

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092036.D
 Acq On : 23 Jul 2016 10:11
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jul 25 01:48:24 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	24713	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	130907	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	79218	5.00	ng	0.00
24) Phenanthrene-d10	17.60	188	180354	5.00	ng	0.00
31) Chrysene-d12	21.76	240	188334	5.00	ng	0.00
40) Perylene-d12	24.15	264	167404	5.00	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	2451	0.51	ng	0.00
5) Phenol-d6	7.37	99	3520	0.53	ng	0.00
9) Nitrobenzene-d5	9.36	82	3453	0.44	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	940	0.52	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	9264	0.44	ng	-0.01
34) Terphenyl-d14	20.20	244	10061	0.53	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1229	0.37	ng	# 88
3) n-Nitrosodimethylamine	3.82	42	1485	0.40	ng	# 1
6) bis(2-Chloroethyl)ether	7.61	93	3059	0.43	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	2727	0.45	ng	# 98
10) Nitrobenzene	9.40	77	3749	0.47	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	3972	0.40	ng	# 22
12) Naphthalene	11.04	128	12062	0.41	ng	98
13) Hexachlorobutadiene	11.34	225	1692	0.40	ng	98
14) 2-Methylnaphthalene	12.68	142	7709	0.41	ng	90
18) Acenaphthylene	14.56	152	59833	0.49	ng	# 71
19) 2,6-Dinitrotoluene	14.44	165	6697	0.45	ng	# 10
20) Acenaphthene	14.92	154	7802	0.38	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	9807	0.77	ng	# 51
22) Fluorene	15.90	166	11129	0.45	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	5168	0.42	ng	95
25) 4-Bromophenyl-phenylether	16.78	248	3167	0.42	ng	97
26) Hexachlorobenzene	16.90	284	3330	0.43	ng	99
27) Pentachlorophenol	17.25	266	738	0.56	ng	89
28) Phenanthrene	17.63	178	19115	0.41	ng	100
29) Anthracene	17.72	178	17690	0.42	ng	100
30) Fluoranthene	19.63	202	73604	0.40	ng	# 67
32) Benzidine	19.83	184	5549	0.77	ng	# 93
33) Pyrene	19.99	202	84000	0.61	ng	# 81
35) Benzo(a)anthracene	21.73	228	52753	1.24	ng	98
36) 3,3'-Dichlorobenzidine	21.67	252	6127	0.98	ng	# 70
37) Chrysene	21.73	228	53077	1.03	ng	91
38) Bis(2-ethylhexyl)phthalate	21.64	149	53572	1.51	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	80781	0.57	ng	98
41) Benzo(b)fluoranthene	23.42	252	20403	0.46	ng	96
42) Benzo(k)fluoranthene	23.47	252	17064	0.38	ng	99
43) Benzo(a)pyrene	24.05	252	17641	0.43	ng	98
44) Dibenzo(a,h)anthracene	26.69	278	16474	0.45	ng	# 96
45) Benzo(g,h,i)perylene	27.43	276	68488	0.46	ng	98

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration

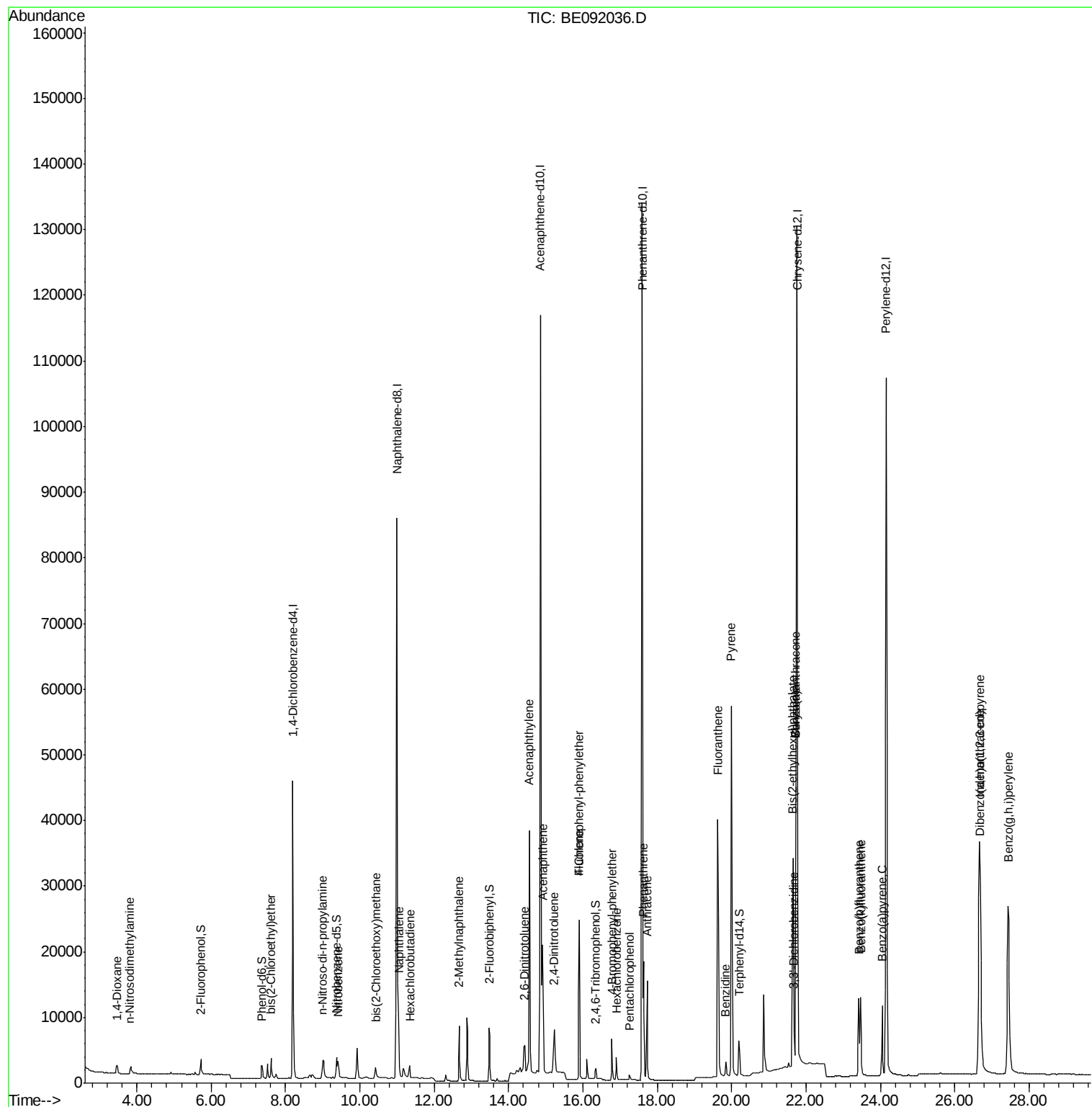
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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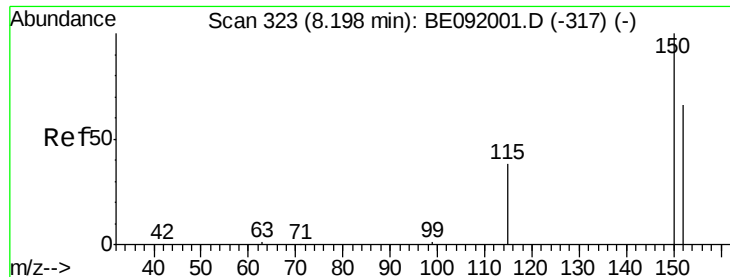
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

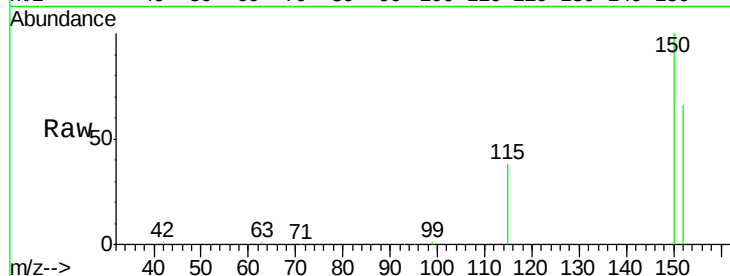
Tgt Ion: 152 Resp: 24713

Ion Ratio Lower Upper

152 100

150 151.3 123.9 185.9

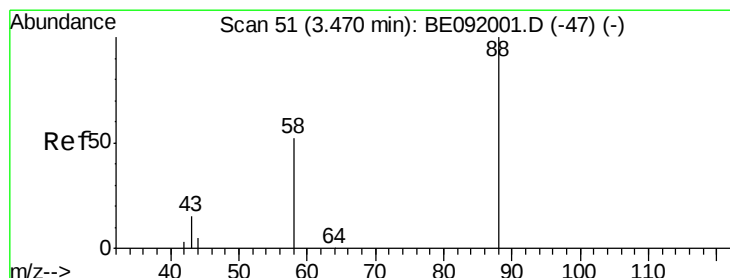
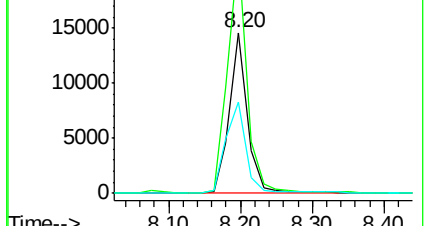
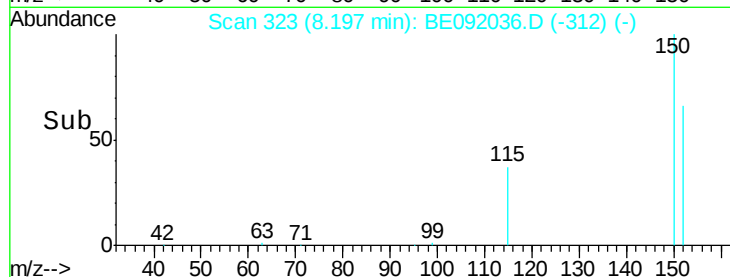
115 57.0 48.3 72.5



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: 0.37 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

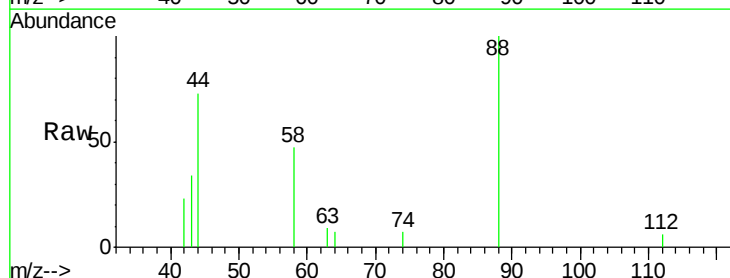
Tgt Ion: 88 Resp: 1229

Ion Ratio Lower Upper

88 100

58 88.8 63.0 94.4

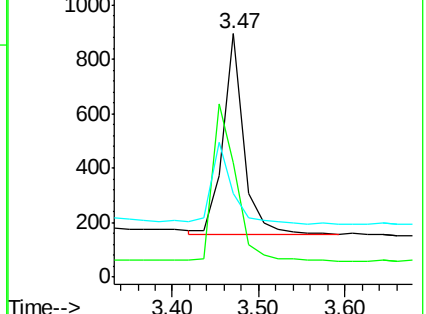
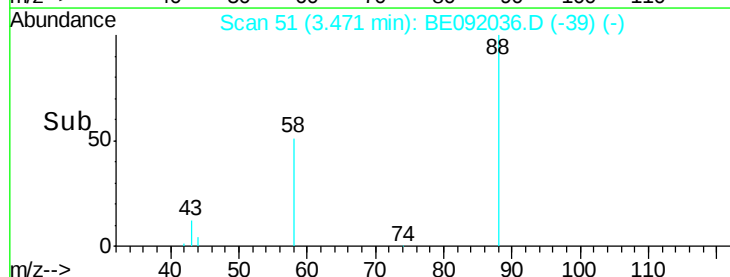
43 44.2 29.1 43.7#

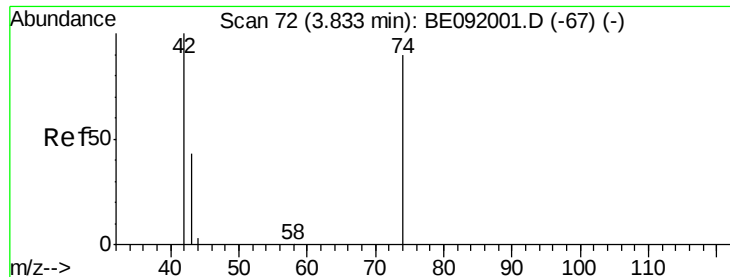


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.40 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.02 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

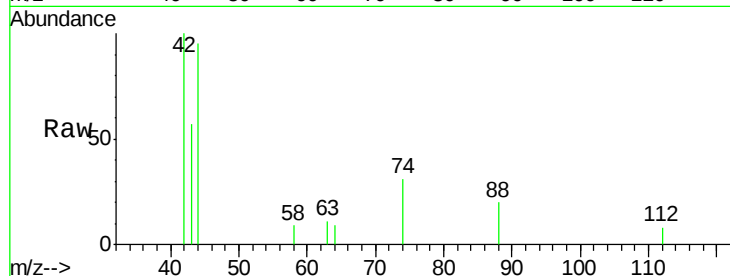
Tgt Ion: 42 Resp: 1485

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

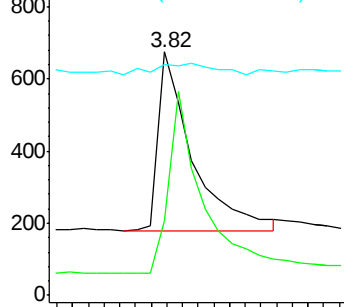
44 0.0 5.0 7.6#



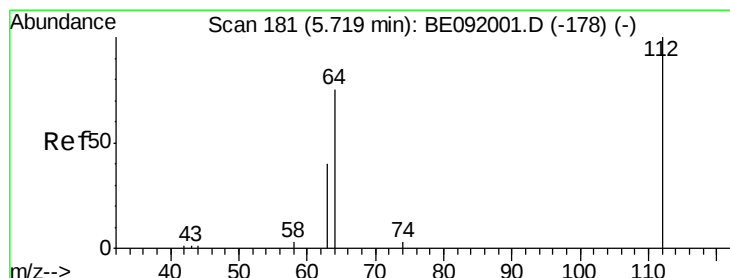
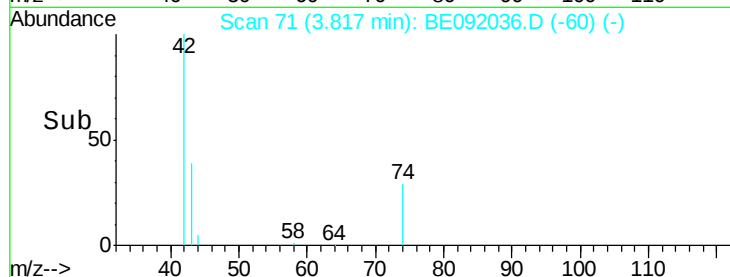
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.51 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

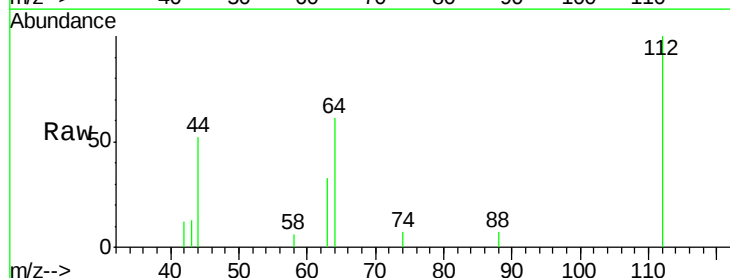
Tgt Ion: 112 Resp: 2451

Ion Ratio Lower Upper

112 100

64 67.7 53.7 80.5

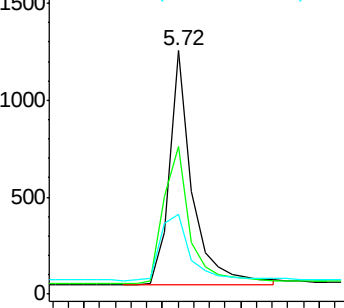
63 36.6 29.5 44.3



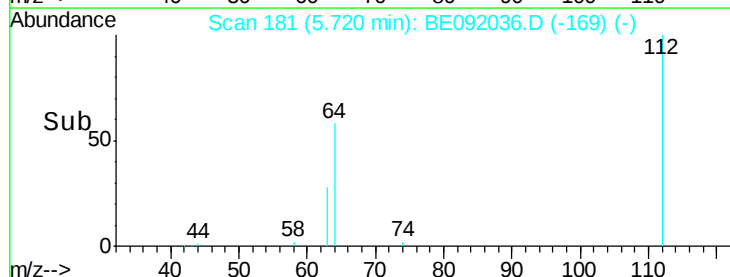
Abundance Ion 112.00 (111.70 to 112.70): E

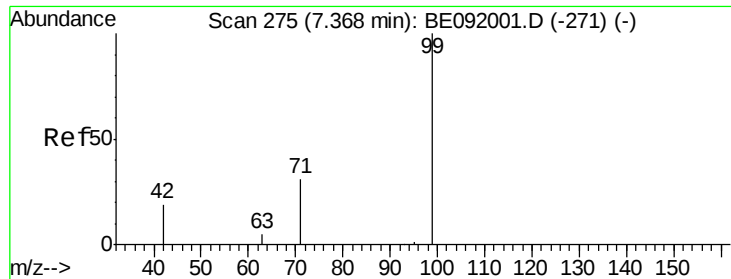
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.53 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

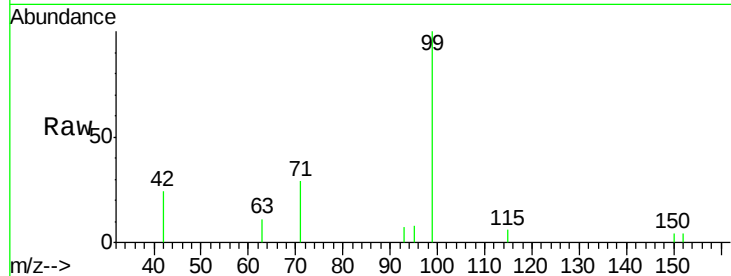
Tgt Ion: 99 Resp: 3520

Ion Ratio Lower Upper

99 100

42 25.7 19.6 29.4

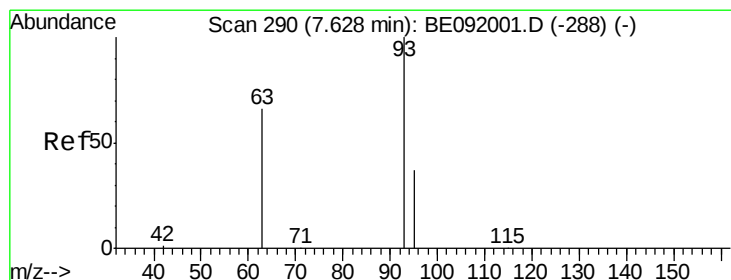
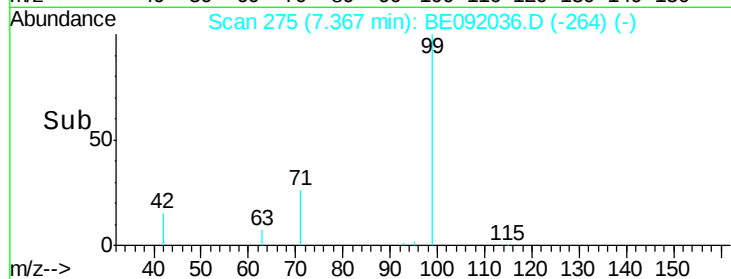
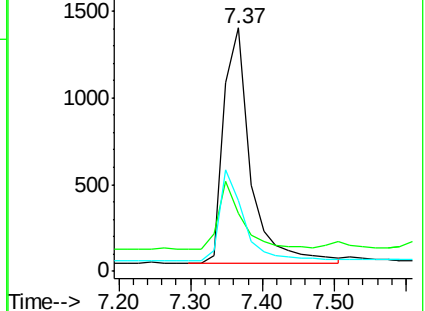
71 36.1 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.43 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

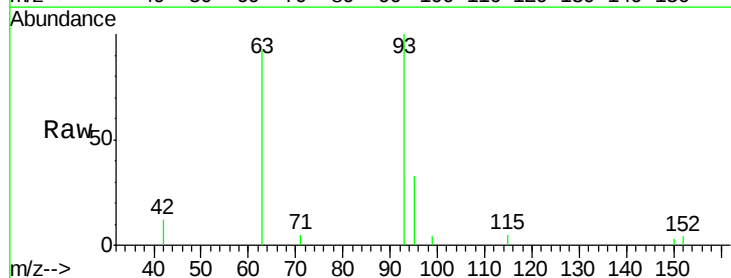
Tgt Ion: 93 Resp: 3059

Ion Ratio Lower Upper

93 100

63 80.0 66.2 99.4

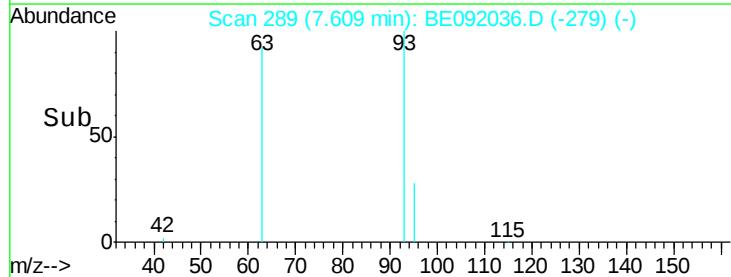
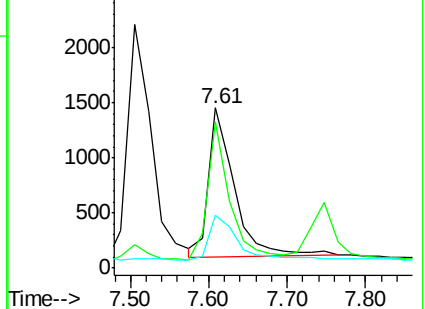
95 32.5 25.5 38.3

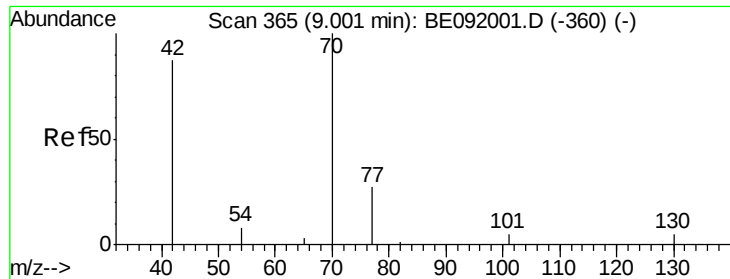


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.45 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 2727

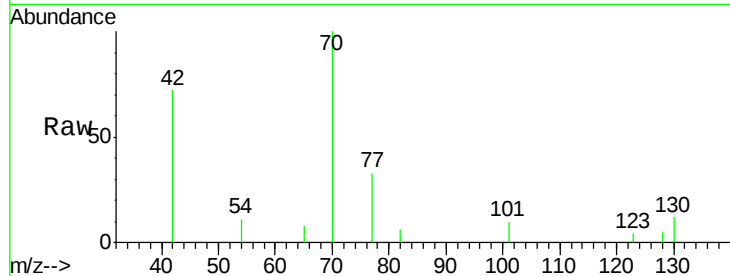
Ion Ratio Lower Upper

70 100

42 74.6 58.4 87.6

101 8.1 6.4 9.6

130 16.1 0.0 0.0#

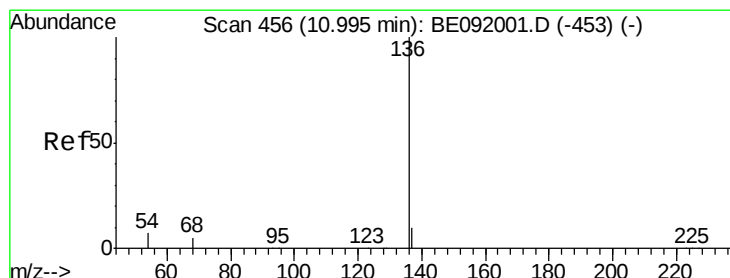
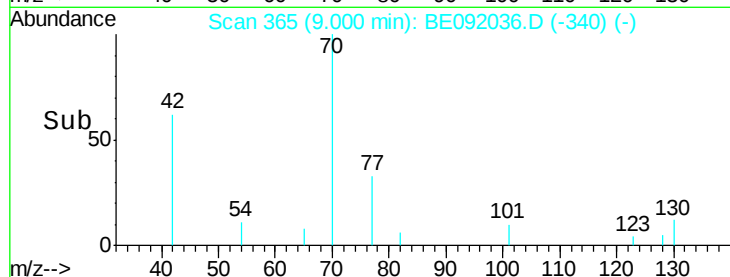
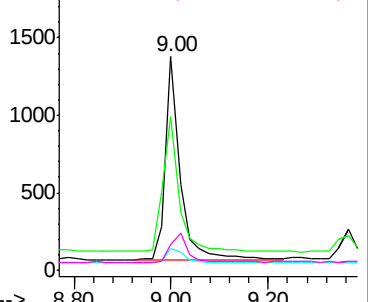


Abundance Ion 70.00 (69.70 to 70.70): BE0

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: BE092036.D

Acq: 23 Jul 2016 10:11

Tgt Ion: 136 Resp: 130907

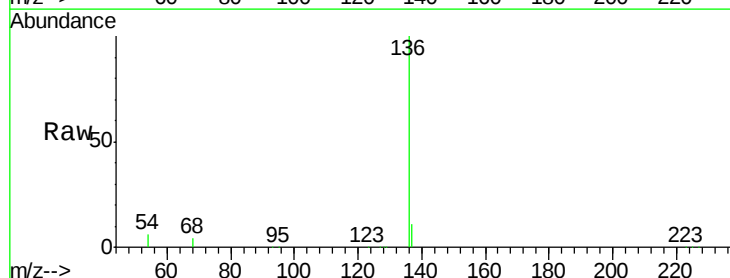
Ion Ratio Lower Upper

136 100

137 10.7 8.3 12.5

54 5.7 8.2 12.4#

68 4.4 5.9 8.9#

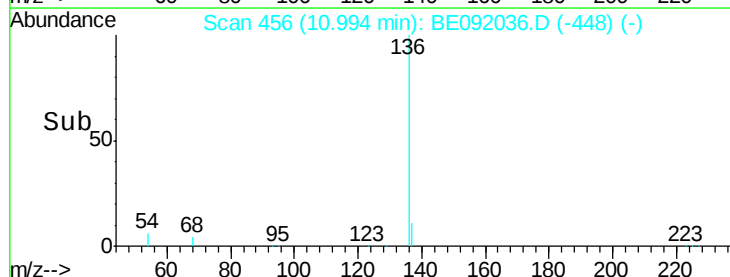
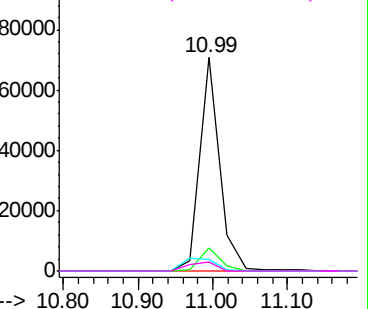


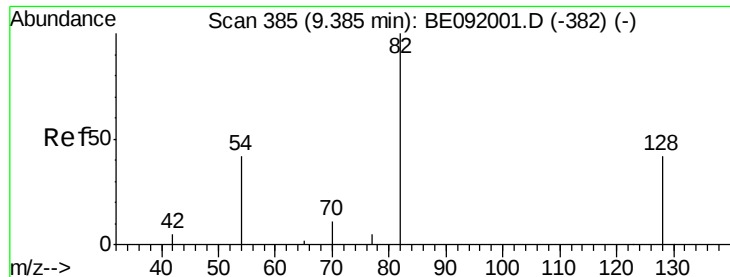
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.44 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

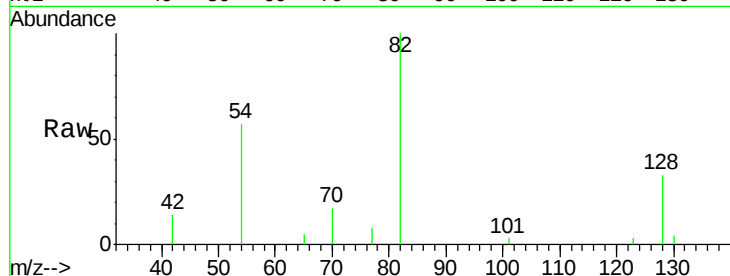
Tgt Ion: 82 Resp: 3453

Ion Ratio Lower Upper

82 100

128 33.5 39.5 59.3#

54 56.6 30.3 45.5#

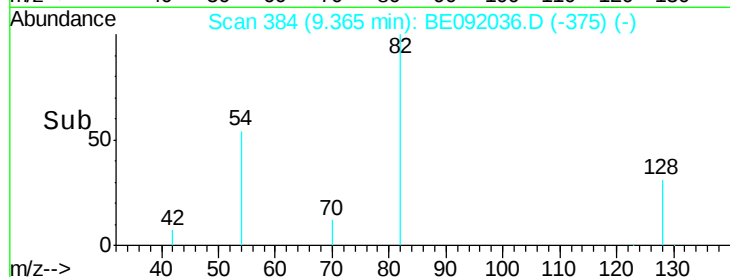


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



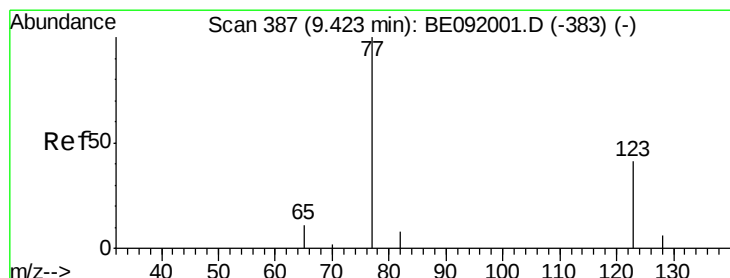
Abundance

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

Time-->



#10

Nitrobenzene

Concen: 0.47 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

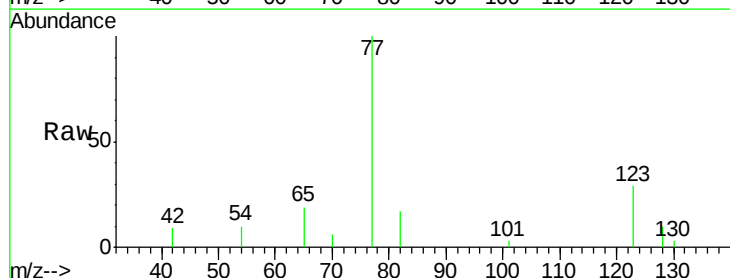
Tgt Ion: 77 Resp: 3749

Ion Ratio Lower Upper

77 100

123 37.4 0.0 0.0#

65 13.9 11.1 16.7

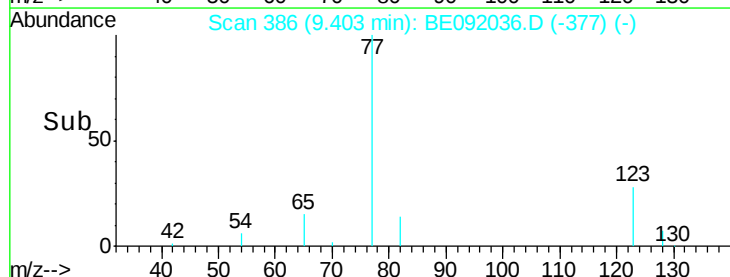


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->



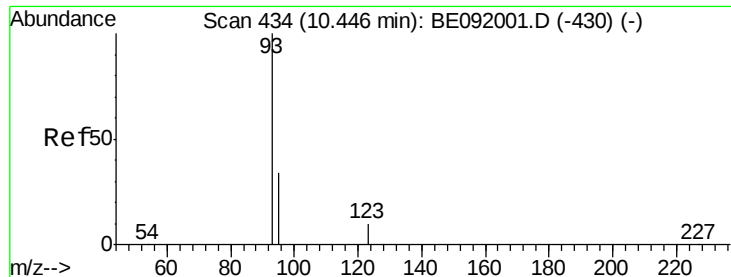
Abundance

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

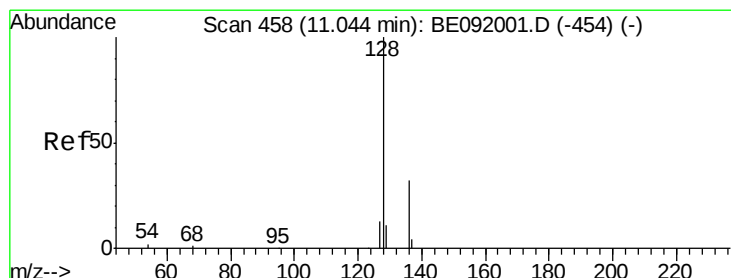
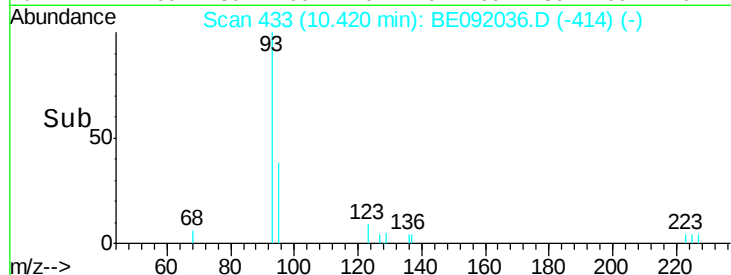
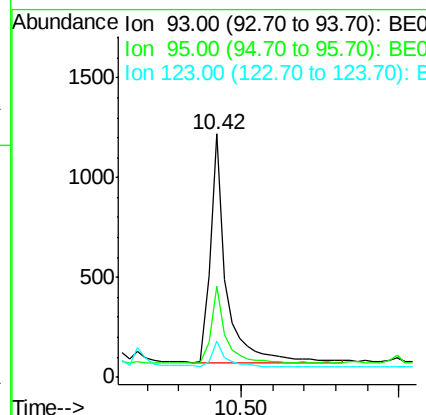
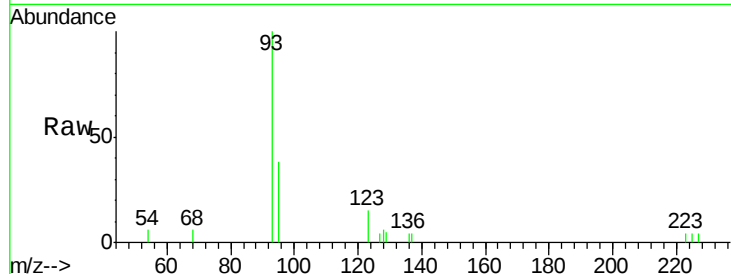
Time-->



#11
bis(2-Chloroethoxy)methane
Concen: 0.40 ng
RT: 10.42 min Scan# 433
Delta R.T. -0.03 min
Lab File: BE092036.D
Acq: 23 Jul 2016 10:11

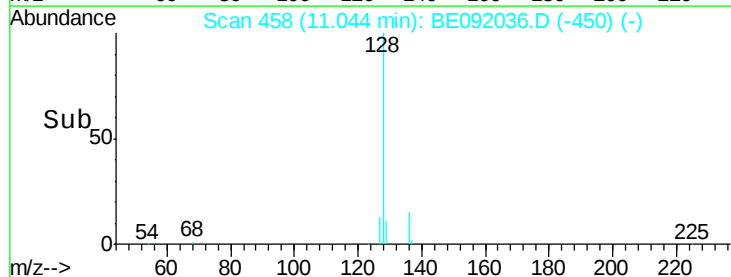
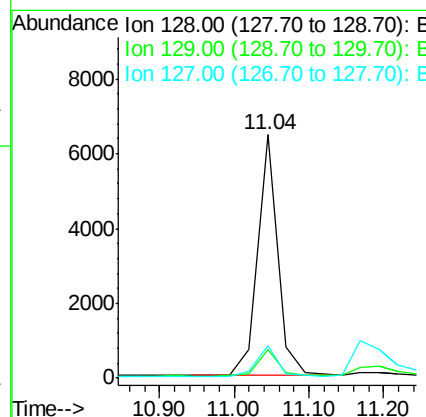
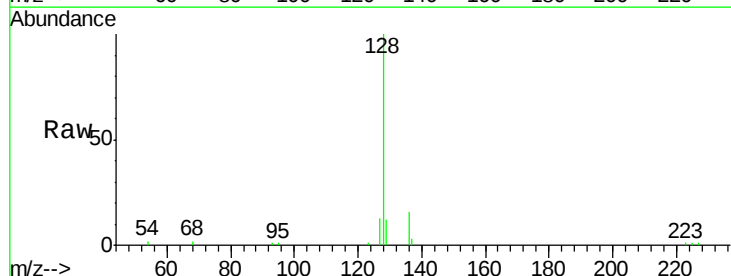
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

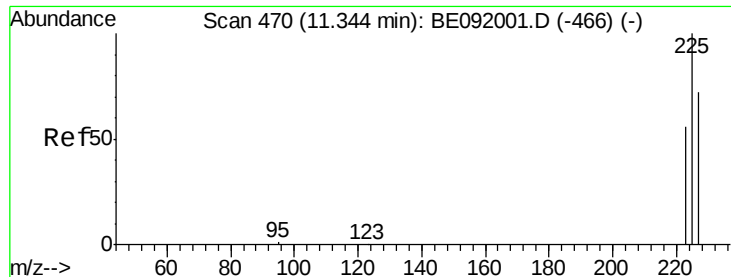
Tgt Ion: 93 Resp: 3972
Ion Ratio Lower Upper
93 100
95 41.9 57.6 86.4#
123 9.3 100.2 150.4#



#12
Naphthalene
Concen: 0.41 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE092036.D
Acq: 23 Jul 2016 10:11

Tgt Ion: 128 Resp: 12062
Ion Ratio Lower Upper
128 100
129 11.8 10.4 15.6
127 13.3 10.2 15.2

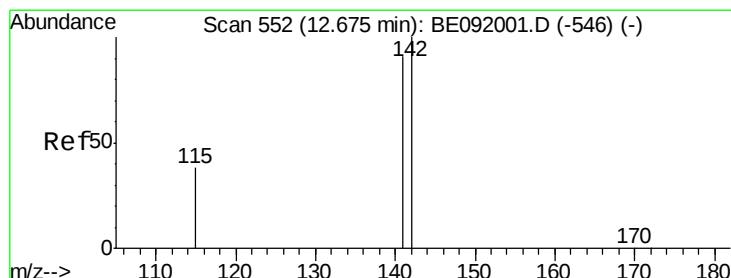
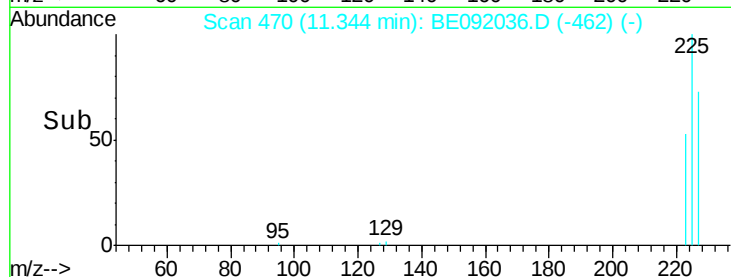
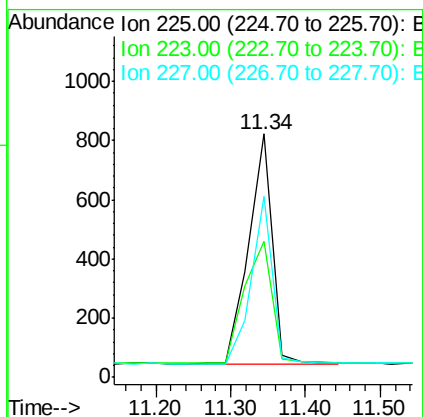
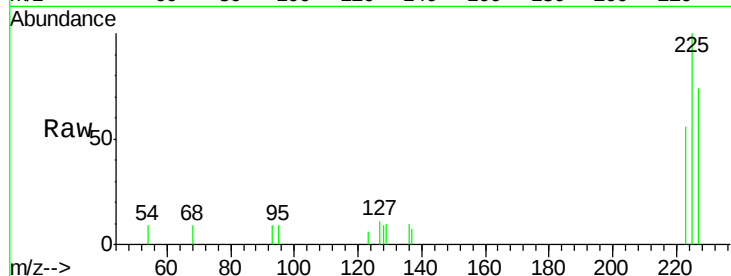




#13
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE092036.D
Acq: 23 Jul 2016 10:11

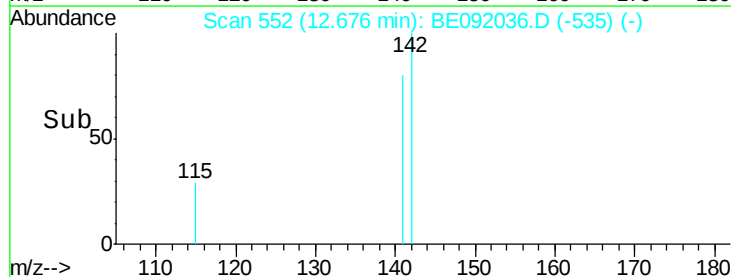
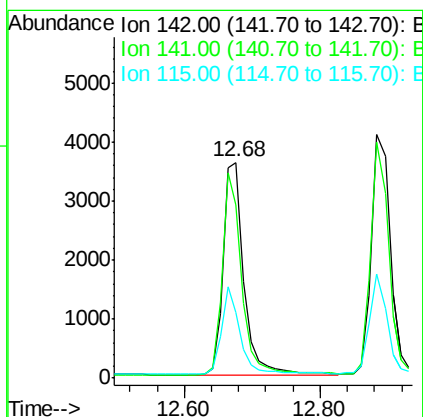
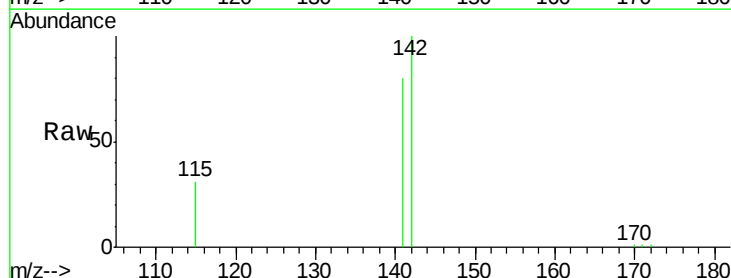
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

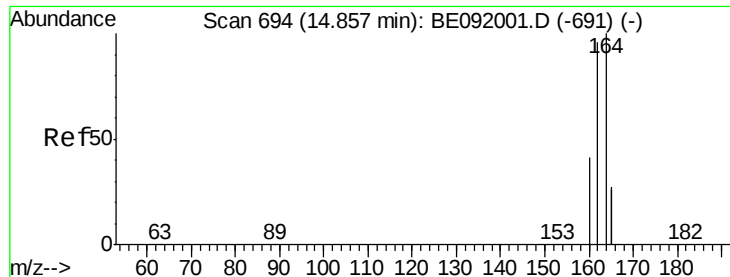
Tgt Ion: 225 Resp: 1692
Ion Ratio Lower Upper
225 100
223 61.3 49.8 74.8
227 65.8 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092036.D
Acq: 23 Jul 2016 10:11

Tgt Ion: 142 Resp: 7709
Ion Ratio Lower Upper
142 100
141 80.5 71.9 107.9
115 30.6 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

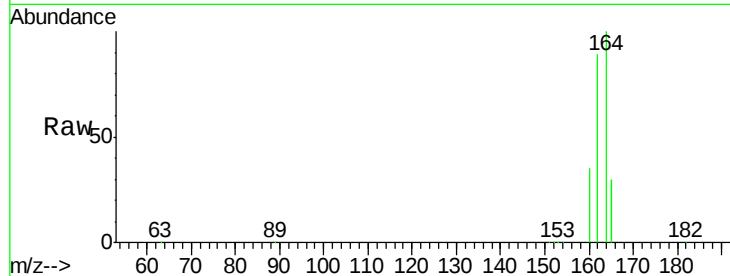
Tgt Ion:164 Resp: 79218

Ion Ratio Lower Upper

164 100

162 89.4 71.8 107.8

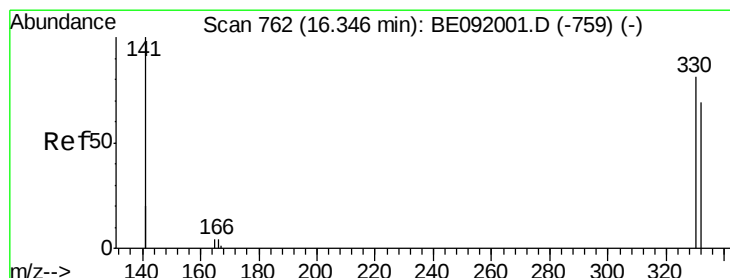
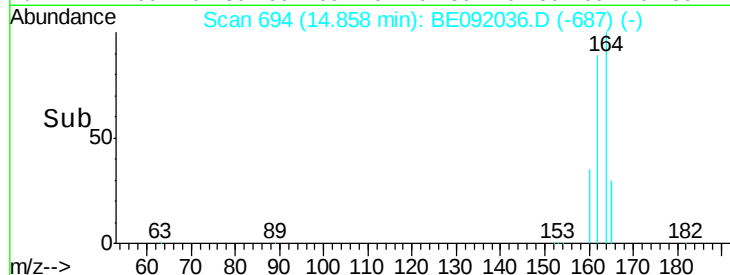
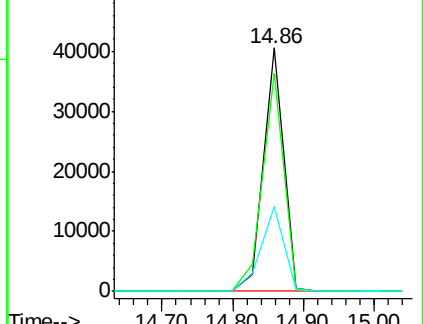
160 34.7 28.0 42.0



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: 0.52 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

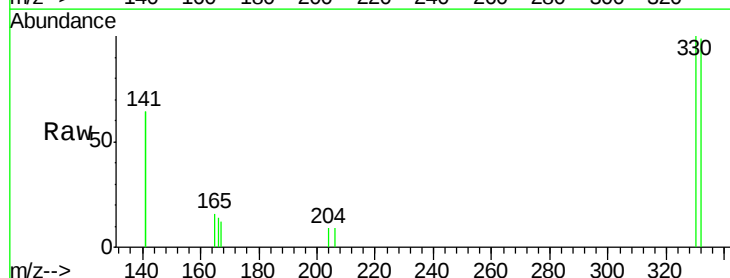
Tgt Ion:330 Resp: 940

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

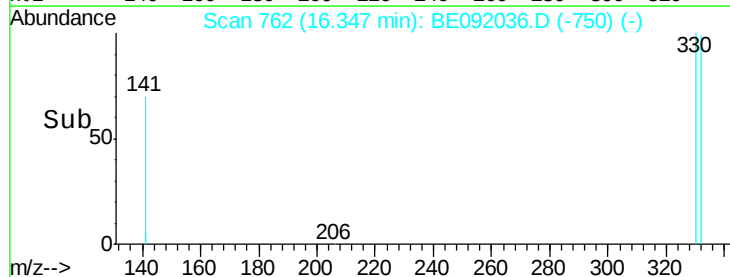
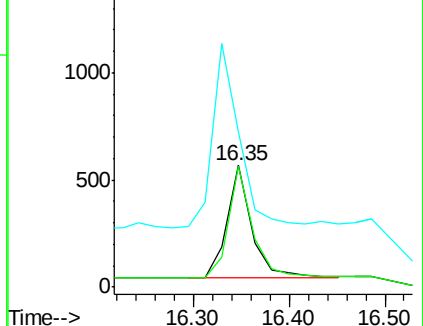
141 179.4 138.4 207.6

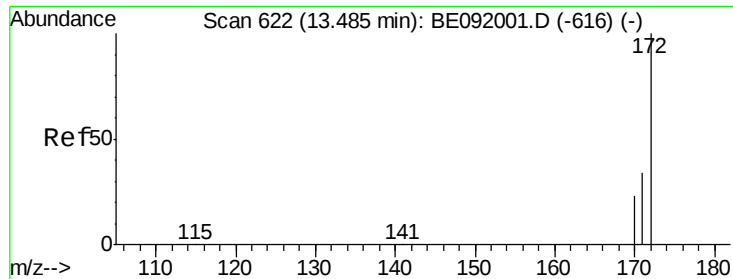


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

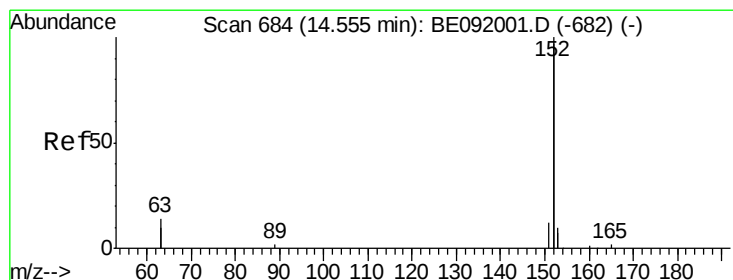
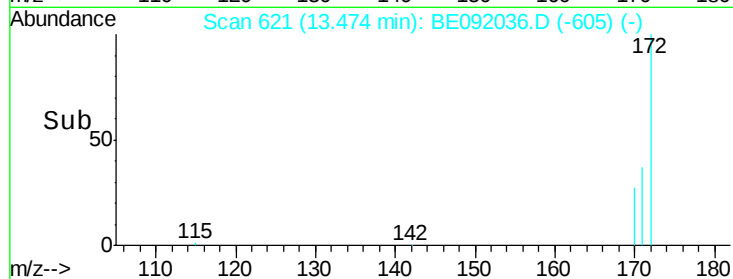
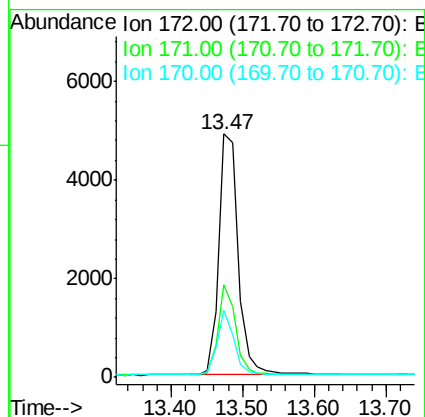
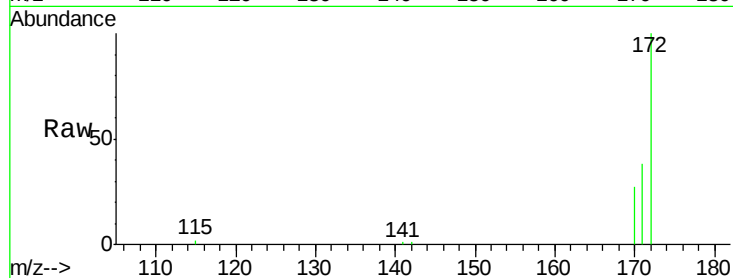




#17
 2-Fluorobiphenyl
 Concen: 0.44 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092036.D
 Acq: 23 Jul 2016 10:11

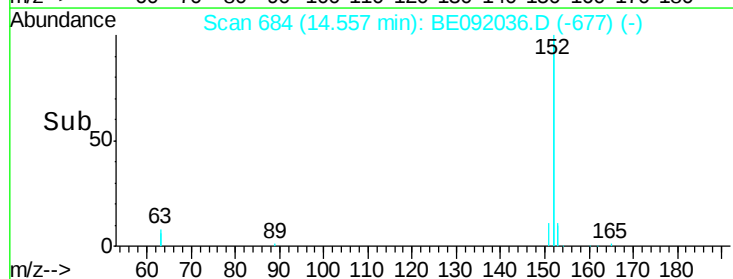
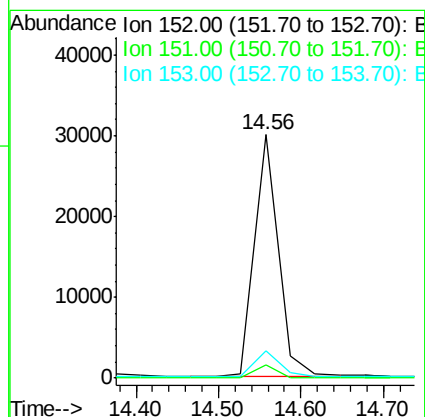
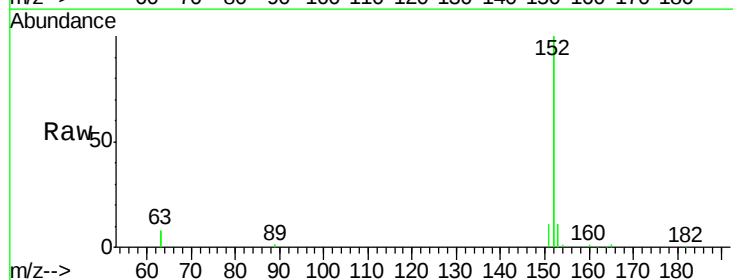
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

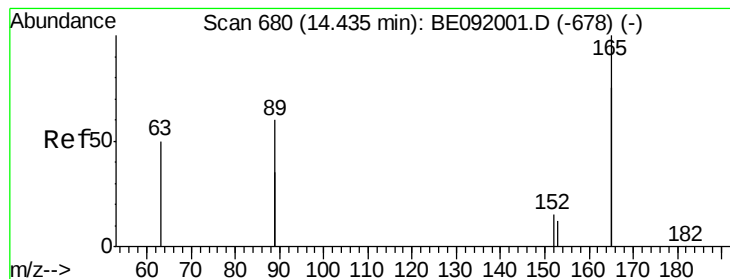
Tgt Ion:172 Resp: 9264
 Ion Ratio Lower Upper
 172 100
 171 37.9 24.3 36.5#
 170 27.5 14.9 22.3#



#18
 Acenaphthylene
 Concen: 0.49 ng
 RT: 14.56 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BE092036.D
 Acq: 23 Jul 2016 10:11

Tgt Ion:152 Resp: 59833
 Ion Ratio Lower Upper
 152 100
 151 5.2 19.4 29.2#
 153 11.3 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.45 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

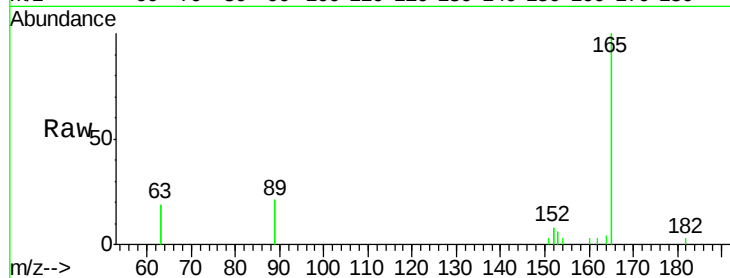
Tgt Ion:165 Resp: 6697

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

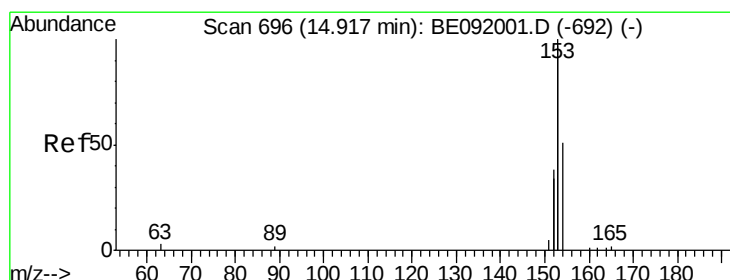
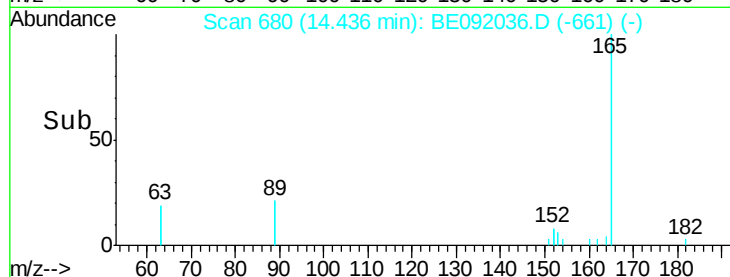
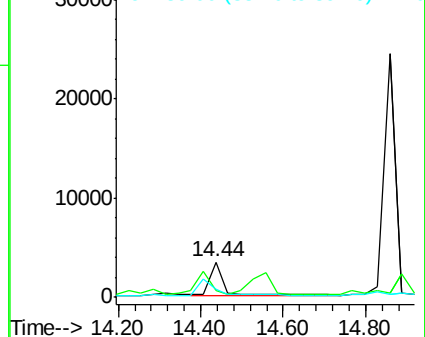
89 0.0 59.1 88.7#



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



#20

Acenaphthene

Concen: 0.38 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

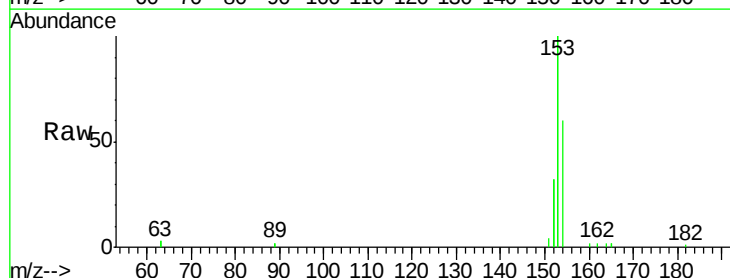
Tgt Ion:154 Resp: 7802

Ion Ratio Lower Upper

154 100

153 385.6 88.1 132.1#

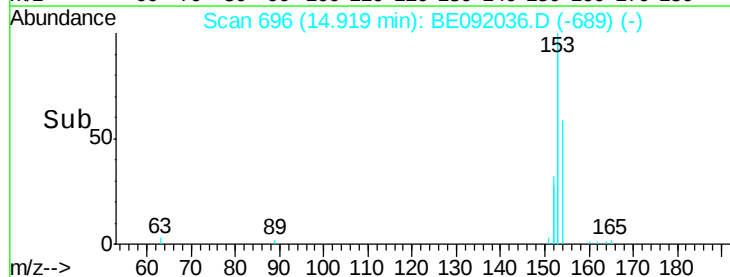
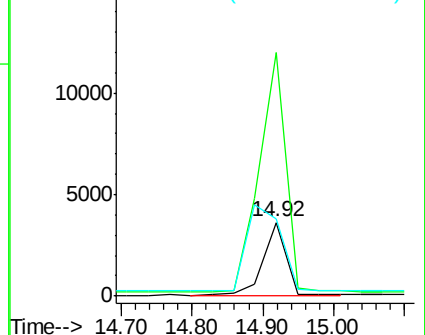
152 0.0 44.2 66.2#

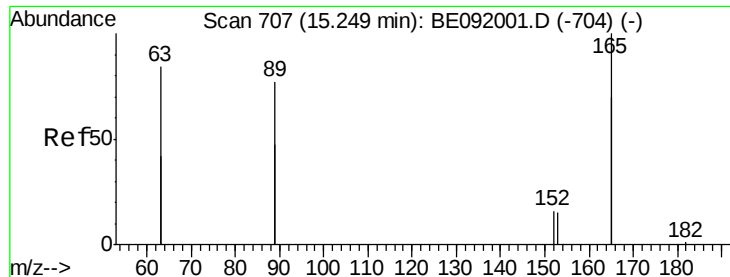


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.77 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:165 Resp: 9807

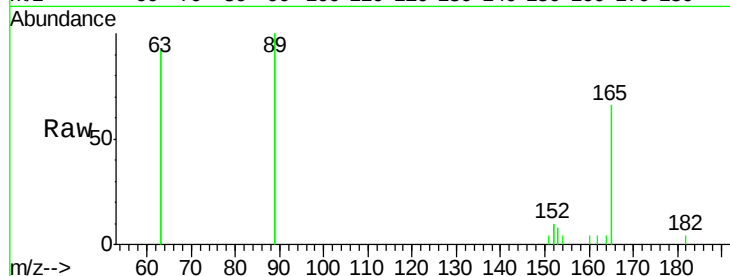
Ion Ratio Lower Upper

165 100

63 160.0 0.0 0.0#

89 69.6 99.8 149.8#

182 0.0 0.0 0.0

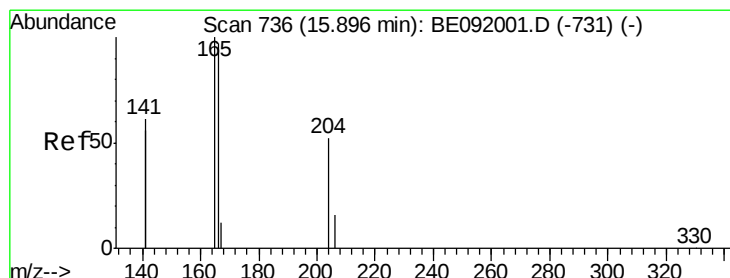
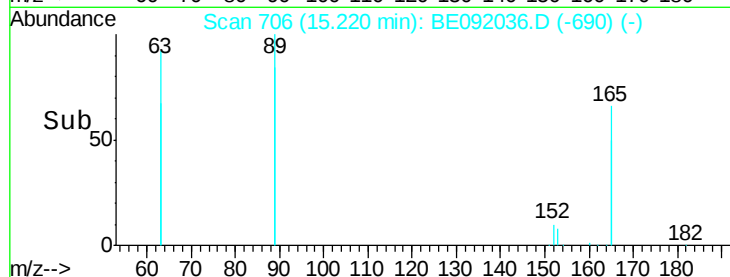
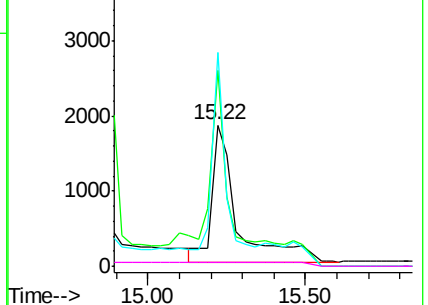


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.45 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

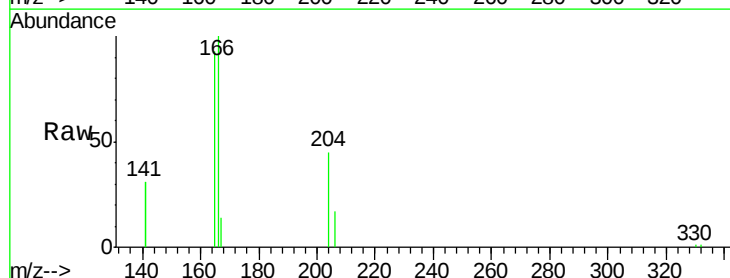
Tgt Ion:166 Resp: 11129

Ion Ratio Lower Upper

166 100

165 98.2 78.6 117.8

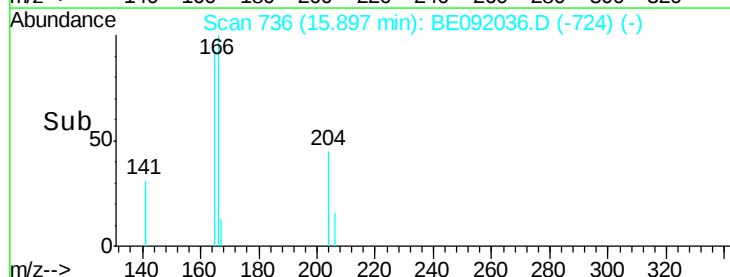
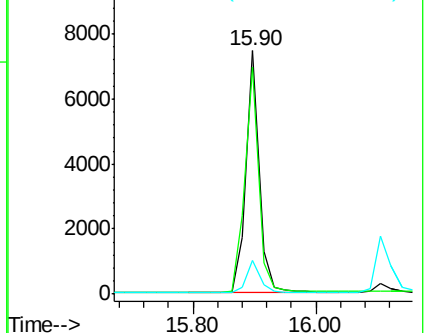
167 13.4 10.8 16.2

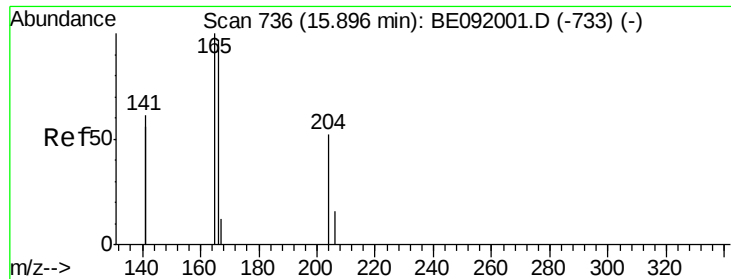


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

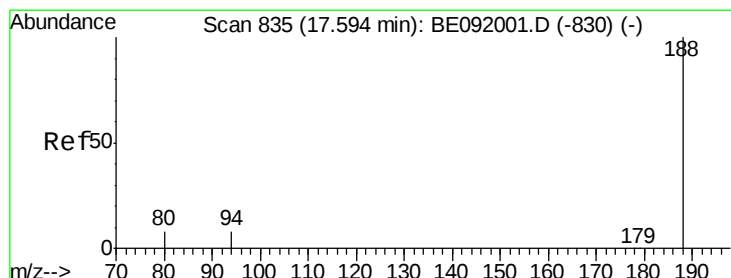
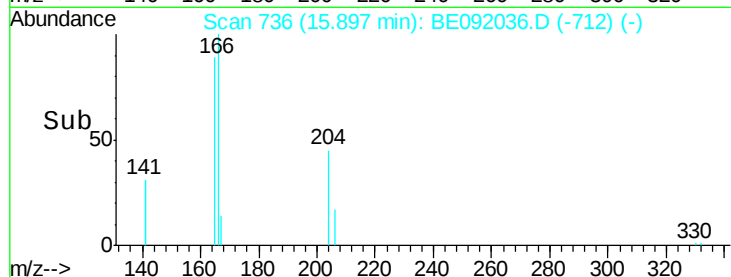
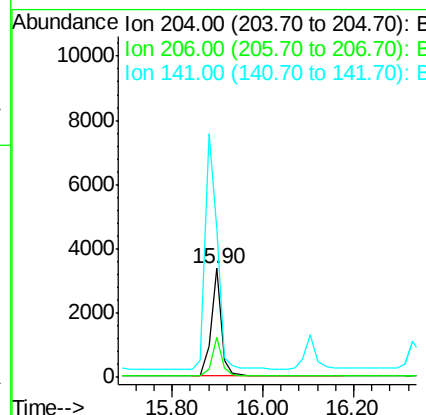
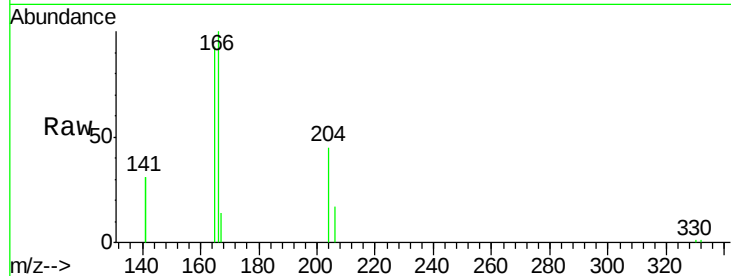




#23
 4-Chlorophenyl-phenylether
 Concen: 0.42 ng
 RT: 15.90 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BE092036.D
 Acq: 23 Jul 2016 10:11

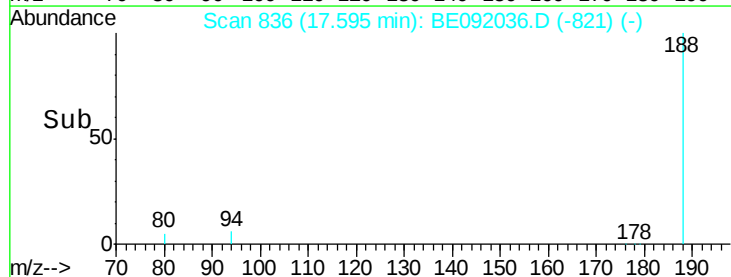
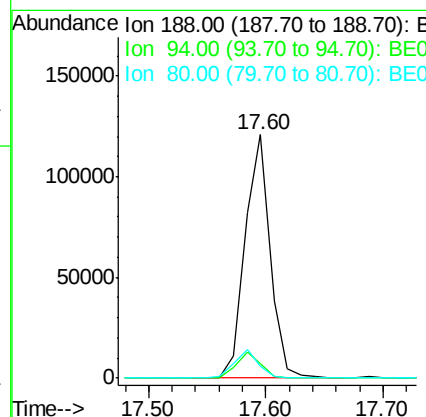
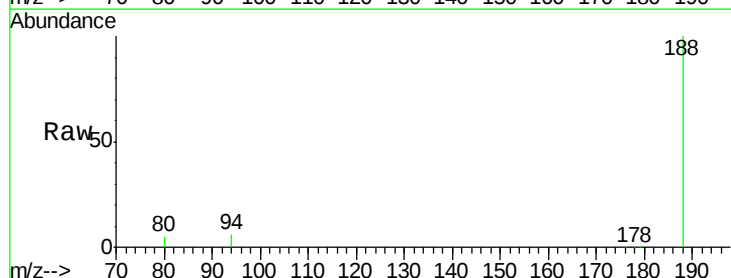
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

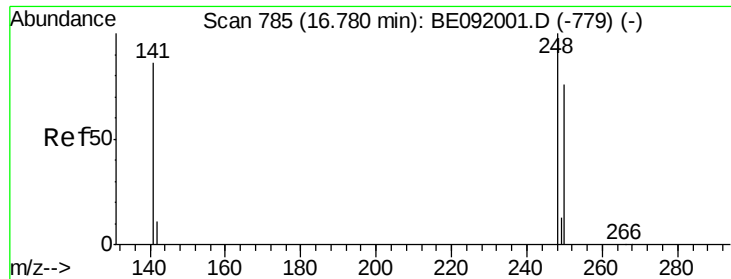
Tgt Ion:204 Resp: 5168
 Ion Ratio Lower Upper
 204 100
 206 33.7 27.8 41.6
 141 256.8 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.60 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BE092036.D
 Acq: 23 Jul 2016 10:11

Tgt Ion:188 Resp: 180354
 Ion Ratio Lower Upper
 188 100
 94 5.7 4.1 6.1
 80 4.9 3.4 5.2

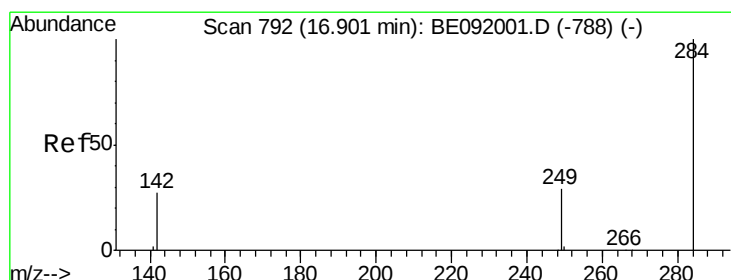
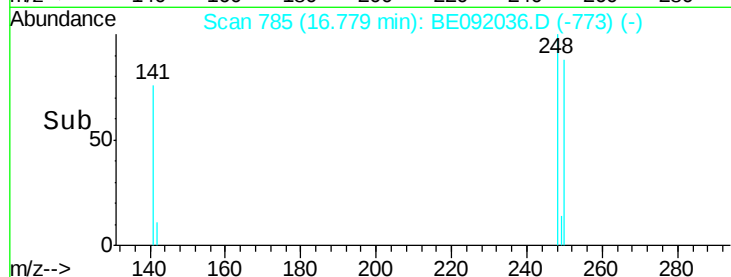
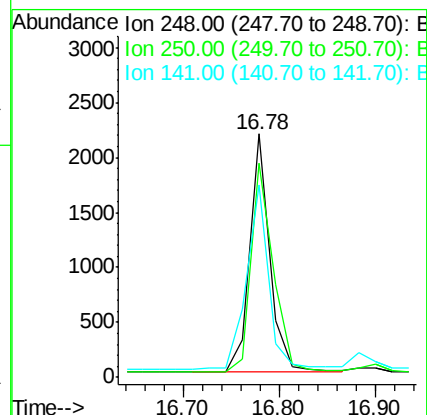
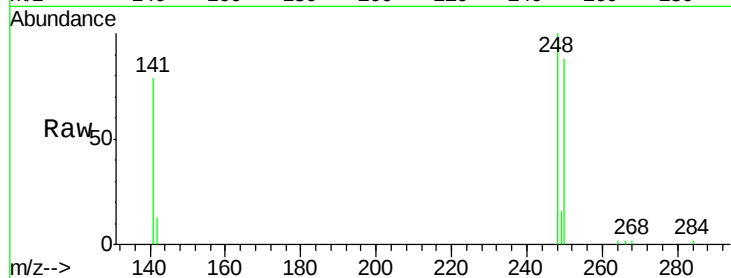




#25
4-Bromophenyl-phenylether
Concen: 0.42 ng
RT: 16.78 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE092036.D
Acq: 23 Jul 2016 10:11

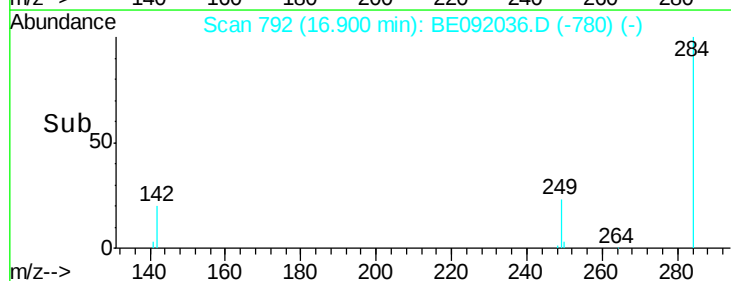
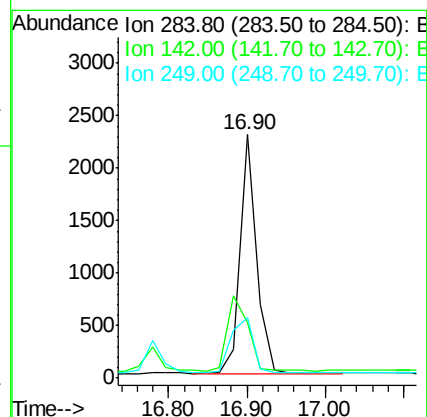
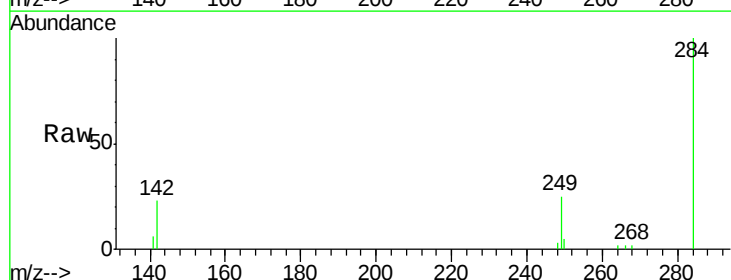
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

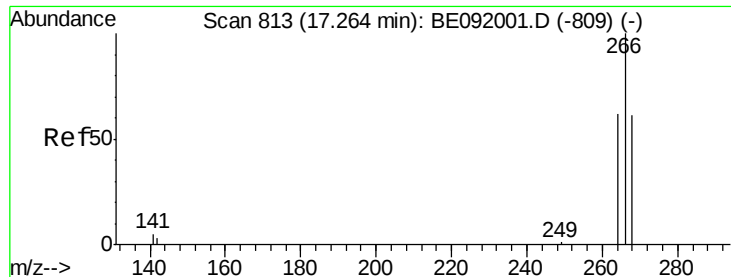
Tgt Ion:248 Resp: 3167
Ion Ratio Lower Upper
248 100
250 96.5 75.7 113.5
141 83.9 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.43 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.00 min
Lab File: BE092036.D
Acq: 23 Jul 2016 10:11

Tgt Ion:284 Resp: 3330
Ion Ratio Lower Upper
284 100
142 39.1 31.4 47.2
249 30.6 25.3 37.9





#27

Pentachlorophenol

Concen: 0.56 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

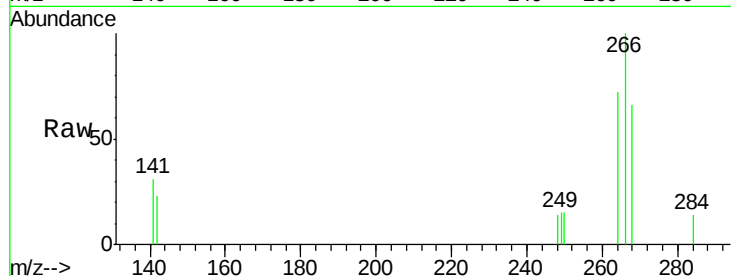
Tgt Ion:266 Resp: 738

Ion Ratio Lower Upper

266 100

268 66.1 60.5 90.7

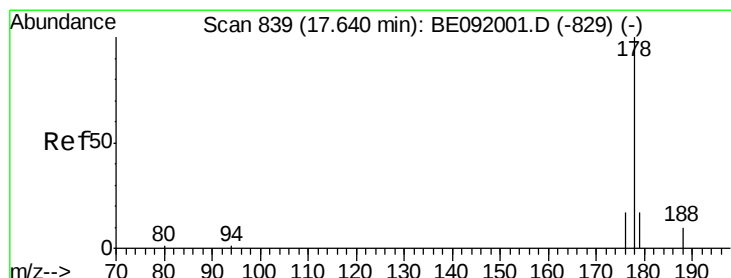
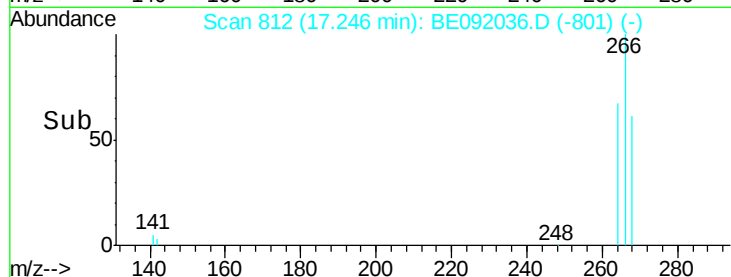
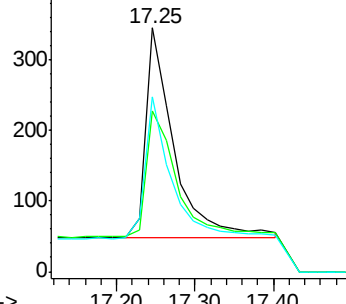
264 71.6 51.0 76.4



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: 0.41 ng

RT: 17.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

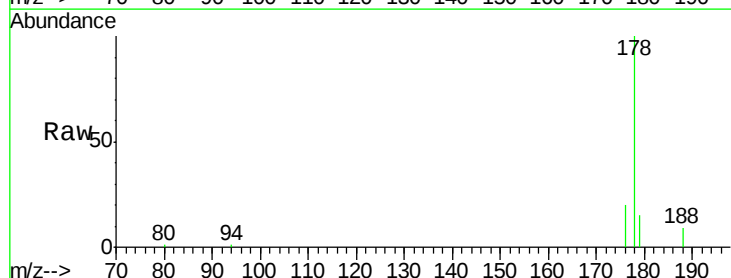
Tgt Ion:178 Resp: 19115

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

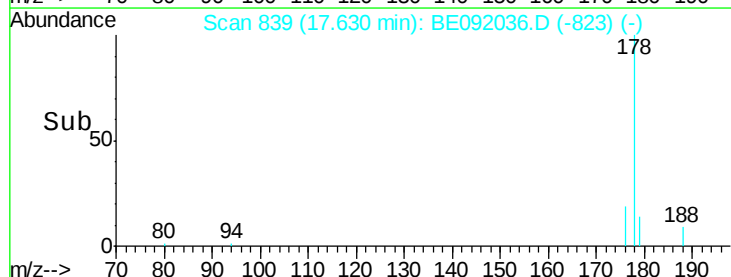
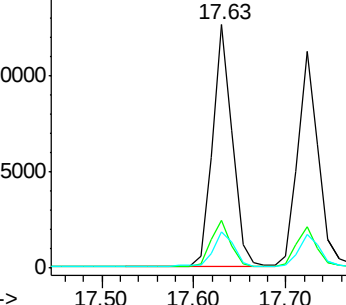
179 15.8 12.9 19.3

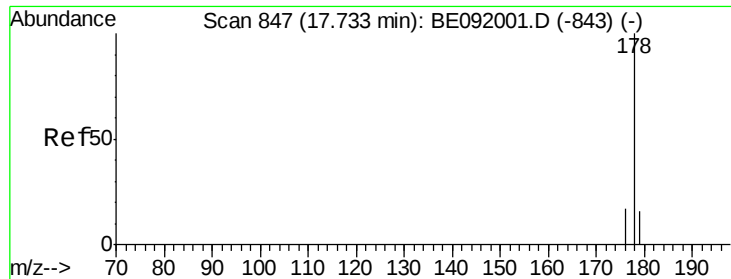


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.42 ng

RT: 17.72 min Scan# 847

Delta R.T. -0.01 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

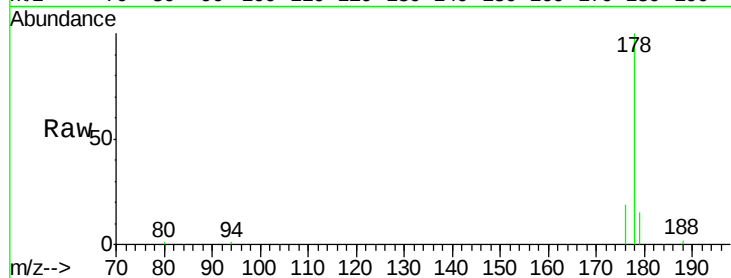
Tgt Ion:178 Resp: 17690

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

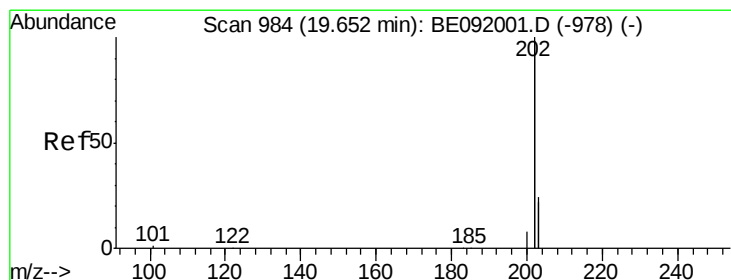
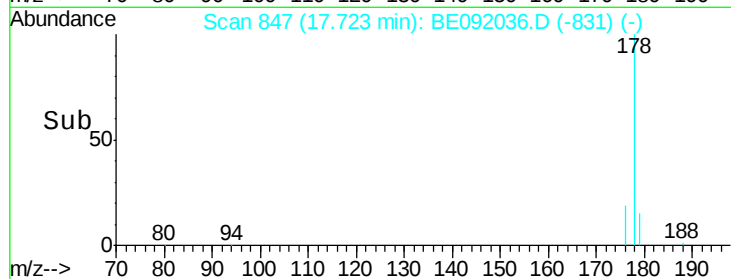
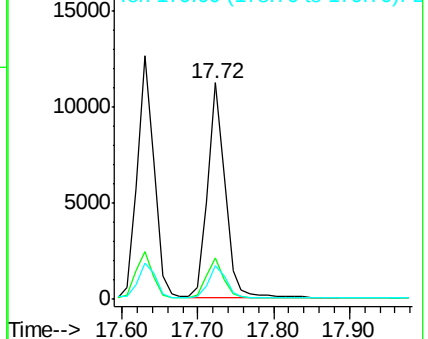
179 15.3 12.1 18.1



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



#30

Fluoranthene

Concen: 0.40 ng

RT: 19.63 min Scan# 984

Delta R.T. -0.02 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

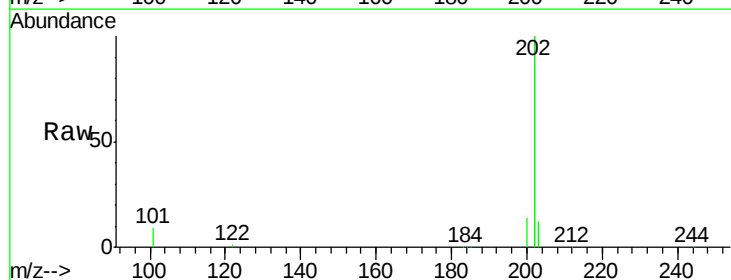
Tgt Ion:202 Resp: 73604

Ion Ratio Lower Upper

202 100

101 3.2 9.4 14.0#

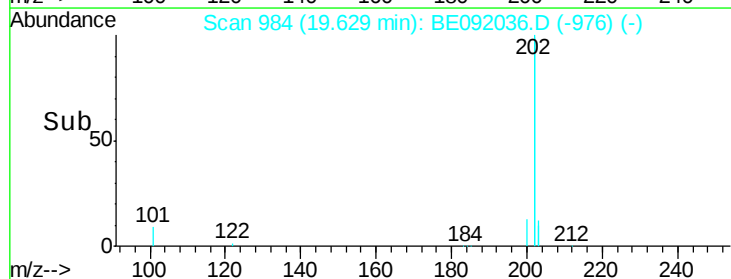
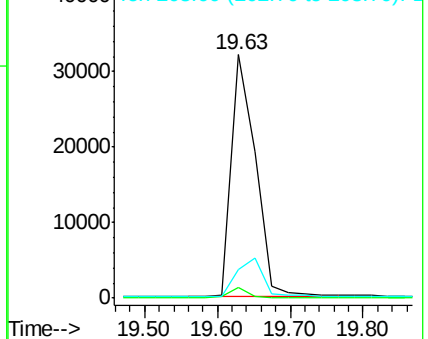
203 0.0 14.3 21.5#

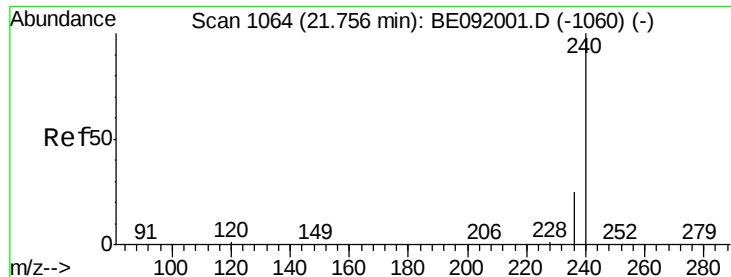


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

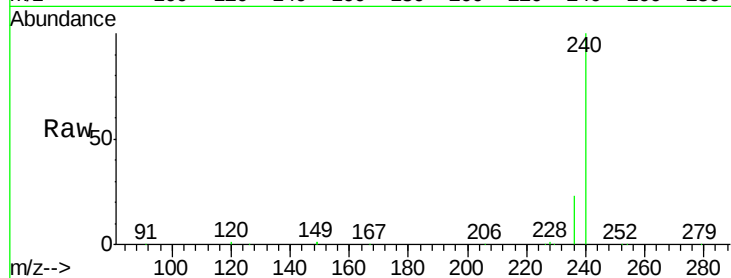
Tgt Ion:240 Resp: 188334

Ion Ratio Lower Upper

240 100

120 0.7 1.2 1.8#

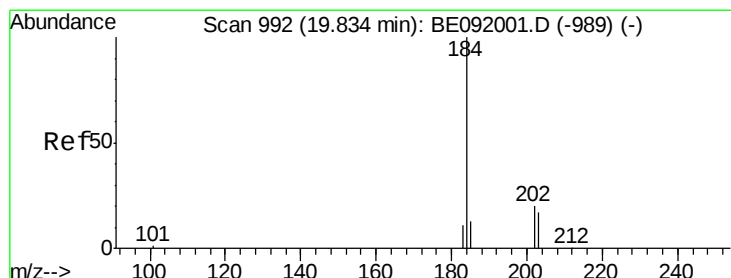
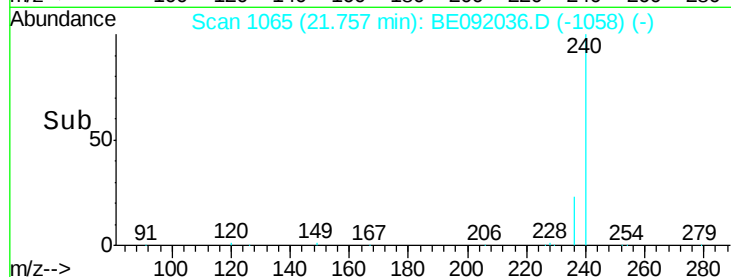
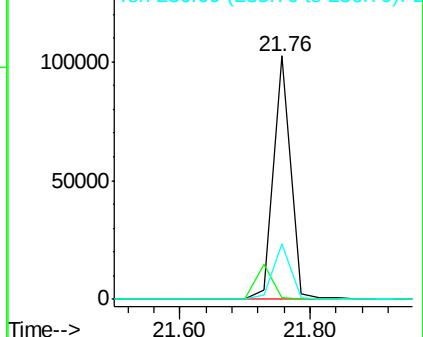
236 22.7 19.8 29.8



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



#32

Benzidine

Concen: 0.77 ng

RT: 19.83 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

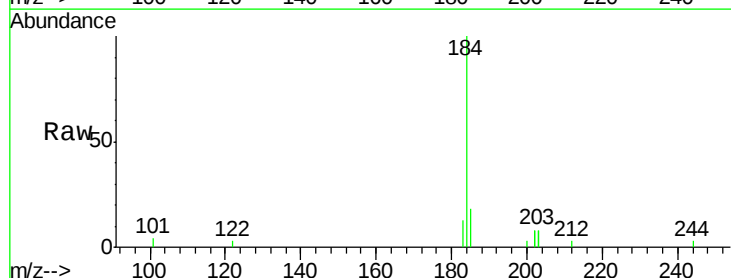
Tgt Ion:184 Resp: 5549

Ion Ratio Lower Upper

184 100

185 18.3 11.4 17.2#

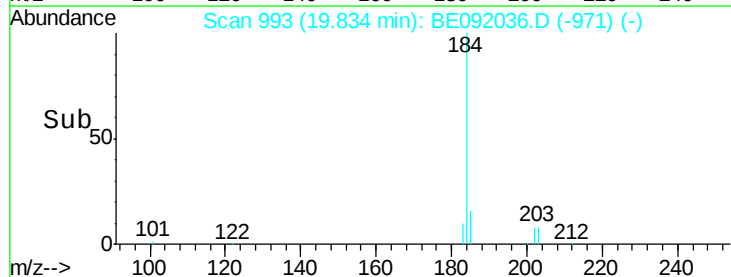
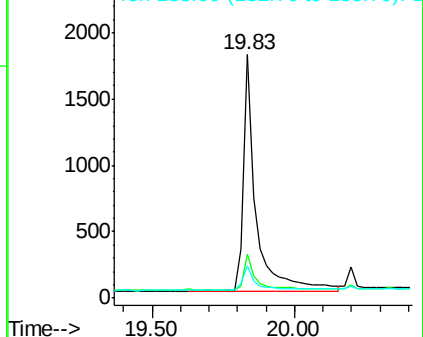
183 13.1 11.8 17.6

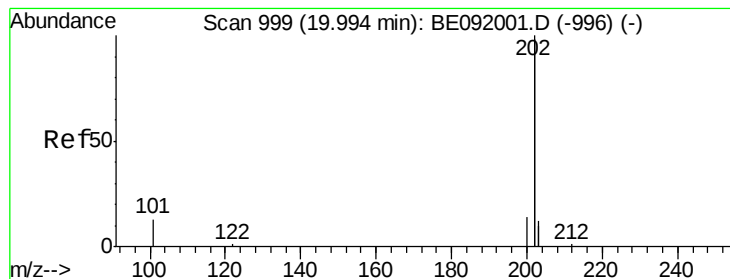


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.61 ng

RT: 19.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

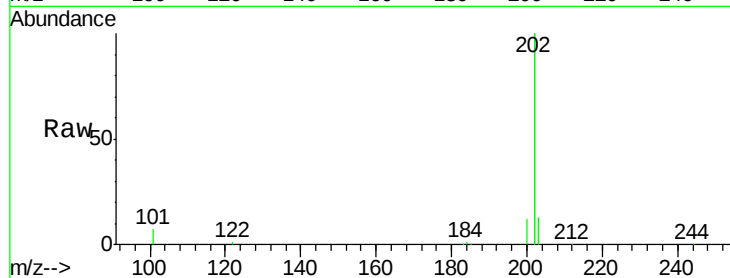
Tgt Ion: 202 Resp: 84000

Ion Ratio Lower Upper

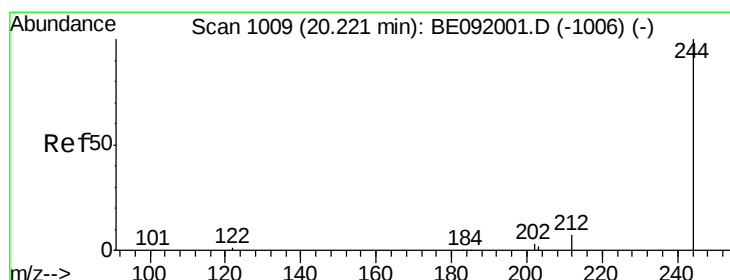
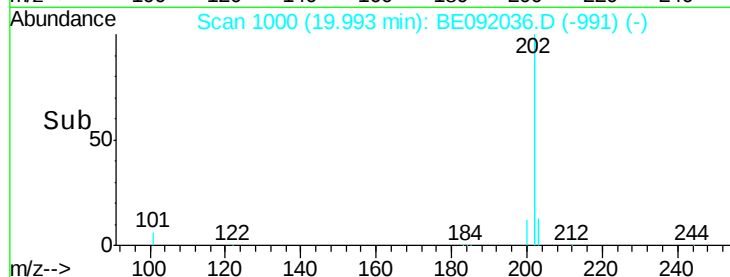
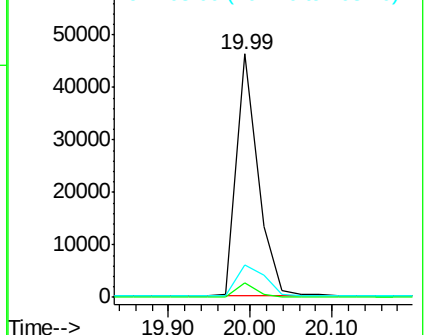
202 100

200 5.5 16.9 25.3#

203 16.8 14.1 21.1



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: 0.53 ng

RT: 20.20 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

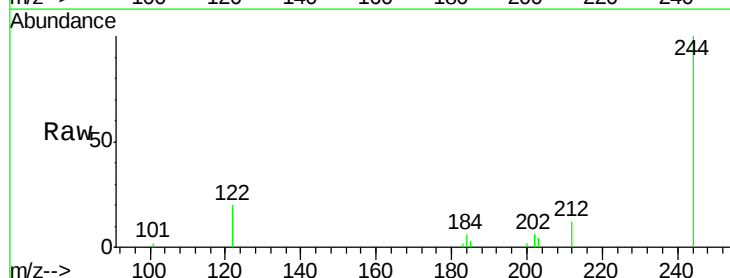
Tgt Ion: 244 Resp: 10061

Ion Ratio Lower Upper

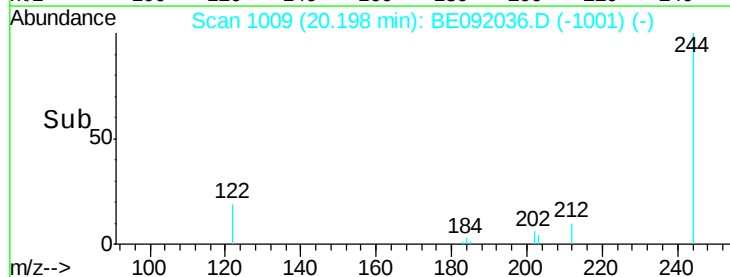
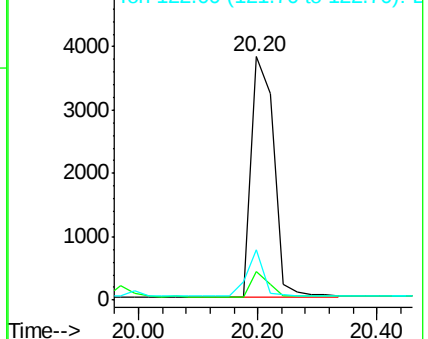
244 100

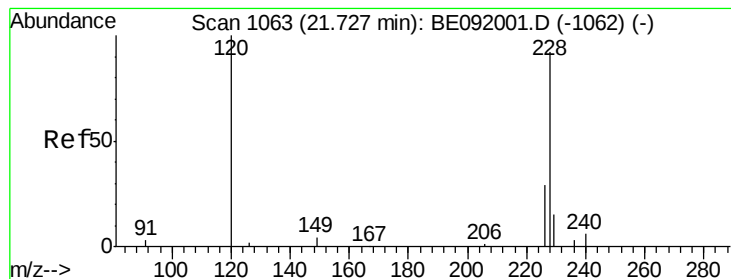
212 11.8 6.5 9.7#

122 20.5 2.9 4.3#



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: 1.24 ng

RT: 21.73 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

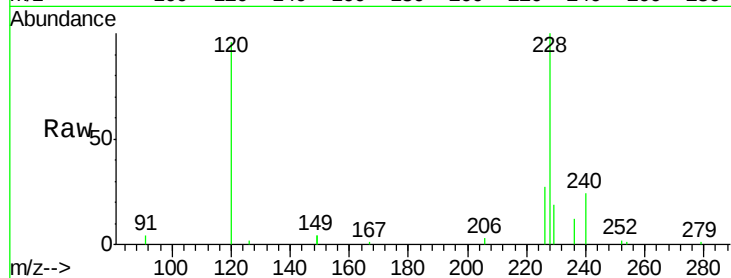
Tgt Ion:228 Resp: 52753

Ion Ratio Lower Upper

228 100

226 27.3 21.0 31.4

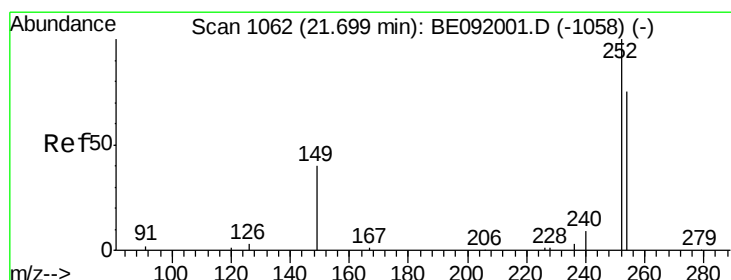
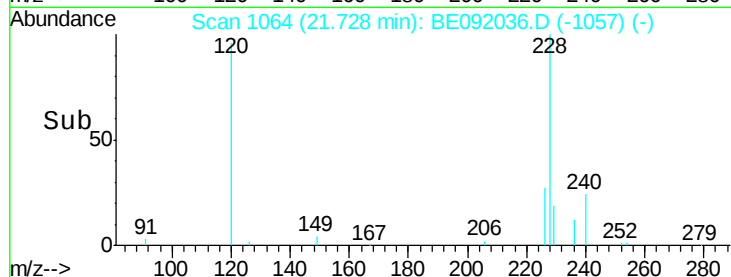
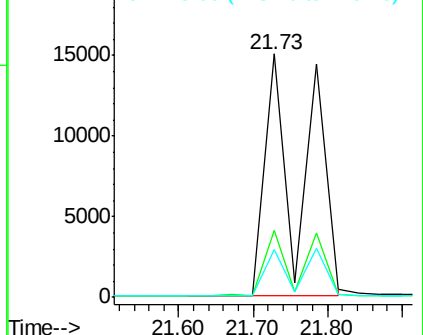
229 19.4 15.8 23.8



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: 0.98 ng

RT: 21.67 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

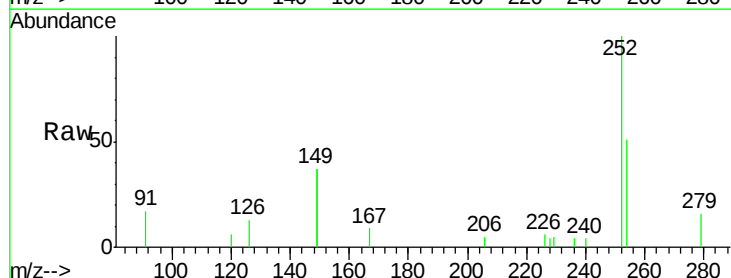
Tgt Ion:252 Resp: 6127

Ion Ratio Lower Upper

252 100

254 51.0 61.5 92.3#

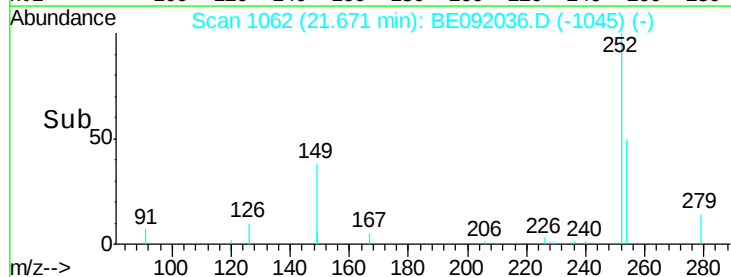
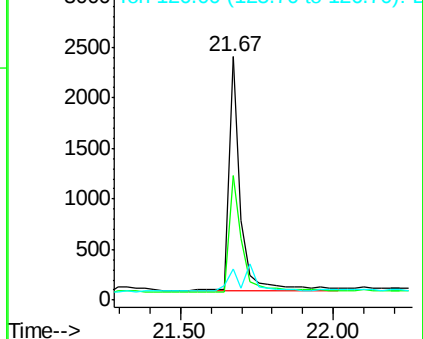
126 13.0 2.5 3.7#

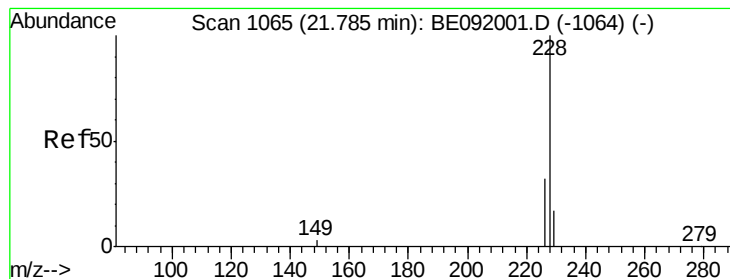


Abundance Ion 252.00 (251.70 to 252.70): E

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# 1064

Delta R.T. -0.06 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

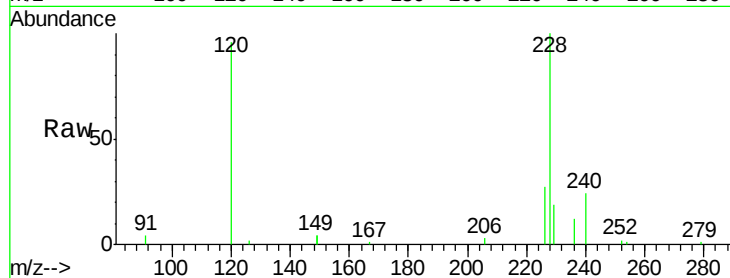
Tgt Ion: 228 Resp: 53077

Ion Ratio Lower Upper

228 100

226 27.3 27.0 40.6

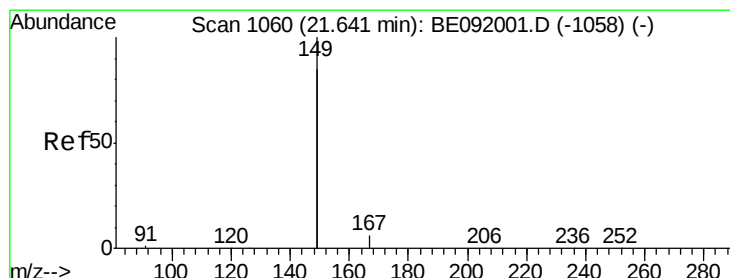
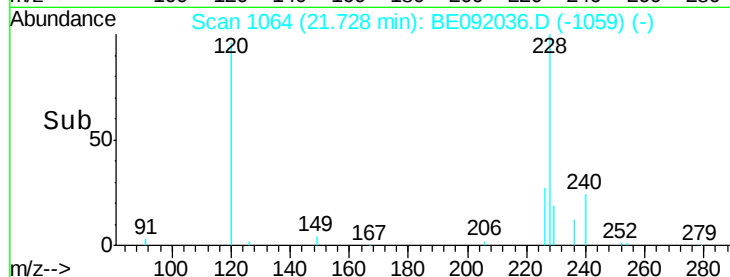
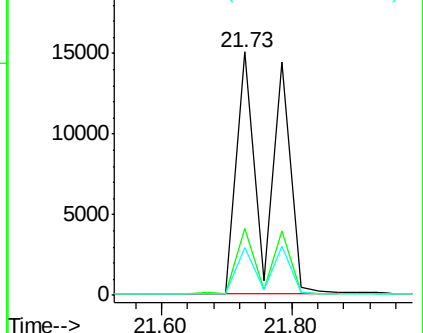
229 19.4 13.8 20.8



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: 1.51 ng

RT: 21.64 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

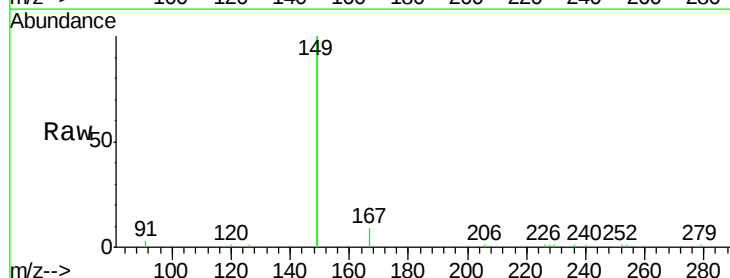
Tgt Ion: 149 Resp: 53572

Ion Ratio Lower Upper

149 100

167 4.6 0.0 0.0#

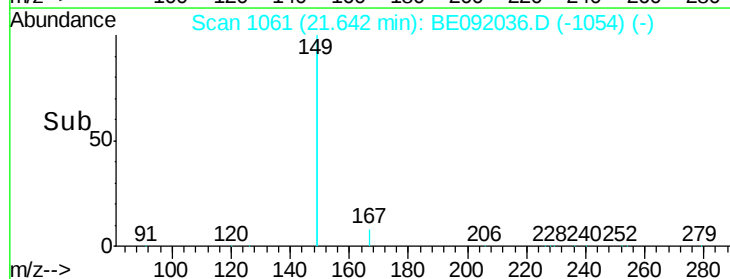
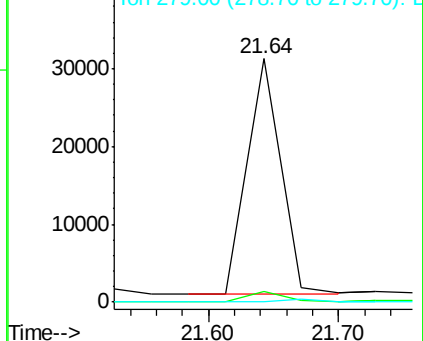
279 0.0 0.0 0.0

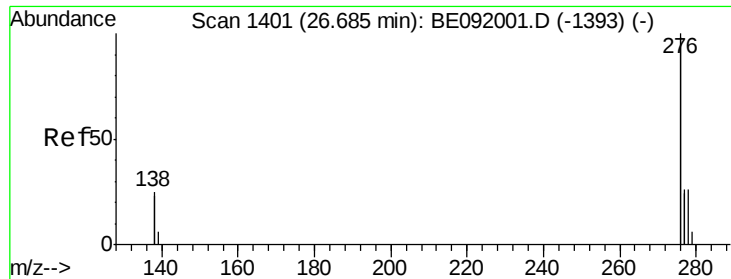


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

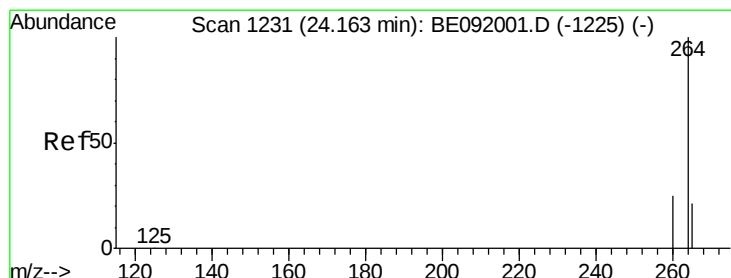
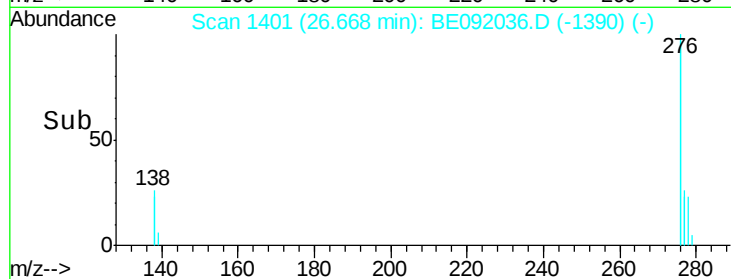
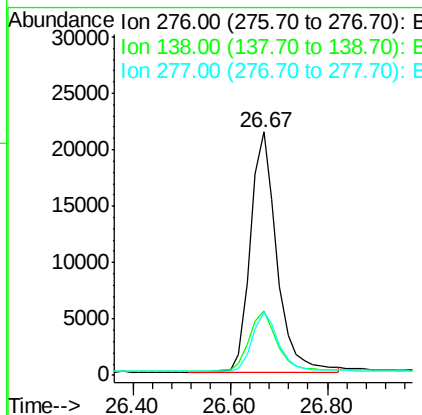
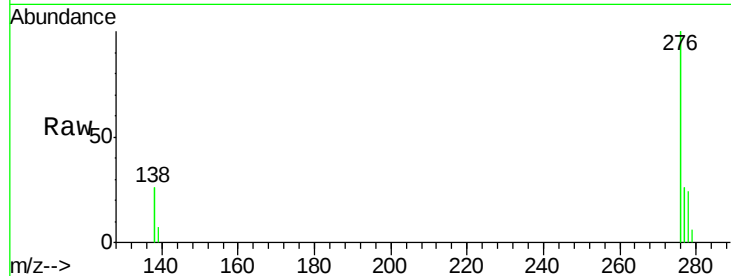




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.57 ng
 RT: 26.67 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BE092036.D
 Acq: 23 Jul 2016 10:11

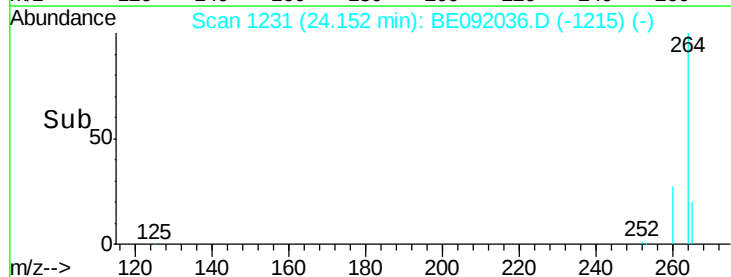
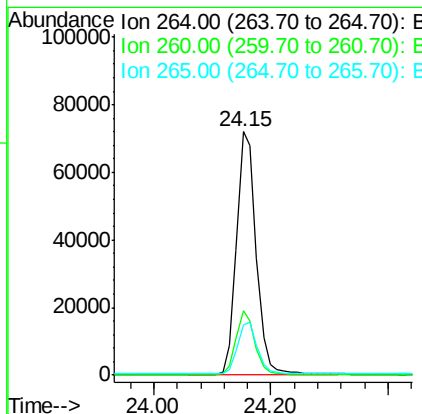
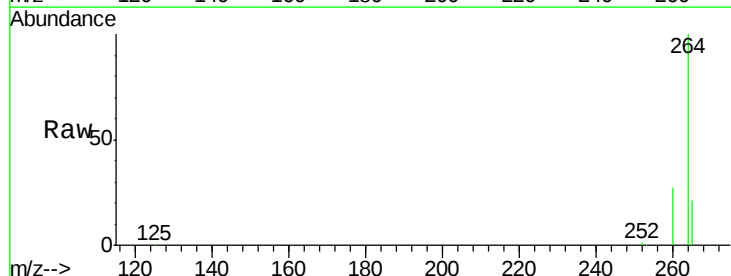
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

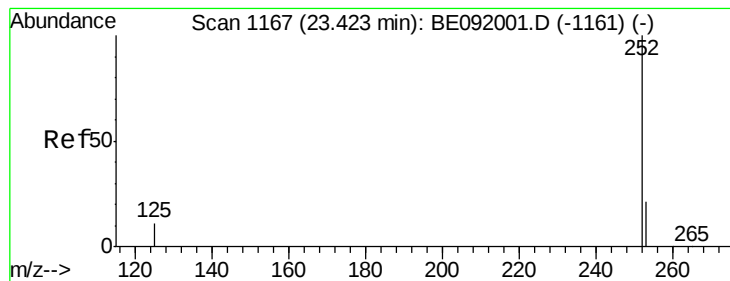
Tgt Ion: 276 Resp: 80781
 Ion Ratio Lower Upper
 276 100
 138 26.3 19.7 29.5
 277 24.8 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.15 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BE092036.D
 Acq: 23 Jul 2016 10:11

Tgt Ion: 264 Resp: 167404
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.3 30.5
 265 20.9 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.46 ng

RT: 23.42 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

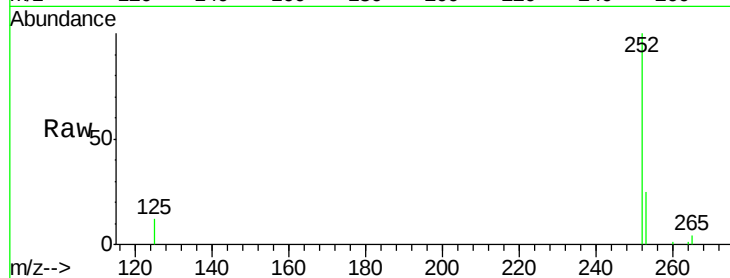
Tgt Ion:252 Resp: 20403

Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.6

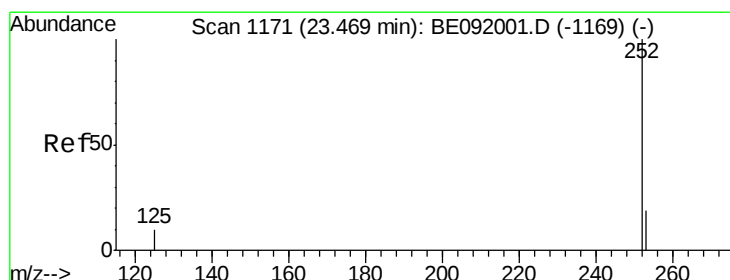
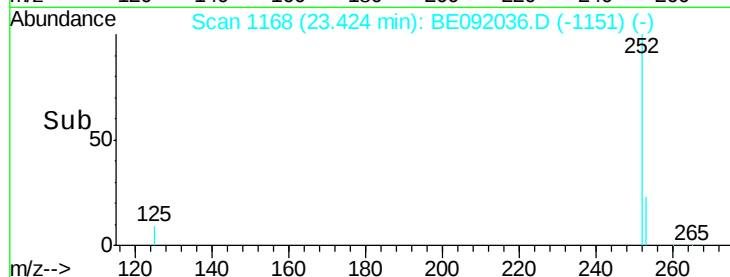
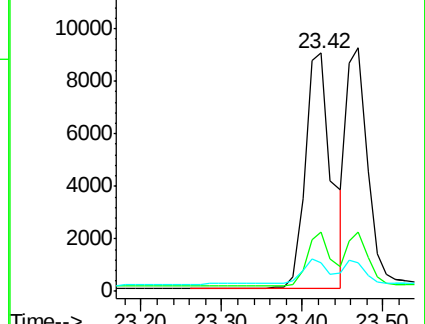
125 12.0 9.4 14.2



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: 0.38 ng

RT: 23.47 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

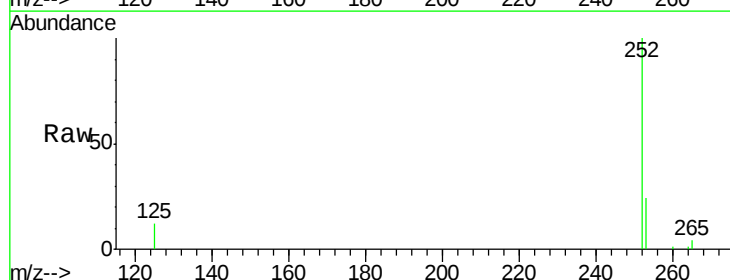
Tgt Ion:252 Resp: 17064

Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.2

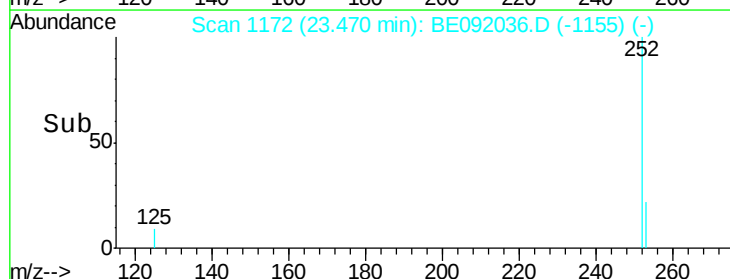
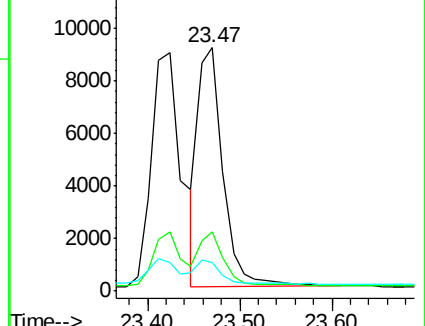
125 11.7 8.3 12.5

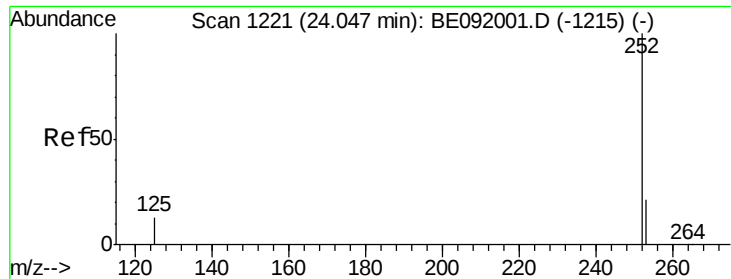


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.43 ng

RT: 24.05 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

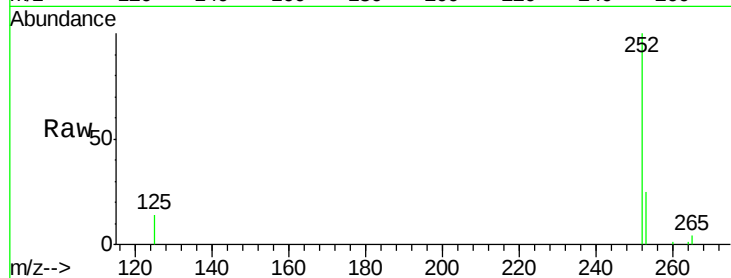
Tgt Ion:252 Resp: 17641

Ion Ratio Lower Upper

252 100

253 24.5 18.9 28.3

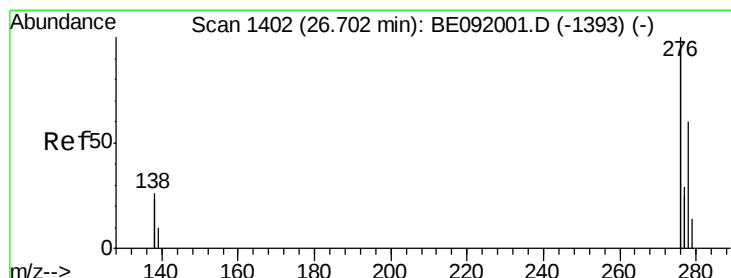
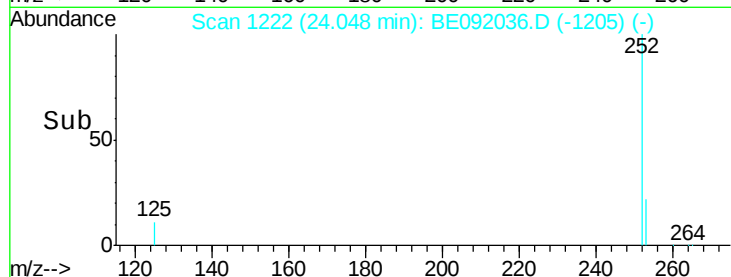
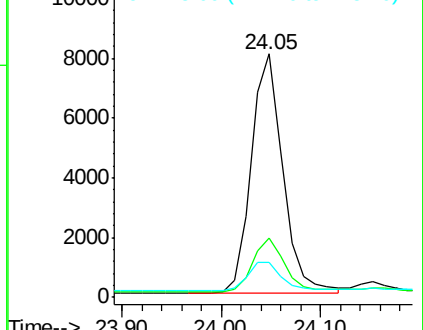
125 14.3 10.5 15.7



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: 0.45 ng

RT: 26.69 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE092036.D

Acq: 23 Jul 2016 10:11

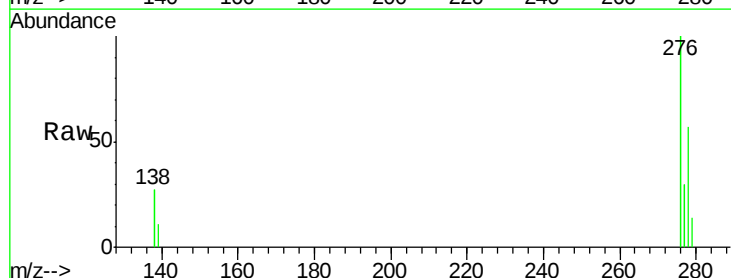
Tgt Ion:278 Resp: 16474

Ion Ratio Lower Upper

278 100

139 19.6 12.6 18.8#

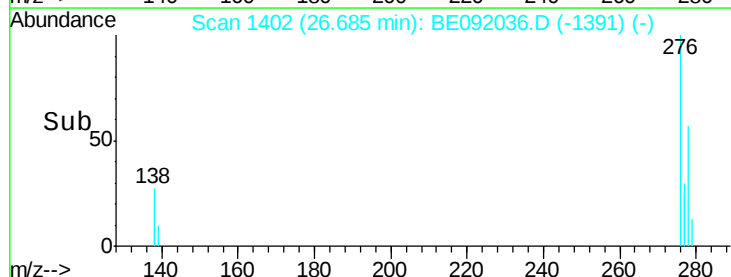
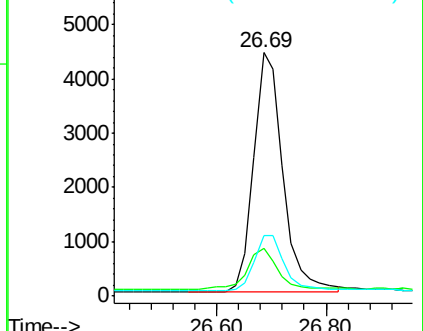
279 24.9 20.0 30.0

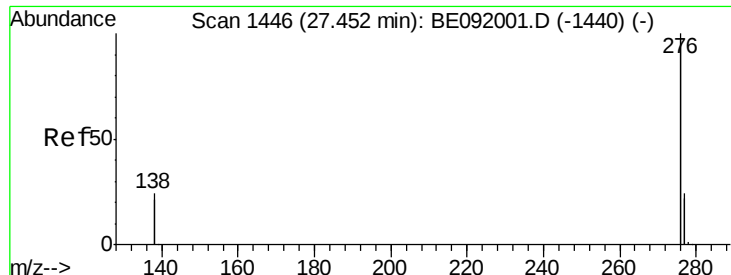


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.46 ng

RT: 27.43 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BE092036.D

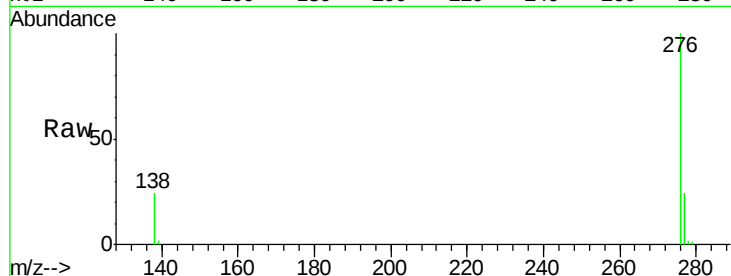
Acq: 23 Jul 2016 10:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion: 276 Resp: 68488

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 24.3 17.7 26.5

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

