

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072716\
 Data File : BE092051.D
 Acq On : 27 Jul 2016 11:24
 Operator : UM/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Jul 27 13:08:23 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 12:50:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	9475	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	42709	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	18445	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	59195	5.00	ng	0.00
31) Chrysene-d12	21.76	240	59346	5.00	ng	0.00
40) Perylene-d12	24.15	264	63468	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	740	0.37	ng	0.00
5) Phenol-d6	7.35	99	998	0.35	ng	0.00
9) Nitrobenzene-d5	9.36	82	1182	0.34	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	213	0.37	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	2910	0.37	ng	0.00
34) Terphenyl-d14	20.20	244	3921	0.32	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.45	88	521	0.34	ng	94
3) n-Nitrosodimethylamine	3.82	42	562	0.38	ng	# 96
6) bis(2-Chloroethyl)ether	7.61	93	986	0.38	ng	94
7) n-Nitroso-di-n-propylamine	9.00	70	795	0.38	ng	99
10) Nitrobenzene	9.40	77	1093	0.40	ng	98
11) bis(2-Chloroethoxy)methane	10.42	93	1238	0.40	ng	98
12) Naphthalene	11.04	128	3716	0.37	ng	100
13) Hexachlorobutadiene	11.32	225	546	0.36	ng	# 99
14) 2-Methylnaphthalene	12.66	142	2261	0.37	ng	# 86
18) Acenaphthylene	14.56	152	17636	0.39	ng	98
19) 2,6-Dinitrotoluene	14.44	165	1715	0.39	ng	# 100
20) Acenaphthene	14.92	154	1974	0.36	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	4883	1.31	ng	# 1
22) Fluorene	15.90	166	3062	0.38	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	1545	0.37	ng	91
25) 4-Bromophenyl-phenylether	16.78	248	945	0.37	ng	97
26) Hexachlorobenzene	16.90	284	985	0.37	ng	98
27) Pentachlorophenol	17.25	266	152	0.38	ng	98
28) Phenanthrene	17.63	178	5814	0.36	ng	99
29) Anthracene	17.72	178	5066	0.37	ng	100
30) Fluoranthene	19.63	202	23400	0.34	ng	# 67
32) Benzidine	19.83	184	837	0.42	ng	98
33) Pyrene	19.99	202	27918	0.39	ng	99
35) Benzo(a)anthracene	21.73	228	20196	0.55	ng	97
36) 3,3'-Dichlorobenzidine	21.67	252	1457	0.46	ng	96
37) Chrysene	21.73	228	20478	0.50	ng	97
38) Bis(2-ethylhexyl)phthalate	21.64	149	19276	0.26	ng	# 99
39) Indeno(1,2,3-cd)pyrene	26.67	276	25890	0.40	ng	99
41) Benzo(b)fluoranthene	23.41	252	7372	0.24	ng	99
42) Benzo(k)fluoranthene	23.46	252	8048	0.28	ng	95
43) Benzo(a)pyrene	24.04	252	6258	0.31	ng	96
44) Dibenzo(a,h)anthracene	26.68	278	5188	0.38	ng	99
45) Benzo(g,h,i)perylene	27.43	276	21863	0.37	ng	100

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Quant Time: Jul 27 13:08:23 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 12:50:07 2016
Response via : Initial Calibration

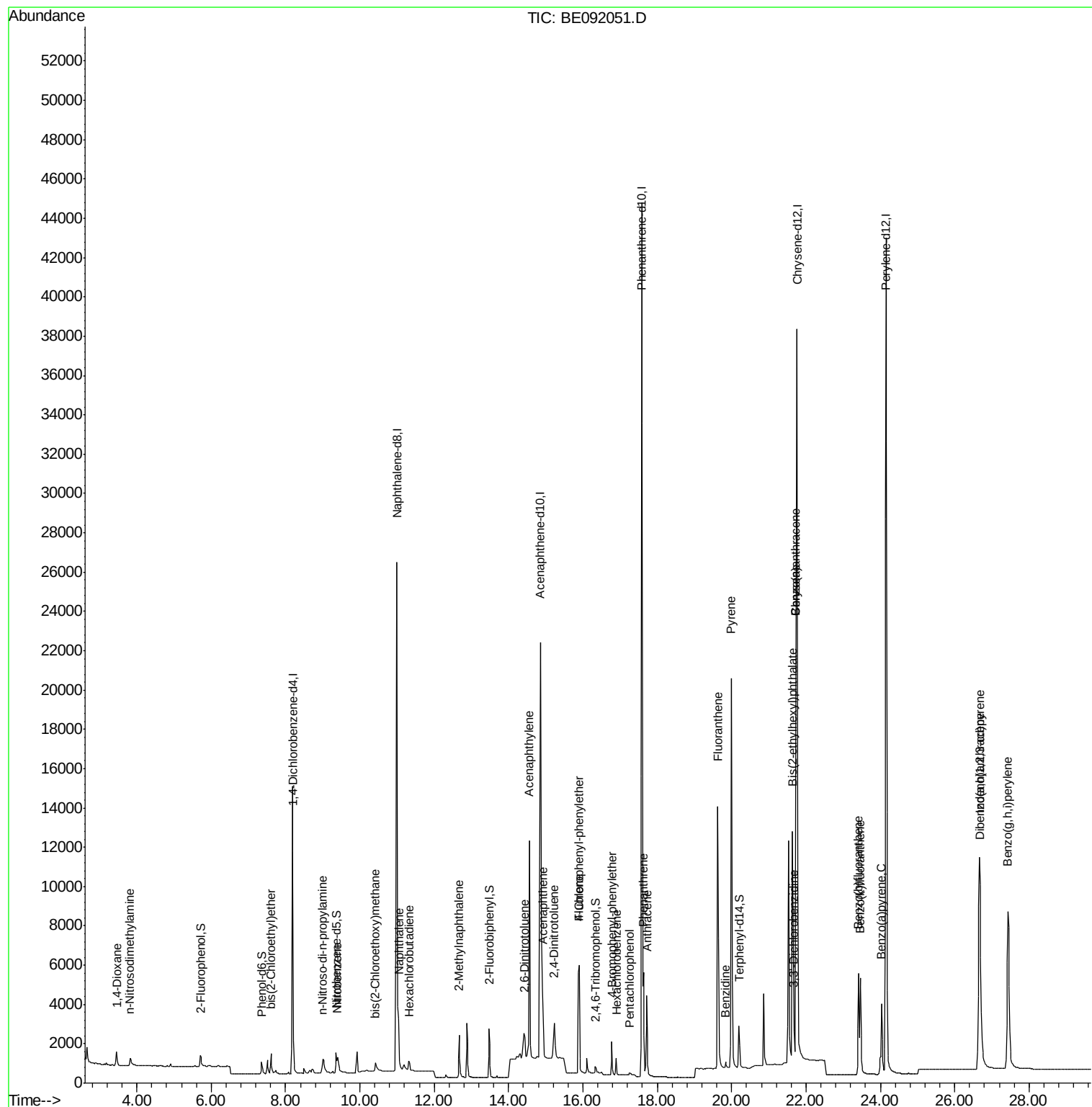
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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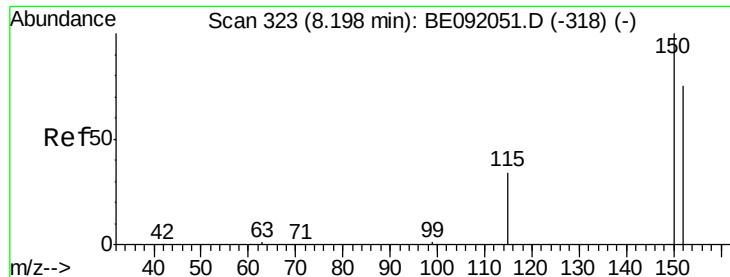
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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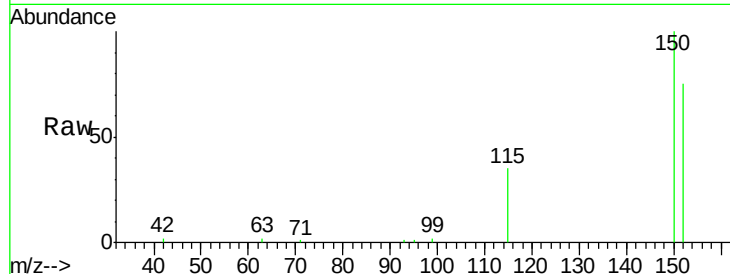


#1

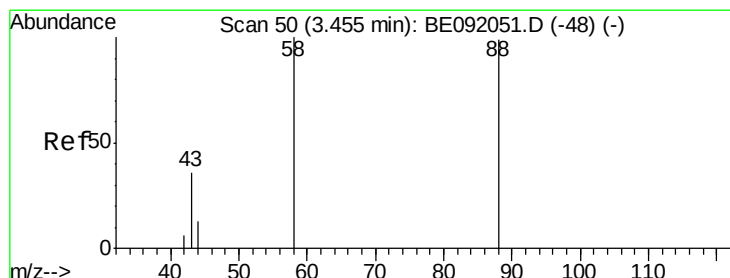
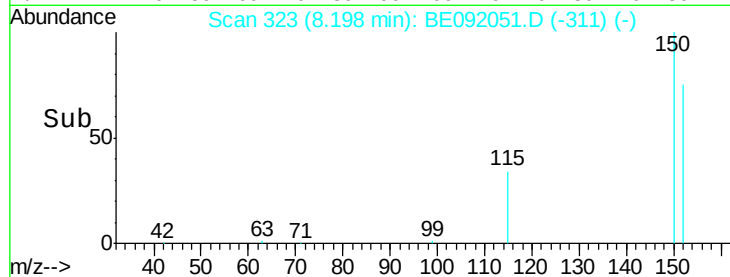
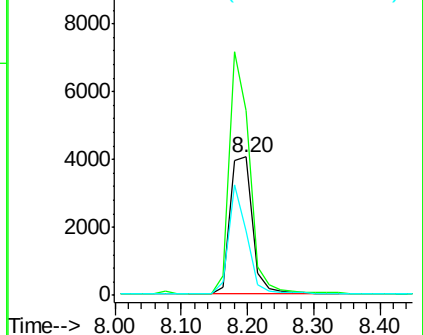
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 152 Resp: 9475
Ion Ratio Lower Upper
152 100
150 133.3 106.0 159.0
115 46.8 36.9 55.3



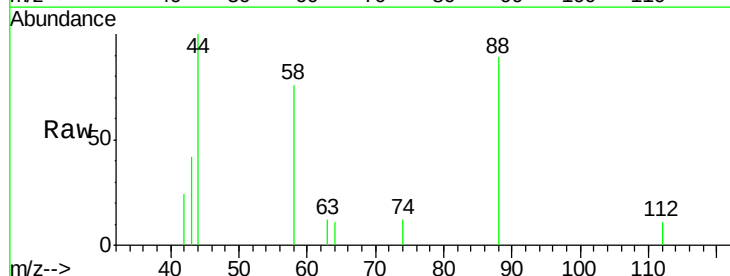
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



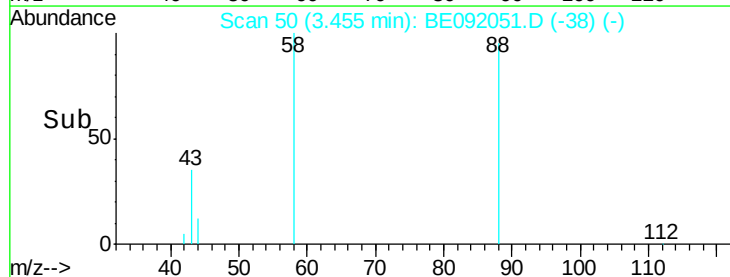
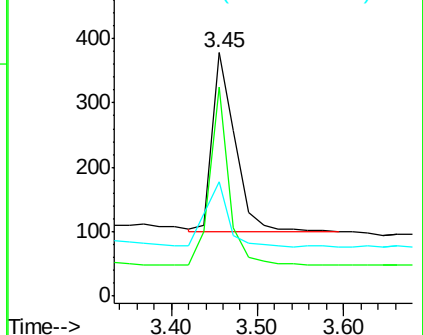
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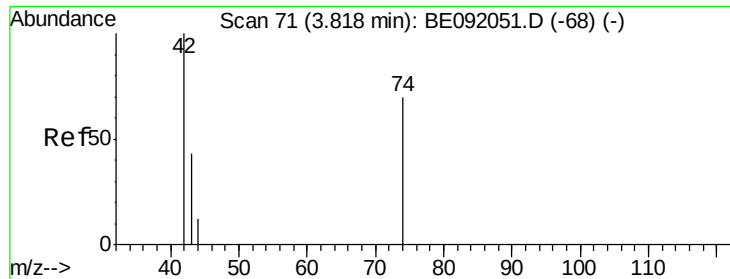
1,4-Dioxane
Concen: 0.34 ng
RT: 3.45 min Scan# 50
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

Tgt Ion: 88 Resp: 521
Ion Ratio Lower Upper
88 100
58 83.3 62.1 93.1
43 36.3 27.2 40.8



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



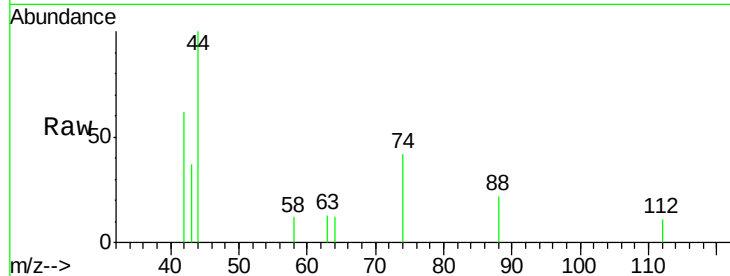


#3

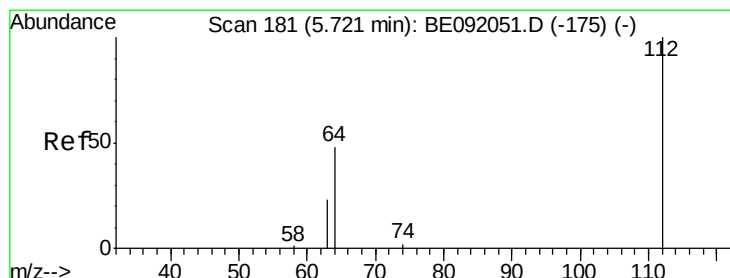
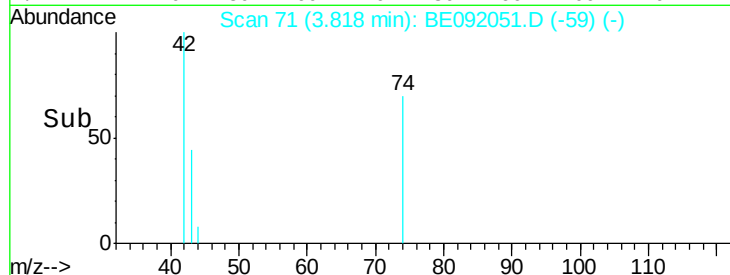
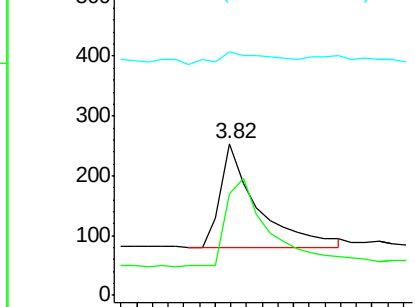
n-Nitrosodimethylamine
 Concen: 0.38 ng
 RT: 3.82 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: BE092051.D
 Acq: 27 Jul 2016 11:24

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion: 42 Resp: 562
 Ion Ratio Lower Upper
 42 100
 74 100.4 82.8 124.2
 44 15.7 9.0 13.4#



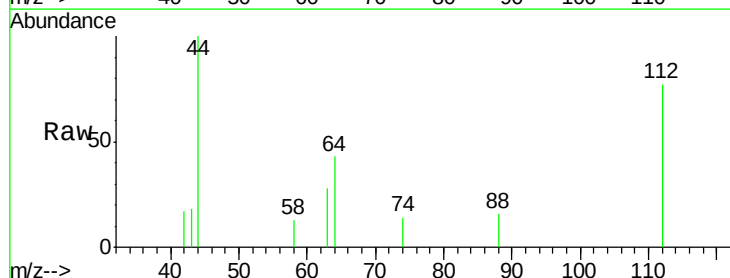
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



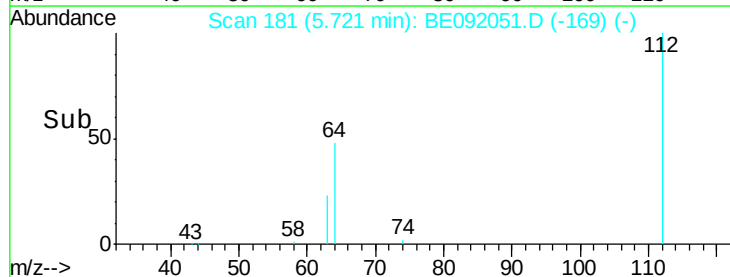
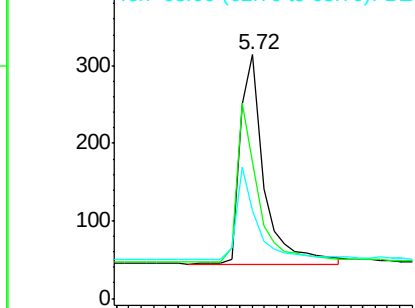
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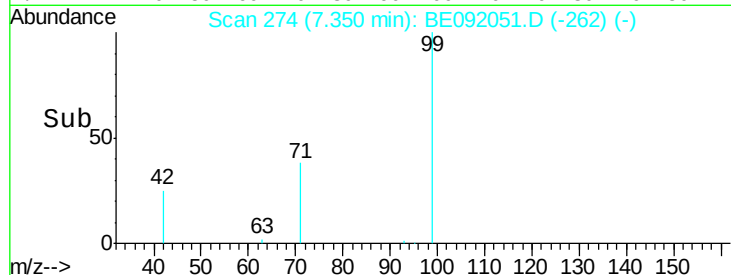
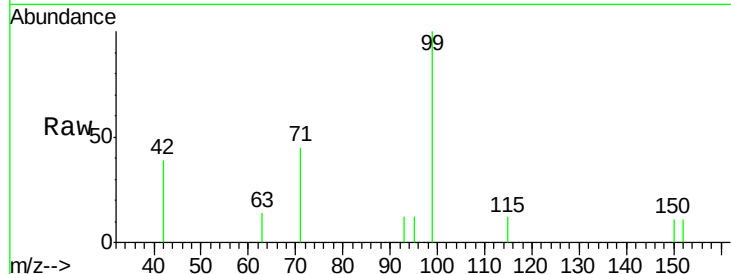
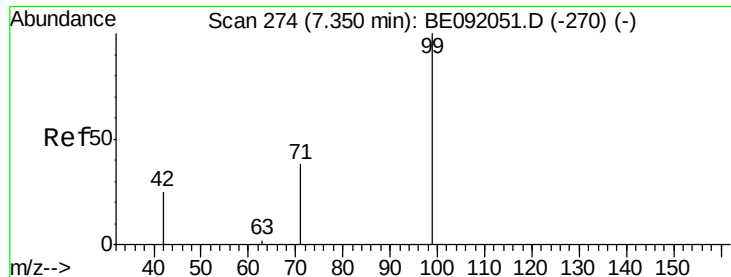
2-Fluorophenol
 Concen: 0.37 ng
 RT: 5.72 min Scan# 181
 Delta R.T. 0.00 min
 Lab File: BE092051.D
 Acq: 27 Jul 2016 11:24

Tgt Ion: 112 Resp: 740
 Ion Ratio Lower Upper
 112 100
 64 66.1 55.9 83.9
 63 35.1 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.35 ng

RT: 7.35 min Scan# 274

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

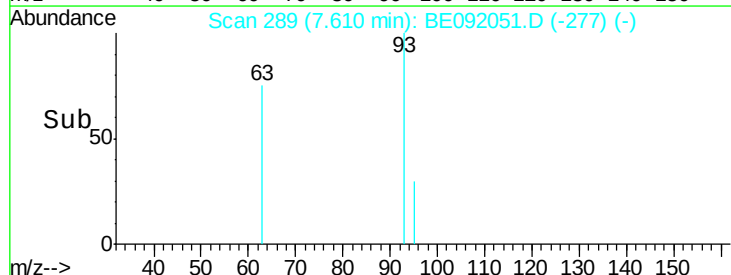
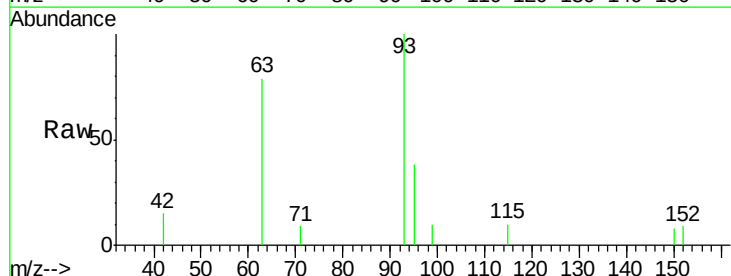
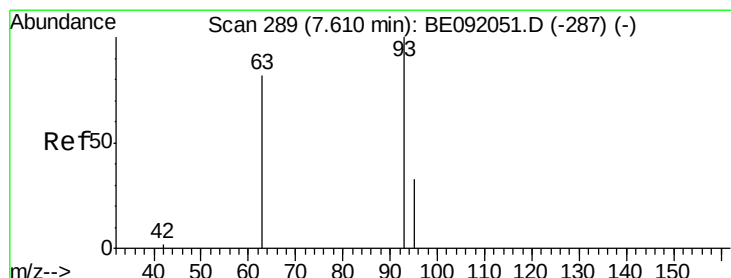
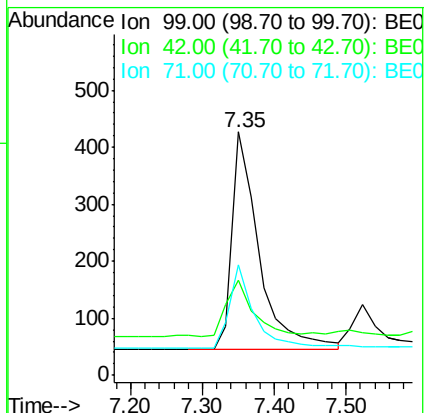
Tgt Ion: 99 Resp: 998

Ion Ratio Lower Upper

99 100

42 27.0 22.4 33.6

71 35.6 28.9 43.3



#6

bis(2-Chloroethyl)ether

Concen: 0.38 ng

RT: 7.61 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

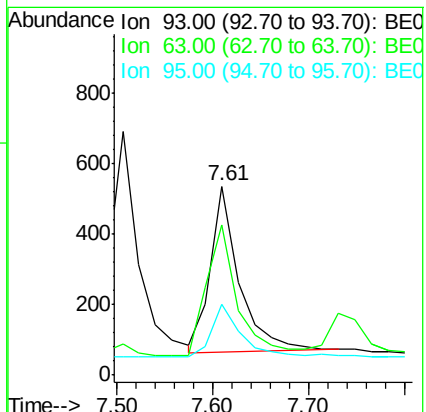
Tgt Ion: 93 Resp: 986

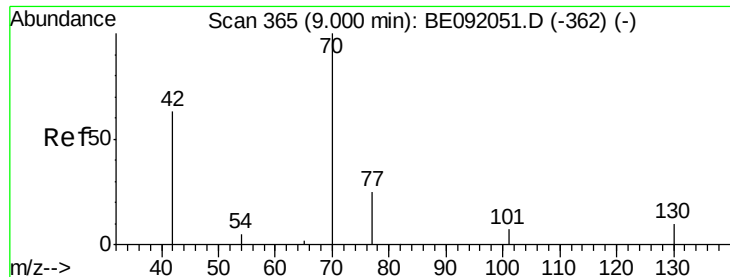
Ion Ratio Lower Upper

93 100

63 87.0 64.4 96.6

95 33.2 25.8 38.8





#7

n-Nitroso-di-n-propylamine

Concen: 0.38 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

Tgt Ion: 70 Resp: 795

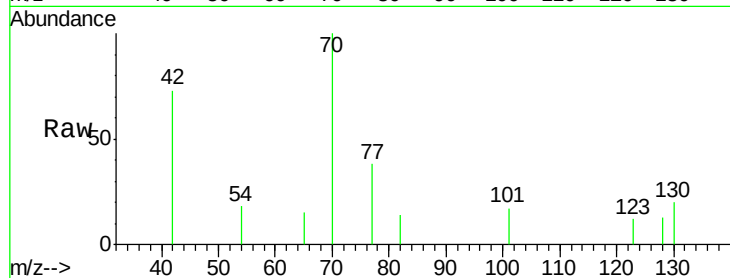
Ion Ratio Lower Upper

70 100

42 76.4 60.2 90.4

101 7.9 6.8 10.2

130 17.0 13.3 19.9

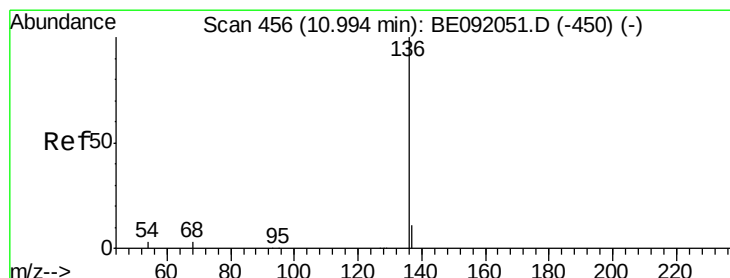
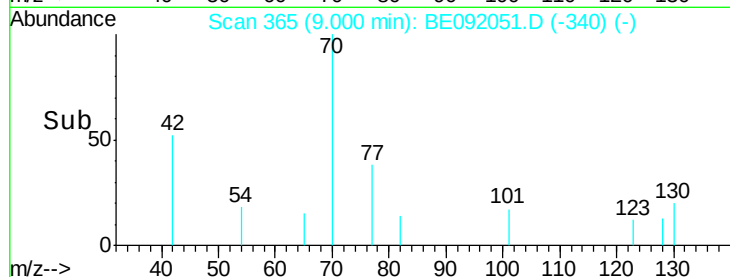
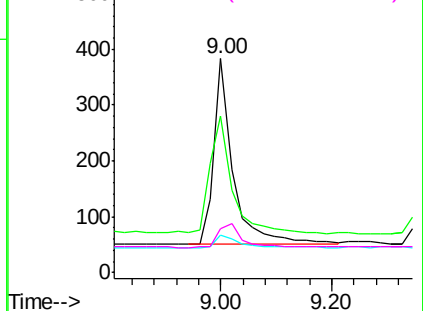


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Tgt Ion: 136 Resp: 42709

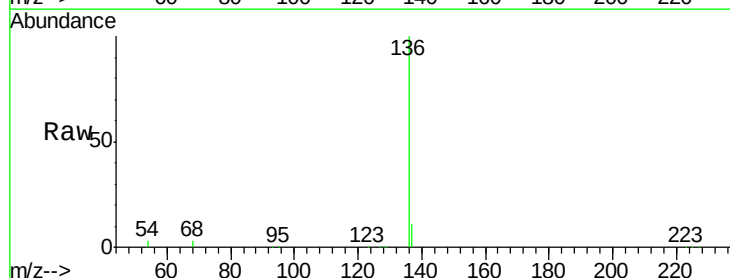
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 3.5 2.7 4.1

68 2.8 2.2 3.4

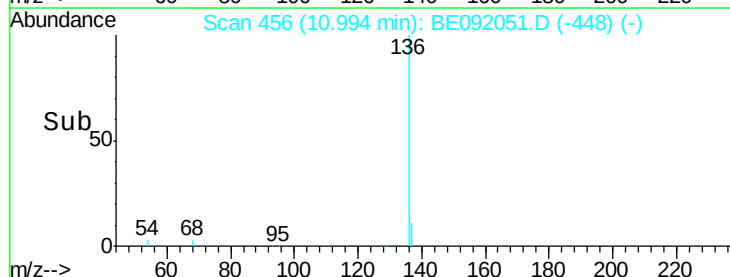
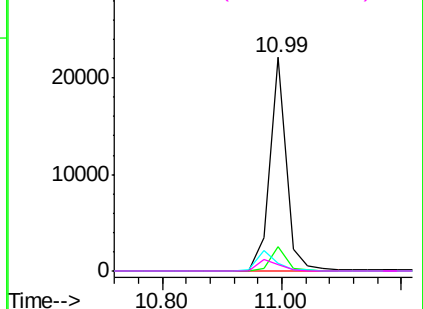


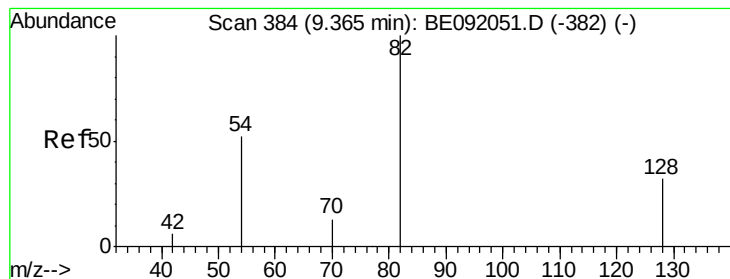
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 0.34 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

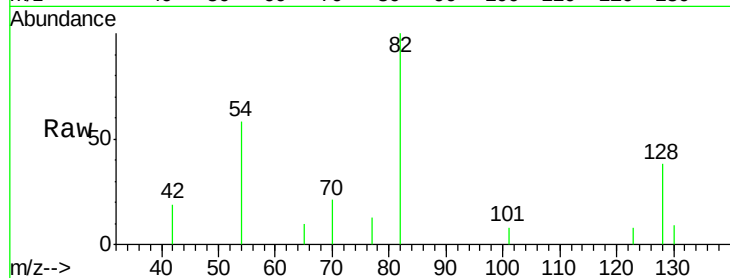
Tgt Ion: 82 Resp: 1182

Ion Ratio Lower Upper

82 100

128 38.5 33.0 49.4

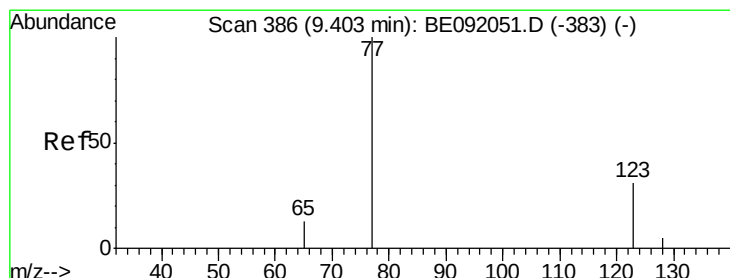
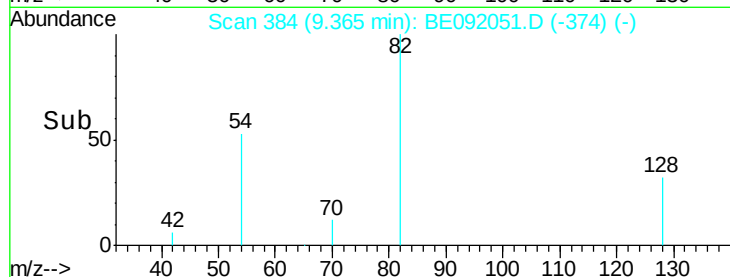
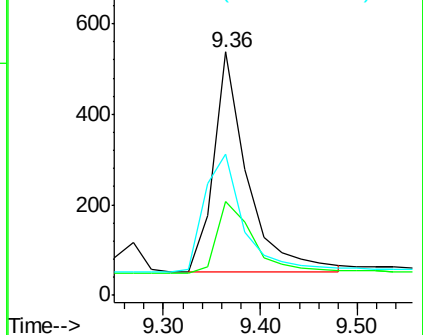
54 58.0 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.40 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

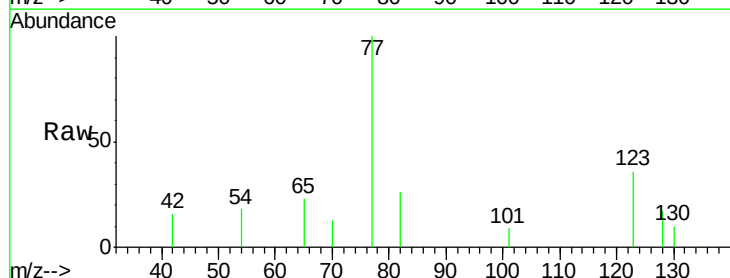
Tgt Ion: 77 Resp: 1093

Ion Ratio Lower Upper

77 100

123 36.4 29.9 44.9

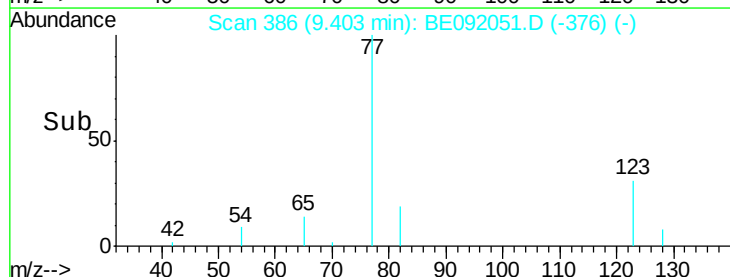
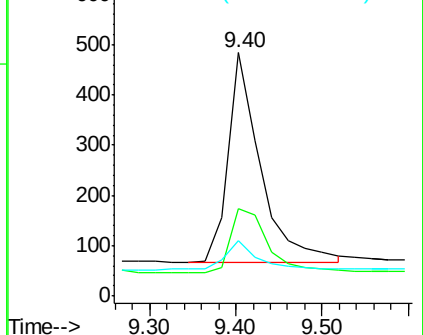
65 13.5 11.4 17.0

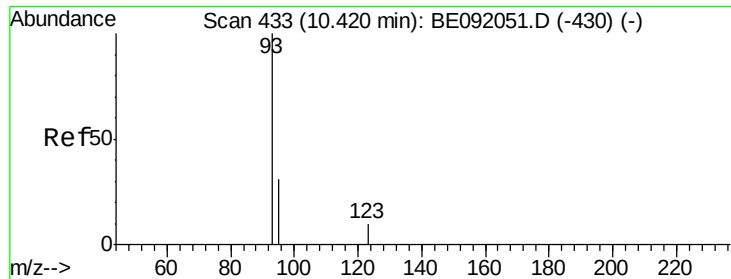


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

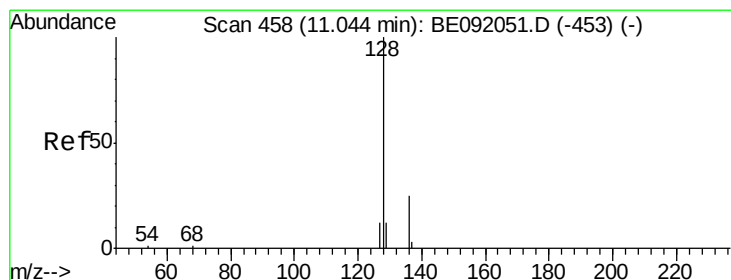
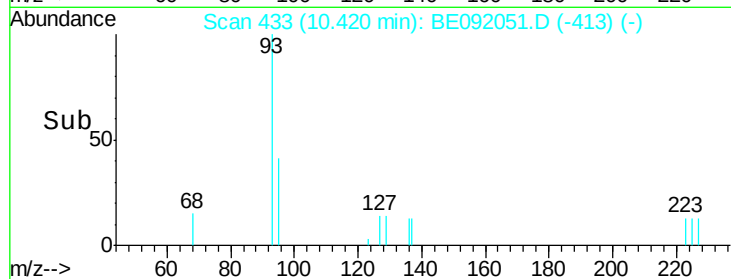
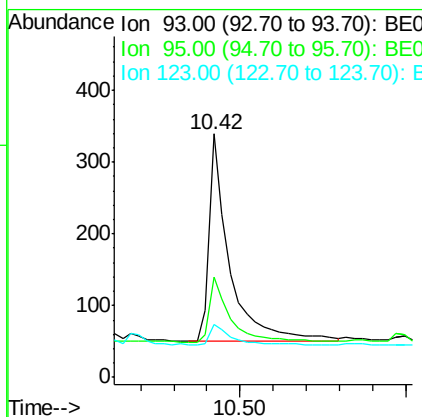
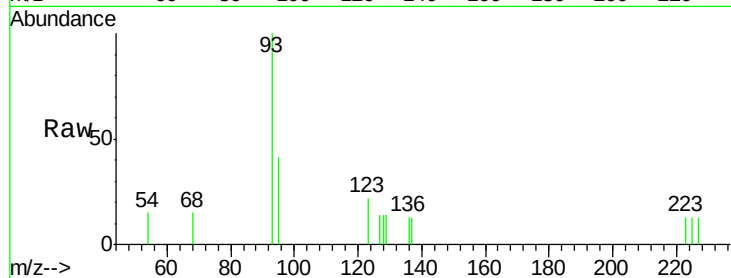




#11
bis(2-Chloroethoxy)methane
Concen: 0.40 ng
RT: 10.42 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

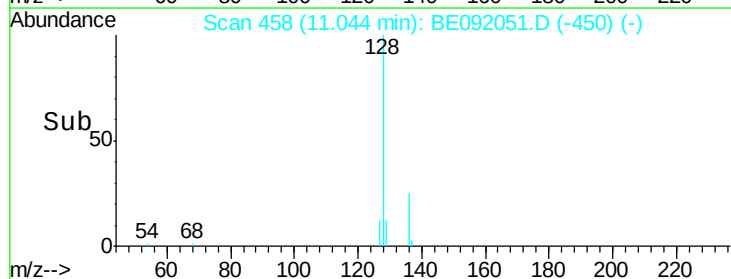
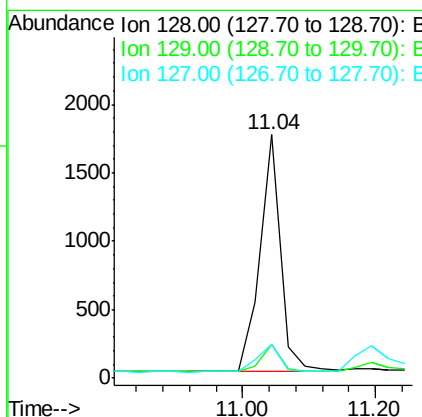
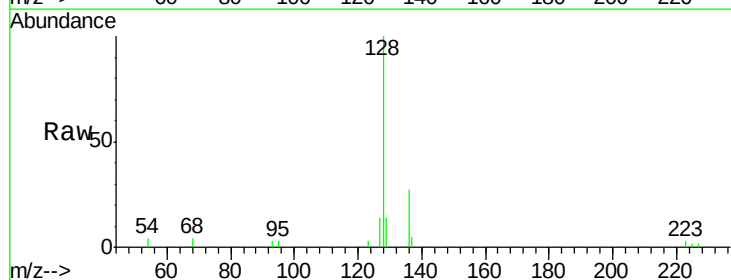
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

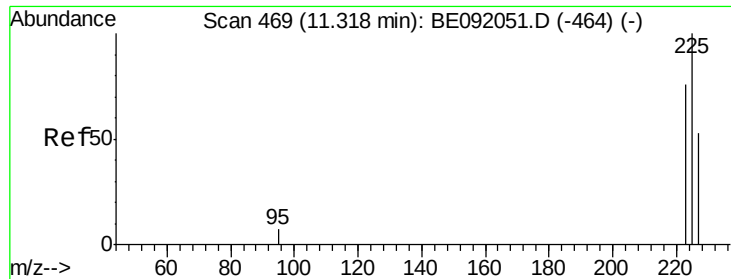
Tgt Ion: 93 Resp: 1238
Ion Ratio Lower Upper
93 100
95 32.3 25.0 37.6
123 9.5 7.8 11.8



#12
Naphthalene
Concen: 0.37 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

Tgt Ion: 128 Resp: 3716
Ion Ratio Lower Upper
128 100
129 14.0 11.1 16.7
127 13.9 11.3 16.9

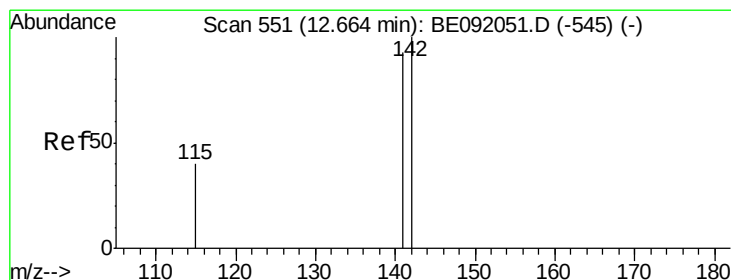
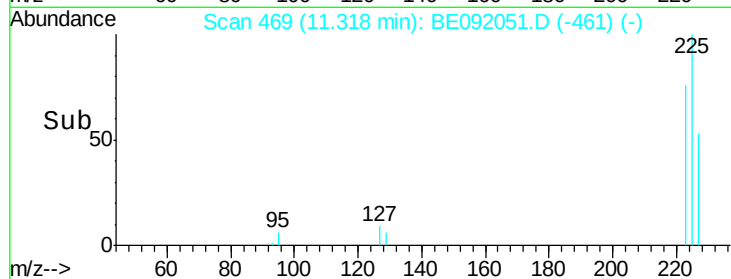
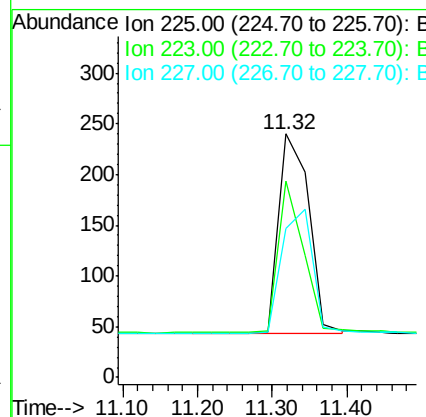
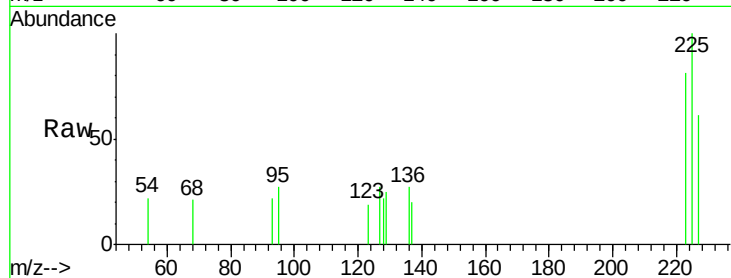




#13
Hexachlorobutadiene
Concen: 0.36 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

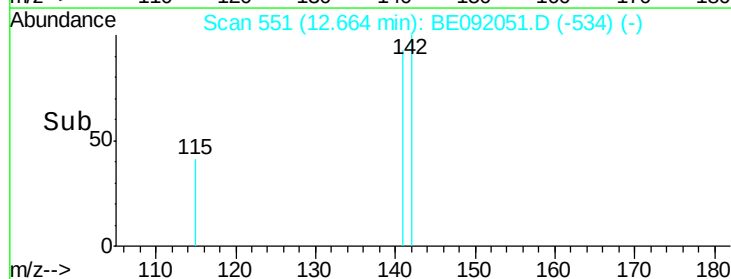
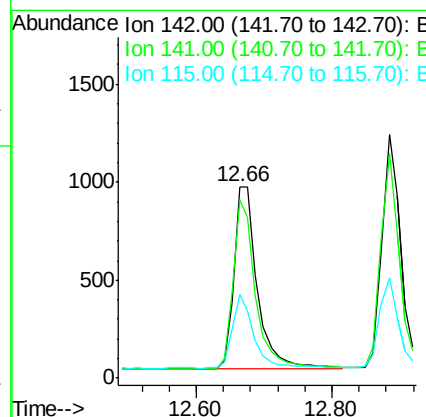
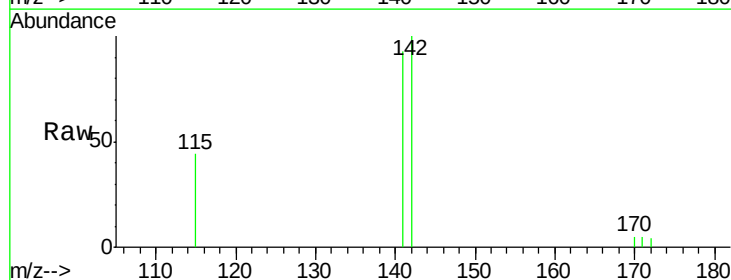
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

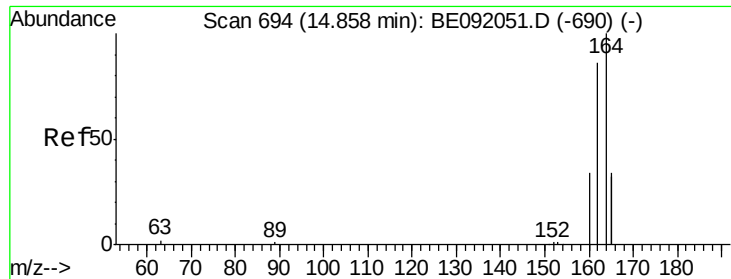
Tgt Ion: 225 Resp: 546
Ion Ratio Lower Upper
225 100
223 63.9 51.9 77.9
227 0.0 0.0 0.0



#14
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.66 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

Tgt Ion: 142 Resp: 2261
Ion Ratio Lower Upper
142 100
141 93.1 65.1 97.7
115 43.7 27.0 40.4#

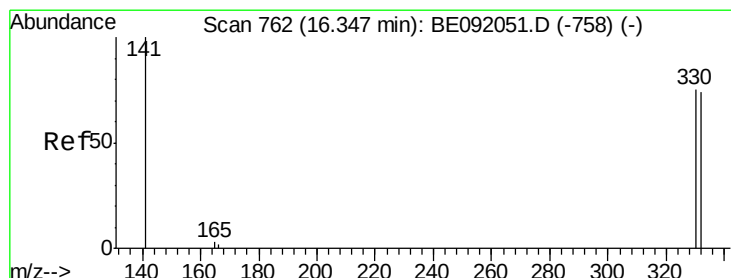
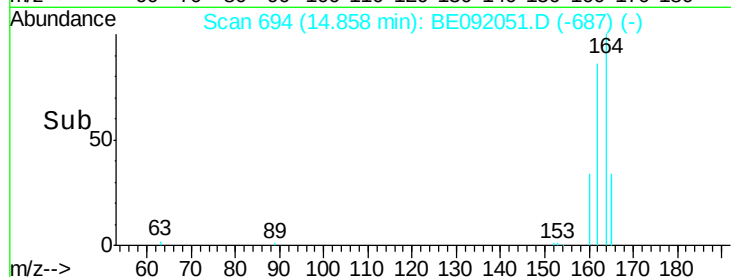
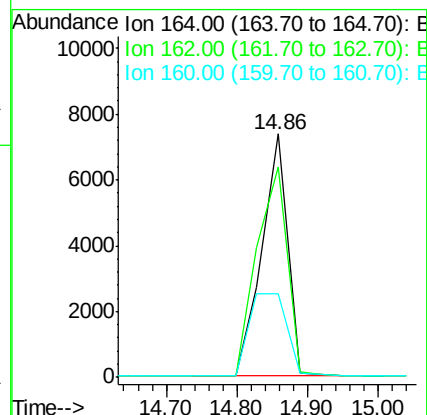
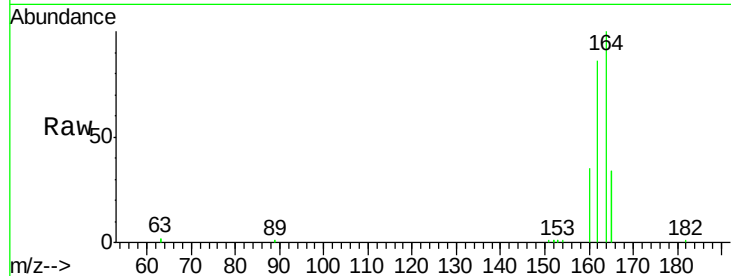




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BE092051.D
 Acq: 27 Jul 2016 11:24

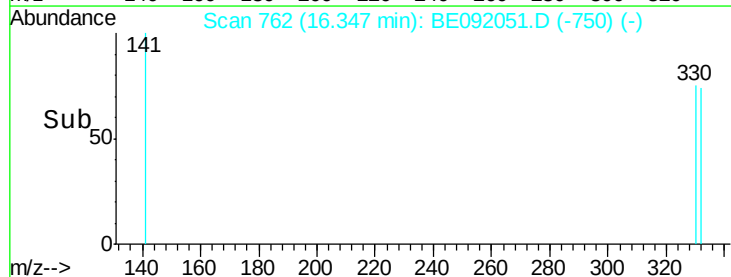
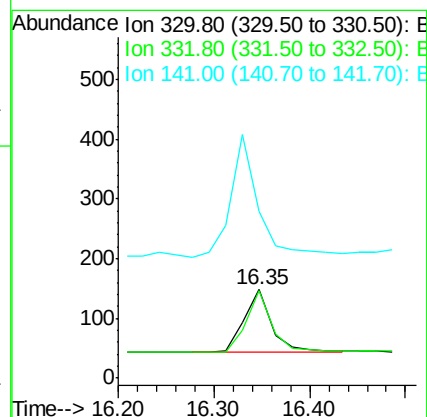
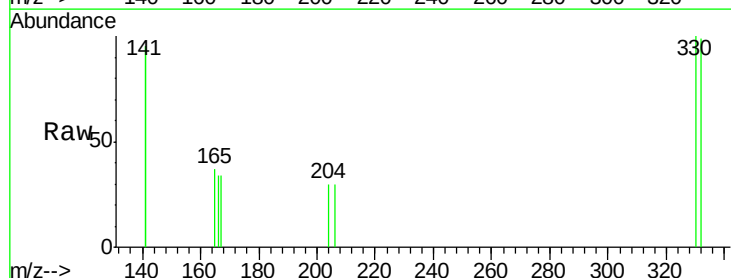
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

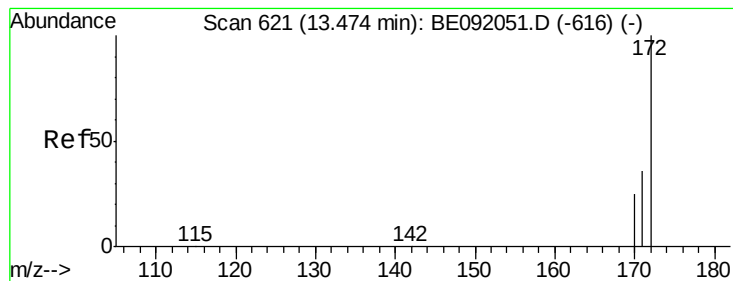
Tgt Ion:164 Resp: 18445
 Ion Ratio Lower Upper
 164 100
 162 86.4 69.5 104.3
 160 34.6 27.6 41.4



#16
 2,4,6-Tribromophenol
 Concen: 0.37 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE092051.D
 Acq: 27 Jul 2016 11:24

Tgt Ion:330 Resp: 213
 Ion Ratio Lower Upper
 330 100
 332 93.0 74.2 111.4
 141 198.1 139.8 209.8

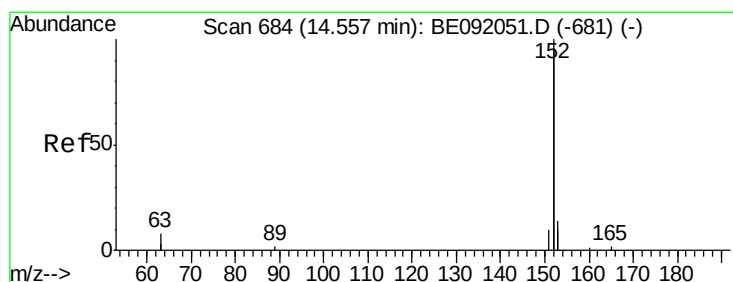
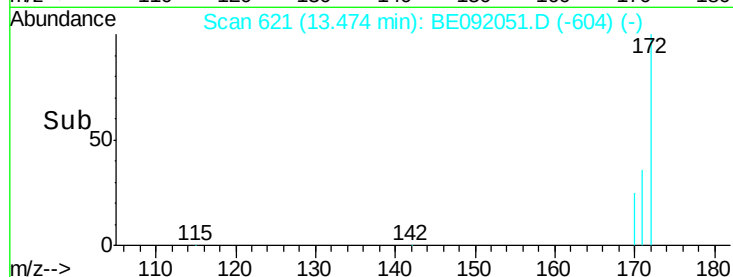
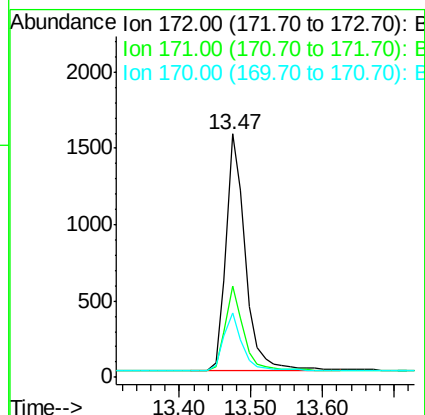
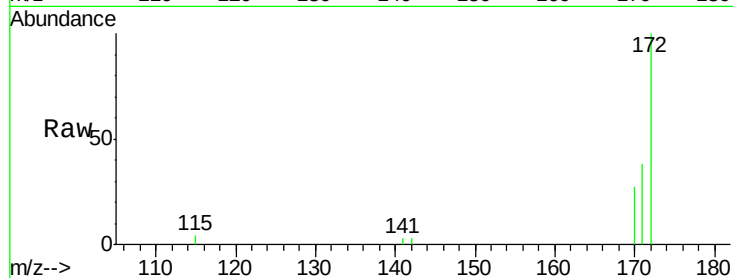




#17
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.47 min Scan# 621
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

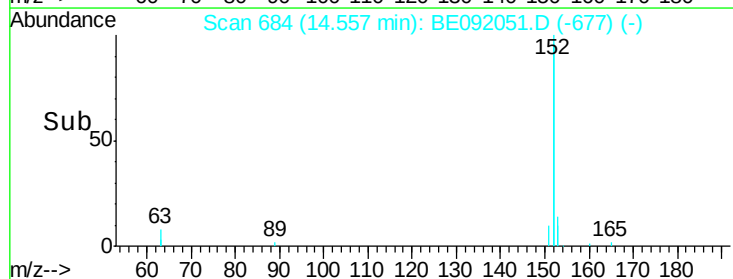
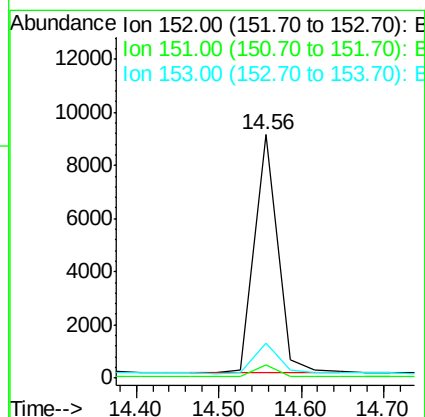
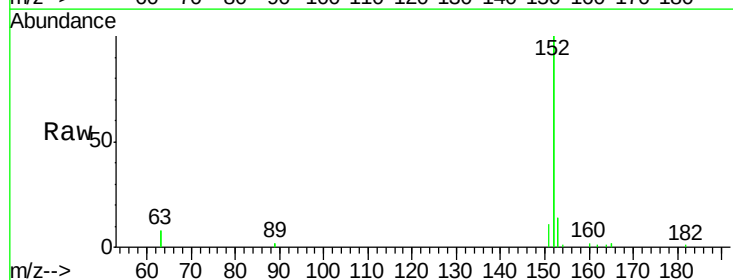
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

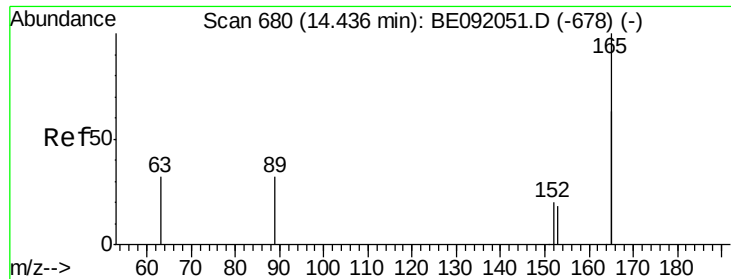
Tgt Ion:172 Resp: 2910
Ion Ratio Lower Upper
172 100
171 37.6 30.3 45.5
170 26.7 21.6 32.4



#18
Acenaphthylene
Concen: 0.39 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

Tgt Ion:152 Resp: 17636
Ion Ratio Lower Upper
152 100
151 4.8 4.0 6.0
153 12.7 9.6 14.4

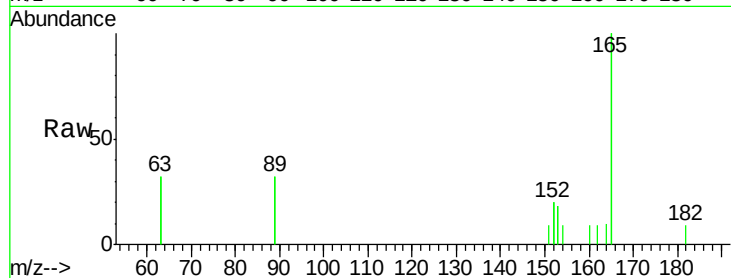




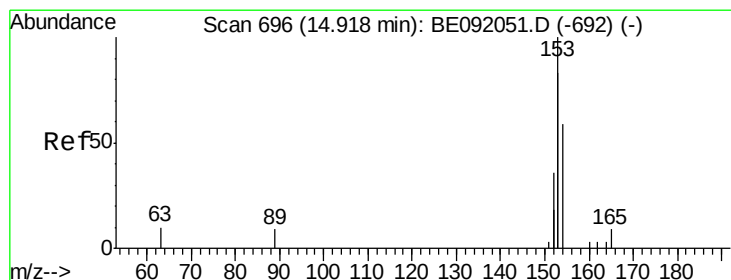
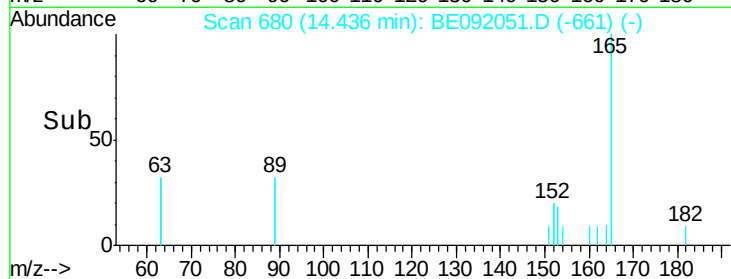
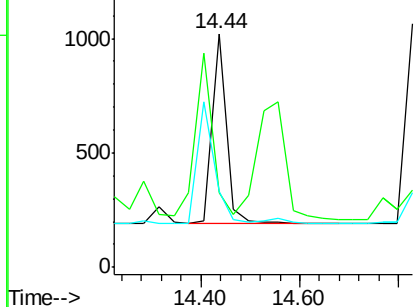
#19
 2,6-Dinitrotoluene
 Concen: 0.39 ng
 RT: 14.44 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BE092051.D
 Acq: 27 Jul 2016 11:24

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion:165 Resp: 1715
 Ion Ratio Lower Upper
 165 100
 63 0.0 0.0 0.0
 89 0.0 0.0 0.0

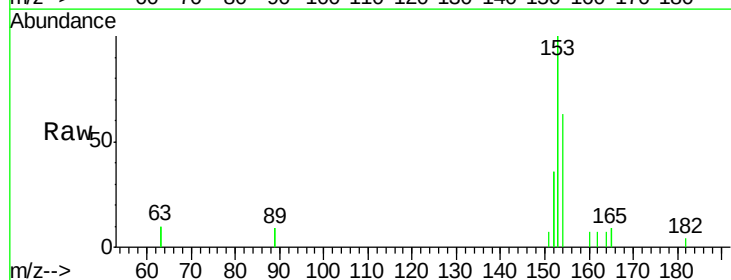


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BE
 Ion 89.00 (88.70 to 89.70): BE

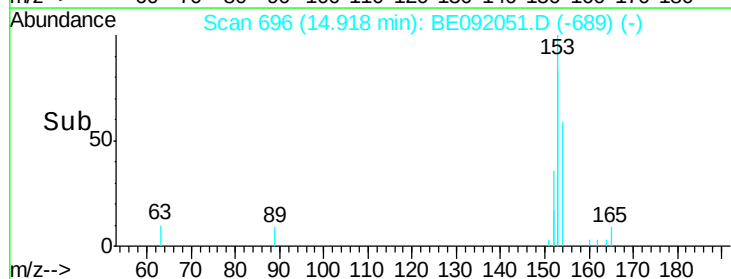
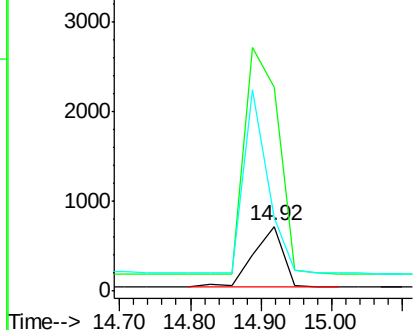


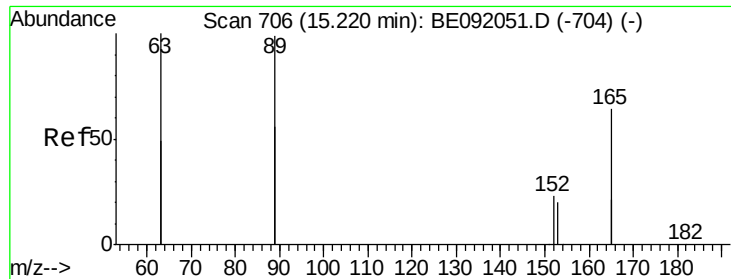
#20
 Acenaphthene
 Concen: 0.36 ng
 RT: 14.92 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: BE092051.D
 Acq: 27 Jul 2016 11:24

Tgt Ion:154 Resp: 1974
 Ion Ratio Lower Upper
 154 100
 153 0.0 345.1 517.7#
 152 0.0 0.0 0.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 1.31 ng

RT: 15.22 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

Tgt Ion:165 Resp: 4883

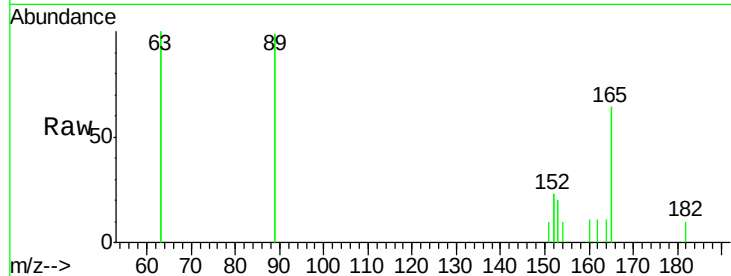
Ion Ratio Lower Upper

165 100

63 132.3 324.0 486.0#

89 124.9 308.4 462.6#

182 0.0 0.0 0.0

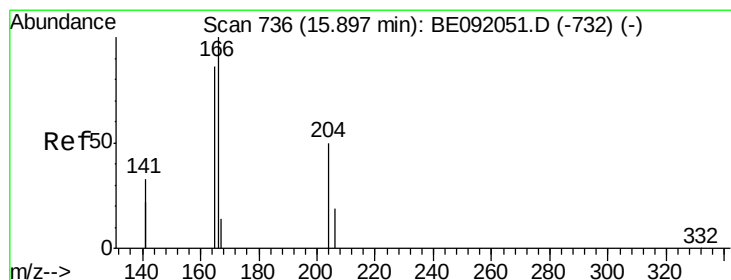
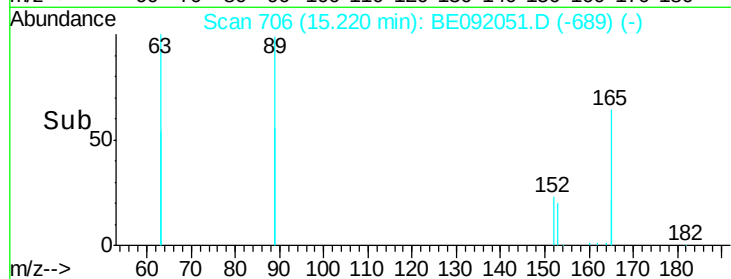
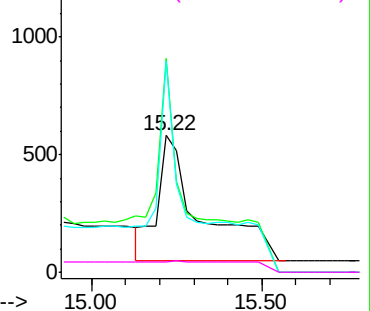


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.38 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

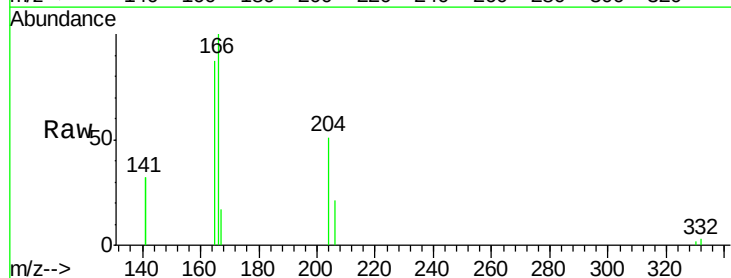
Tgt Ion:166 Resp: 3062

Ion Ratio Lower Upper

166 100

165 97.2 78.6 118.0

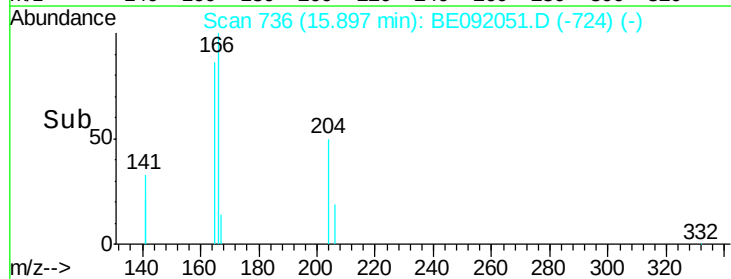
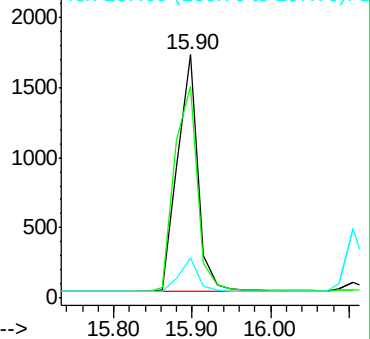
167 13.6 11.1 16.7

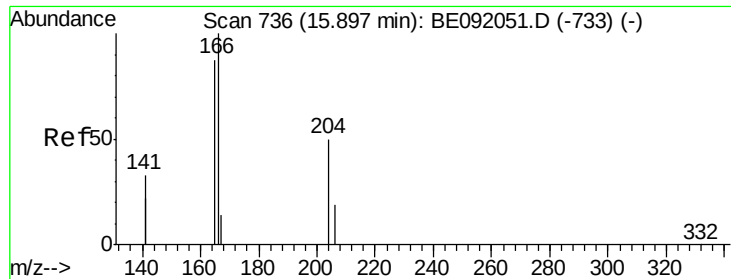


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

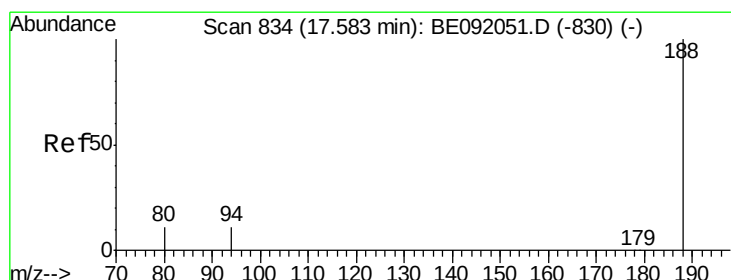
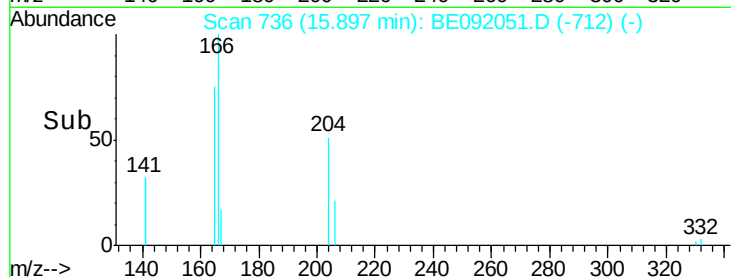
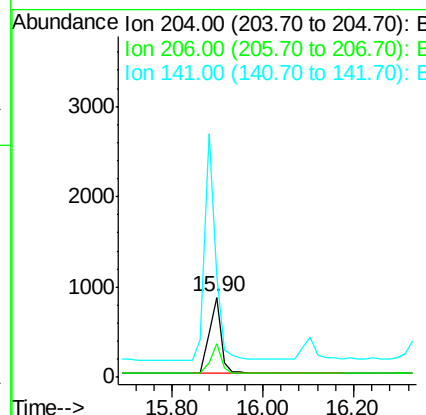
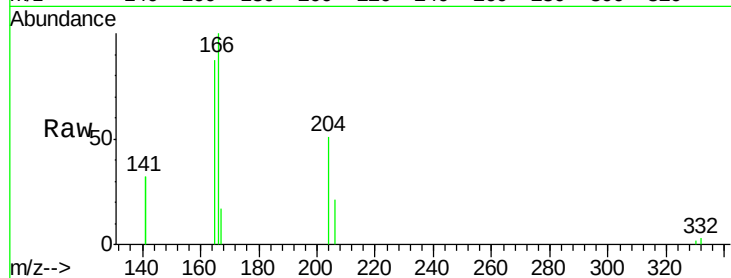




#23
4-Chlorophenyl-phenylether
Concen: 0.37 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

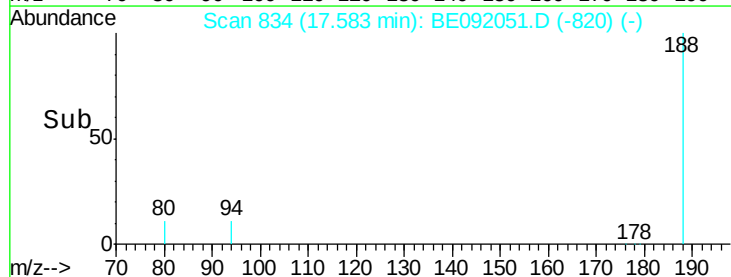
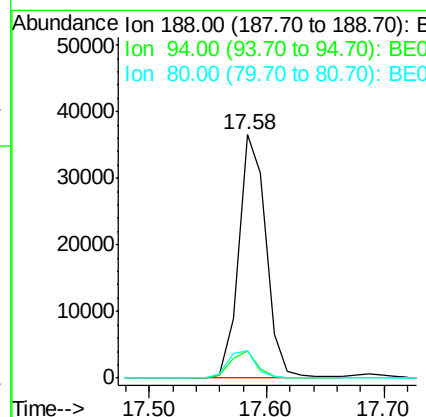
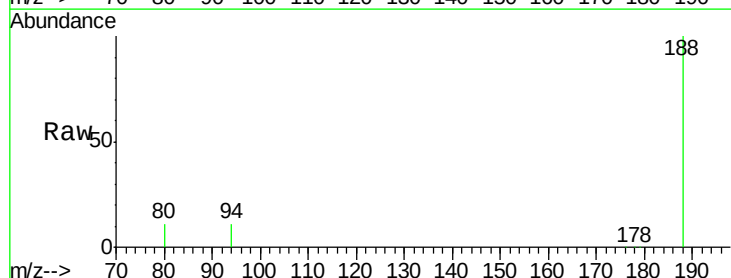
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

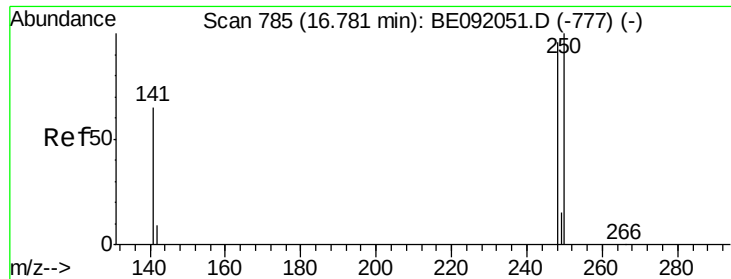
Tgt Ion: 204 Resp: 1545
Ion Ratio Lower Upper
204 100
206 34.1 27.0 40.4
141 264.8 198.5 297.7



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 834
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

Tgt Ion: 188 Resp: 59195
Ion Ratio Lower Upper
188 100
94 11.0 3.9 5.9#
80 11.1 3.4 5.0#

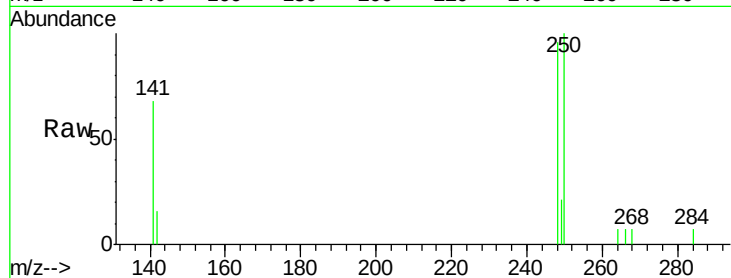




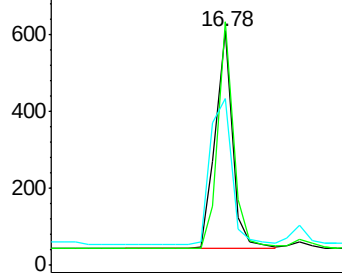
#25
4-Bromophenyl-phenylether
Concen: 0.37 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

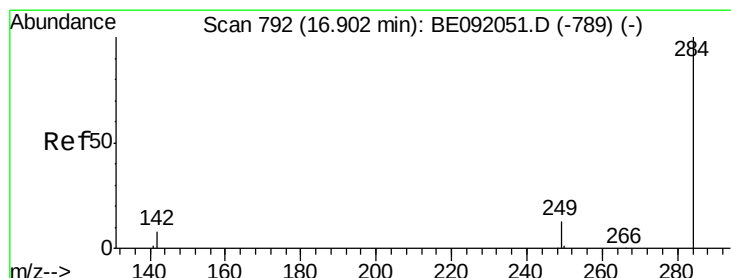
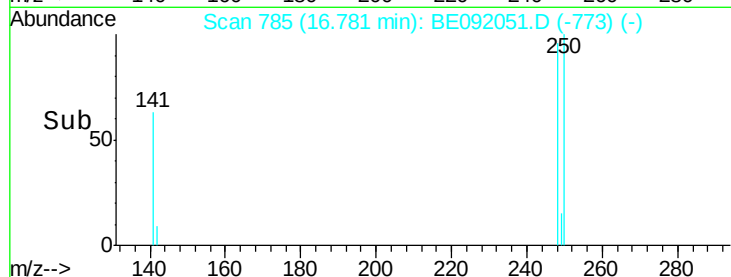
Tgt Ion:248 Resp: 945
Ion Ratio Lower Upper
248 100
250 94.6 79.6 119.4
141 84.8 68.7 103.1



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

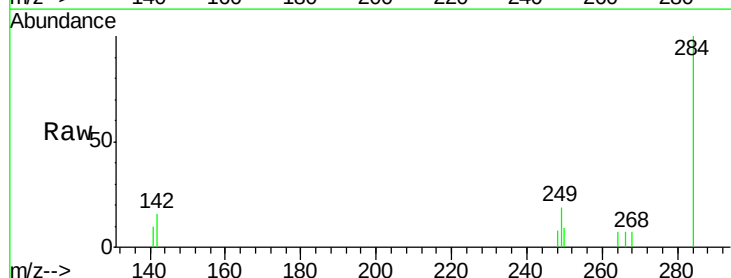


Time-->

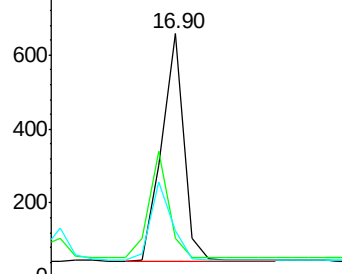


#26
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.90 min Scan# 792
Delta R.T. 0.00 min
Lab File: BE092051.D
Acq: 27 Jul 2016 11:24

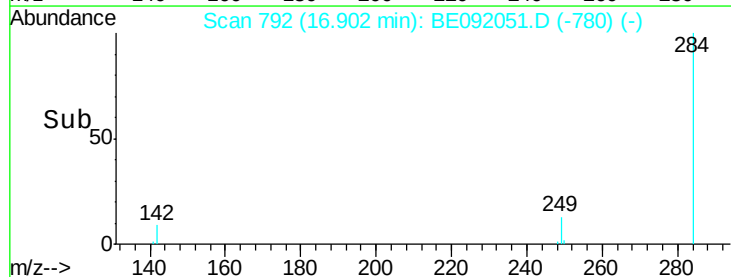
Tgt Ion:284 Resp: 985
Ion Ratio Lower Upper
284 100
142 42.0 33.3 49.9
249 33.3 25.4 38.0

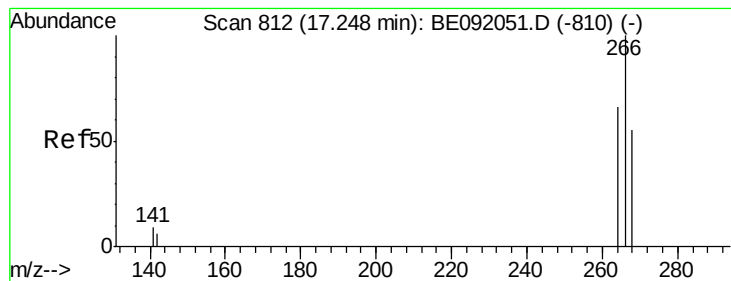


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->





#27

Pentachlorophenol

Concen: 0.38 ng

RT: 17.25 min Scan# 812

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

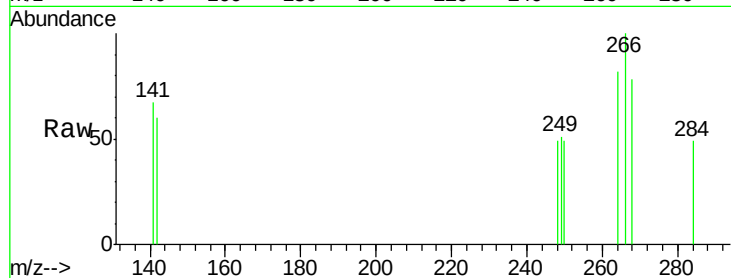
Tgt Ion:266 Resp: 152

Ion Ratio Lower Upper

266 100

268 78.0 62.7 94.1

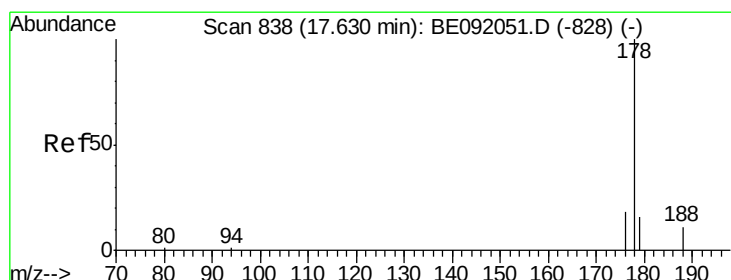
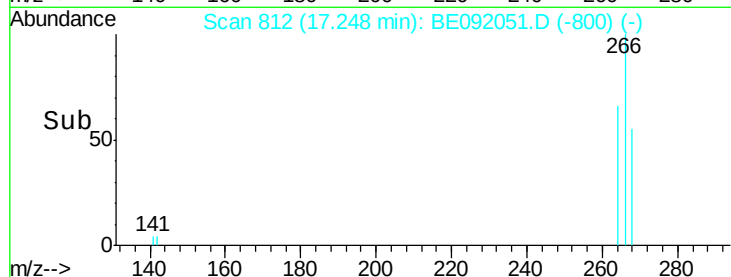
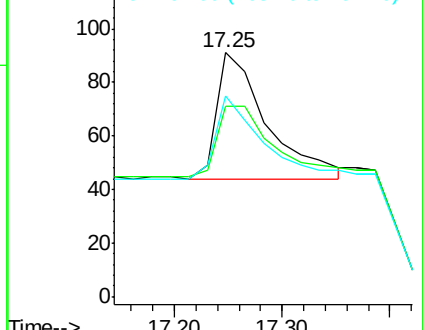
264 82.4 63.5 95.3



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 0.36 ng

RT: 17.63 min Scan# 838

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

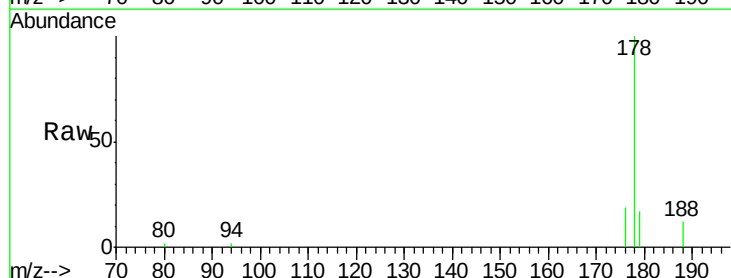
Tgt Ion:178 Resp: 5814

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

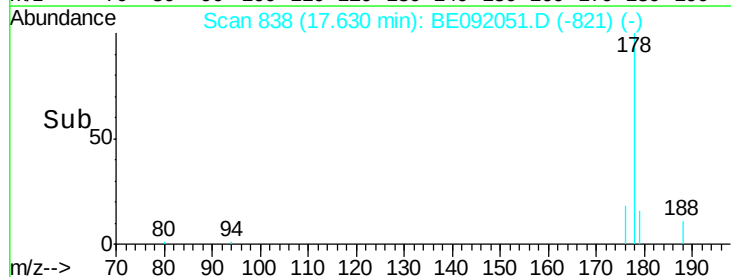
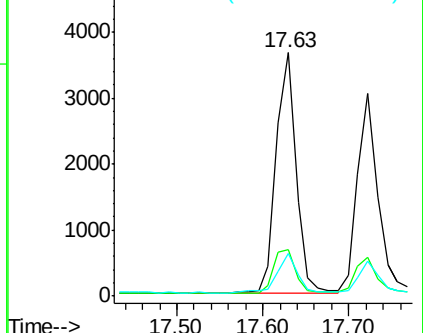
179 16.0 12.7 19.1

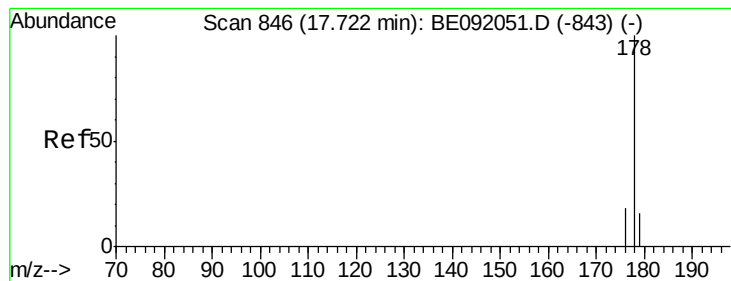


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.37 ng

RT: 17.72 min Scan# 846

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

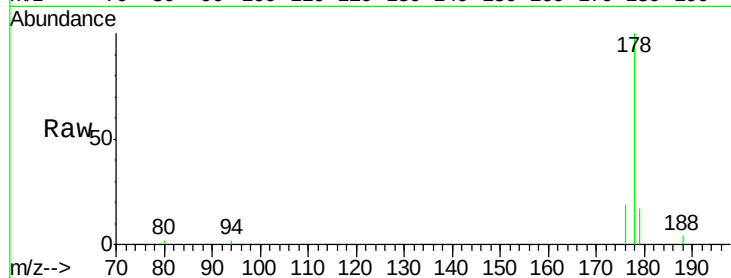
Tgt Ion:178 Resp: 5066

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

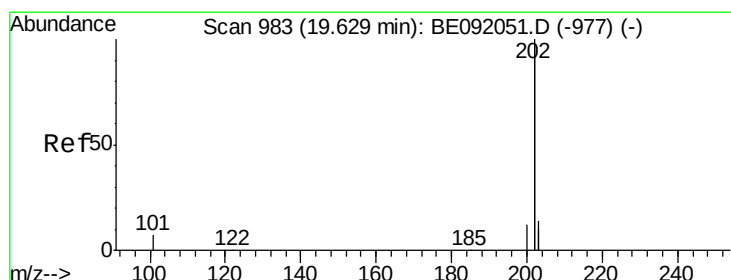
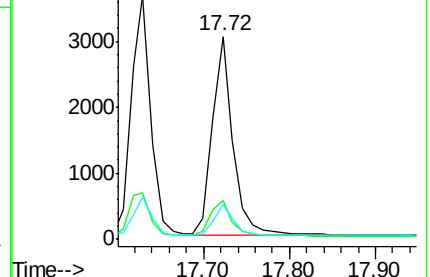
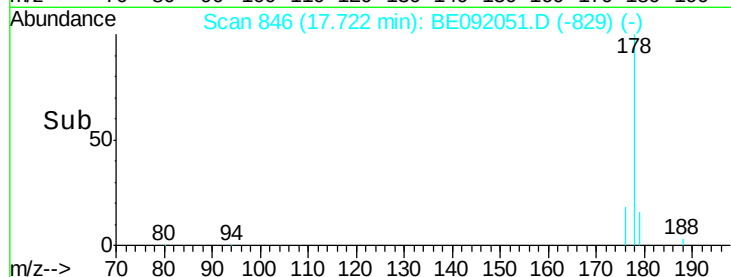
179 15.2 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.34 ng

RT: 19.63 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

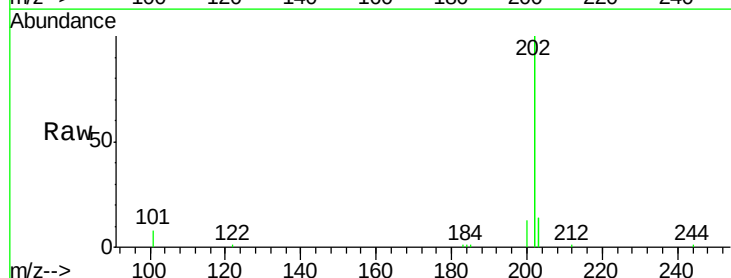
Tgt Ion:202 Resp: 23400

Ion Ratio Lower Upper

202 100

101 3.0 2.2 3.2

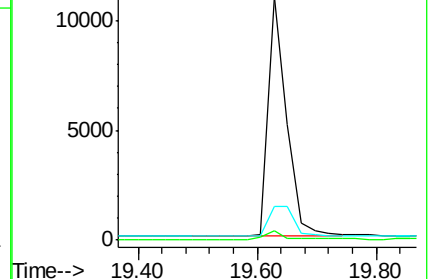
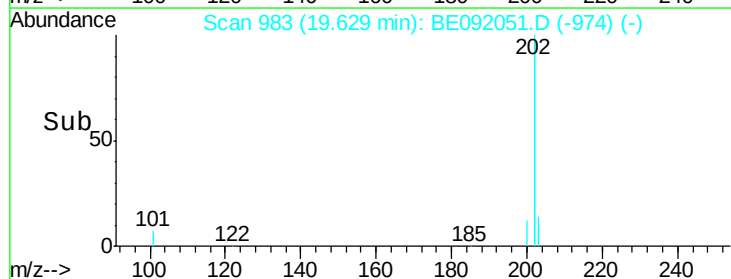
203 0.0 13.0 19.4#

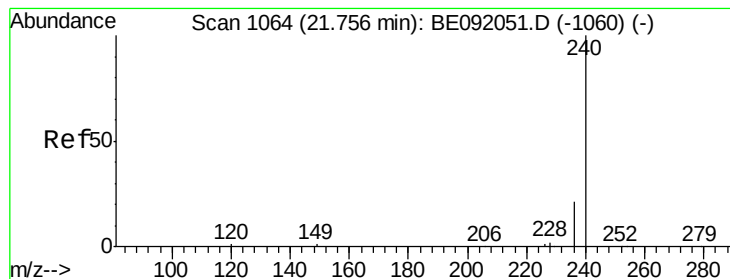


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

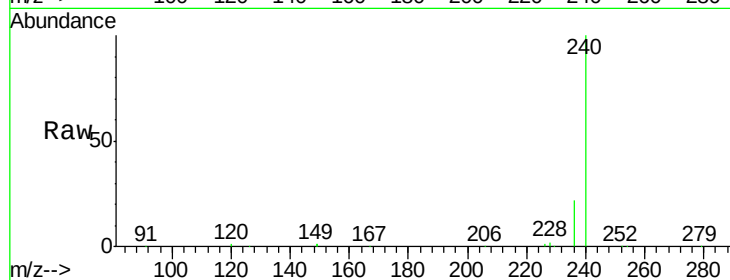
Tgt Ion:240 Resp: 59346

Ion Ratio Lower Upper

240 100

120 0.9 0.6 1.0

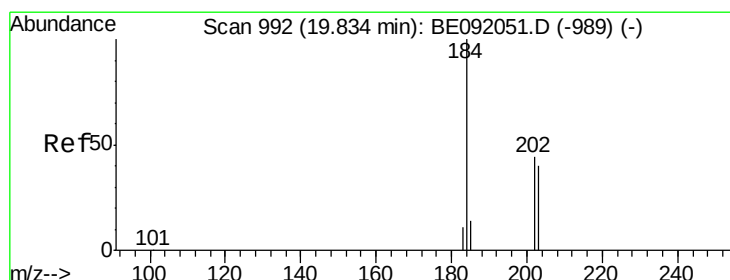
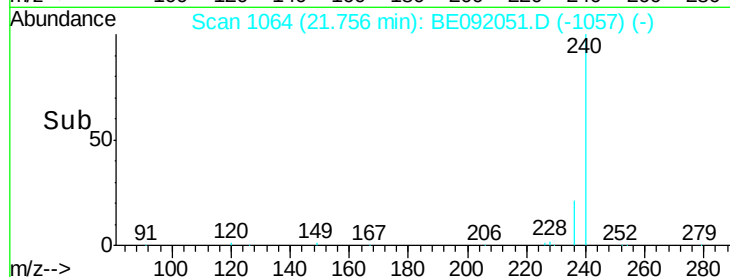
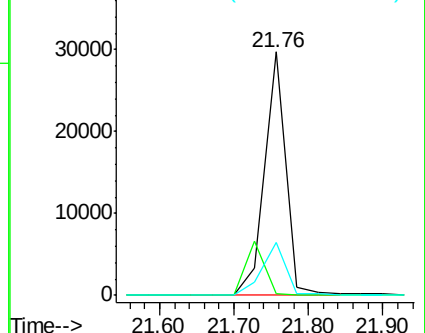
236 21.6 18.2 27.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 0.42 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

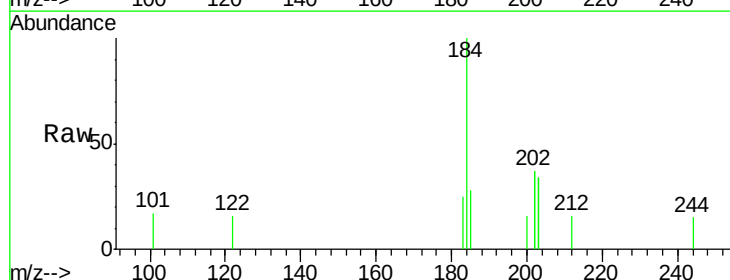
Tgt Ion:184 Resp: 837

Ion Ratio Lower Upper

184 100

185 27.9 23.8 35.6

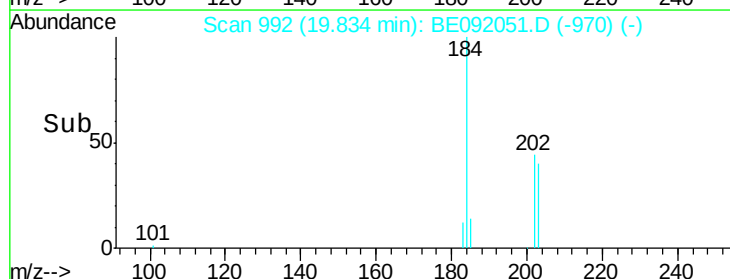
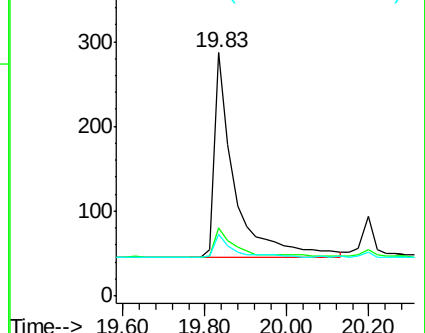
183 25.4 20.7 31.1

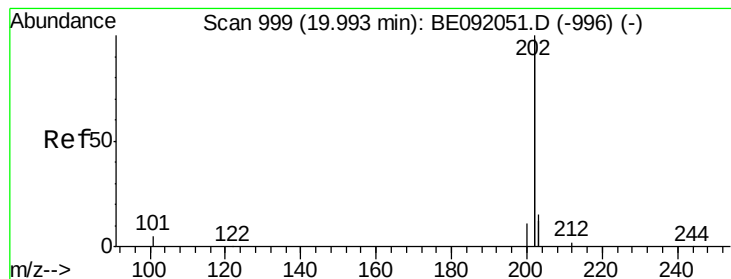


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.39 ng

RT: 19.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

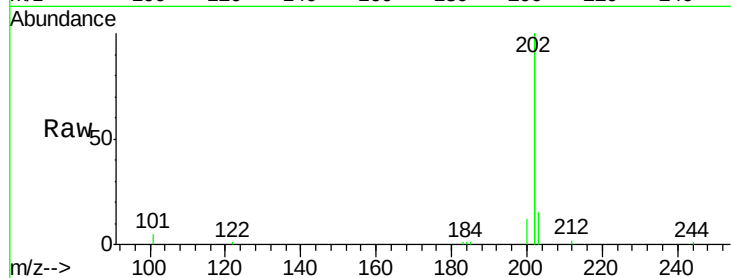
Tgt Ion:202 Resp: 27918

Ion Ratio Lower Upper

202 100

200 5.3 4.4 6.6

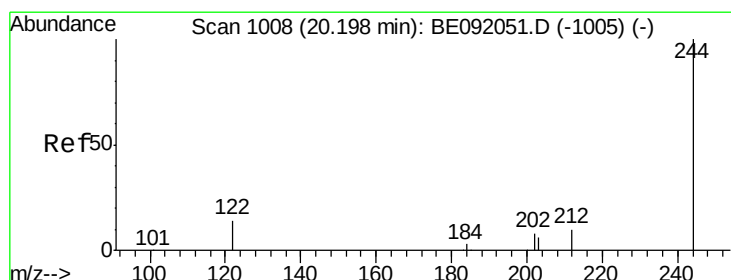
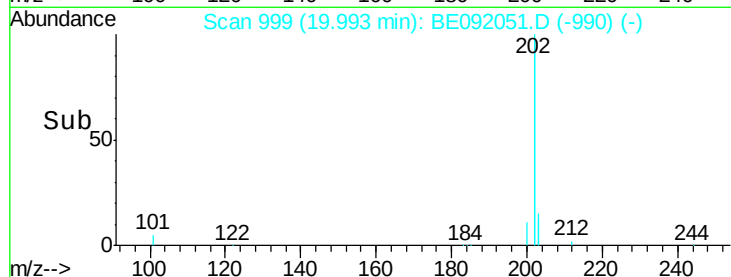
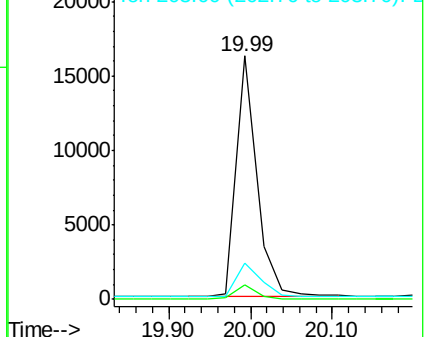
203 16.3 13.4 20.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.32 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

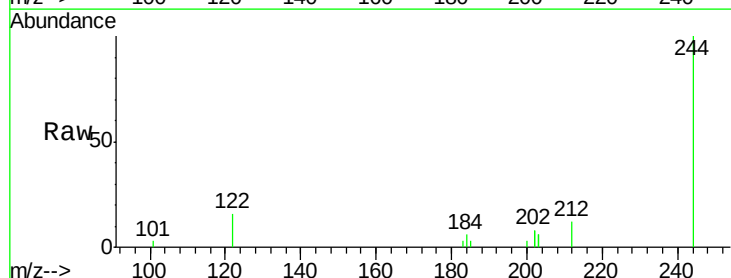
Tgt Ion:244 Resp: 3921

Ion Ratio Lower Upper

244 100

212 12.4 9.1 13.7

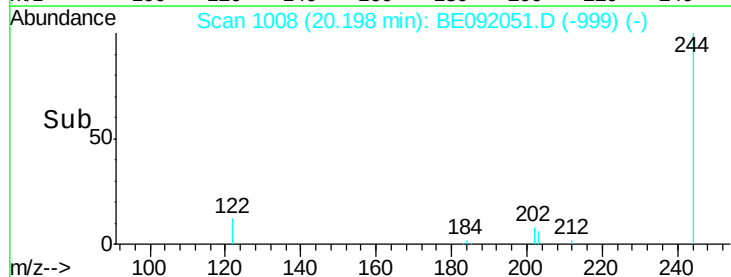
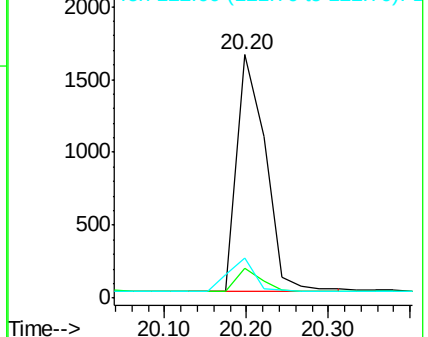
122 16.3 11.0 16.4

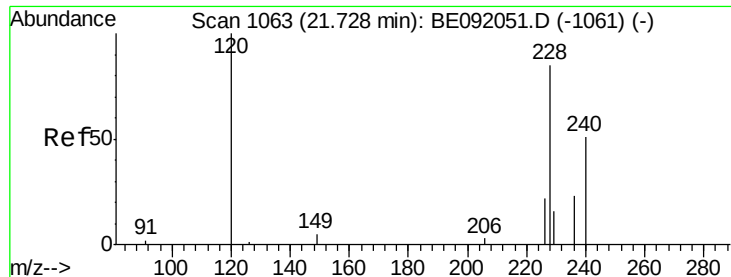


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.55 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

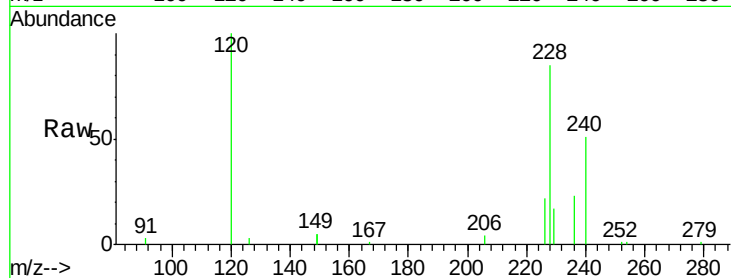
Tgt Ion:228 Resp: 20196

Ion Ratio Lower Upper

228 100

226 26.3 22.1 33.1

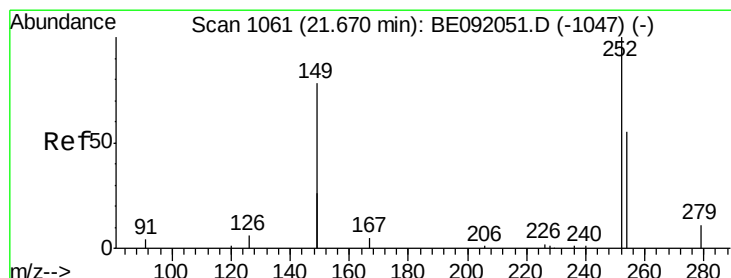
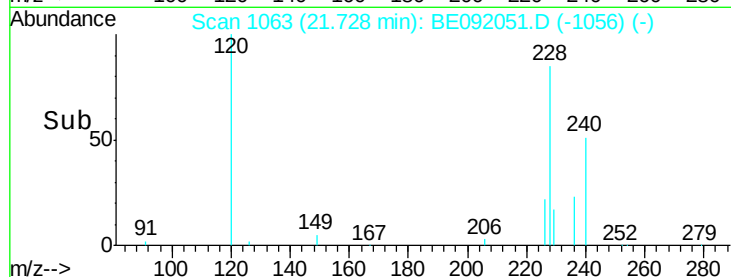
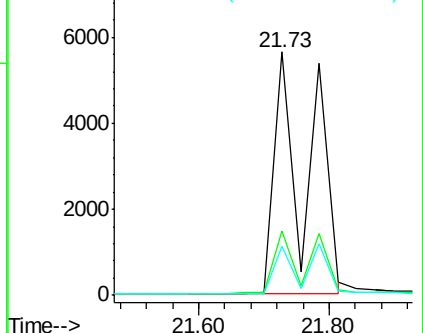
229 20.1 15.1 22.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.46 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

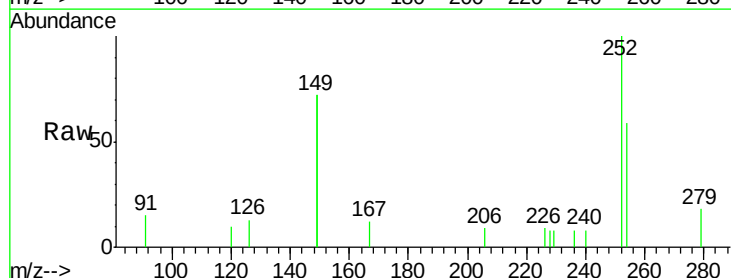
Tgt Ion:252 Resp: 1457

Ion Ratio Lower Upper

252 100

254 58.6 44.2 66.2

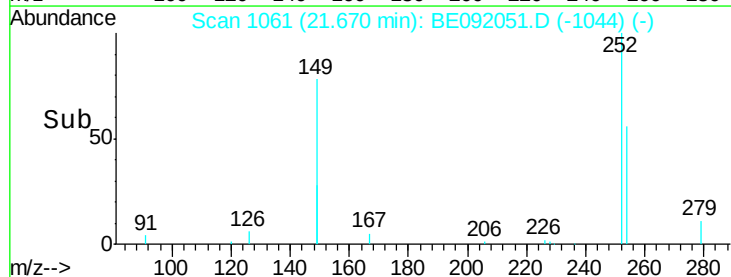
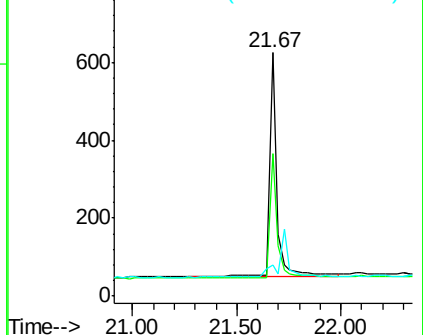
126 13.0 10.6 15.8

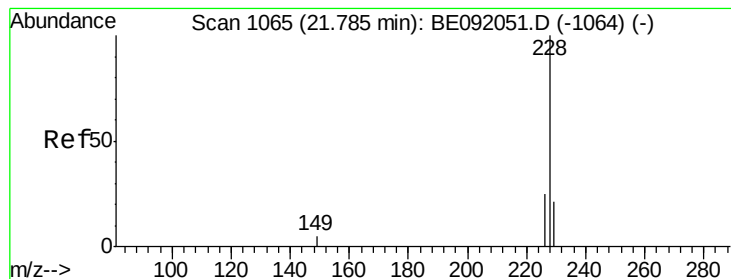


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.50 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

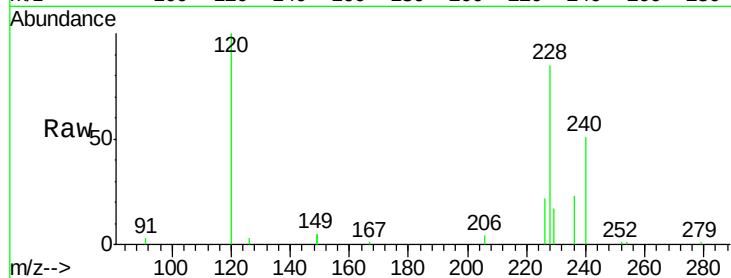
Tgt Ion:228 Resp: 20478

Ion Ratio Lower Upper

228 100

226 26.3 22.3 33.5

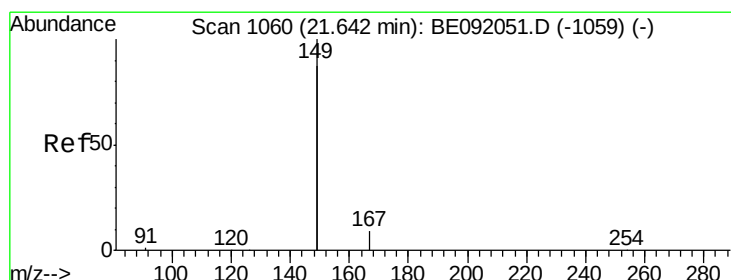
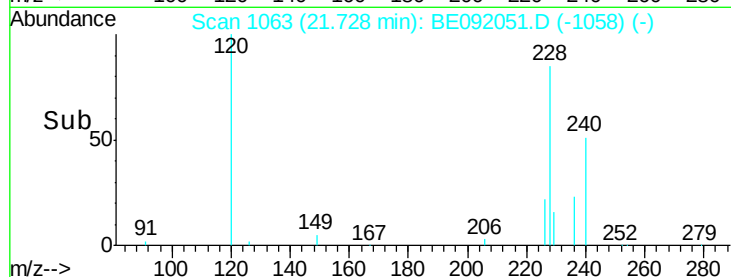
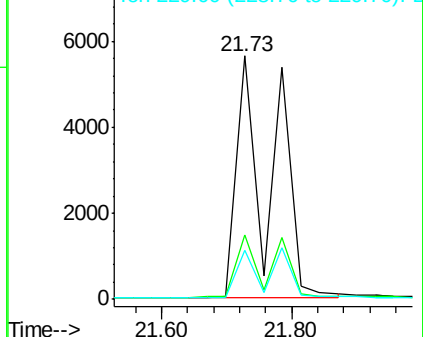
229 20.1 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

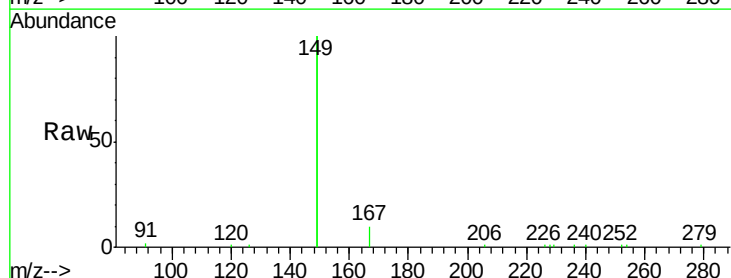
Tgt Ion:149 Resp: 19276

Ion Ratio Lower Upper

149 100

167 5.0 3.8 5.6

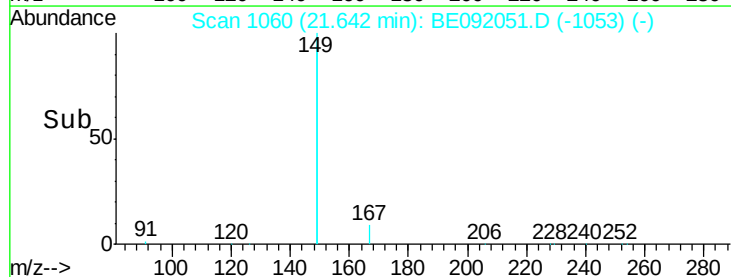
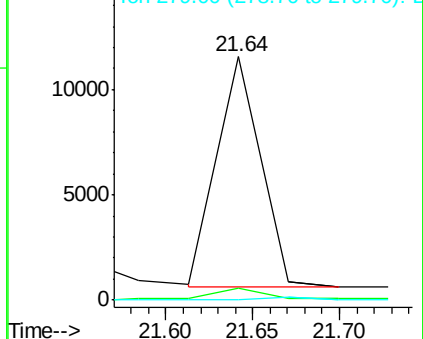
279 0.0 0.0 0.0

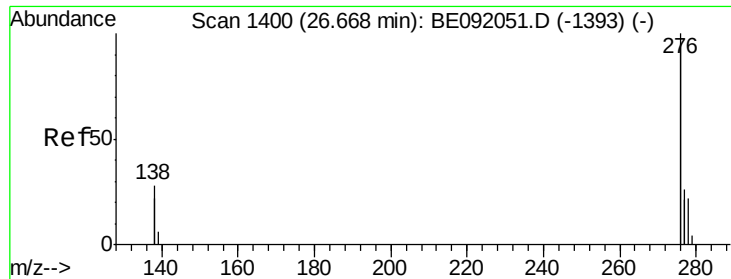


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng

RT: 26.67 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

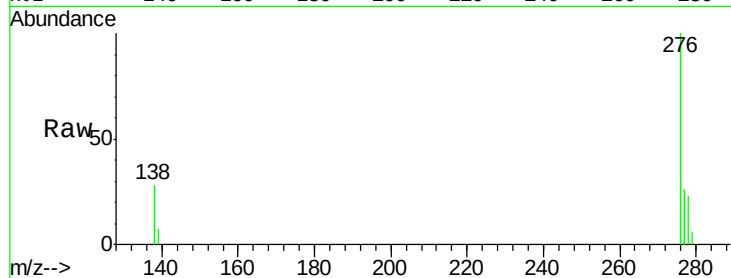
Tgt Ion:276 Resp: 25890

Ion Ratio Lower Upper

276 100

138 26.9 21.2 31.8

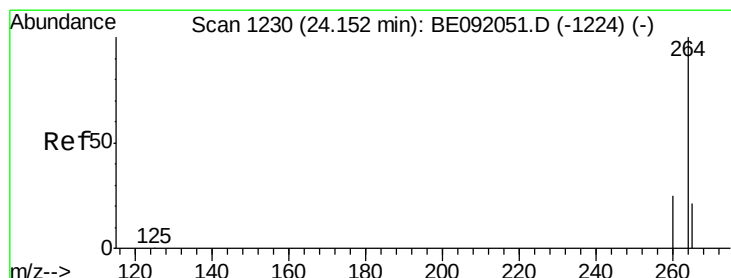
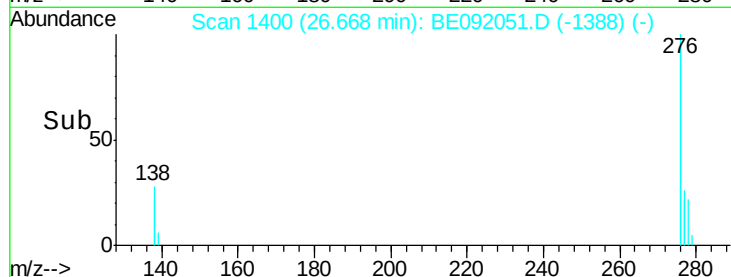
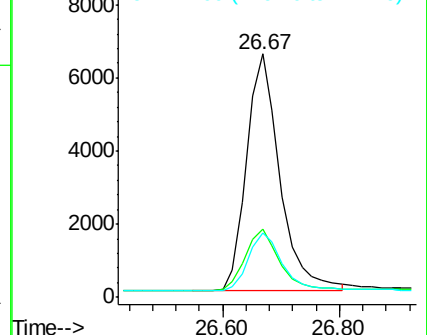
277 24.6 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

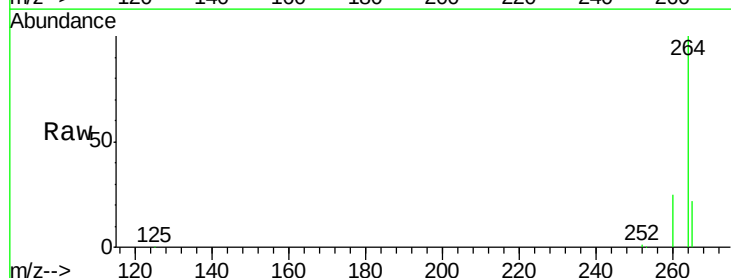
Tgt Ion:264 Resp: 63468

Ion Ratio Lower Upper

264 100

260 25.4 20.8 31.2

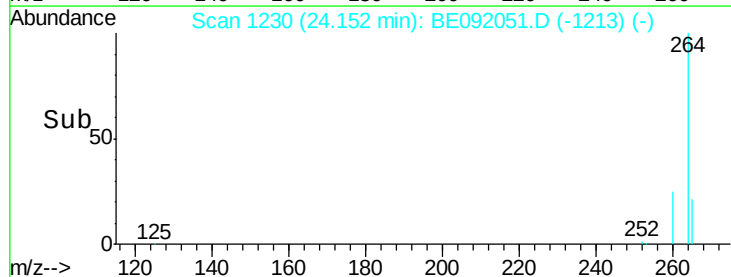
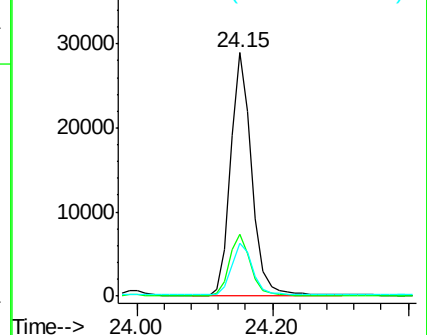
265 21.5 16.6 25.0

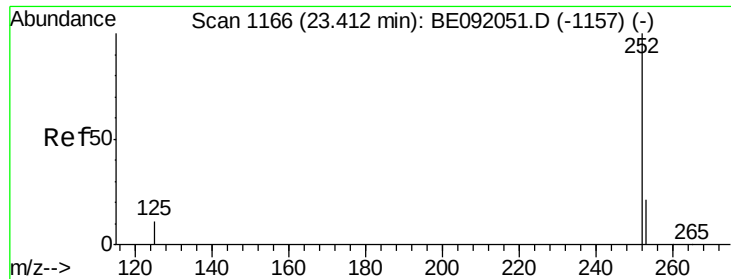


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.24 ng

RT: 23.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

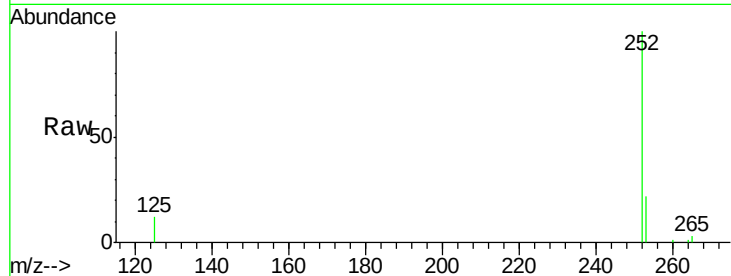
Tgt Ion:252 Resp: 7372

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

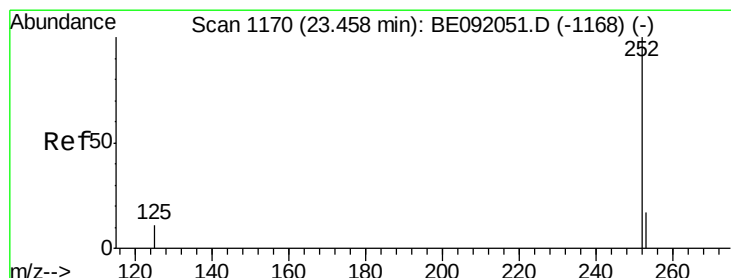
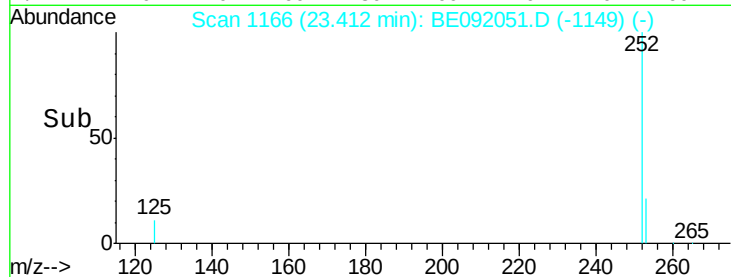
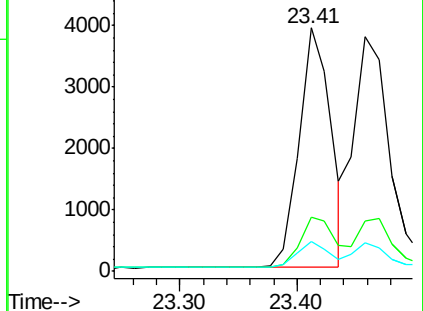
125 12.2 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 0.28 ng

RT: 23.46 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

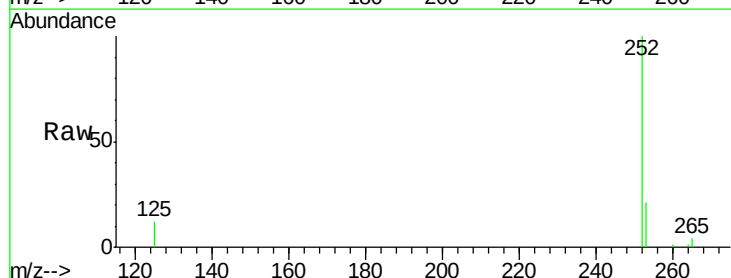
Tgt Ion:252 Resp: 8048

Ion Ratio Lower Upper

252 100

253 21.5 19.4 29.0

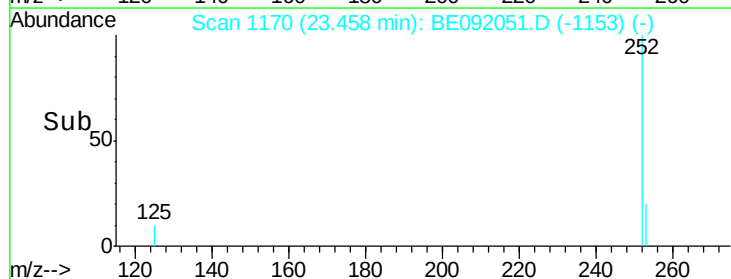
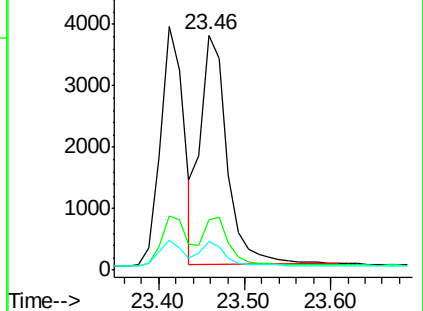
125 12.1 8.9 13.3

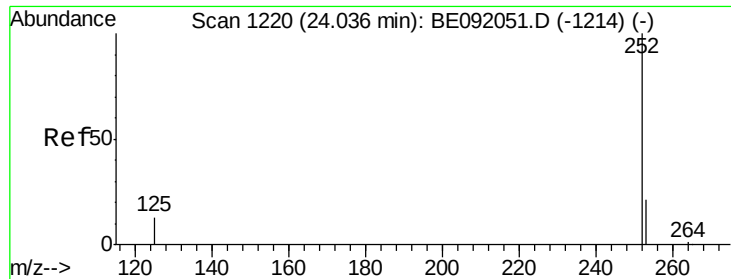


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.31 ng

RT: 24.04 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

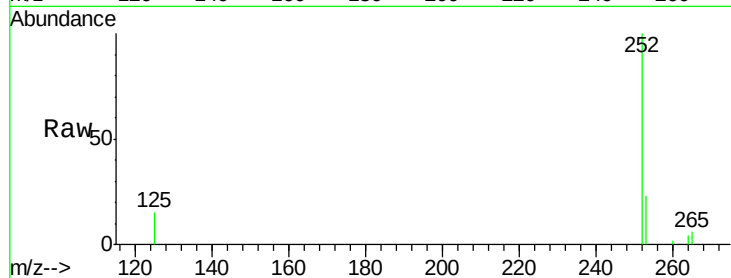
Tgt Ion: 252 Resp: 6258

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

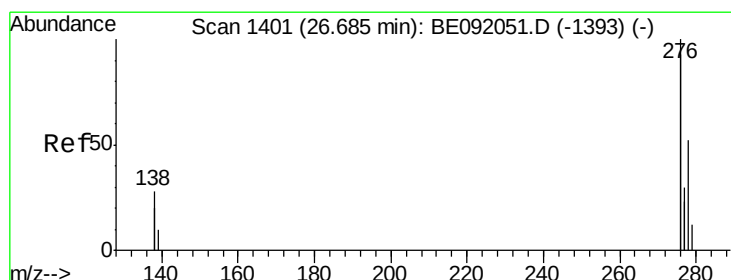
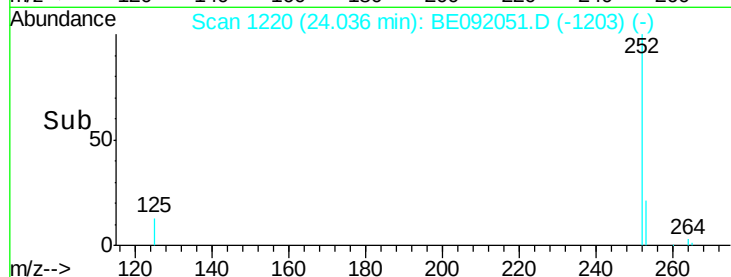
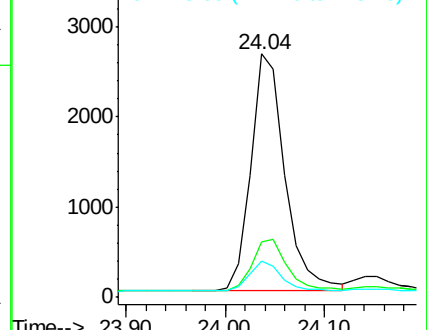
125 14.8 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.38 ng

RT: 26.68 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BE092051.D

Acq: 27 Jul 2016 11:24

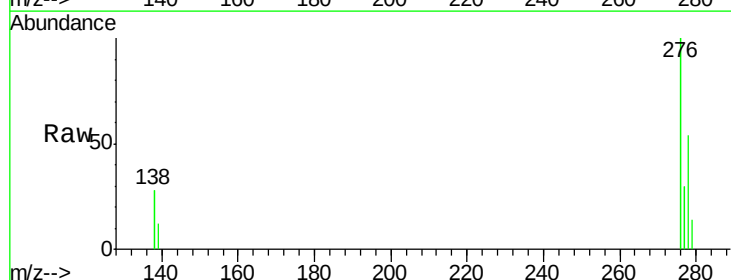
Tgt Ion: 278 Resp: 5188

Ion Ratio Lower Upper

278 100

139 22.2 16.7 25.1

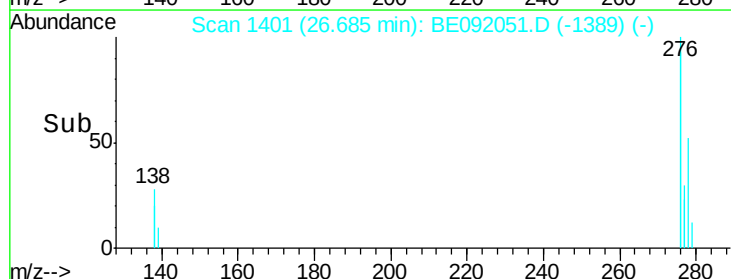
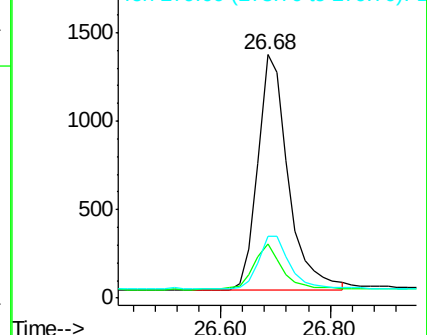
279 25.5 20.3 30.5

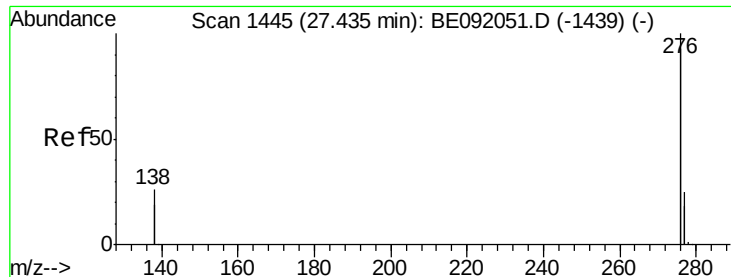


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.37 ng

RT: 27.43 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BE092051.D

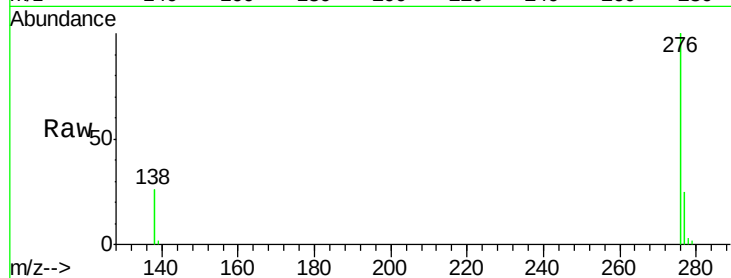
Acq: 27 Jul 2016 11:24

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4



Tgt Ion: 276 Resp: 21863

Ion Ratio Lower Upper

276 100

277 24.6 19.5 29.3

138 26.2 20.8 31.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

