

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091886.D
 Acq On : 7 Jun 2016 20:20
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jun 08 07:15:16 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 17:14:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	21760	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	98985	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	58781	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	158025	5.00	ng	0.00
31) Chrysene-d12	21.30	240	147458	5.00	ng	0.00
40) Perylene-d12	23.71	264	198245	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.37	112	1930	0.42	ng	0.00
5) Phenol-d6	6.95	99	2346	0.41	ng	0.00
9) Nitrobenzene-d5	8.91	82	2744	0.40	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	652	0.39	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	7443	0.42	ng	0.00
34) Terphenyl-d14	19.74	244	12961	0.44	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.31	88	1356	0.41	ng	95
3) n-Nitrosodimethylamine	3.61	42	1446	0.40	ng	# 90
6) bis(2-Chloroethyl)ether	7.20	93	2460	0.40	ng	97
7) n-Nitroso-di-n-propylamine	8.57	70	1895	0.39	ng	# 97
10) Nitrobenzene	8.96	77	2416	0.40	ng	# 99
11) bis(2-Chloroethoxy)methane	9.98	93	3997	0.40	ng	# 68
12) Naphthalene	10.59	128	9033	0.42	ng	96
13) Hexachlorobutadiene	10.88	225	1348	0.42	ng	99
14) 2-Methylnaphthalene	12.22	142	5714	0.41	ng	93
18) Acenaphthylene	14.10	152	10104	0.38	ng	99
19) 2,6-Dinitrotoluene	13.96	165	1021	0.39	ng	91
20) Acenaphthene	14.44	154	6624	0.41	ng	99
21) 2,4-Dinitrotoluene	14.76	165	1139	0.43	ng	# 89
22) Fluorene	15.42	166	8147	0.41	ng	100
23) 4-Chlorophenyl-phenylether	15.42	204	4145	0.43	ng	97
25) 4-Bromophenyl-phenylether	16.31	248	2449	0.43	ng	99
26) Hexachlorobenzene	16.44	284	2567	0.44	ng	100
27) Pentachlorophenol	16.78	266	784	0.45	ng	91
28) Phenanthrene	17.16	178	16275	0.44	ng	100
29) Anthracene	17.26	178	13981	0.43	ng	99
30) Fluoranthene	19.17	202	17027	0.43	ng	100
32) Benzidine	19.38	184	3509	0.39	ng	# 95
33) Pyrene	19.53	202	18856	0.51	ng	100
35) Benzo(a)anthracene	21.27	228	94750m	0.35	ng	
36) 3,3'-Dichlorobenzidine	21.21	252	4142	0.44	ng	# 79
37) Chrysene	21.33	228	53390m	0.36	ng	
38) Bis(2-ethylhexyl)phthalate	21.19	149	8497	0.43	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.26	276	20562	0.41	ng	# 74
41) Benzo(b)fluoranthene	22.98	252	20303	0.42	ng	98
42) Benzo(k)fluoranthene	23.03	252	20548	0.41	ng	98
43) Benzo(a)pyrene	23.59	252	18955	0.42	ng	95
44) Dibenzo(a,h)anthracene	26.31	278	17072	0.40	ng	# 96
45) Benzo(a,h,i)perylene	27.07	276	18265	0.41	ng	# 94

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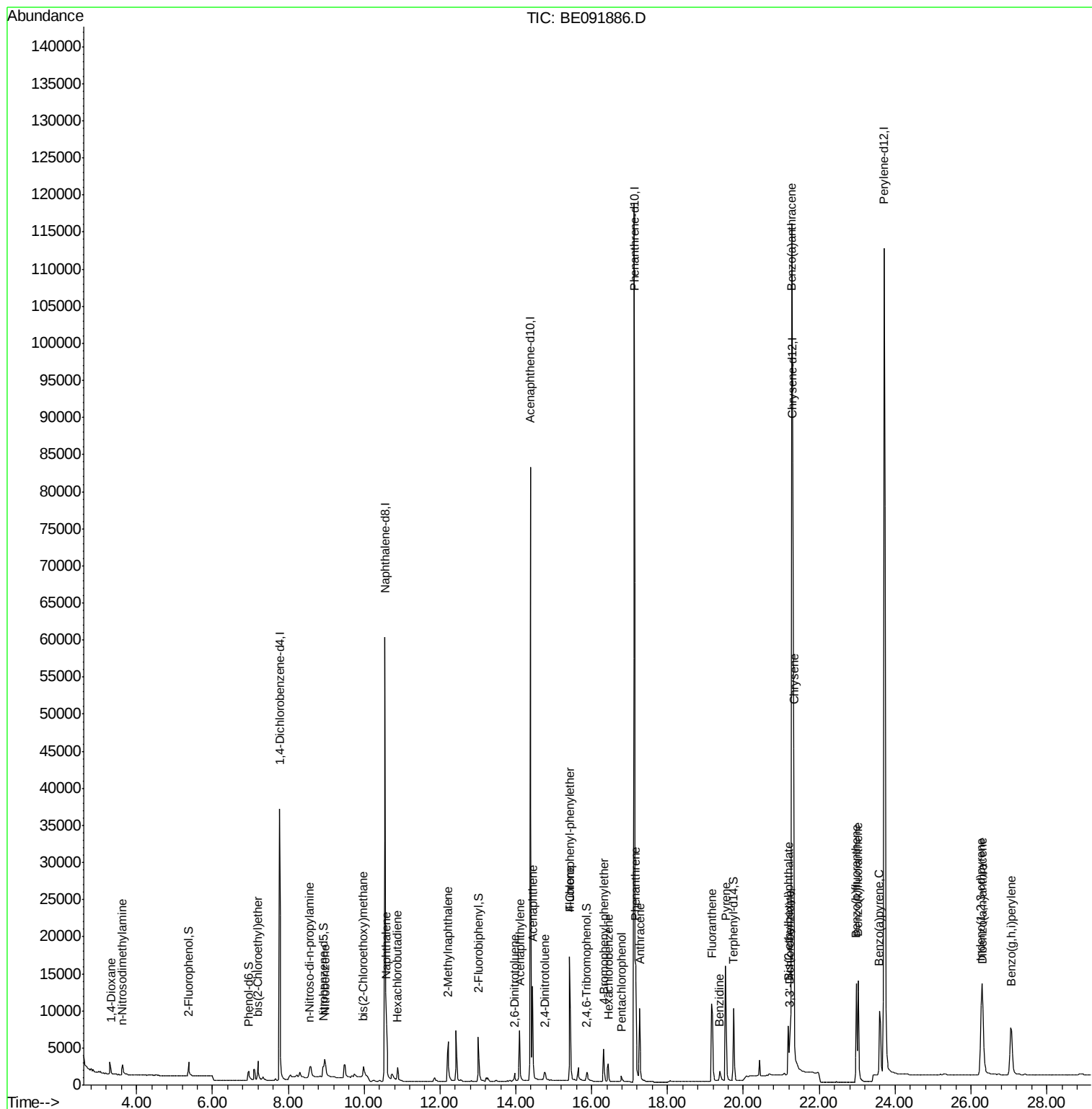
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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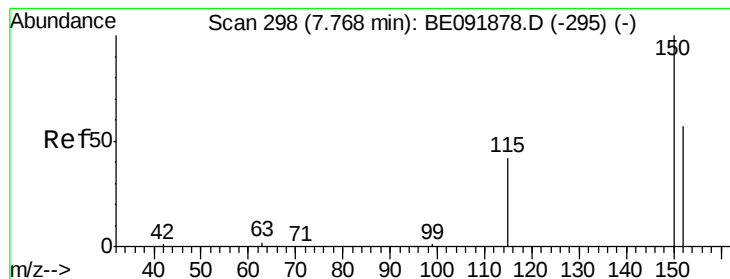
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 298

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

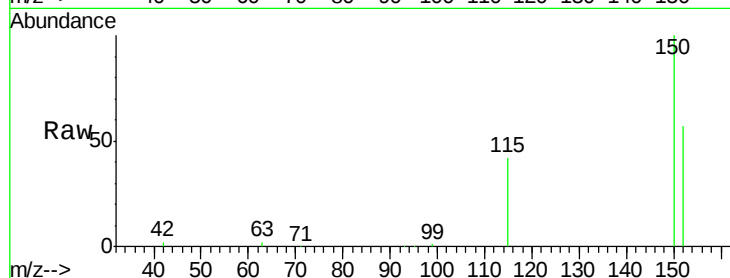
Tot Ion:152 Resp: 21760

Ion Ratio Lower Upper

152 100

150 175.2 123.9 185.9

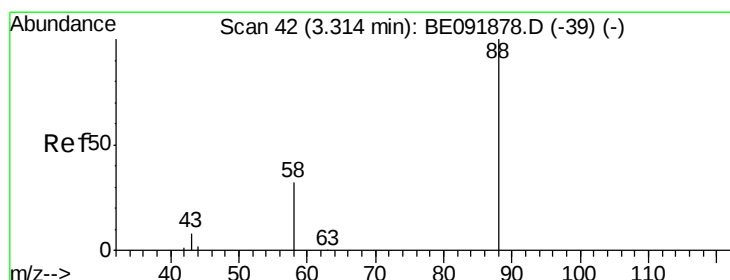
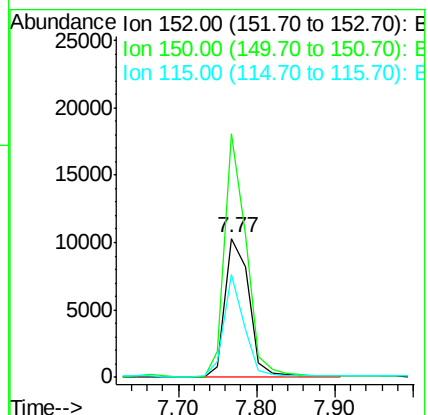
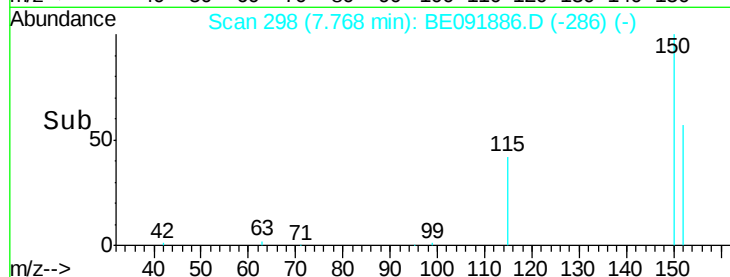
115 74.1 48.3 72.5#



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: 0.41 ng

RT: 3.31 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

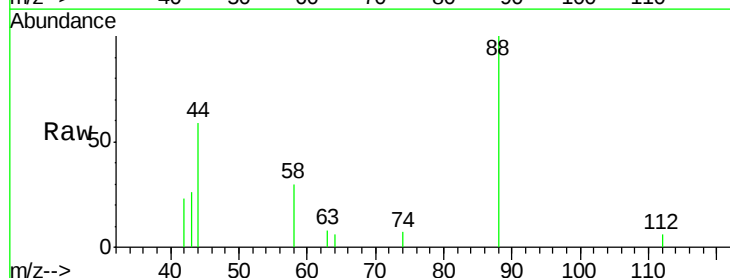
Tgt Ion: 88 Resp: 1356

Ion Ratio Lower Upper

88 100

58 81.5 63.0 94.4

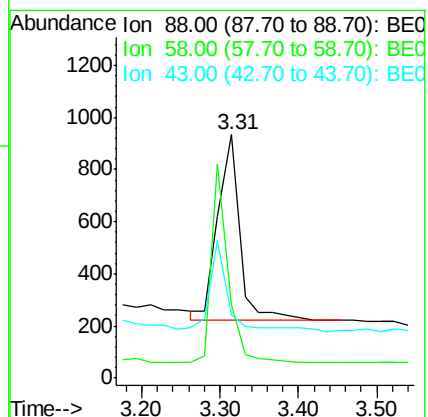
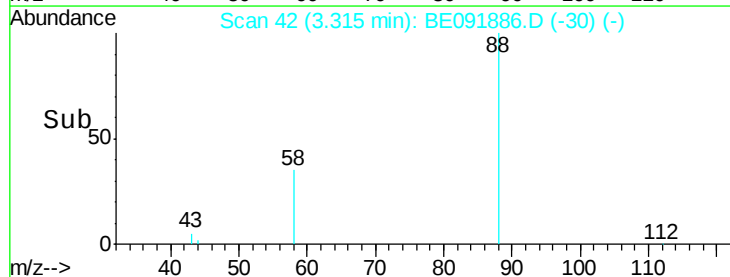
43 41.7 29.1 43.7

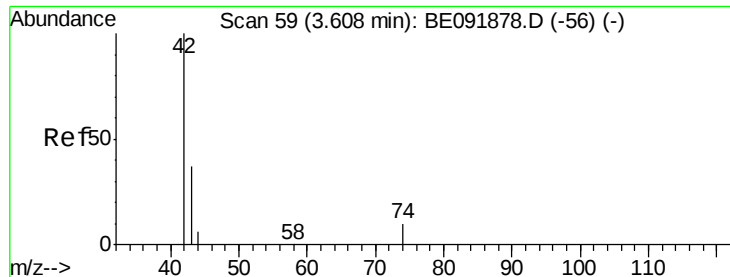


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.40 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

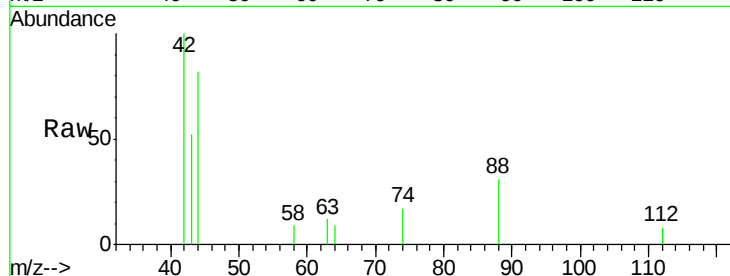
Tot Ion: 42 Resp: 1446

Ion Ratio Lower Upper

42 100

74 105.5 93.4 140.0

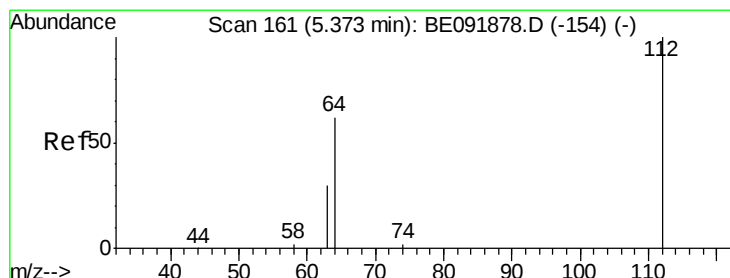
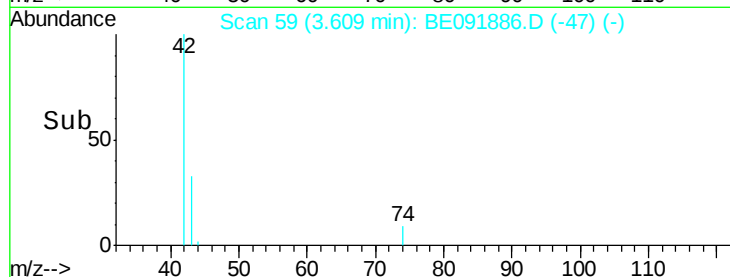
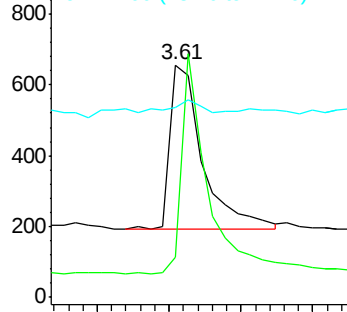
44 8.4 5.0 7.6#



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: 0.42 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

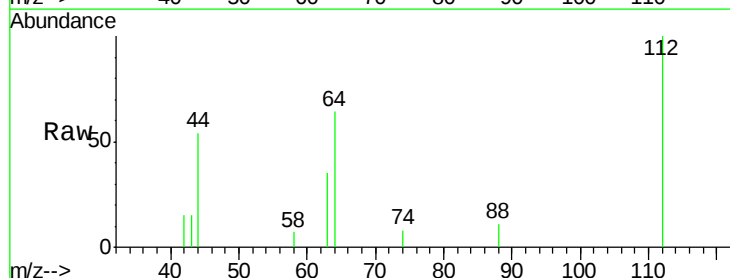
Tgt Ion: 112 Resp: 1930

Ion Ratio Lower Upper

112 100

64 67.5 53.7 80.5

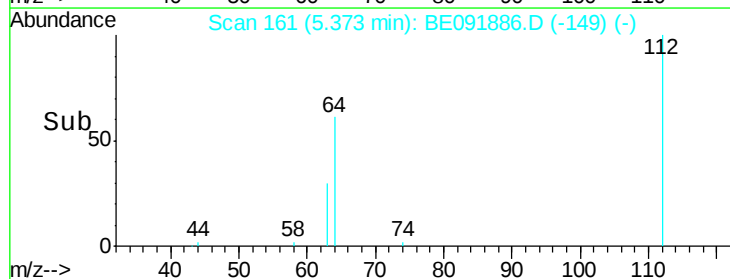
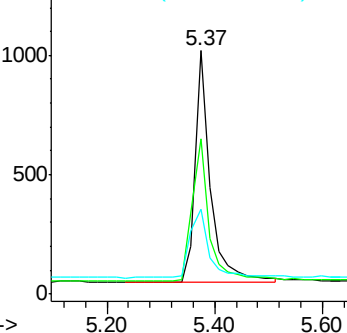
63 36.9 29.5 44.3

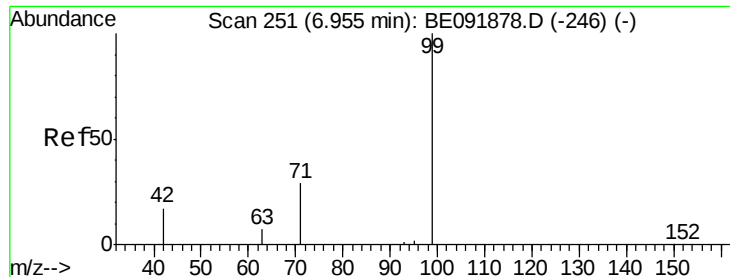


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.41 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

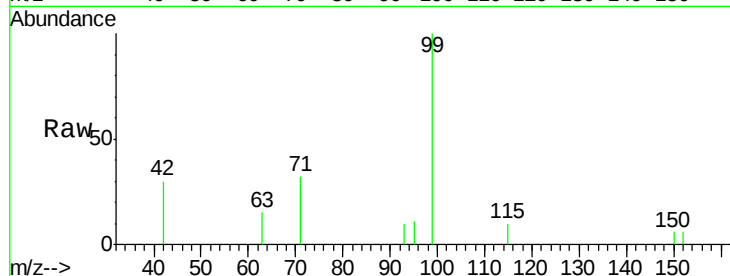
Tot Ion: 99 Resp: 2346

Ion Ratio Lower Upper

99 100

42 27.0 19.6 29.4

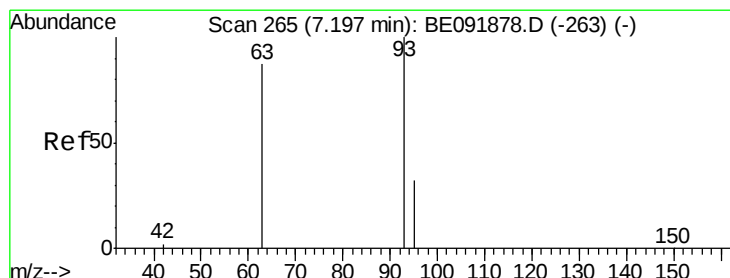
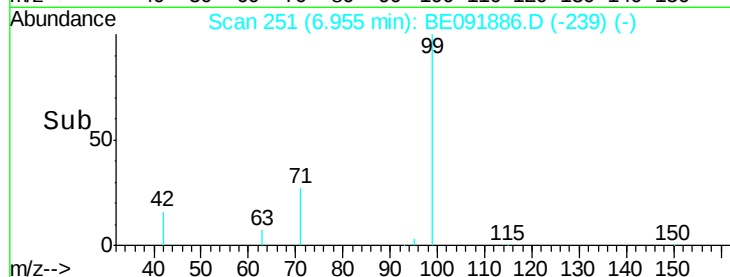
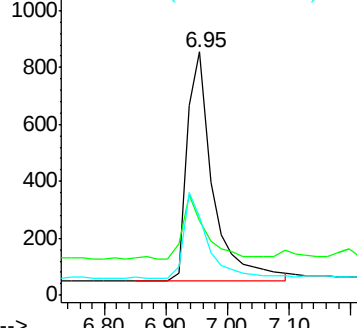
71 34.8 28.1 42.1



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: 0.40 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

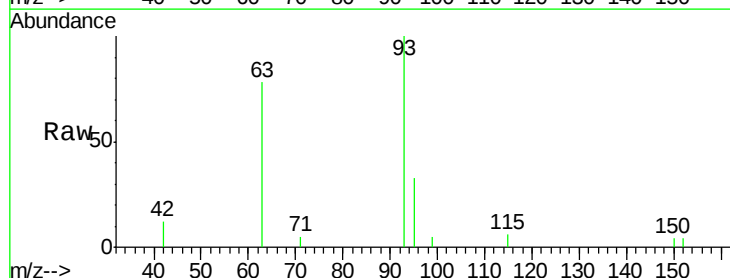
Tgt Ion: 93 Resp: 2460

Ion Ratio Lower Upper

93 100

63 79.6 66.2 99.4

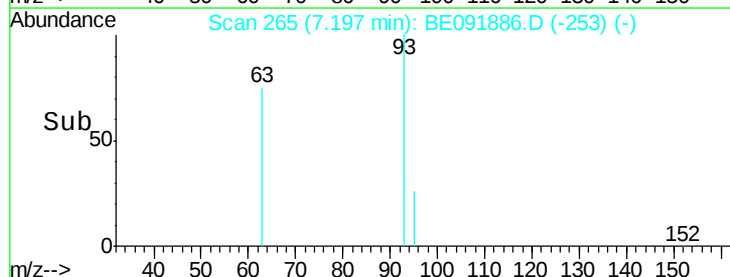
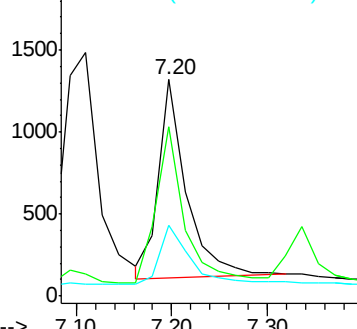
95 32.8 25.5 38.3

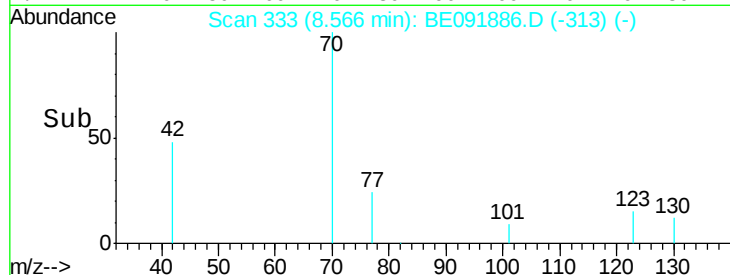
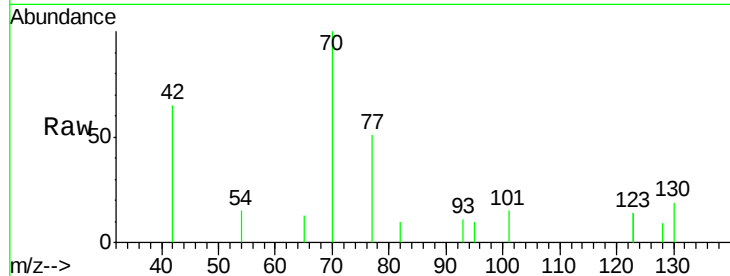
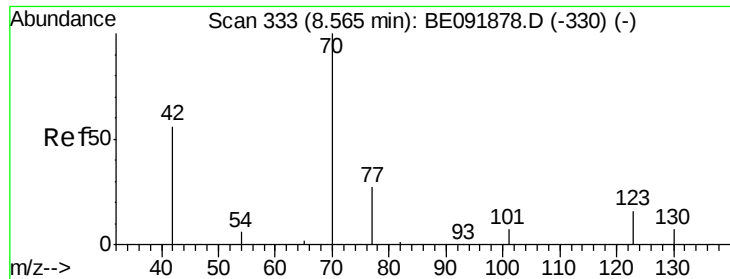


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.39 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampled :

SSTDCCC0.4

Tot Ion: 70 Resp: 1895

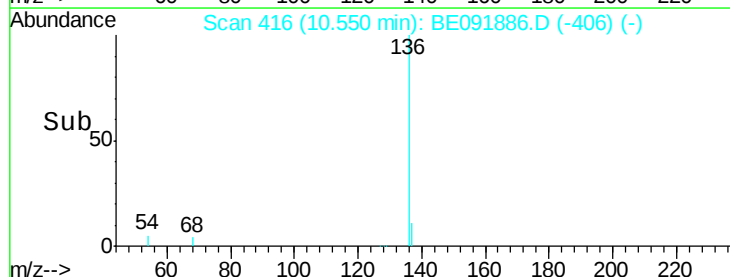
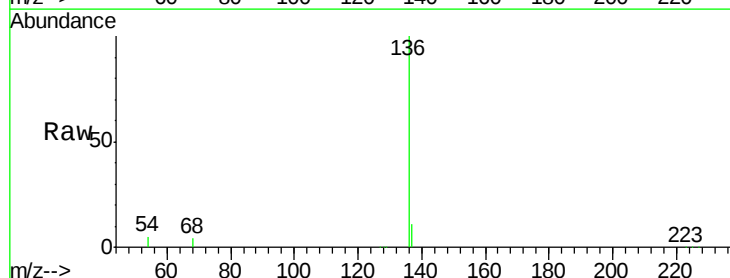
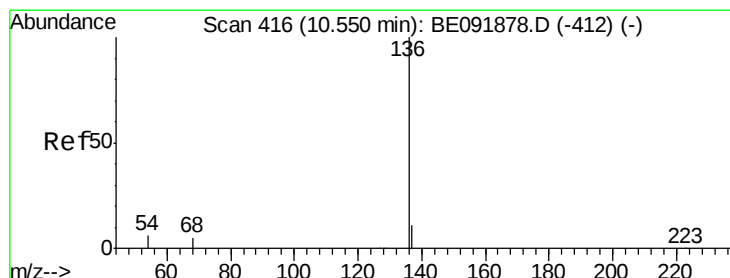
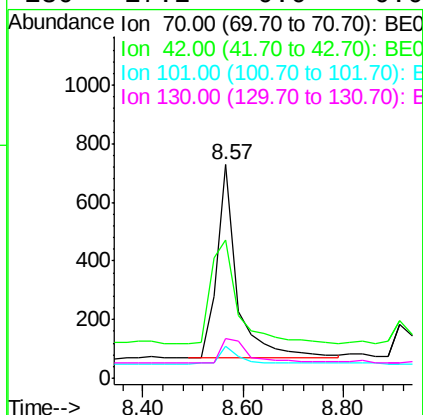
Ion Ratio Lower Upper

70 100

42 70.9 58.4 87.6

101 9.5 6.4 9.6

130 17.2 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Tgt Ion: 136 Resp: 98985

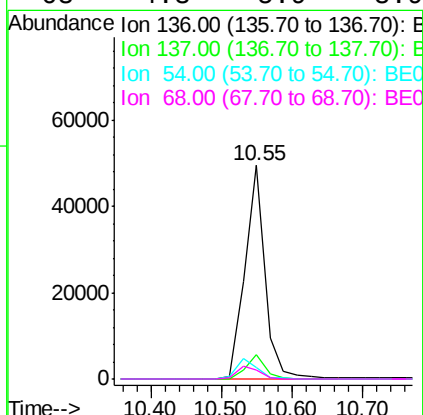
Ion Ratio Lower Upper

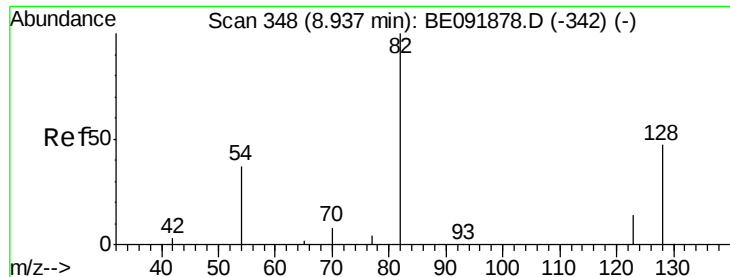
136 100

137 11.4 8.3 12.5

54 5.4 8.2 12.4#

68 4.3 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.40 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

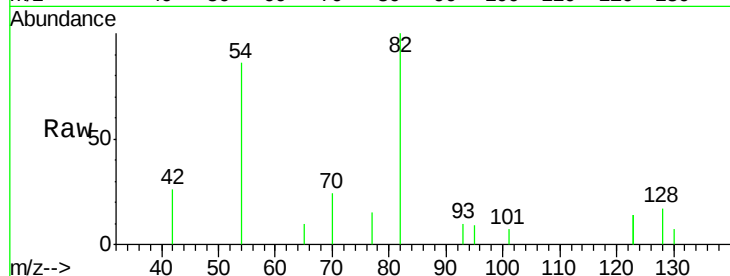
Tot Ion: 82 Resp: 2744

Ion Ratio Lower Upper

82 100

128 16.8 39.5 59.3#

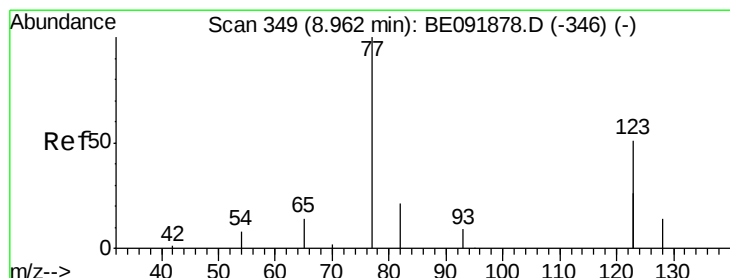
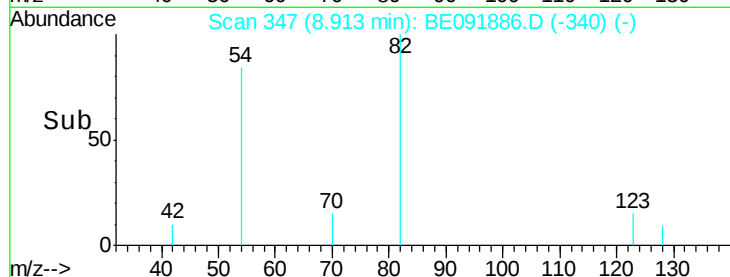
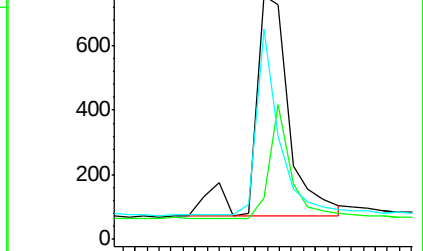
54 86.4 30.3 45.5#



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: 0.40 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

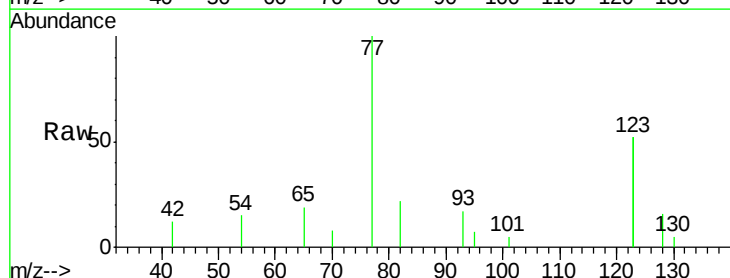
Tgt Ion: 77 Resp: 2416

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

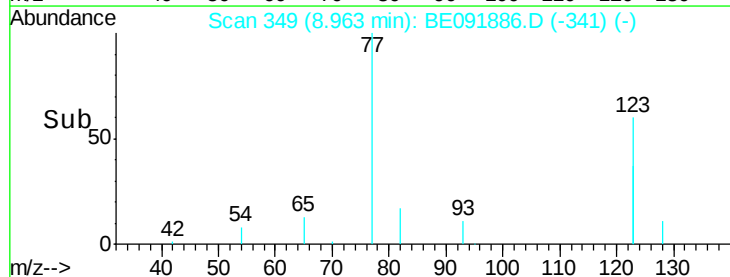
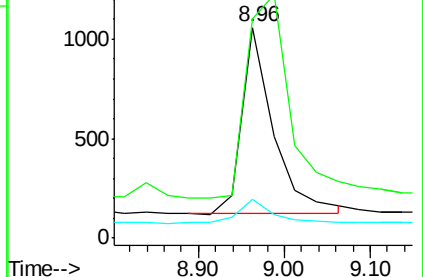
65 14.1 11.1 16.7

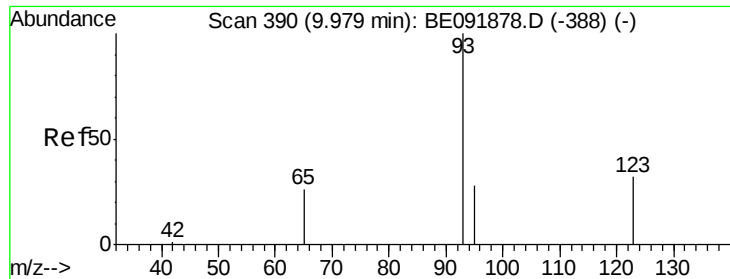


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

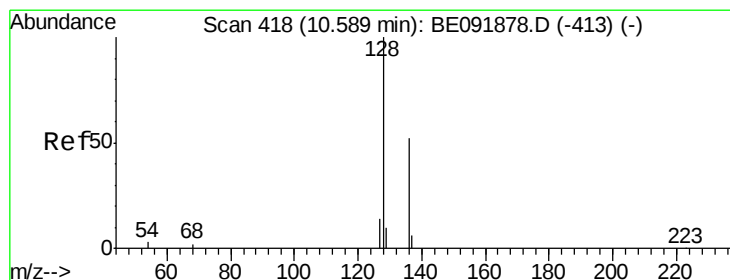
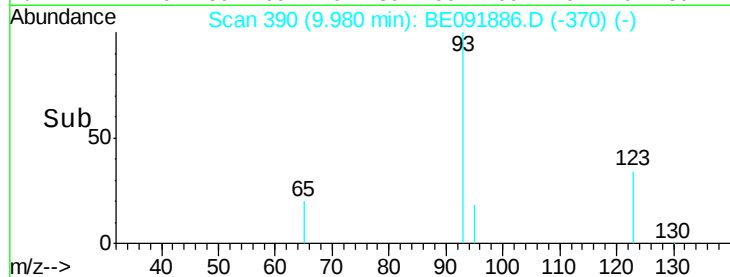
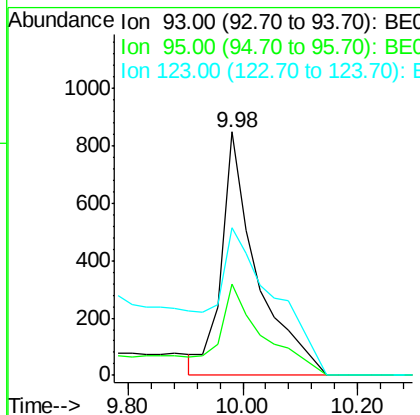
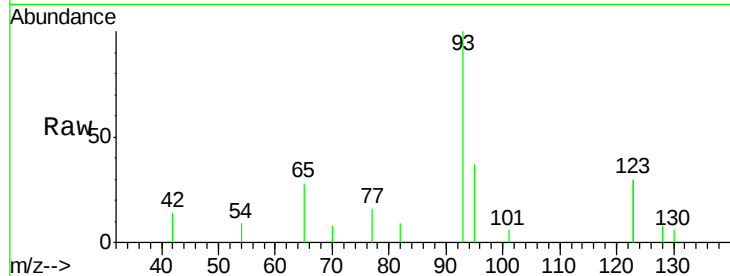




#11
bis(2-Chloroethoxy)methane
Concen: 0.40 ng
RT: 9.98 min Scan# 390
Delta R.T. 0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

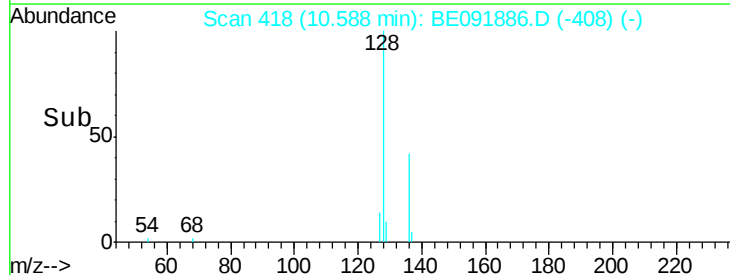
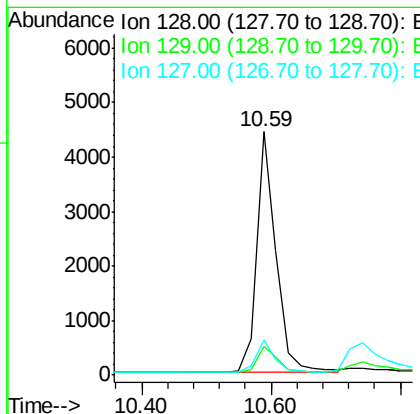
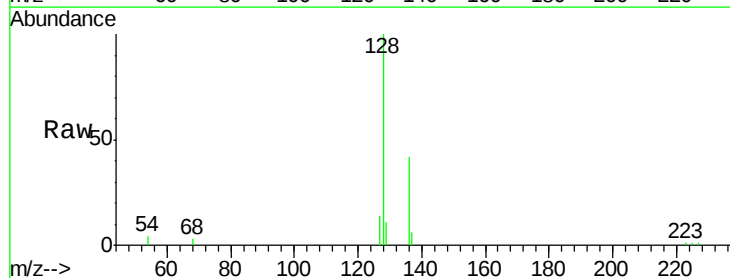
Instrument :
BNA_E
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SSTDCCC0.4

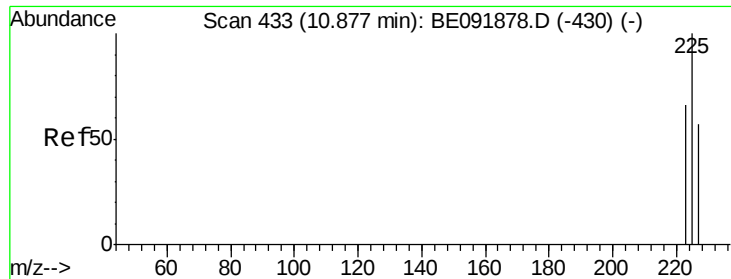
Tot Ion: 93 Resp: 3997
Ion Ratio Lower Upper
93 100
95 45.4 57.6 86.4#
123 89.5 100.2 150.4#



#12
Naphthalene
Concen: 0.42 ng
RT: 10.59 min Scan# 418
Delta R.T. -0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

Tgt Ion: 128 Resp: 9033
Ion Ratio Lower Upper
128 100
129 11.5 10.4 15.6
127 14.5 10.2 15.2

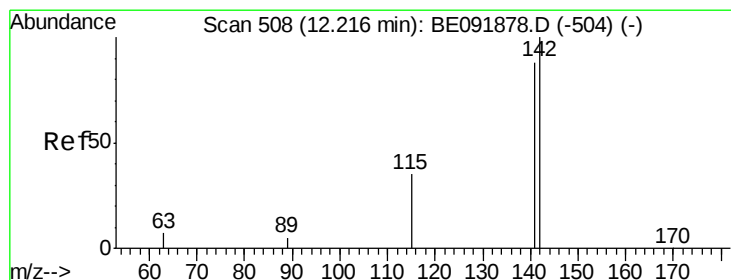
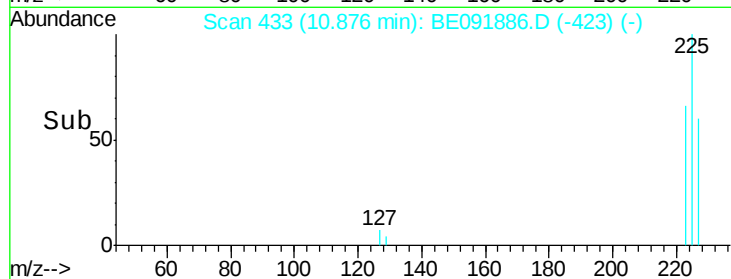
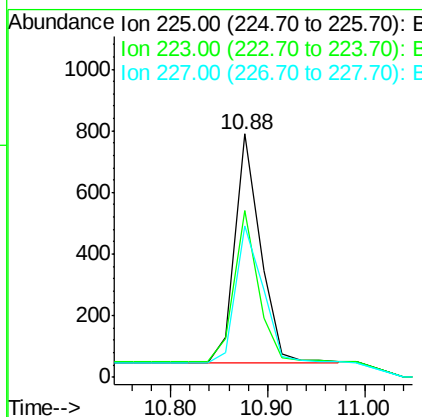
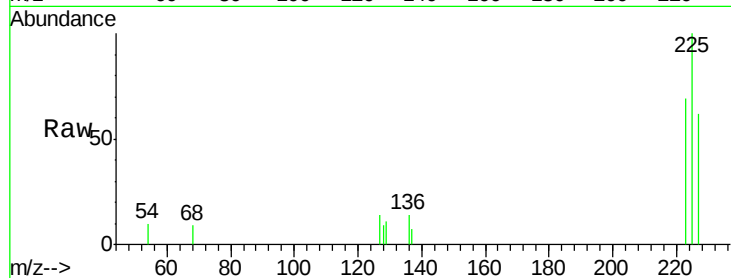




#13
Hexachlorobutadiene
Concen: 0.42 ng
RT: 10.88 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

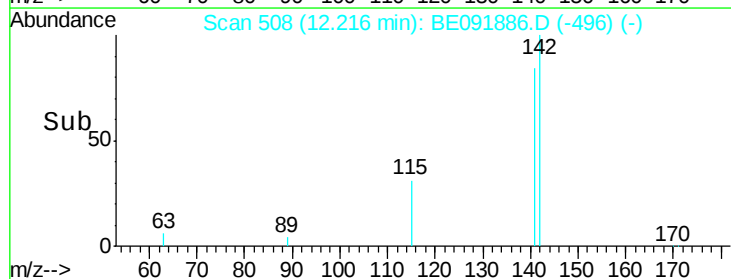
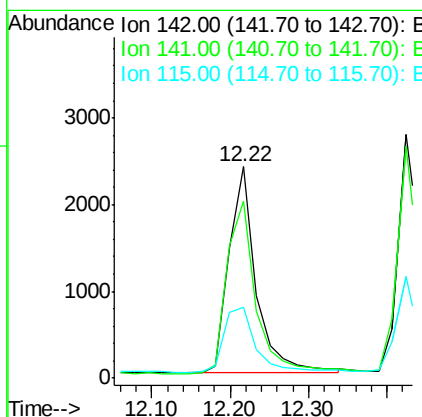
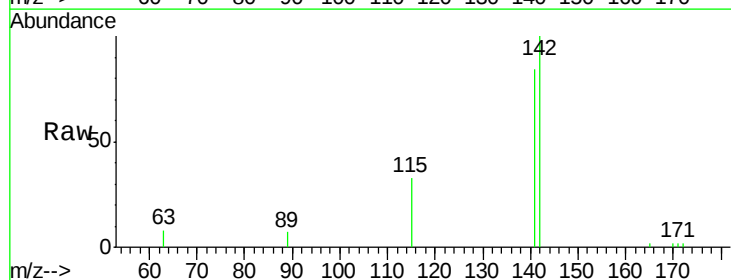
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

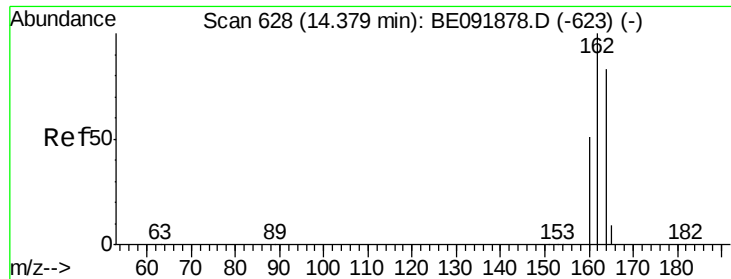
Tot Ion:225 Resp: 1348
Ion Ratio Lower Upper
225 100
223 62.2 49.8 74.8
227 64.2 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.22 min Scan# 508
Delta R.T. 0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

Tgt Ion:142 Resp: 5714
Ion Ratio Lower Upper
142 100
141 83.8 71.9 107.9
115 33.5 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

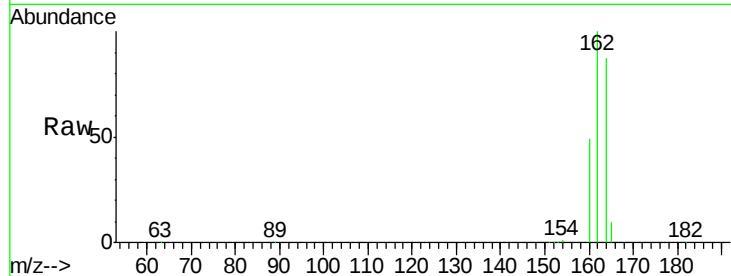
Tot Ion:164 Resp: 58781

Ion Ratio Lower Upper

164 100

162 115.4 71.8 107.8#

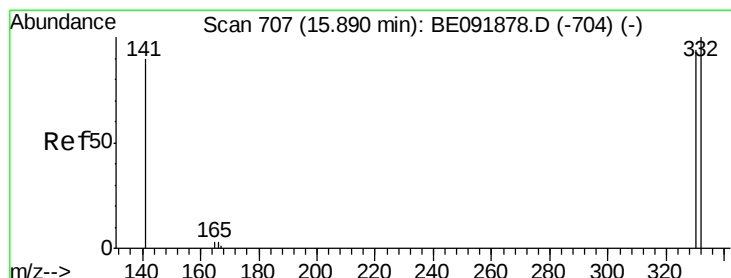
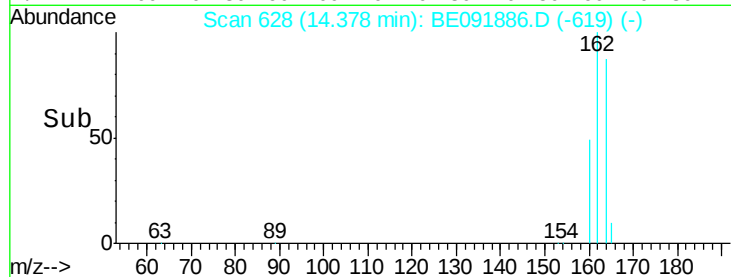
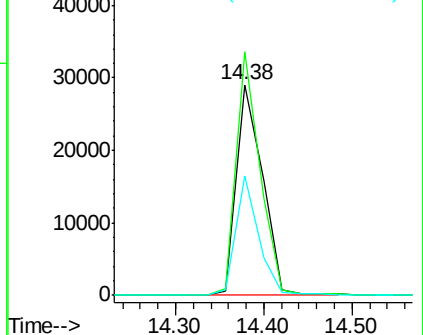
160 56.7 28.0 42.0#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.39 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

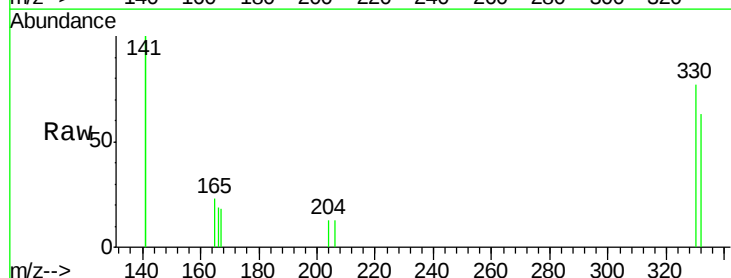
Tgt Ion:330 Resp: 652

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

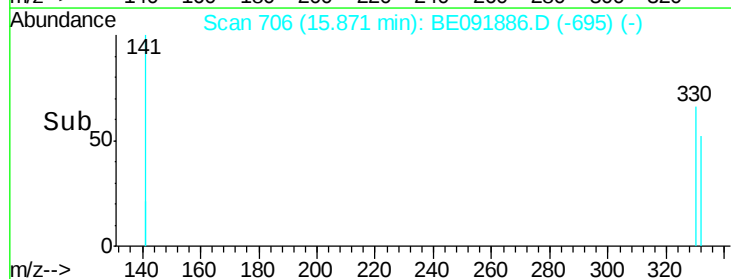
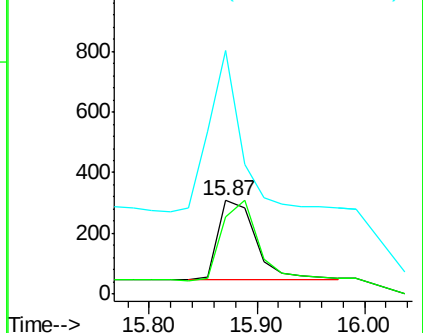
141 175.8 138.4 207.6

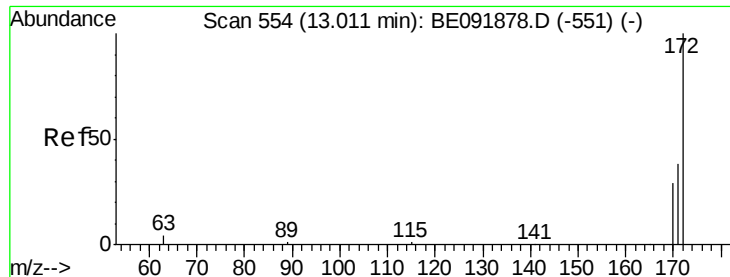


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

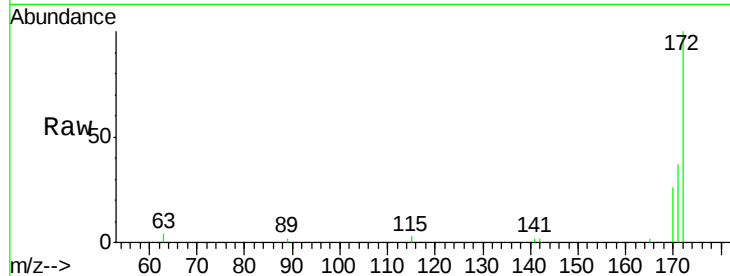




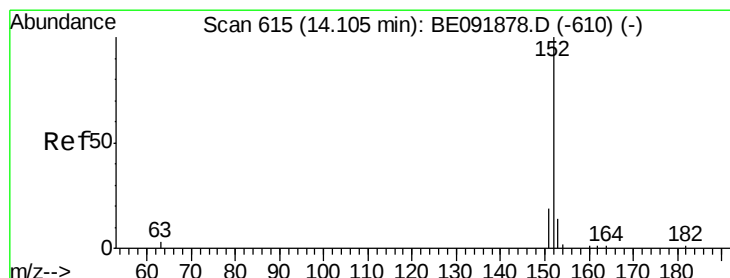
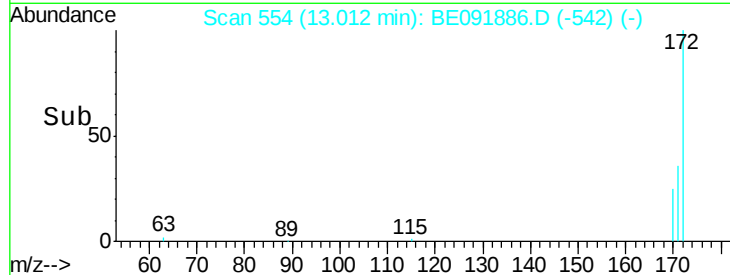
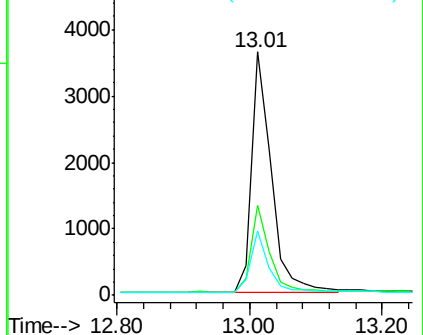
#17
2-Fluorobiphenyl
Concen: 0.42 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:172 Resp: 7443
Ion Ratio Lower Upper
172 100
171 37.0 24.3 36.5#
170 26.4 14.9 22.3#

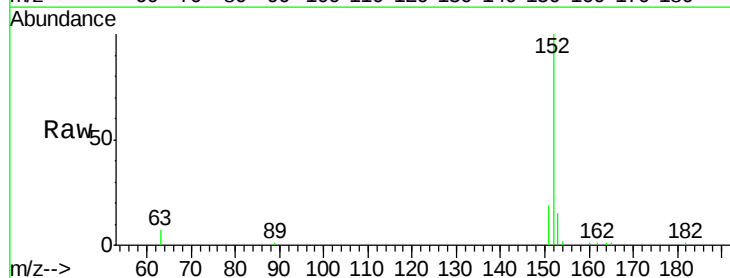


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

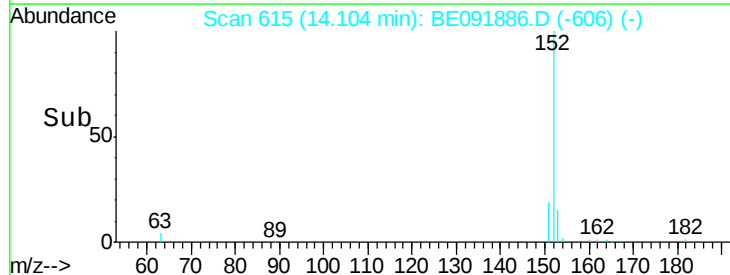
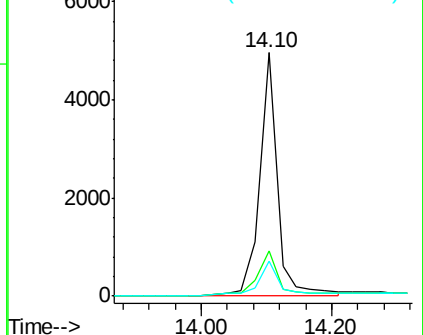


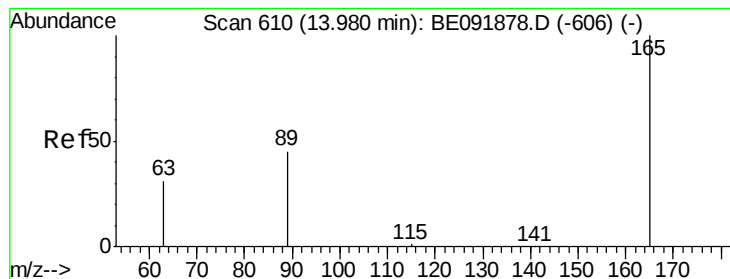
#18
Acenaphthylene
Concen: 0.38 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

Tgt Ion:152 Resp: 10104
Ion Ratio Lower Upper
152 100
151 24.1 19.4 29.2
153 18.8 14.4 21.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#19

2,6-Dinitrotoluene

Concen: 0.39 ng

RT: 13.96 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

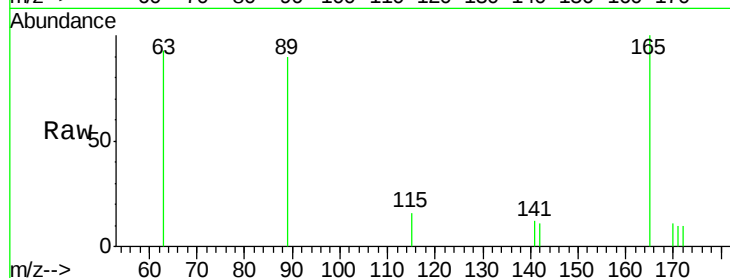
Tot Ion:165 Resp: 1021

Ion Ratio Lower Upper

165 100

63 88.3 65.9 98.9

89 83.3 59.1 88.7



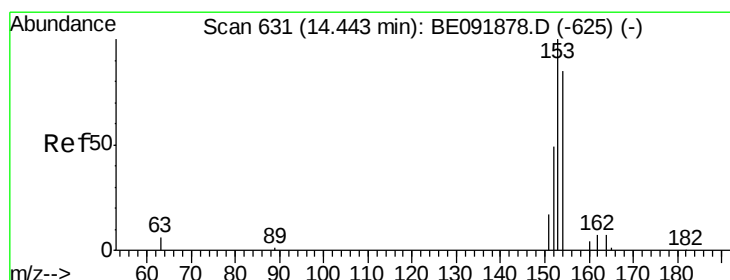
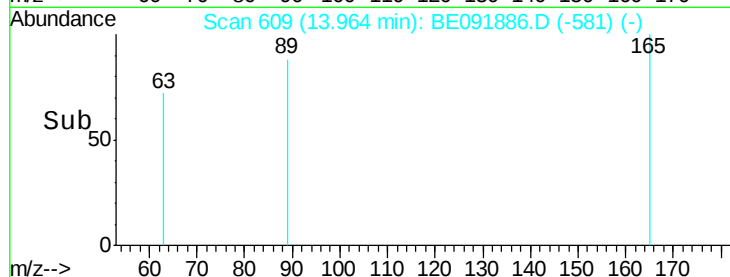
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

13.96

Time--> 13.80 14.00 14.20



#20

Acenaphthene

Concen: 0.41 ng

RT: 14.44 min Scan# 631

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

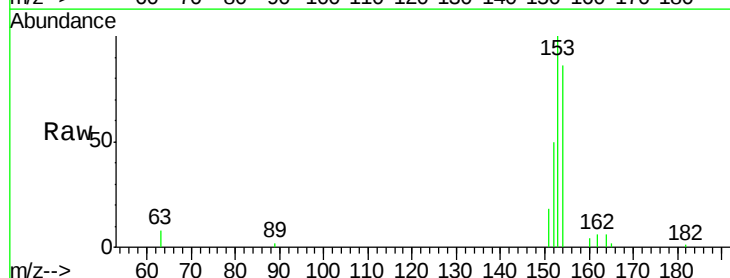
Tgt Ion:154 Resp: 6624

Ion Ratio Lower Upper

154 100

153 110.7 88.1 132.1

152 54.4 44.2 66.2



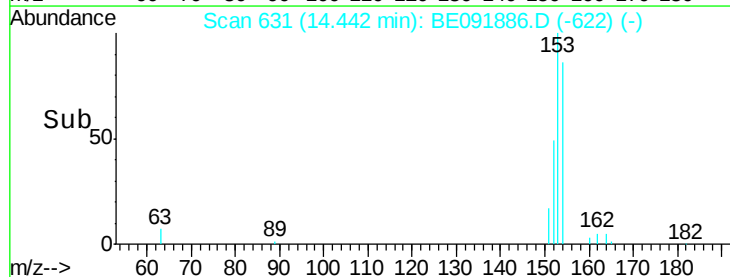
Abundance Ion 154.00 (153.70 to 154.70): E

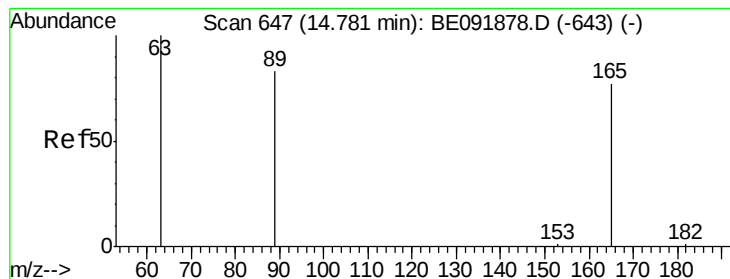
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.44

Time--> 14.30 14.40 14.50





#21

2,4-Dinitrotoluene

Concen: 0.43 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.02 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:165 Resp: 1139

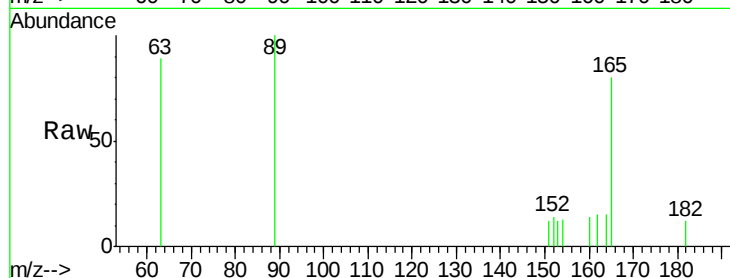
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 112.3 99.8 149.8

182 0.0 0.0 0.0

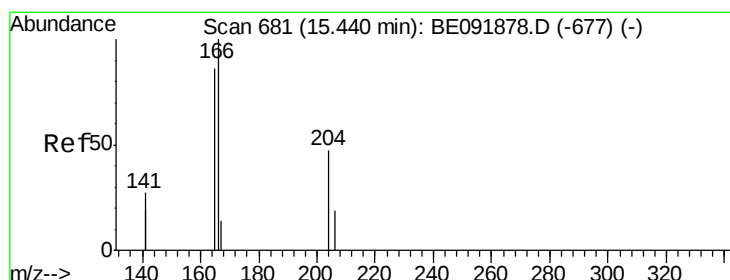
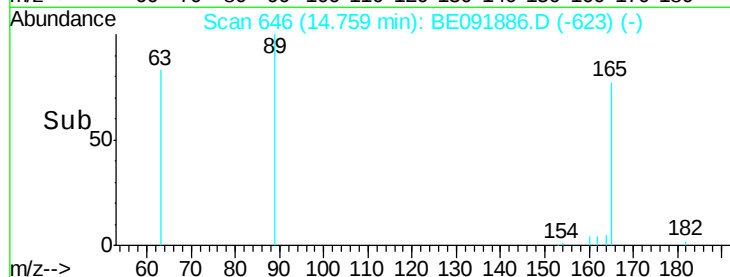
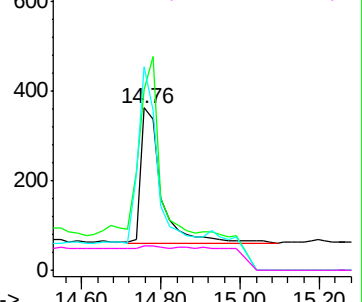


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.41 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

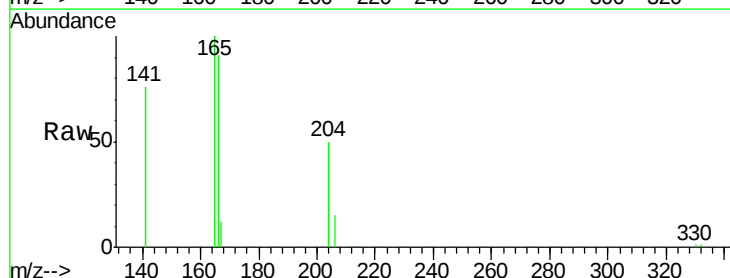
Tgt Ion:166 Resp: 8147

Ion Ratio Lower Upper

166 100

165 98.0 78.6 117.8

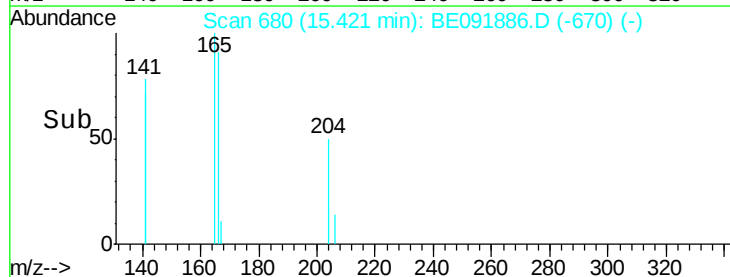
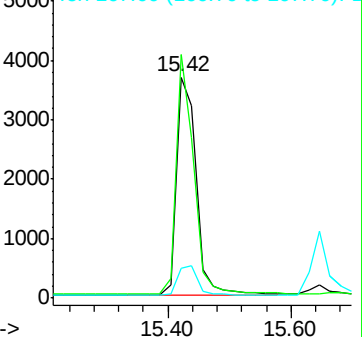
167 14.0 10.8 16.2

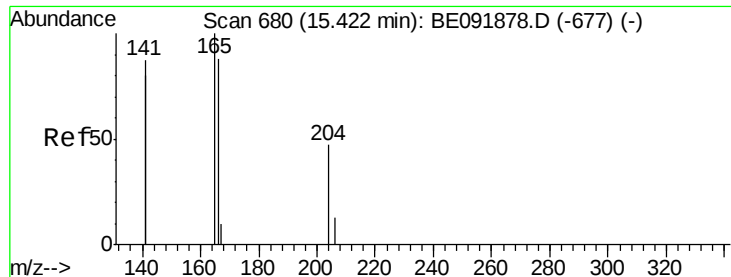


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

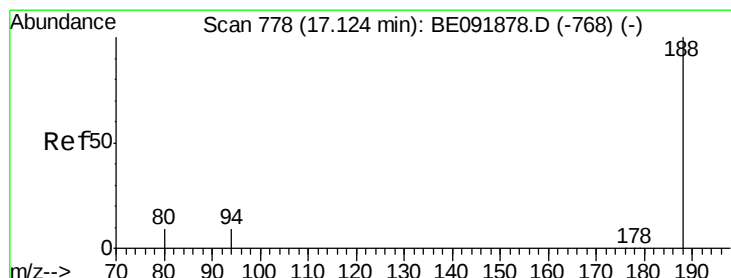
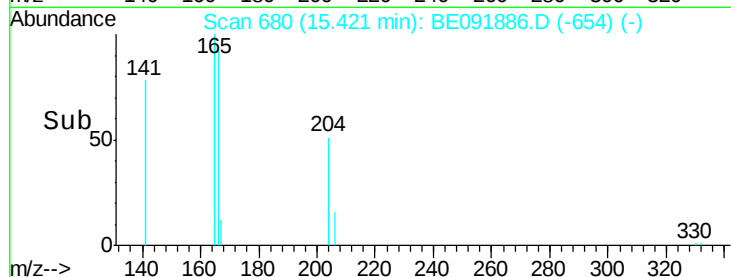
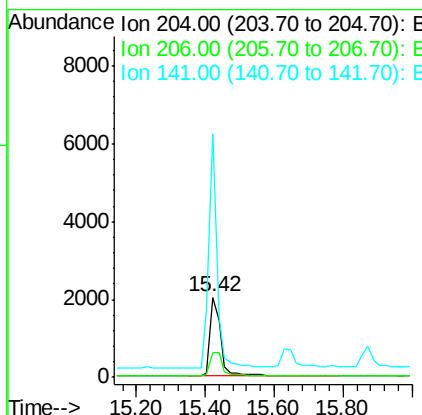
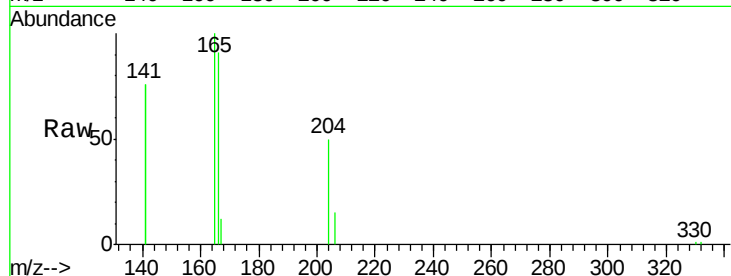




#23
4-Chlorophenyl-phenylether
Concen: 0.43 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

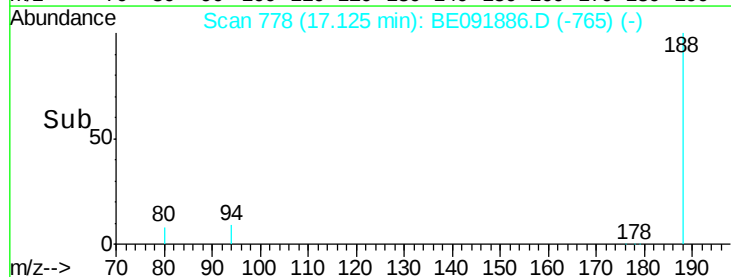
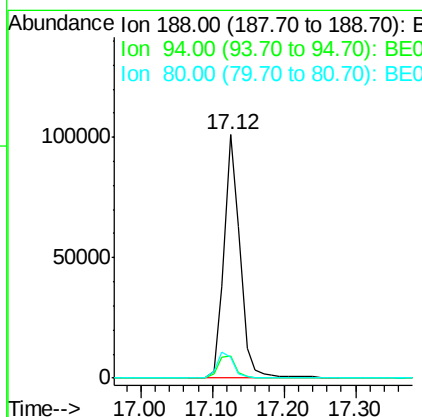
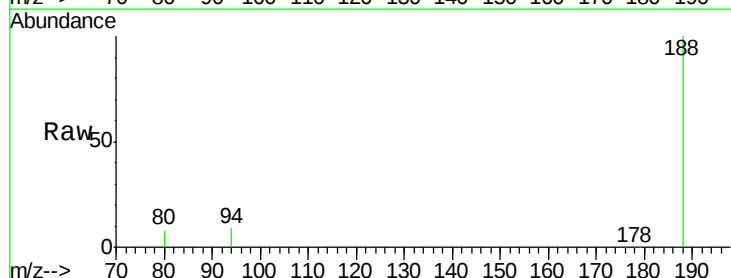
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

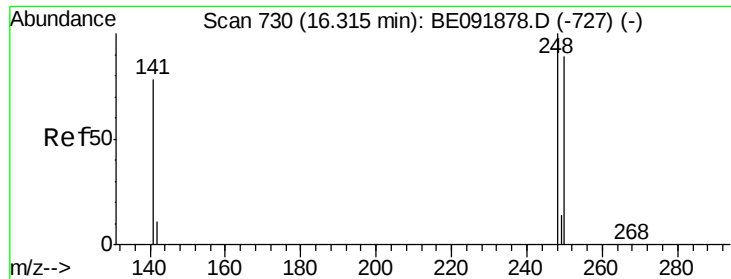
Tot Ion:204 Resp: 4145
Ion Ratio Lower Upper
204 100
206 33.8 27.8 41.6
141 240.5 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

Tgt Ion:188 Resp: 158025
Ion Ratio Lower Upper
188 100
94 8.9 4.1 6.1#
80 8.4 3.4 5.2#

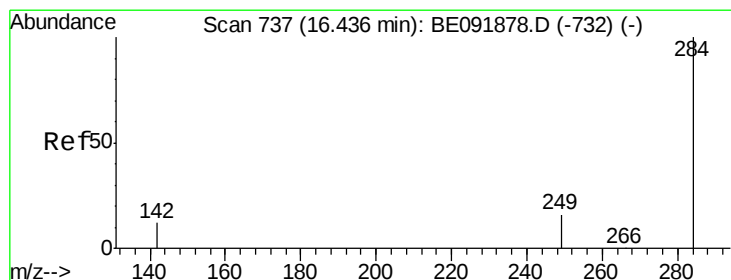
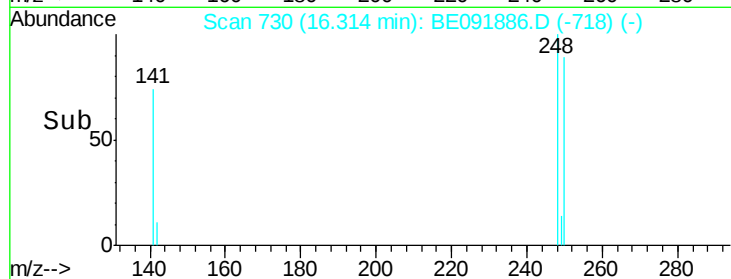
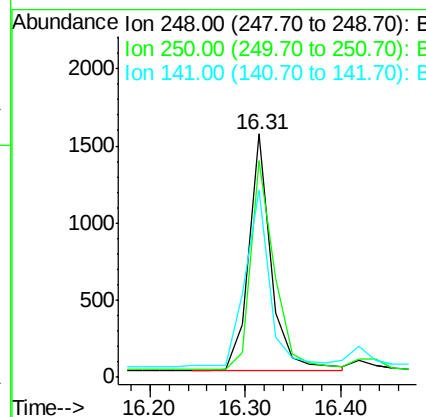
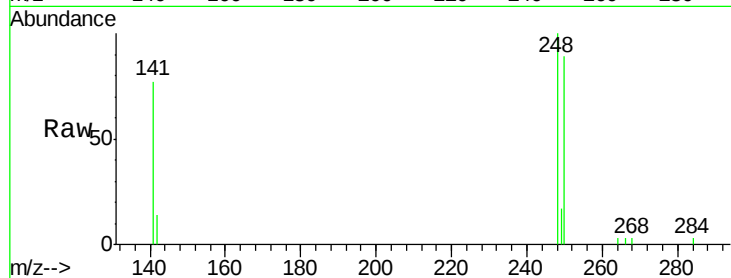




#25
4-Bromophenyl-phenylether
Concen: 0.43 ng
RT: 16.31 min Scan# 730
Delta R.T. -0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

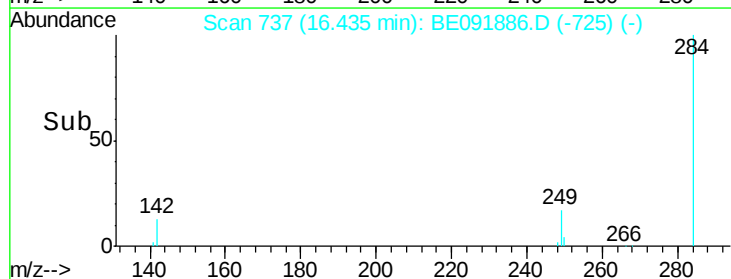
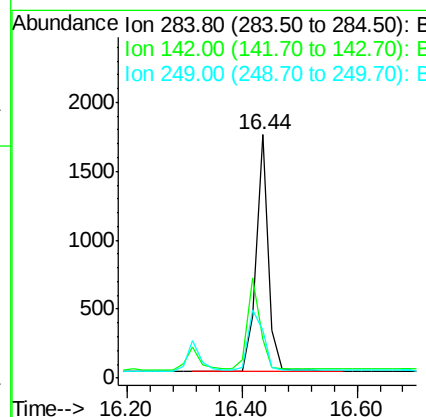
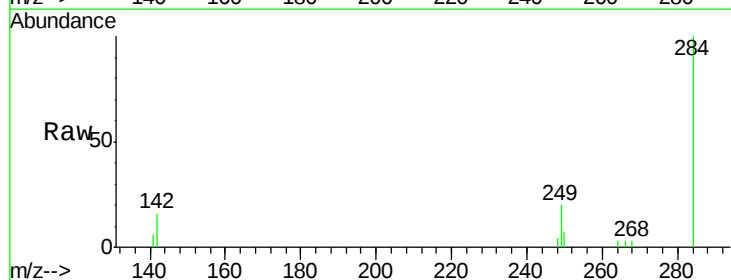
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

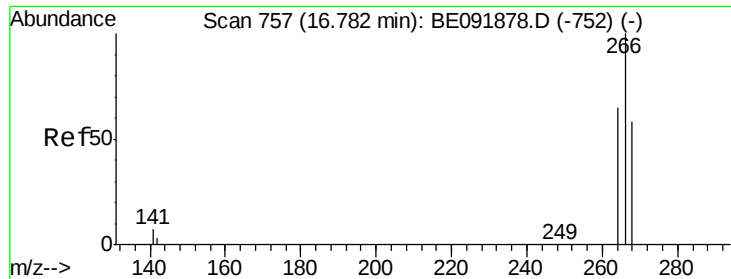
Tot Ion:248 Resp: 2449
Ion Ratio Lower Upper
248 100
250 95.9 75.7 113.5
141 81.8 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.44 ng
RT: 16.44 min Scan# 737
Delta R.T. -0.00 min
Lab File: BE091886.D
Acq: 7 Jun 2016 20:20

Tgt Ion:284 Resp: 2567
Ion Ratio Lower Upper
284 100
142 39.1 31.4 47.2
249 31.6 25.3 37.9

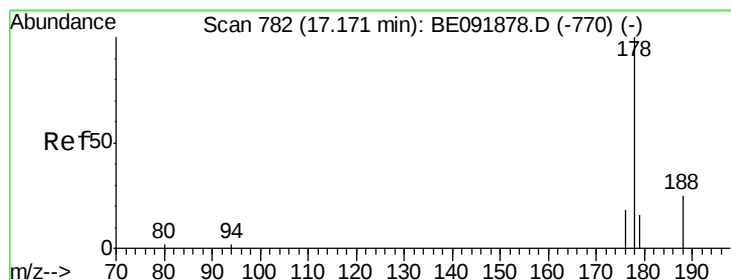
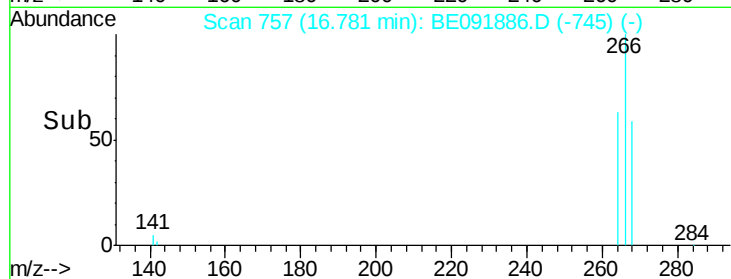
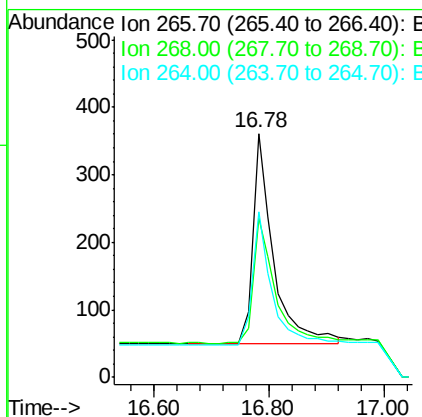
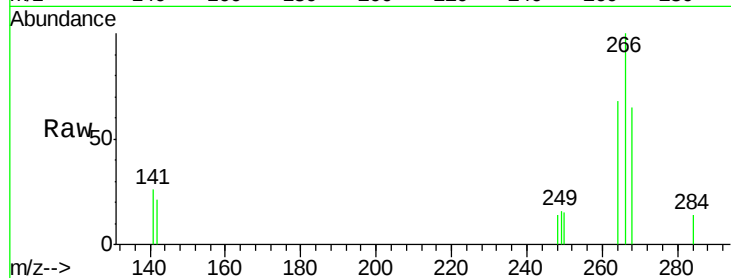




#27
 Pentachlorophenol
 Concen: 0.45 ng
 RT: 16.78 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BE091886.D
 Acq: 7 Jun 2016 20:20

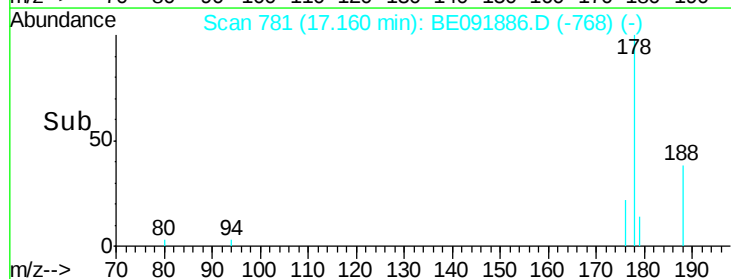
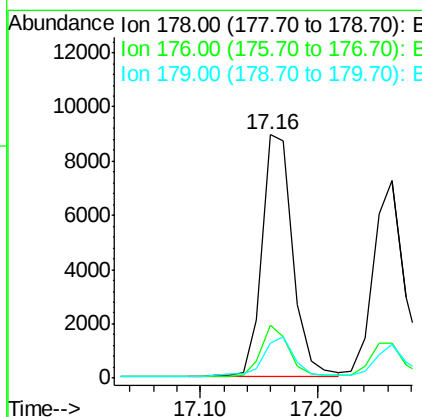
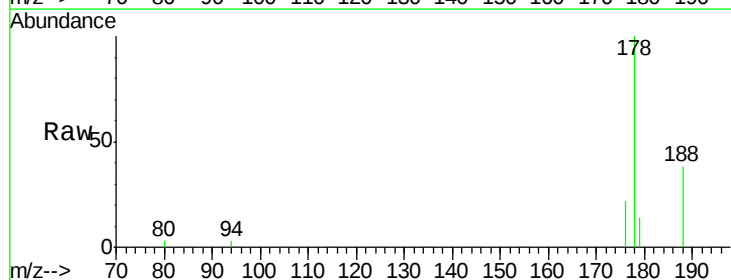
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

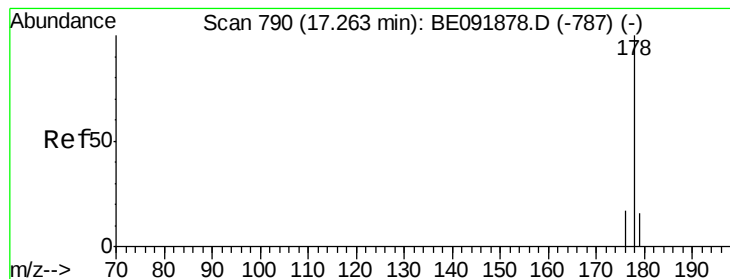
Tot Ion:266 Resp: 784
 Ion Ratio Lower Upper
 266 100
 268 65.4 60.5 90.7
 264 67.9 51.0 76.4



#28
 Phenanthrene
 Concen: 0.44 ng
 RT: 17.16 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BE091886.D
 Acq: 7 Jun 2016 20:20

Tgt Ion:178 Resp: 16275
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 16.2 12.9 19.3





#29

Anthracene

Concen: 0.43 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

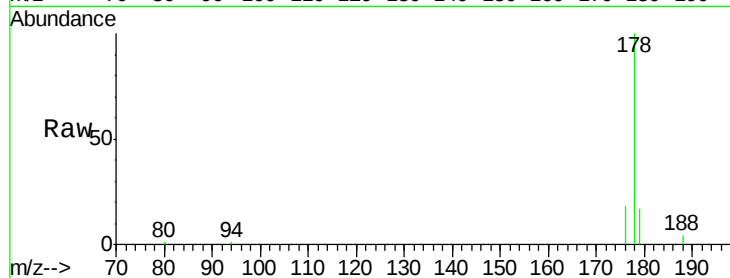
Tot Ion:178 Resp: 13981

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

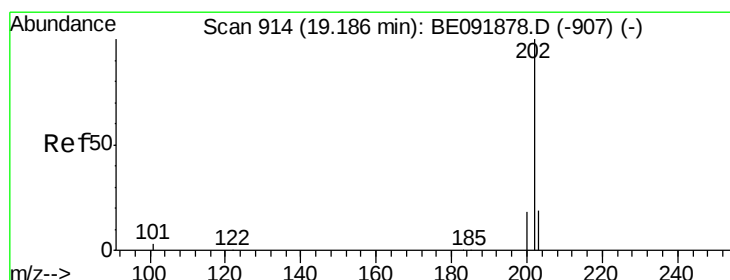
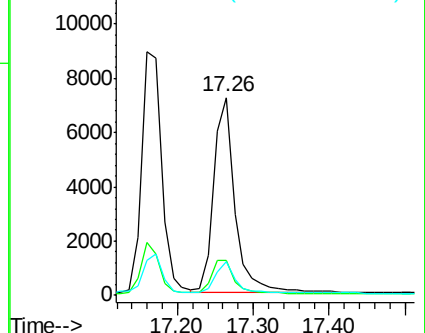
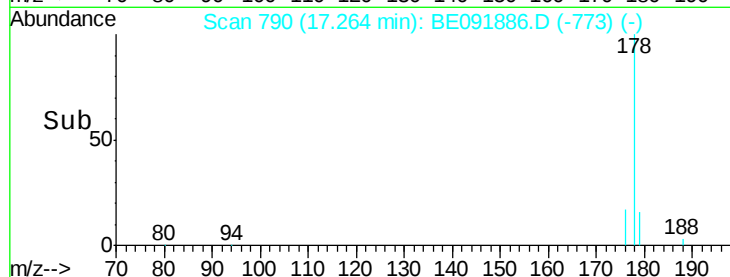
179 15.1 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.43 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

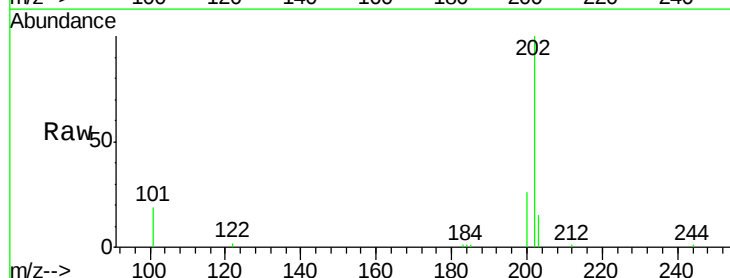
Tgt Ion:202 Resp: 17027

Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.0

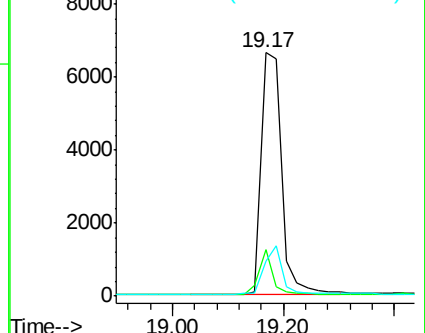
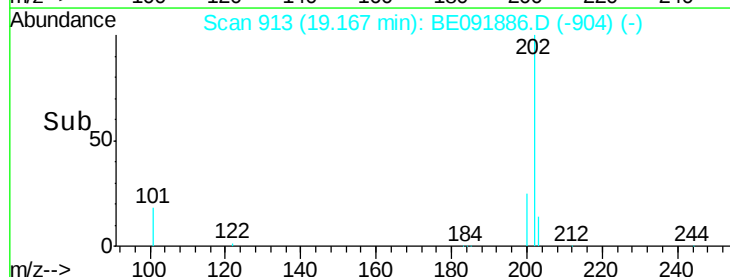
203 17.8 14.3 21.5

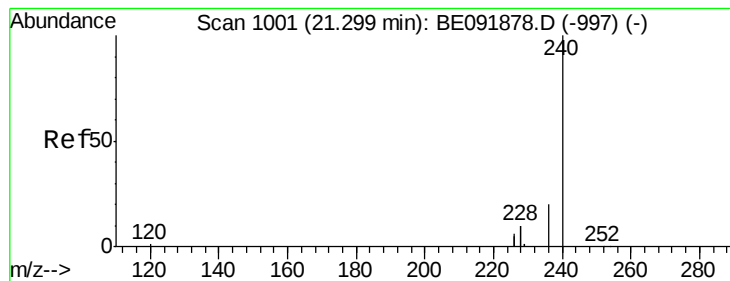


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.30 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

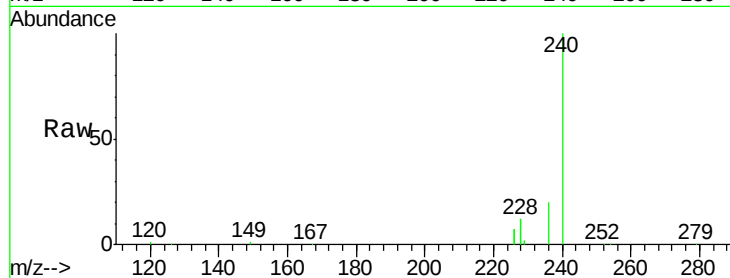
Tot Ion:240 Resp: 147458

Ion Ratio Lower Upper

240 100

120 1.0 1.2 1.8#

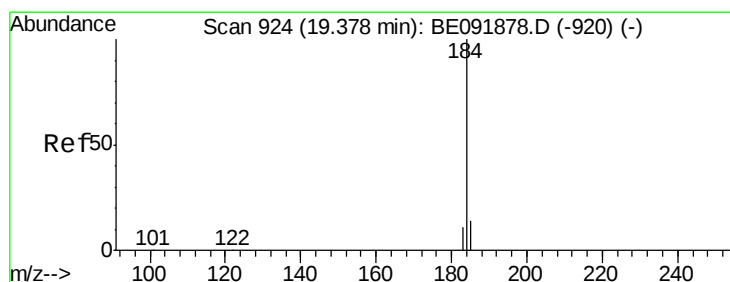
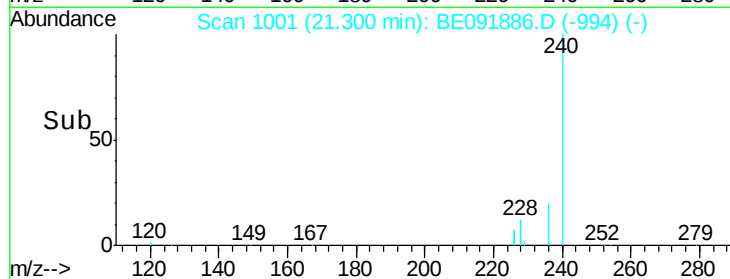
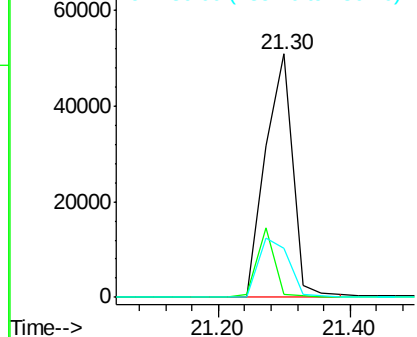
236 20.4 19.8 29.8



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: 0.39 ng

RT: 19.38 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

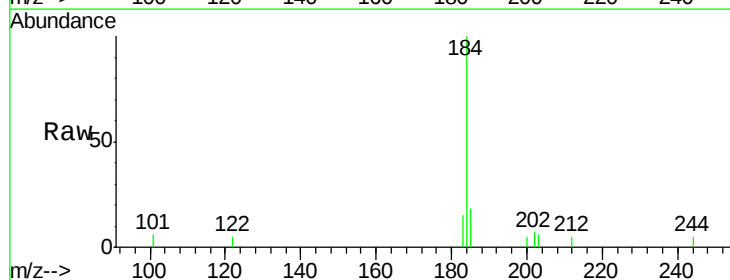
Tgt Ion:184 Resp: 3509

Ion Ratio Lower Upper

184 100

185 18.3 11.4 17.2#

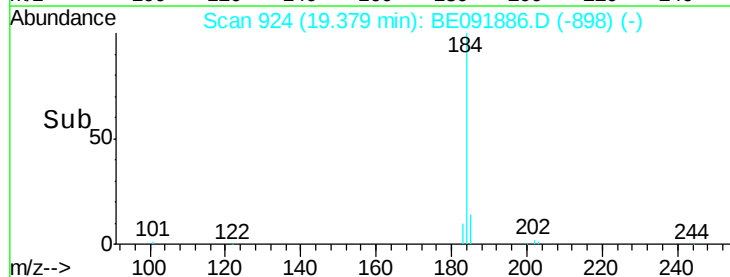
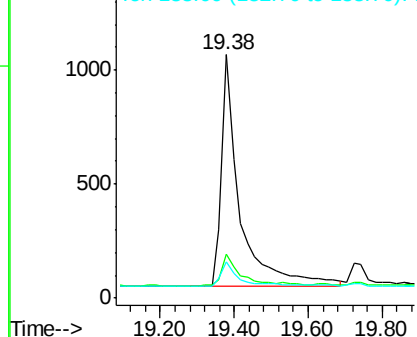
183 14.8 11.8 17.6

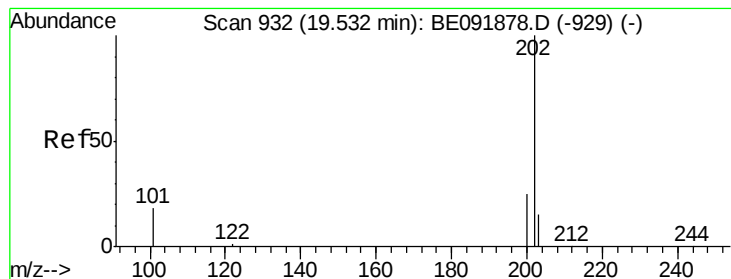


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 0.51 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

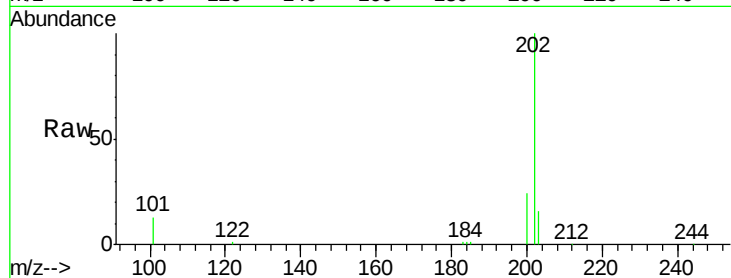
Tot Ion:202 Resp: 18856

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

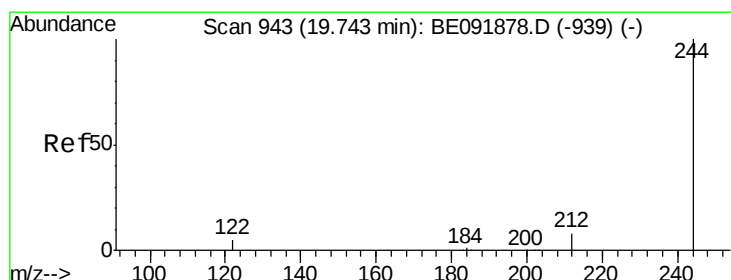
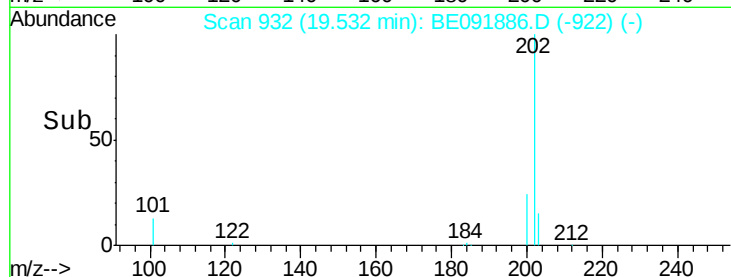
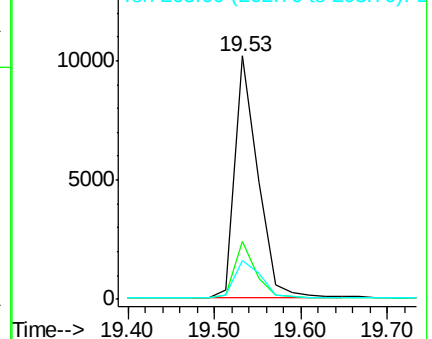
203 17.6 14.1 21.1



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: 0.44 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

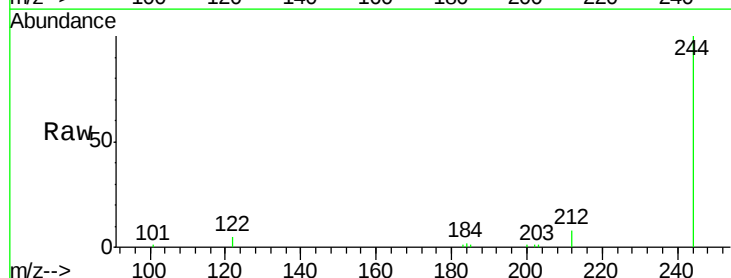
Tgt Ion:244 Resp: 12961

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

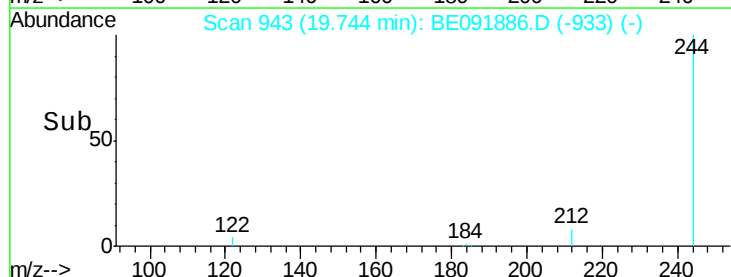
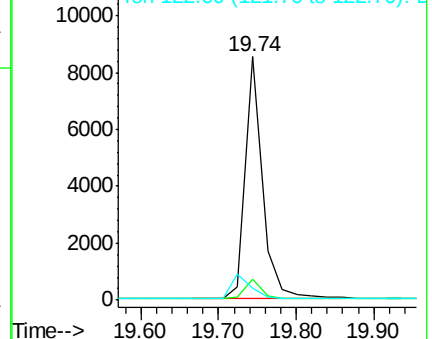
122 4.9 2.9 4.3#

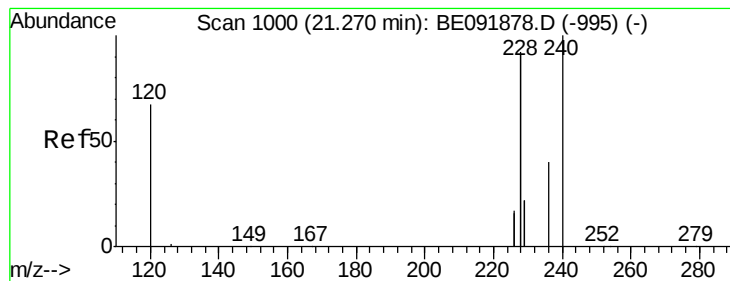


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.35 ng/mL

RT: 21.27 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleID :

SSTDCCC0.4

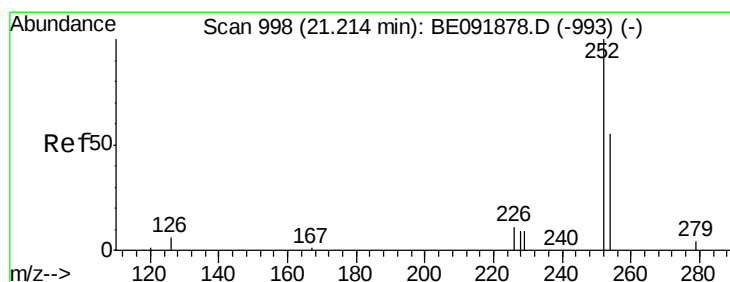
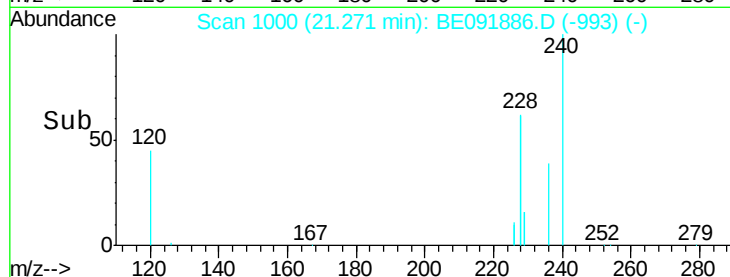
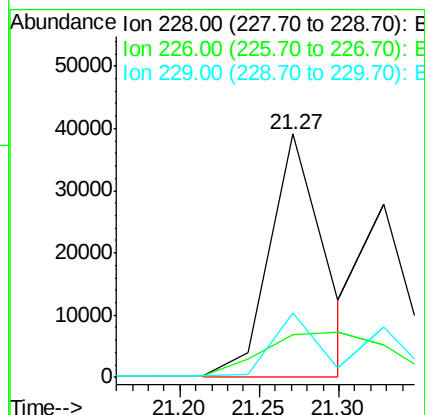
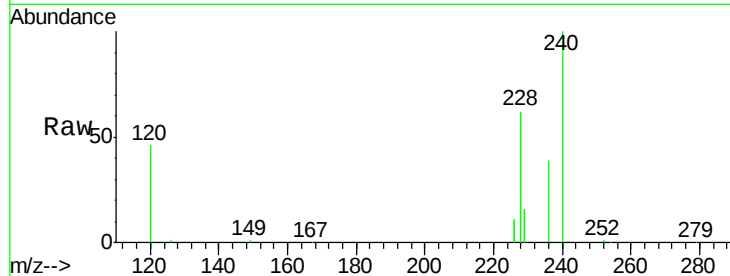
Tot Ion:228 Resp: 94750

Ion Ratio Lower Upper

228 100

226 17.4 21.0 31.4#

229 26.7 15.8 23.8#



#36

3,3'-Dichlorobenzidine

Concen: 0.44 ng/mL

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

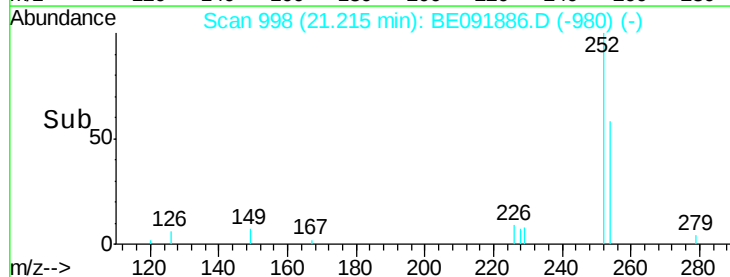
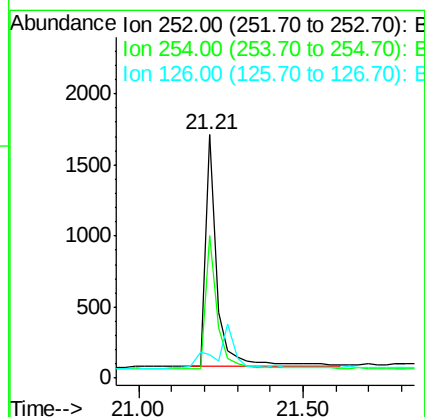
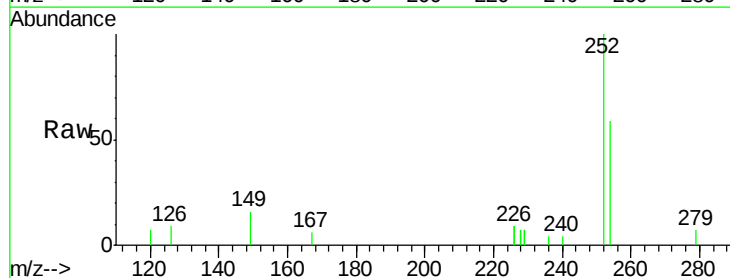
Tgt Ion:252 Resp: 4142

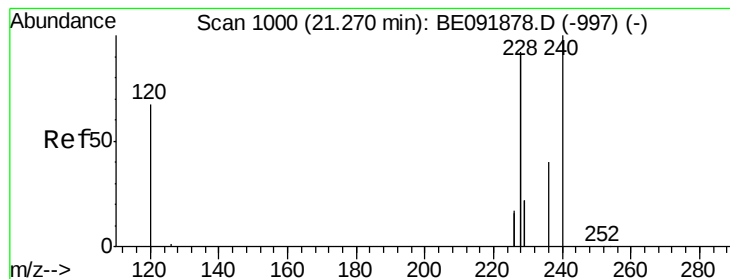
Ion Ratio Lower Upper

252 100

254 58.8 61.5 92.3#

126 9.4 2.5 3.7#





#37

Chrysene

Concen: 0.36 ng/mL

RT: 21.33 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleID :

SSTDCCC0.4

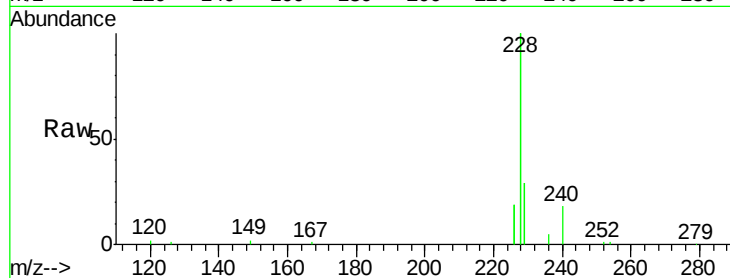
Tot Ion:228 Resp: 53390

Ion Ratio Lower Upper

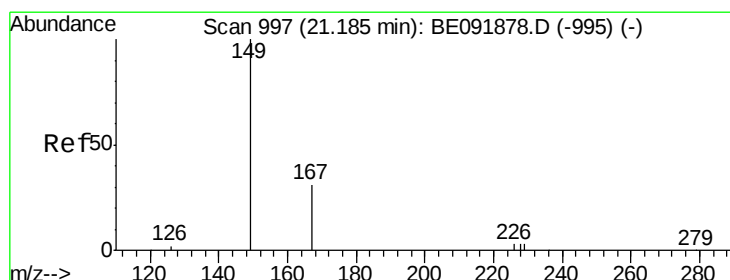
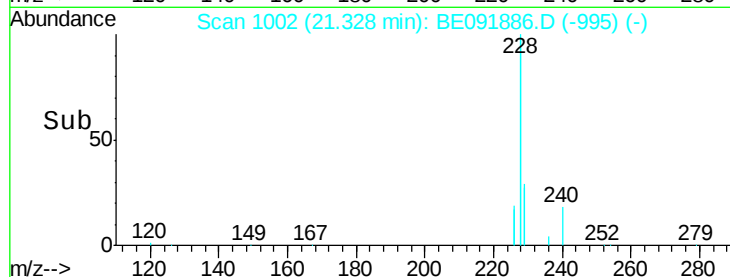
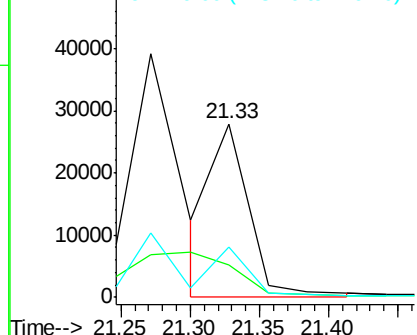
228 100

226 18.9 27.0 40.6#

229 28.6 13.8 20.8#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.43 ng/mL

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

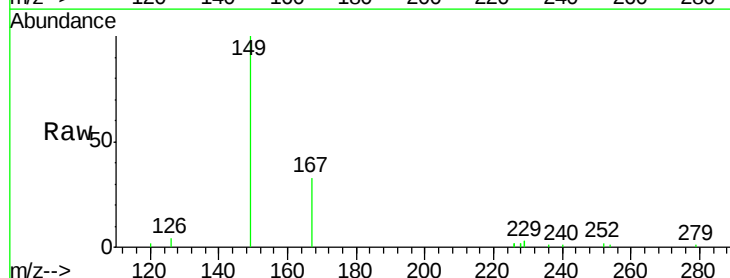
Tgt Ion:149 Resp: 8497

Ion Ratio Lower Upper

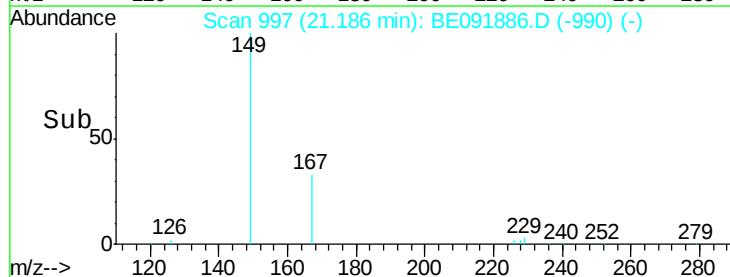
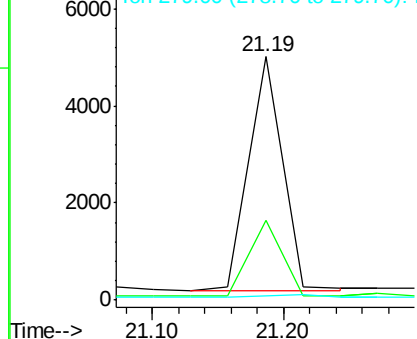
149 100

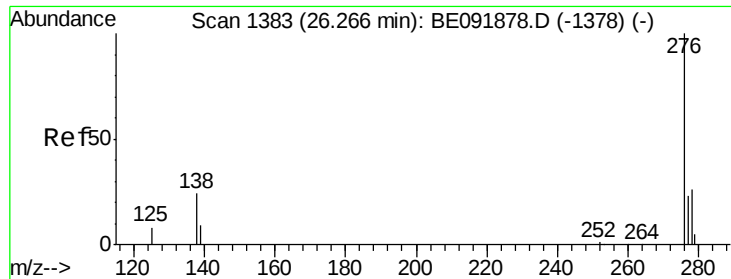
167 32.3 0.0 0.0#

279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng

RT: 26.26 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

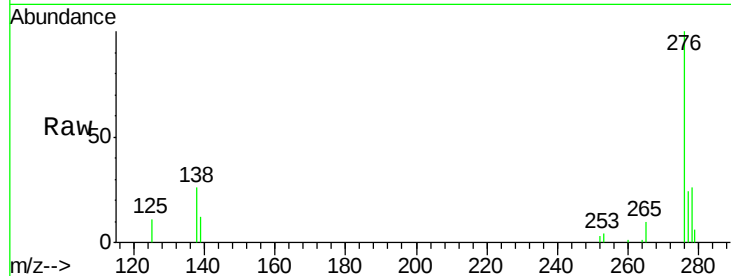
Tot Ion:276 Resp: 20562

Ion Ratio Lower Upper

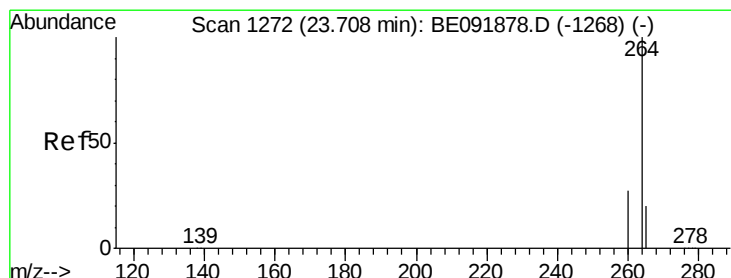
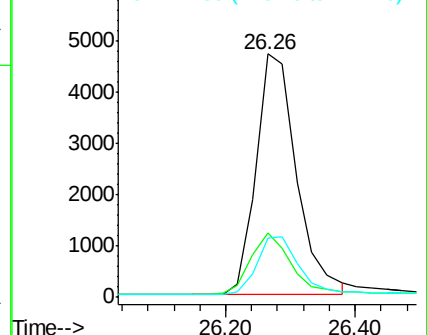
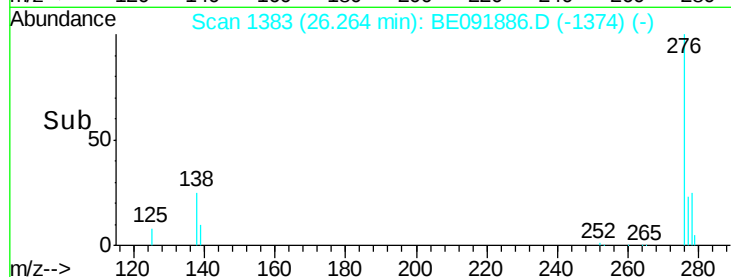
276 100

138 25.0 19.7 29.5

277 0.0 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# 1272

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

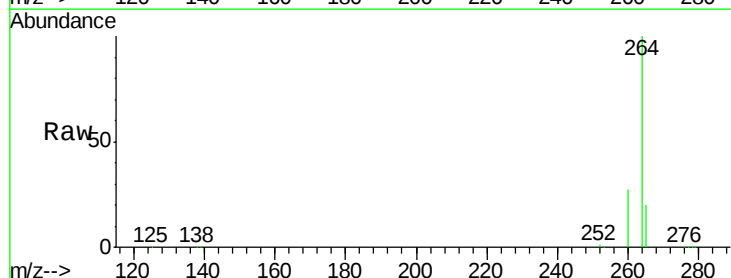
Tgt Ion:264 Resp: 198245

Ion Ratio Lower Upper

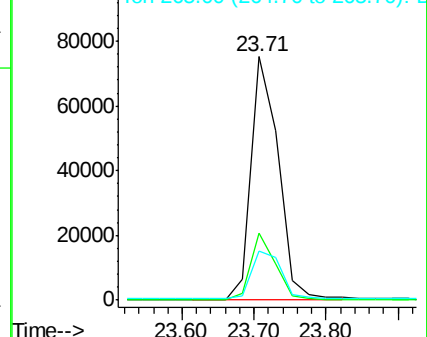
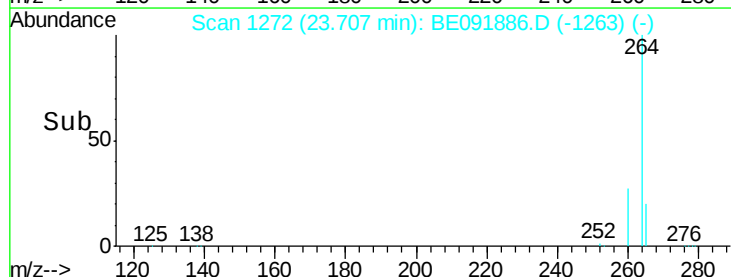
264 100

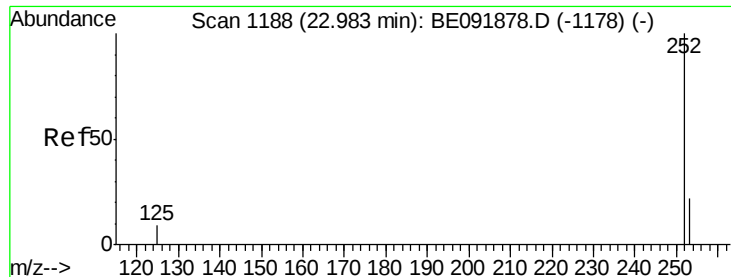
260 27.4 20.3 30.5

265 20.3 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: 0.42 ng

RT: 22.98 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

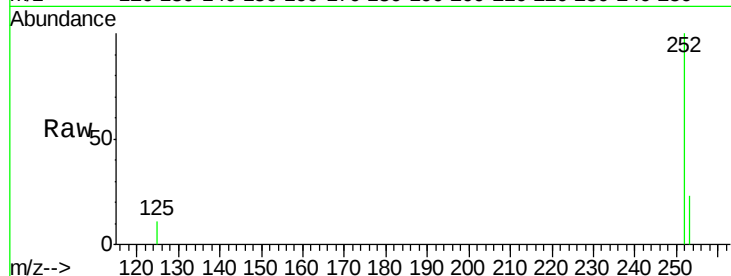
Tot Ion:252 Resp: 20303

Ion Ratio Lower Upper

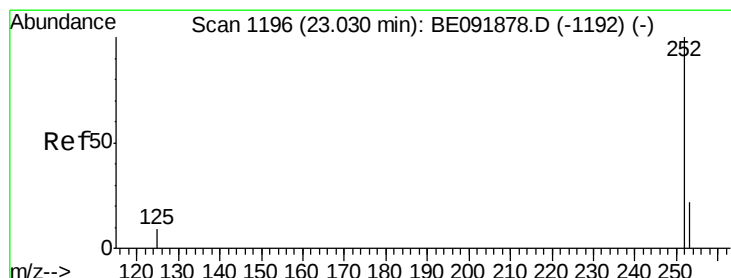
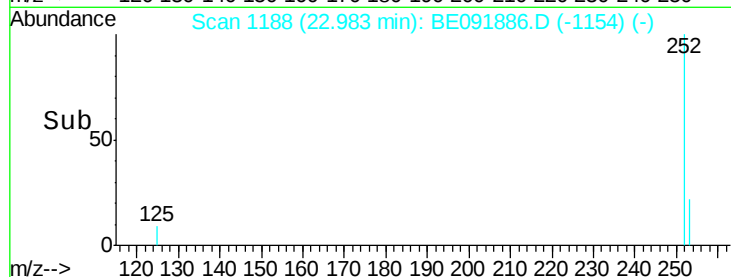
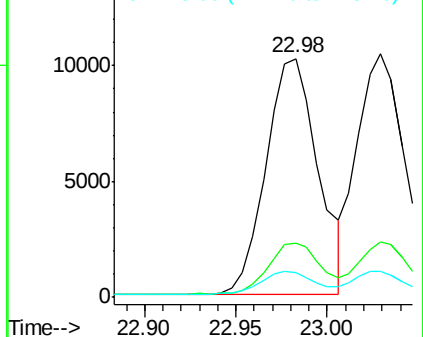
252 100

253 22.9 17.8 26.6

125 10.6 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: 0.41 ng

RT: 23.03 min Scan# 1196

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

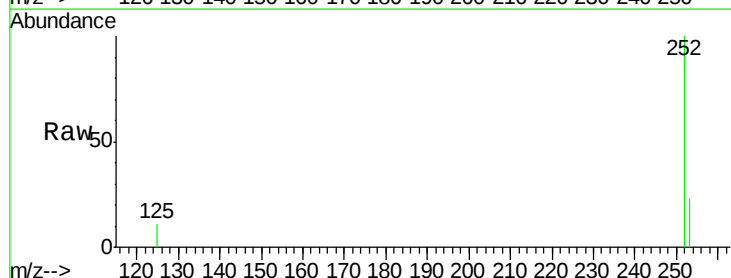
Tgt Ion:252 Resp: 20548

Ion Ratio Lower Upper

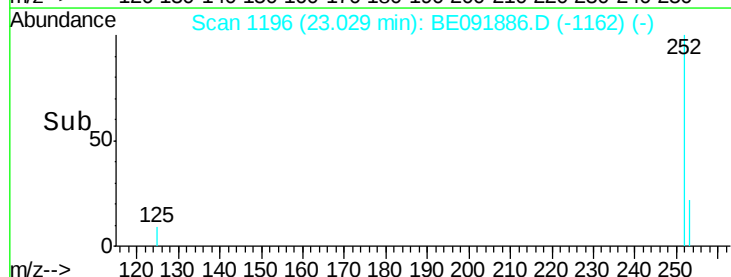
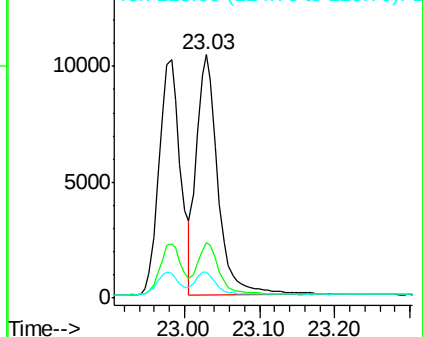
252 100

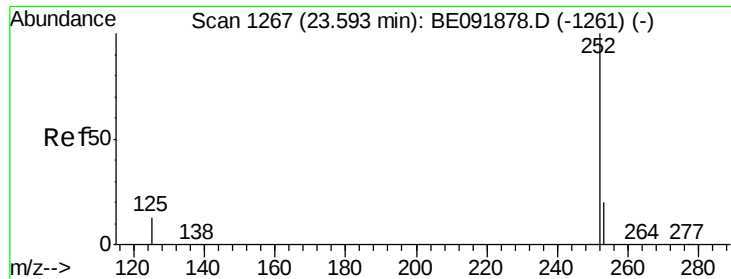
253 23.0 19.4 29.2

125 10.6 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: 0.42 ng

RT: 23.59 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

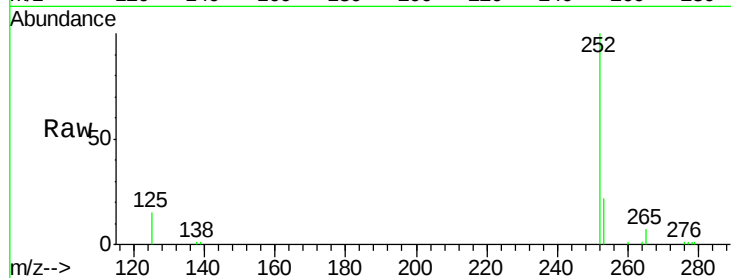
Tot Ion:252 Resp: 18955

Ion Ratio Lower Upper

252 100

253 21.6 18.9 28.3

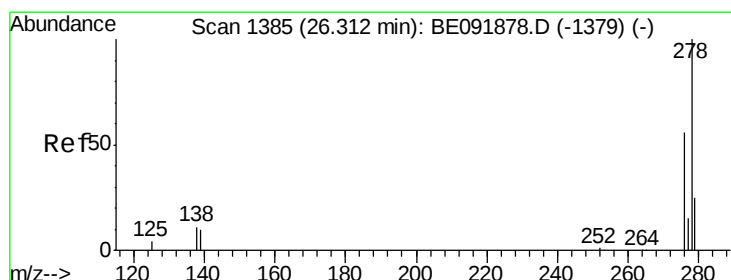
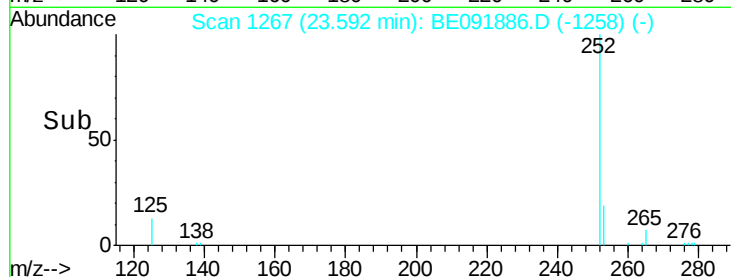
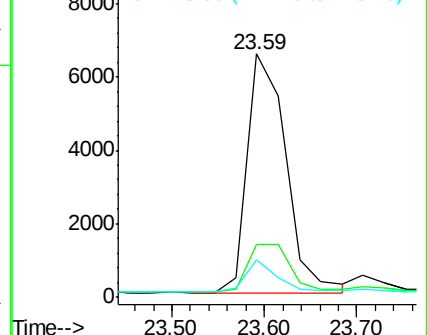
125 15.3 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.40 ng

RT: 26.31 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

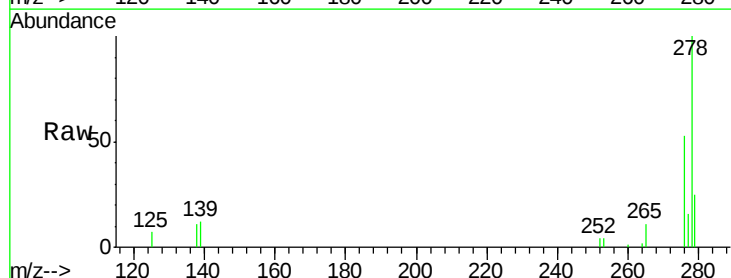
Tgt Ion:278 Resp: 17072

Ion Ratio Lower Upper

278 100

139 11.6 12.6 18.8#

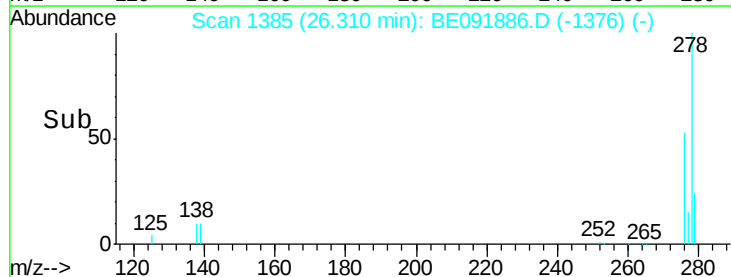
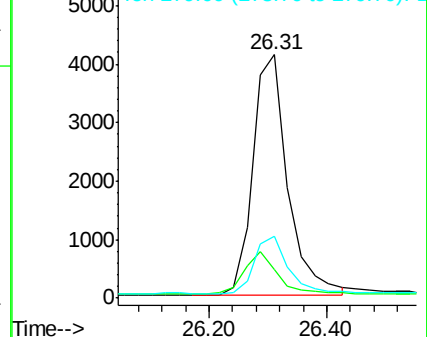
279 25.5 20.0 30.0

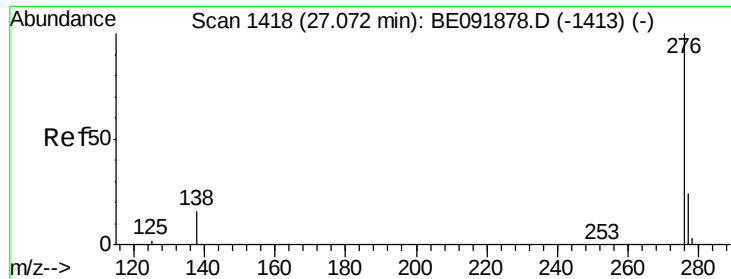


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 0.41 ng

RT: 27.07 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BE091886.D

Acq: 7 Jun 2016 20:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

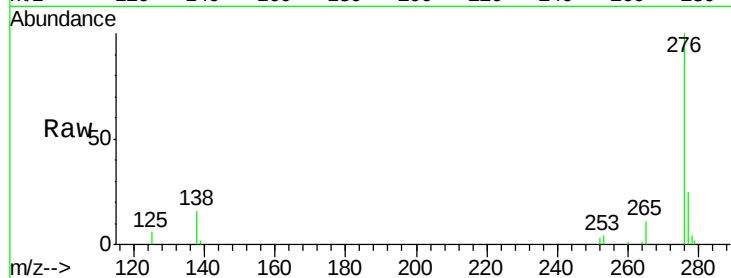
Tot Ion: 276 Resp: 18265

Ion Ratio Lower Upper

276 100

277 24.6 19.5 29.3

138 16.4 17.7 26.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

