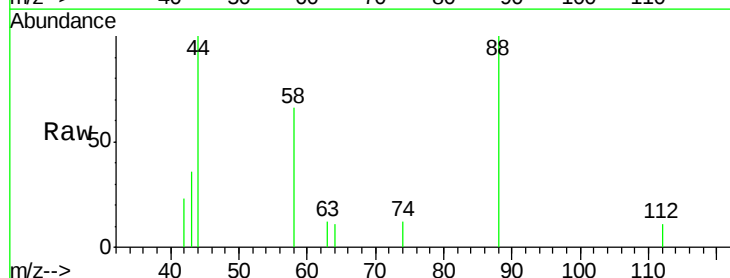
Tgt Ion: 88 Resp: 493

Ion Ratio Lower Upper

88 100

58 79.9 62.1 93.1

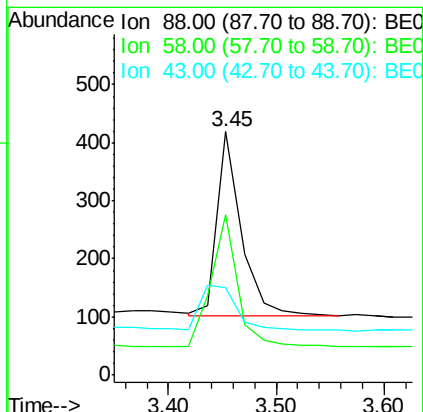
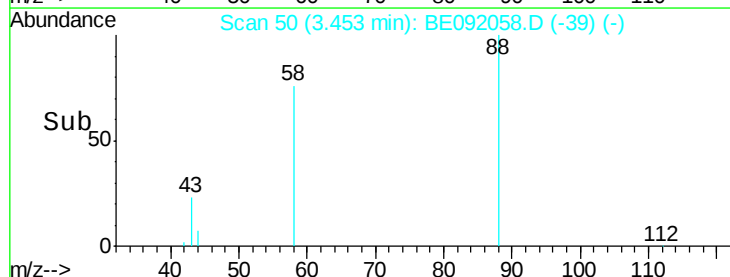
43 38.9 27.2 40.8

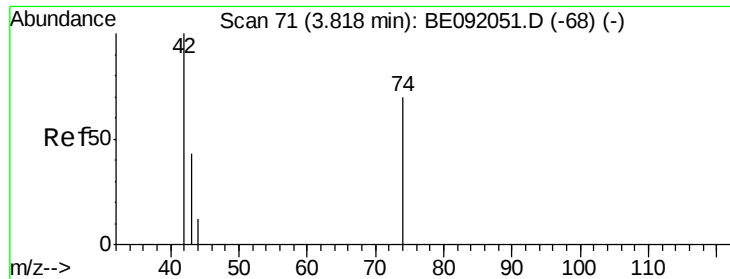


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.37 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

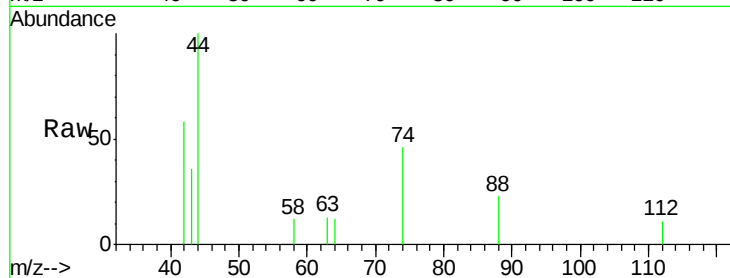
Tgt Ion: 42 Resp: 525

Ion Ratio Lower Upper

42 100

74 98.9 82.8 124.2

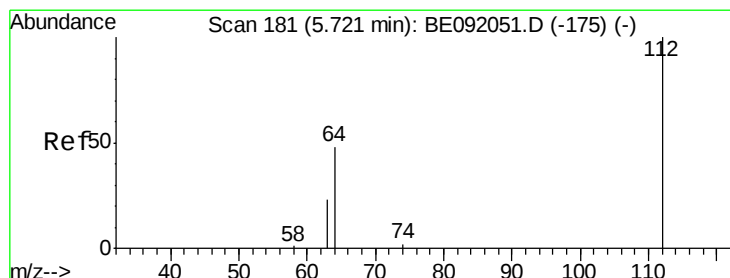
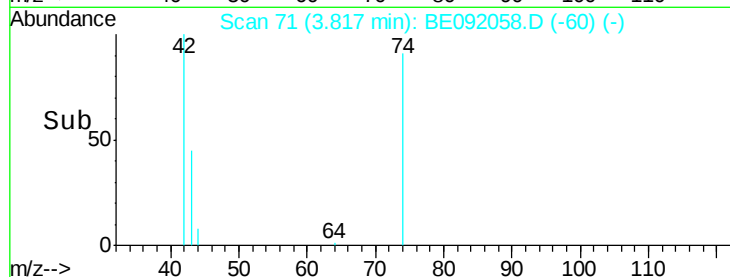
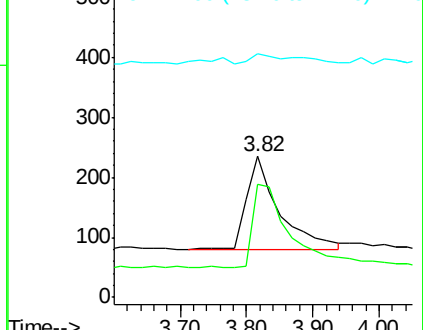
44 14.1 9.0 13.4#



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: 0.36 ng

RT: 5.70 min Scan# 180

Delta R.T. -0.02 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

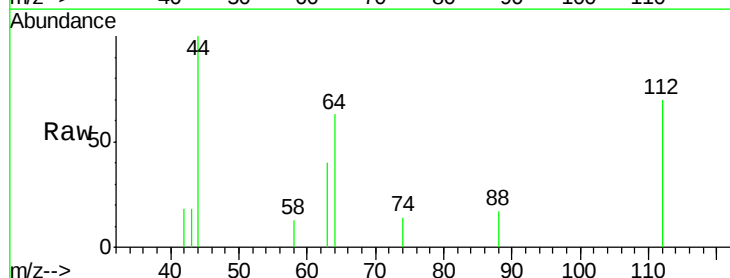
Tgt Ion: 112 Resp: 695

Ion Ratio Lower Upper

112 100

64 68.6 55.9 83.9

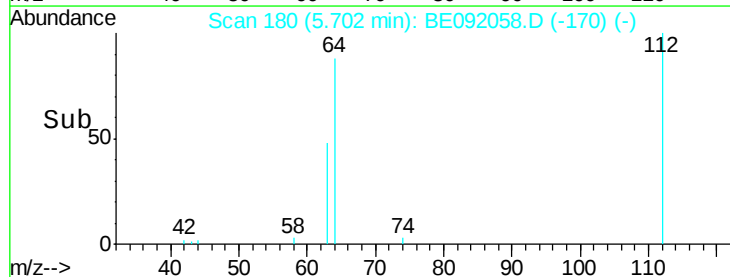
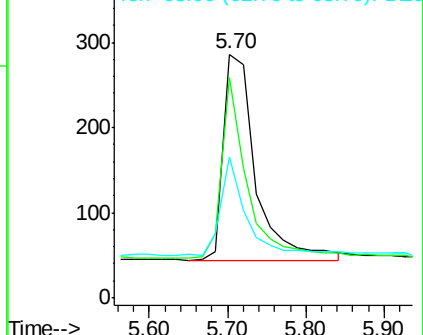
63 38.3 31.1 46.7

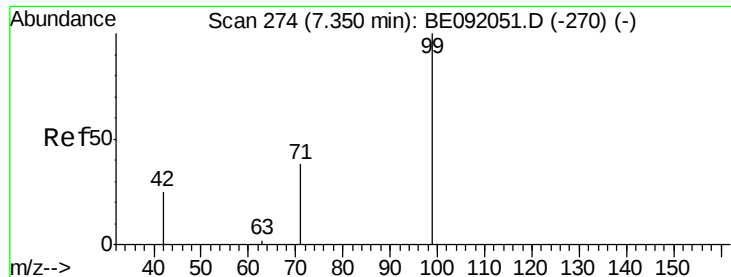


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.32 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

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ClientSampleId :

ICVBE072716

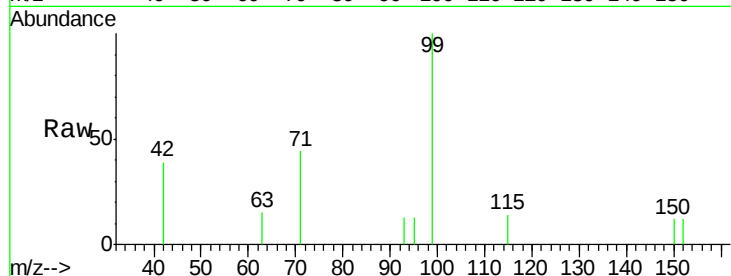
Tgt Ion: 99 Resp: 845

Ion Ratio Lower Upper

99 100

42 28.3 22.4 33.6

71 35.5 28.9 43.3



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

7.35

400

300

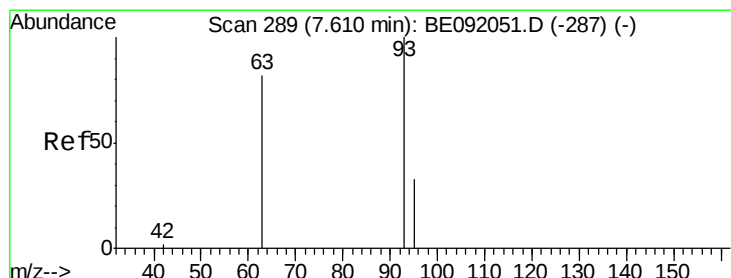
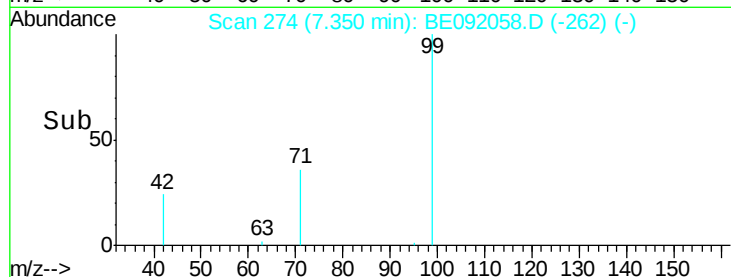
200

100

0

7.20 7.30 7.40 7.50

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.36 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

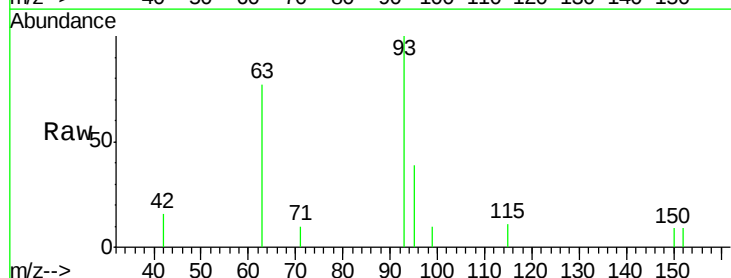
Tgt Ion: 93 Resp: 905

Ion Ratio Lower Upper

93 100

63 88.8 64.4 96.6

95 35.2 25.8 38.8



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

800

600

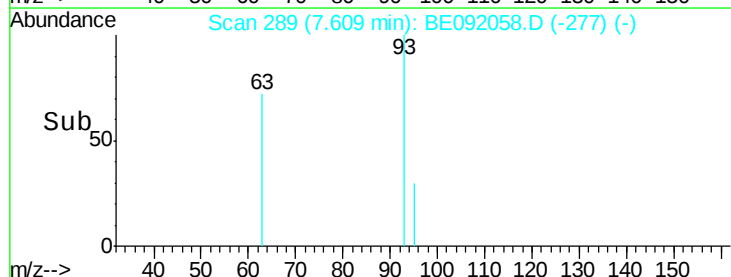
400

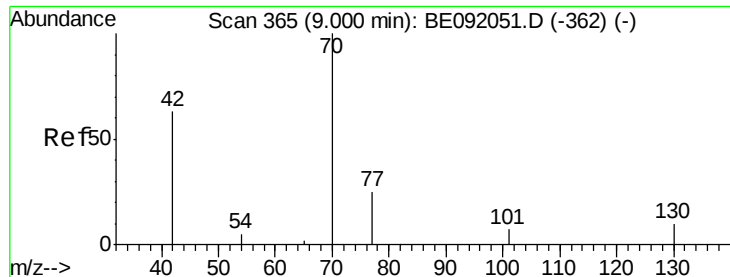
200

0

7.60 7.70

Time-->





#7

n-Nitroso-di-n-propylamine

Concen: 0.36 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

Tgt Ion: 70 Resp: 741

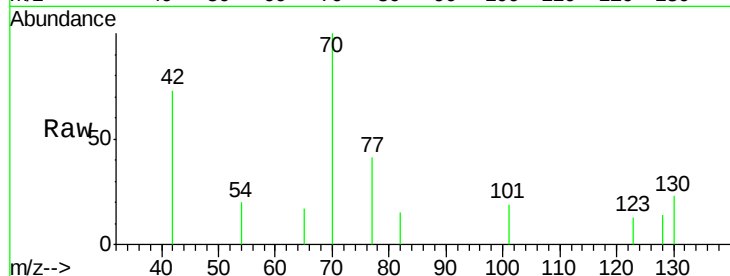
Ion Ratio Lower Upper

70 100

42 77.6 60.2 90.4

101 7.6 6.8 10.2

130 14.2 13.3 19.9

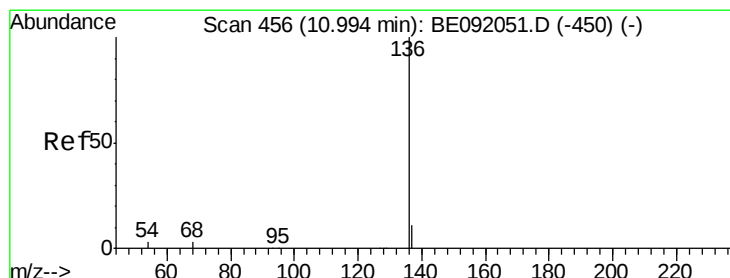
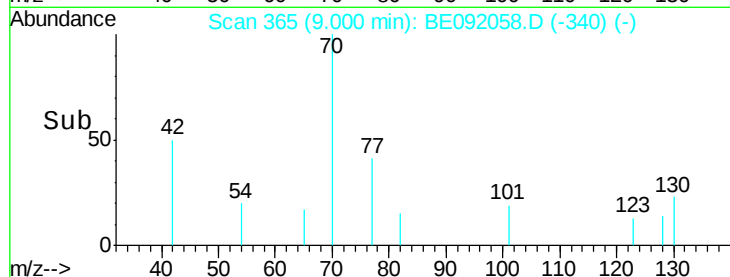
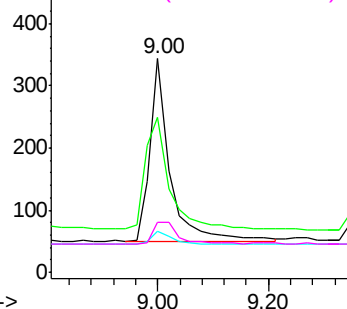


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Tgt Ion: 136 Resp: 39206

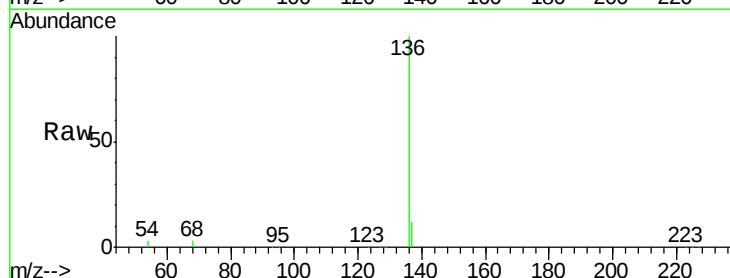
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 3.1 2.7 4.1

68 2.5 2.2 3.4

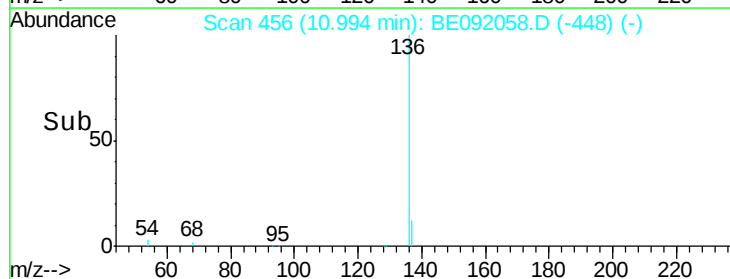
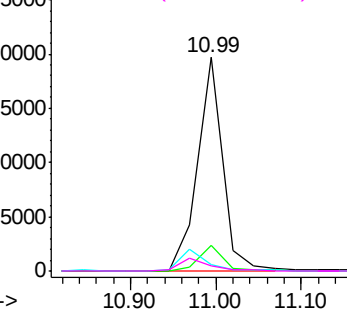


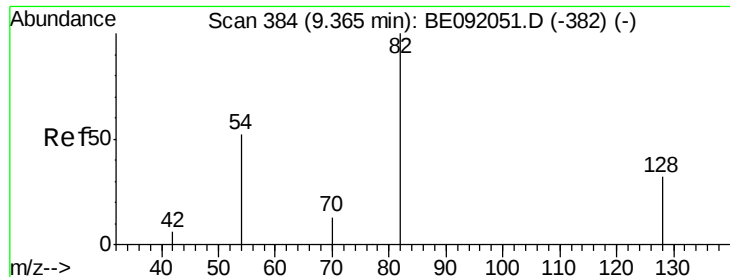
Abundance Ion 136.00 (135.70 to 136.70): E

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





#9

Nitrobenzene-d5

Concen: 0.33 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE092058.D

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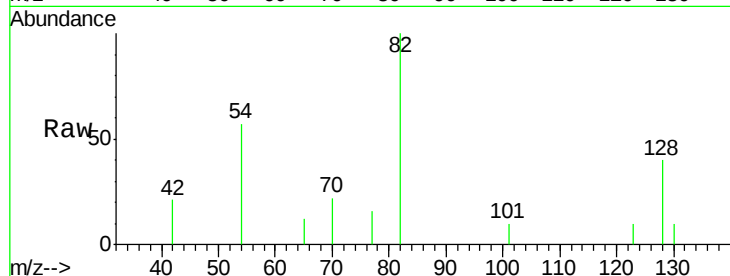
Tgt Ion: 82 Resp: 957

Ion Ratio Lower Upper

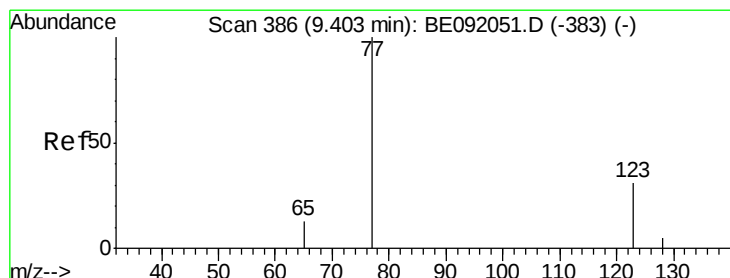
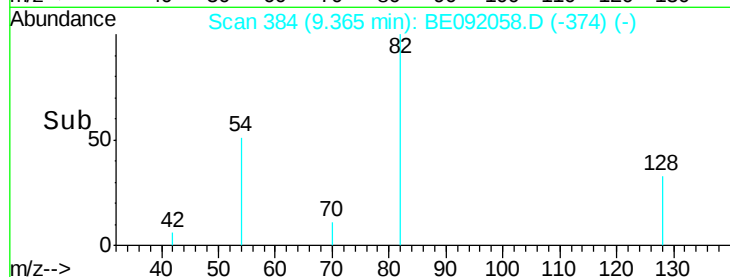
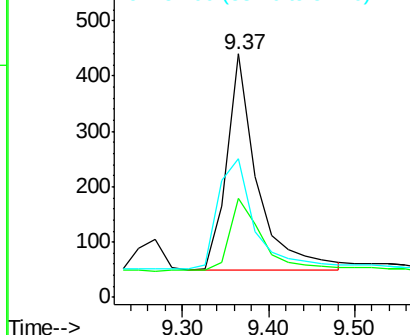
82 100

128 40.5 33.0 49.4

54 56.8 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.35 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

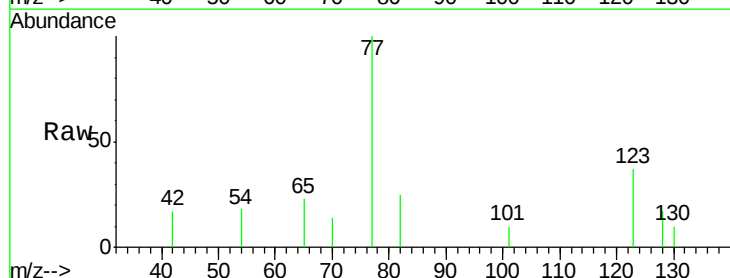
Tgt Ion: 77 Resp: 995

Ion Ratio Lower Upper

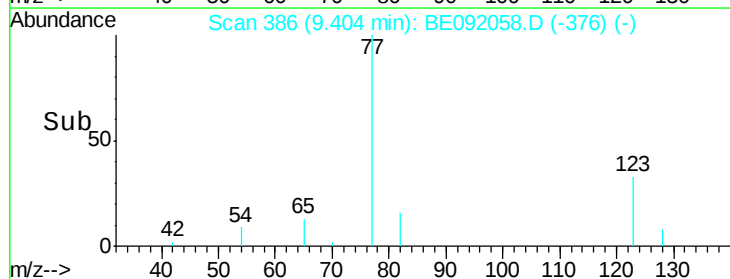
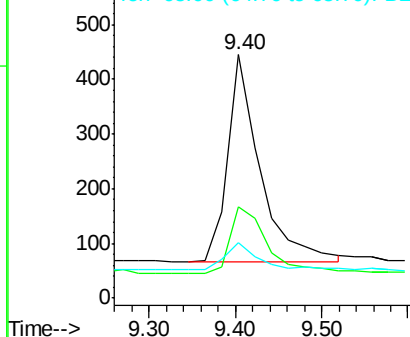
77 100

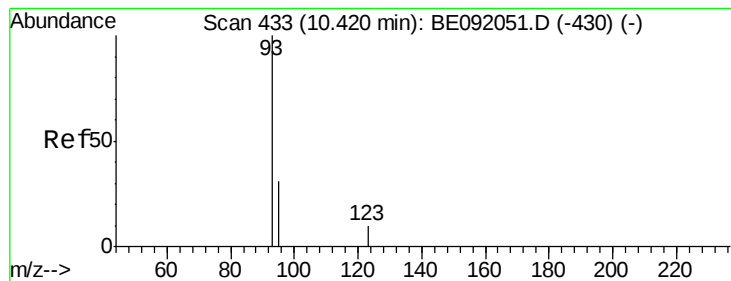
123 36.7 29.9 44.9

65 13.4 11.4 17.0



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.35 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

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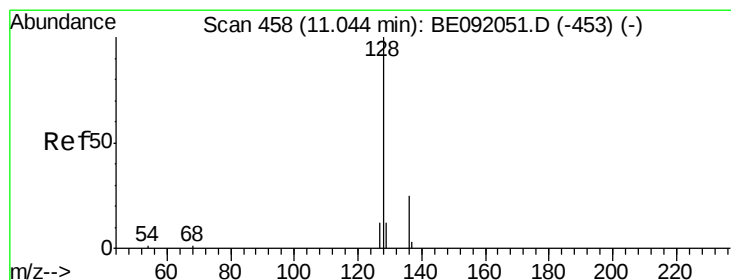
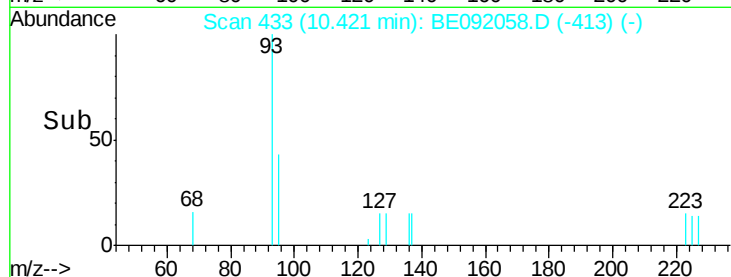
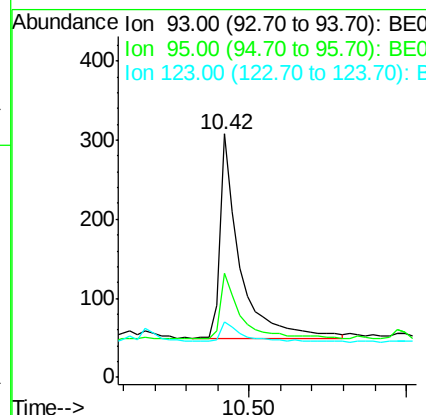
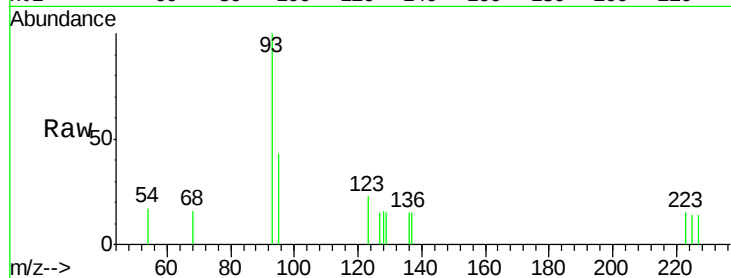
Tgt Ion: 93 Resp: 1135

Ion Ratio Lower Upper

93 100

95 62.1 25.0 37.6#

123 11.6 7.8 11.8



#12

Naphthalene

Concen: 0.39 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

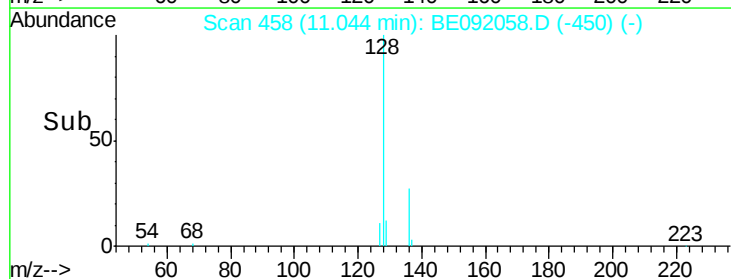
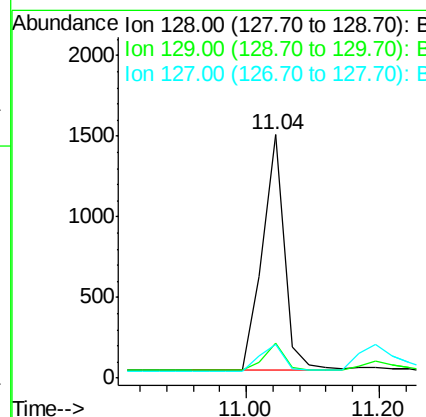
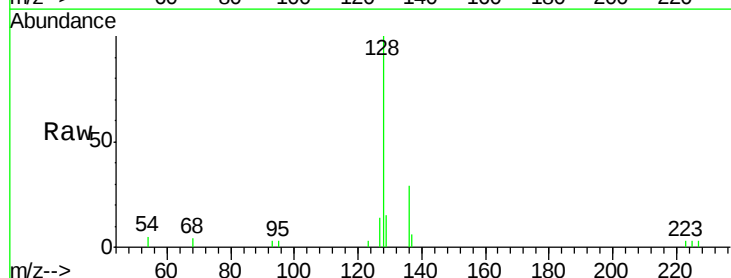
Tgt Ion: 128 Resp: 3371

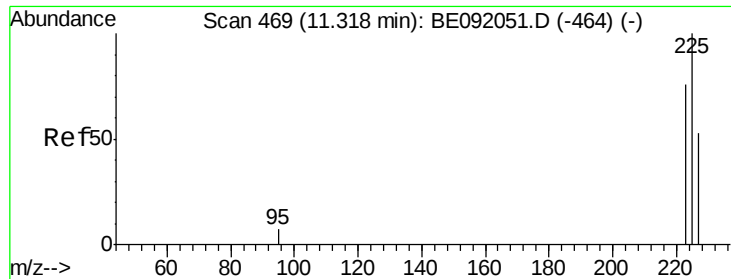
Ion Ratio Lower Upper

128 100

129 14.6 11.1 16.7

127 14.0 11.3 16.9

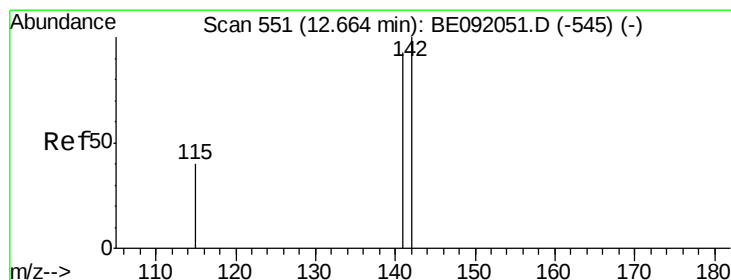
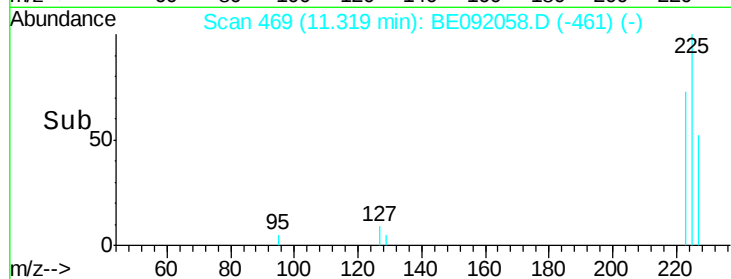
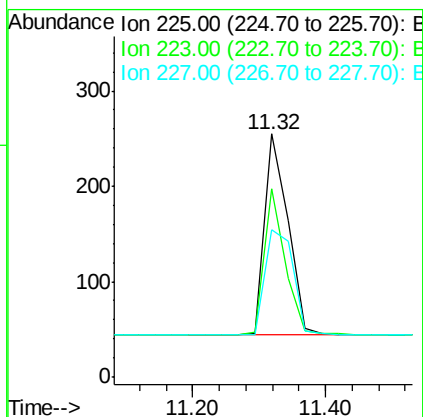
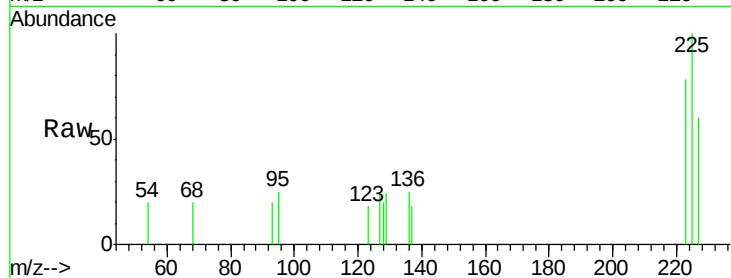




#13
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092058.D
Acq: 27 Jul 2016 15:52

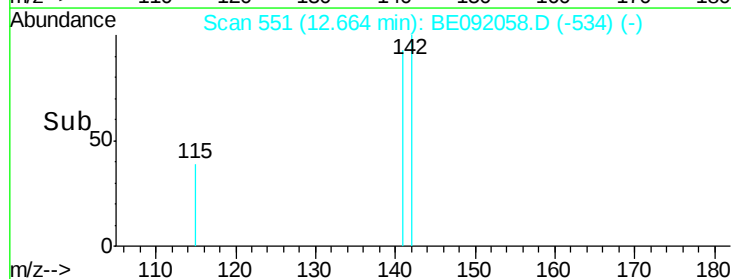
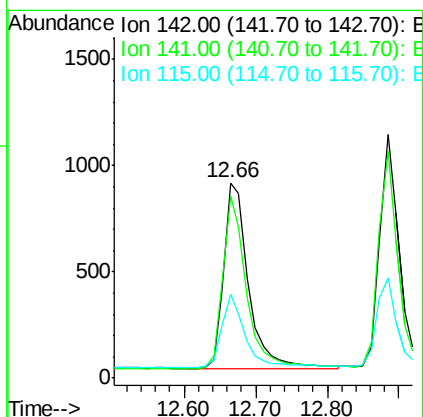
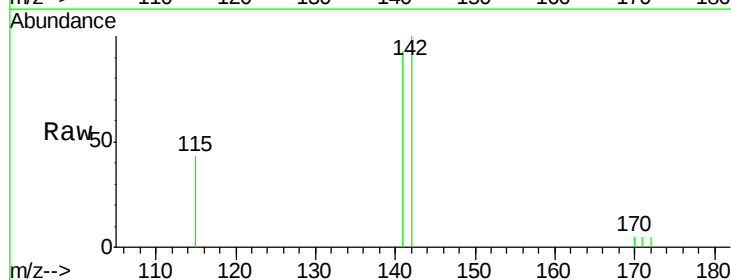
Instrument :
BNA_E
ClientSampleId :
ICVBE072716

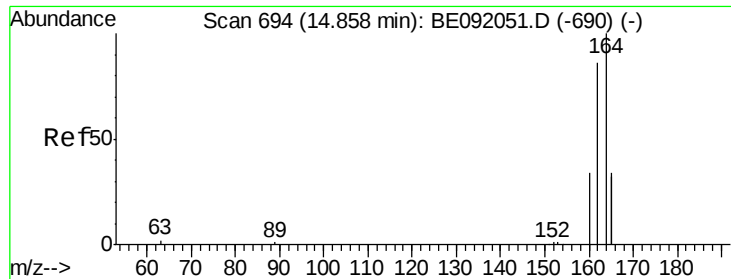
Tgt Ion: 225 Resp: 514
Ion Ratio Lower Upper
225 100
223 65.8 51.9 77.9
227 62.6 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.66 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092058.D
Acq: 27 Jul 2016 15:52

Tgt Ion: 142 Resp: 2091
Ion Ratio Lower Upper
142 100
141 93.4 65.1 97.7
115 42.7 27.0 40.4#





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

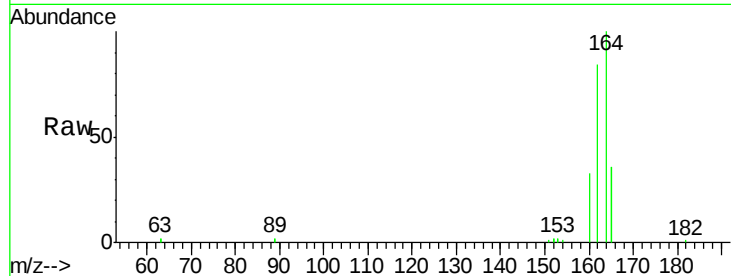
Tgt Ion:164 Resp: 16091

Ion Ratio Lower Upper

164 100

162 84.2 69.5 104.3

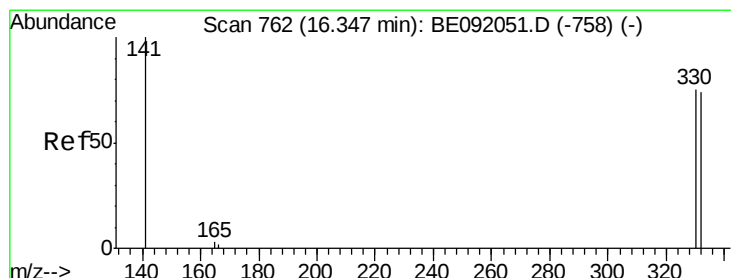
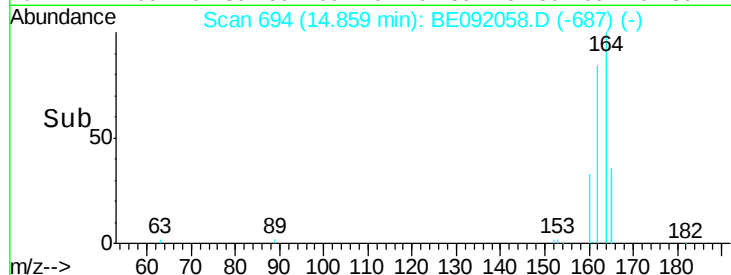
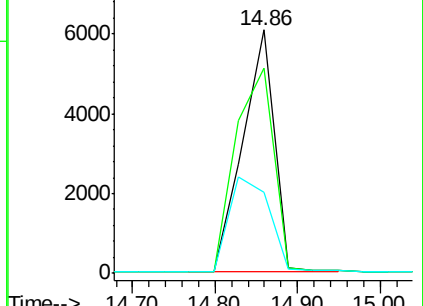
160 33.0 27.6 41.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.43 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

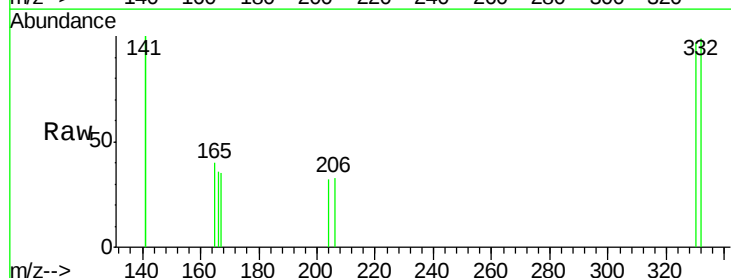
Tgt Ion:330 Resp: 189

Ion Ratio Lower Upper

330 100

332 95.2 74.2 111.4

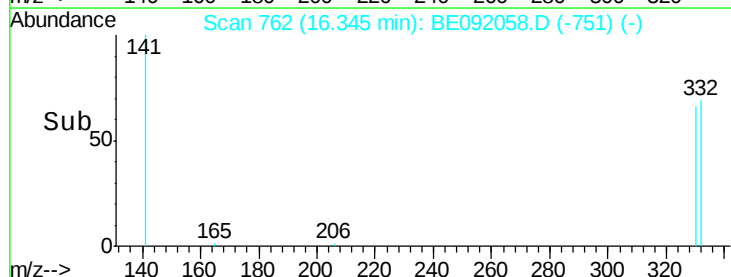
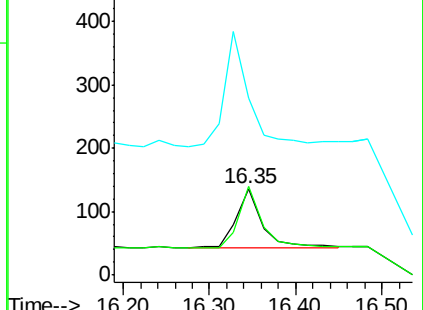
141 189.9 139.8 209.8

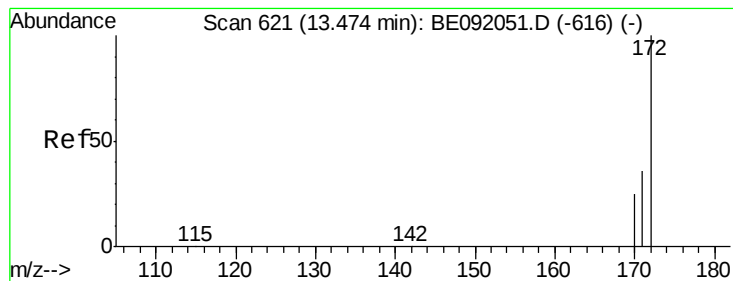


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

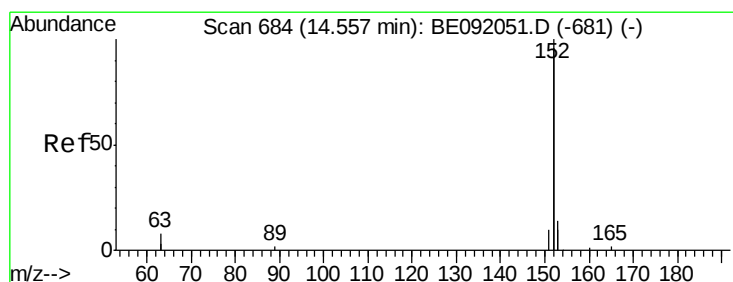
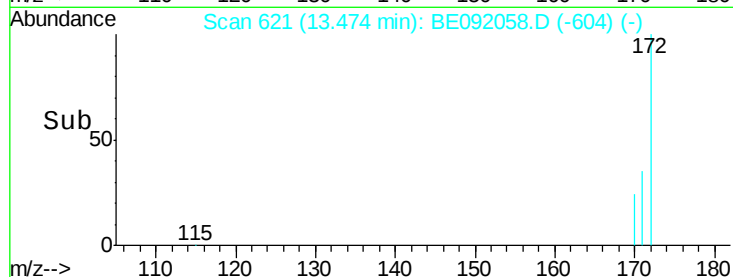
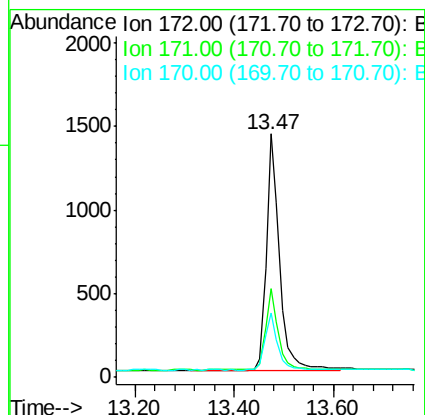
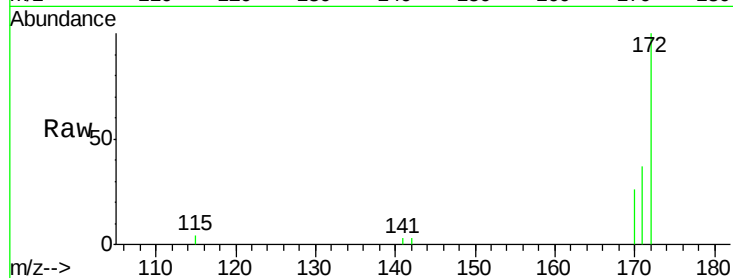




#17
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.47 min Scan# 621
Delta R.T. 0.00 min
Lab File: BE092058.D
Acq: 27 Jul 2016 15:52

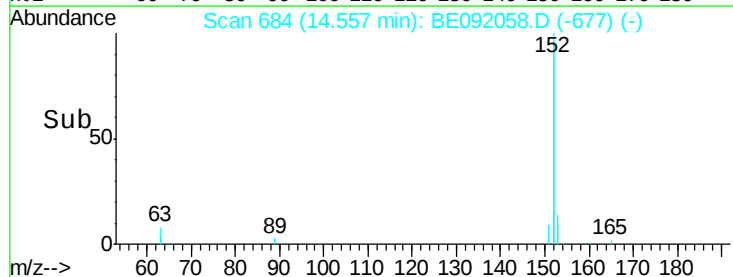
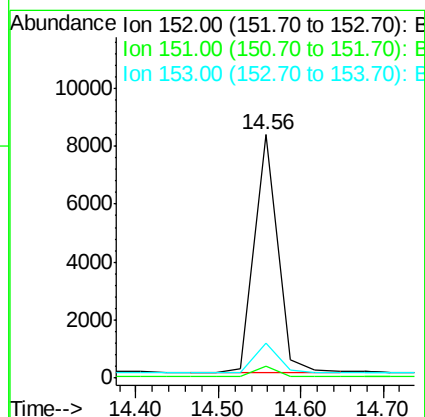
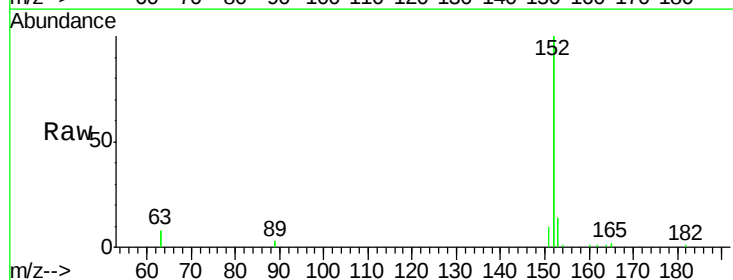
Instrument :
BNA_E
ClientSampleId :
ICVBE072716

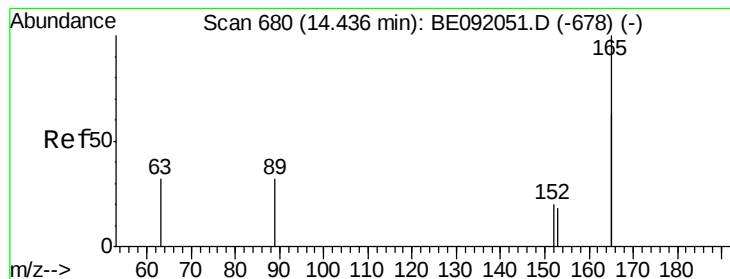
Tgt Ion:172 Resp: 2636
Ion Ratio Lower Upper
172 100
171 36.7 30.3 45.5
170 26.2 21.6 32.4



#18
Acenaphthylene
Concen: 0.39 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092058.D
Acq: 27 Jul 2016 15:52

Tgt Ion:152 Resp: 16158
Ion Ratio Lower Upper
152 100
151 4.7 4.0 6.0
153 12.6 9.6 14.4





#19

2,6-Dinitrotoluene

Concen: 0.42 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

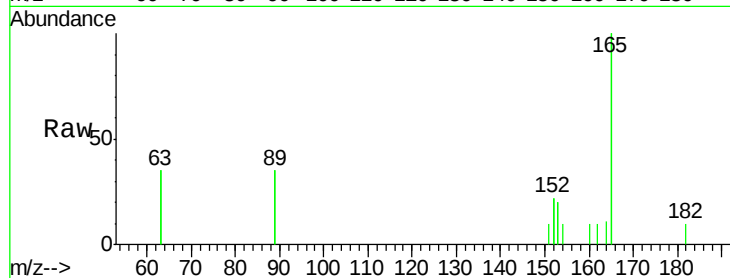
Tgt Ion:165 Resp: 1491

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 0.0 0.0

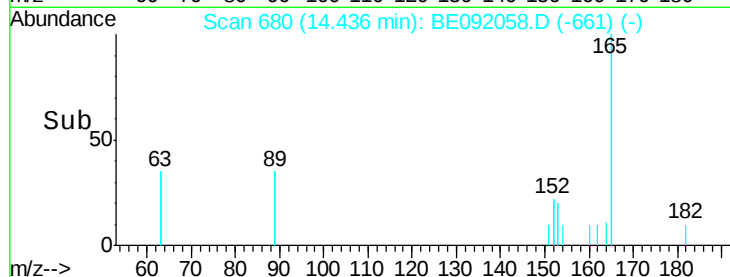


Abundance Ion 165.00 (164.70 to 165.70): E

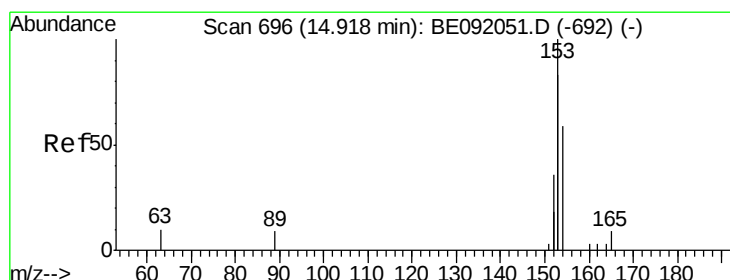
Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Time-->



Time-->



#20

Acenaphthene

Concen: 0.40 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

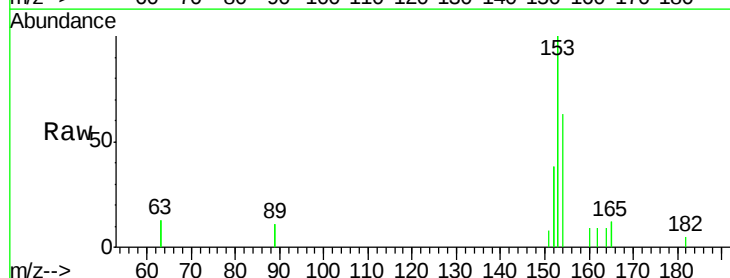
Tgt Ion:154 Resp: 1755

Ion Ratio Lower Upper

154 100

153 0.0 345.1 517.7#

152 0.0 0.0 0.0

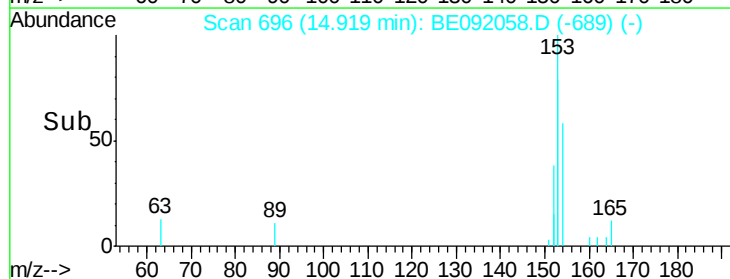


Abundance Ion 154.00 (153.70 to 154.70): E

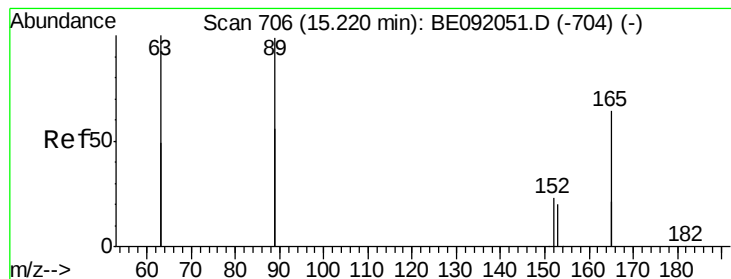
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



Time-->



#21

2,4-Dinitrotoluene

Concen: 0.84 ng

RT: 15.22 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

Tgt Ion:165 Resp: 4350

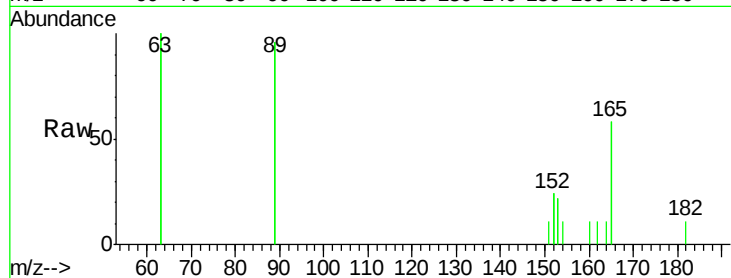
Ion Ratio Lower Upper

165 100

63 142.4 324.0 486.0#

89 136.2 308.4 462.6#

182 0.0 0.0 0.0

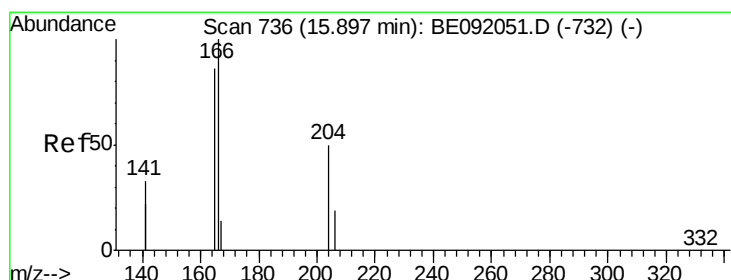
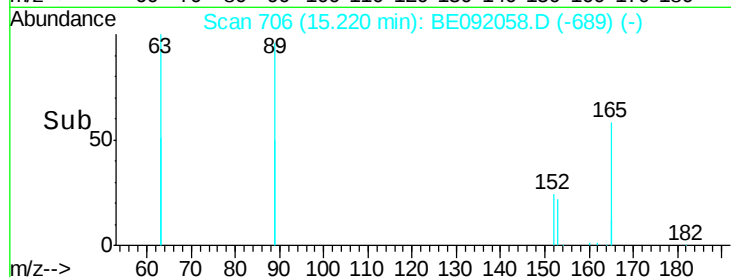
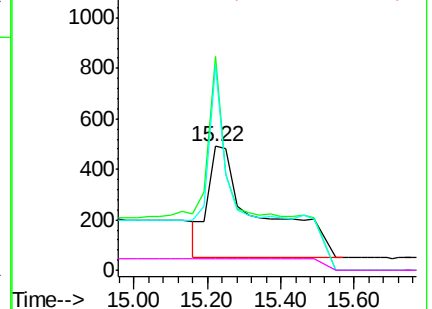


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.39 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

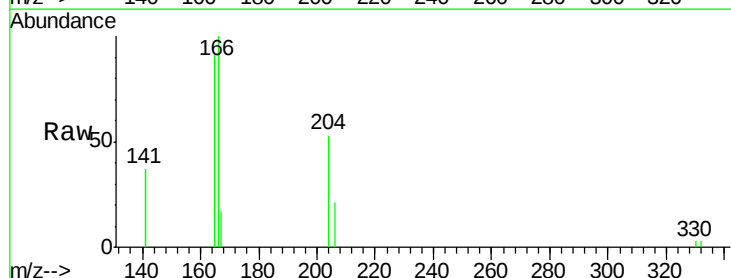
Tgt Ion:166 Resp: 2716

Ion Ratio Lower Upper

166 100

165 99.6 78.6 118.0

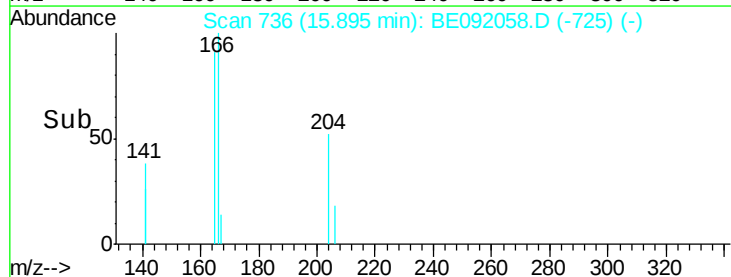
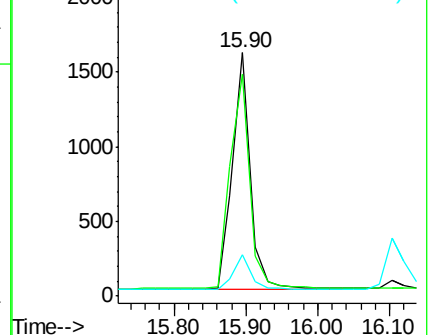
167 14.8 11.1 16.7

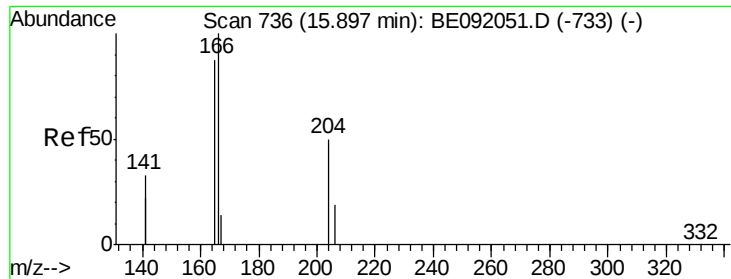


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

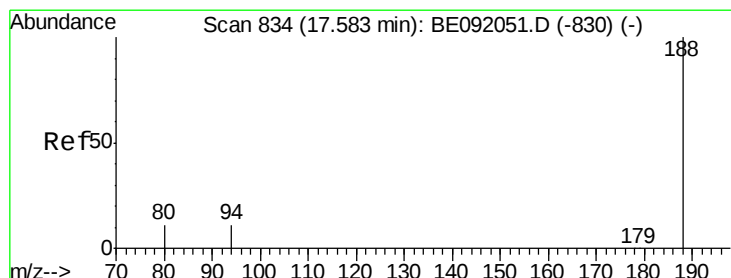
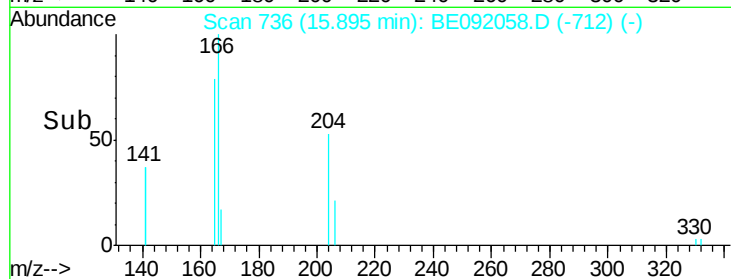
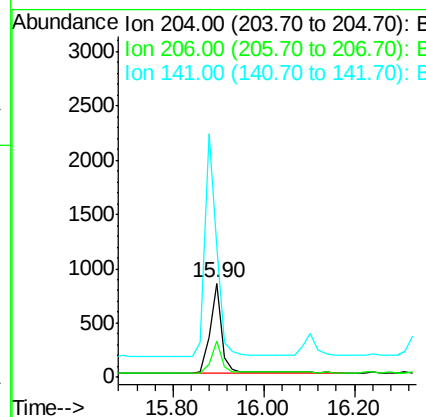
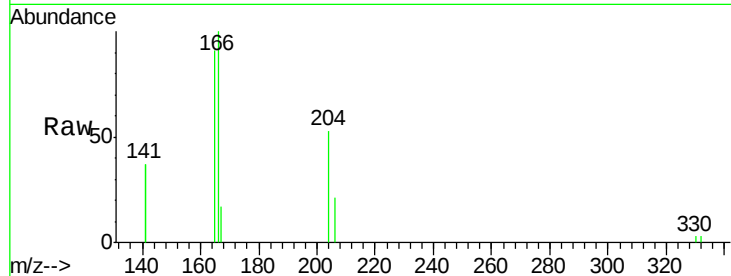




#23
 4-Chlorophenyl-phenylether
 Concen: 0.42 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE092058.D
 Acq: 27 Jul 2016 15:52

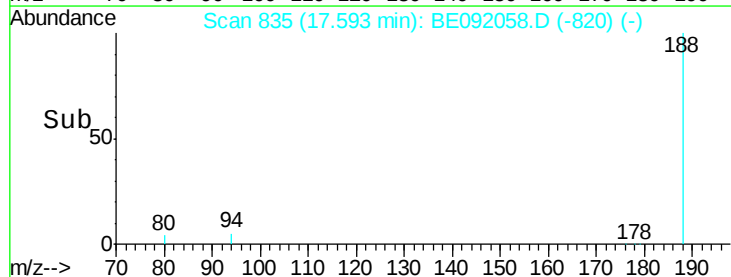
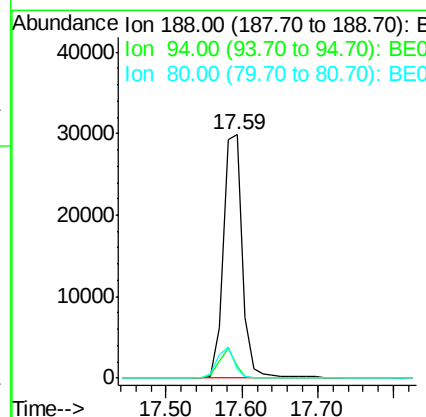
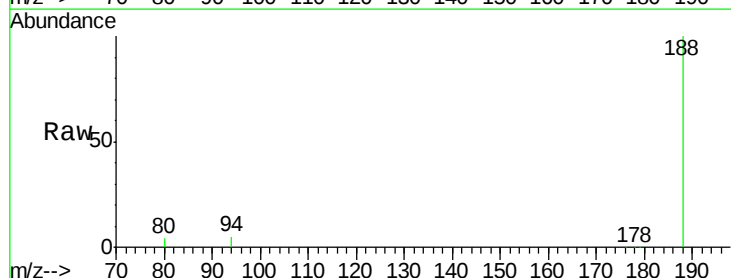
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072716

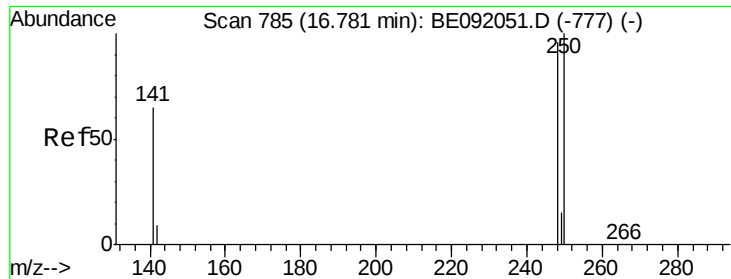
Tgt Ion: 204 Resp: 1421
 Ion Ratio Lower Upper
 204 100
 206 33.0 27.0 40.4
 141 319.5 198.5 297.7#



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BE092058.D
 Acq: 27 Jul 2016 15:52

Tgt Ion: 188 Resp: 52442
 Ion Ratio Lower Upper
 188 100
 94 4.8 3.9 5.9
 80 4.0 3.4 5.0





#25

4-Bromophenyl-phenylether

Concen: 0.38 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

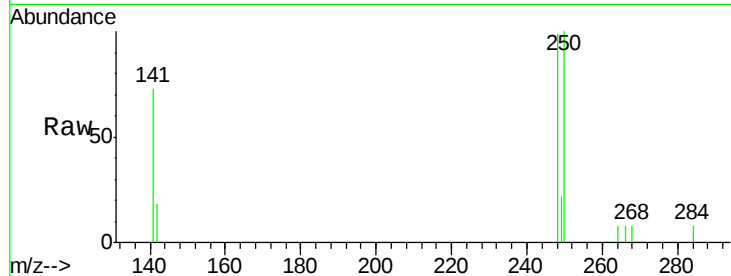
Tgt Ion:248 Resp: 829

Ion Ratio Lower Upper

248 100

250 98.6 79.6 119.4

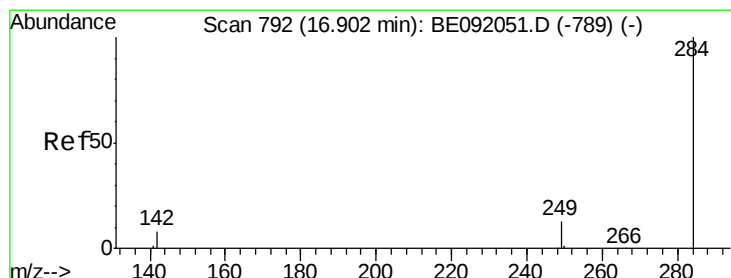
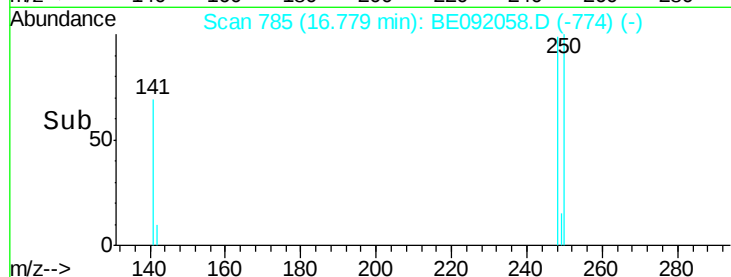
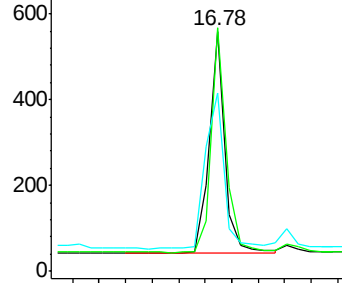
141 86.4 68.7 103.1



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 0.39 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

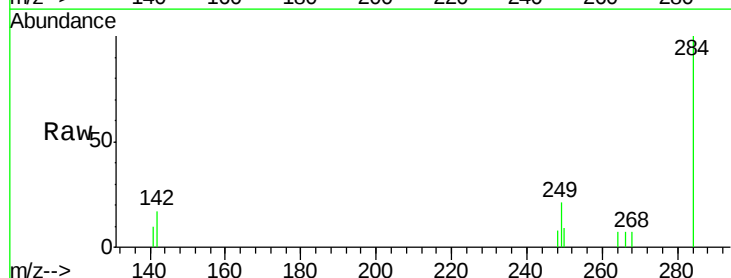
Tgt Ion:284 Resp: 881

Ion Ratio Lower Upper

284 100

142 41.8 33.3 49.9

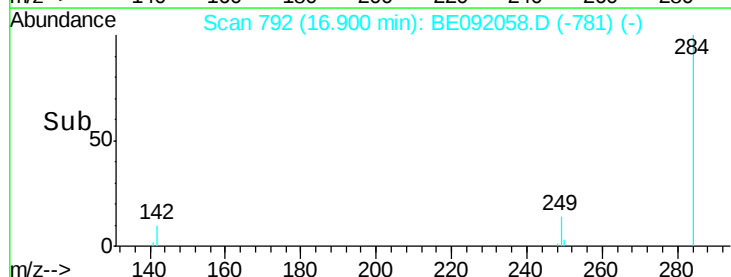
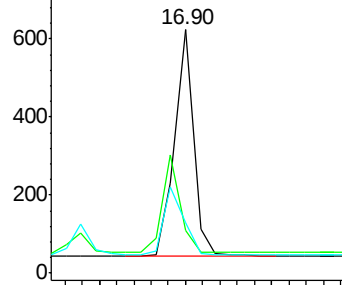
249 31.8 25.4 38.0

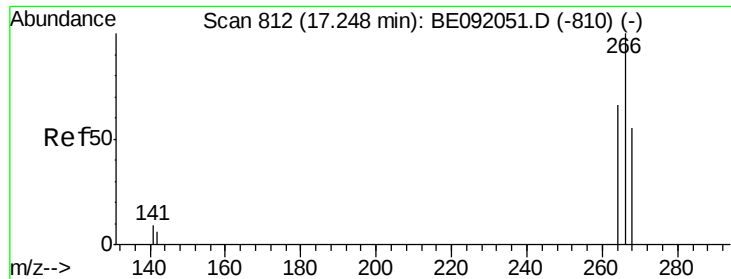


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.48 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

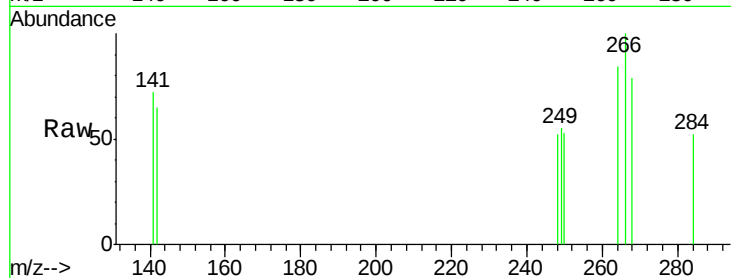
Tgt Ion:266 Resp: 135

Ion Ratio Lower Upper

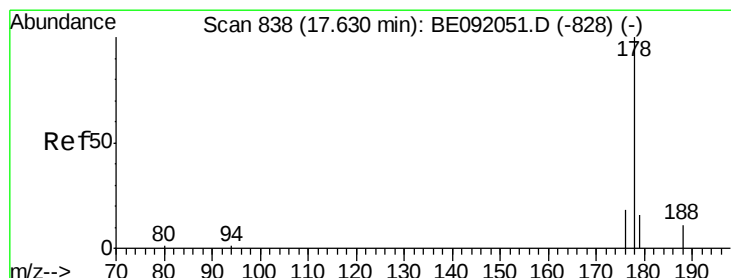
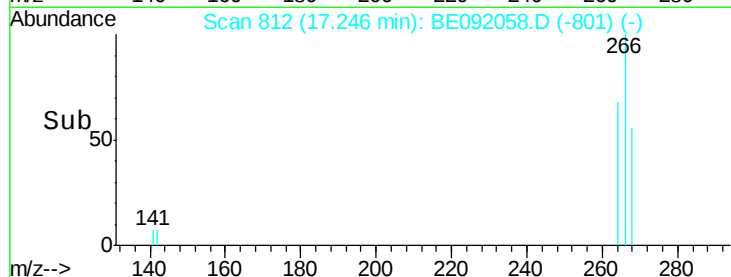
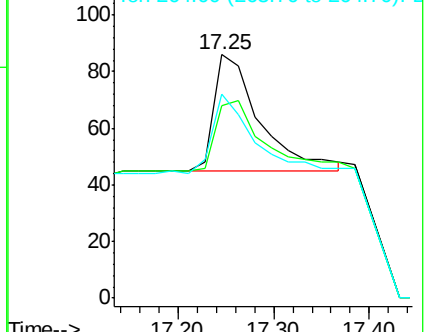
266 100

268 79.1 62.7 94.1

264 83.7 63.5 95.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 0.40 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

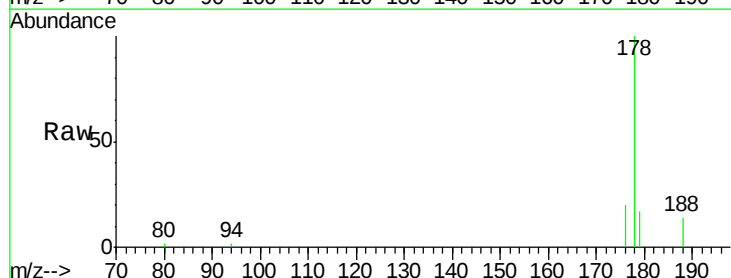
Tgt Ion:178 Resp: 5274

Ion Ratio Lower Upper

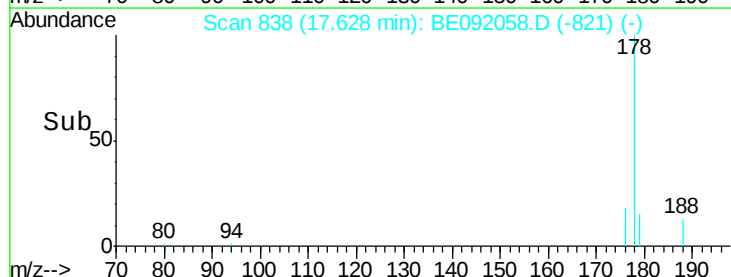
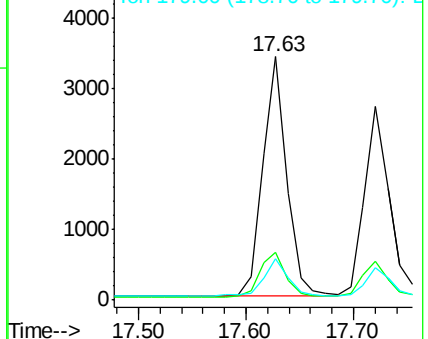
178 100

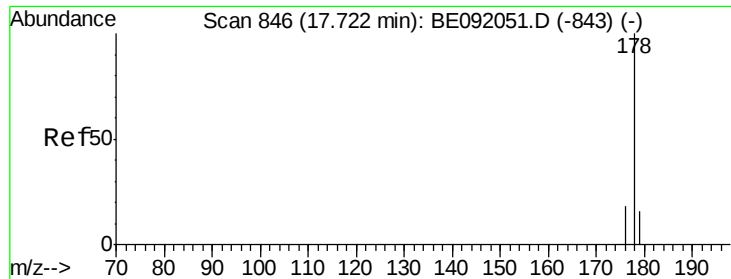
176 19.3 15.4 23.0

179 15.9 12.7 19.1



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





#29

Anthracene

Concen: 0.37 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

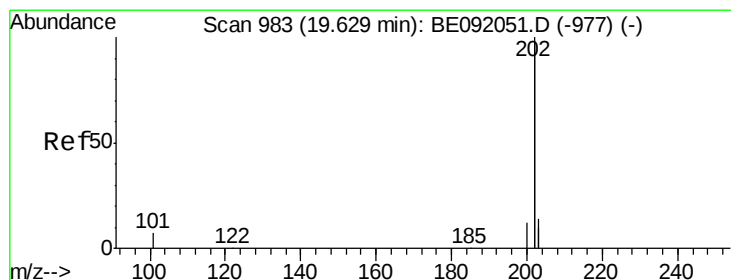
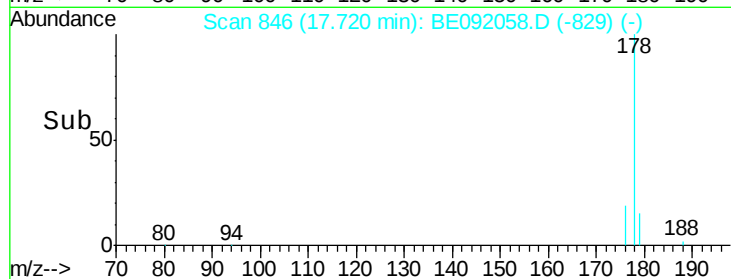
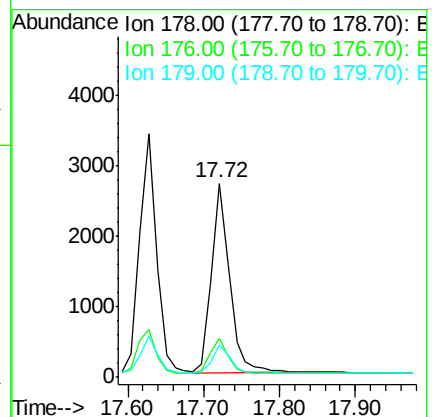
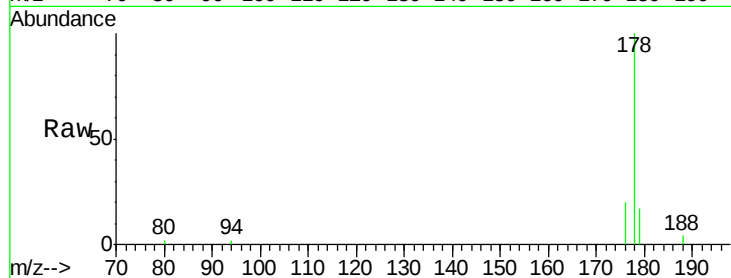
Tgt Ion:178 Resp: 4483

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

179 15.0 12.2 18.4



#30

Fluoranthene

Concen: 0.36 ng

RT: 19.63 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

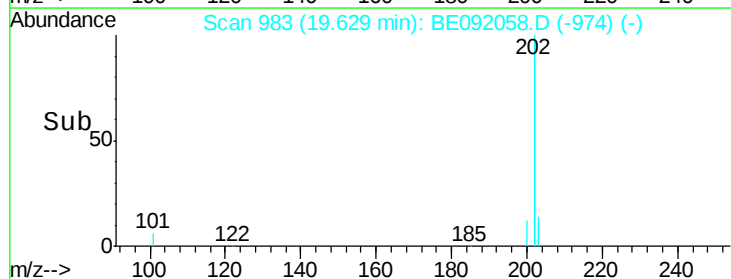
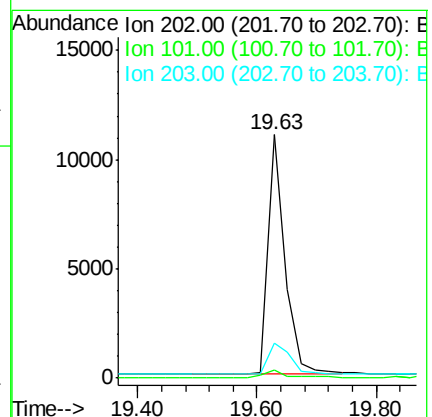
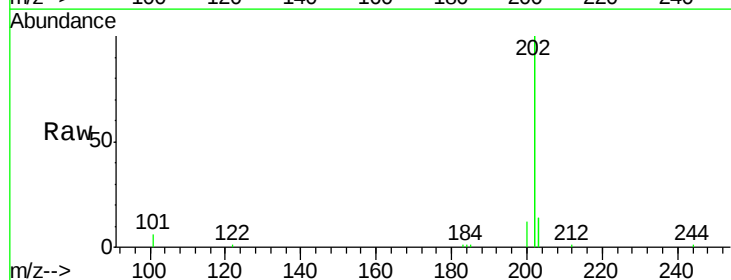
Tgt Ion:202 Resp: 21638

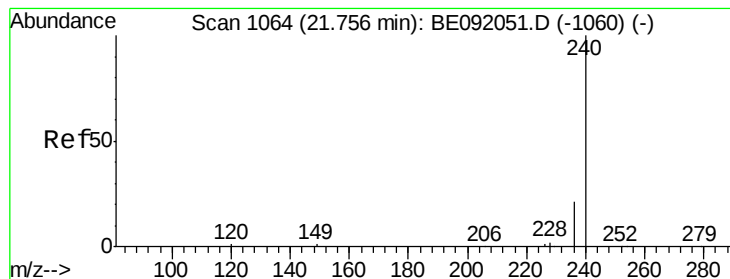
Ion Ratio Lower Upper

202 100

101 2.7 2.2 3.2

203 16.4 13.0 19.4





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

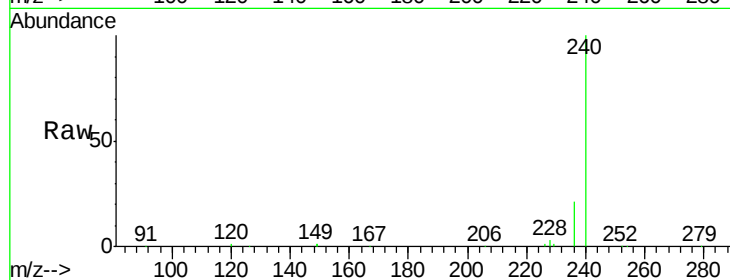
Tgt Ion:240 Resp: 46863

Ion Ratio Lower Upper

240 100

120 1.0 0.6 1.0#

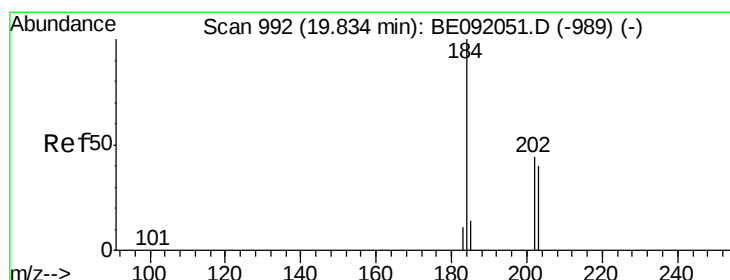
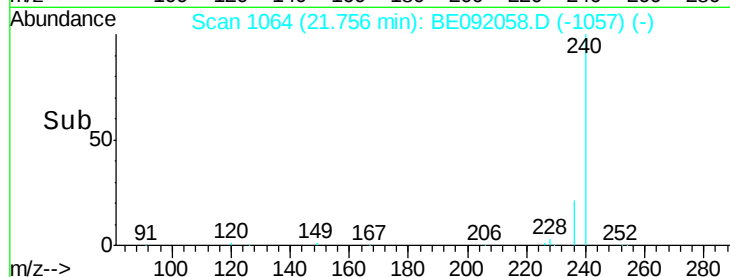
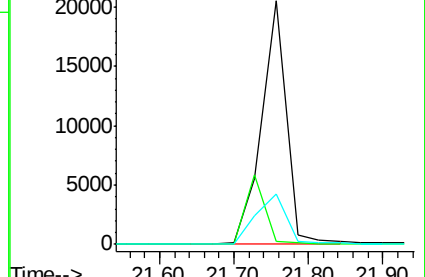
236 20.8 18.2 27.4



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



#32

Benzidine

Concen: 0.41 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

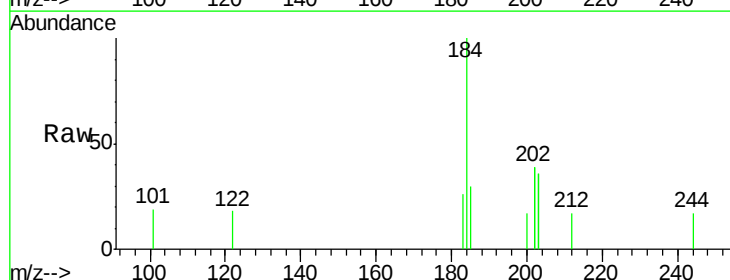
Tgt Ion:184 Resp: 712

Ion Ratio Lower Upper

184 100

185 29.9 23.8 35.6

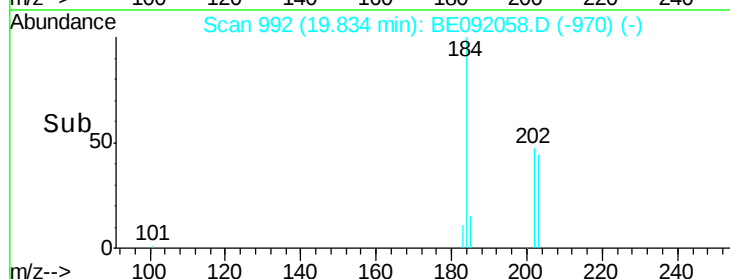
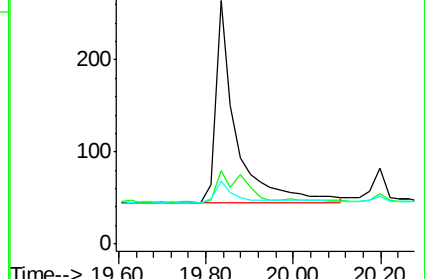
183 26.1 20.7 31.1

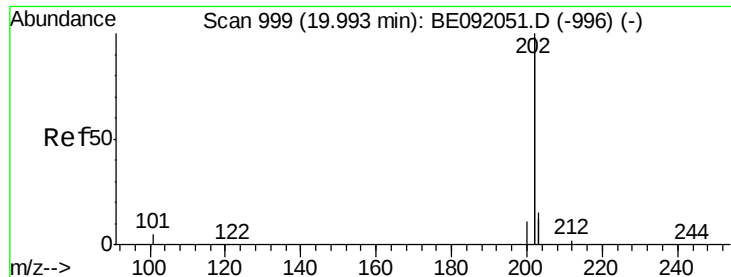


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

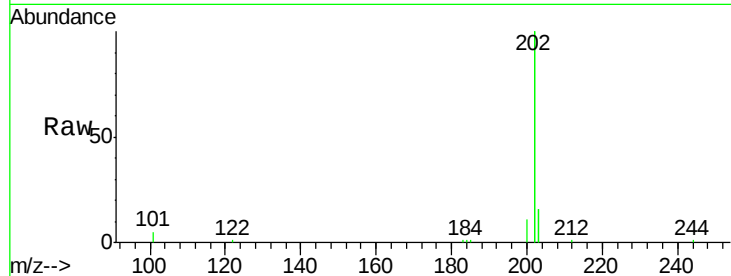




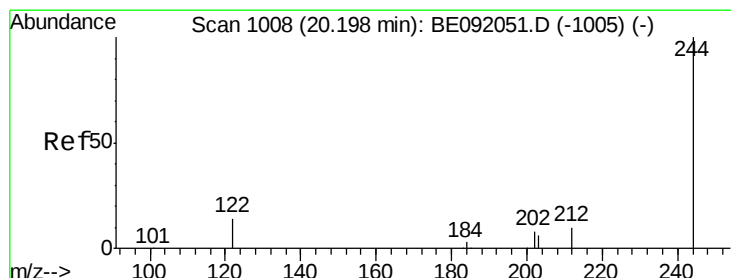
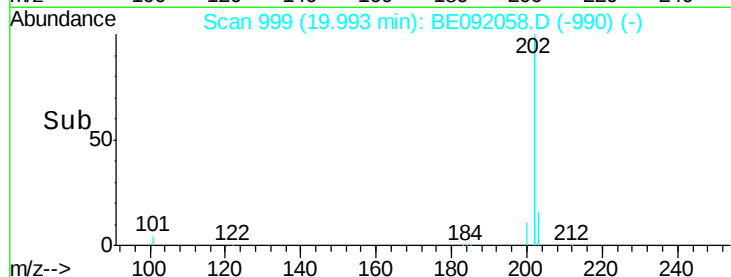
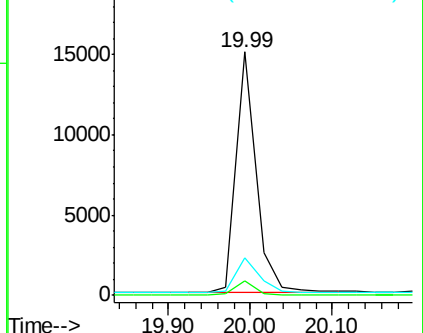
#33
 Pyrene
 Concen: 0.41 ng
 RT: 19.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: BE092058.D
 Acq: 27 Jul 2016 15:52

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072716

Tgt Ion:202 Resp: 25054
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.4 6.6
 203 16.5 13.4 20.0

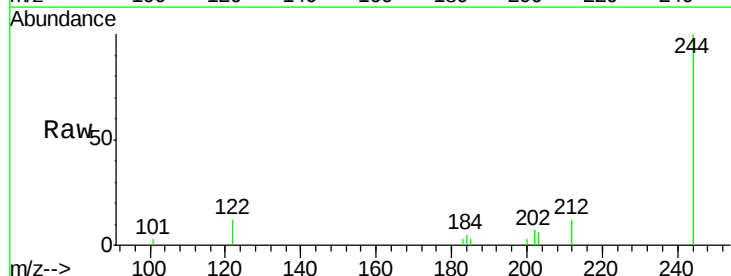


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

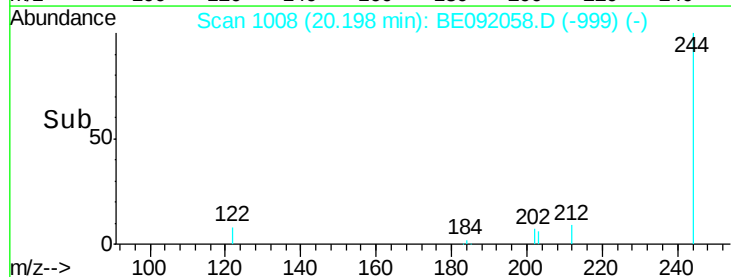
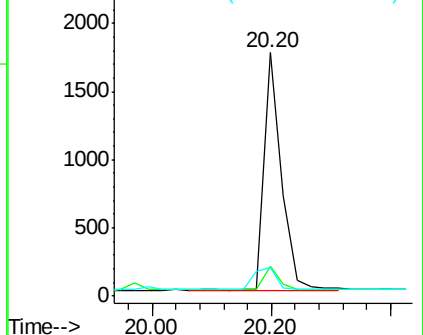


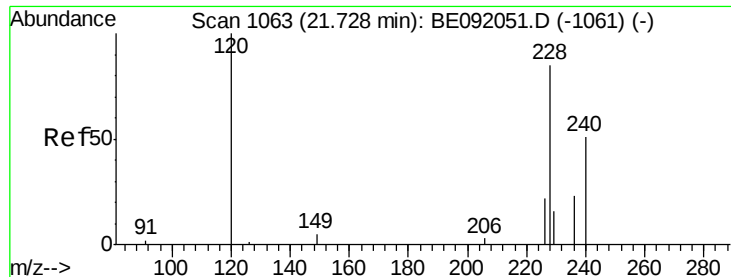
#34
 Terphenyl-d14
 Concen: 0.40 ng
 RT: 20.20 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BE092058.D
 Acq: 27 Jul 2016 15:52

Tgt Ion:244 Resp: 3503
 Ion Ratio Lower Upper
 244 100
 212 12.1 9.1 13.7
 122 11.9 11.0 16.4



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





#35

Benzo(a)anthracene

Concen: 0.83 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

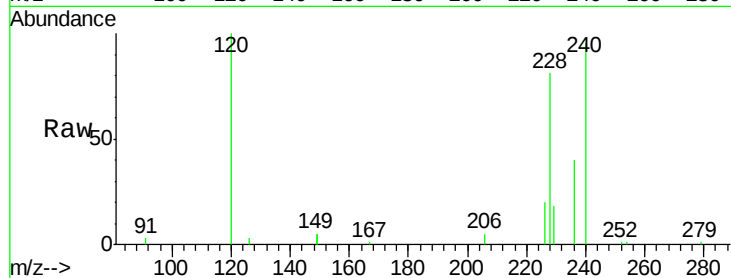
Tgt Ion:228 Resp: 16698

Ion Ratio Lower Upper

228 100

226 25.0 22.1 33.1

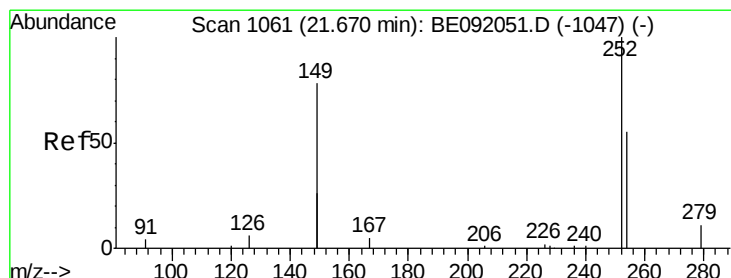
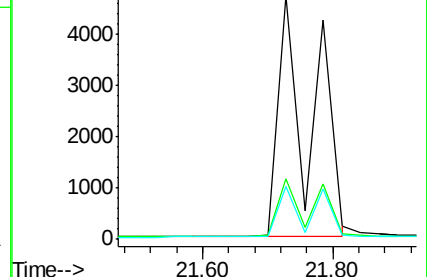
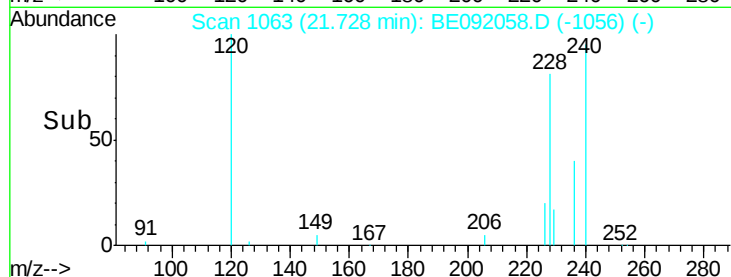
229 21.6 15.1 22.7



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



#36

3,3'-Dichlorobenzidine

Concen: 0.46 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

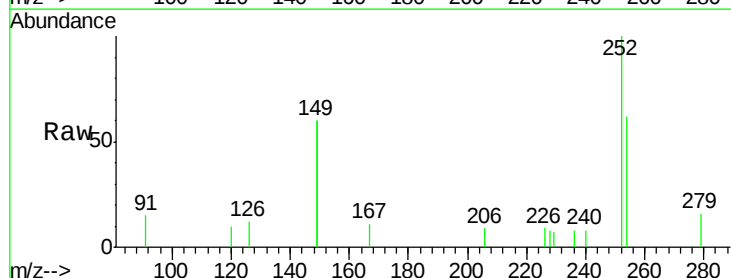
Tgt Ion:252 Resp: 1308

Ion Ratio Lower Upper

252 100

254 62.0 44.2 66.2

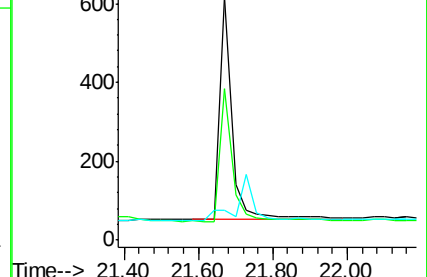
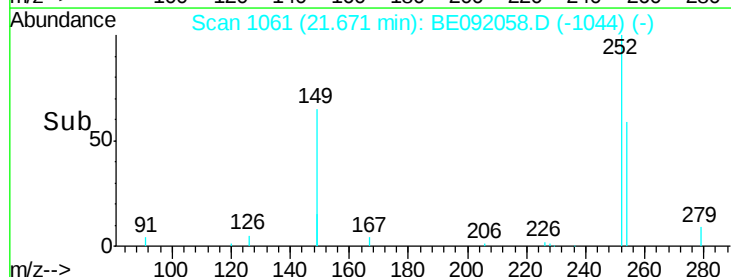
126 12.1 10.6 15.8

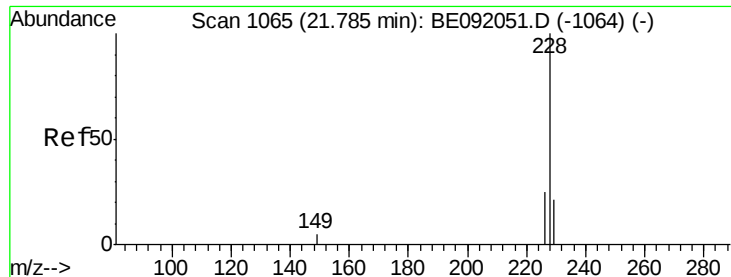


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 1.03 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

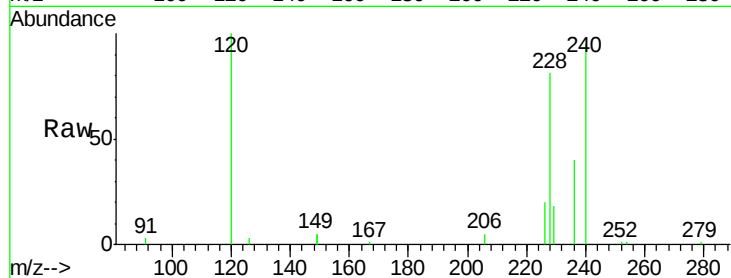
Tgt Ion:228 Resp: 16917

Ion Ratio Lower Upper

228 100

226 25.0 22.3 33.5

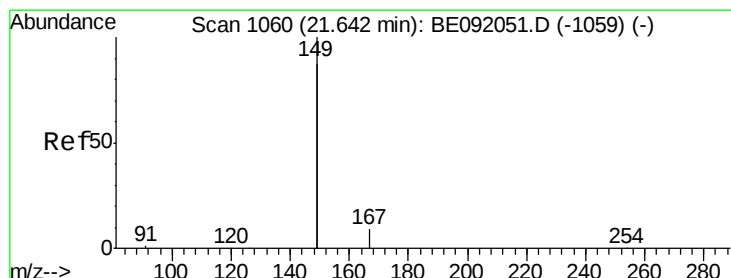
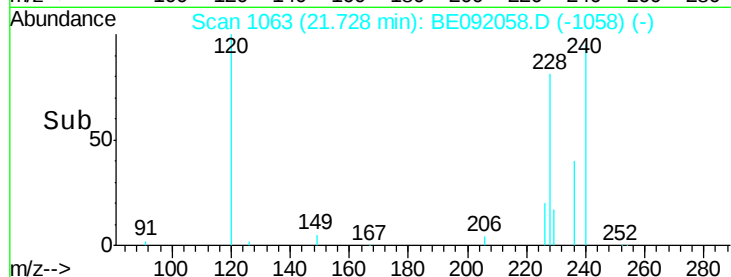
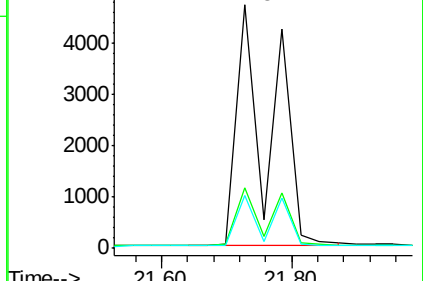
229 21.6 16.9 25.3



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.48 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

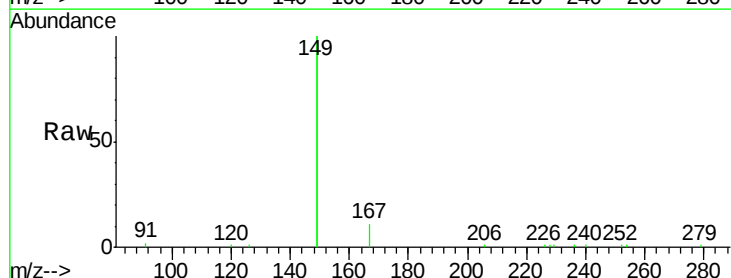
Tgt Ion:149 Resp: 18819

Ion Ratio Lower Upper

149 100

167 5.7 3.8 5.6#

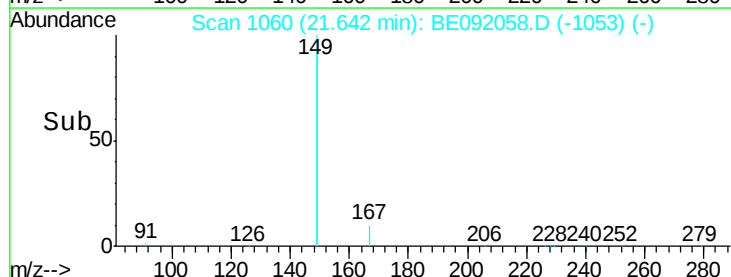
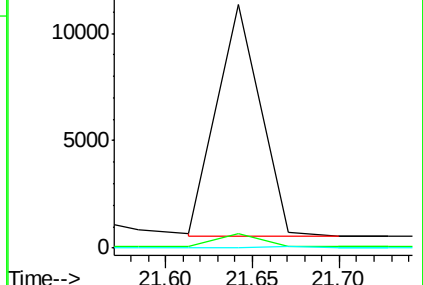
279 0.0 0.0 0.0

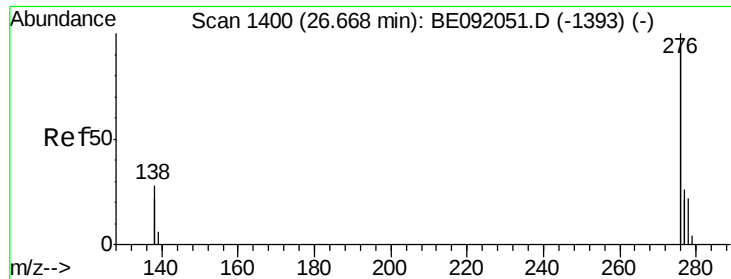


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.45 ng

RT: 26.67 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

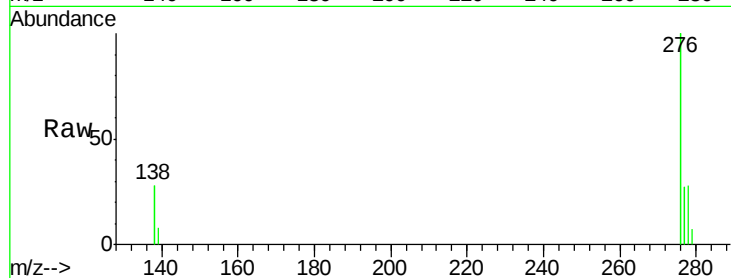
Tgt Ion:276 Resp: 24726

Ion Ratio Lower Upper

276 100

138 27.2 21.2 31.8

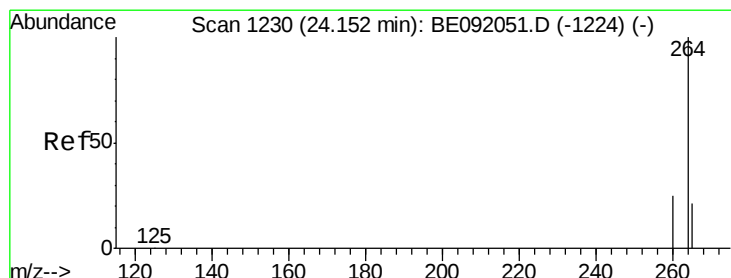
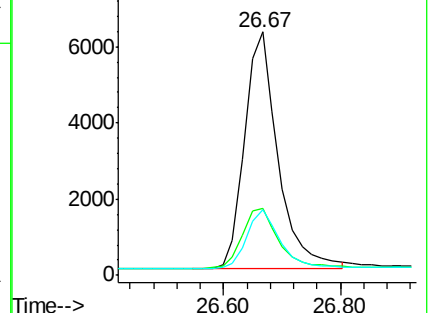
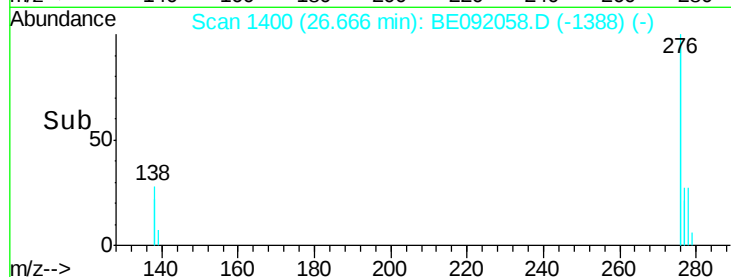
277 24.6 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

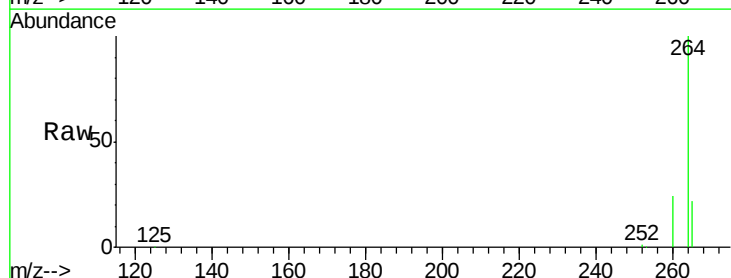
Tgt Ion:264 Resp: 58803

Ion Ratio Lower Upper

264 100

260 24.3 20.8 31.2

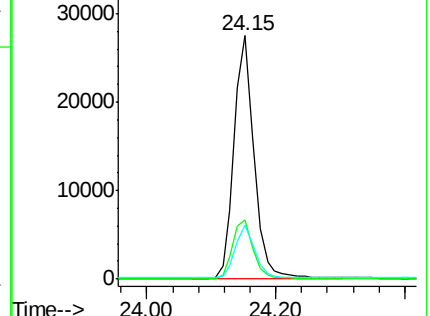
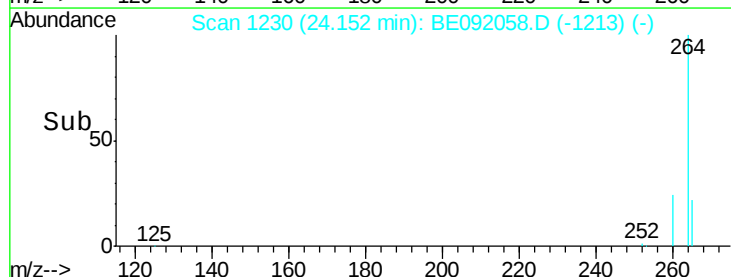
265 22.1 16.6 25.0

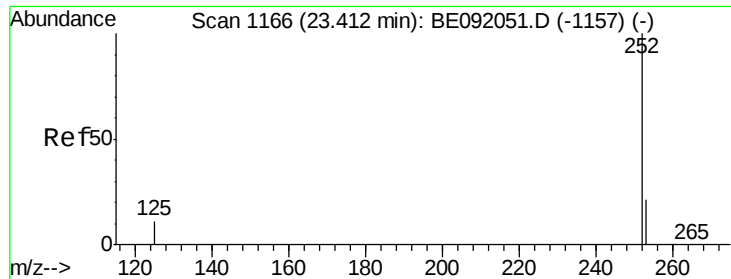


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.41 ng

RT: 23.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

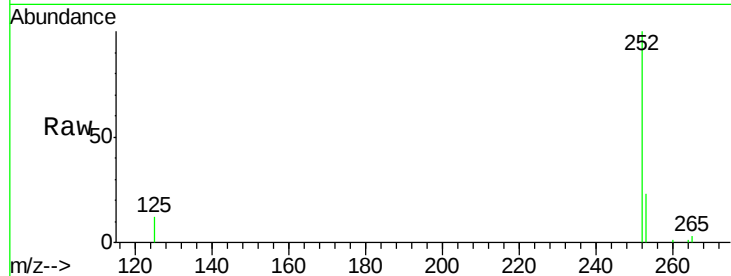
Tgt Ion:252 Resp: 7156

Ion Ratio Lower Upper

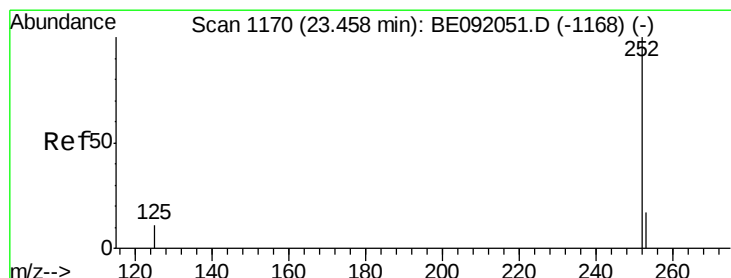
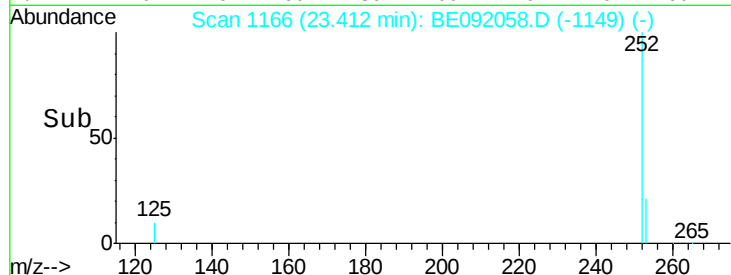
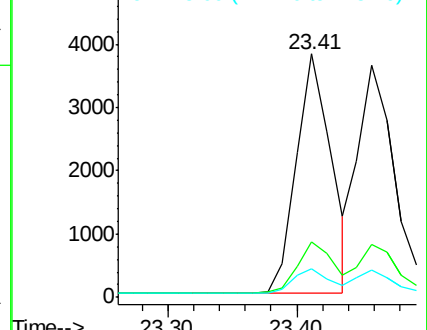
252 100

253 22.9 17.4 26.0

125 11.9 10.2 15.2



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



#42

Benzo(k)fluoranthene

Concen: 0.41 ng

RT: 23.46 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

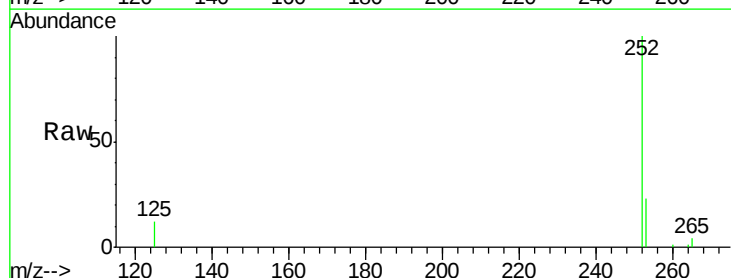
Tgt Ion:252 Resp: 7324

Ion Ratio Lower Upper

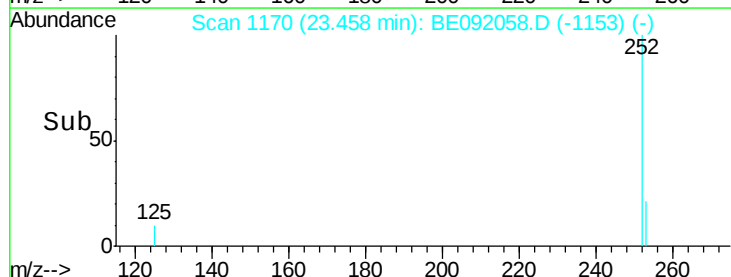
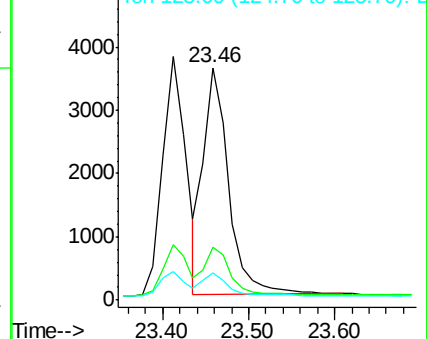
252 100

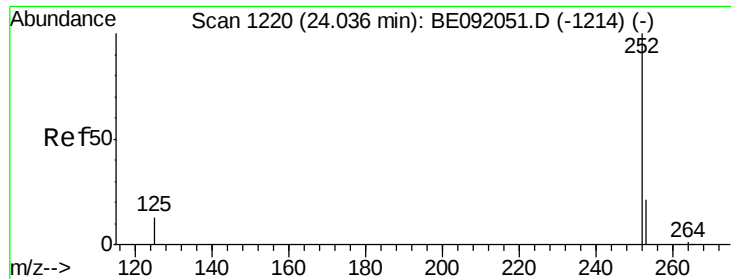
253 22.7 19.4 29.0

125 11.9 8.9 13.3



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





#43

Benzo(a)pyrene

Concen: 0.38 ng

RT: 24.04 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716

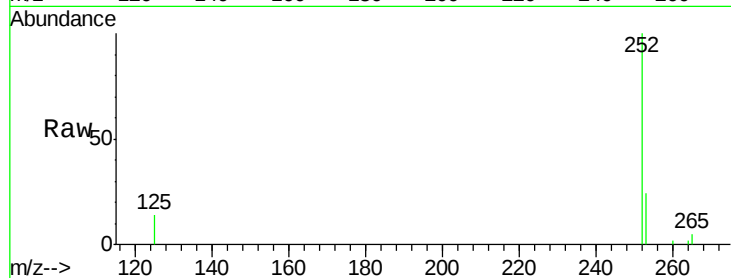
Tgt Ion: 252 Resp: 5637

Ion Ratio Lower Upper

252 100

253 23.8 19.8 29.8

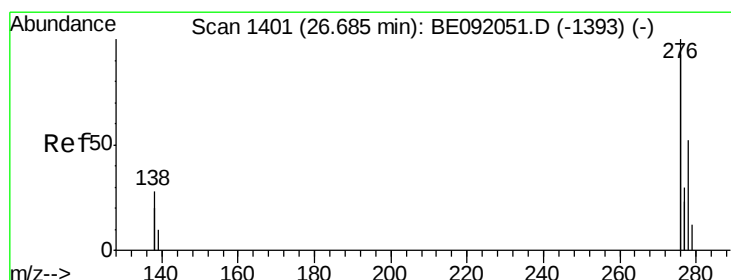
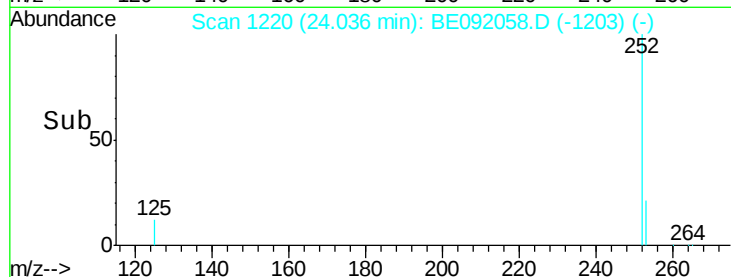
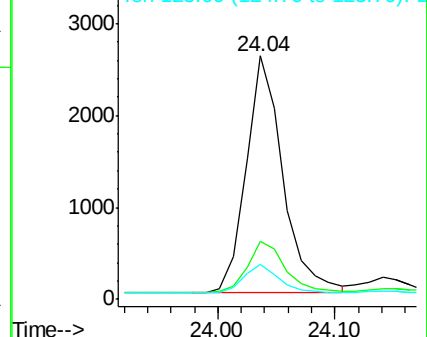
125 14.2 10.4 15.6



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



#44

Dibenzo(a,h)anthracene

Concen: 0.38 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE092058.D

Acq: 27 Jul 2016 15:52

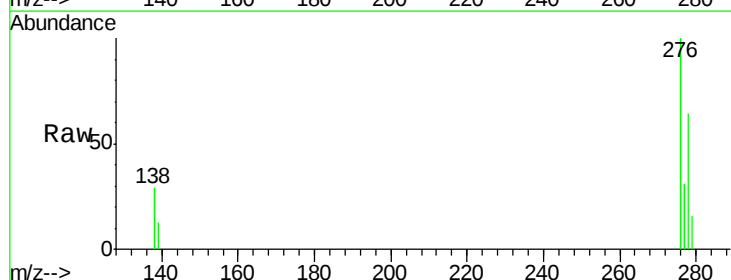
Tgt Ion: 278 Resp: 4994

Ion Ratio Lower Upper

278 100

139 20.4 16.7 25.1

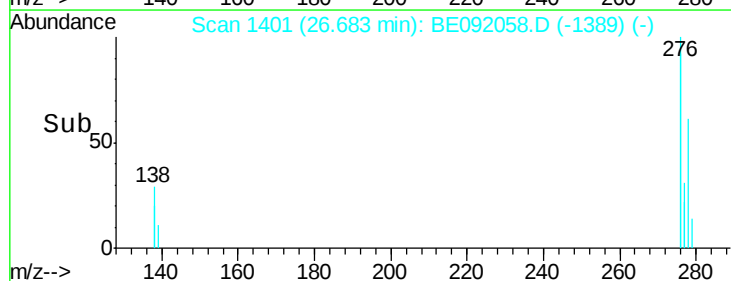
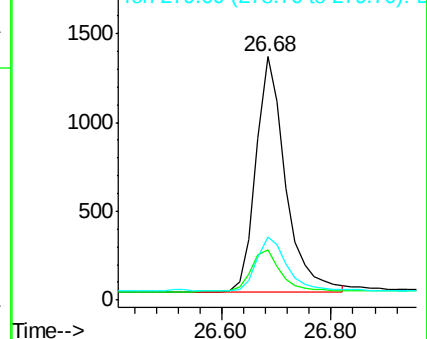
279 25.8 20.3 30.5

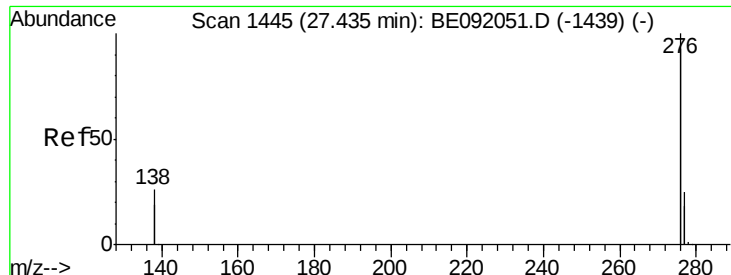


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.39 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE092058.D

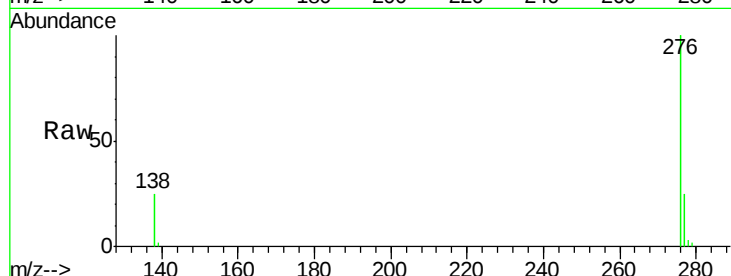
Acq: 27 Jul 2016 15:52

Instrument :

BNA_E

ClientSampleId :

ICVBE072716



Tgt Ion: 276 Resp: 21267

Ion Ratio Lower Upper

276 100

277 25.1 19.5 29.3

138 25.2 20.8 31.2

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

