

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092029.D
 Acq On : 23 Jul 2016 5:43
 Operator : UM/SJ
 Sample : PB92309BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92309BS

Quant Time: Jul 25 01:46:20 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	26399	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	124182	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	71830	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	160675	5.00	ng	0.00
31) Chrysene-d12	21.76	240	204188	5.00	ng	0.00
40) Perylene-d12	24.15	264	181836	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	41572	8.12	ng	0.00
5) Phenol-d6	7.35	99	57280	6.32	ng	-0.02
9) Nitrobenzene-d5	9.37	82	30017	4.02	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	14464	5.85	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	68529	3.63	ng	-0.01
34) Terphenyl-d14	20.20	244	88971	4.34	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	9537	2.67	ng	# 84
3) n-Nitrosodimethylamine	3.80	42	16858	3.50	ng	# 79
6) bis(2-Chloroethyl)ether	7.61	93	26091	3.44	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	21372	3.30	ng	# 98
10) Nitrobenzene	9.40	77	30745	3.09	ng	# 99
11) bis(2-Chloroethoxy)methane	10.40	93	33789	3.61	ng	# 18
12) Naphthalene	11.04	128	87482	3.10	ng	98
13) Hexachlorobutadiene	11.34	225	12088	3.00	ng	98
14) 2-Methylnaphthalene	12.66	142	58965	3.33	ng	99
18) Acenaphthylene	14.56	152	435940	3.95	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	69432	3.39	ng	# 10
20) Acenaphthene	14.92	154	54522	2.91	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	92082	3.61	ng	# 1
22) Fluorene	15.90	166	75059	3.36	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	34929	3.15	ng	94
25) 4-Bromophenyl-phenylether	16.78	248	21188	3.17	ng	96
26) Hexachlorobenzene	16.90	284	21723	3.15	ng	98
27) Pentachlorophenol	17.25	266	18520	5.73	ng	91
28) Phenanthrene	17.63	178	132812	3.20	ng	99
29) Anthracene	17.72	178	126398	3.36	ng	100
30) Fluoranthene	19.63	202	576122	3.47	ng	# 89
32) Benzidine	19.83	184	4515	0.62	ng	# 93
33) Pyrene	19.99	202	685125	4.62	ng	# 80
35) Benzo(a)anthracene	21.73	228	440146	9.57	ng	97
36) 3,3'-Dichlorobenzidine	21.67	252	32519	3.12	ng	# 73
37) Chrysene	21.73	228	442770	7.90	ng	92
38) Bis(2-ethylhexyl)phthalate	21.64	149	383754	9.54	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	711797	4.62	ng	98
41) Benzo(b)fluoranthene	23.41	252	159349	3.34	ng	98
42) Benzo(k)fluoranthene	23.46	252	169597	3.49	ng	94
43) Benzo(a)pyrene	24.05	252	152159	3.43	ng	97
44) Dibenzo(a,h)anthracene	26.68	278	147068	3.71	ng	97
45) Benzo(g,h,i)perylene	27.43	276	596884	3.68	ng	97

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QLast Update : Fri Jul 22 15:39:27 2016
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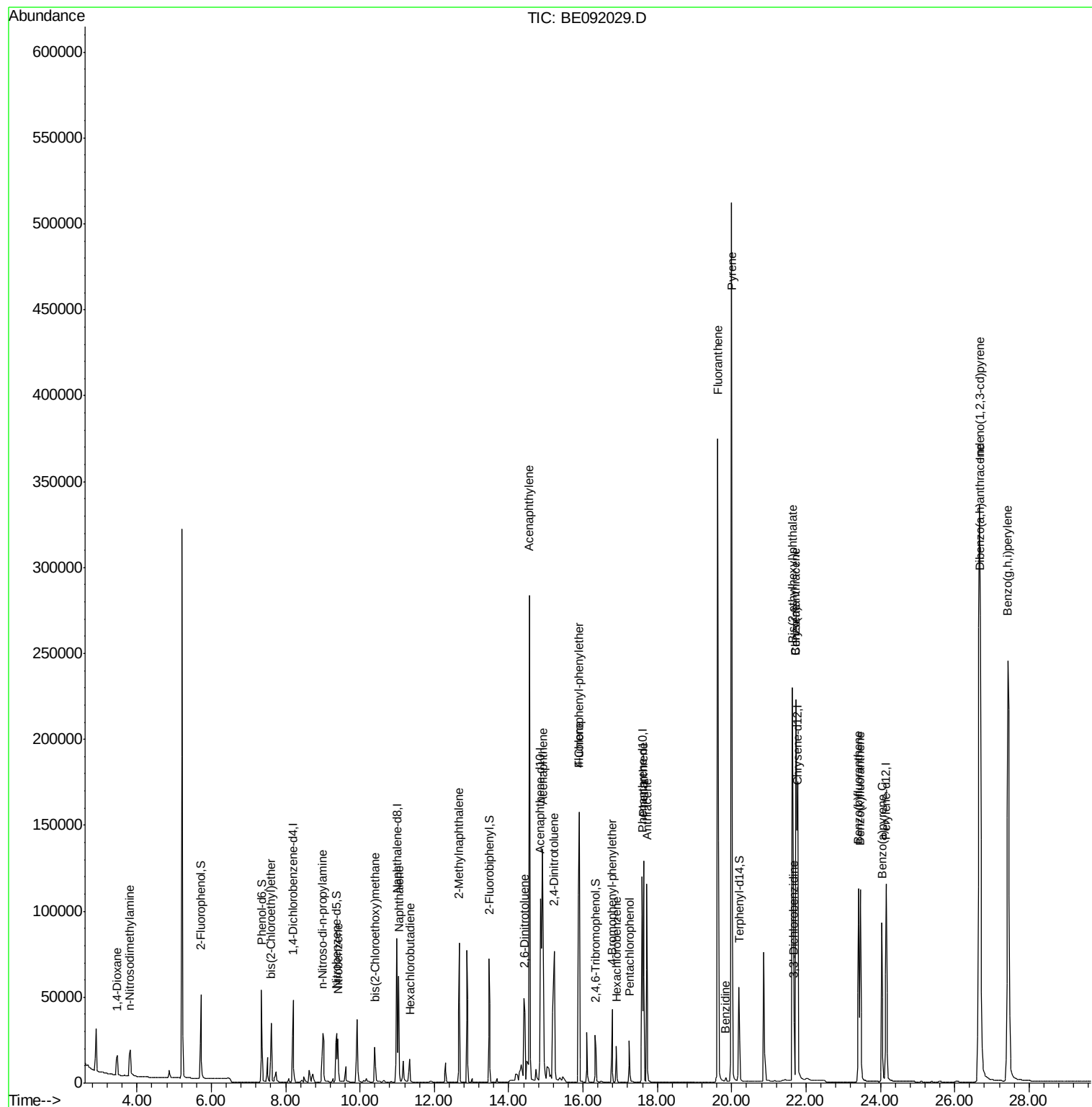
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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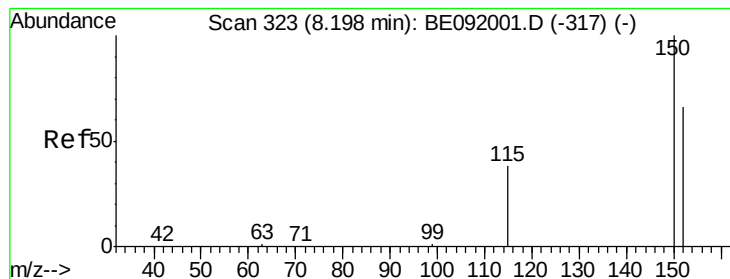
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE092029.D

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Instrument :

BNA_E

ClientSampleId :

PB92309BS

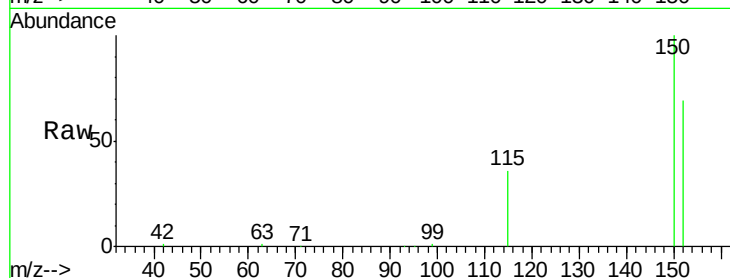
Tgt Ion:152 Resp: 26399

Ion Ratio Lower Upper

152 100

150 145.2 123.9 185.9

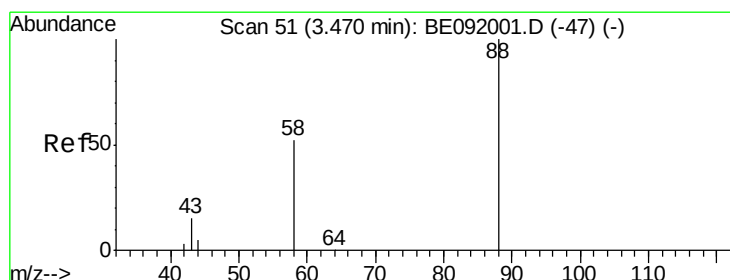
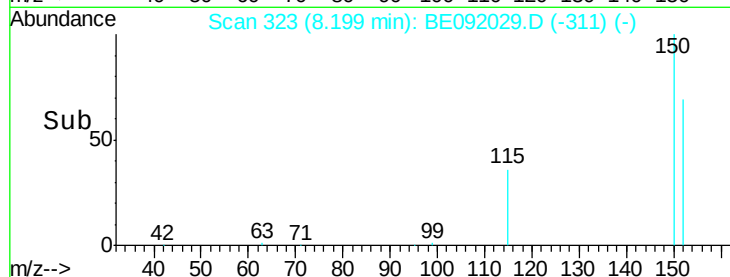
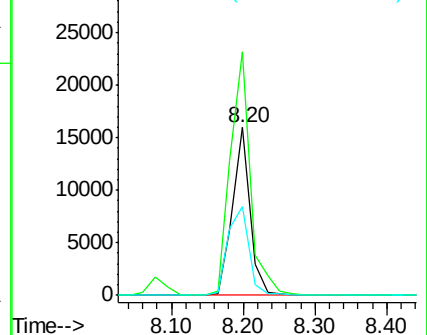
115 52.8 48.3 72.5



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: 2.67 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

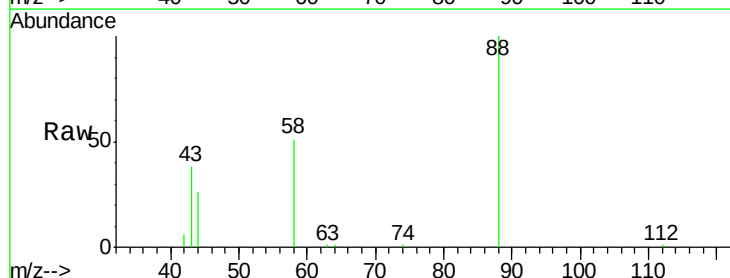
Tgt Ion: 88 Resp: 9537

Ion Ratio Lower Upper

88 100

58 90.0 63.0 94.4

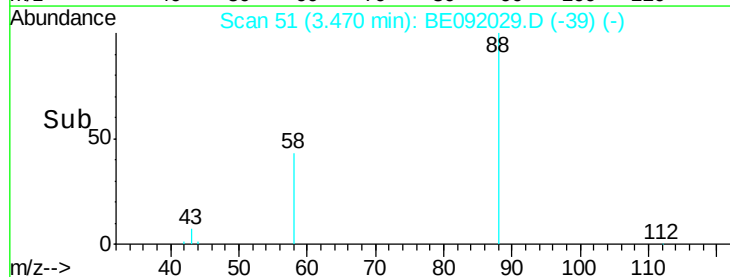
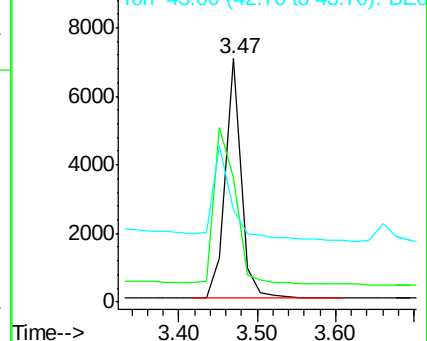
43 49.3 29.1 43.7#

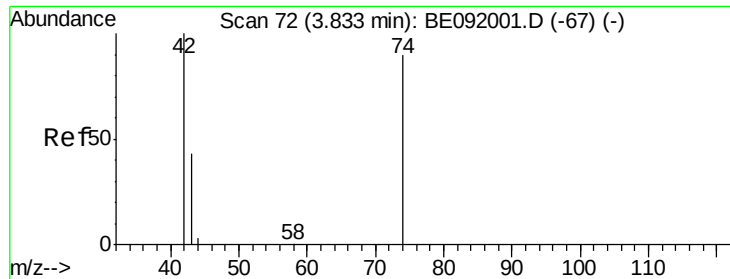


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.50 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.03 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

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PB92309BS

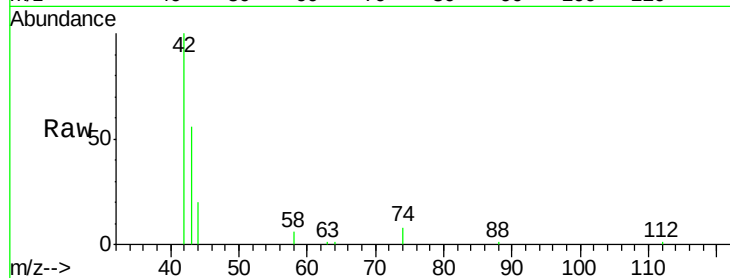
Tgt Ion: 42 Resp: 16858

Ion Ratio Lower Upper

42 100

74 92.8 93.4 140.0#

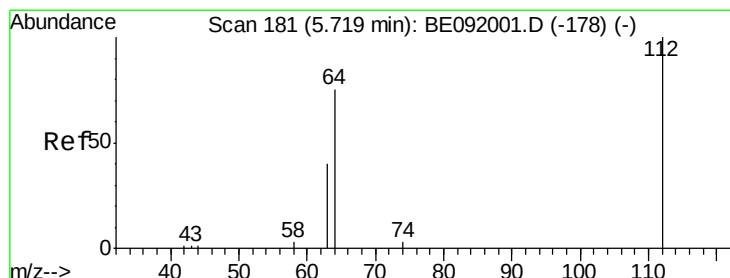
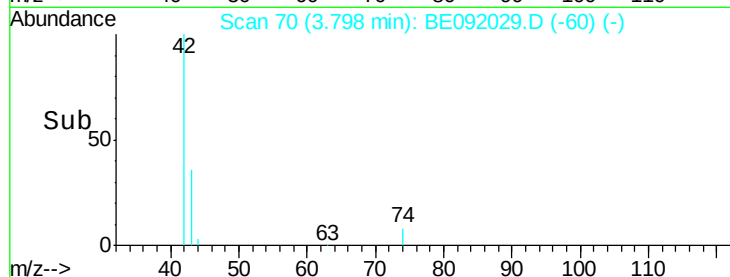
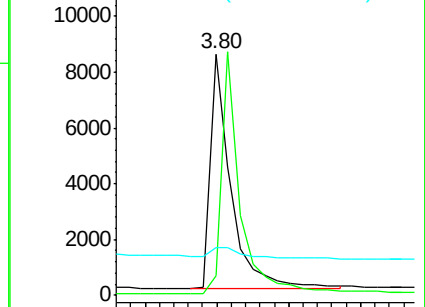
44 8.2 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE092001.D (-67) (-)

Ion 74.00 (73.70 to 74.70): BE092001.D (-67) (-)

Ion 44.00 (43.70 to 44.70): BE092001.D (-67) (-)



#4

2-Fluorophenol

Concen: 8.12 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

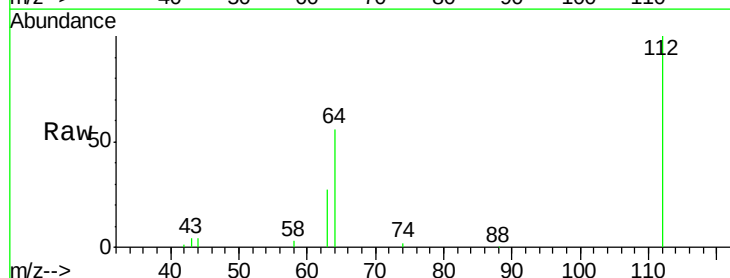
Tgt Ion: 112 Resp: 41572

Ion Ratio Lower Upper

112 100

64 67.0 53.7 80.5

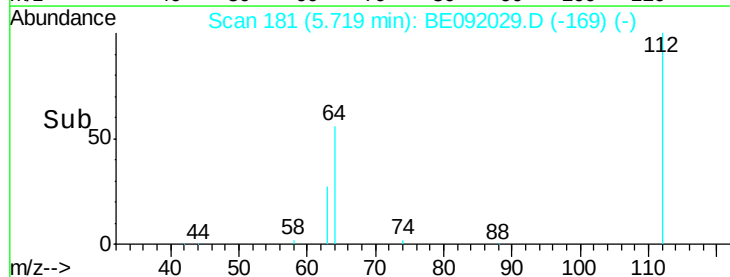
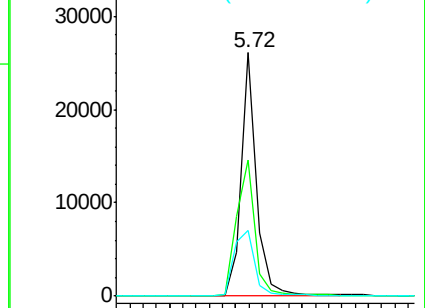
63 36.4 29.5 44.3

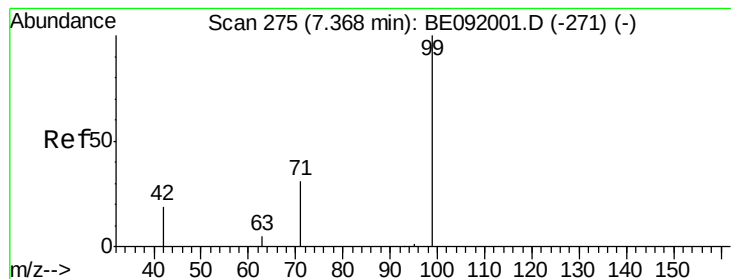


Abundance Ion 112.00 (111.70 to 112.70): BE092001.D (-178) (-)

Ion 64.00 (63.70 to 64.70): BE092001.D (-178) (-)

Ion 63.00 (62.70 to 63.70): BE092001.D (-178) (-)





#5

Phenol-d6

Concen: 6.32 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

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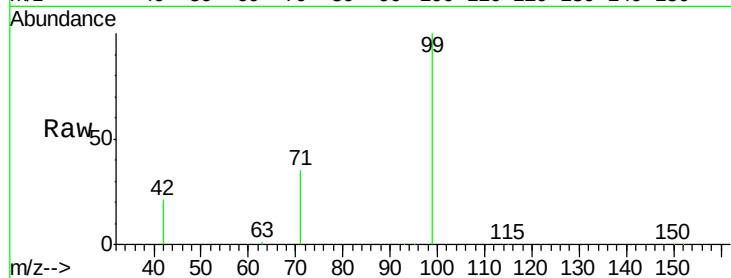
Tgt Ion: 99 Resp: 57280

Ion Ratio Lower Upper

99 100

42 25.4 19.6 29.4

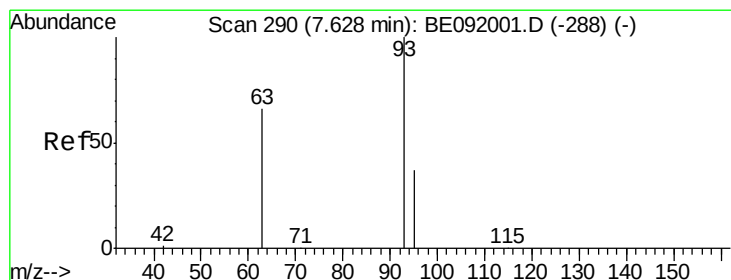
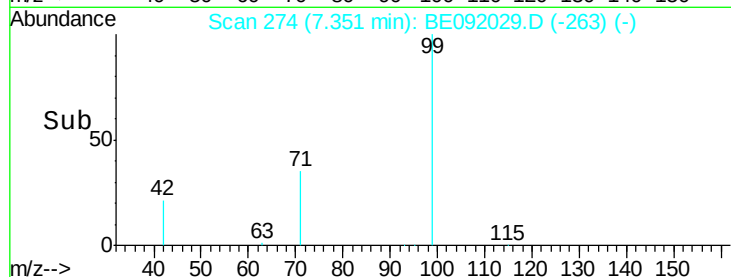
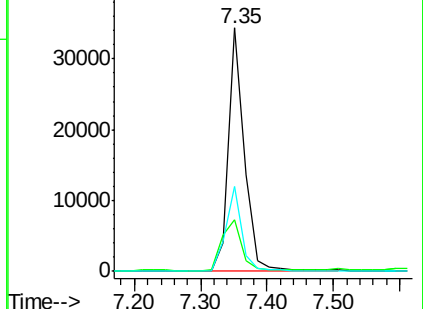
71 34.9 28.1 42.1



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: 3.44 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

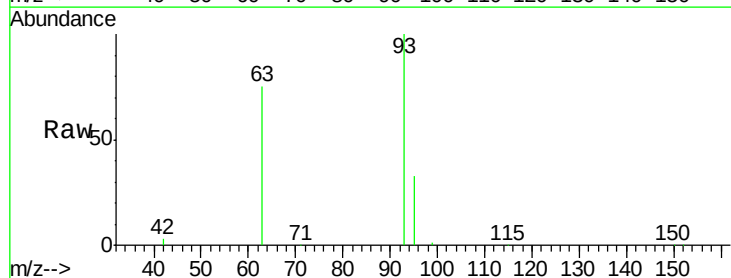
Tgt Ion: 93 Resp: 26091

Ion Ratio Lower Upper

93 100

63 84.6 66.2 99.4

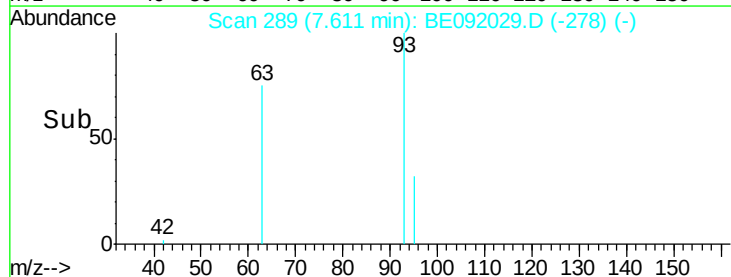
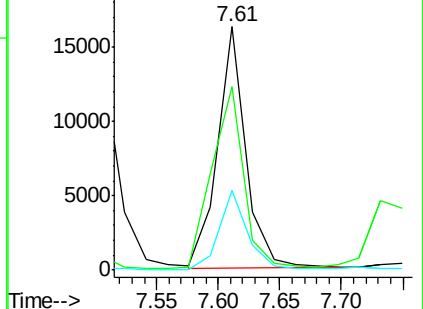
95 32.0 25.5 38.3

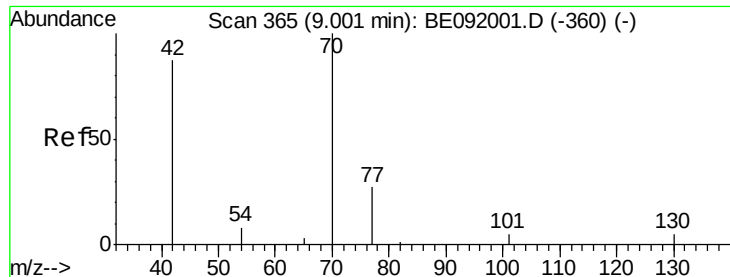


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 3.30 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

Tgt Ion: 70 Resp: 21372

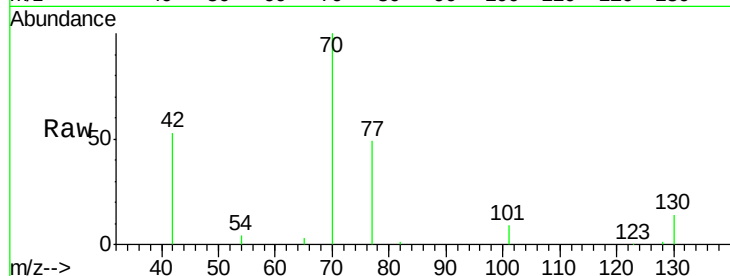
Ion Ratio Lower Upper

70 100

42 74.7 58.4 87.6

101 8.5 6.4 9.6

130 16.6 0.0 0.0#

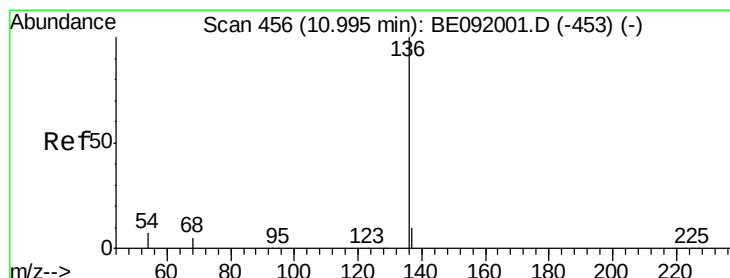
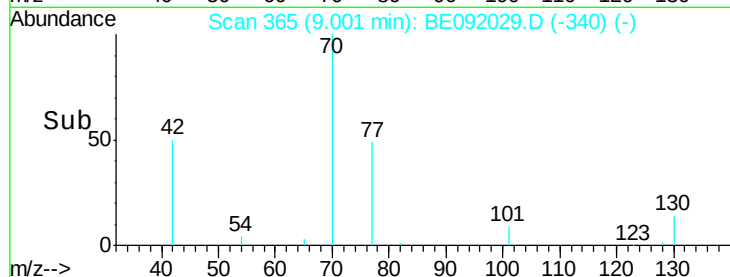
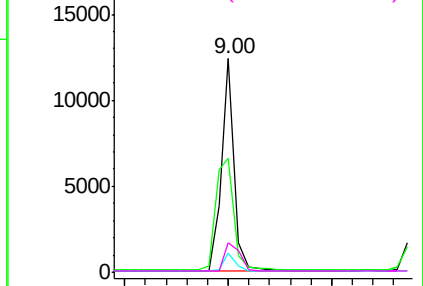


Abundance Ion 70.00 (69.70 to 70.70): BE0

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: BE092029.D

Acq: 23 Jul 2016 5:43

Tgt Ion: 136 Resp: 124182

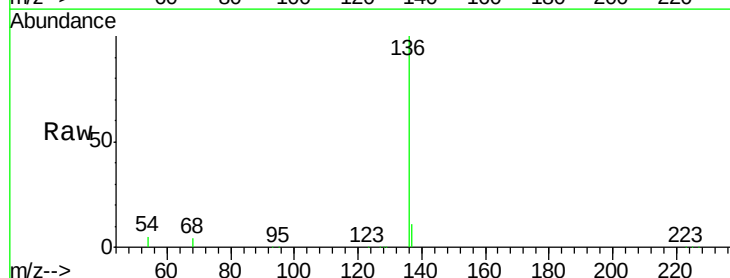
Ion Ratio Lower Upper

136 100

137 10.7 8.3 12.5

54 5.2 8.2 12.4#

68 4.1 5.9 8.9#

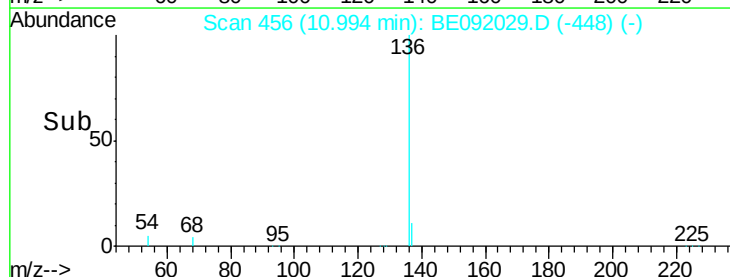
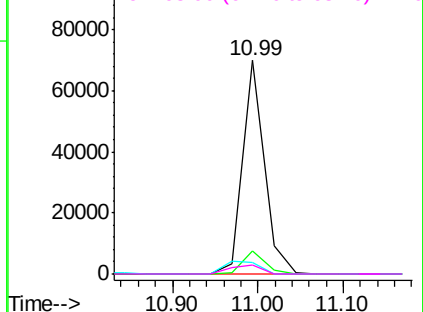


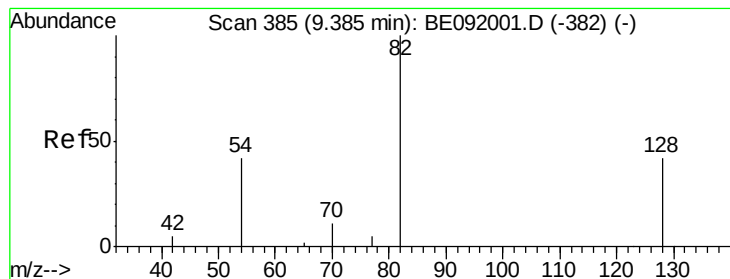
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.02 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

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PB92309BS

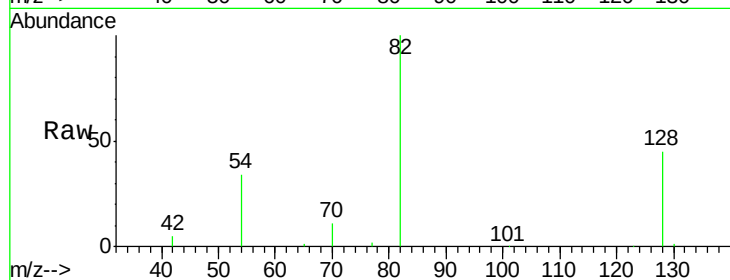
Tgt Ion: 82 Resp: 30017

Ion Ratio Lower Upper

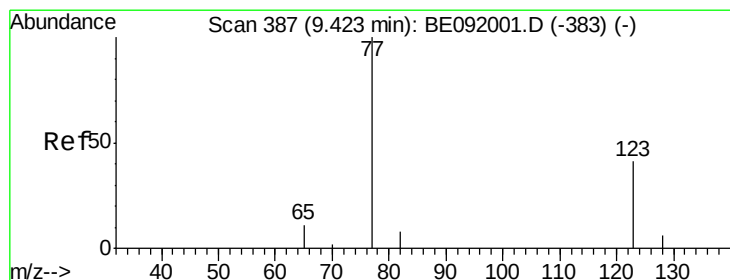
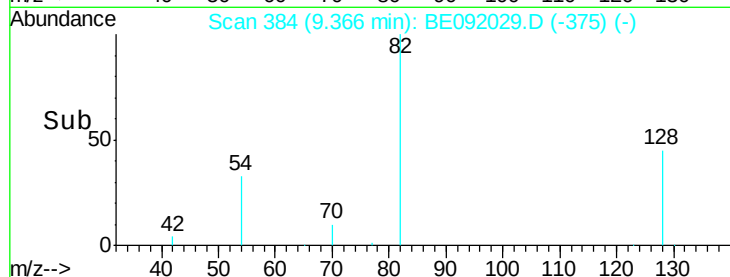
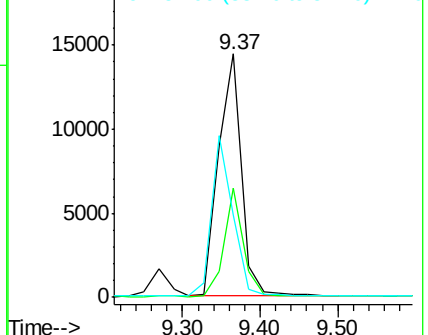
82 100

128 45.1 39.5 59.3

54 33.7 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



#10

Nitrobenzene

Concen: 3.09 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

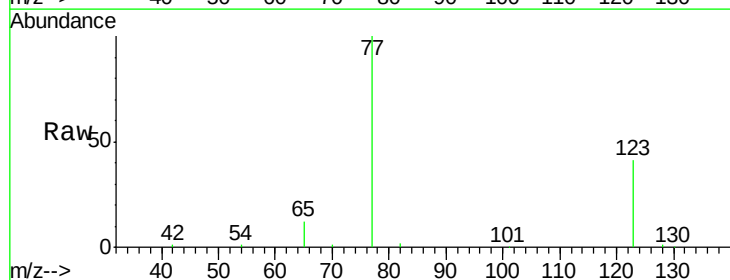
Tgt Ion: 77 Resp: 30745

Ion Ratio Lower Upper

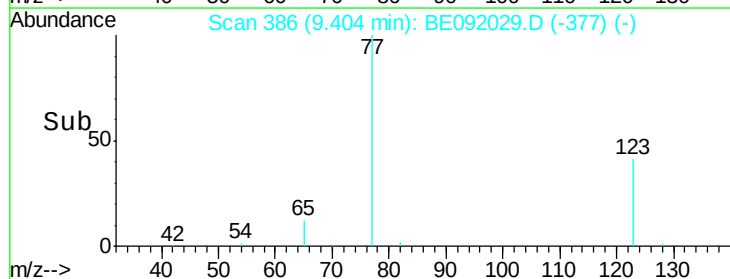
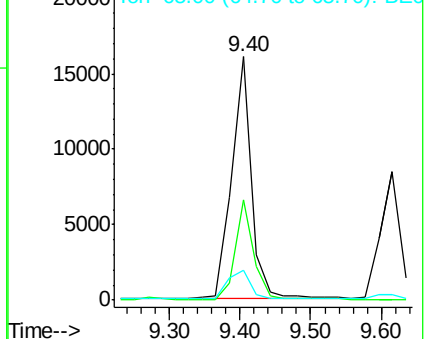
77 100

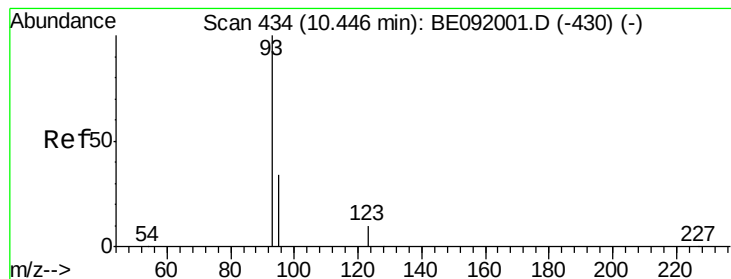
123 38.8 0.0 0.0#

65 14.2 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

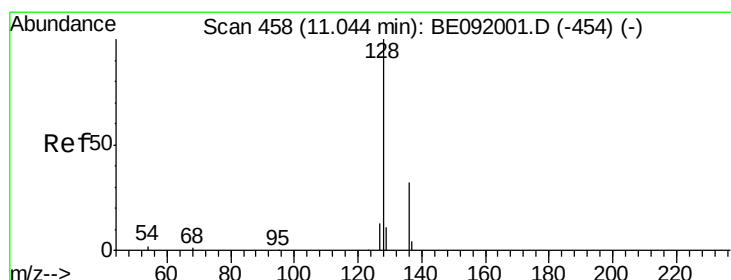
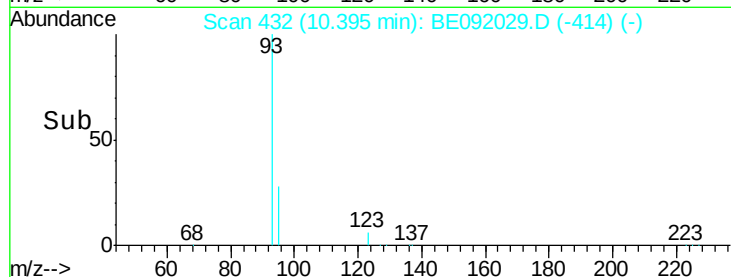
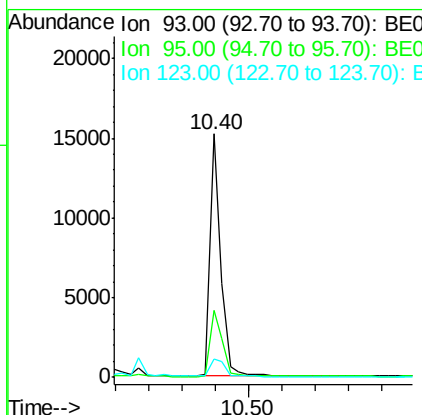
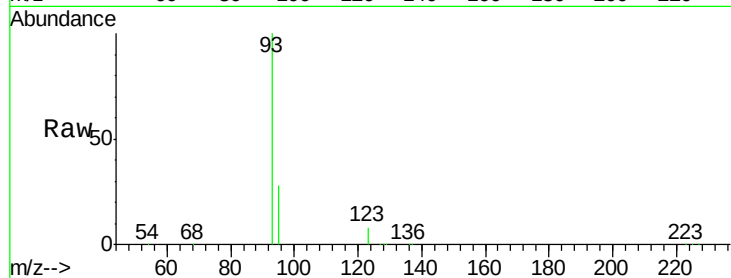




#11
bis(2-Chloroethoxy)methane
Concen: 3.61 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.05 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

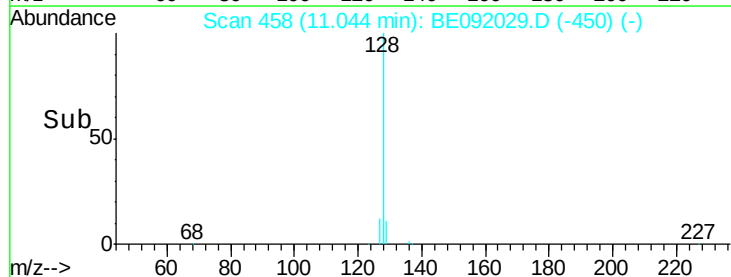
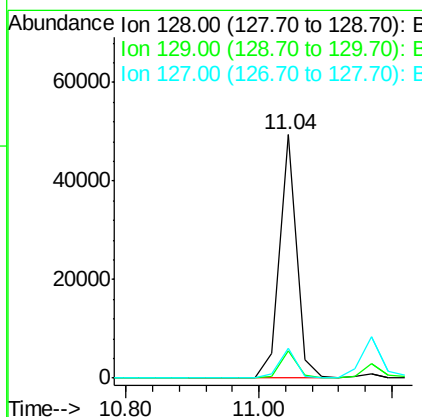
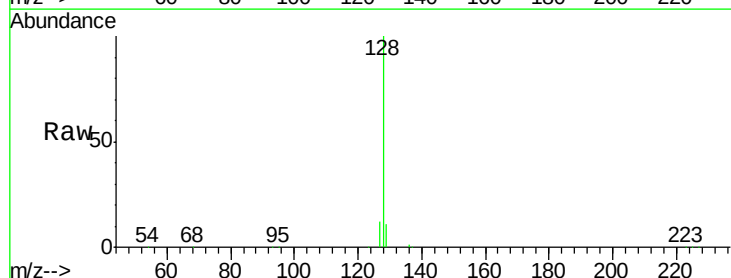
Instrument :
BNA_E
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PB92309BS

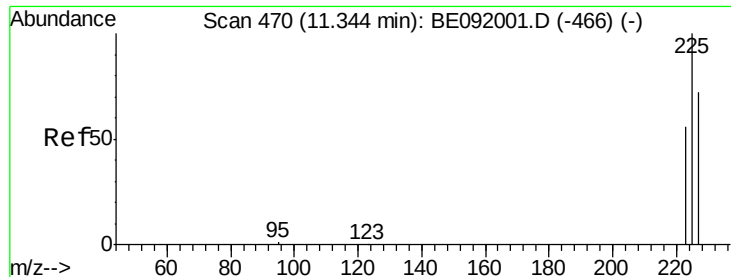
Tgt Ion: 93 Resp: 33789
Ion Ratio Lower Upper
93 100
95 31.5 57.6 86.4#
123 9.6 100.2 150.4#



#12
Naphthalene
Concen: 3.10 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

Tgt Ion: 128 Resp: 87482
Ion Ratio Lower Upper
128 100
129 11.3 10.4 15.6
127 12.5 10.2 15.2

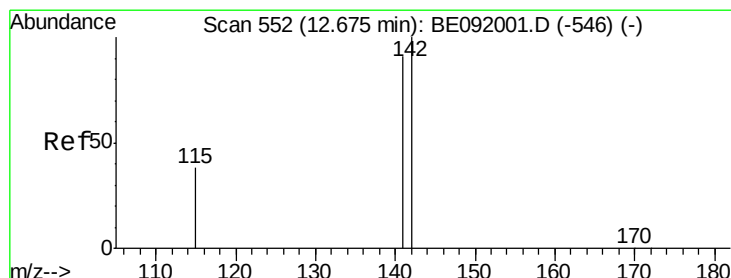
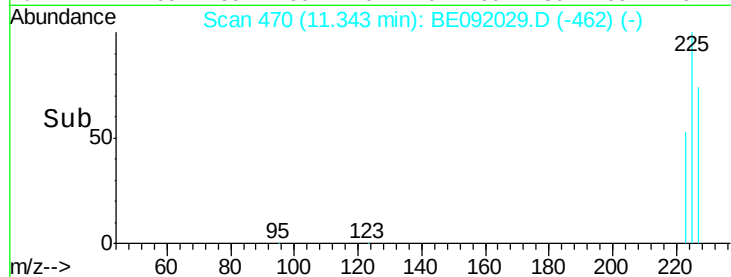
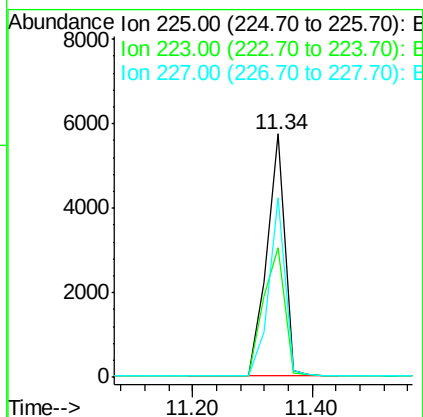
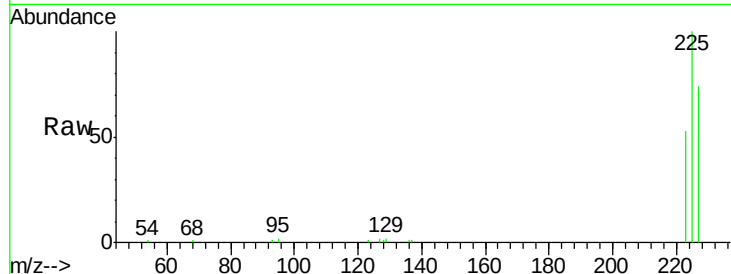




#13
Hexachlorobutadiene
Concen: 3.00 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

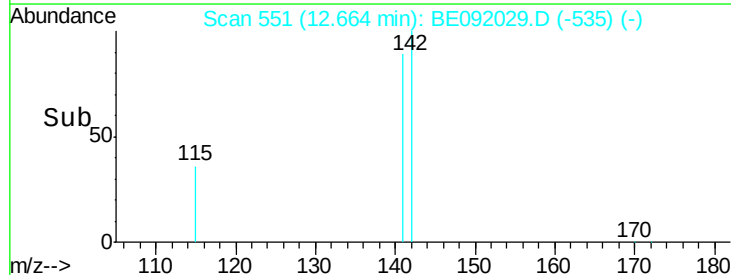
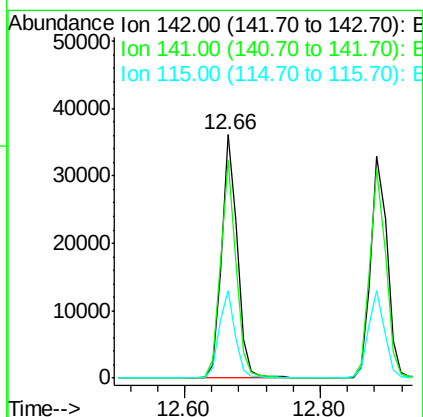
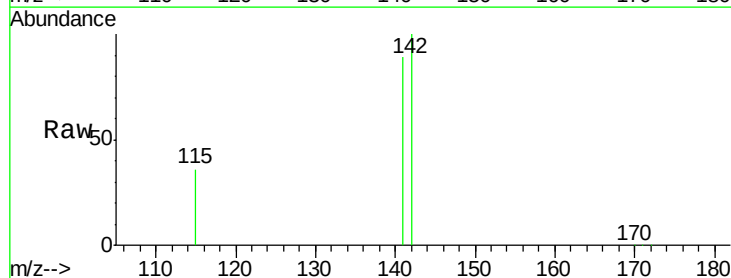
Instrument :
BNA_E
ClientSampleId :
PB92309BS

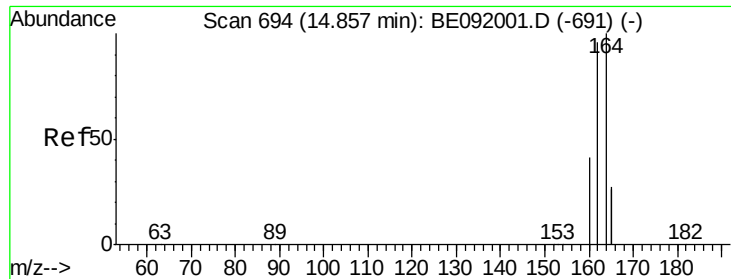
Tgt Ion: 225 Resp: 12088
Ion Ratio Lower Upper
225 100
223 61.5 49.8 74.8
227 66.1 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.33 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.01 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

Tgt Ion: 142 Resp: 58965
Ion Ratio Lower Upper
142 100
141 89.3 71.9 107.9
115 36.0 29.9 44.9

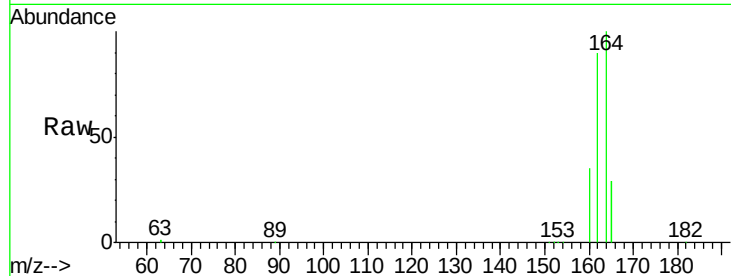




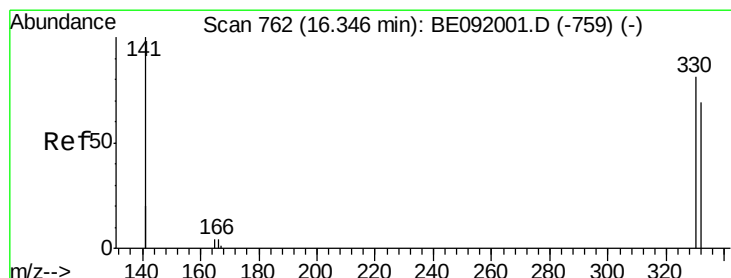
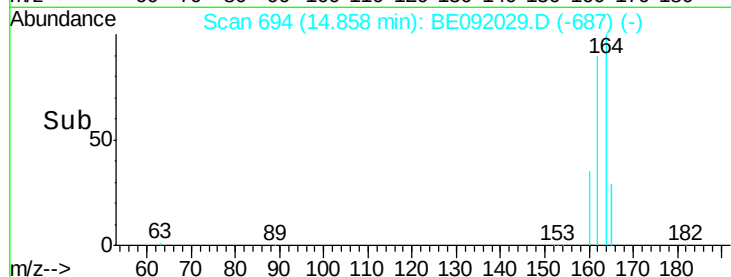
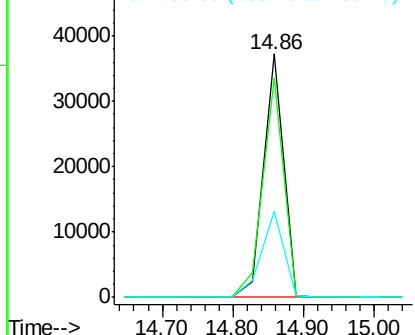
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

Instrument :
BNA_E
ClientSampleId :
PB92309BS

Tgt Ion:164 Resp: 71830
Ion Ratio Lower Upper
164 100
162 90.2 71.8 107.8
160 35.4 28.0 42.0

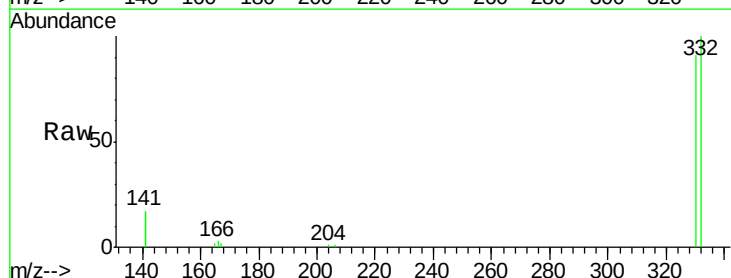


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

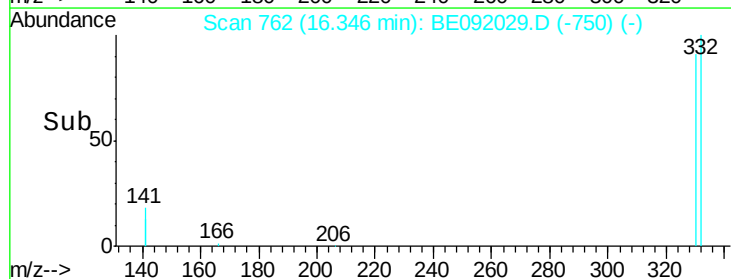
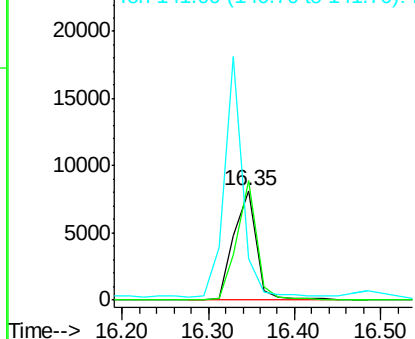


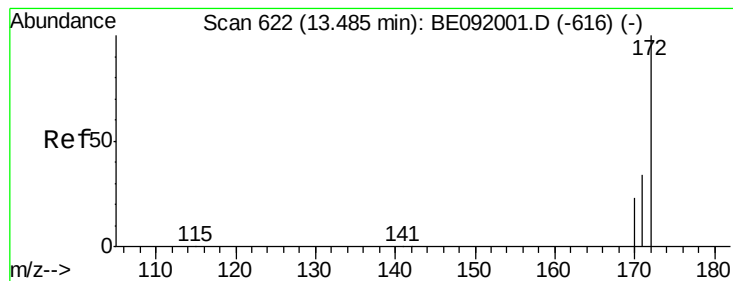
#16
2,4,6-Tribromophenol
Concen: 5.85 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

Tgt Ion:330 Resp: 14464
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 180.3 138.4 207.6



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

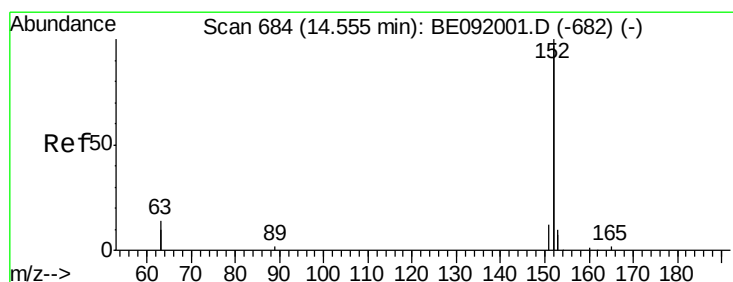
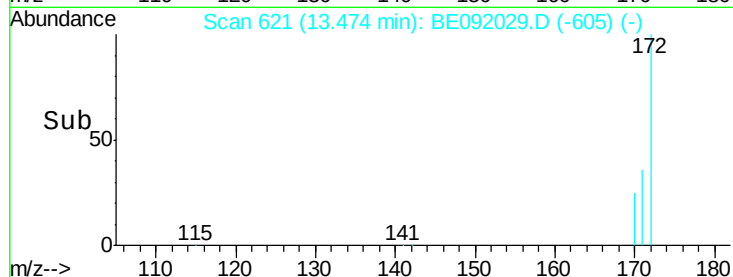
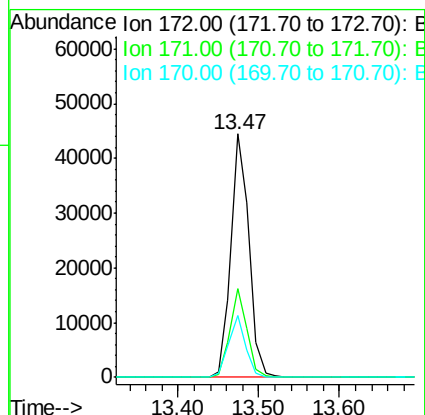
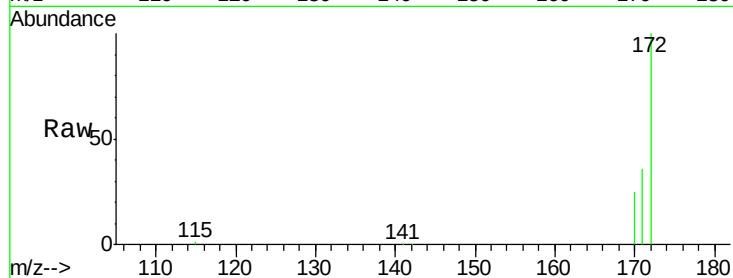




#17
2-Fluorobiphenyl
Concen: 3.63 ng
RT: 13.47 min Scan# 621
Delta R.T. -0.01 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

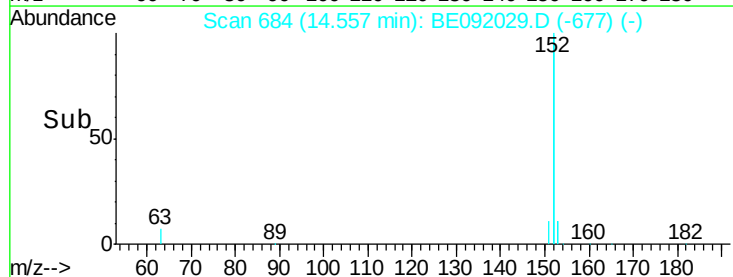
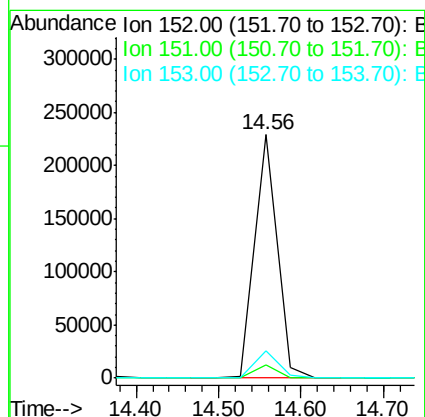
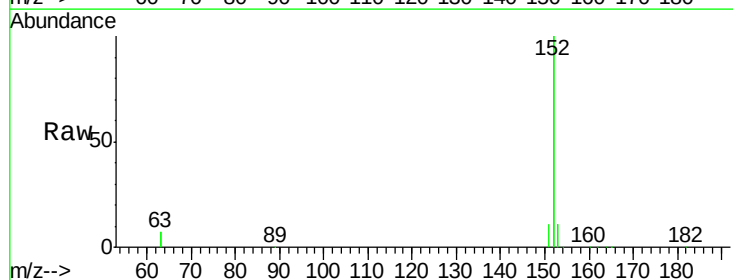
Instrument :
BNA_E
ClientSampleId :
PB92309BS

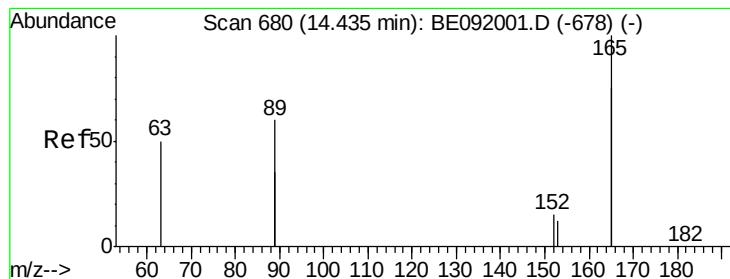
Tgt Ion:172 Resp: 68529
Ion Ratio Lower Upper
172 100
171 36.3 24.3 36.5
170 25.5 14.9 22.3#



#18
Acenaphthylene
Concen: 3.95 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

Tgt Ion:152 Resp: 435940
Ion Ratio Lower Upper
152 100
151 5.2 19.4 29.2#
153 11.7 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 3.39 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

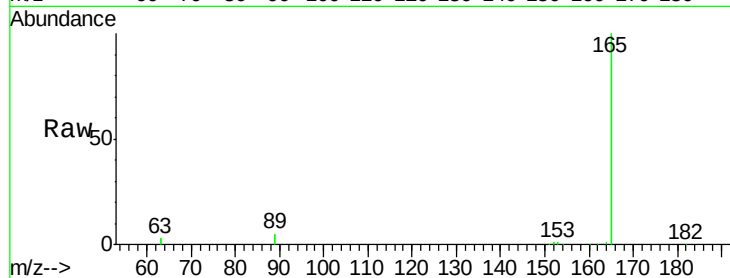
Tgt Ion:165 Resp: 69432

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

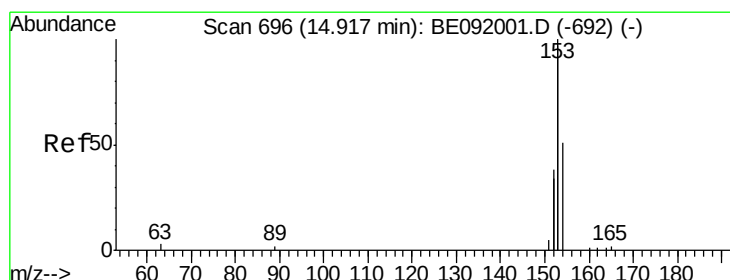
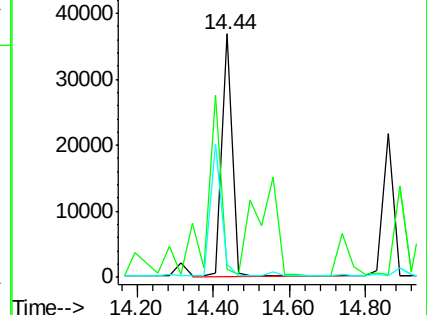
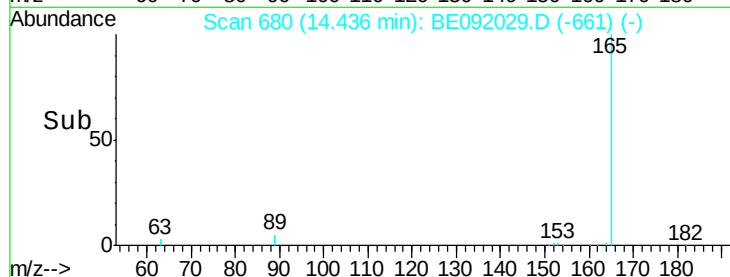
89 0.0 59.1 88.7#



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: 2.91 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

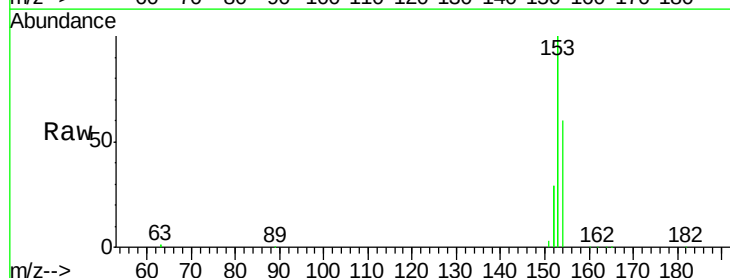
Tgt Ion:154 Resp: 54522

Ion Ratio Lower Upper

154 100

153 370.0 88.1 132.1#

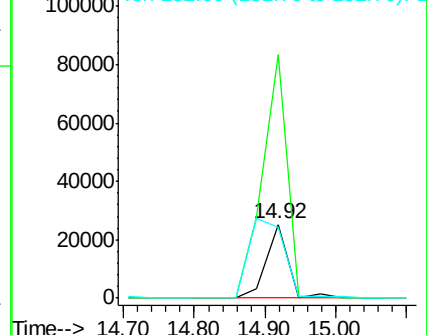
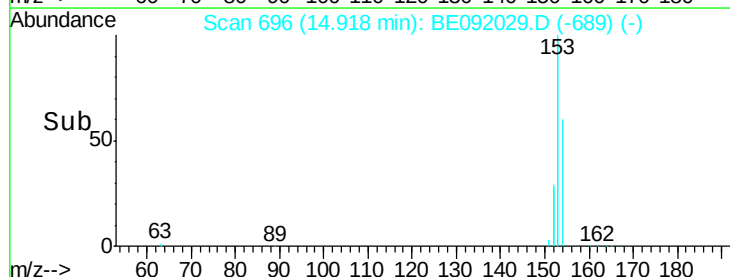
152 0.0 44.2 66.2#

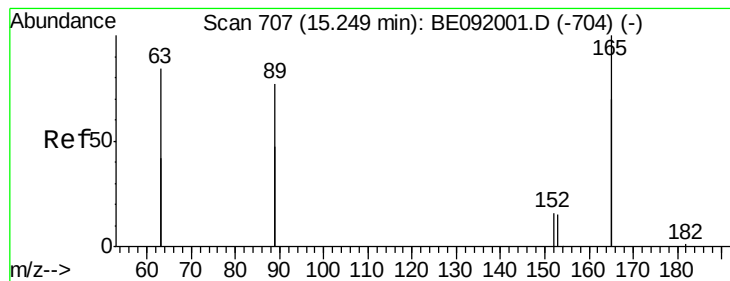


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 3.61 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

Tgt Ion:165 Resp: 92082

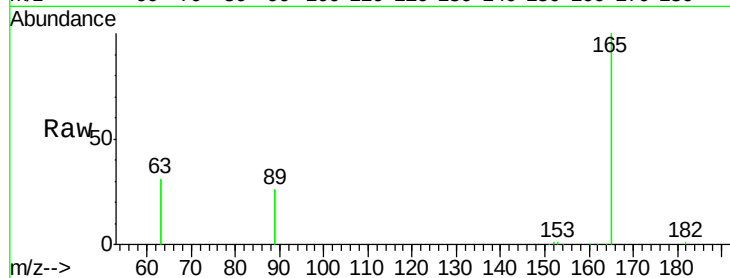
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.4 0.0 0.0#

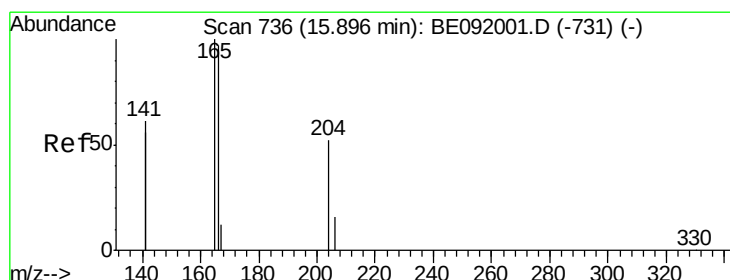
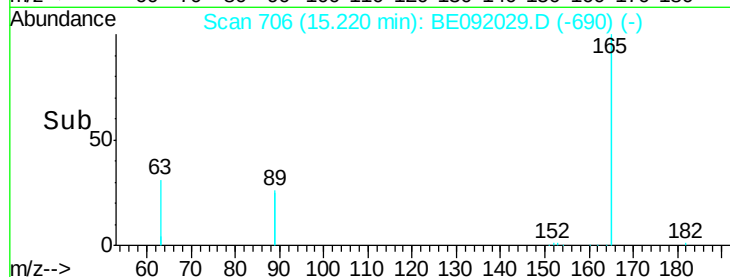
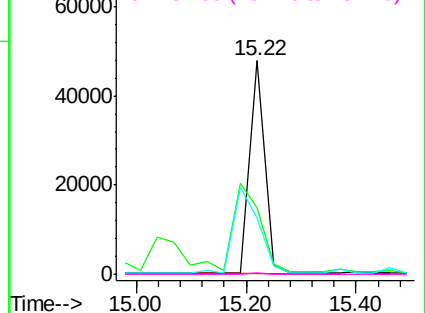


Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.36 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

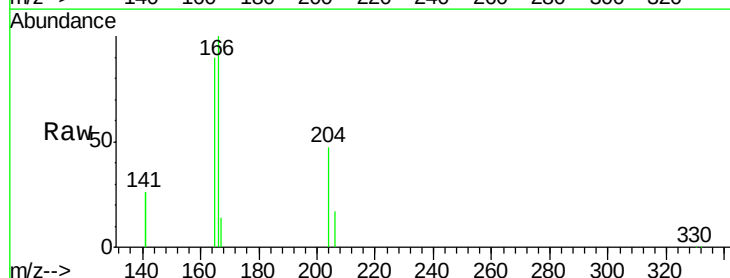
Tgt Ion:166 Resp: 75059

Ion Ratio Lower Upper

166 100

165 98.4 78.6 117.8

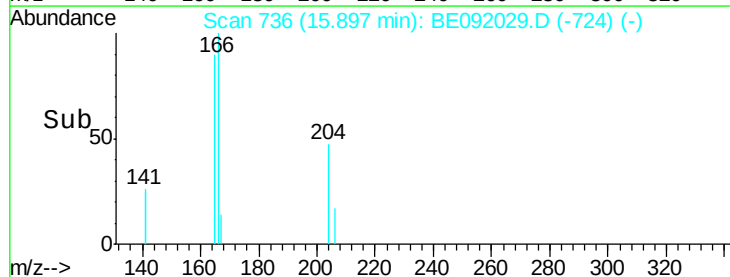
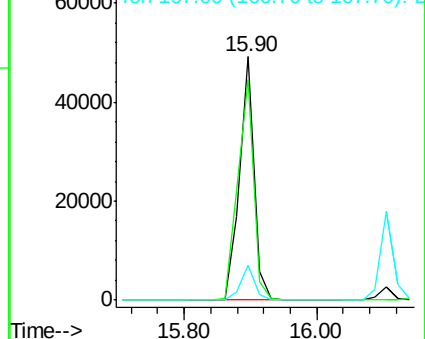
167 13.5 10.8 16.2

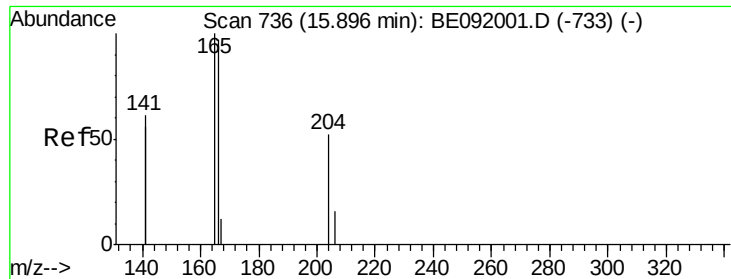


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

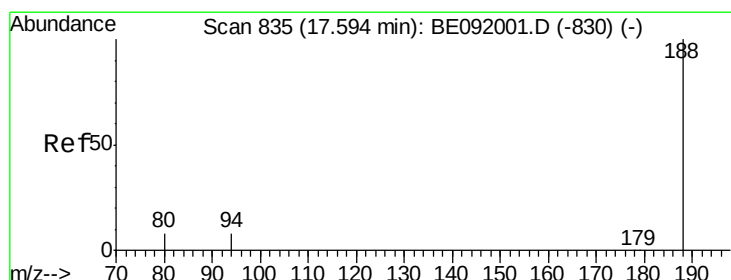
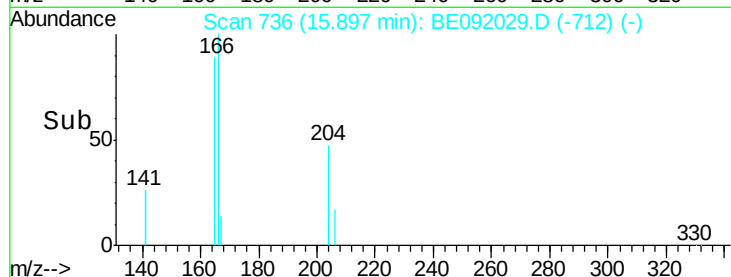
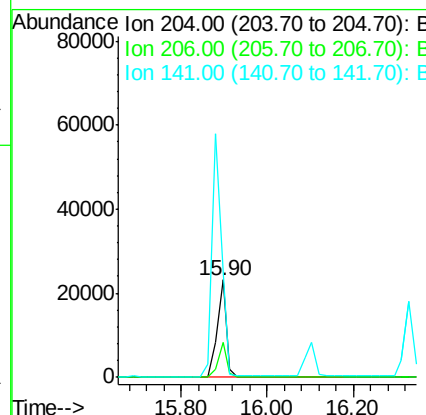
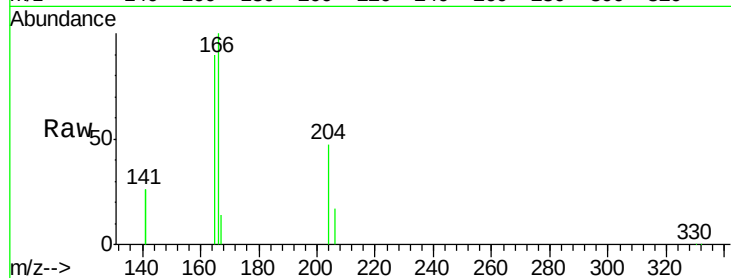




#23
 4-Chlorophenyl-phenylether
 Concen: 3.15 ng
 RT: 15.90 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BE092029.D
 Acq: 23 Jul 2016 5:43

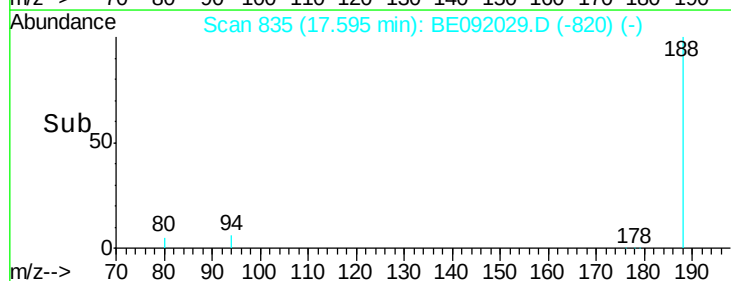
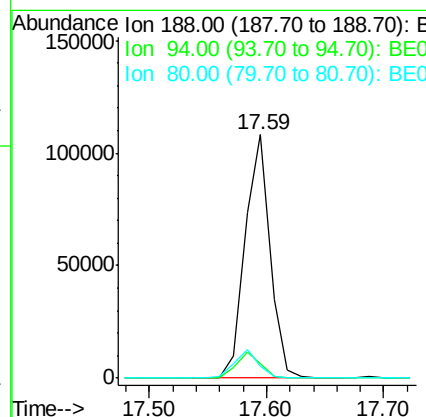
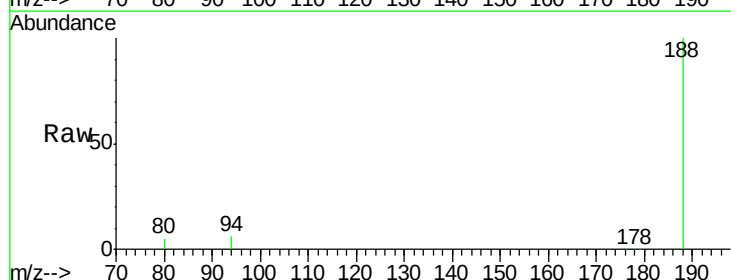
Instrument :
 BNA_E
 ClientSampleId :
 PB92309BS

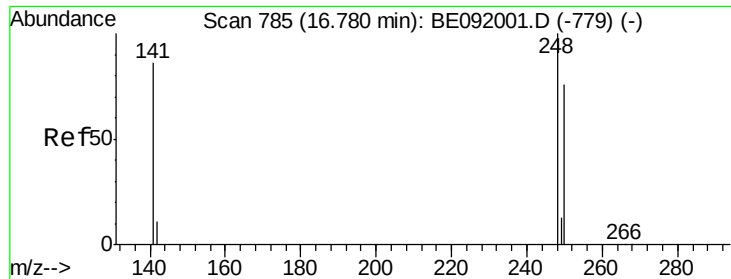
Tgt Ion:204 Resp: 34929
 Ion Ratio Lower Upper
 204 100
 206 33.9 27.8 41.6
 141 257.7 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE092029.D
 Acq: 23 Jul 2016 5:43

Tgt Ion:188 Resp: 160675
 Ion Ratio Lower Upper
 188 100
 94 5.7 4.1 6.1
 80 4.9 3.4 5.2

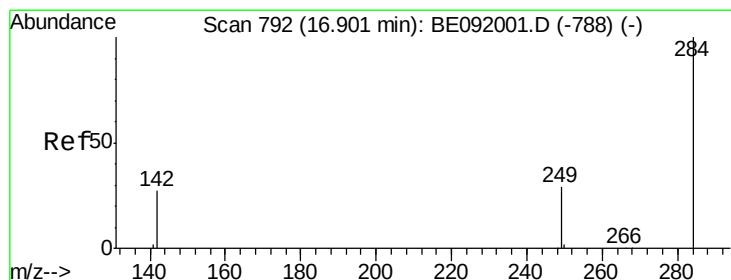
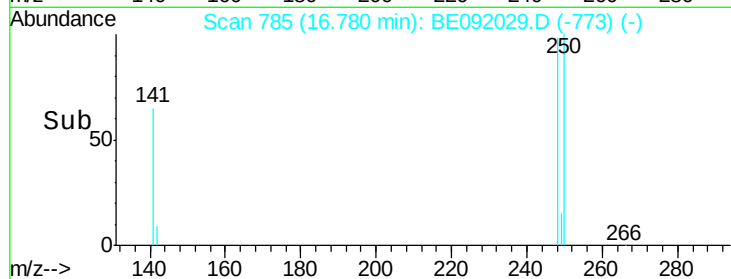
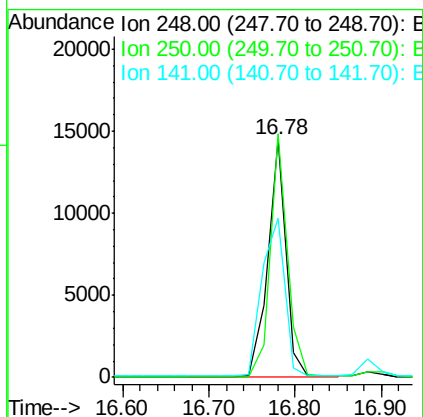
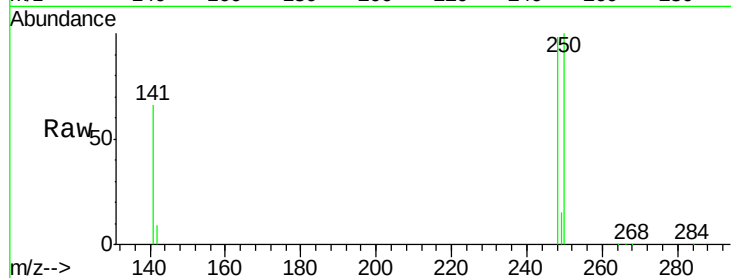




#25
4-Bromophenyl-phenylether
Concen: 3.17 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

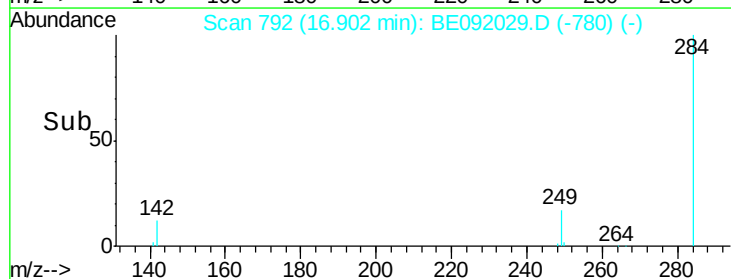
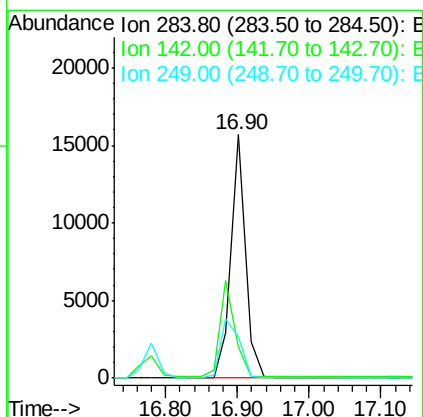
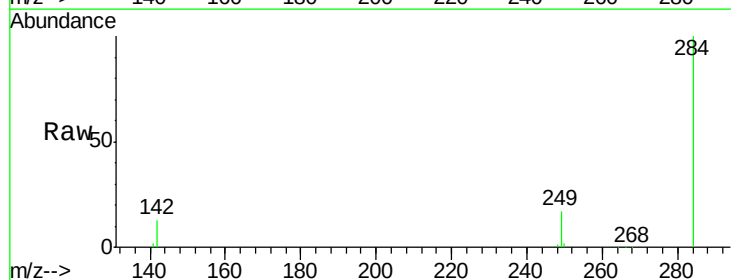
Instrument :
BNA_E
ClientSampleId :
PB92309BS

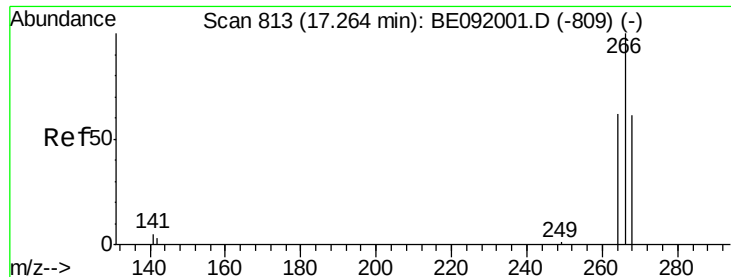
Tgt Ion:248 Resp: 21188
Ion Ratio Lower Upper
248 100
250 97.6 75.7 113.5
141 84.9 64.6 97.0



#26
Hexachlorobenzene
Concen: 3.15 ng
RT: 16.90 min Scan# 792
Delta R.T. 0.00 min
Lab File: BE092029.D
Acq: 23 Jul 2016 5:43

Tgt Ion:284 Resp: 21723
Ion Ratio Lower Upper
284 100
142 41.6 31.4 47.2
249 31.7 25.3 37.9





#27

Pentachlorophenol

Concen: 5.73 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

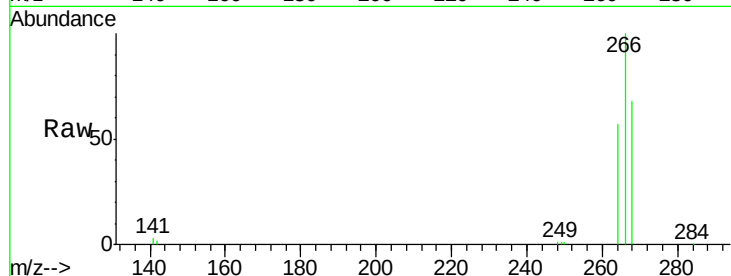
Tgt Ion:266 Resp: 18520

Ion Ratio Lower Upper

266 100

268 68.1 60.5 90.7

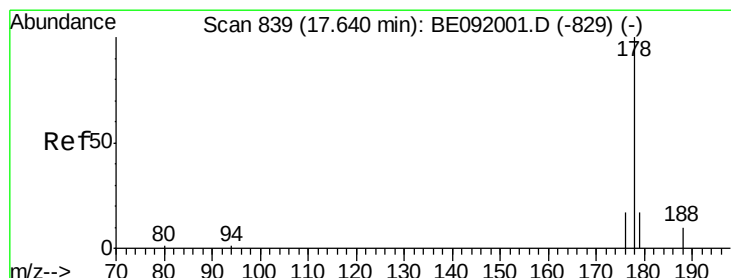
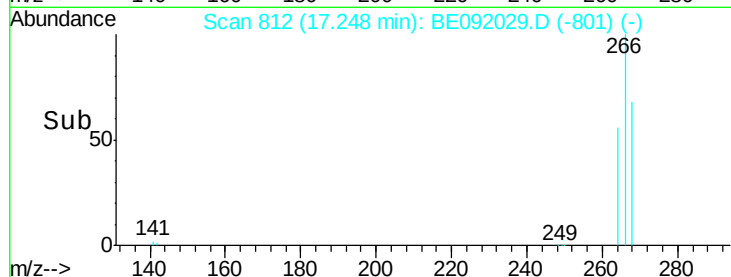
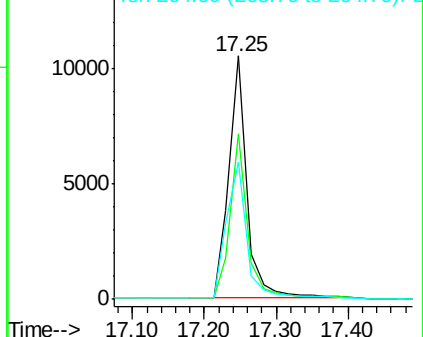
264 56.6 51.0 76.4



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: 3.20 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

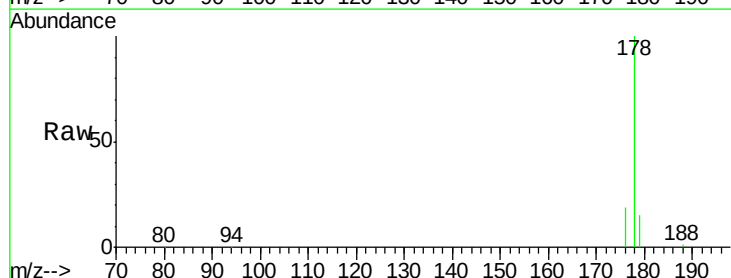
Tgt Ion:178 Resp: 132812

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

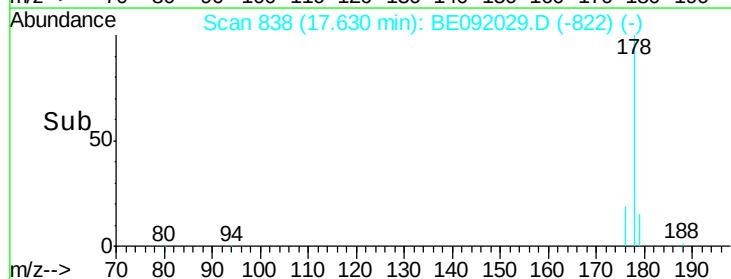
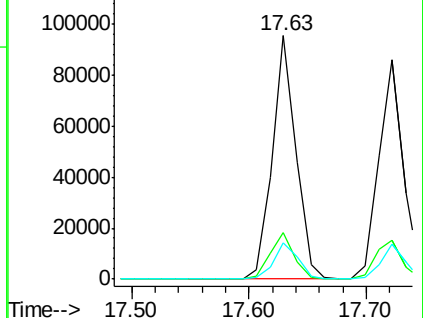
179 15.3 12.9 19.3

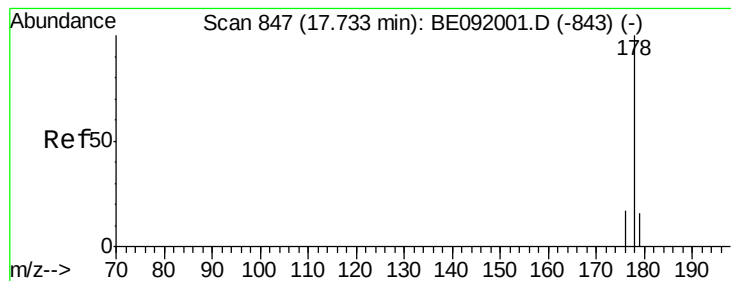


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 3.36 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

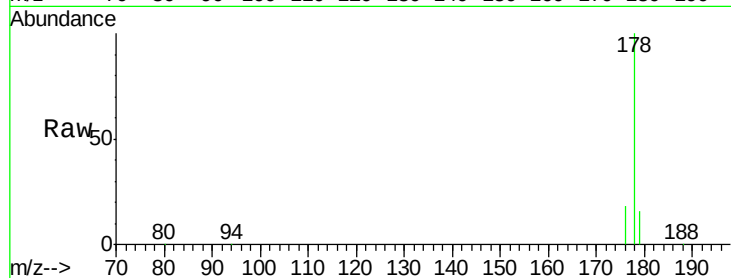
Tgt Ion:178 Resp: 126398

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

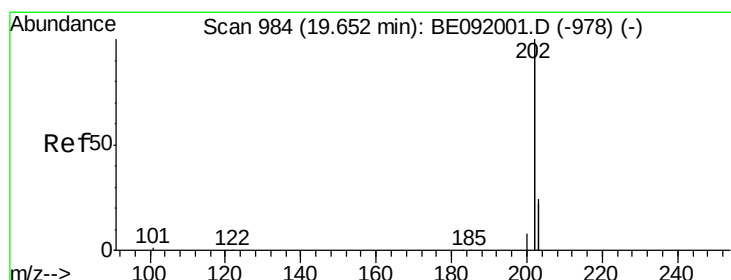
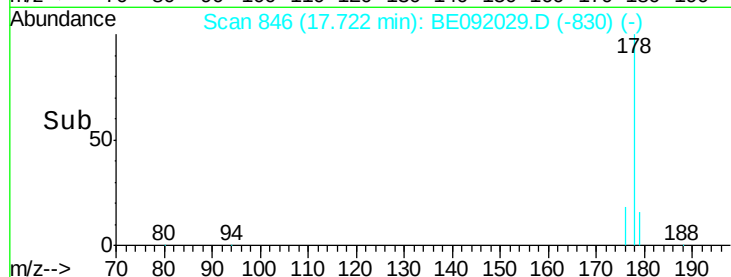
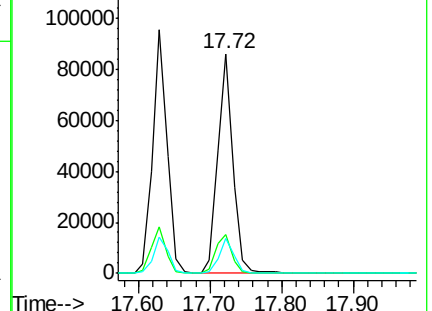
179 15.2 12.1 18.1



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: 3.47 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

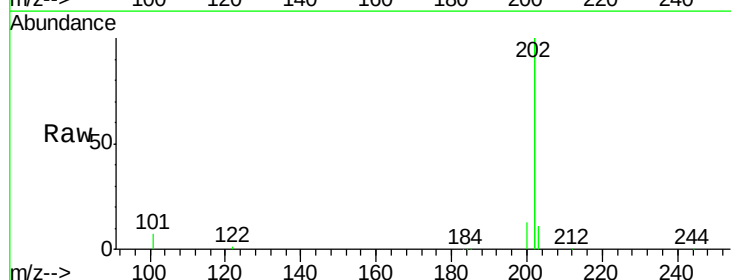
Tgt Ion:202 Resp: 576122

Ion Ratio Lower Upper

202 100

101 3.1 9.4 14.0#

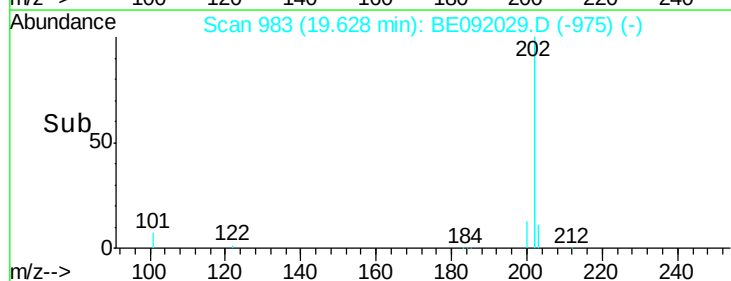
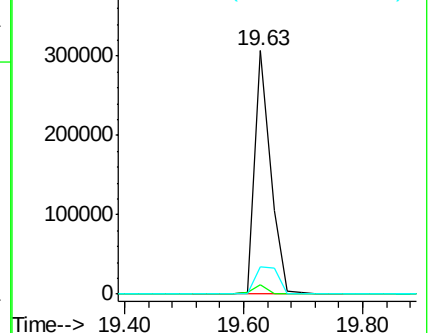
203 16.6 14.3 21.5

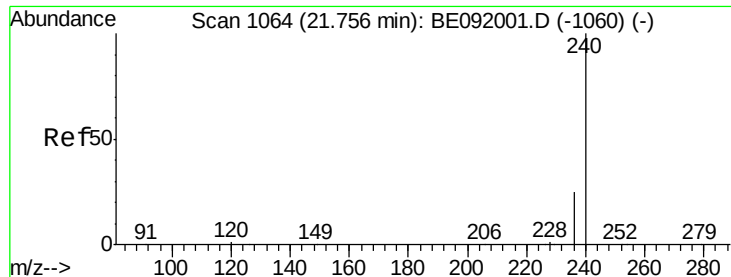


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1064

Delta R.T. -0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

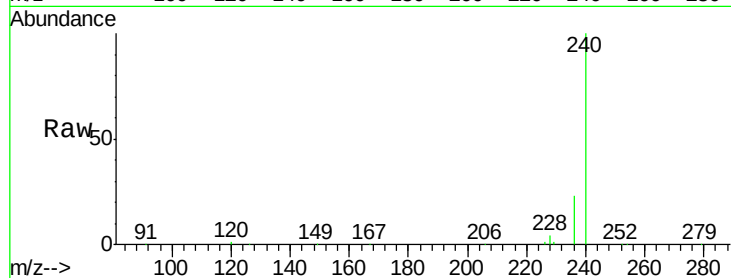
Tgt Ion:240 Resp: 204188

Ion Ratio Lower Upper

240 100

120 0.6 1.2 1.8#

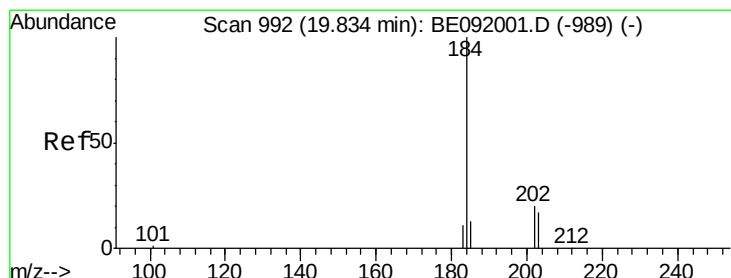
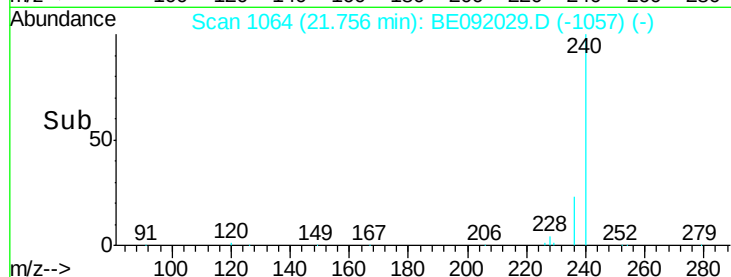
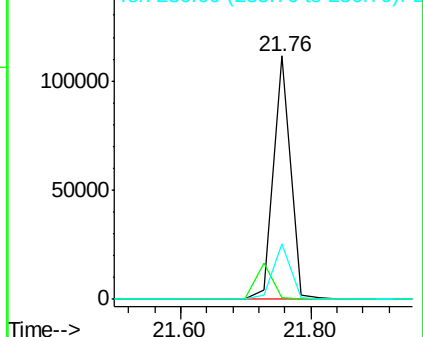
236 22.7 19.8 29.8



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: 0.62 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

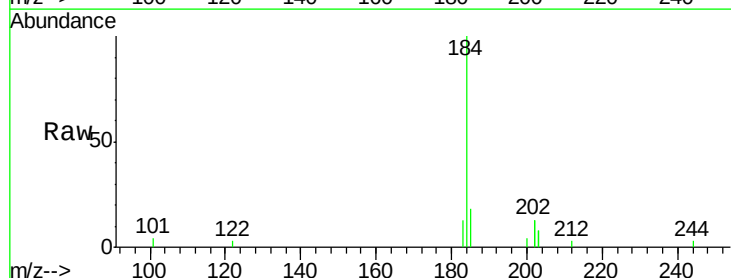
Tgt Ion:184 Resp: 4515

Ion Ratio Lower Upper

184 100

185 17.5 11.4 17.2#

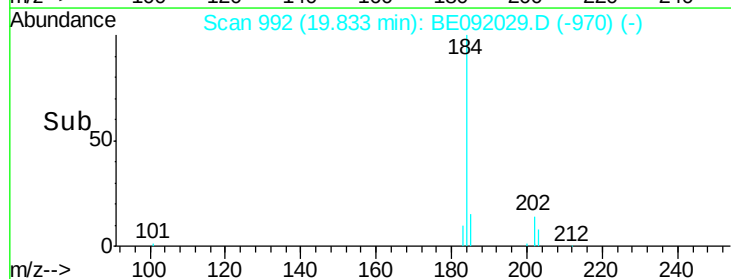
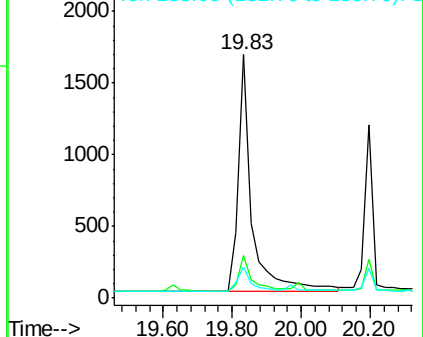
183 12.5 11.8 17.6

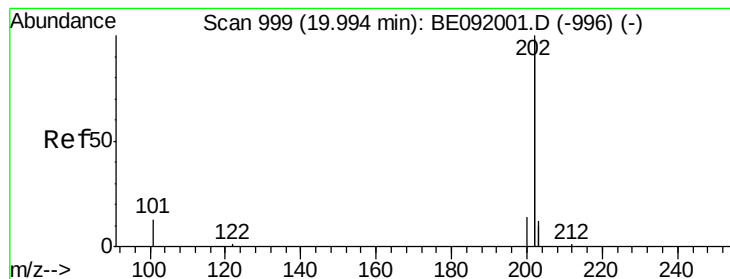


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 4.62 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

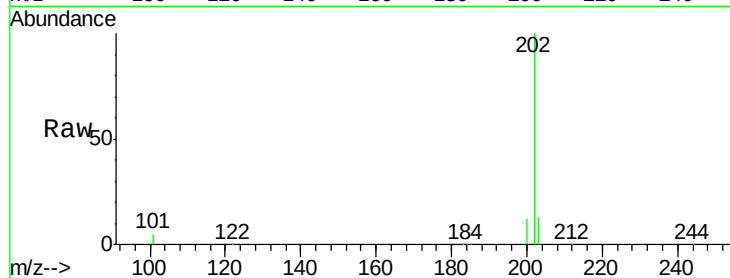
Tgt Ion:202 Resp: 685125

Ion Ratio Lower Upper

202 100

200 5.7 16.9 25.3#

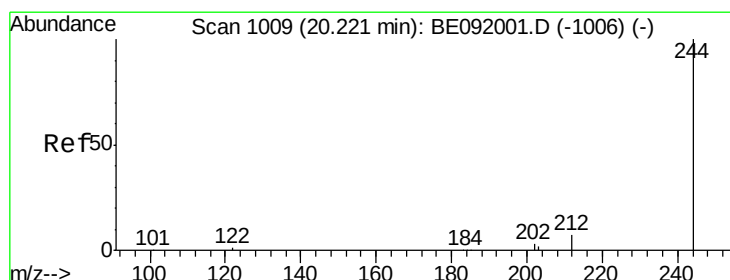
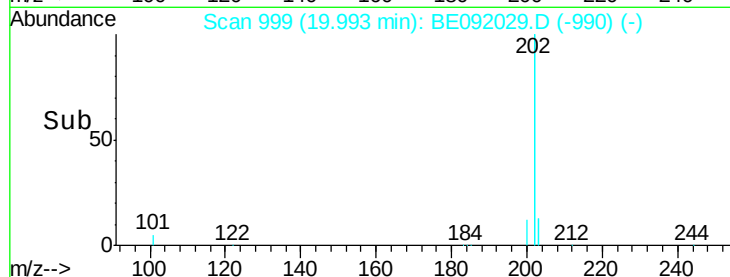
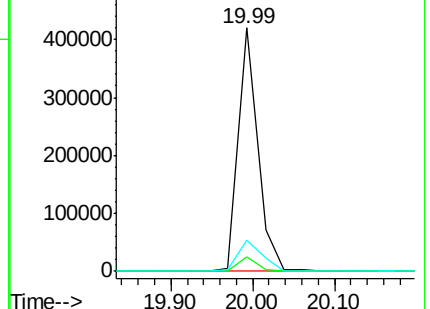
203 16.0 14.1 21.1



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: 4.34 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

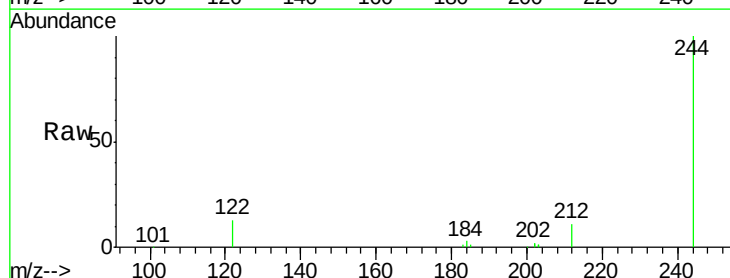
Tgt Ion:244 Resp: 88971

Ion Ratio Lower Upper

244 100

212 10.7 6.5 9.7#

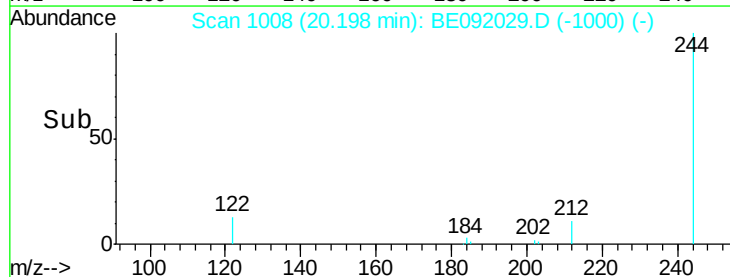
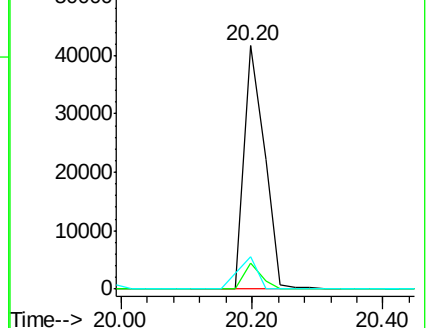
122 13.3 2.9 4.3#

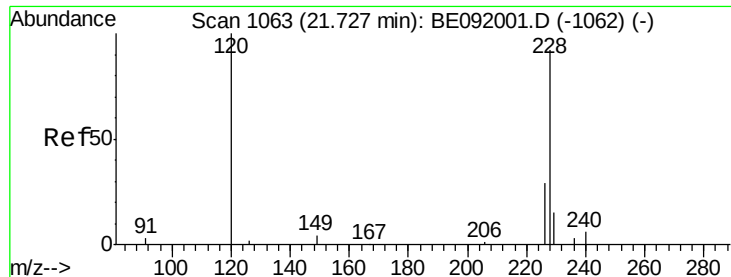


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 9.57 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

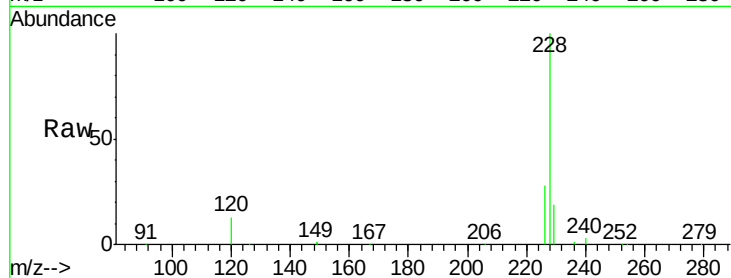
Tgt Ion: 228 Resp: 440146

Ion Ratio Lower Upper

228 100

226 27.6 21.0 31.4

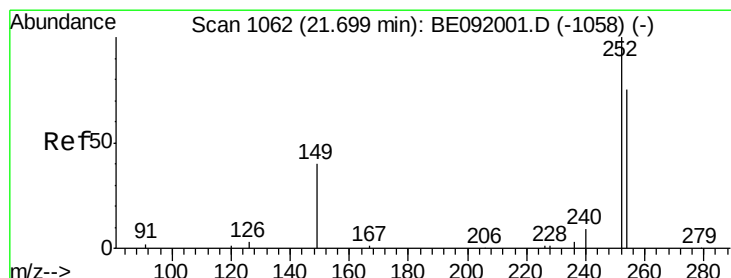
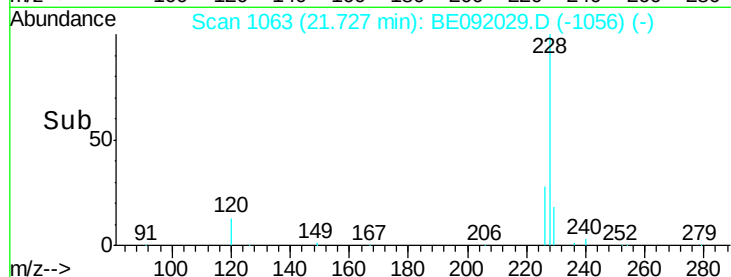
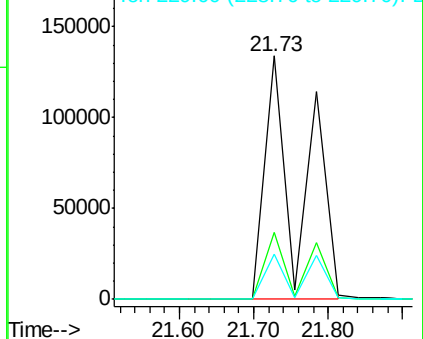
229 18.5 15.8 23.8



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: 3.12 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

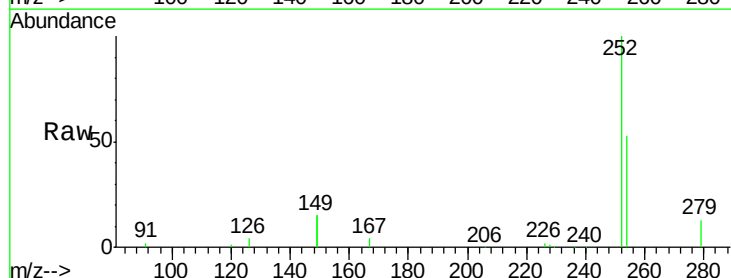
Tgt Ion: 252 Resp: 32519

Ion Ratio Lower Upper

252 100

254 53.0 61.5 92.3#

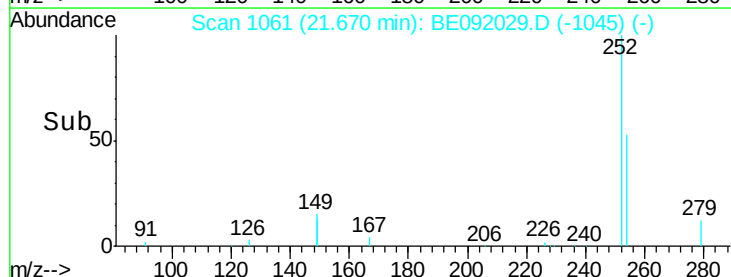
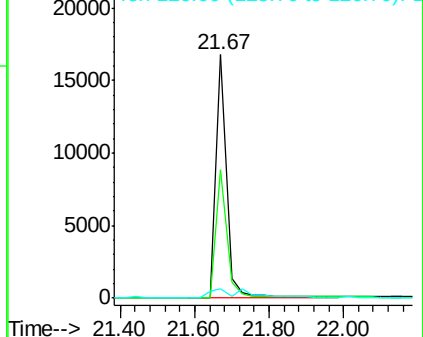
126 3.8 2.5 3.7#

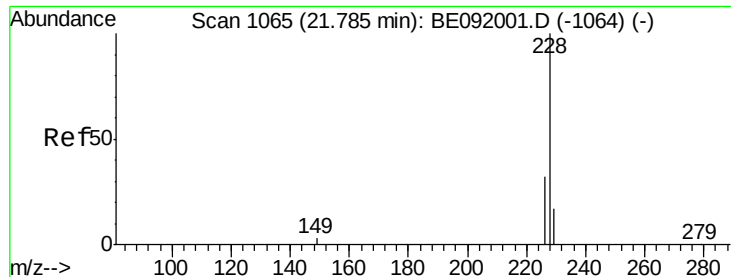


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 7.90 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

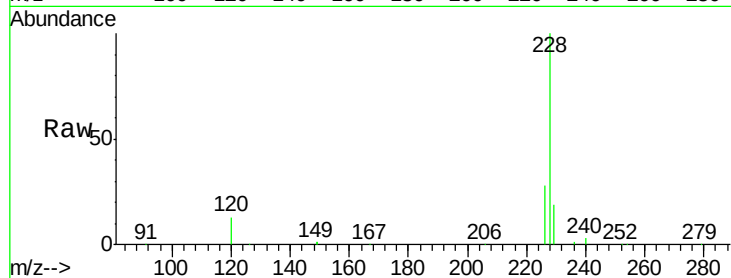
Tgt Ion:228 Resp: 442770

Ion Ratio Lower Upper

228 100

226 27.6 27.0 40.6

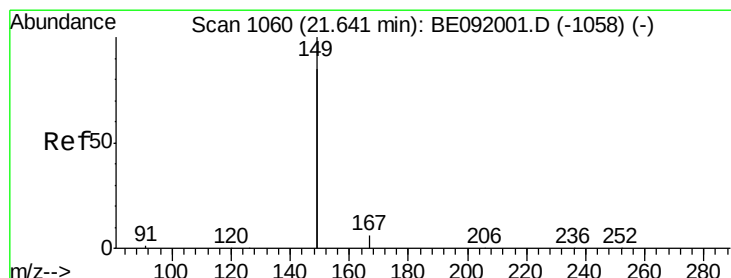
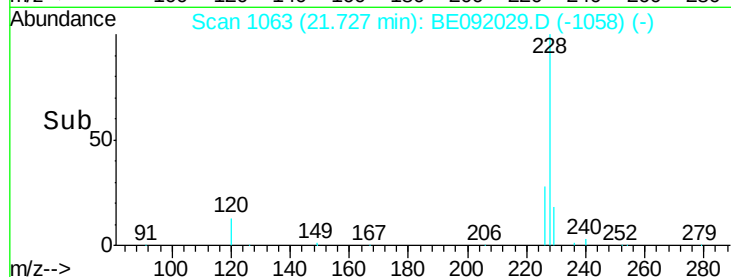
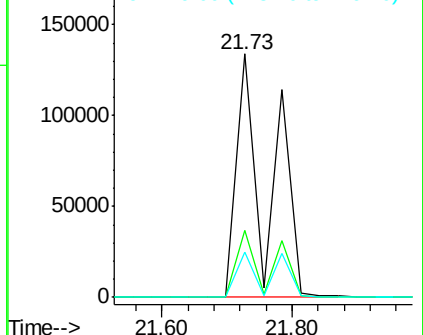
229 18.5 13.8 20.8



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: 9.54 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

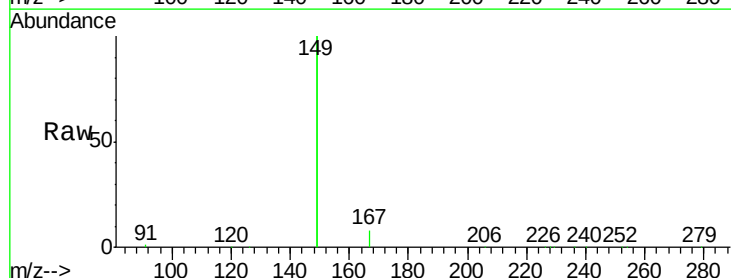
Tgt Ion:149 Resp: 383754

Ion Ratio Lower Upper

149 100

167 4.3 0.0 0.0#

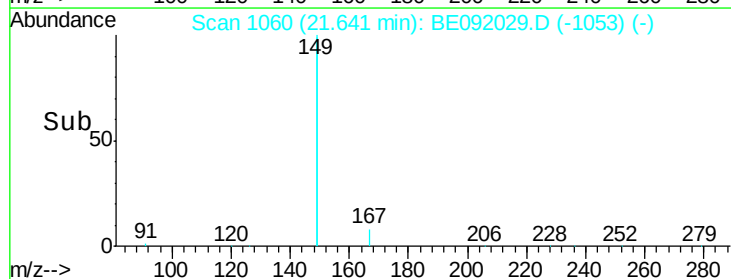
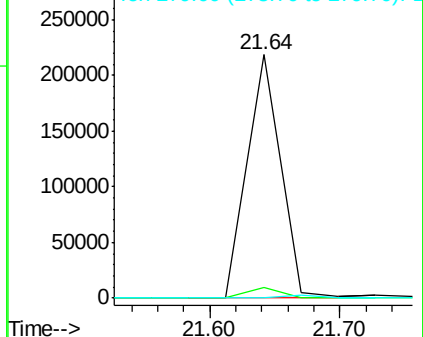
279 0.0 0.0 0.0

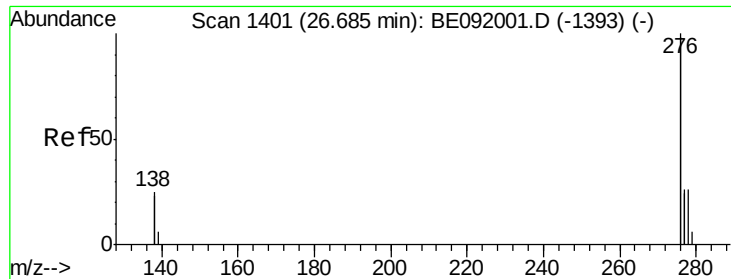


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.62 ng

RT: 26.67 min Scan# 1400

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

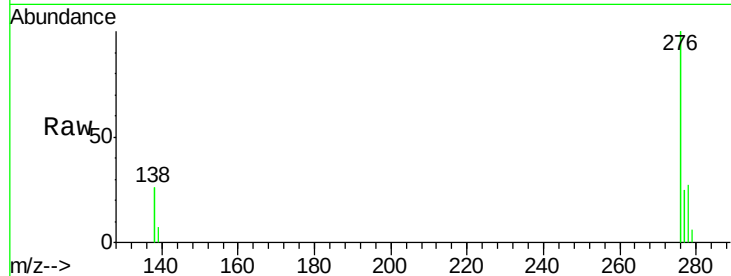
Tgt Ion: 276 Resp: 711797

Ion Ratio Lower Upper

276 100

138 26.8 19.7 29.5

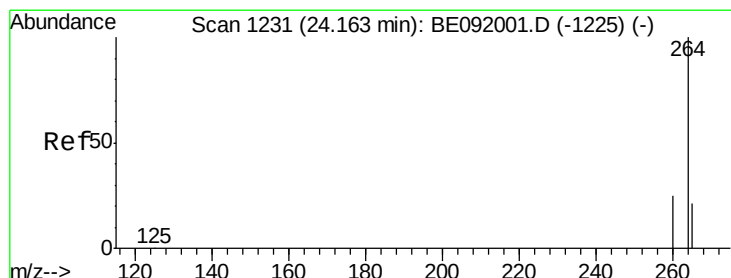
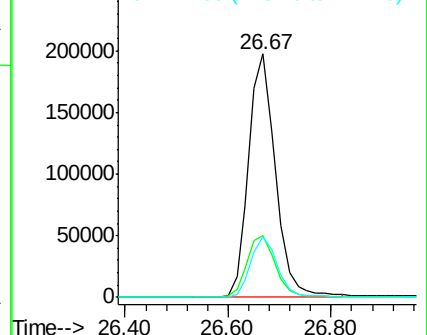
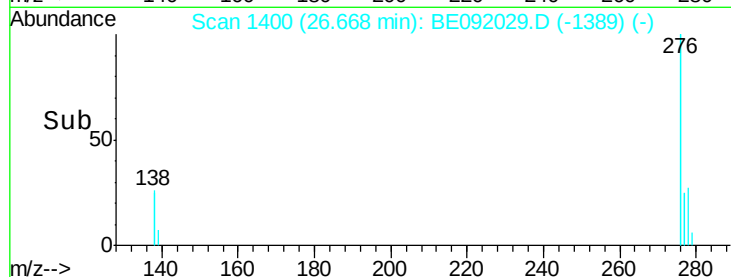
277 24.9 20.1 30.1



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. -0.01 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

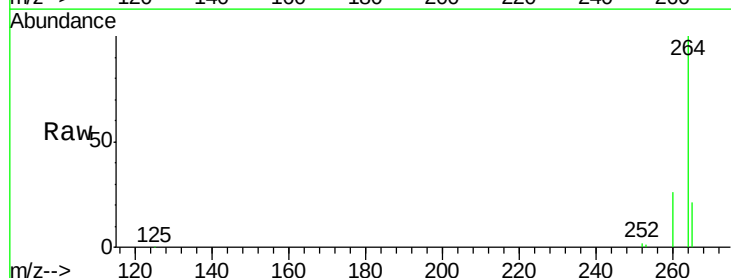
Tgt Ion: 264 Resp: 181836

Ion Ratio Lower Upper

264 100

260 26.4 20.3 30.5

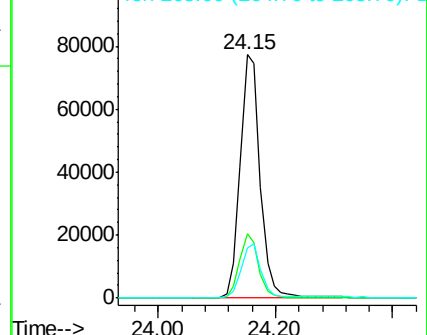
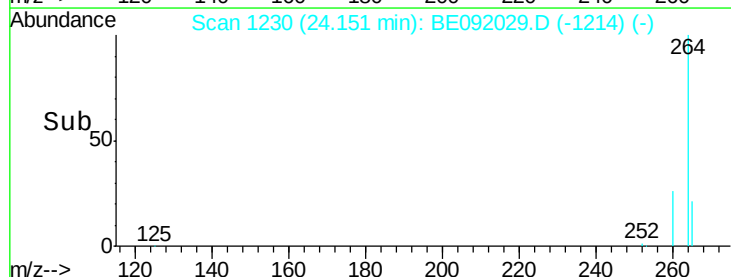
265 20.9 17.6 26.4

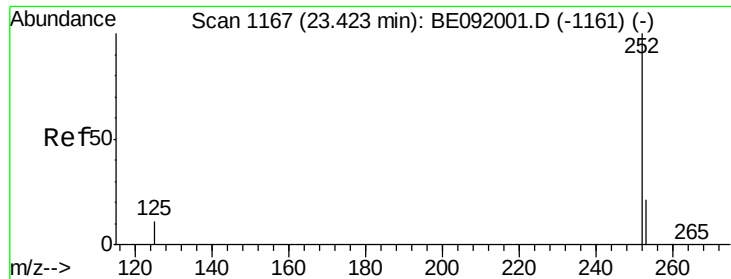


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.34 ng

RT: 23.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

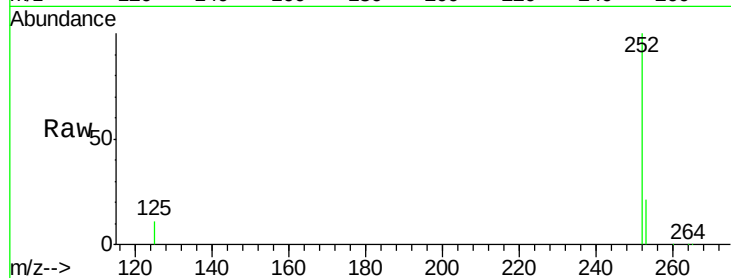
Tgt Ion:252 Resp: 159349

Ion Ratio Lower Upper

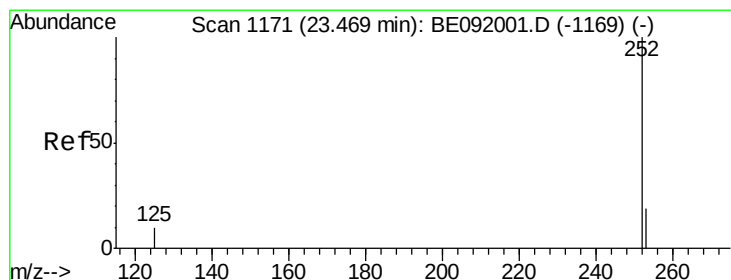
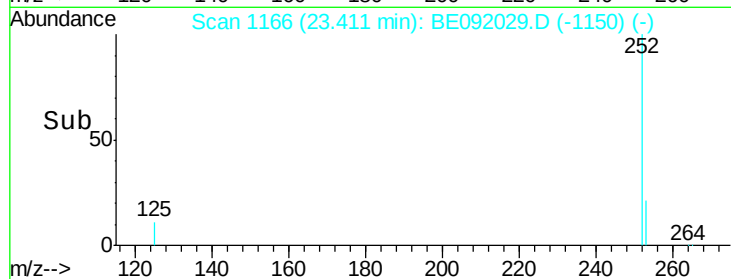
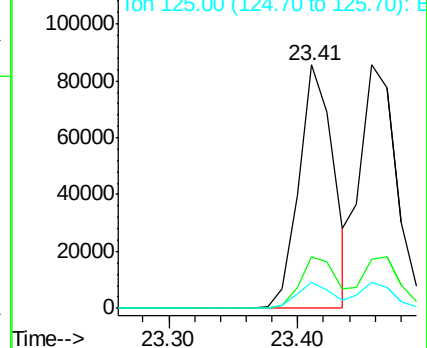
252 100

253 21.2 17.8 26.6

125 10.7 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: 3.49 ng

RT: 23.46 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

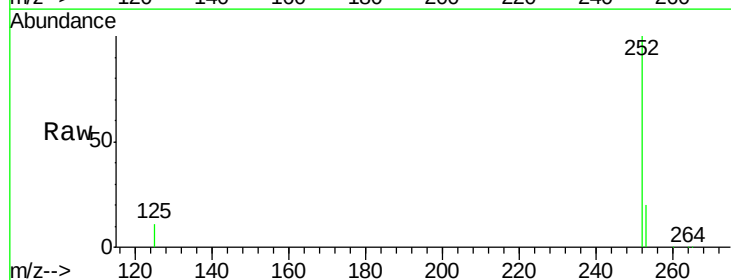
Tgt Ion:252 Resp: 169597

Ion Ratio Lower Upper

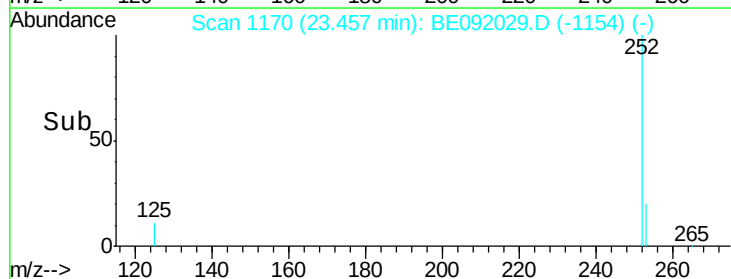
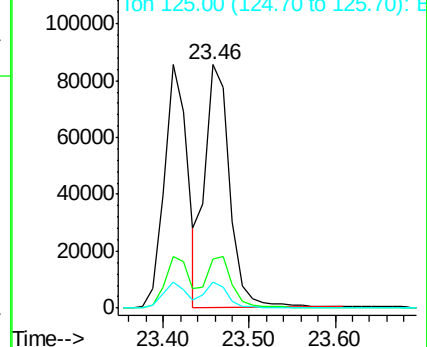
252 100

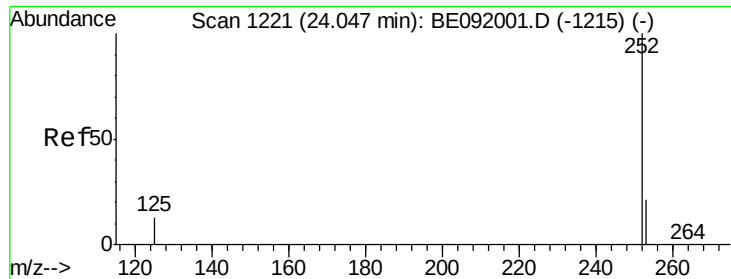
253 20.1 19.4 29.2

125 10.9 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: 3.43 ng

RT: 24.05 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS

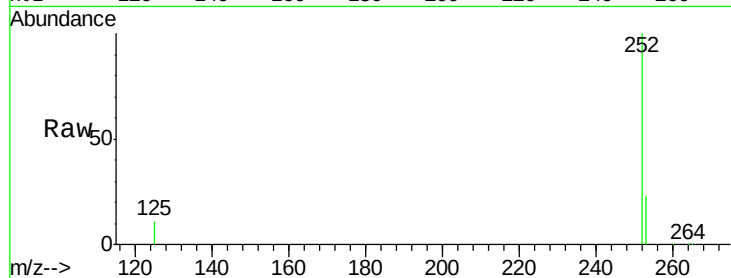
Tgt Ion: 252 Resp: 152159

Ion Ratio Lower Upper

252 100

253 22.7 18.9 28.3

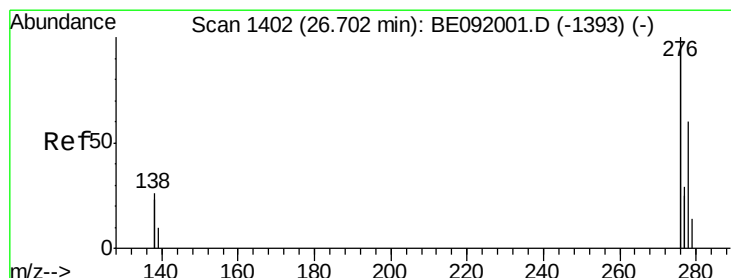
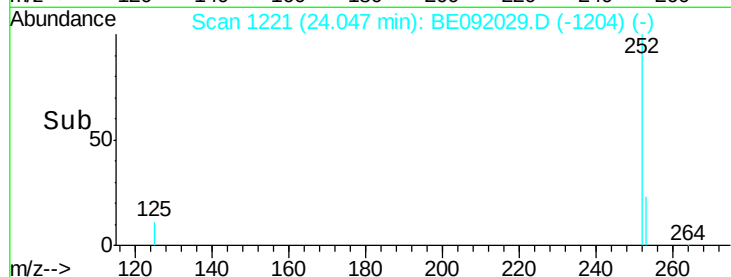
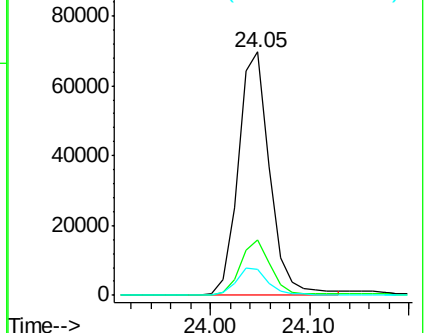
125 10.8 10.5 15.7



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: 3.71 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE092029.D

Acq: 23 Jul 2016 5:43

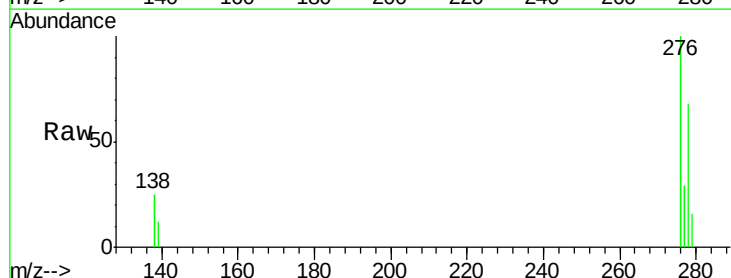
Tgt Ion: 278 Resp: 147068

Ion Ratio Lower Upper

278 100

139 17.0 12.6 18.8

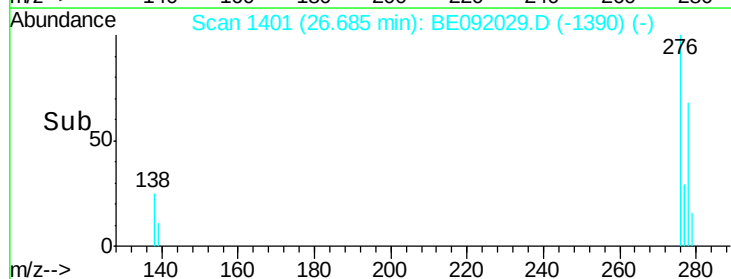
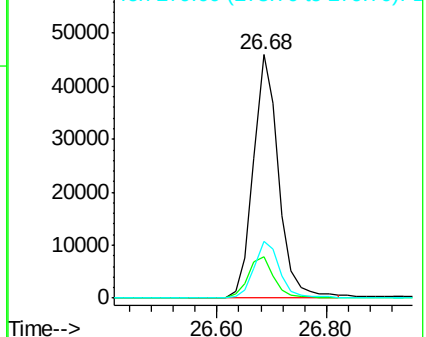
279 23.3 20.0 30.0

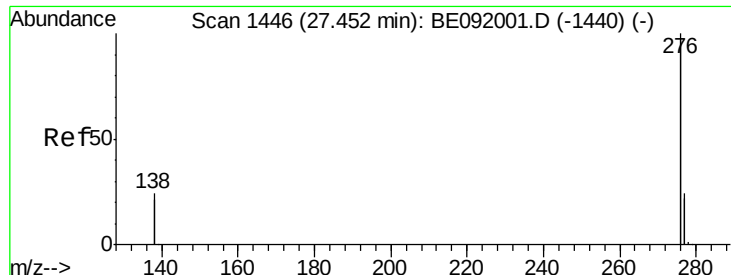


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.68 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BE092029.D

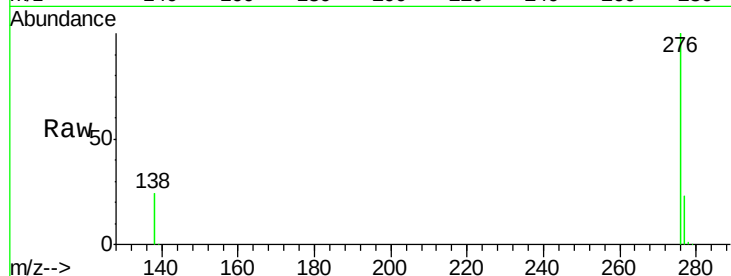
Acq: 23 Jul 2016 5:43

Instrument :

BNA_E

ClientSampleId :

PB92309BS



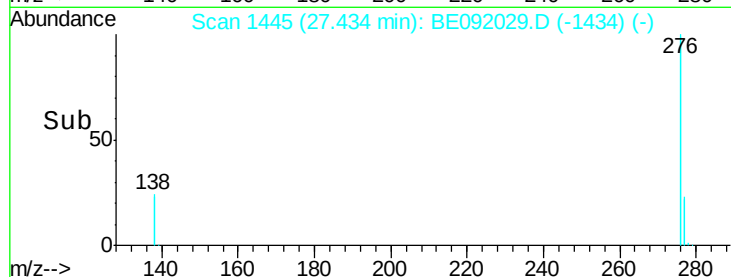
Tgt Ion: 276 Resp: 596884

Ion Ratio Lower Upper

276 100

277 22.8 19.5 29.3

138 23.7 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

