

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052516\
 Data File : BE091874.D
 Acq On : 26 May 2016 00:52
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: May 26 01:39:24 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 19:42:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	30082	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	153672	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	95198	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	263237	5.00	ng	0.00
31) Chrysene-d12	21.29	240	268803	5.00	ng	0.00
40) Perylene-d12	23.71	264	238154	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2978	0.35	ng	0.00
5) Phenol-d6	6.95	99	4390	0.39	ng	0.00
9) Nitrobenzene-d5	8.94	82	4596	0.37	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	1340	0.32	ng	0.00
17) 2-Fluorobiphenyl	13.01	172	10906	0.39	ng	-0.02
34) Terphenyl-d14	19.74	244	16971	0.42	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.31	88	1371	0.37	ng	95
3) n-Nitrosodimethylamine	3.63	42	1845	0.33	ng	# 98
6) bis(2-Chloroethyl)ether	7.20	93	3522	0.37	ng	99
7) n-Nitroso-di-n-propylamine	8.57	70	3213	0.37	ng	# 94
10) Nitrobenzene	8.96	77	4425	0.37	ng	# 100
11) bis(2-Chloroethoxy)methane	9.98	93	6104	0.42	ng	# 60
12) Naphthalene	10.61	128	12918	0.39	ng	99
13) Hexachlorobutadiene	10.90	225	1960	0.38	ng	99
14) 2-Methylnaphthalene	12.22	142	8551	0.39	ng	94
18) Acenaphthylene	14.10	152	17479	0.39	ng	97
19) 2,6-Dinitrotoluene	13.96	165	1993	0.31	ng	97
20) Acenaphthene	14.44	154	9659	0.39	ng	99
21) 2,4-Dinitrotoluene	14.76	165	2099	0.43	ng	# 99
22) Fluorene	15.44	166	12282	0.37	ng	99
23) 4-Chlorophenyl-phenylether	15.44	204	5988	0.33	ng	99
25) 4-Bromophenyl-phenylether	16.31	248	3696	0.39	ng	97
26) Hexachlorobenzene	16.44	284	3675	0.41	ng	98
27) Pentachlorophenol	16.78	266	1303	0.38	ng	88
28) Phenanthrene	17.17	178	21536	0.37	ng	100
29) Anthracene	17.26	178	20257	0.39	ng	99
30) Fluoranthene	19.17	202	23088	0.33	ng	100
32) Benzidine	19.36	184	9429	0.49	ng	98
33) Pyrene	19.53	202	25167	0.44	ng	99
35) Benzo(a)anthracene	21.27	228	55537	0.78	ng	99
36) 3,3'-Dichlorobenzidine	21.22	252	16138	0.41	ng	# 99
37) Chrysene	21.27	228	55685	0.91	ng	# 89
38) Bis(2-ethylhexyl)phthalate	21.17	149	19566	0.75	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.26	276	26842	0.40	ng	99
41) Benzo(b)fluoranthene	22.96	252	23428	0.36	ng	98
42) Benzo(k)fluoranthene	23.01	252	24414	0.42	ng	# 96
43) Benzo(a)pyrene	23.60	252	23189	0.40	ng	98
44) Dibenzo(a,h)anthracene	26.28	278	22035	0.39	ng	98
45) Benzo(g,h,i)perylene	27.05	276	22504	0.40	ng	98

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QLast Update : Wed May 25 19:42:30 2016
Response via : Initial Calibration

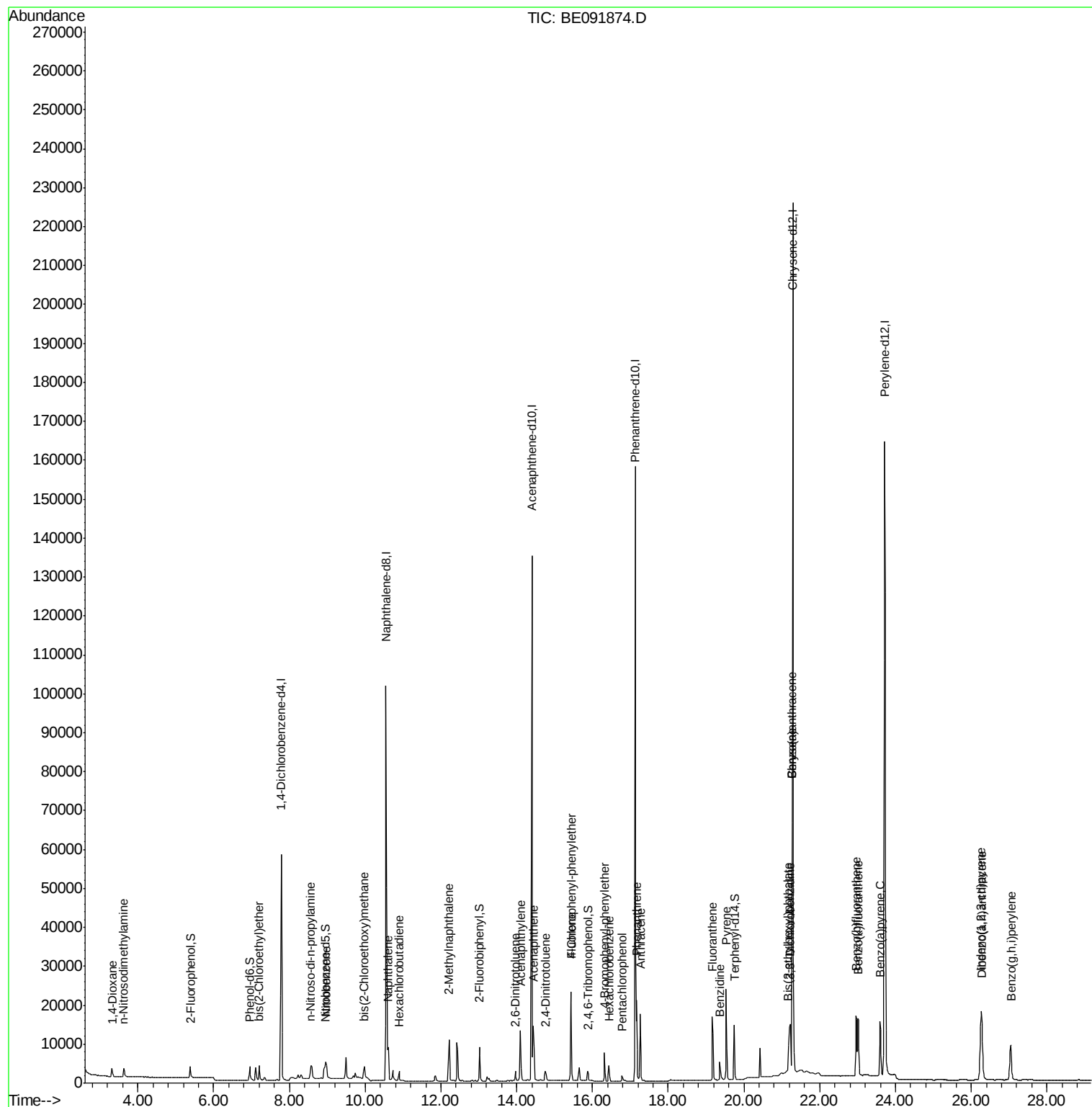
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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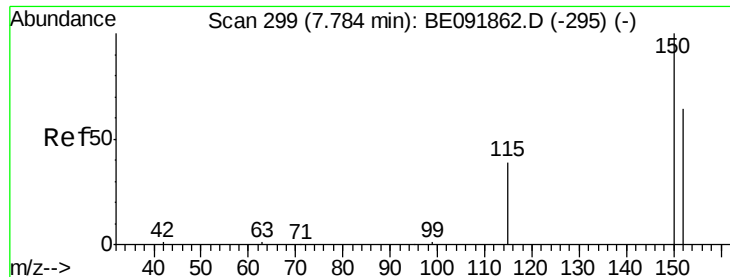
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.79 min Scan# 299

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

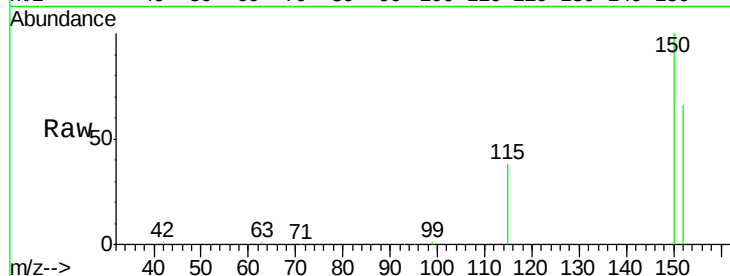
Tgt Ion:152 Resp: 30082

Ion Ratio Lower Upper

152 100

150 151.6 123.9 185.9

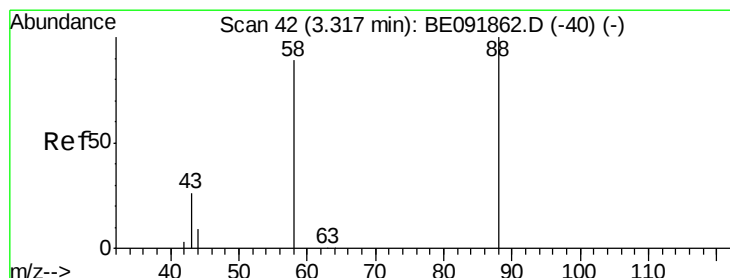
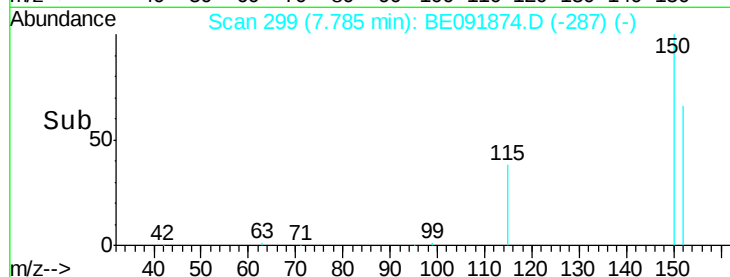
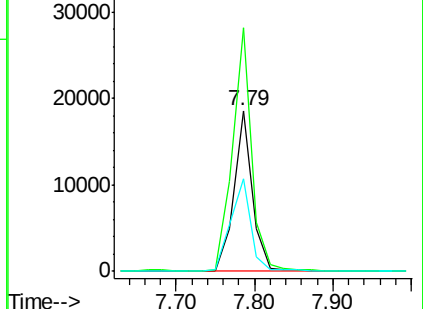
115 57.6 48.3 72.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.37 ng

RT: 3.31 min Scan# 42

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

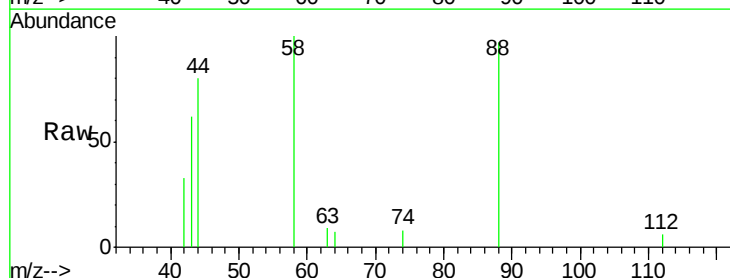
Tgt Ion: 88 Resp: 1371

Ion Ratio Lower Upper

88 100

58 84.3 63.0 94.4

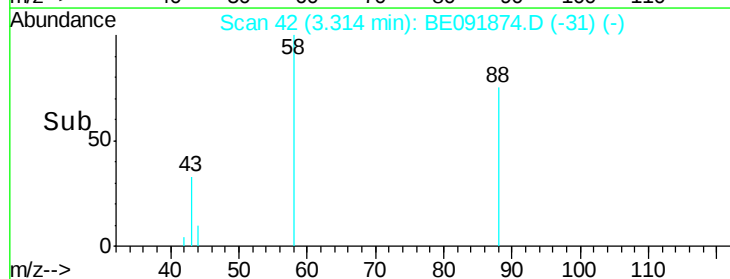
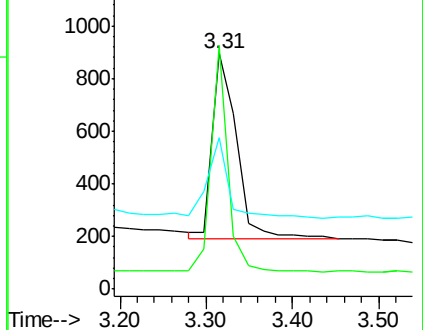
43 38.4 29.1 43.7

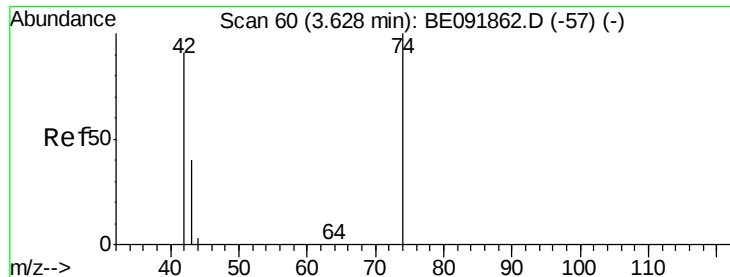


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.33 ng

RT: 3.63 min Scan# 60

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

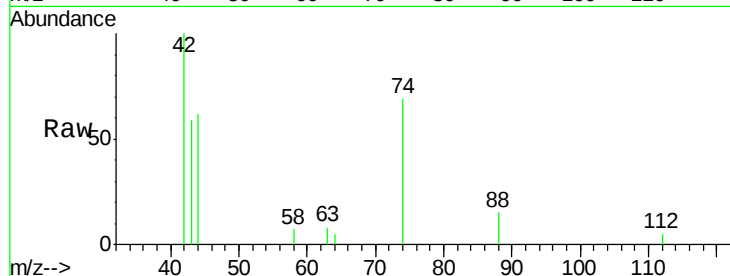
Tgt Ion: 42 Resp: 1845

Ion Ratio Lower Upper

42 100

74 114.8 93.4 140.0

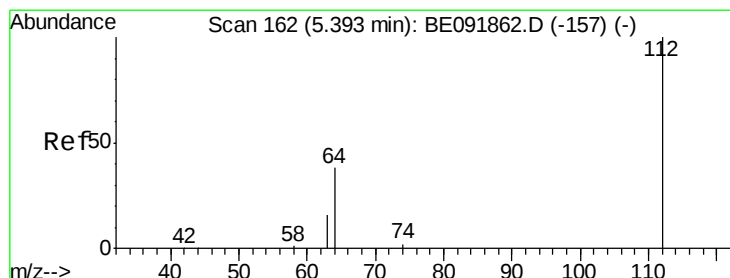
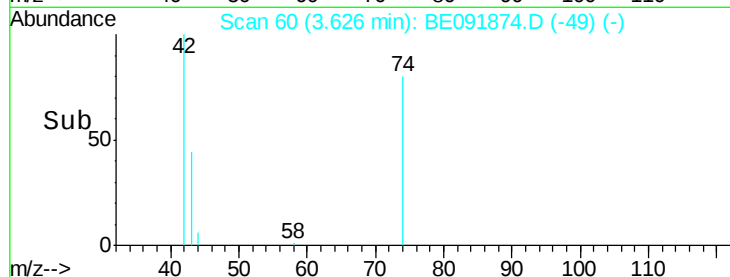
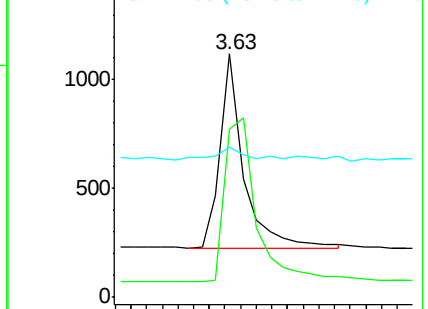
44 8.7 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.35 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

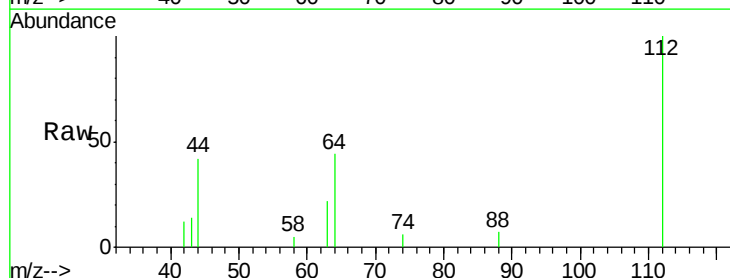
Tgt Ion: 112 Resp: 2978

Ion Ratio Lower Upper

112 100

64 69.1 53.7 80.5

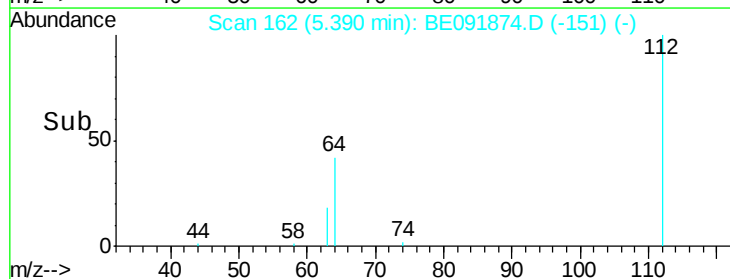
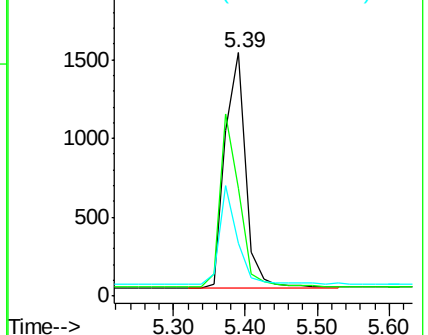
63 35.8 29.5 44.3

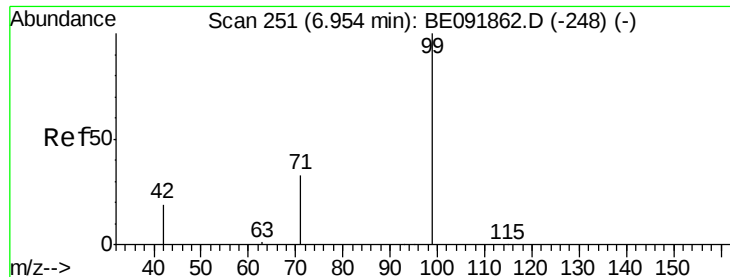


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.39 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

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SSTDCCC0.4EC

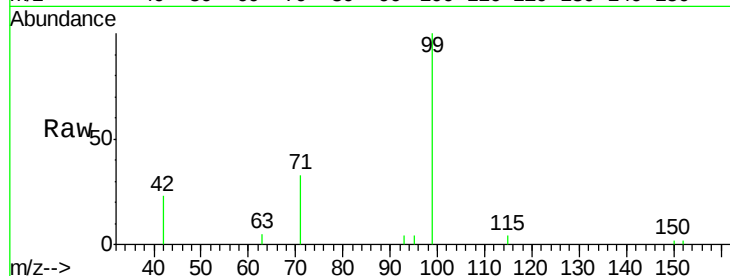
Tgt Ion: 99 Resp: 4390

Ion Ratio Lower Upper

99 100

42 23.7 19.6 29.4

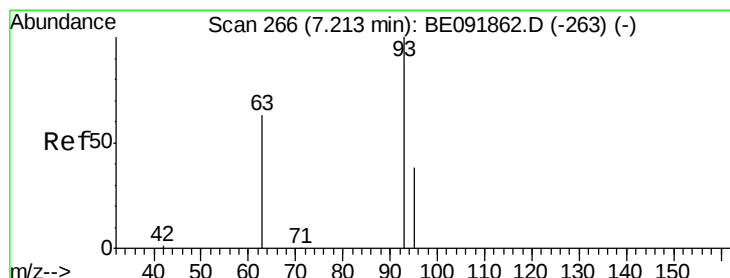
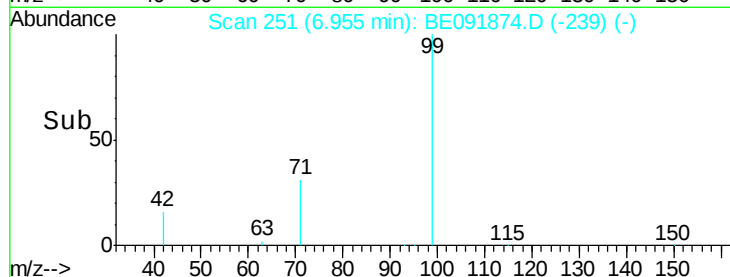
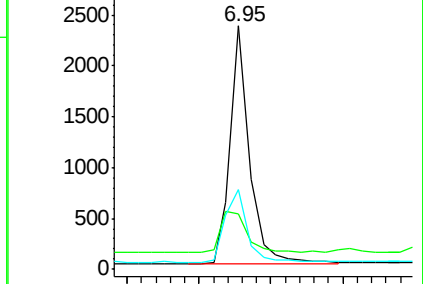
71 35.3 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.37 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.02 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

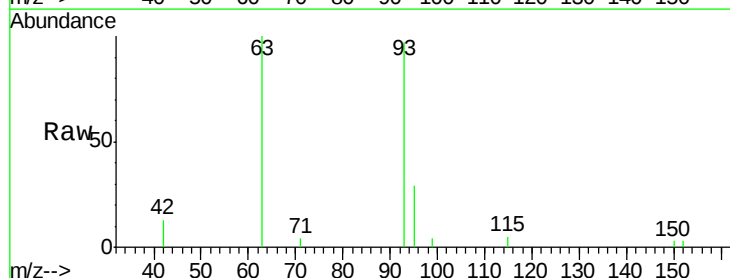
Tgt Ion: 93 Resp: 3522

Ion Ratio Lower Upper

93 100

63 83.5 66.2 99.4

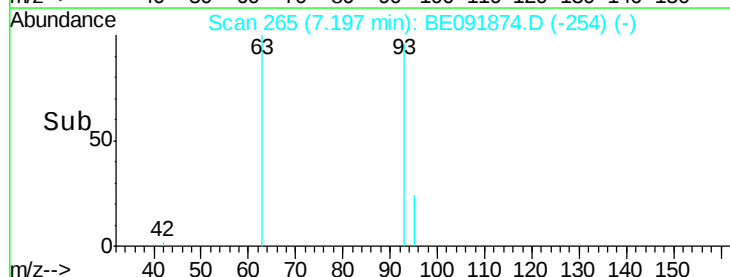
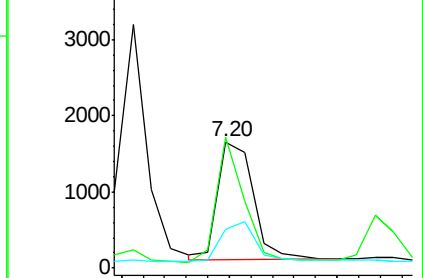
95 32.3 25.5 38.3

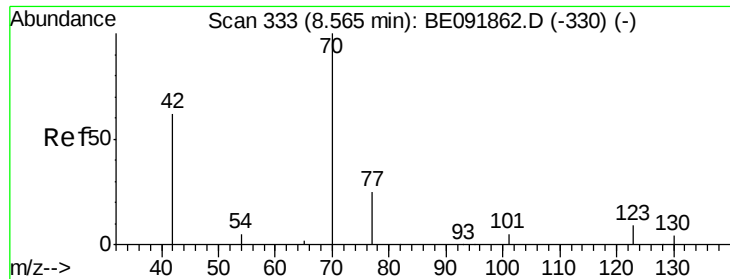


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.37 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 3213

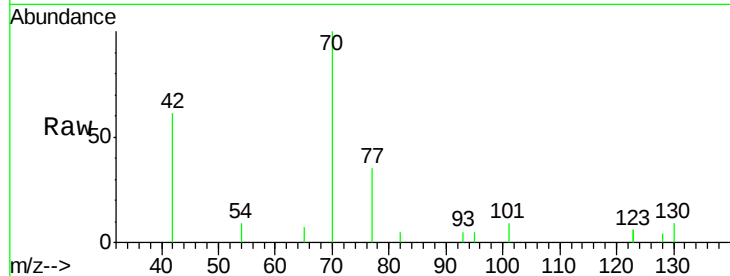
Ion Ratio Lower Upper

70 100

42 67.3 58.4 87.6

101 8.4 6.4 9.6

130 0.0 0.0 0.0



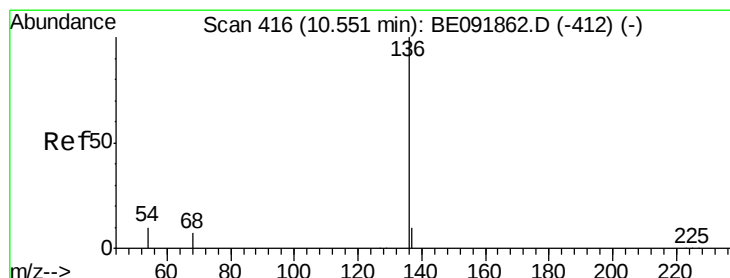
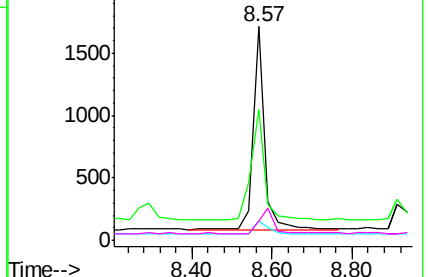
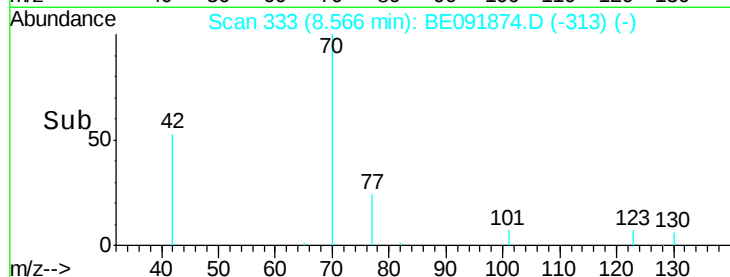
Abundance Ion 70.00 (69.70 to 70.70): BE0

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

Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Tgt Ion: 136 Resp: 153672

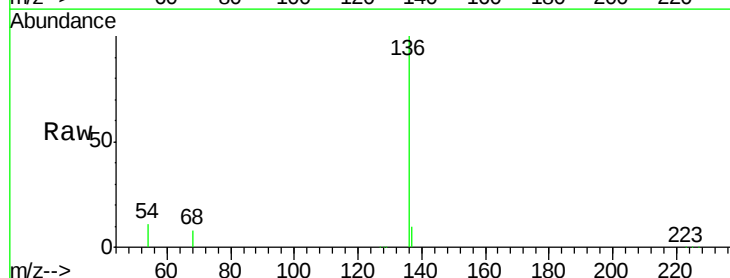
Ion Ratio Lower Upper

136 100

137 10.3 8.3 12.5

54 10.6 8.2 12.4

68 7.7 5.9 8.9



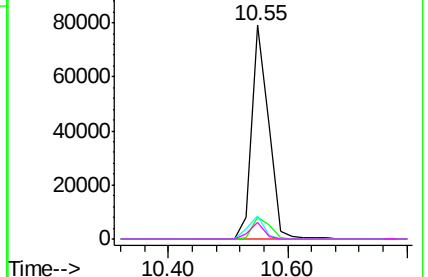
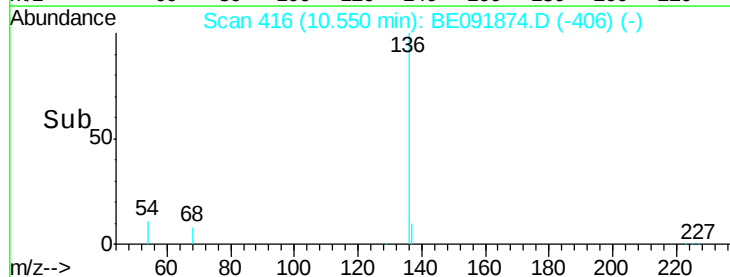
Abundance Ion 136.00 (135.70 to 136.70): E

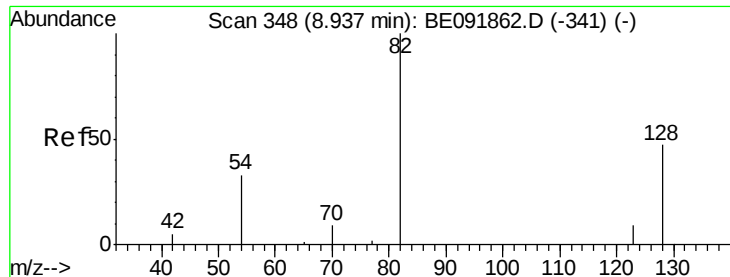
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->





#9

Nitrobenzene-d5

Concen: 0.37 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

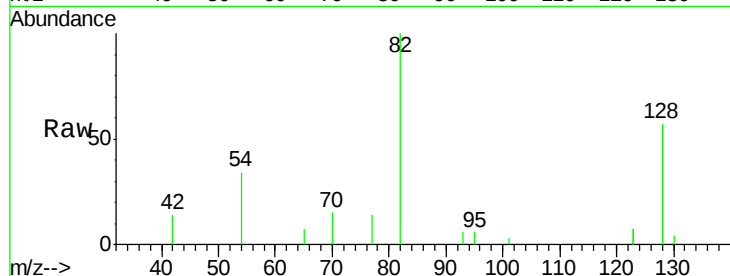
Tgt Ion: 82 Resp: 4596

Ion Ratio Lower Upper

82 100

128 57.1 39.5 59.3

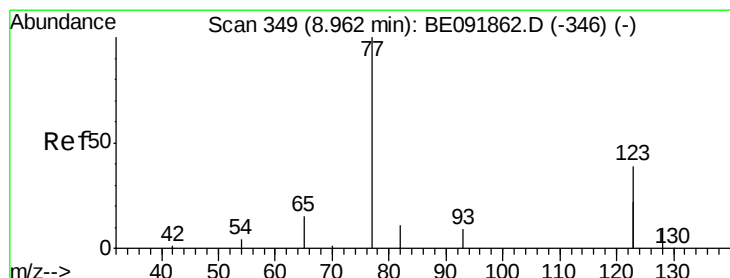
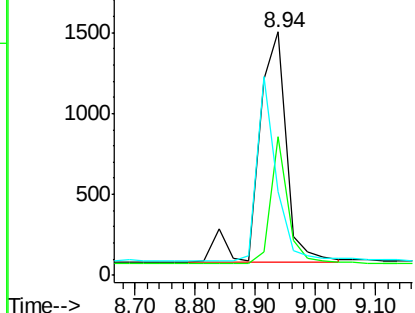
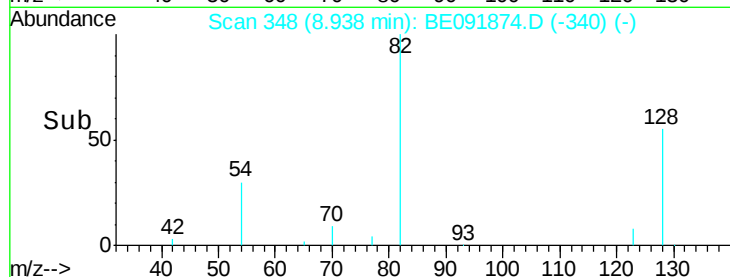
54 34.4 30.3 45.5



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: 0.37 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

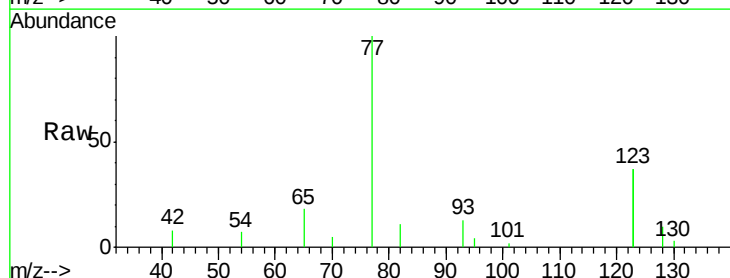
Tgt Ion: 77 Resp: 4425

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

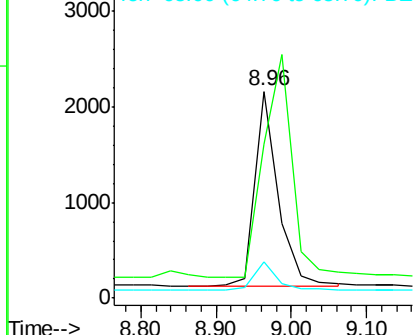
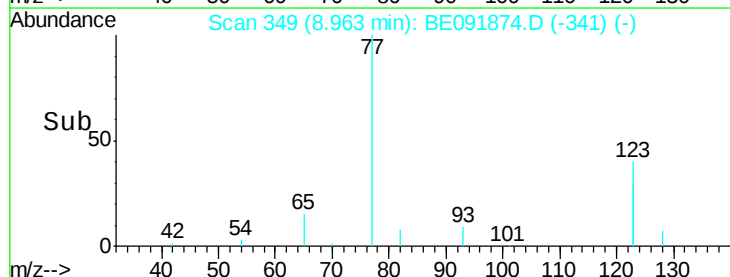
65 13.9 11.1 16.7

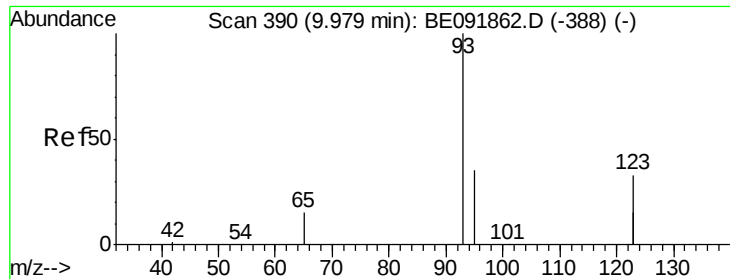


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

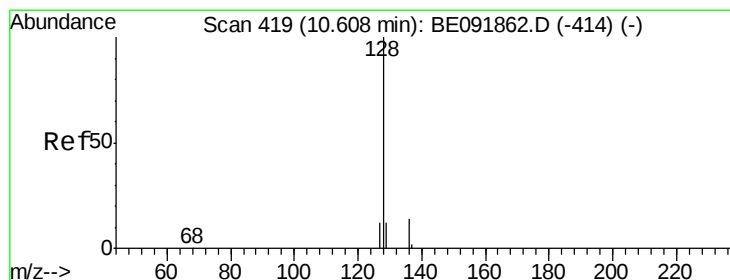
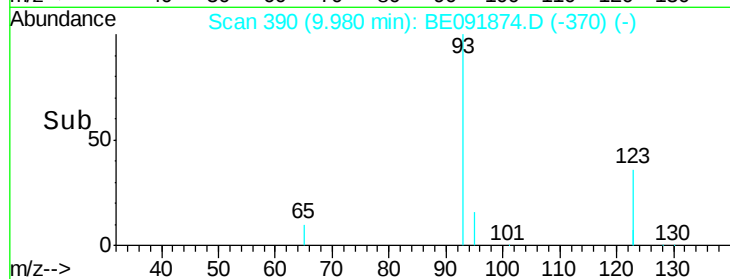
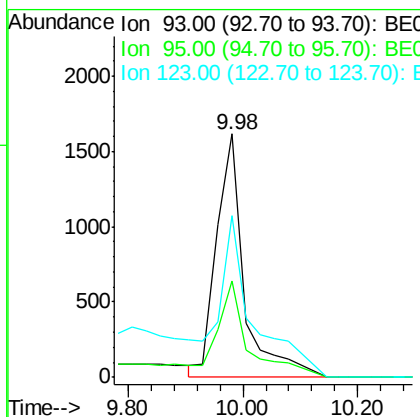
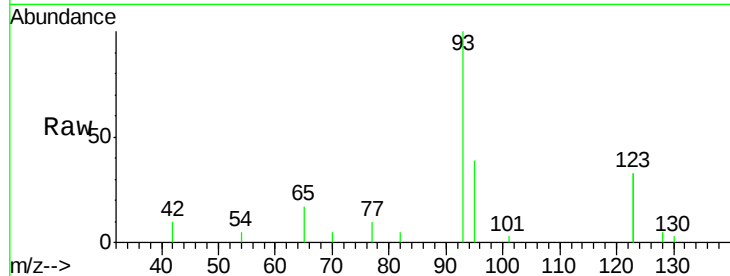




#11
bis(2-Chloroethoxy)methane
Concen: 0.42 ng
RT: 9.98 min Scan# 390
Delta R.T. 0.00 min
Lab File: BE091874.D
Acq: 26 May 2016 00:52

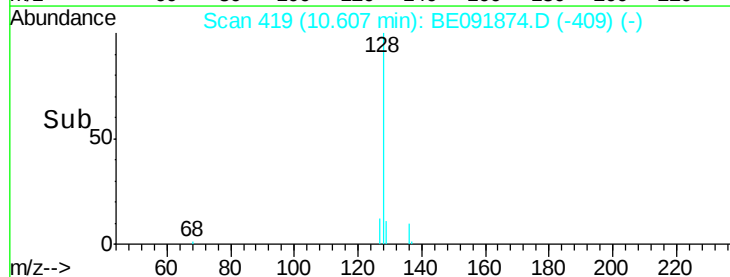
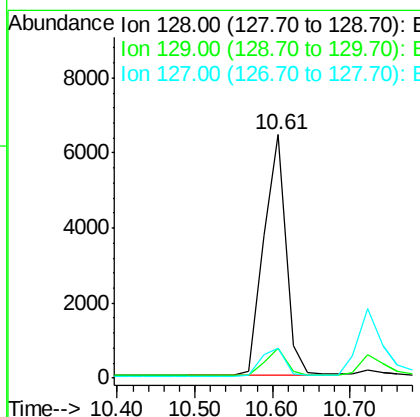
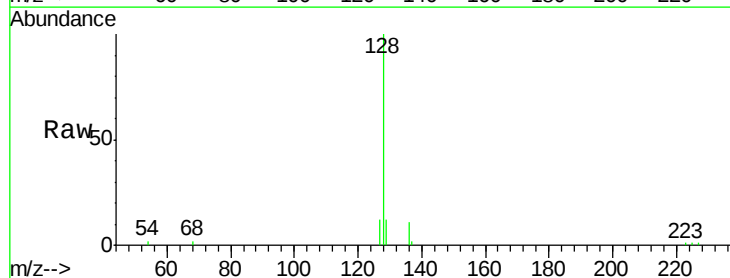
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

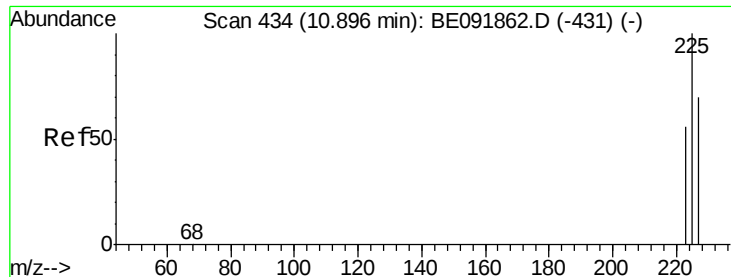
Tgt Ion: 93 Resp: 6104
Ion Ratio Lower Upper
93 100
95 43.6 57.6 86.4#
123 75.7 100.2 150.4#



#12
Naphthalene
Concen: 0.39 ng
RT: 10.61 min Scan# 419
Delta R.T. -0.00 min
Lab File: BE091874.D
Acq: 26 May 2016 00:52

Tgt Ion: 128 Resp: 12918
Ion Ratio Lower Upper
128 100
129 12.2 10.4 15.6
127 12.4 10.2 15.2

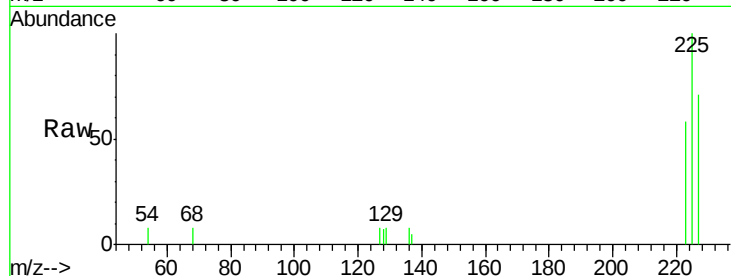




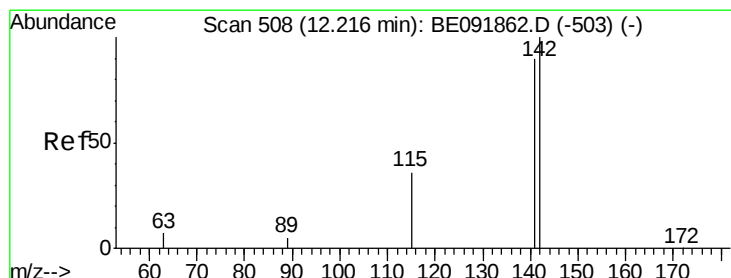
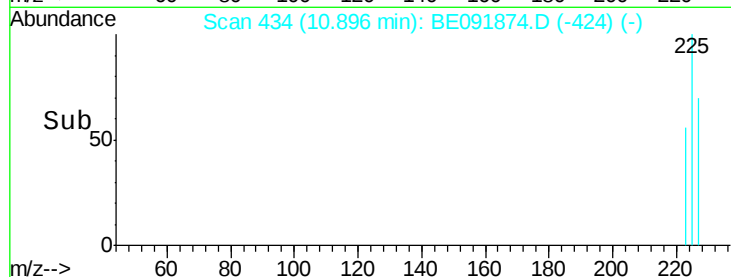
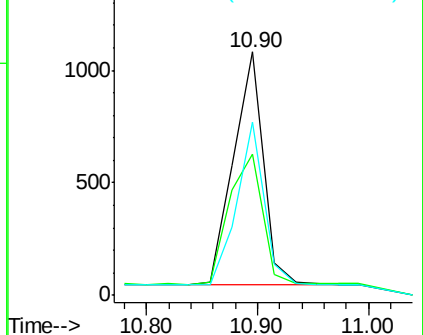
#13
Hexachlorobutadiene
Concen: 0.38 ng
RT: 10.90 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE091874.D
Acq: 26 May 2016 00:52

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 225 Resp: 1960
Ion Ratio Lower Upper
225 100
223 62.7 49.8 74.8
227 64.3 50.6 75.8

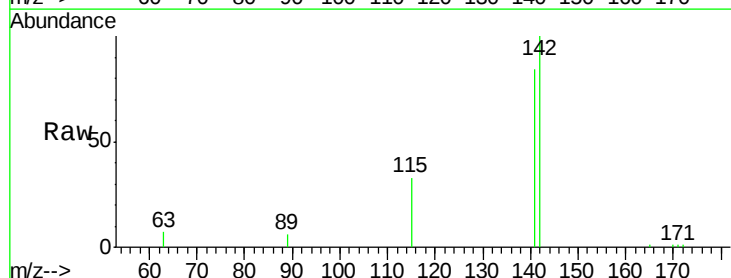


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

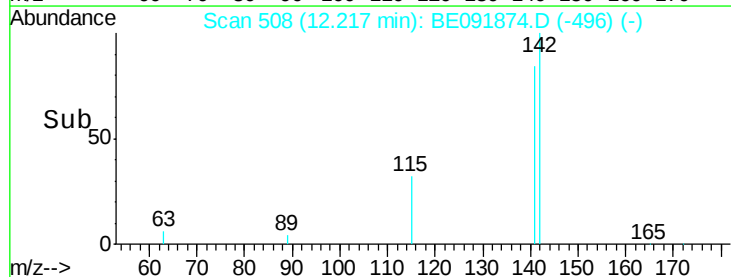
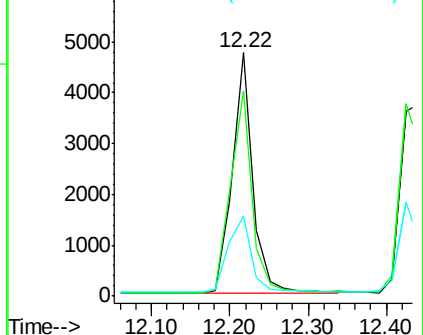


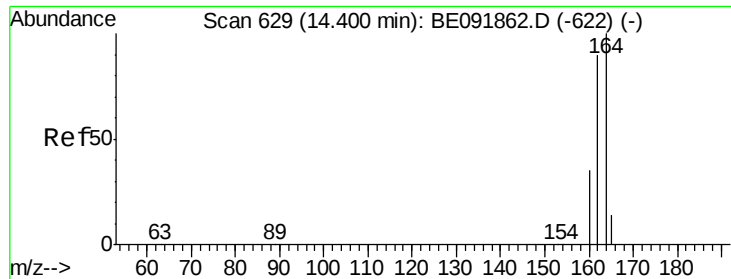
#14
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.22 min Scan# 508
Delta R.T. 0.00 min
Lab File: BE091874.D
Acq: 26 May 2016 00:52

Tgt Ion: 142 Resp: 8551
Ion Ratio Lower Upper
142 100
141 84.4 71.9 107.9
115 32.8 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

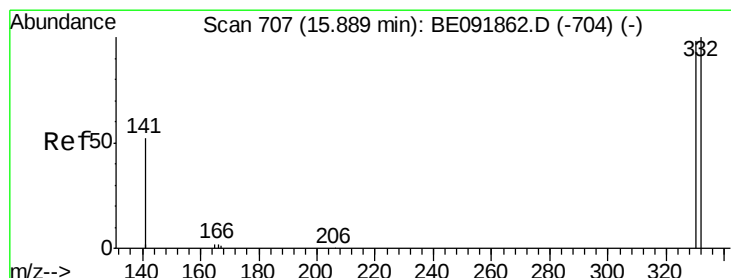
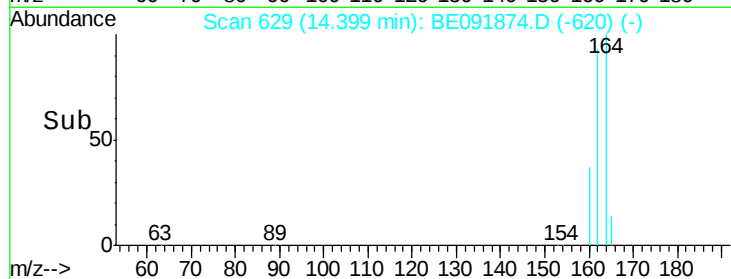
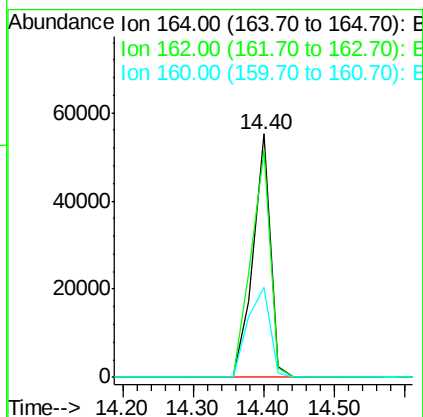
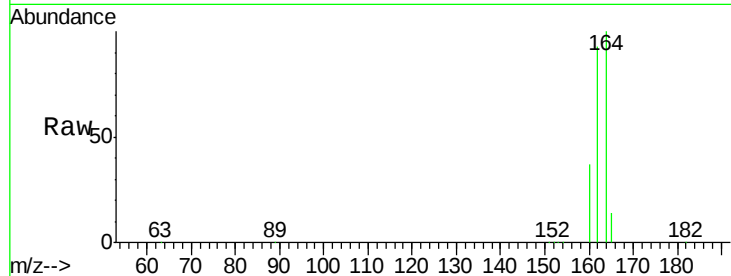




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.40 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BE091874.D
 Acq: 26 May 2016 00:52

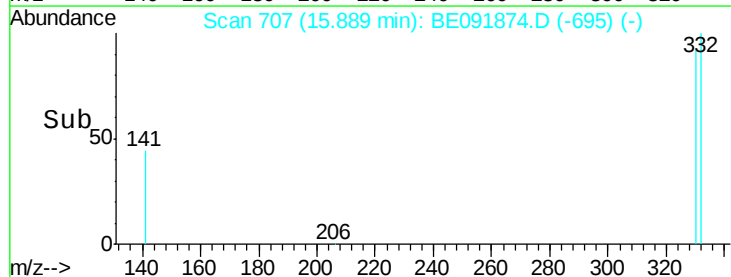
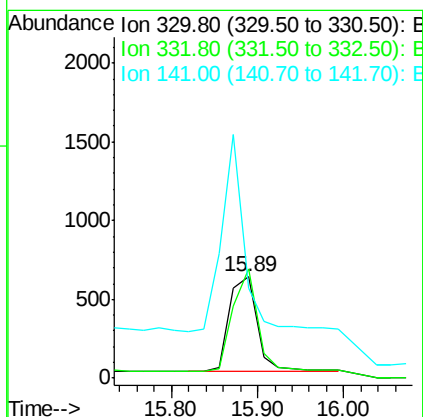
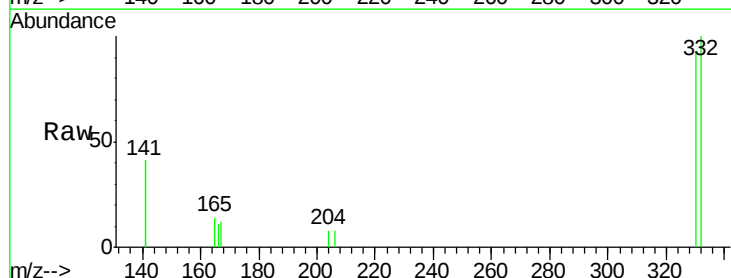
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

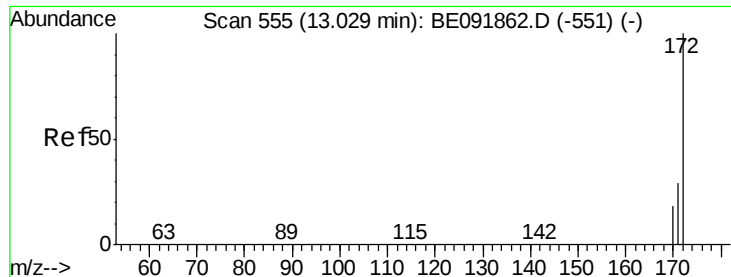
Tgt Ion:164 Resp: 95198
 Ion Ratio Lower Upper
 164 100
 162 93.2 71.8 107.8
 160 37.0 28.0 42.0



#16
 2,4,6-Tribromophenol
 Concen: 0.32 ng
 RT: 15.89 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091874.D
 Acq: 26 May 2016 00:52

Tgt Ion:330 Resp: 1340
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 171.9 138.4 207.6

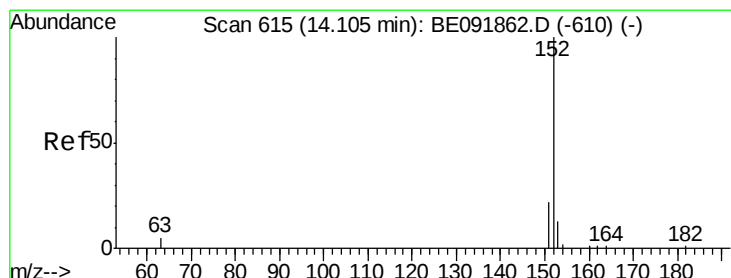
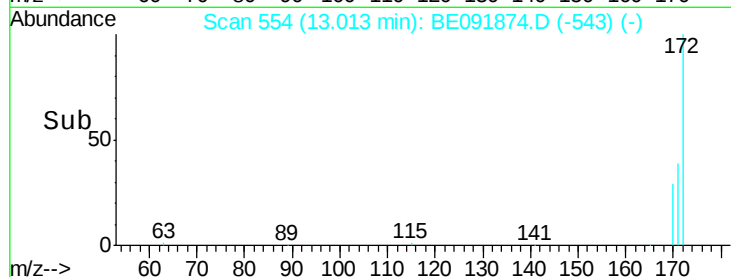
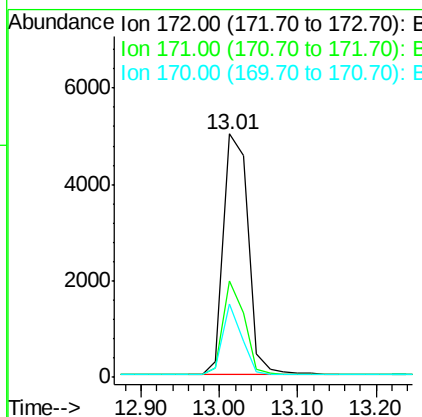
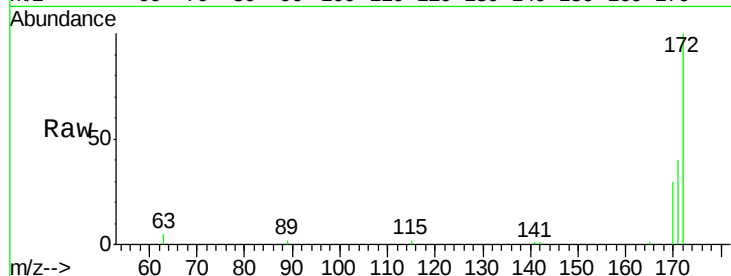




#17
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.01 min Scan# 554
Delta R.T. -0.02 min
Lab File: BE091874.D
Acq: 26 May 2016 00:52

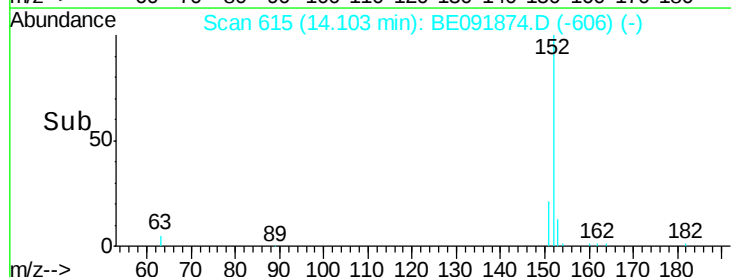
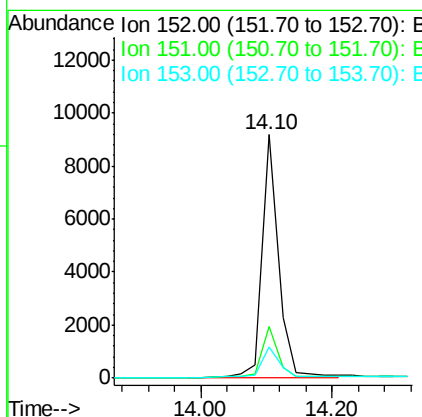
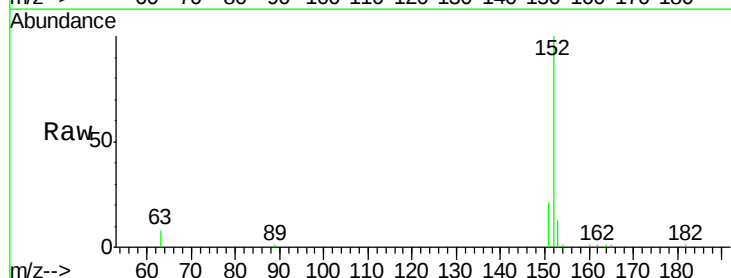
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

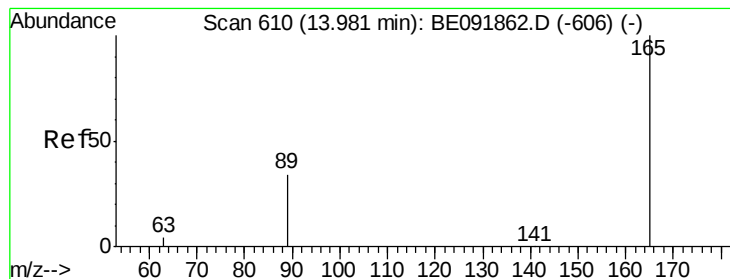
Tgt Ion:172 Resp: 10906
Ion Ratio Lower Upper
172 100
171 39.7 24.3 36.5#
170 30.0 14.9 22.3#



#18
Acenaphthylene
Concen: 0.39 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091874.D
Acq: 26 May 2016 00:52

Tgt Ion:152 Resp: 17479
Ion Ratio Lower Upper
152 100
151 22.9 19.4 29.2
153 16.4 14.4 21.6





#19

2,6-Dinitrotoluene

Concen: 0.31 ng

RT: 13.96 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

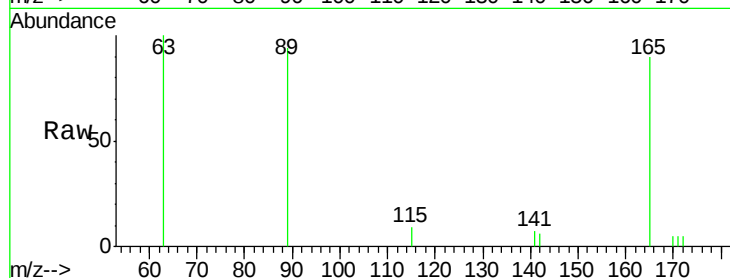
Tgt Ion:165 Resp: 1993

Ion Ratio Lower Upper

165 100

63 86.1 65.9 98.9

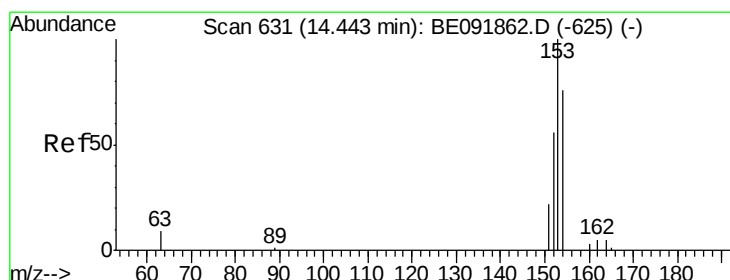
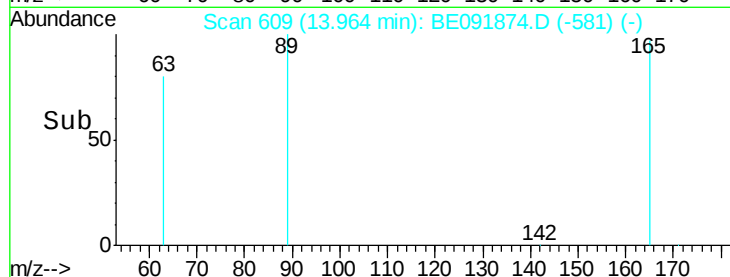
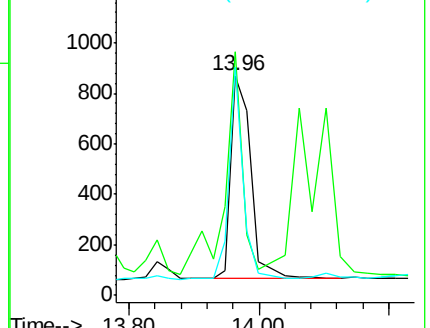
89 76.1 59.1 88.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.39 ng

RT: 14.44 min Scan# 631

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

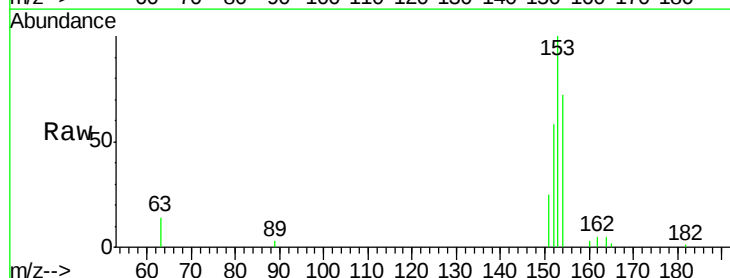
Tgt Ion:154 Resp: 9659

Ion Ratio Lower Upper

154 100

153 111.0 88.1 132.1

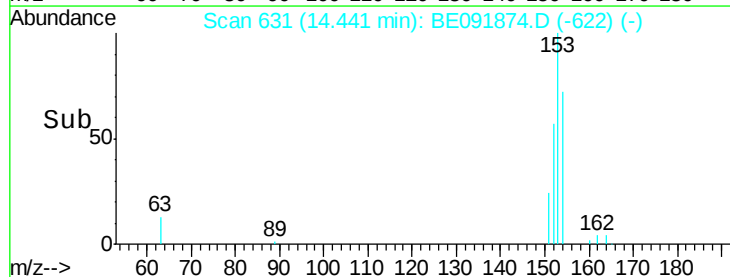
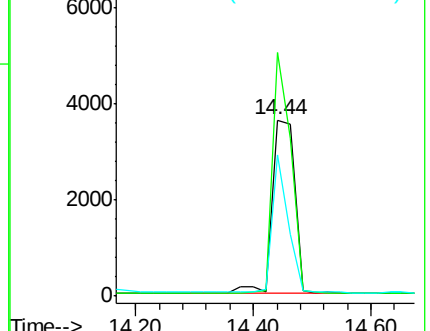
152 54.7 44.2 66.2

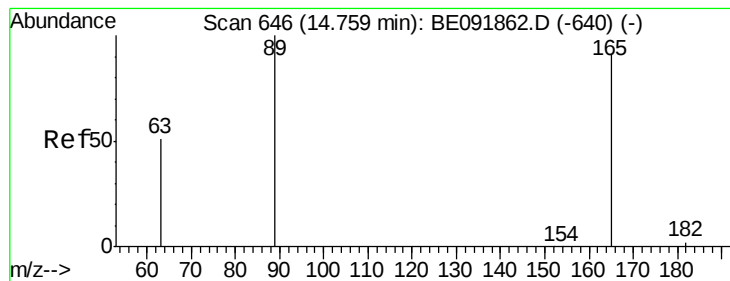


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.43 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:165 Resp: 2099

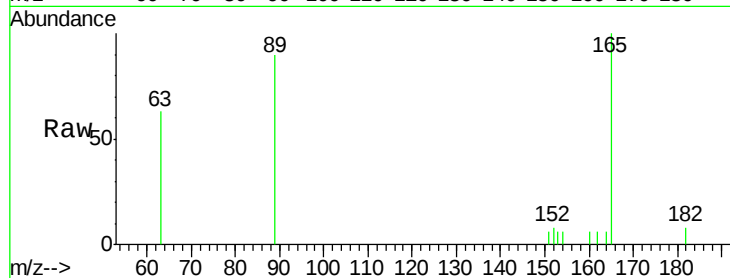
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 123.7 99.8 149.8

182 2.3 0.0 0.0#

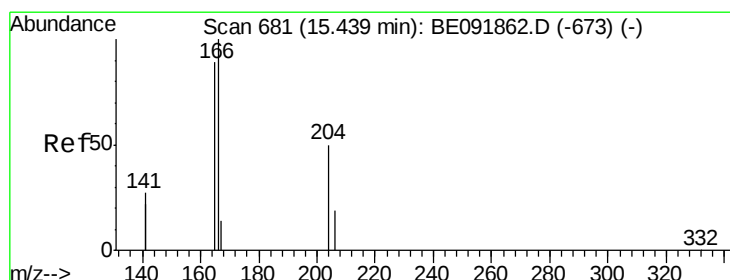
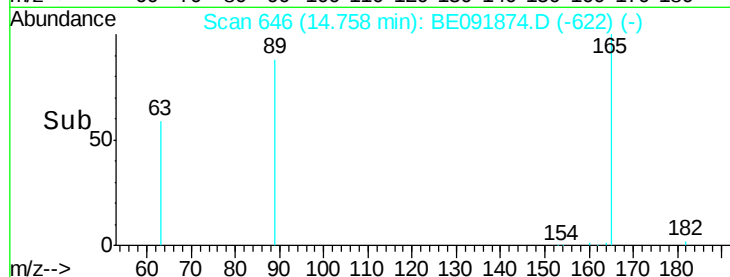
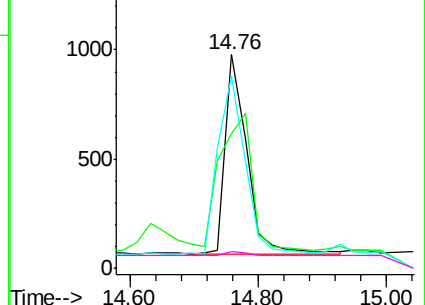


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.37 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

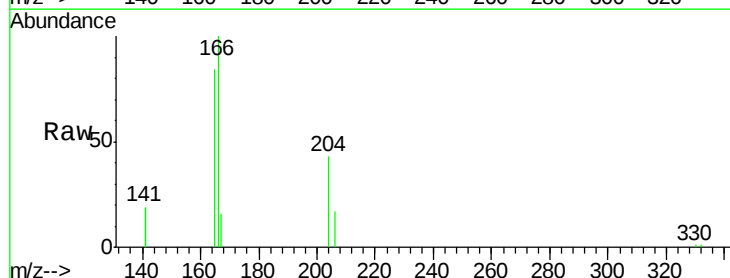
Tgt Ion:166 Resp: 12282

Ion Ratio Lower Upper

166 100

165 99.0 78.6 117.8

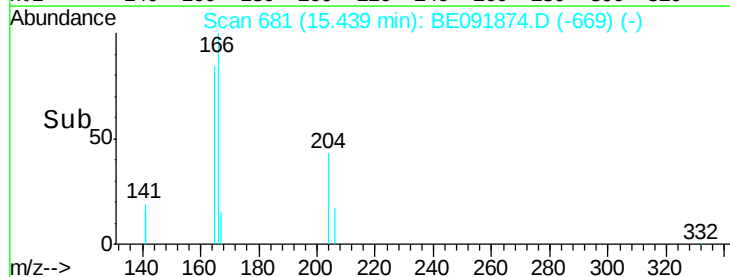
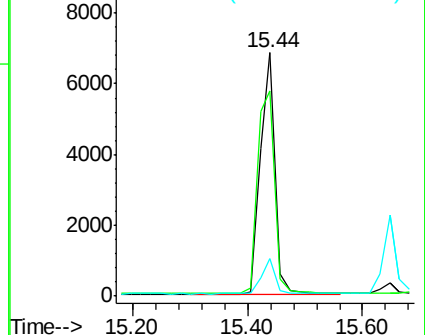
167 13.9 10.8 16.2

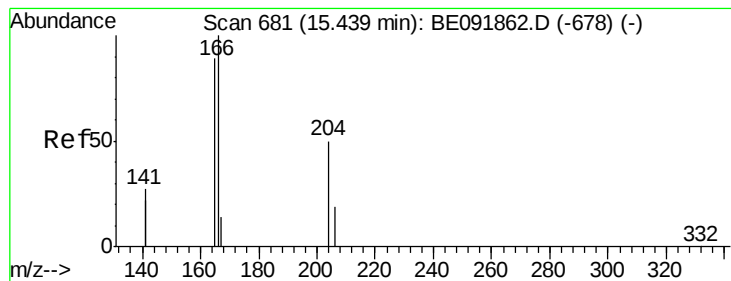


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 0.33 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

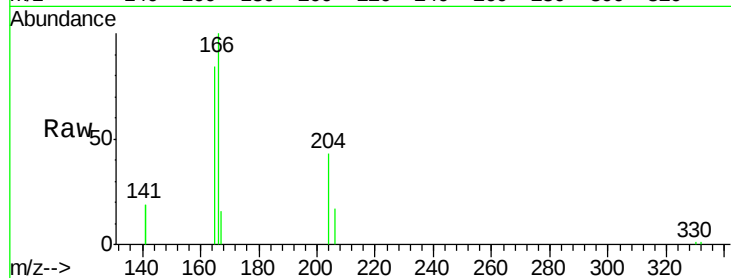
Tgt Ion:204 Resp: 5988

Ion Ratio Lower Upper

204 100

206 33.4 27.8 41.6

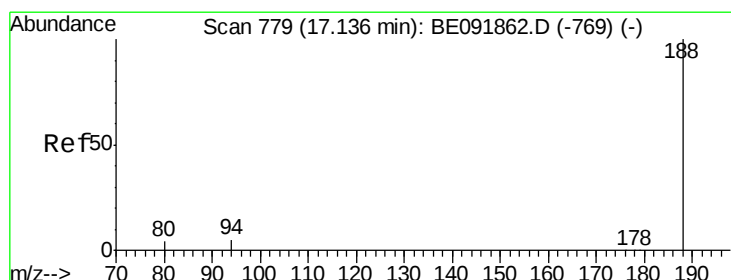
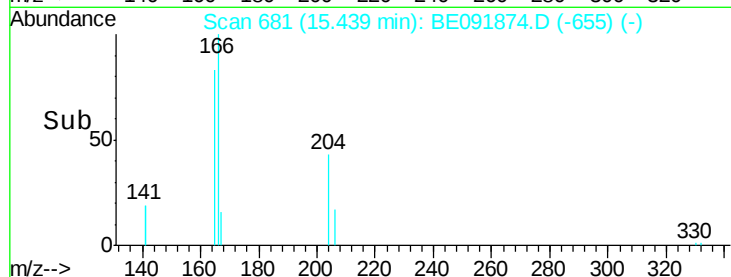
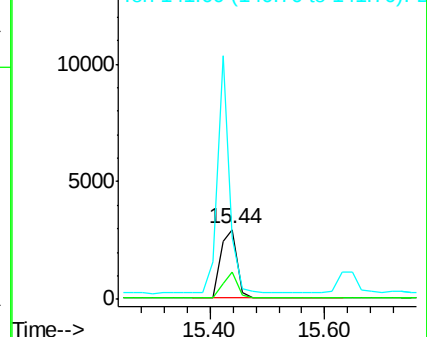
141 248.2 197.6 296.4



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

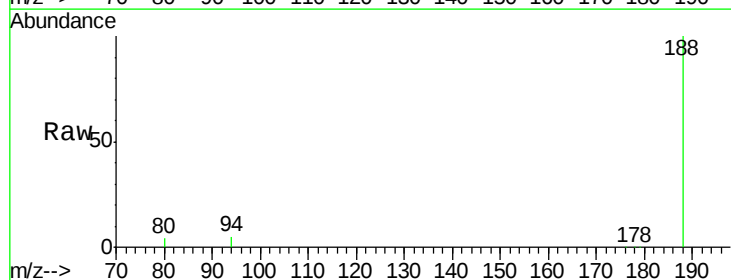
Tgt Ion:188 Resp: 263237

Ion Ratio Lower Upper

188 100

94 4.7 4.1 6.1

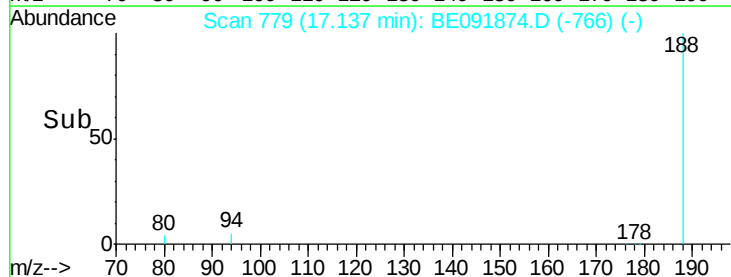
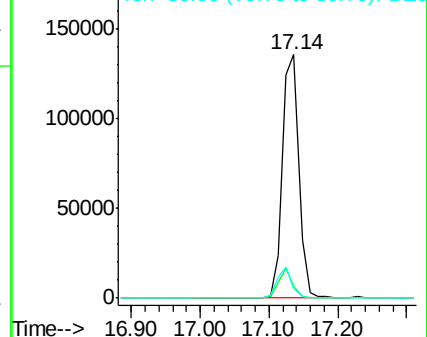
80 3.8 3.4 5.2

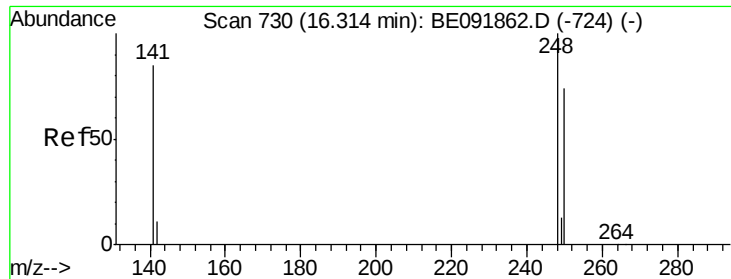


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

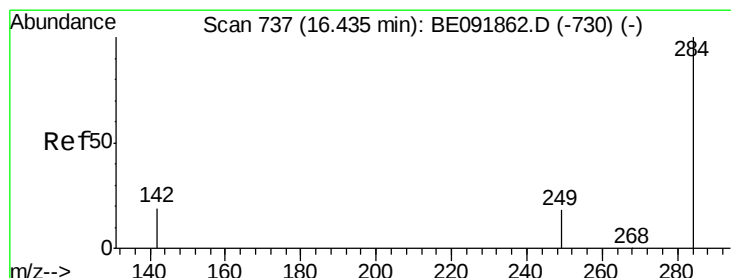
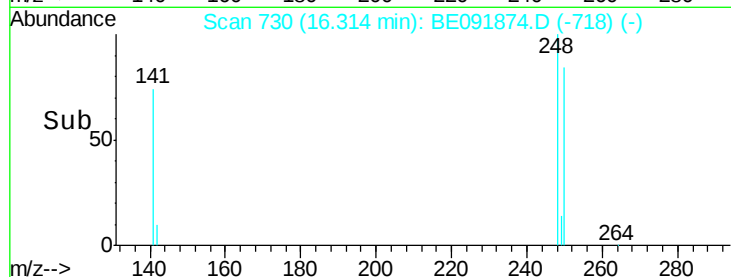
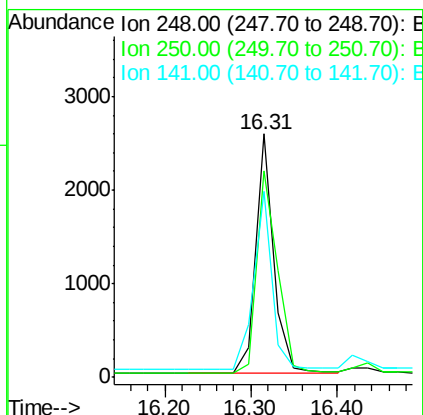
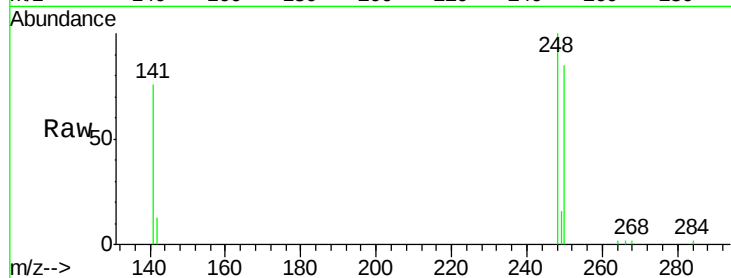




#25
4-Bromophenyl-phenylether
Concen: 0.39 ng
RT: 16.31 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE091874.D
Acq: 26 May 2016 00:52

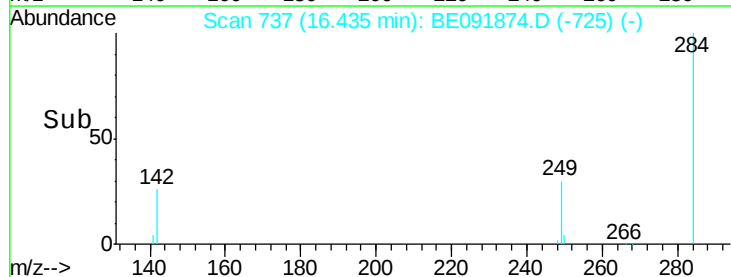
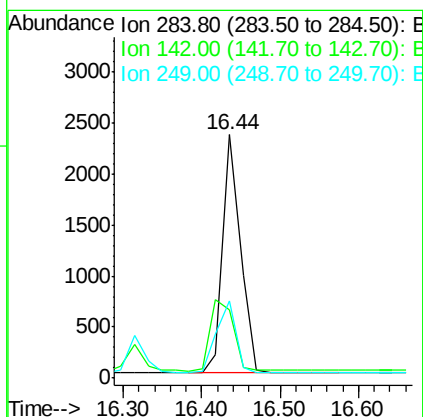
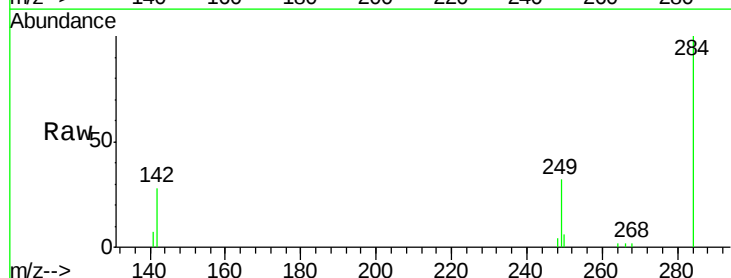
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

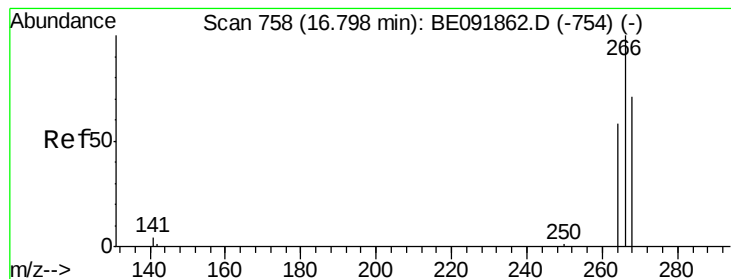
Tgt Ion:248 Resp: 3696
Ion Ratio Lower Upper
248 100
250 97.4 75.7 113.5
141 77.5 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.44 min Scan# 737
Delta R.T. 0.00 min
Lab File: BE091874.D
Acq: 26 May 2016 00:52

Tgt Ion:284 Resp: 3675
Ion Ratio Lower Upper
284 100
142 38.4 31.4 47.2
249 32.6 25.3 37.9





#27

Pentachlorophenol

Concen: 0.38 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.02 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

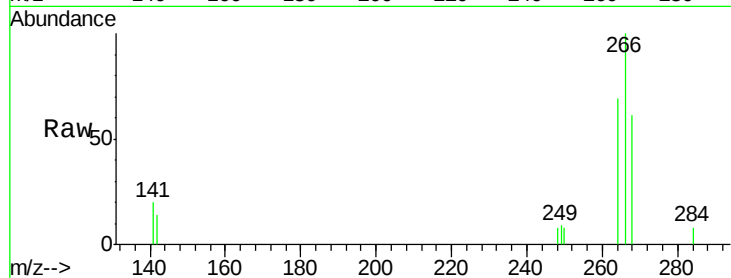
Tgt Ion:266 Resp: 1303

Ion Ratio Lower Upper

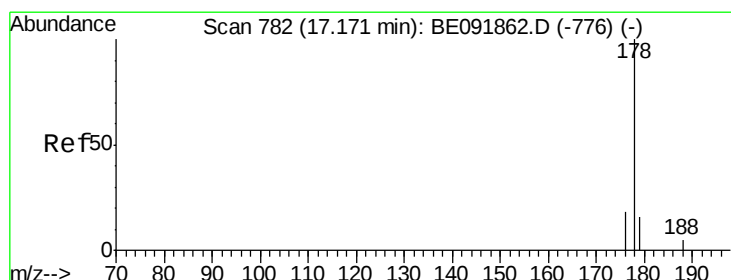
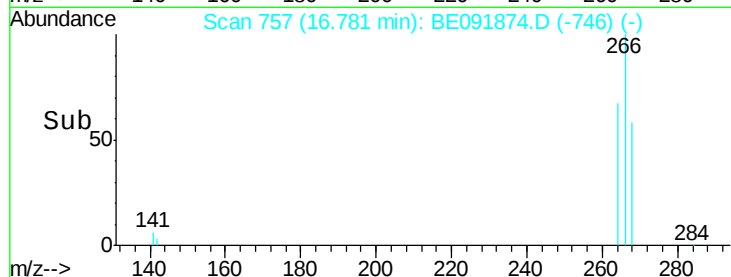
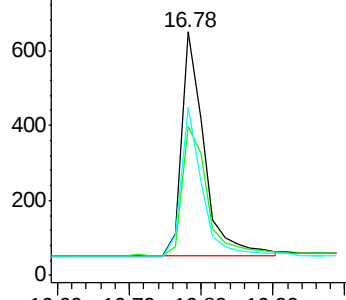
266 100

268 61.3 60.5 90.7

264 69.0 51.0 76.4



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



#28

Phenanthrene

Concen: 0.37 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

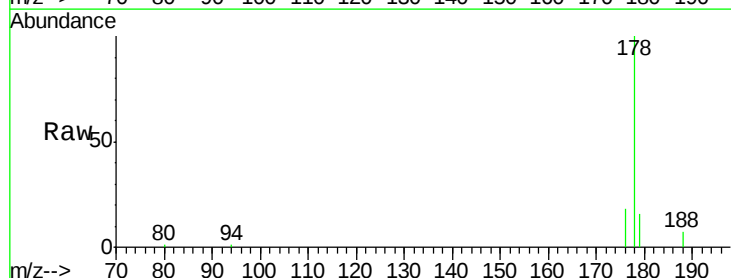
Tgt Ion:178 Resp: 21536

Ion Ratio Lower Upper

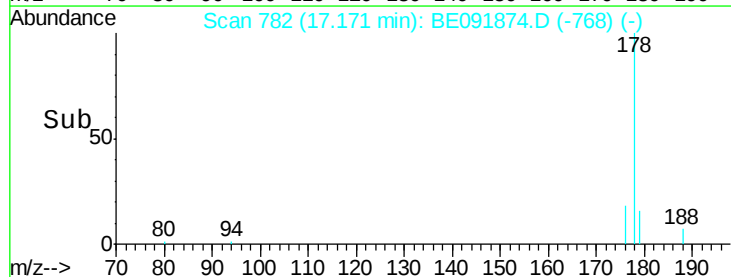
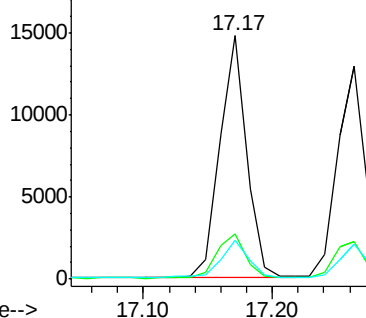
178 100

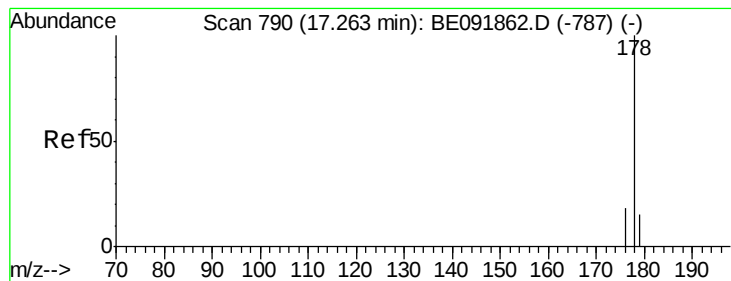
176 19.2 15.4 23.2

179 16.2 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.39 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

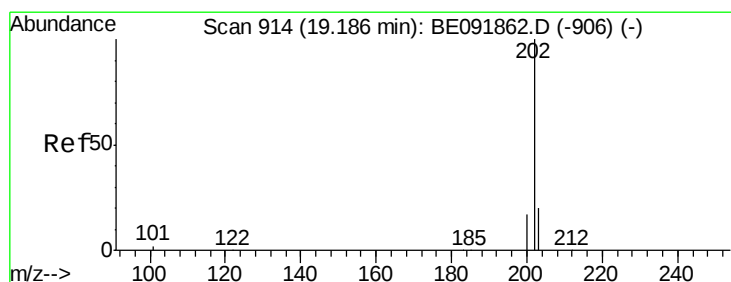
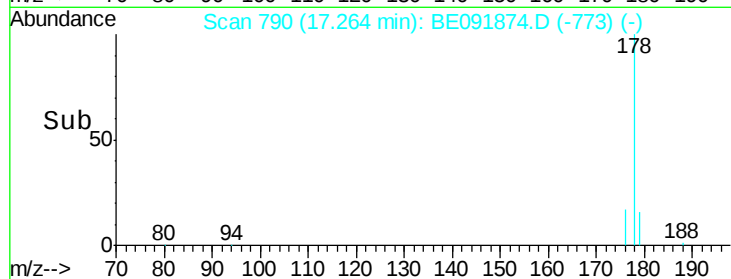
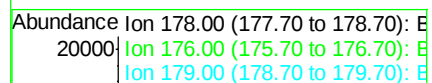
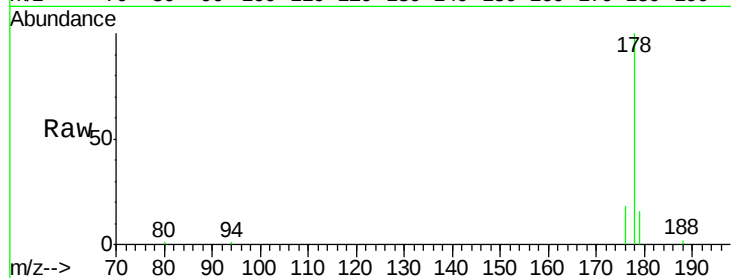
Tgt Ion:178 Resp: 20257

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.4 12.1 18.1



#30

Fluoranthene

Concen: 0.33 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

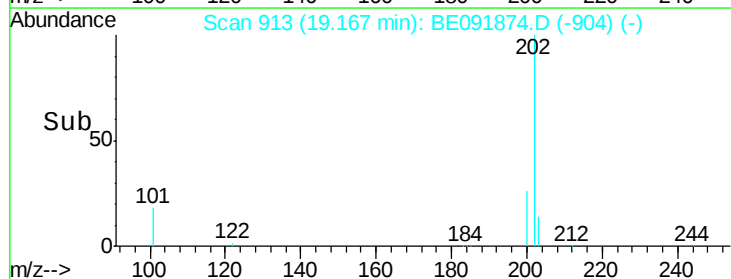
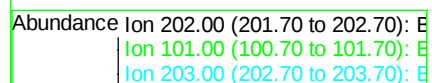
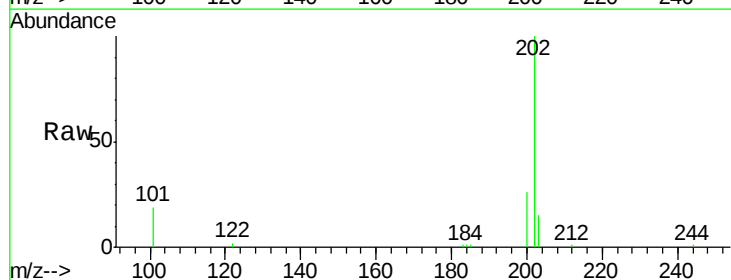
Tgt Ion:202 Resp: 23088

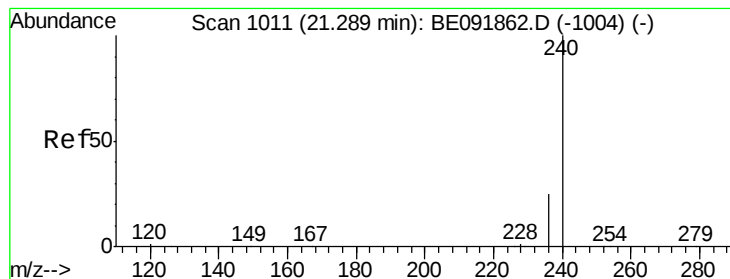
Ion Ratio Lower Upper

202 100

101 12.0 9.4 14.0

203 17.9 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

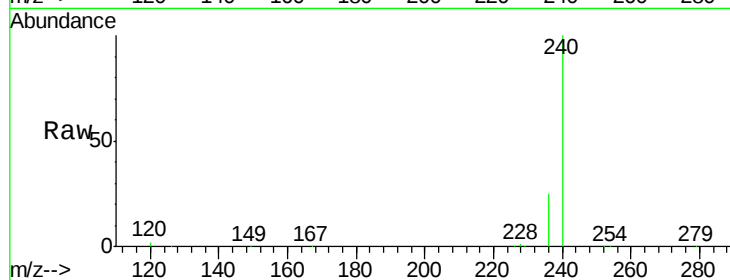
Tgt Ion:240 Resp: 268803

Ion Ratio Lower Upper

240 100

120 1.5 1.2 1.8

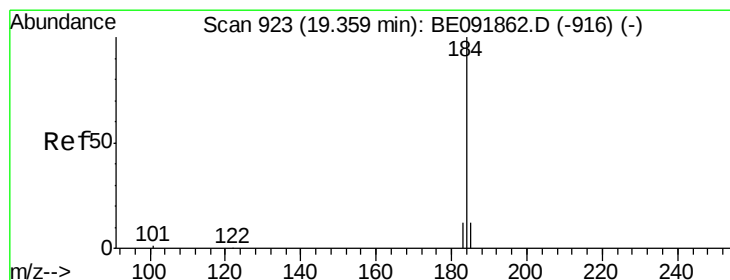
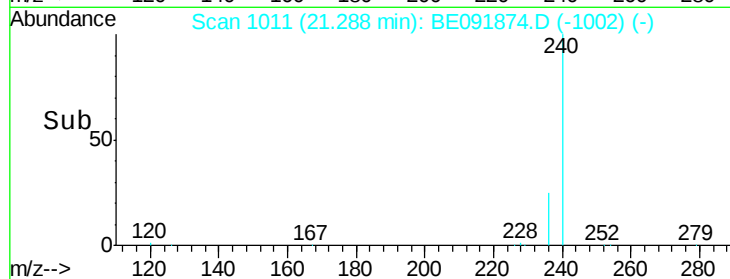
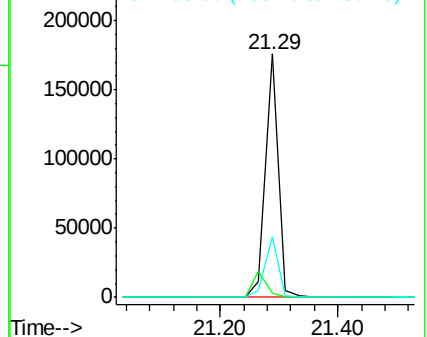
236 24.8 19.8 29.8



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: 0.49 ng

RT: 19.36 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

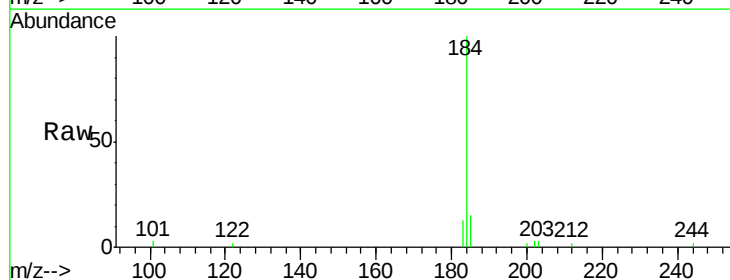
Tgt Ion:184 Resp: 9429

Ion Ratio Lower Upper

184 100

185 14.9 11.4 17.2

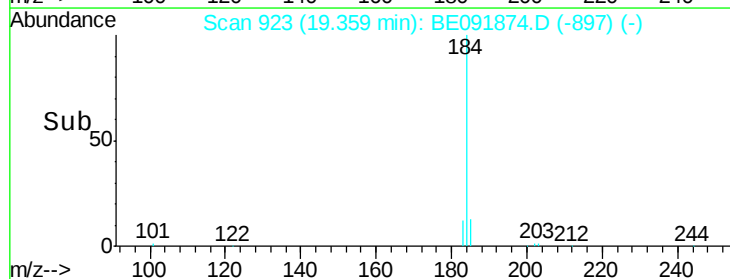
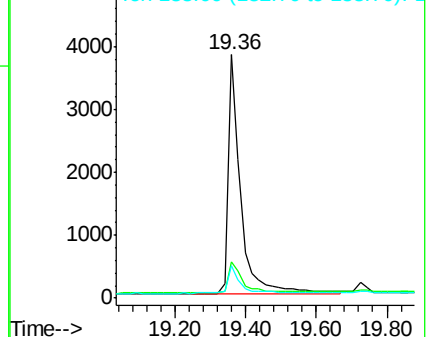
183 13.5 11.8 17.6

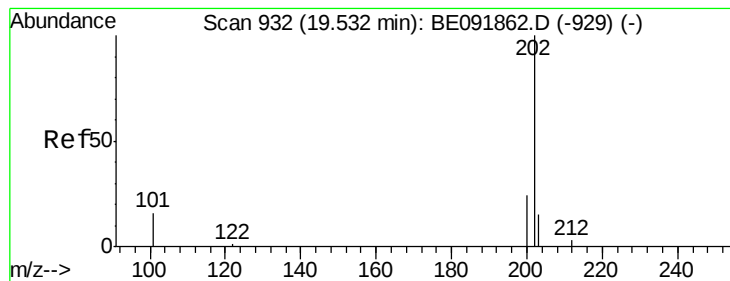


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.44 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

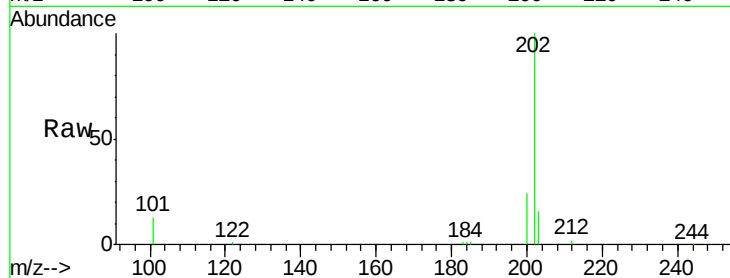
Tgt Ion:202 Resp: 25167

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

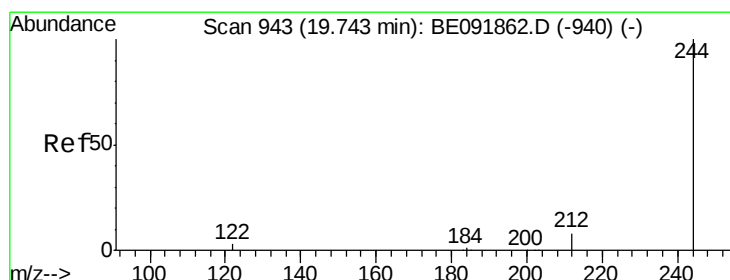
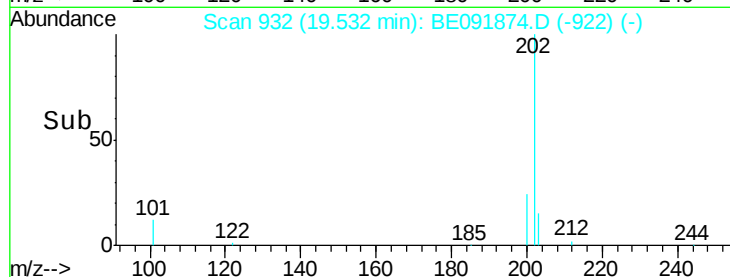
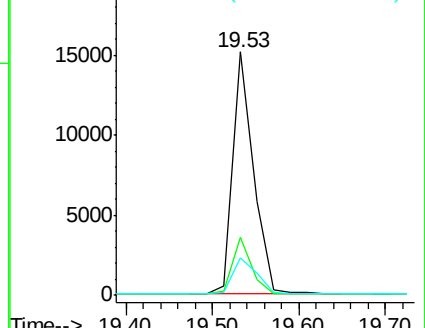
203 17.4 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.42 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

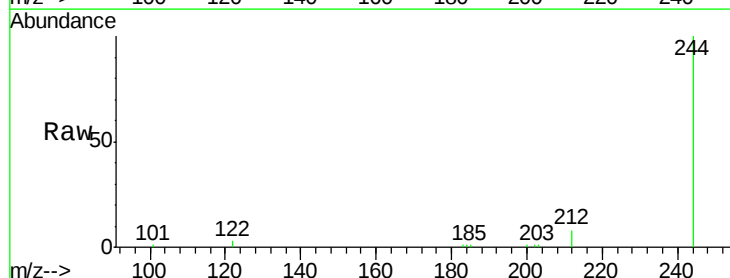
Tgt Ion:244 Resp: 16971

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

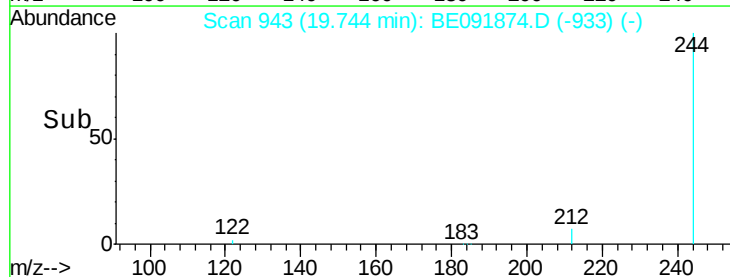
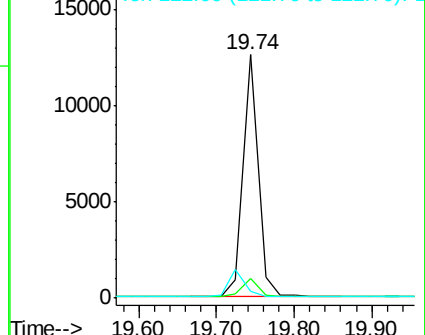
122 2.9 2.9 4.3

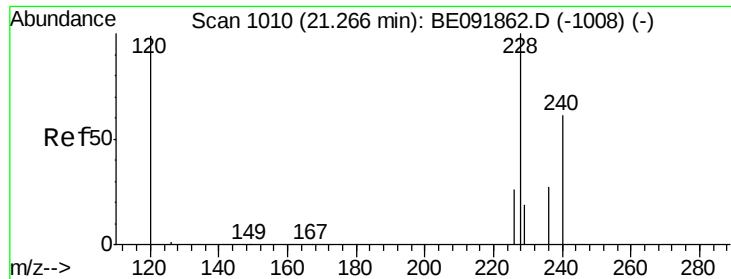


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.78 ng

RT: 21.27 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

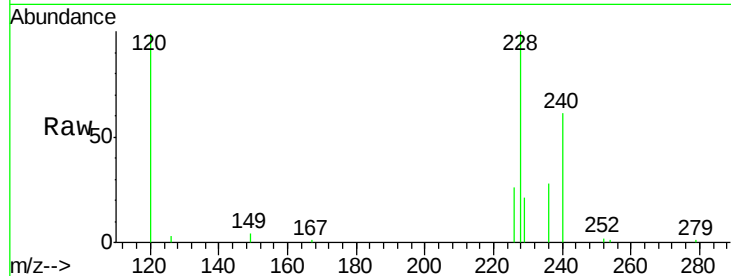
Tgt Ion:228 Resp: 55537

Ion Ratio Lower Upper

228 100

226 26.2 21.0 31.4

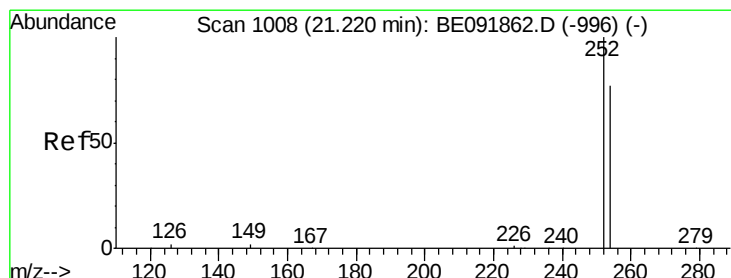
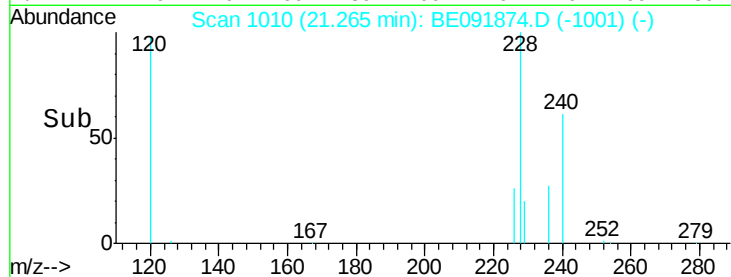
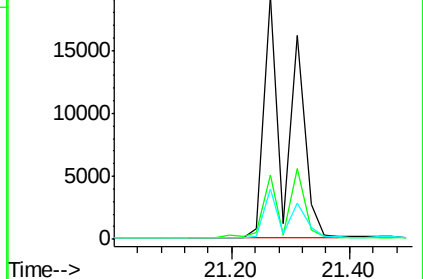
229 20.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.41 ng

RT: 21.22 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

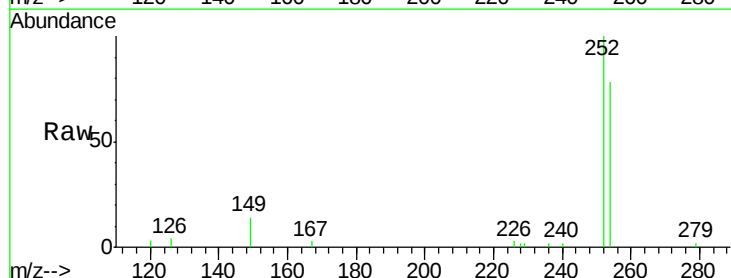
Tgt Ion:252 Resp: 16138

Ion Ratio Lower Upper

252 100

254 78.0 61.5 92.3

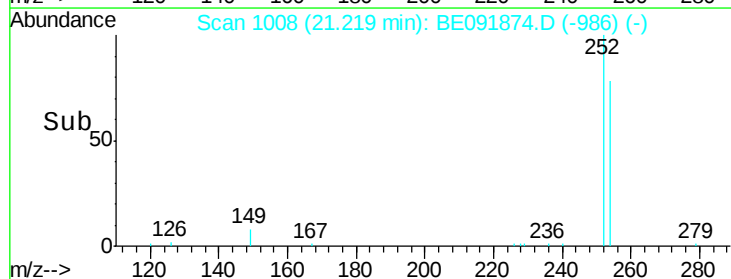
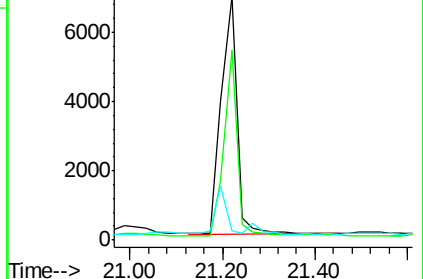
126 3.8 2.5 3.7#

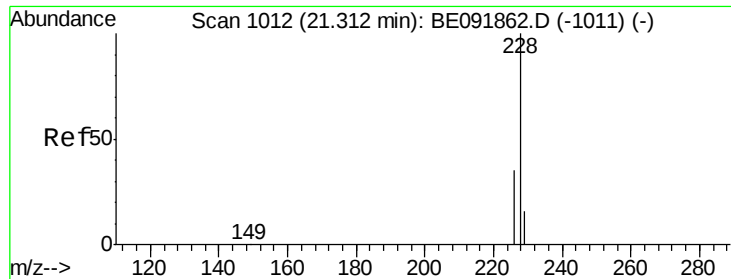


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

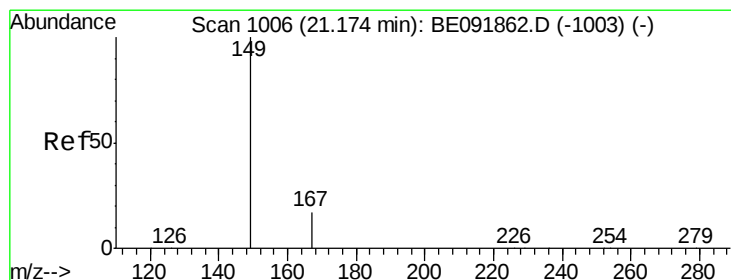
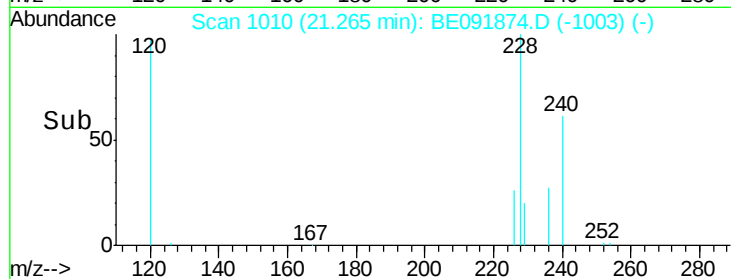
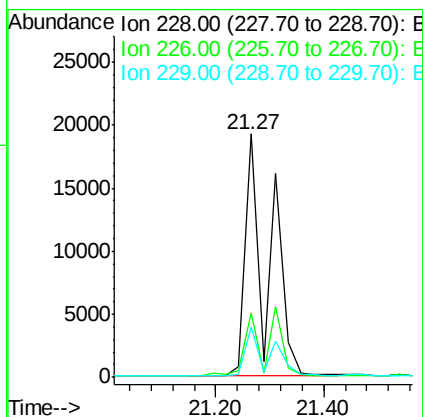
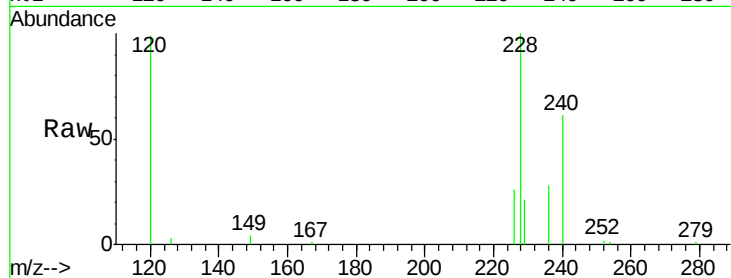




#37
Chrysene
 Concen: 0.91 ng
 RT: 21.27 min Scan# 1010
 Delta R.T. -0.05 min
 Lab File: BE091874.D
 Acq: 26 May 2016 00:52

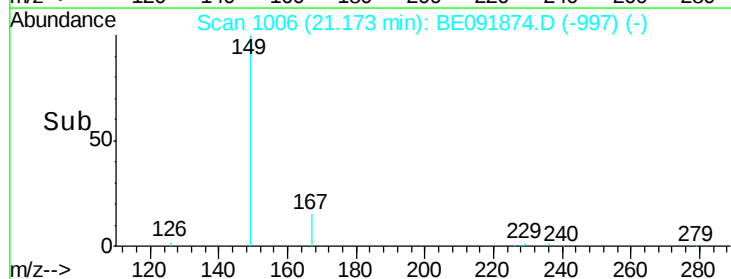
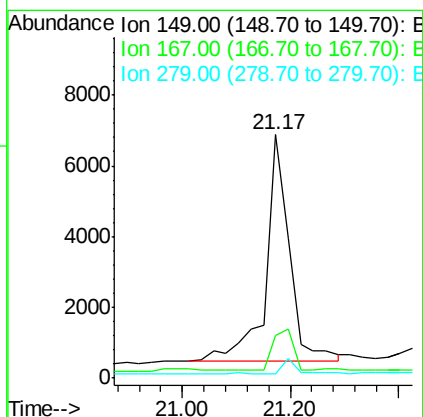
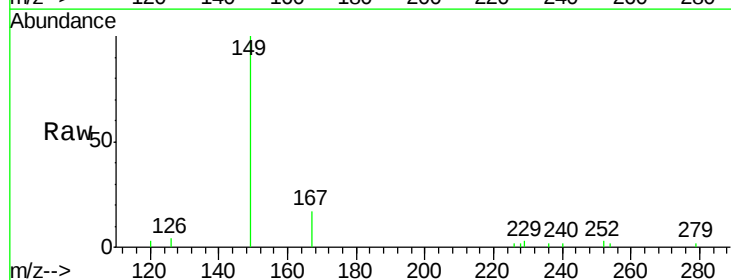
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

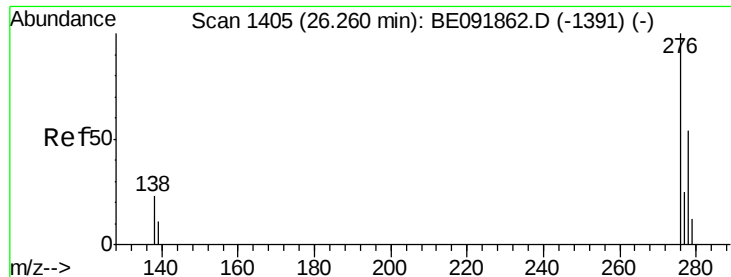
Tgt Ion: 228 Resp: 55685
 Ion Ratio Lower Upper
 228 100
 226 26.2 27.0 40.6#
 229 20.6 13.8 20.8



#38
Bis(2-ethylhexyl)phthalate
 Concen: 0.75 ng
 RT: 21.17 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BE091874.D
 Acq: 26 May 2016 00:52

Tgt Ion: 149 Resp: 19566
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 279 0.0 0.0 0.0





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng

RT: 26.26 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

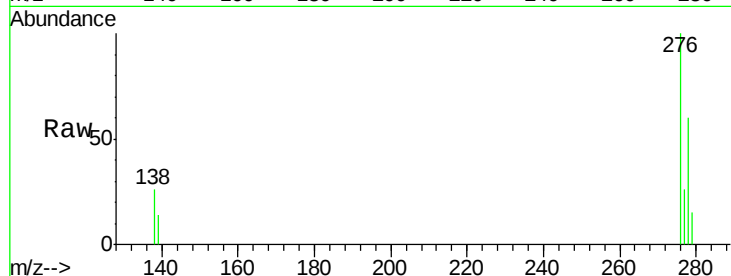
Tgt Ion: 276 Resp: 26842

Ion Ratio Lower Upper

276 100

138 24.9 19.7 29.5

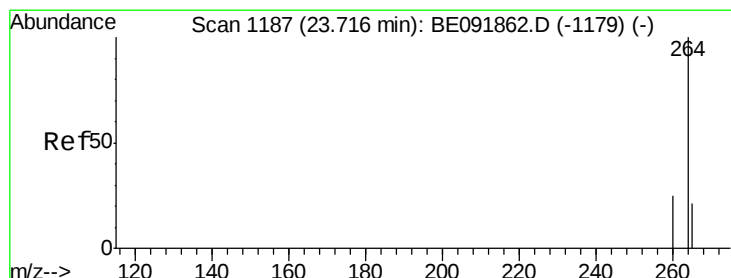
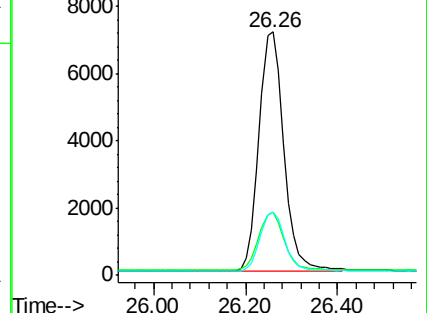
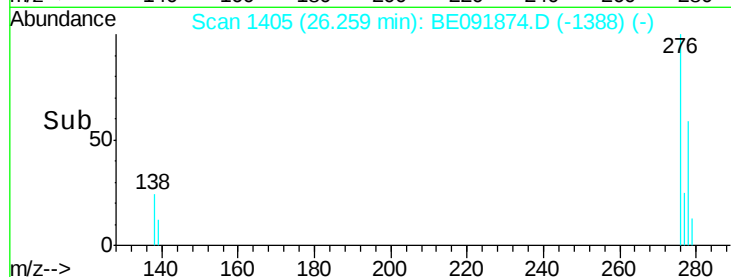
277 24.7 20.1 30.1



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: 23.71 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

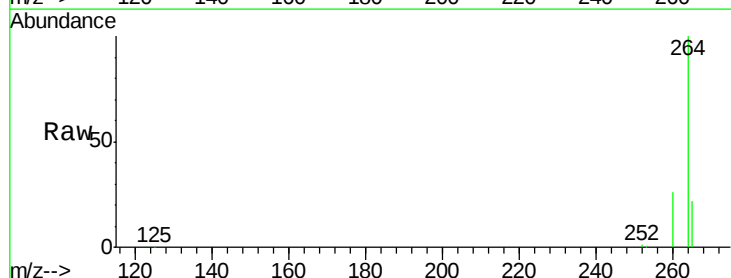
Tgt Ion: 264 Resp: 238154

Ion Ratio Lower Upper

264 100

260 25.7 20.3 30.5

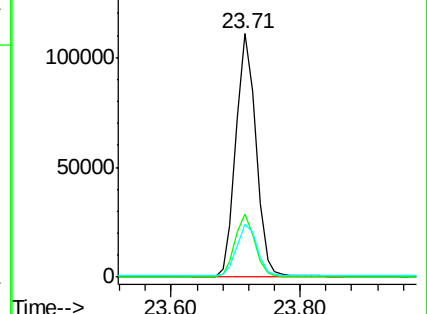
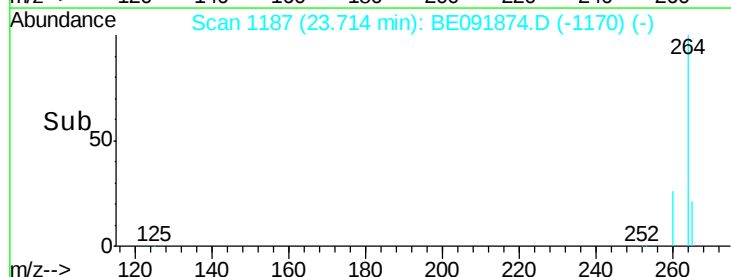
265 21.5 17.6 26.4

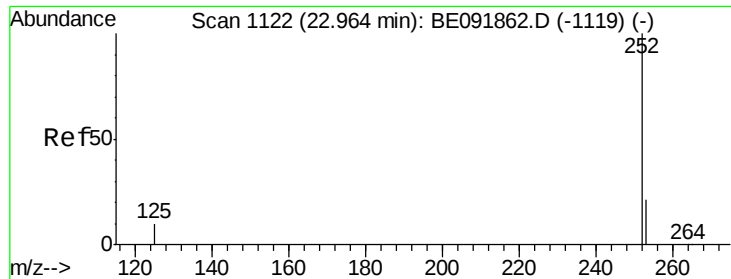


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.36 ng

RT: 22.96 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

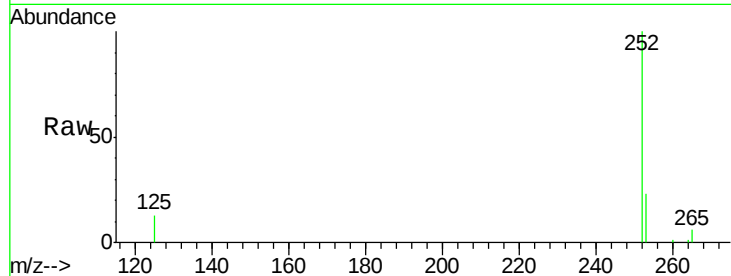
Tgt Ion:252 Resp: 23428

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

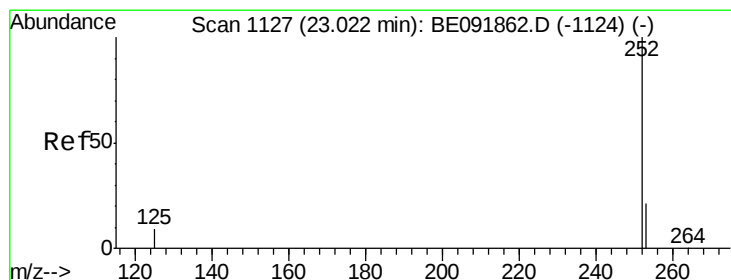
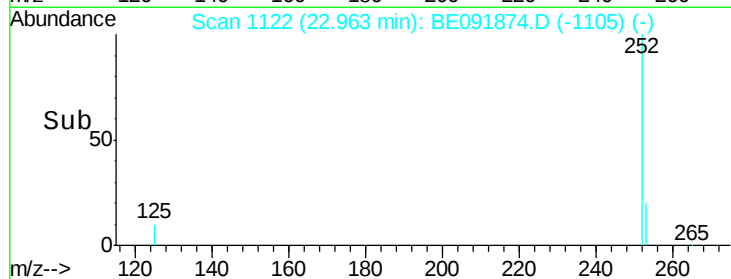
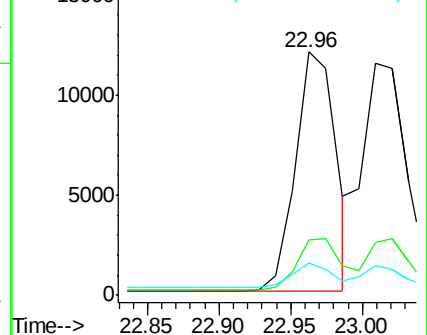
125 13.1 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 0.42 ng

RT: 23.01 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

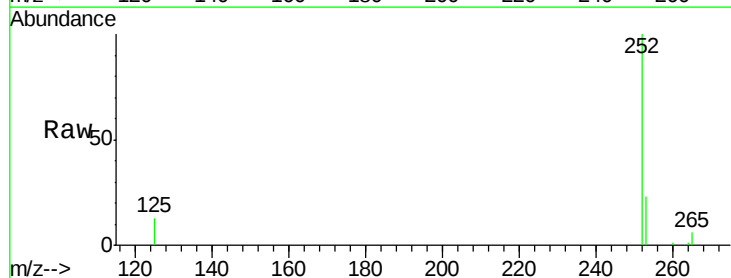
Tgt Ion:252 Resp: 24414

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.2

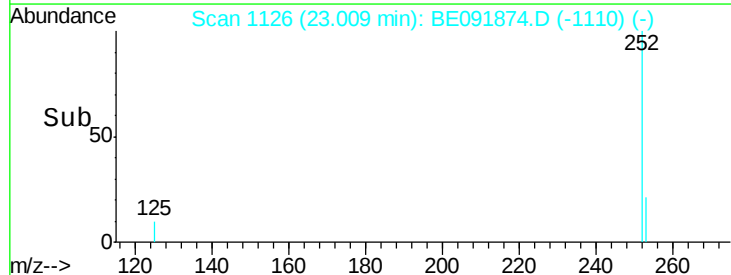
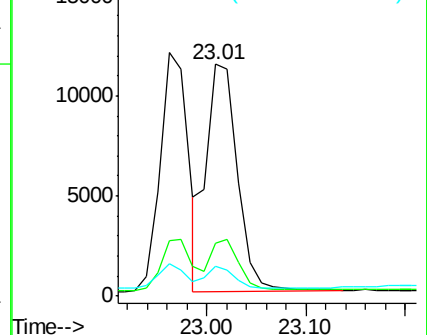
125 12.8 8.3 12.5#

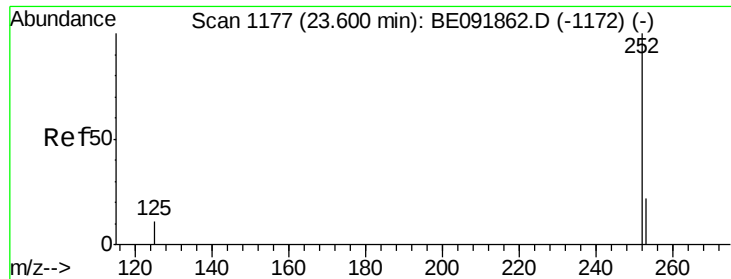


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.40 ng

RT: 23.60 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

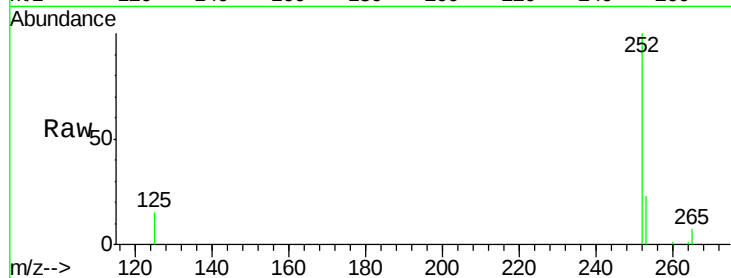
Tgt Ion:252 Resp: 23189

Ion Ratio Lower Upper

252 100

253 23.4 18.9 28.3

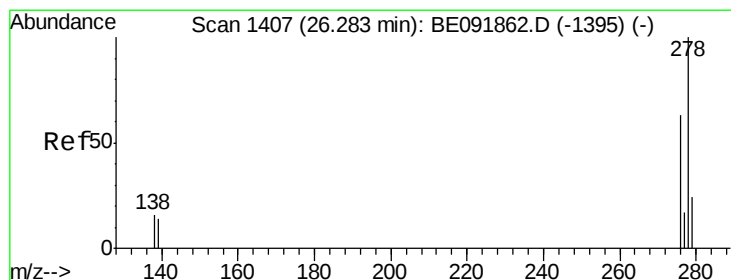
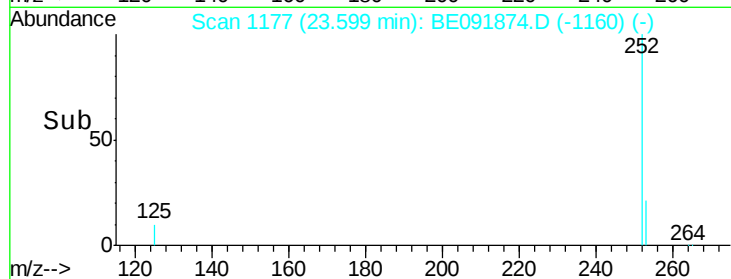
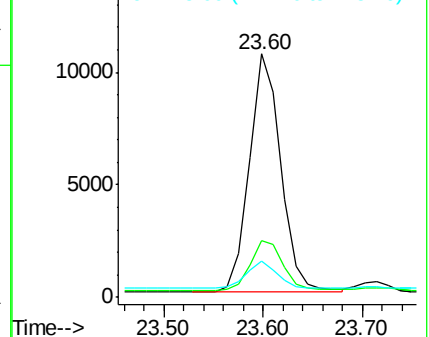
125 14.8 10.5 15.7



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: 0.39 ng

RT: 26.28 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE091874.D

Acq: 26 May 2016 00:52

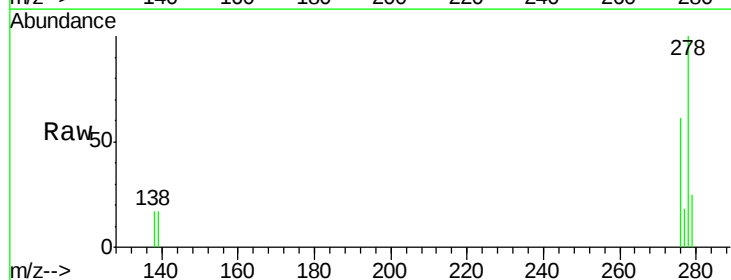
Tgt Ion:278 Resp: 22035

Ion Ratio Lower Upper

278 100

139 17.3 12.6 18.8

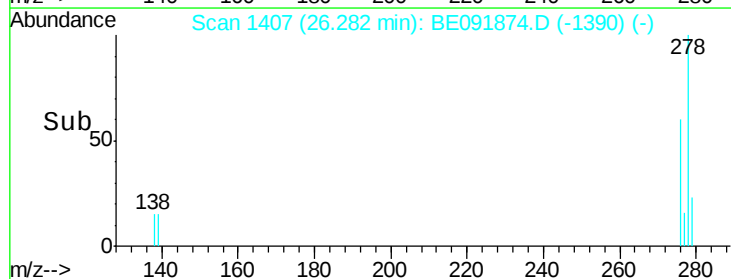
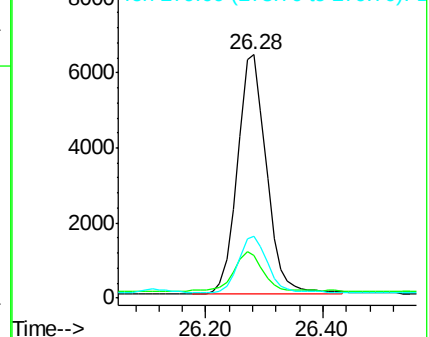
279 25.5 20.0 30.0

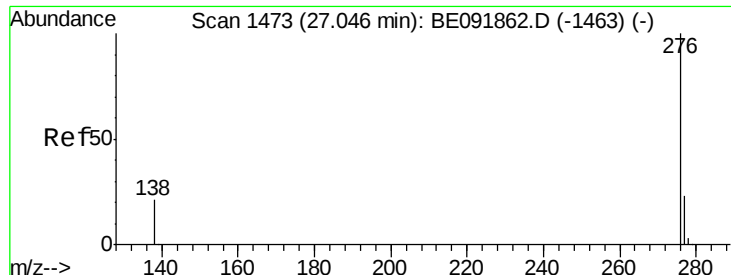


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.40 ng

RT: 27.05 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BE091874.D

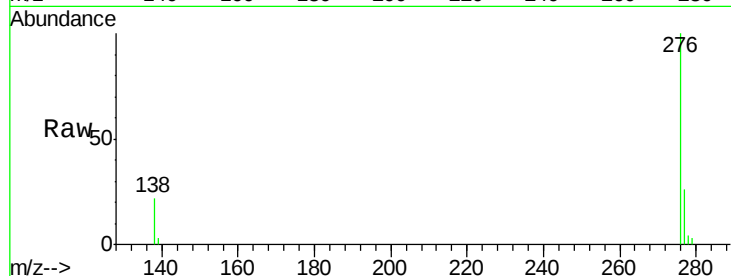
Acq: 26 May 2016 00:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion: 276 Resp: 22504

Ion Ratio Lower Upper

276 100

277 25.7 19.5 29.3

138 22.3 17.7 26.5

