

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052516\
 Data File : BE091867.D
 Acq On : 25 May 2016 20:26
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: May 26 01:37:32 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	7.78	152	26977	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	133528	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	85830	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	249337	5.00	ng	0.00
31) Chrysene-d12	21.29	240	257897	5.00	ng	0.00
40) Perylene-d12	23.71	264	240456	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2851	0.37	ng	0.00
5) Phenol-d6	6.95	99	3876	0.38	ng	0.00
9) Nitrobenzene-d5	8.94	82	4012	0.37	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	1267	0.33	ng	0.00
17) 2-Fluorobiphenyl	13.03	172	9665	0.38	ng	0.00
34) Terphenyl-d14	19.74	244	16768	0.43	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	1383	0.41	ng	97
3) n-Nitrosodimethylamine	3.63	42	1668	0.34	ng	# 95
6) bis(2-Chloroethyl)ether	7.20	93	3173	0.37	ng	98
7) n-Nitroso-di-n-propylamine	8.57	70	2916	0.37	ng	# 91
10) Nitrobenzene	8.96	77	3859	0.37	ng	# 98
11) bis(2-Chloroethoxy)methane	9.98	93	5648	0.45	ng	# 62
12) Naphthalene	10.61	128	11143	0.39	ng	100
13) Hexachlorobutadiene	10.90	225	1703	0.38	ng	100
14) 2-Methylnaphthalene	12.22	142	7537	0.39	ng	97
18) Acenaphthylene	14.10	152	15555	0.39	ng	97
19) 2,6-Dinitrotoluene	13.96	165	1914	0.33	ng	96
20) Acenaphthene	14.44	154	8835	0.40	ng	99
21) 2,4-Dinitrotoluene	14.76	165	2065	0.45	ng	# 97
22) Fluorene	15.44	166	11387	0.38	ng	100
23) 4-Chlorophenyl-phenylether	15.44	204	5548	0.34	ng	99
25) 4-Bromophenyl-phenylether	16.31	248	3450	0.39	ng	98
26) Hexachlorobenzene	16.44	284	3401	0.40	ng	99
27) Pentachlorophenol	16.78	266	1293	0.39	ng	89
28) Phenanthrene	17.17	178	20206	0.36	ng	100
29) Anthracene	17.26	178	19008	0.38	ng	99
30) Fluoranthene	19.17	202	22872	0.35	ng	99
32) Benzidine	19.36	184	8072	0.45	ng	98
33) Pyrene	19.53	202	24286	0.44	ng	100
35) Benzo(a)anthracene	21.27	228	54896	0.80	ng	98
36) 3,3'-Dichlorobenzidine	21.22	252	15415	0.41	ng	# 95
37) Chrysene	21.27	228	55066	0.95	ng	# 87
38) Bis(2-ethylhexyl)phthalate	21.17	149	12216	0.49	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.26	276	27102	0.42	ng	99
41) Benzo(b)fluoranthene	22.96	252	26878	0.41	ng	99
42) Benzo(k)fluoranthene	23.02	252	21730	0.37	ng	98
43) Benzo(a)pyrene	23.60	252	23339	0.40	ng	98
44) Dibenzo(a,h)anthracene	26.28	278	22328	0.40	ng	98
45) Benzo(g,h,i)perylene	27.05	276	22813	0.40	ng	99

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

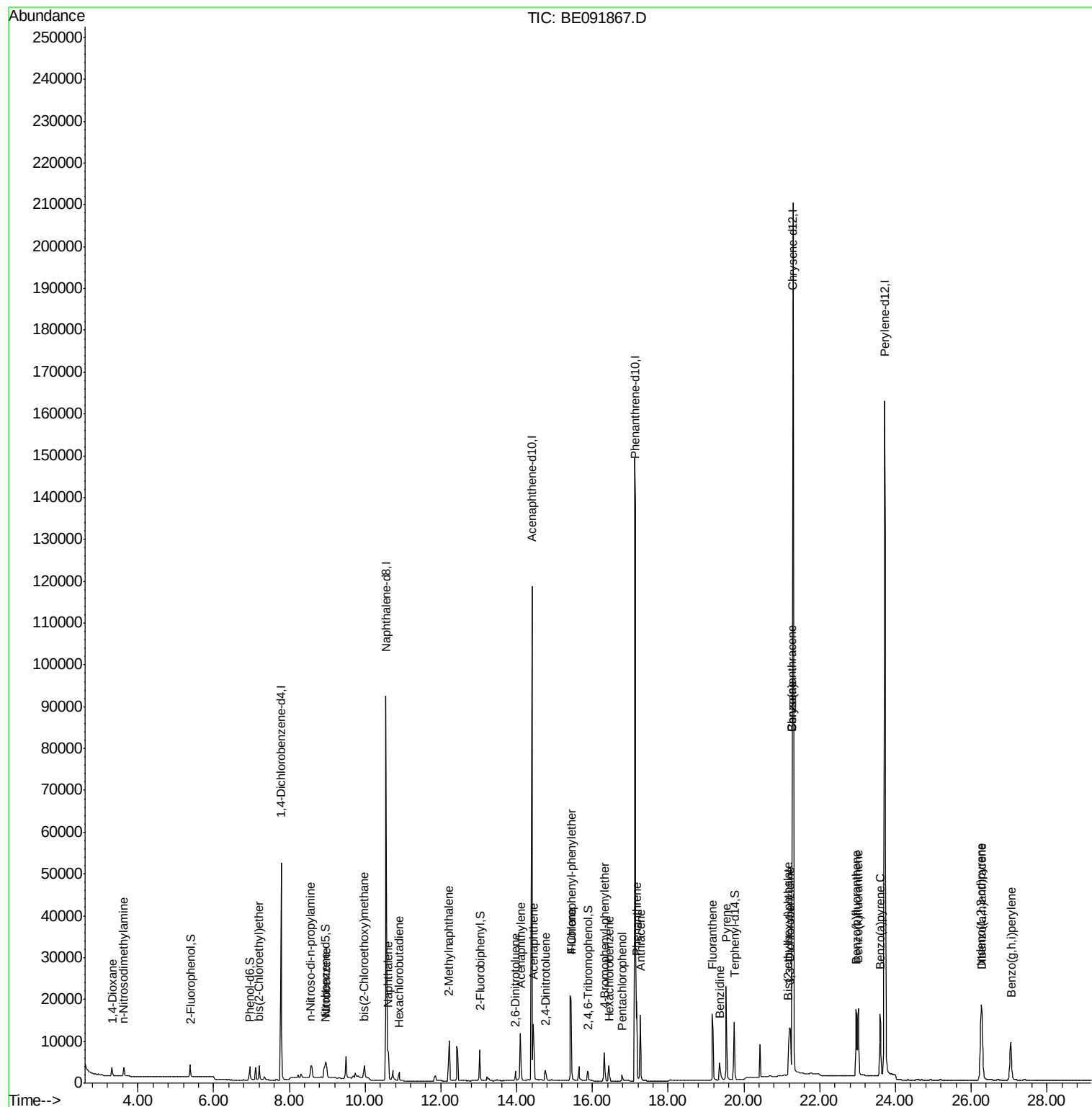
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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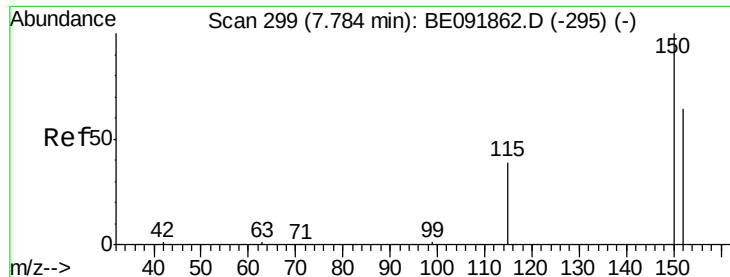
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

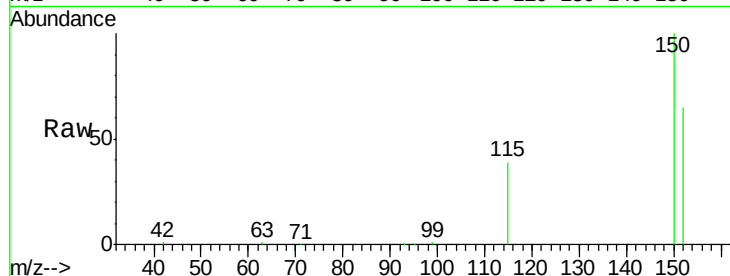
Tgt Ion:152 Resp: 26977

Ion Ratio Lower Upper

152 100

150 153.2 123.9 185.9

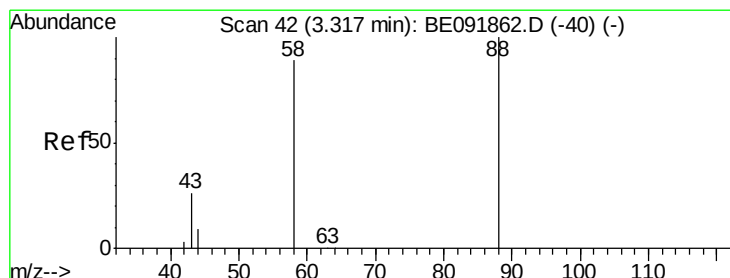
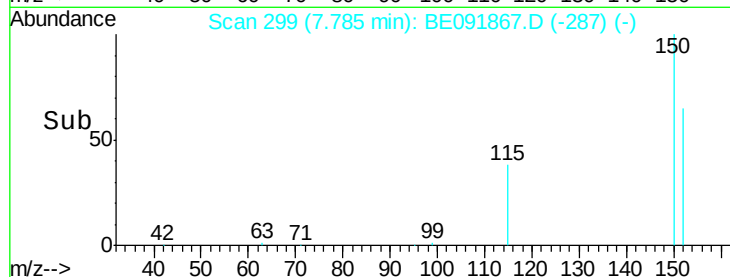
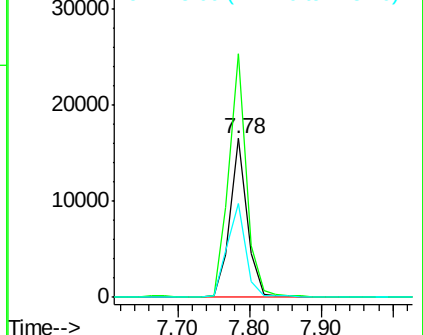
115 59.0 48.3 72.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.41 ng

RT: 3.32 min Scan# 42

Delta R.T. -0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

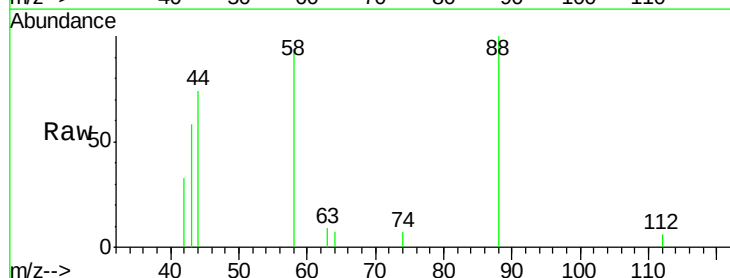
Tgt Ion: 88 Resp: 1383

Ion Ratio Lower Upper

88 100

58 81.3 63.0 94.4

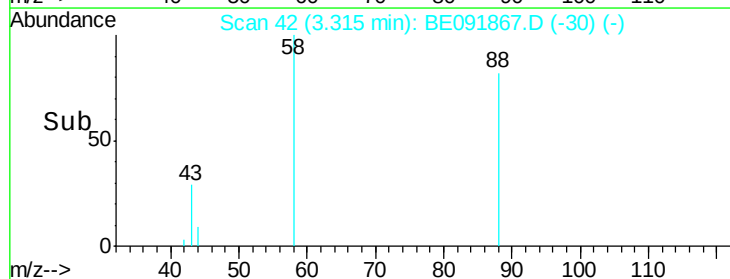
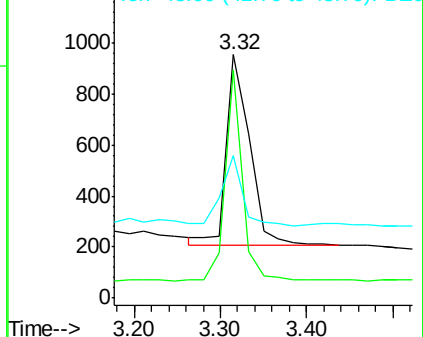
43 35.2 29.1 43.7

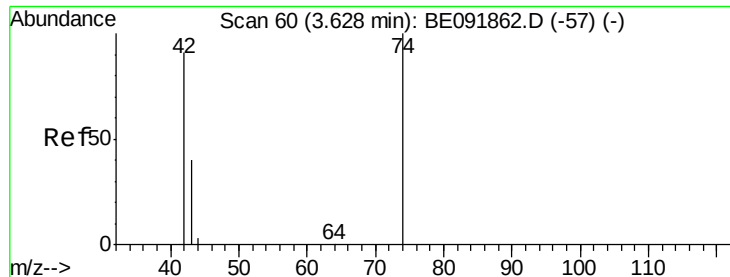


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.34 ng

RT: 3.63 min Scan# 60

Delta R.T. -0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

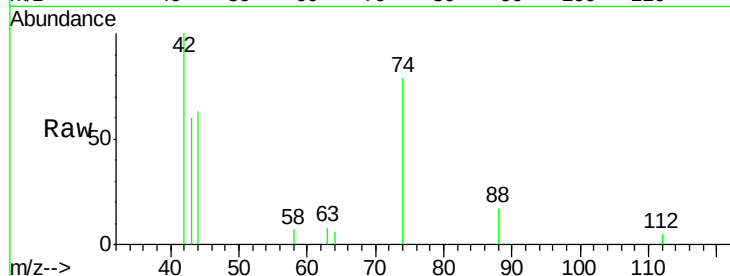
Tgt Ion: 42 Resp: 1668

Ion Ratio Lower Upper

42 100

74 121.6 93.4 140.0

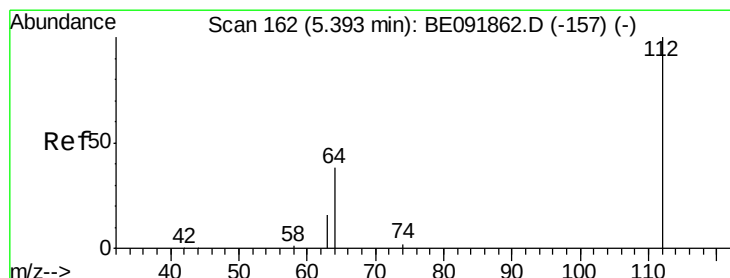
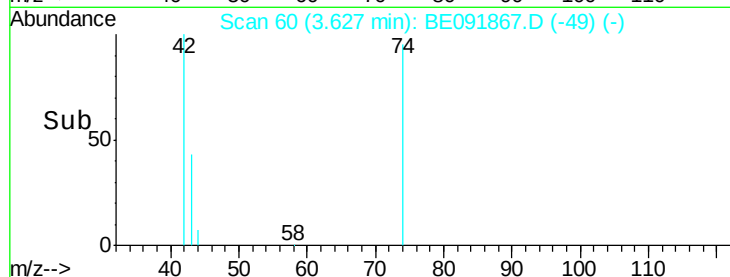
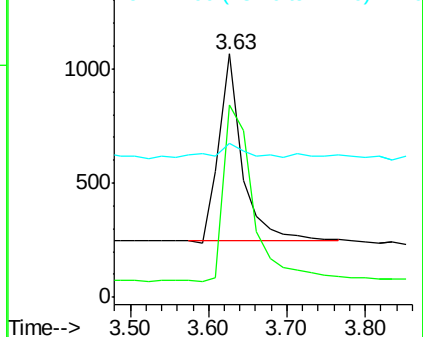
44 12.0 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.37 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

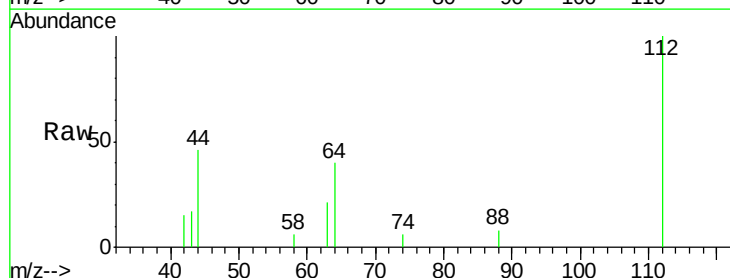
Tgt Ion: 112 Resp: 2851

Ion Ratio Lower Upper

112 100

64 65.9 53.7 80.5

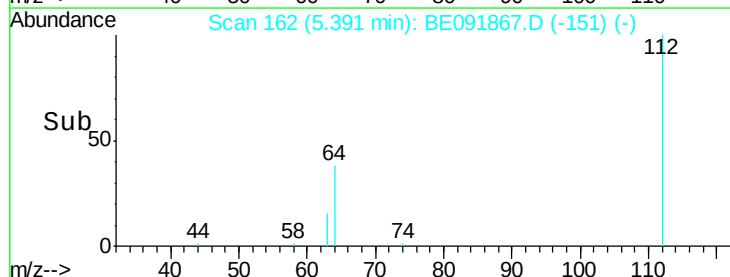
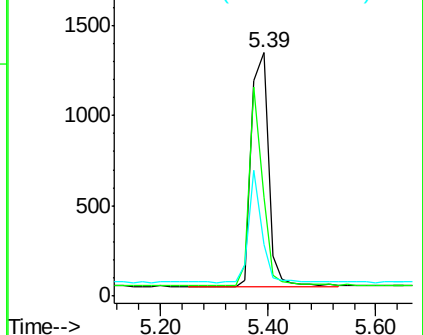
63 36.3 29.5 44.3

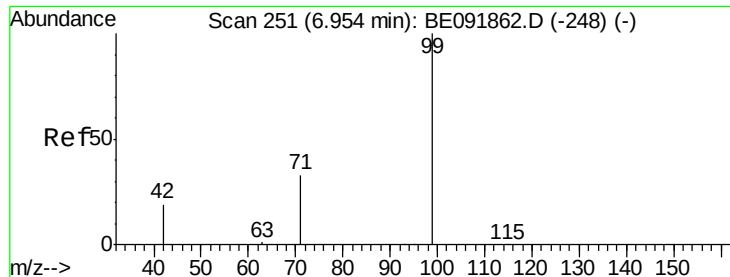


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.38 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

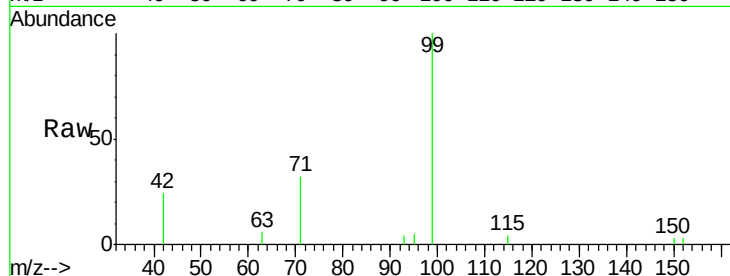
Tgt Ion: 99 Resp: 3876

Ion Ratio Lower Upper

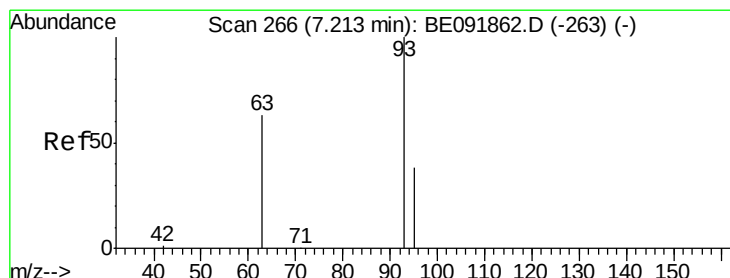
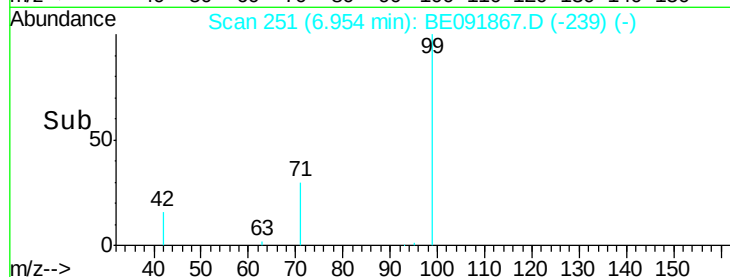
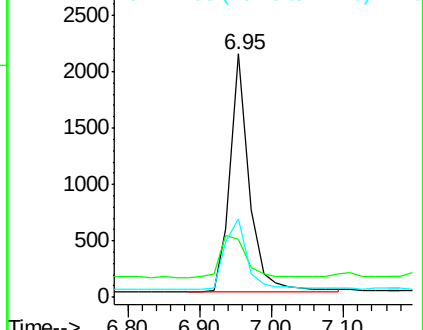
99 100

42 24.5 19.6 29.4

71 35.4 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: BE091867.D

Acq: 25 May 2016 20:26

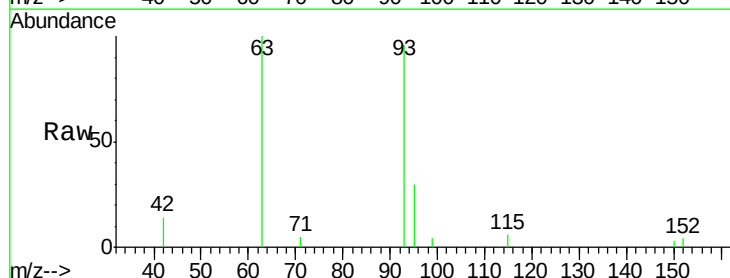
Tgt Ion: 93 Resp: 3173

Ion Ratio Lower Upper

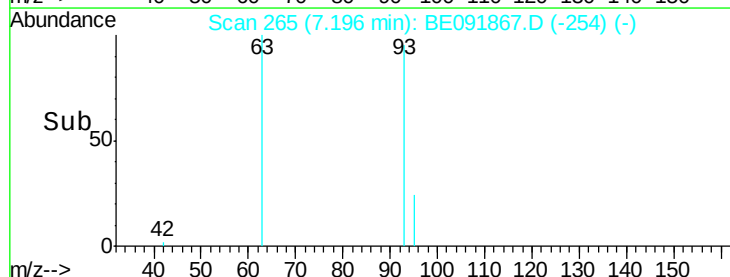
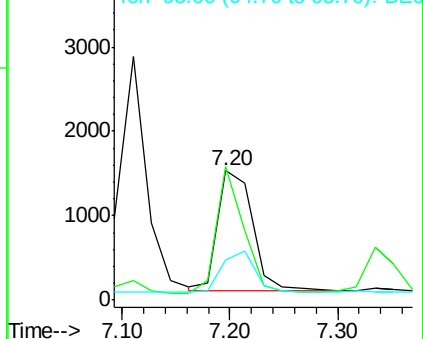
93 100

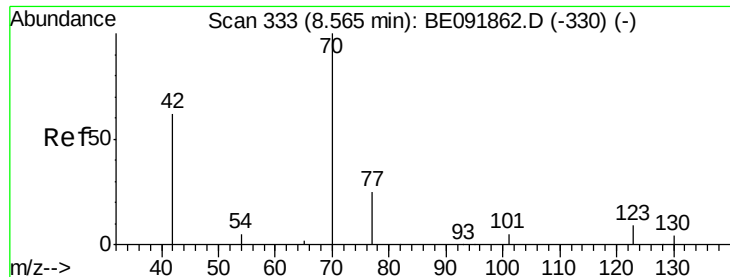
63 84.6 66.2 99.4

95 32.1 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: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 2916

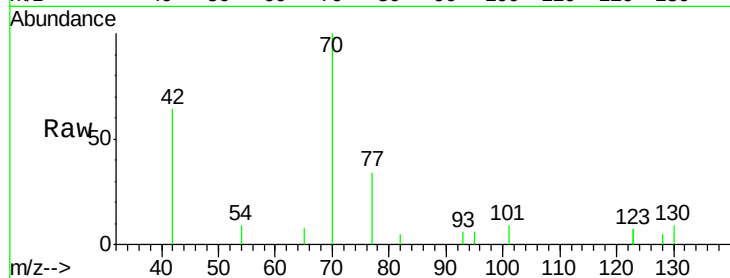
Ion Ratio Lower Upper

70 100

42 65.0 58.4 87.6

101 8.4 6.4 9.6

130 0.0 0.0 0.0



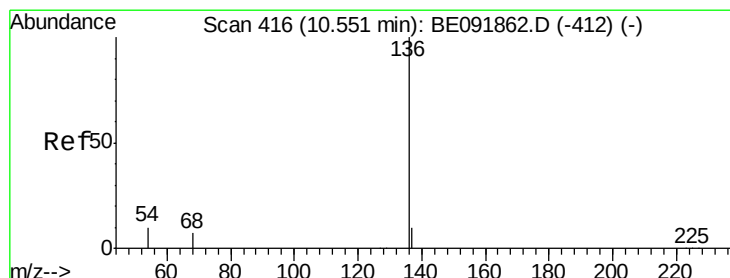
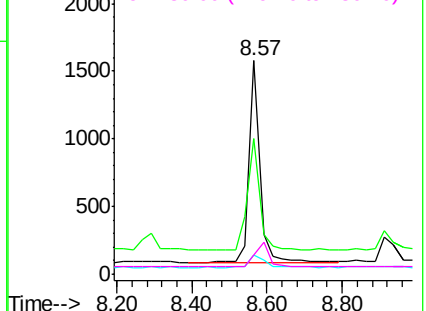
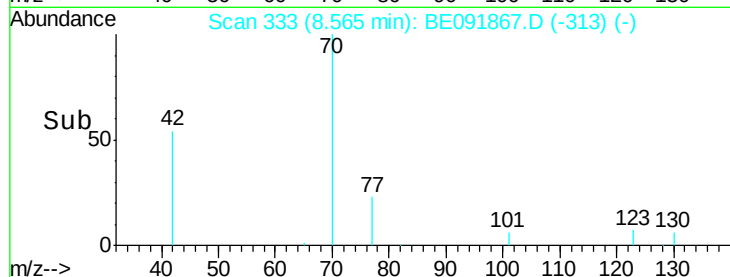
Abundance

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



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Tgt Ion: 136 Resp: 133528

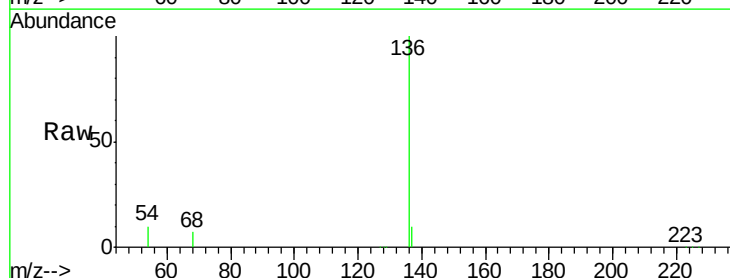
Ion Ratio Lower Upper

136 100

137 10.4 8.3 12.5

54 9.7 8.2 12.4

68 7.1 5.9 8.9



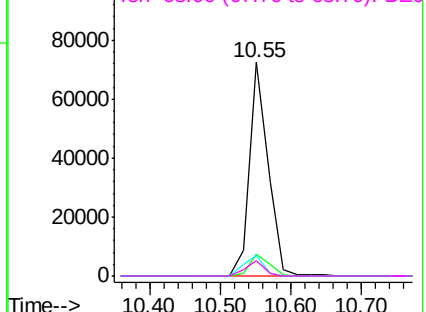
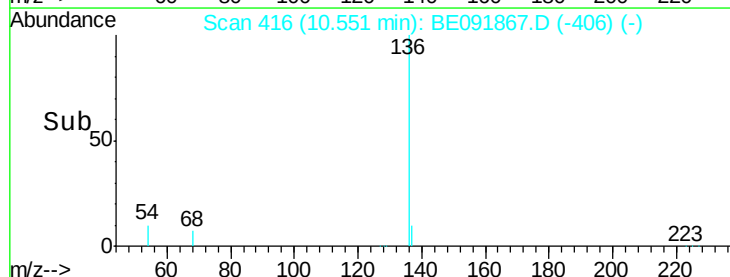
Abundance

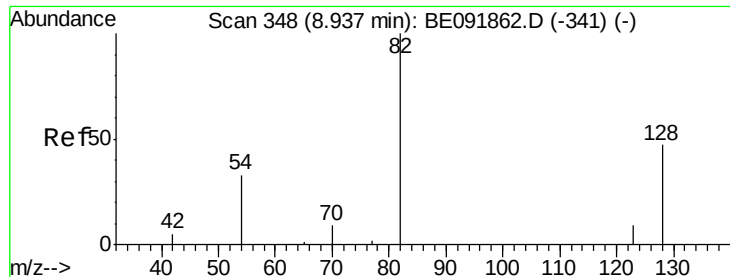
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 0.37 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

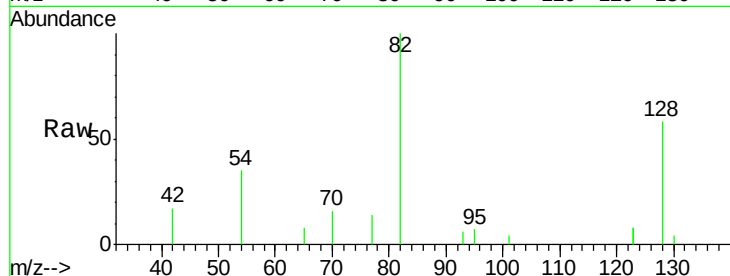
Tgt Ion: 82 Resp: 4012

Ion Ratio Lower Upper

82 100

128 57.9 39.5 59.3

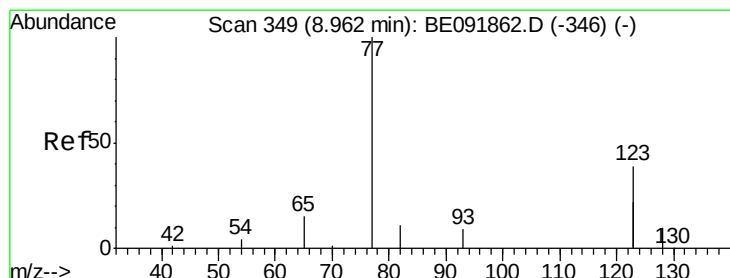
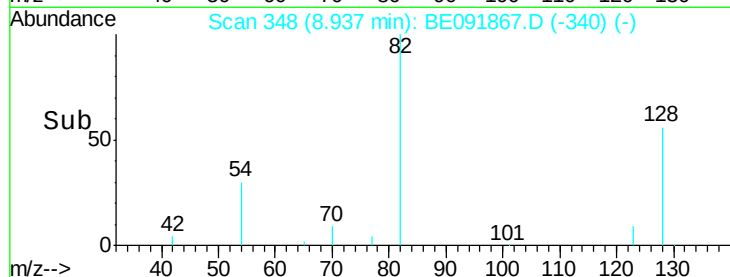
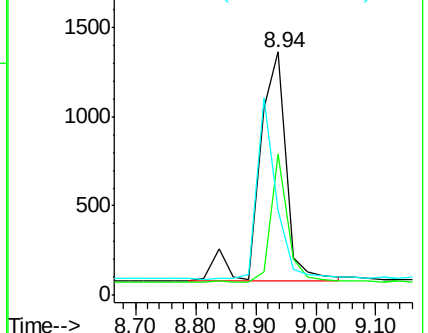
54 35.1 30.3 45.5



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: BE091867.D

Acq: 25 May 2016 20:26

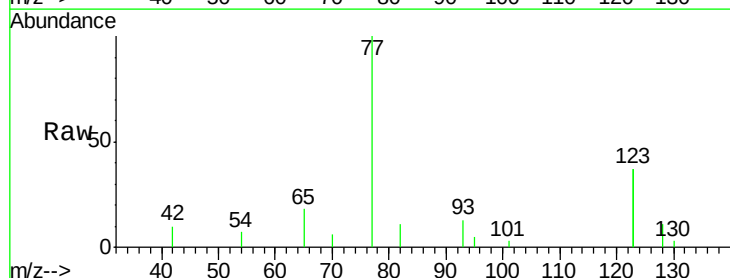
Tgt Ion: 77 Resp: 3859

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

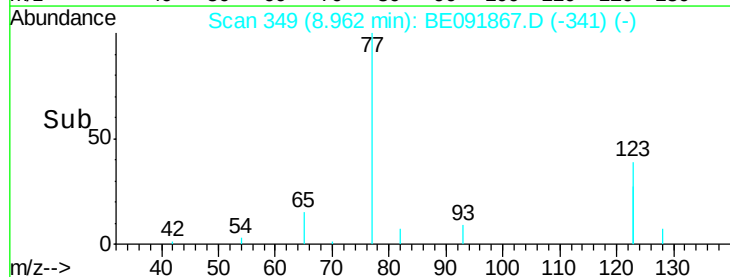
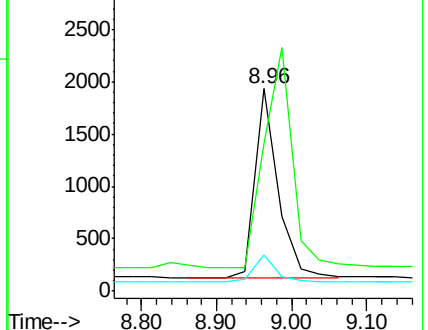
65 14.5 11.1 16.7

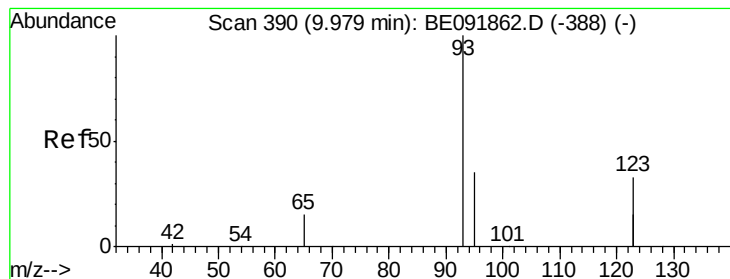


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.45 ng

RT: 9.98 min Scan# 390

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

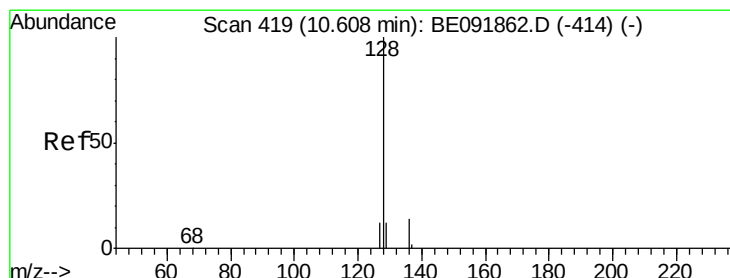
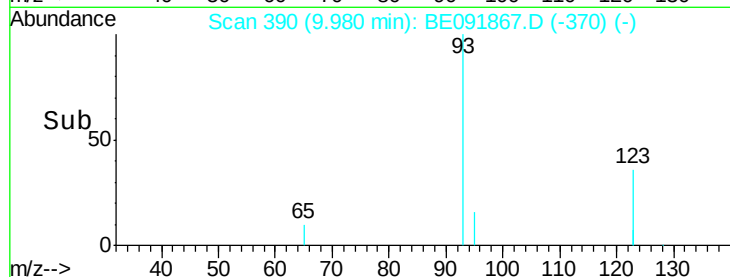
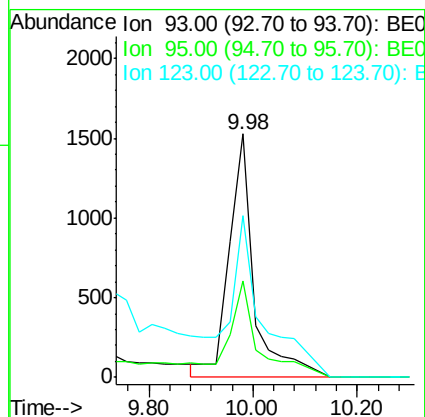
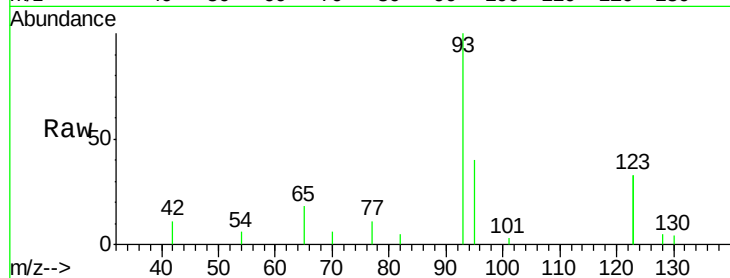
Tgt Ion: 93 Resp: 5648

Ion Ratio Lower Upper

93 100

95 44.7 57.6 86.4#

123 79.0 100.2 150.4#



#12

Naphthalene

Concen: 0.39 ng

RT: 10.61 min Scan# 419

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

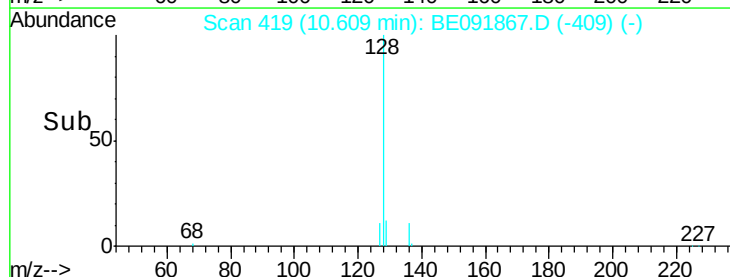
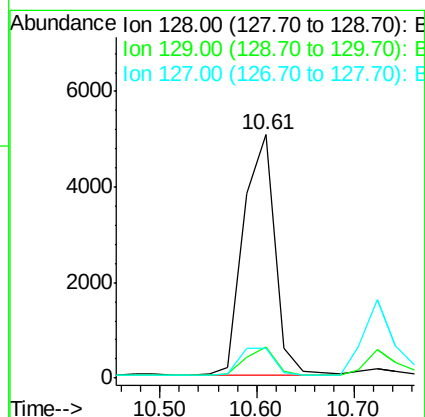
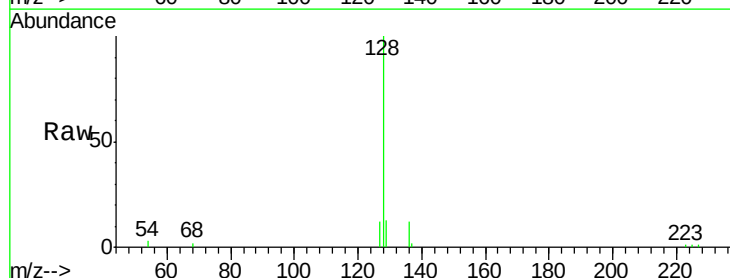
Tgt Ion: 128 Resp: 11143

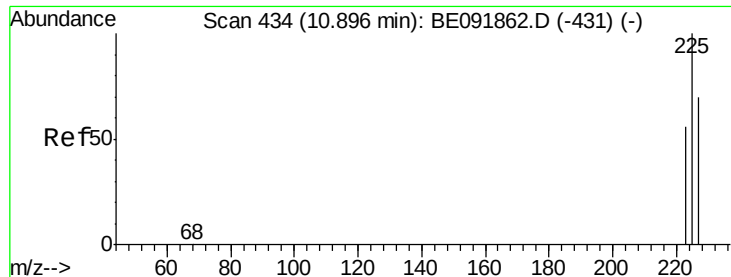
Ion Ratio Lower Upper

128 100

129 13.0 10.4 15.6

127 12.3 10.2 15.2

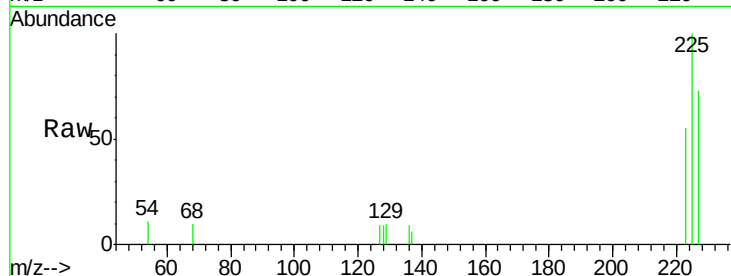




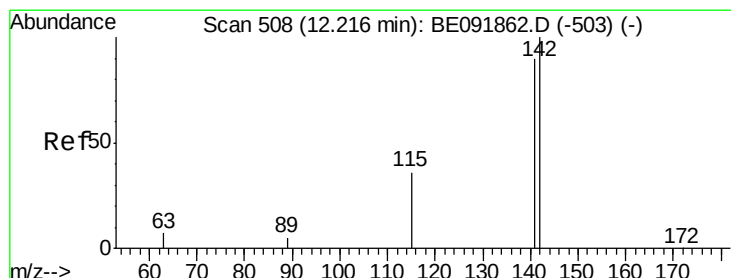
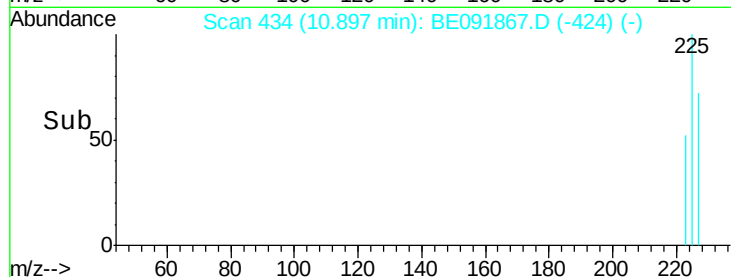
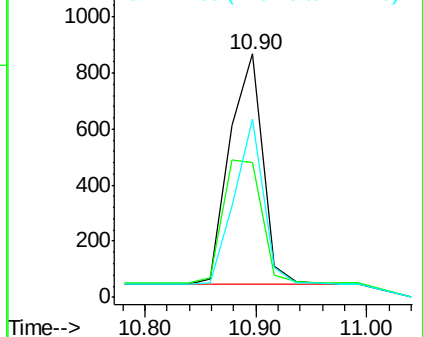
#13
Hexachlorobutadiene
Concen: 0.38 ng
RT: 10.90 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 225 Resp: 1703
Ion Ratio Lower Upper
225 100
223 62.1 49.8 74.8
227 63.7 50.6 75.8

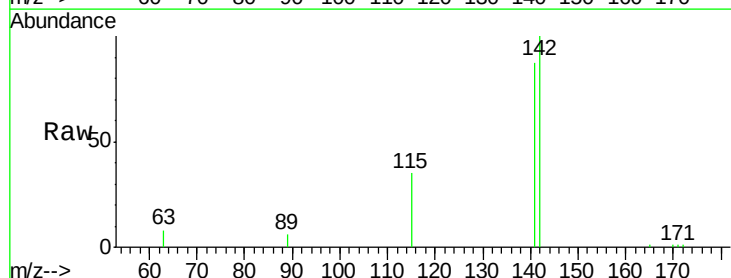


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

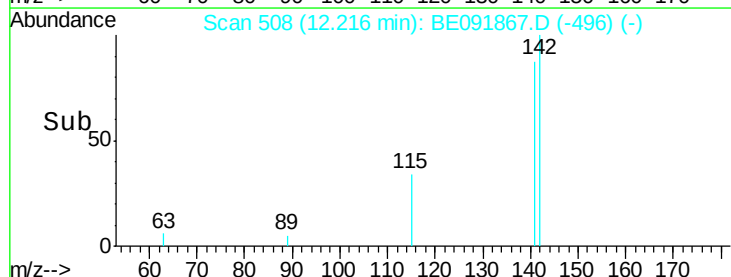
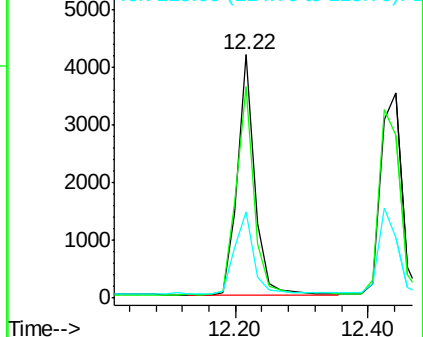


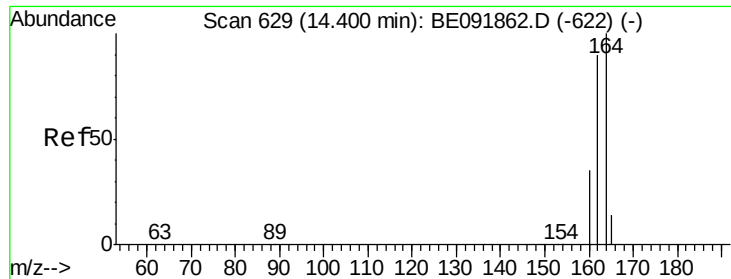
#14
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.22 min Scan# 508
Delta R.T. -0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Tgt Ion: 142 Resp: 7537
Ion Ratio Lower Upper
142 100
141 86.9 71.9 107.9
115 35.5 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: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

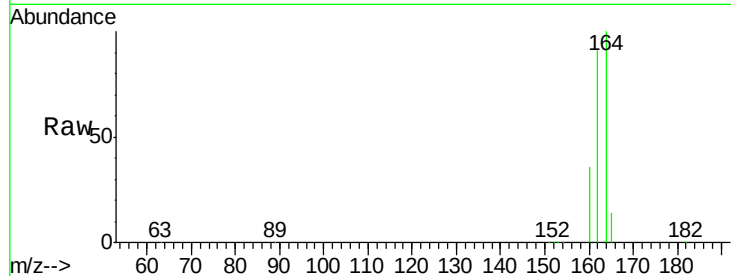
Tgt Ion:164 Resp: 85830

Ion Ratio Lower Upper

164 100

162 91.4 71.8 107.8

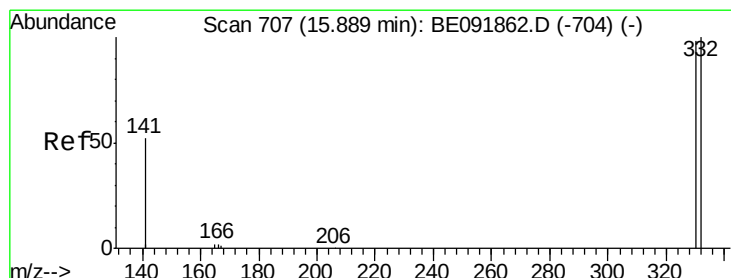
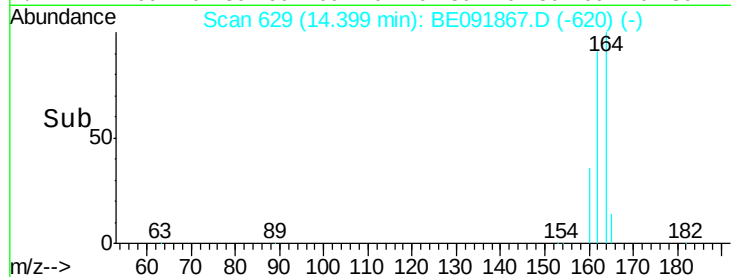
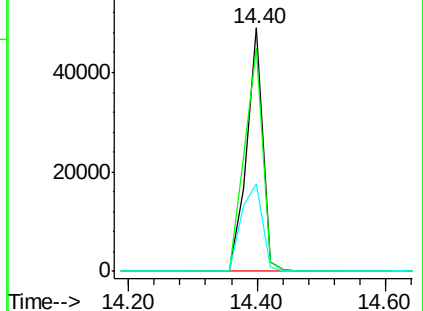
160 35.8 28.0 42.0



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: 0.33 ng

RT: 15.89 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

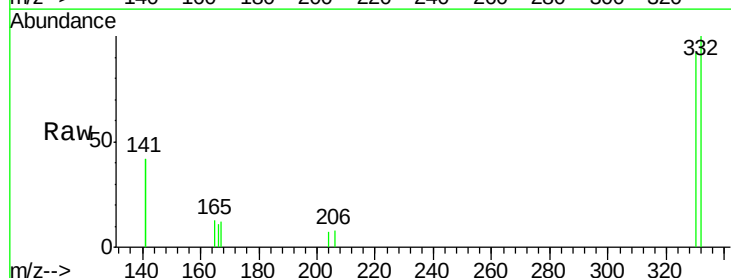
Tgt Ion:330 Resp: 1267

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

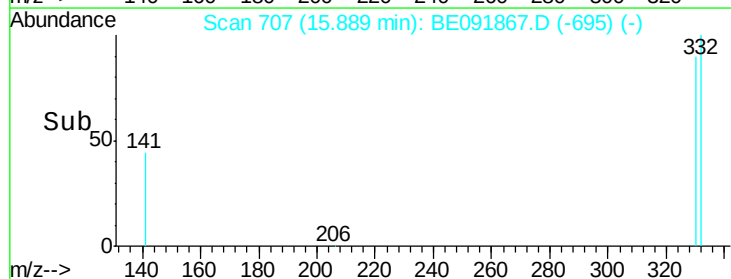
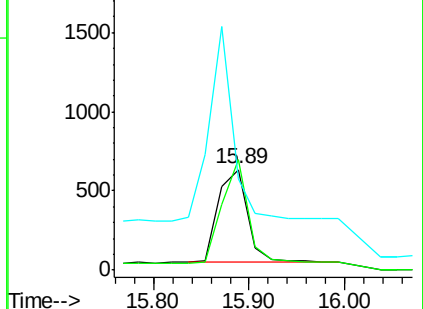
141 172.8 138.4 207.6

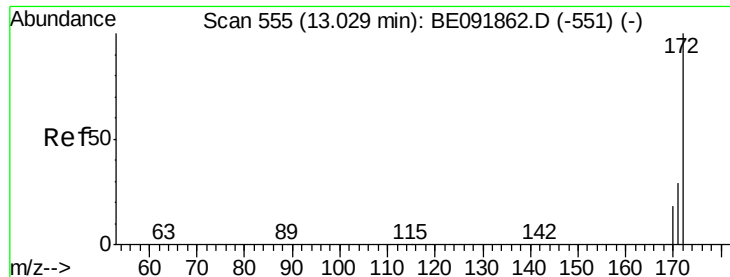


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

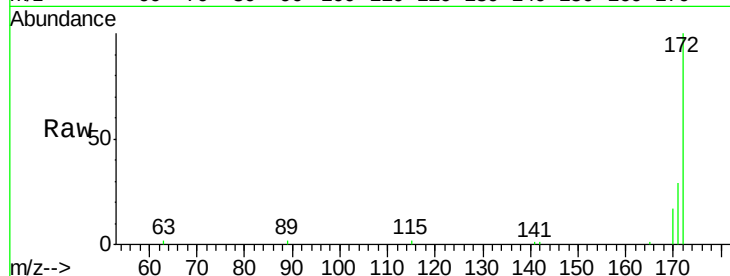




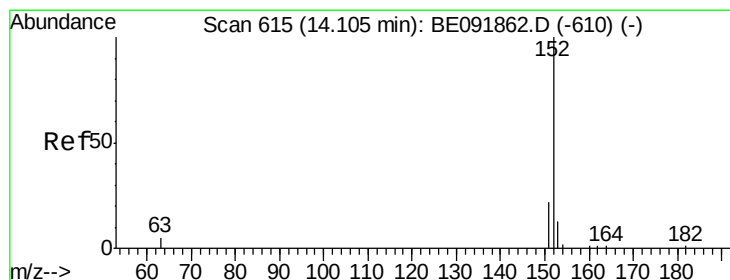
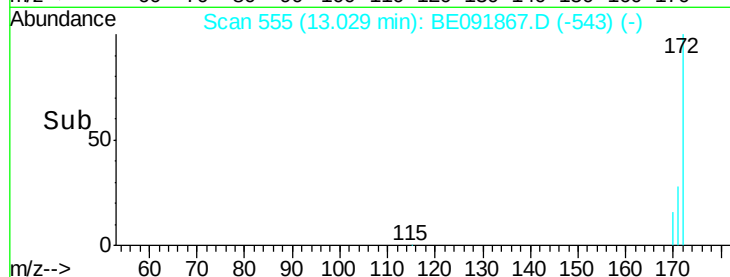
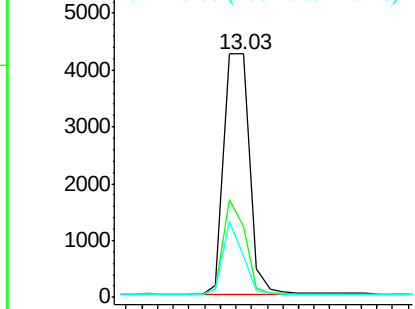
#17
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.03 min Scan# 555
Delta R.T. -0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 9665
Ion Ratio Lower Upper
172 100
171 29.3 24.3 36.5
170 17.1 14.9 22.3

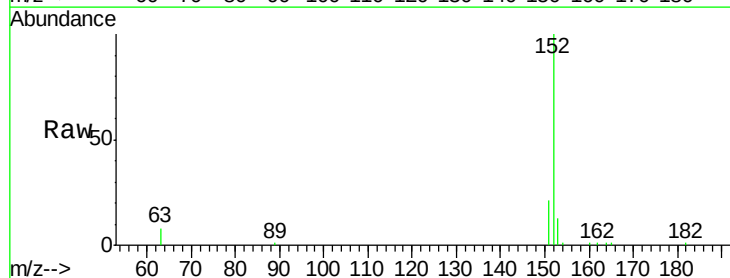


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

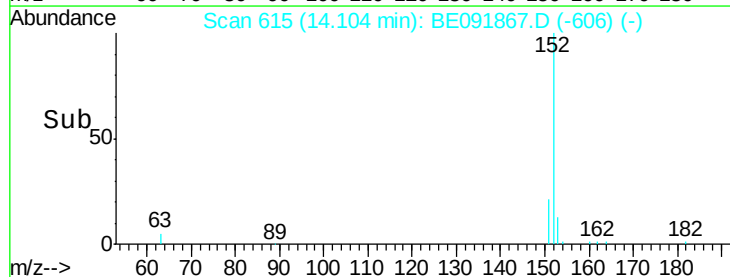
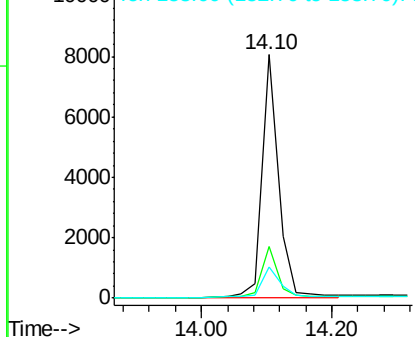


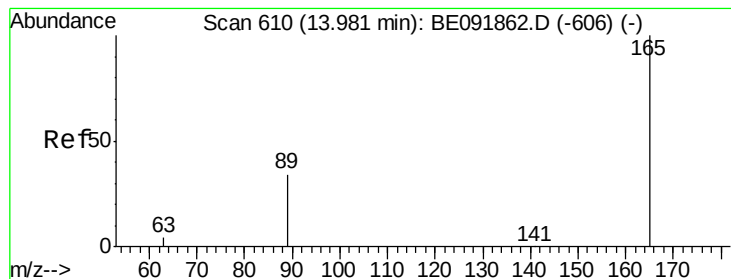
#18
Acenaphthylene
Concen: 0.39 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Tgt Ion:152 Resp: 15555
Ion Ratio Lower Upper
152 100
151 23.0 19.4 29.2
153 16.5 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: 0.33 ng

RT: 13.96 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

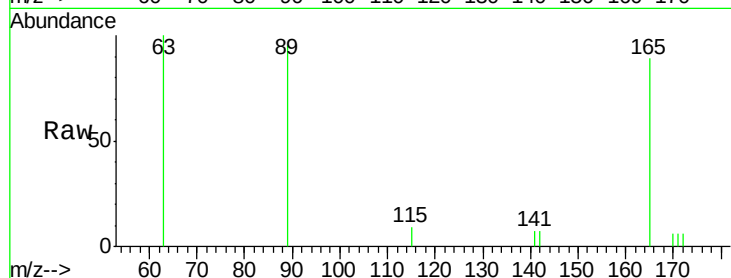
Tgt Ion:165 Resp: 1914

Ion Ratio Lower Upper

165 100

63 85.6 65.9 98.9

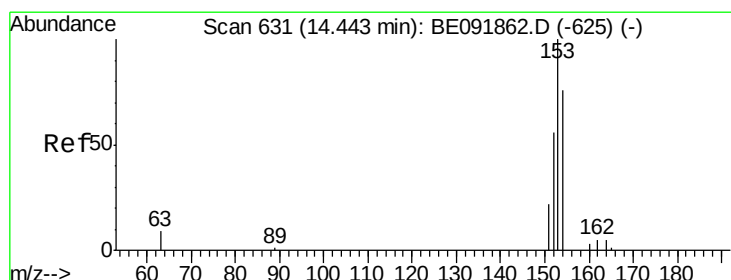
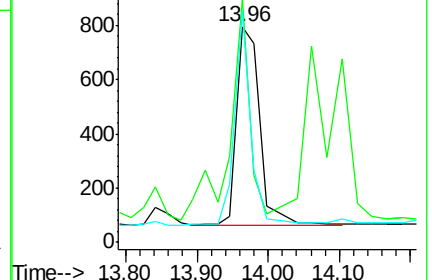
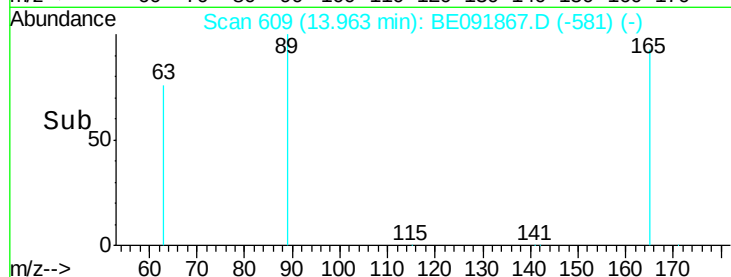
89 76.9 59.1 88.7



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: 0.40 ng

RT: 14.44 min Scan# 631

Delta R.T. -0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

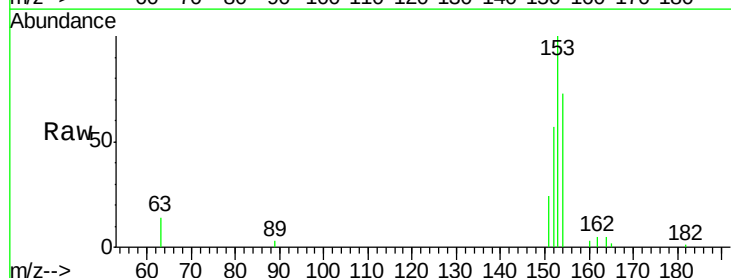
Tgt Ion:154 Resp: 8835

Ion Ratio Lower Upper

154 100

153 109.3 88.1 132.1

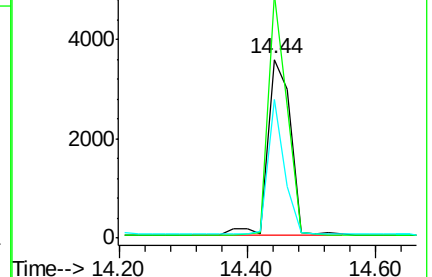
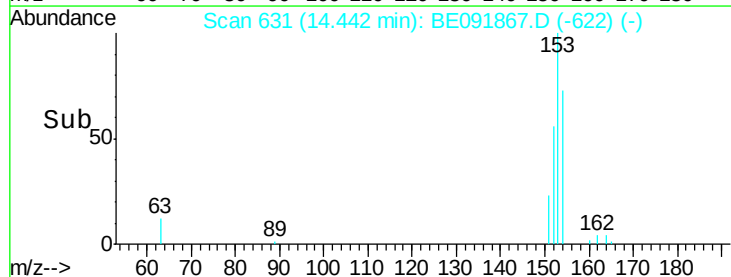
152 54.0 44.2 66.2

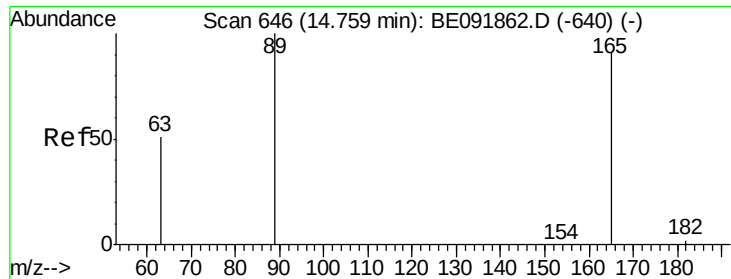


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

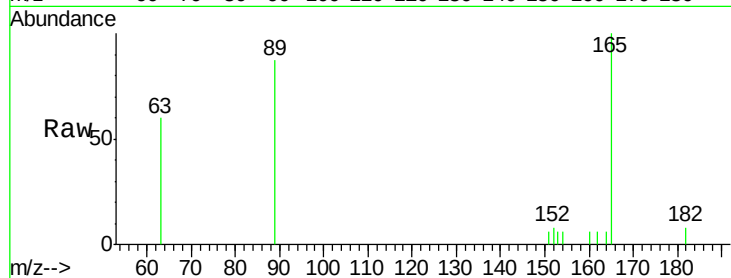




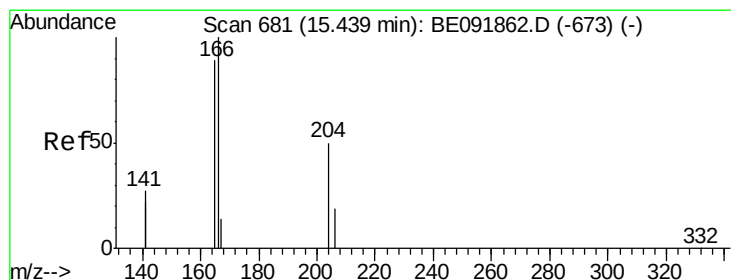
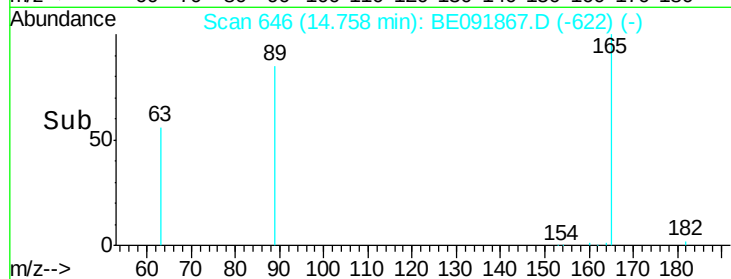
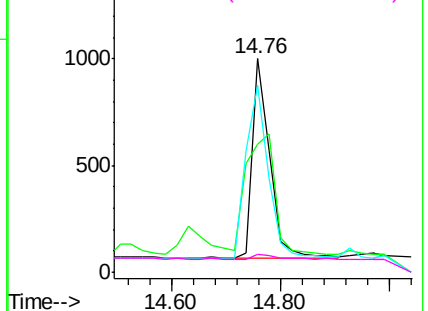
#21
2,4-Dinitrotoluene
Concen: 0.45 ng
RT: 14.76 min Scan# 646
Delta R.T. -0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:165 Resp: 2065
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 121.9 99.8 149.8
182 3.0 0.0 0.0#

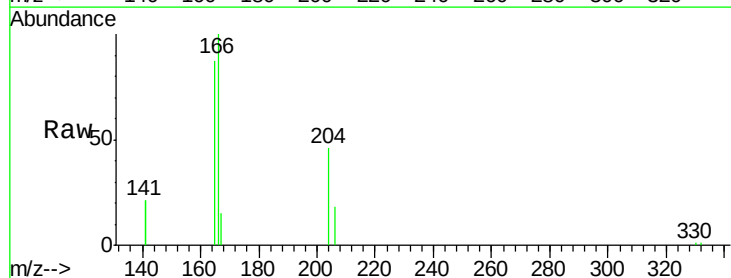


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

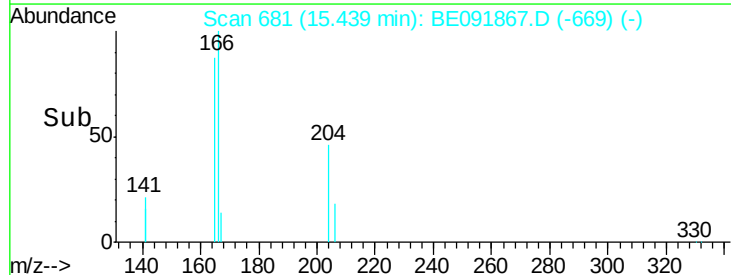
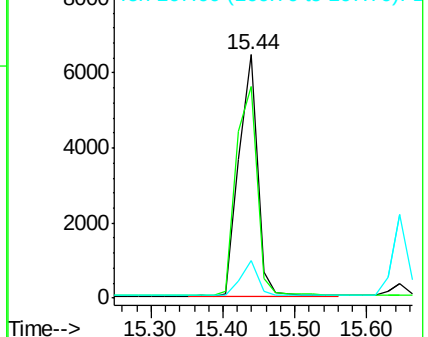


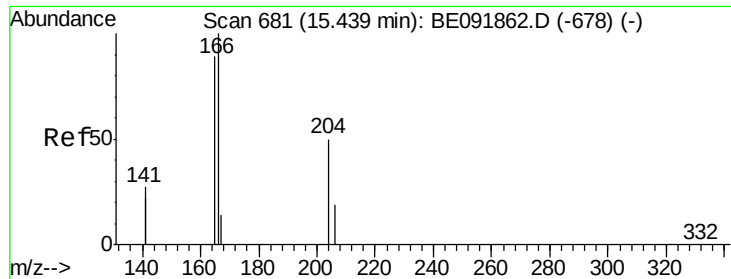
#22
Fluorene
Concen: 0.38 ng
RT: 15.44 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Tgt Ion:166 Resp: 11387
Ion Ratio Lower Upper
166 100
165 98.5 78.6 117.8
167 13.5 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 0.34 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

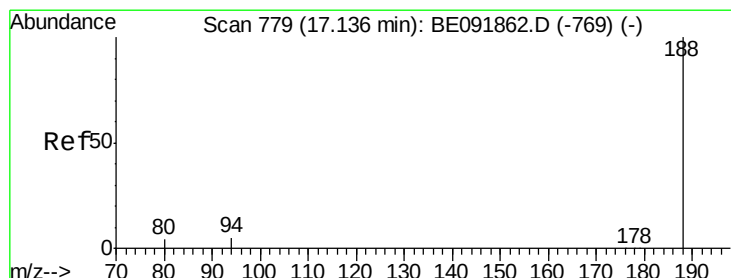
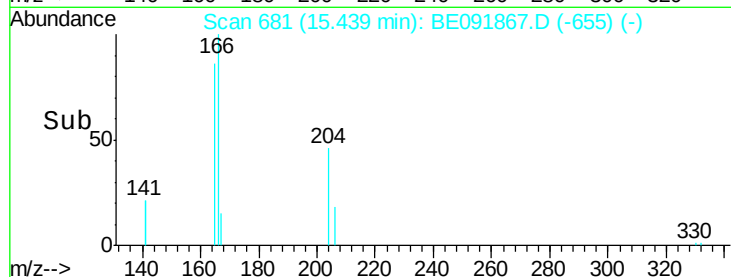
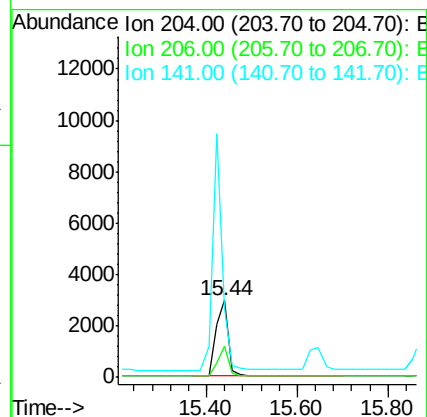
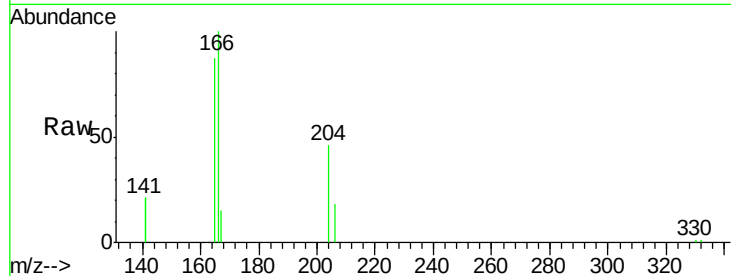
Tgt Ion:204 Resp: 5548

Ion Ratio Lower Upper

204 100

206 33.9 27.8 41.6

141 245.2 197.6 296.4



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

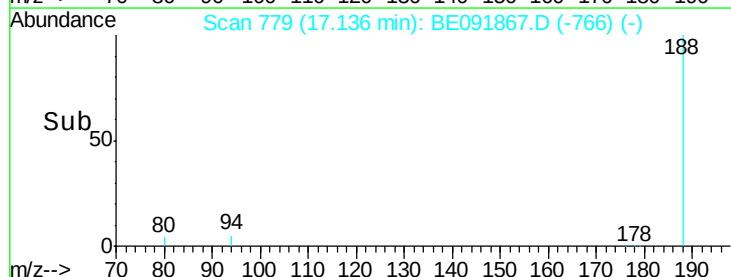
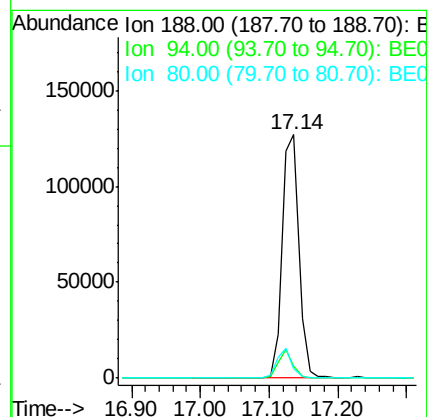
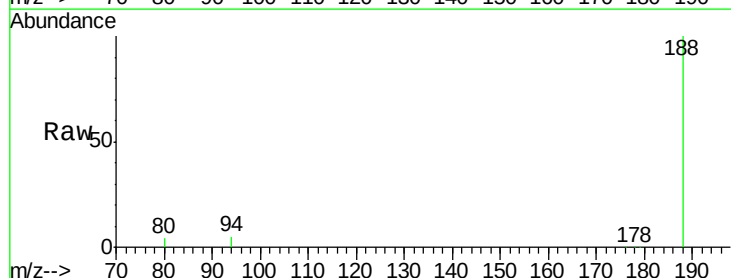
Tgt Ion:188 Resp: 249337

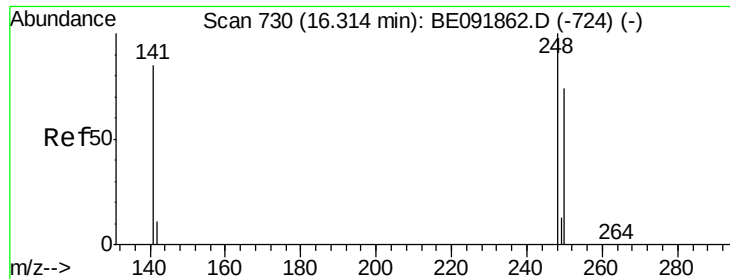
Ion Ratio Lower Upper

188 100

94 4.8 4.1 6.1

80 4.0 3.4 5.2

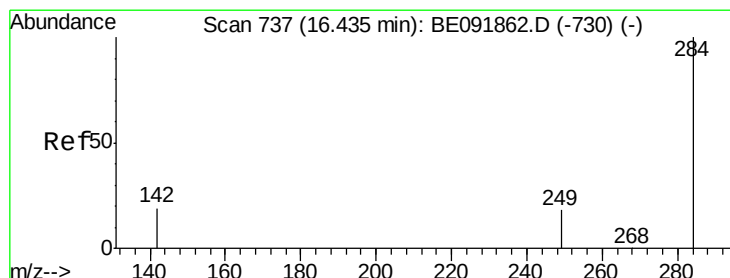
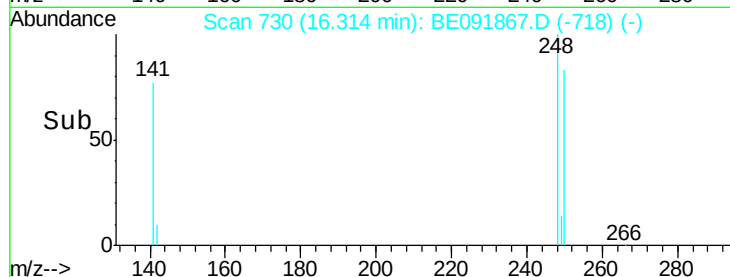
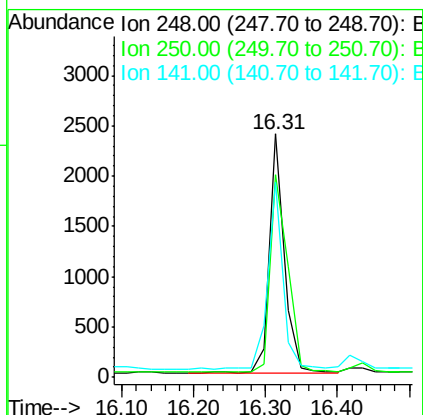
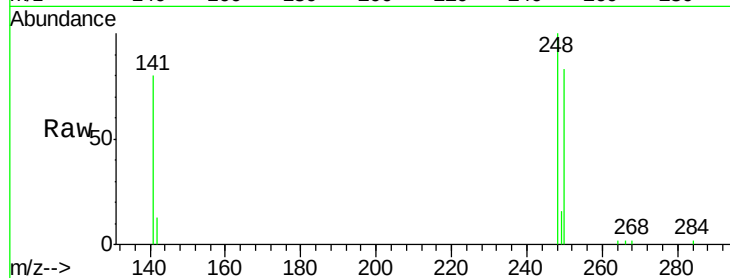




#25
4-Bromophenyl-phenylether
Concen: 0.39 ng
RT: 16.31 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

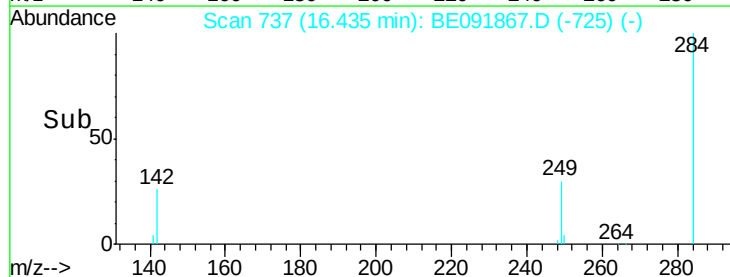
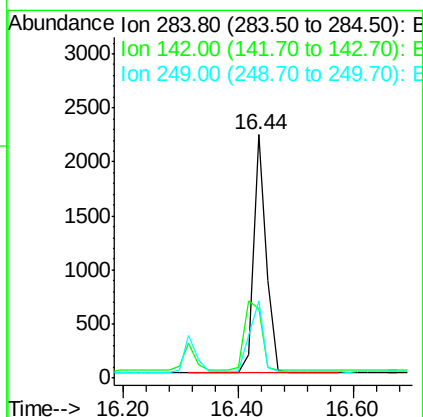
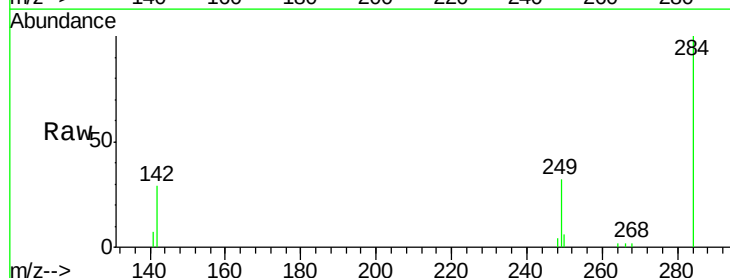
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

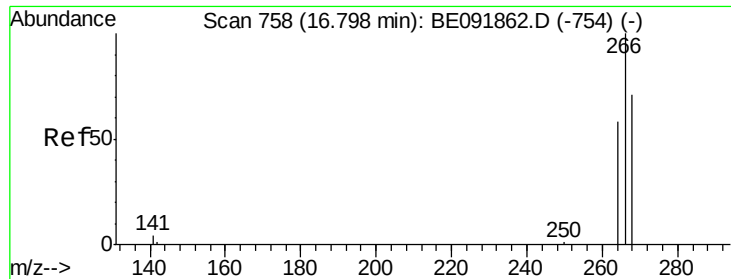
Tgt Ion:248 Resp: 3450
Ion Ratio Lower Upper
248 100
250 96.3 75.7 113.5
141 79.2 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.44 min Scan# 737
Delta R.T. 0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Tgt Ion:284 Resp: 3401
Ion Ratio Lower Upper
284 100
142 38.7 31.4 47.2
249 32.1 25.3 37.9





#27

Pentachlorophenol

Concen: 0.39 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.02 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

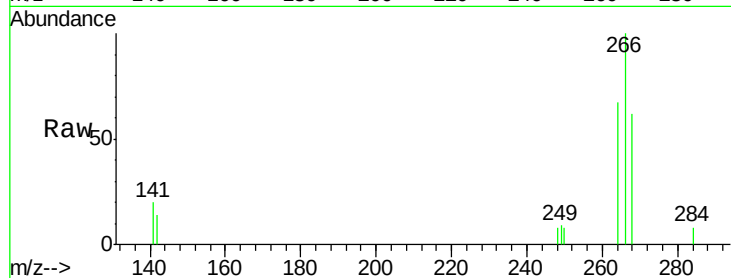
Tgt Ion:266 Resp: 1293

Ion Ratio Lower Upper

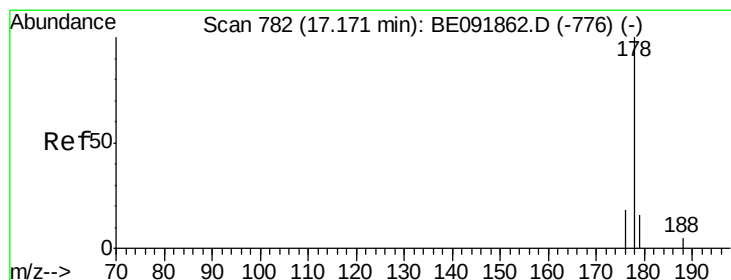
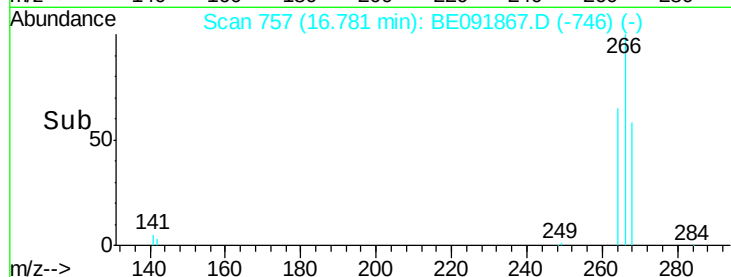
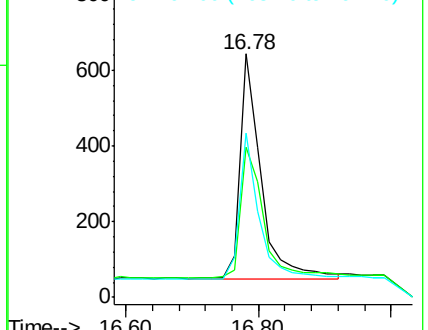
266 100

268 61.6 60.5 90.7

264 67.3 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: 0.36 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

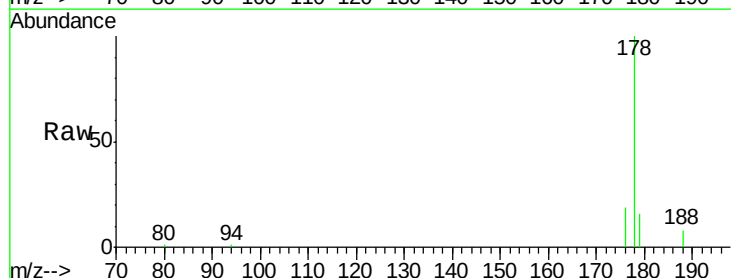
Tgt Ion:178 Resp: 20206

Ion Ratio Lower Upper

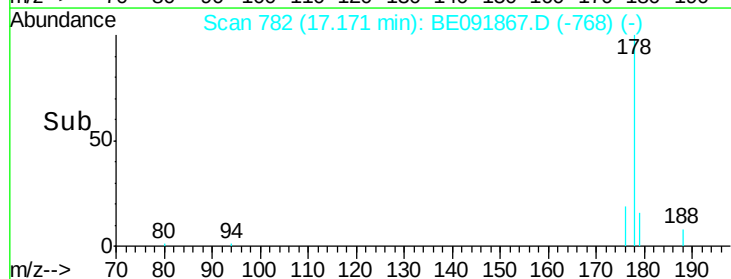
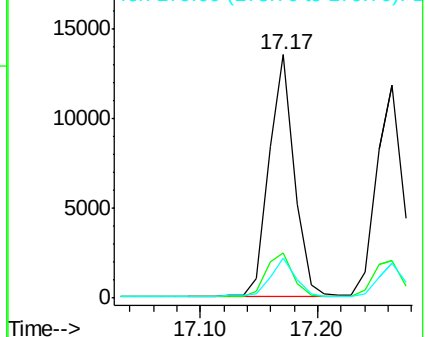
178 100

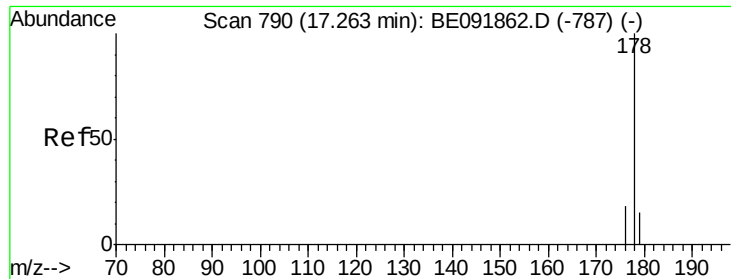
176 19.4 15.4 23.2

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: 0.38 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

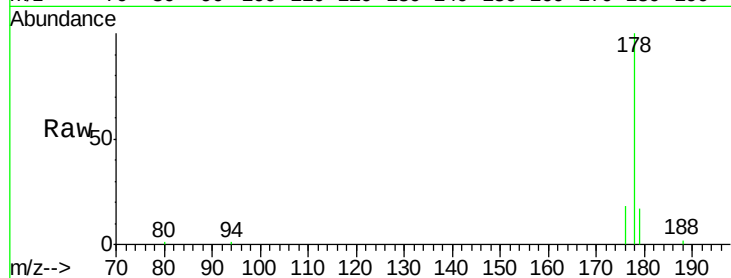
Tgt Ion:178 Resp: 19008

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

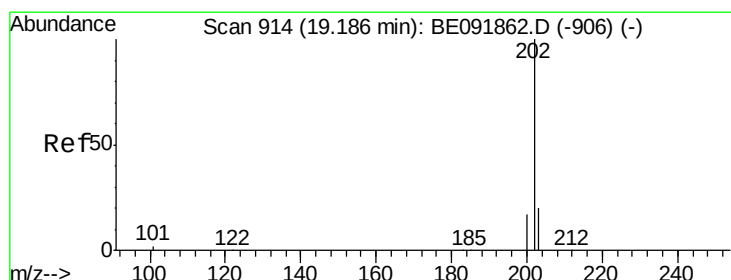
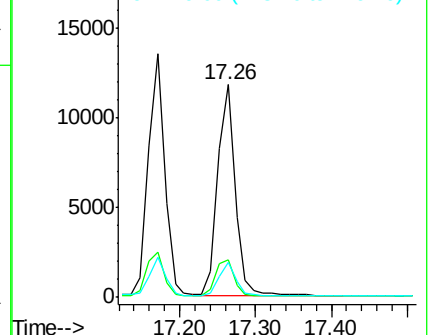
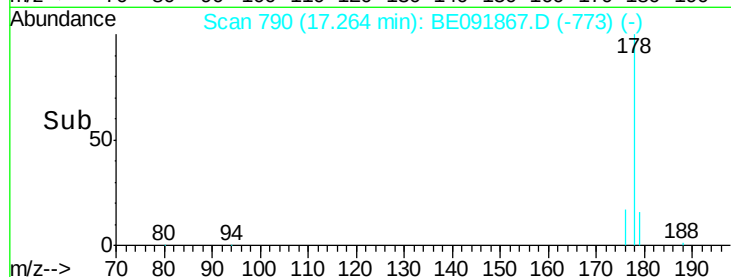
179 15.4 12.1 18.1



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: 0.35 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

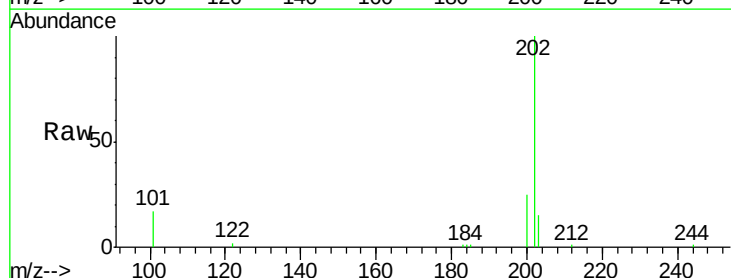
Tgt Ion:202 Resp: 22872

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.0

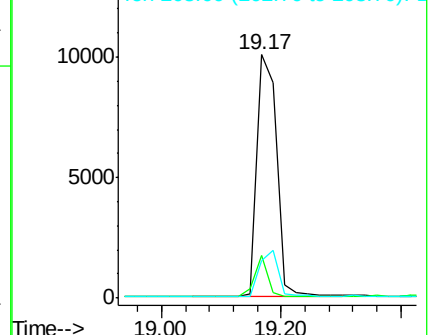
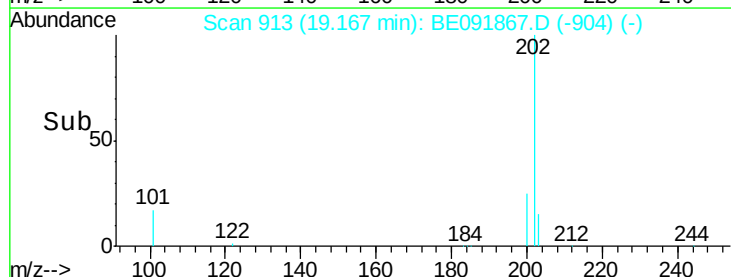
203 17.9 14.3 21.5

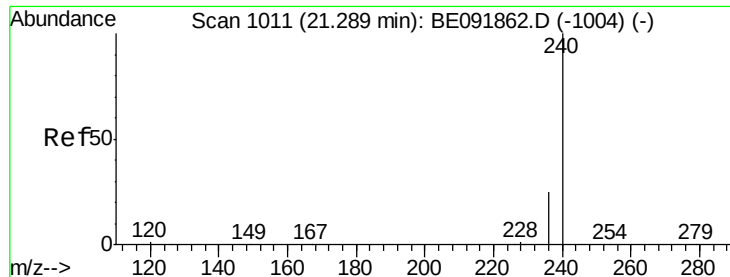


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

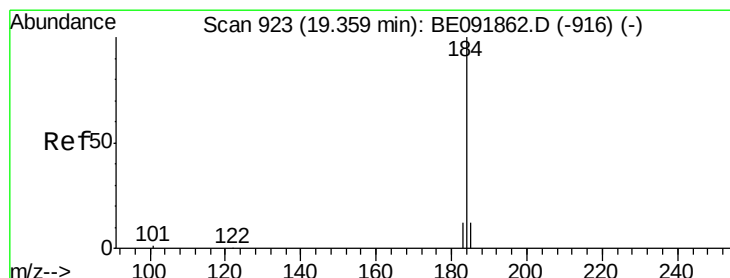
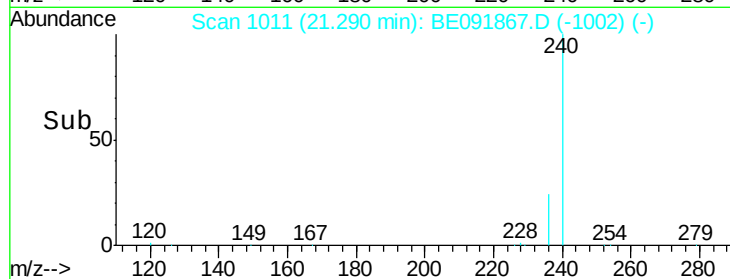
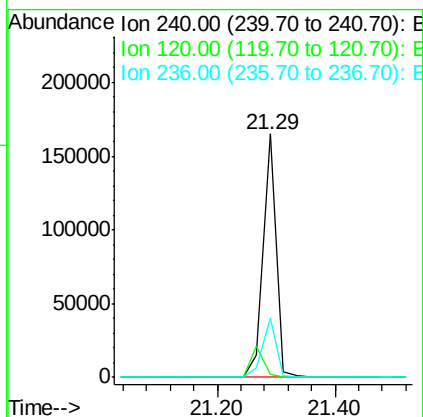
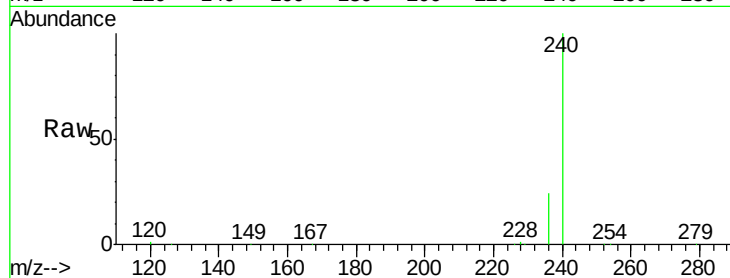




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

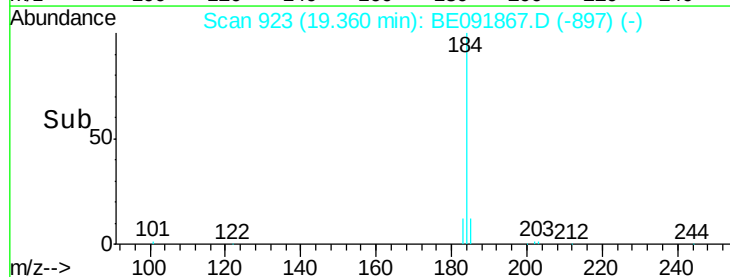
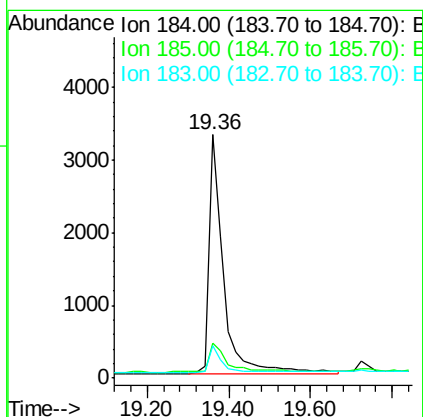
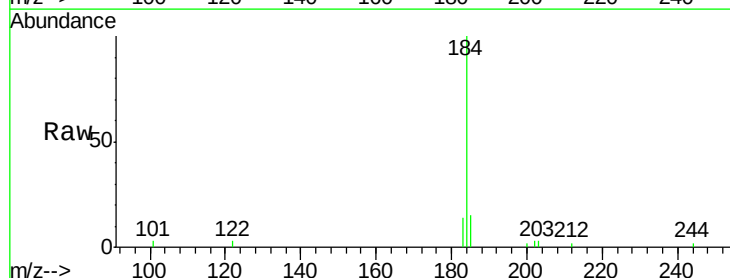
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

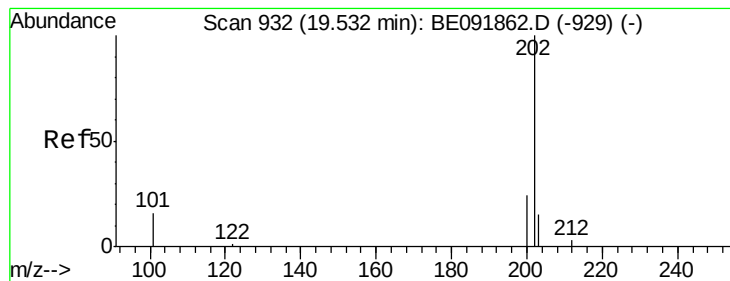
Tgt Ion:240 Resp: 257897
Ion Ratio Lower Upper
240 100
120 1.3 1.2 1.8
236 24.2 19.8 29.8



#32
Benzidine
Concen: 0.45 ng
RT: 19.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Tgt Ion:184 Resp: 8072
Ion Ratio Lower Upper
184 100
185 14.5 11.4 17.2
183 13.6 11.8 17.6





#33

Pyrene

Concen: 0.44 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

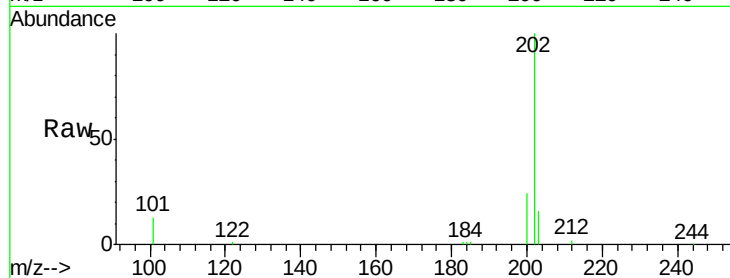
Tgt Ion:202 Resp: 24286

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

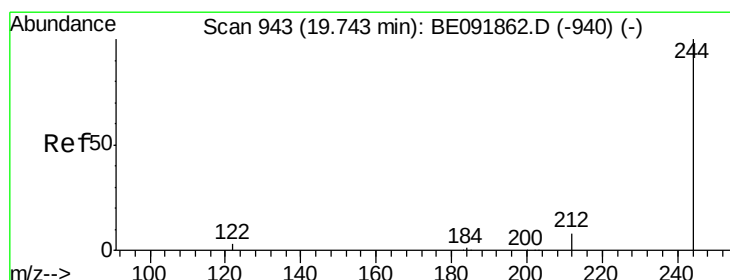
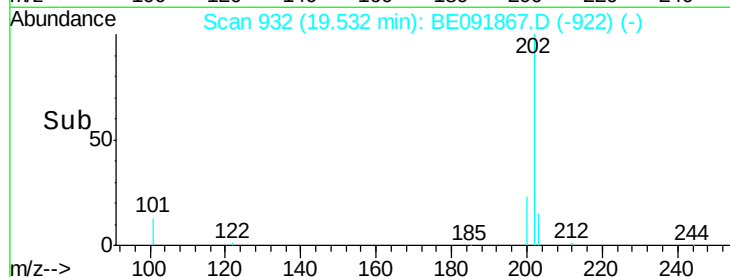
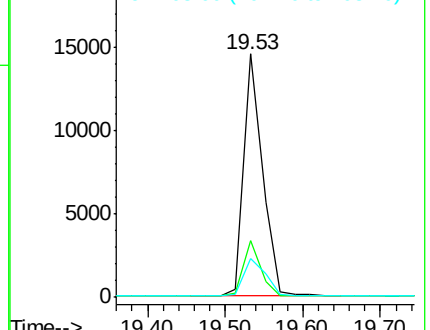
203 17.8 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.43 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

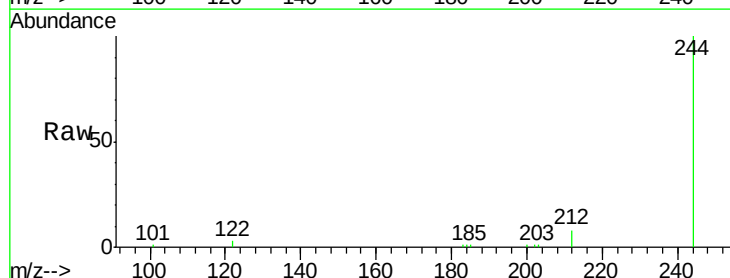
Tgt Ion:244 Resp: 16768

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

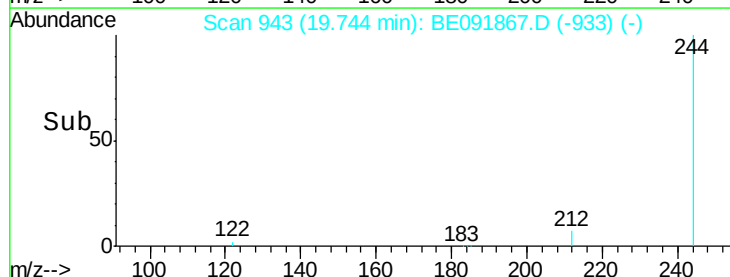
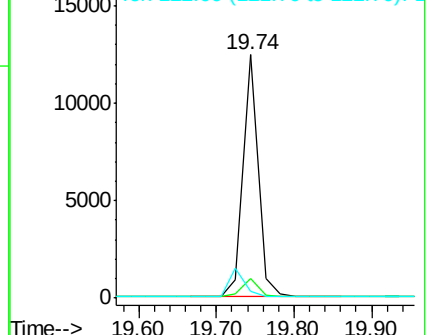
122 2.8 2.9 4.3#

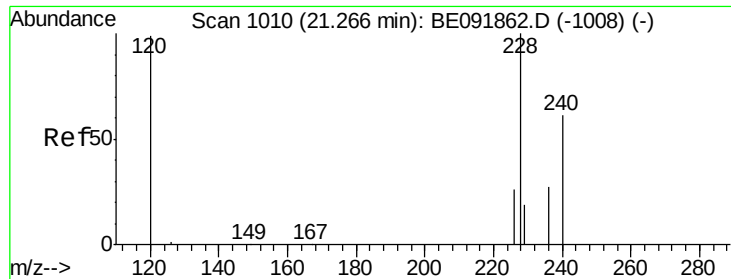


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

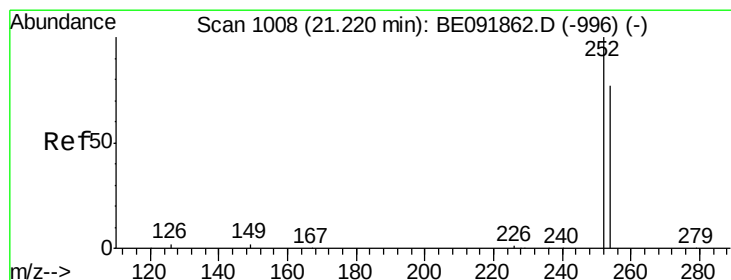
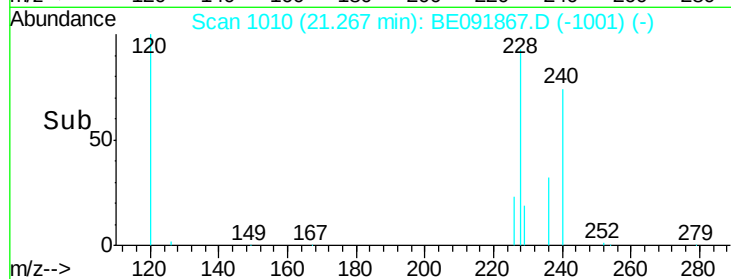
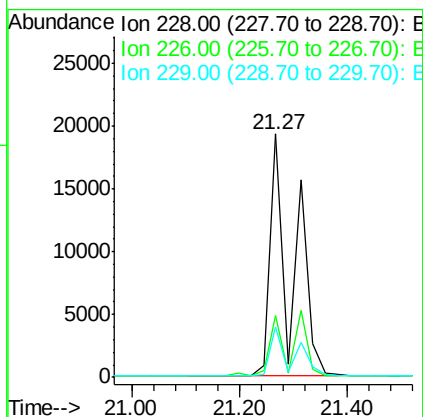
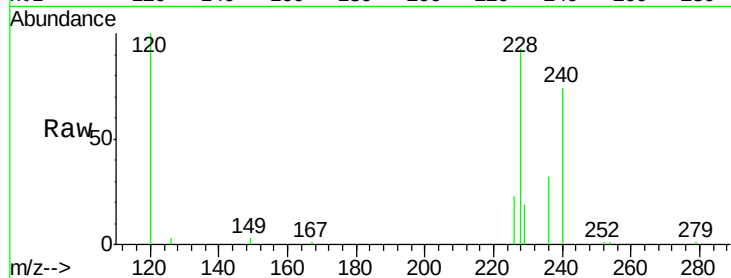




#35
Benzo(a)anthracene
Concen: 0.80 ng
RT: 21.27 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

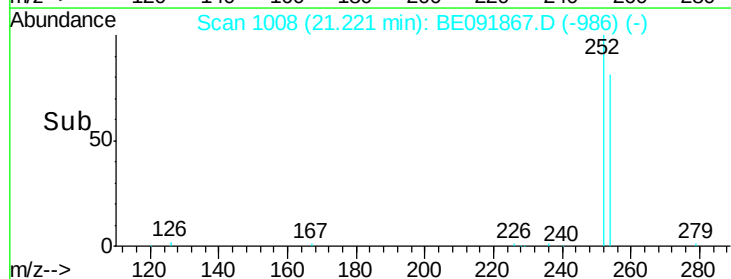
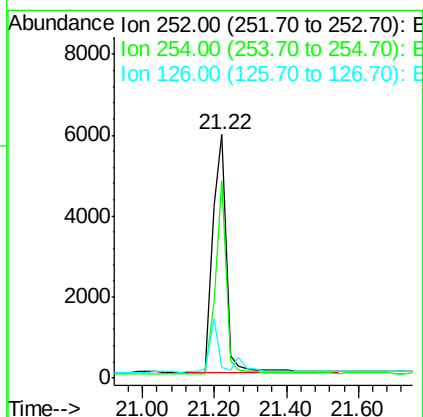
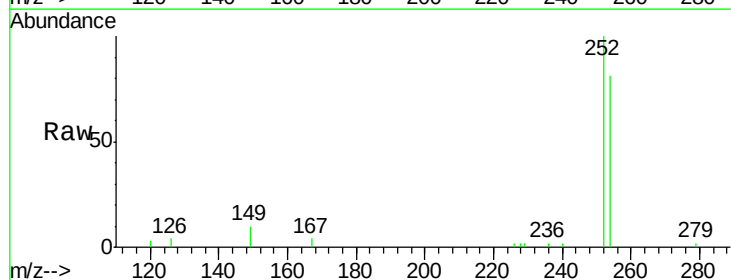
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

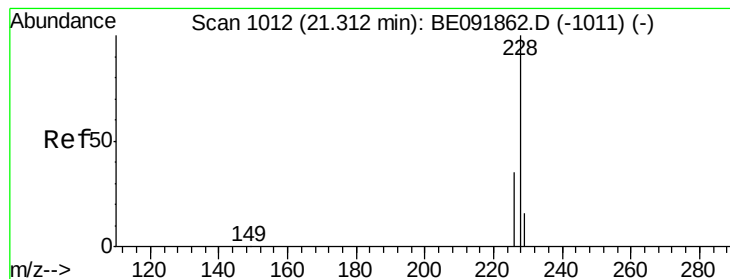
Tgt Ion: 228 Resp: 54896
Ion Ratio Lower Upper
228 100
226 25.2 21.0 31.4
229 20.9 15.8 23.8



#36
3,3'-Dichlorobenzidine
Concen: 0.41 ng
RT: 21.22 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BE091867.D
Acq: 25 May 2016 20:26

Tgt Ion: 252 Resp: 15415
Ion Ratio Lower Upper
252 100
254 81.3 61.5 92.3
126 4.2 2.5 3.7#





#37

Chrysene

Concen: 0.95 ng

RT: 21.27 min Scan# 1010

Delta R.T. -0.05 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

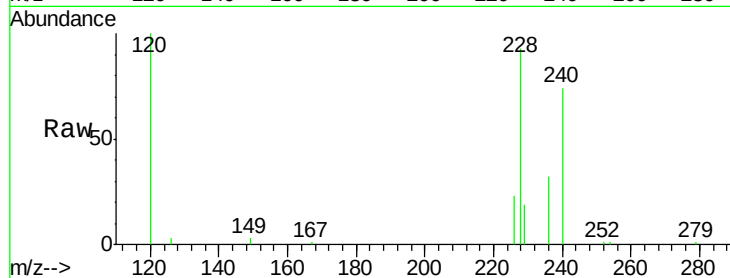
Tgt Ion:228 Resp: 55066

Ion Ratio Lower Upper

228 100

226 25.2 27.0 40.6#

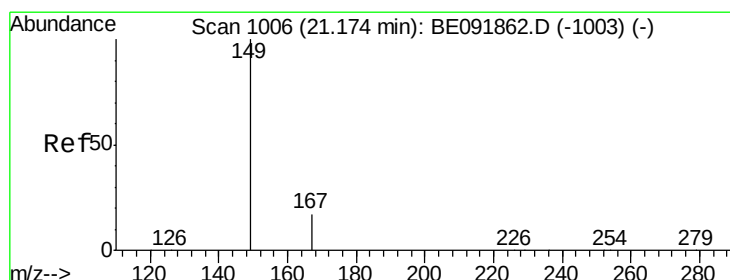
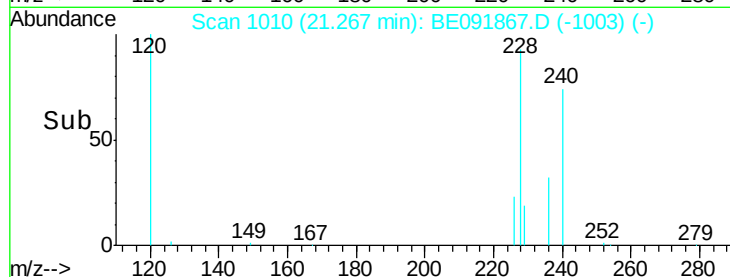
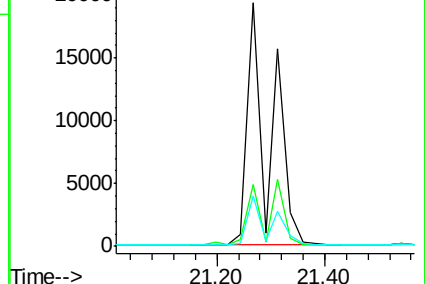
229 20.9 13.8 20.8#



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: 0.49 ng

RT: 21.17 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

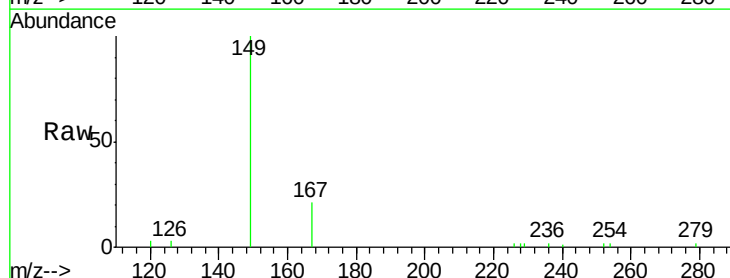
Tgt Ion:149 Resp: 12216

Ion Ratio Lower Upper

149 100

167 25.7 0.0 0.0#

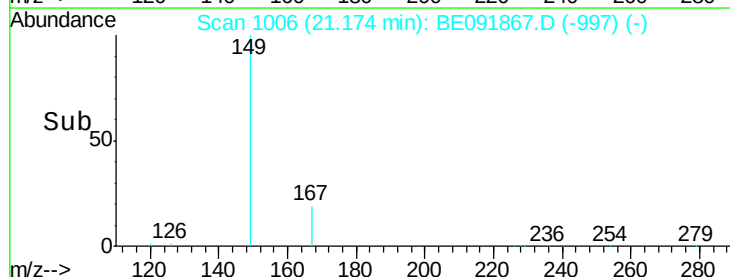
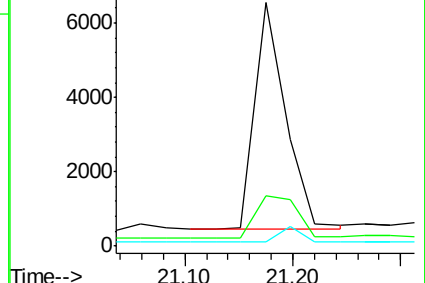
279 0.0 0.0 0.0

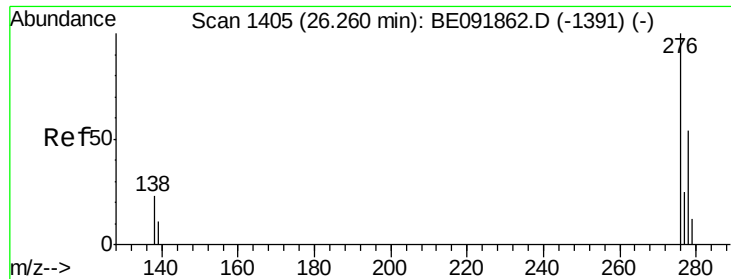


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

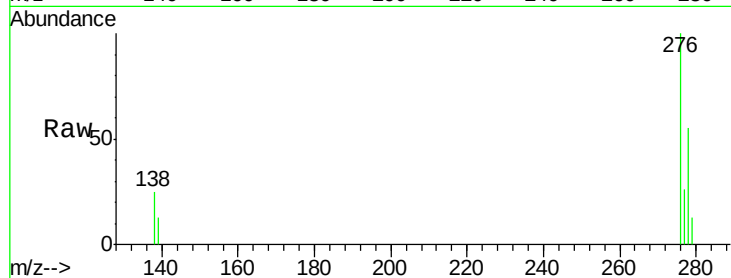




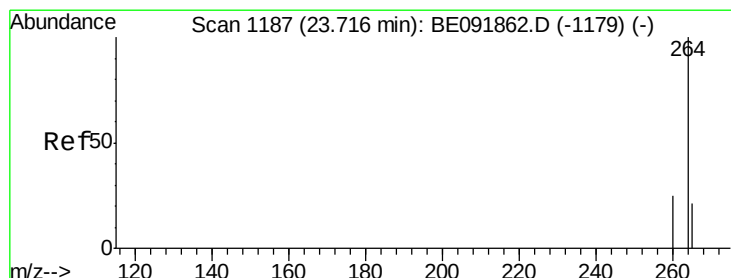
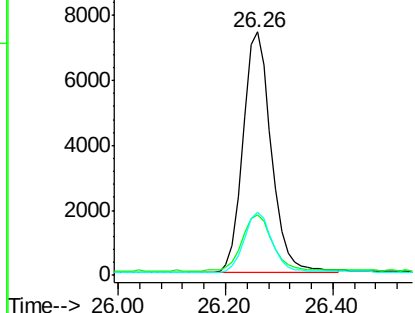
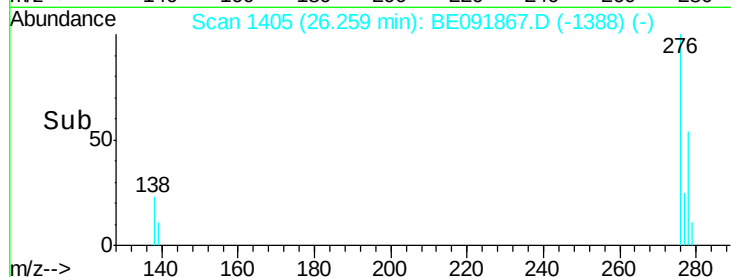
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.42 ng
 RT: 26.26 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BE091867.D
 Acq: 25 May 2016 20:26

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion: 276 Resp: 27102
 Ion Ratio Lower Upper
 276 100
 138 24.7 19.7 29.5
 277 24.7 20.1 30.1

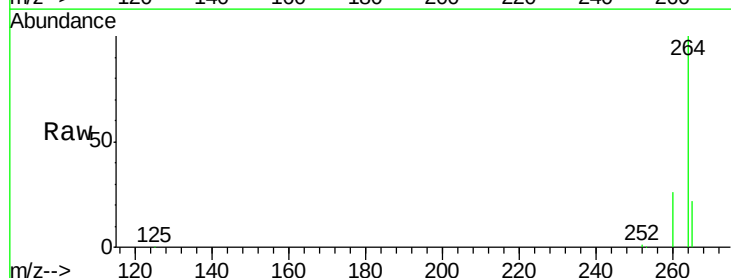


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

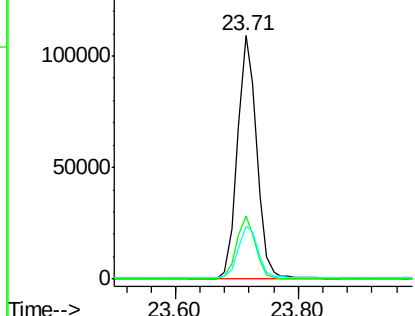
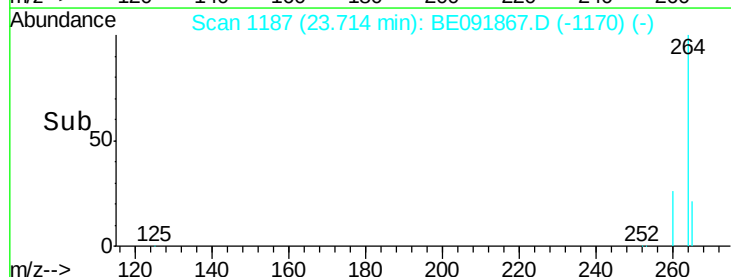


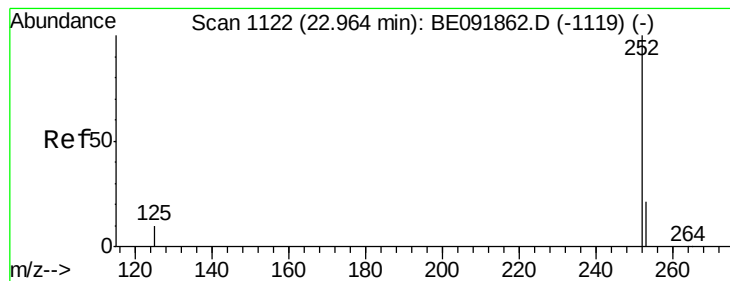
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BE091867.D
 Acq: 25 May 2016 20:26

Tgt Ion: 264 Resp: 240456
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.3 30.5
 265 22.0 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: 0.41 ng

RT: 22.96 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

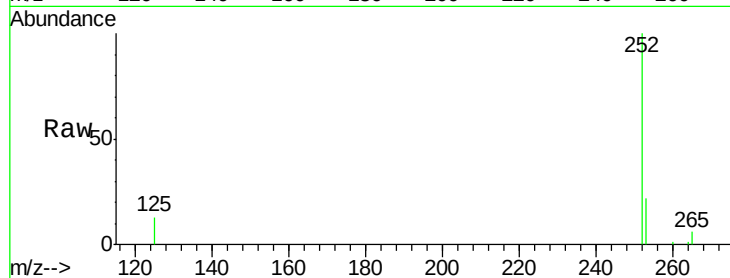
Tgt Ion:252 Resp: 26878

Ion Ratio Lower Upper

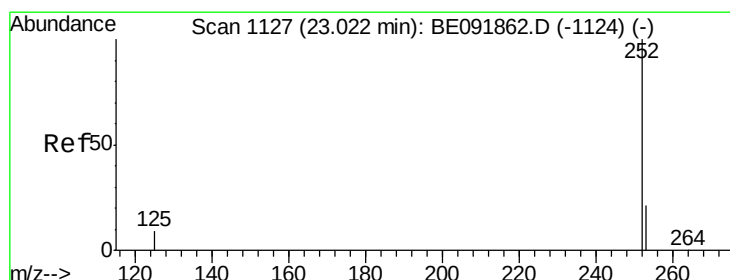
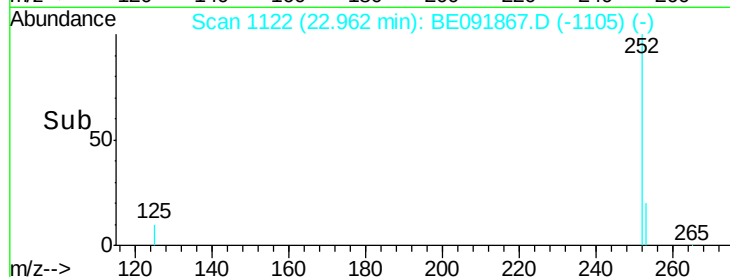
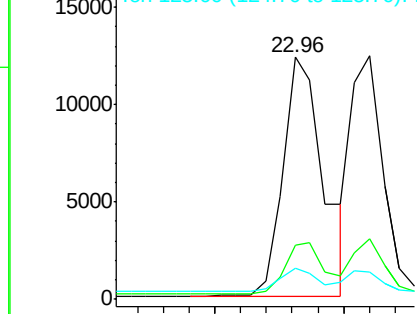
252 100

253 22.2 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: 0.37 ng

RT: 23.02 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

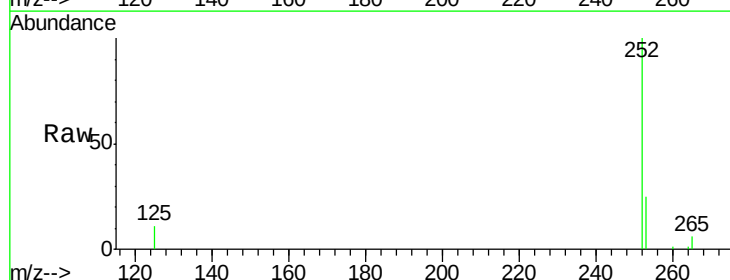
Tgt Ion:252 Resp: 21730

Ion Ratio Lower Upper

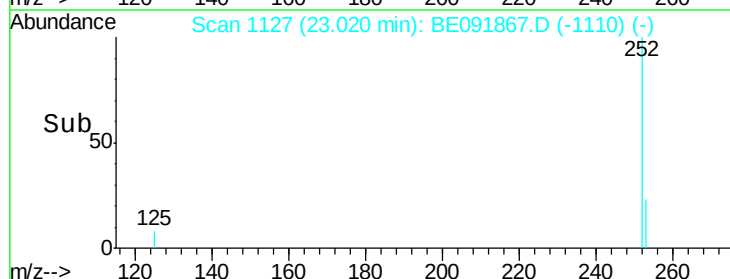
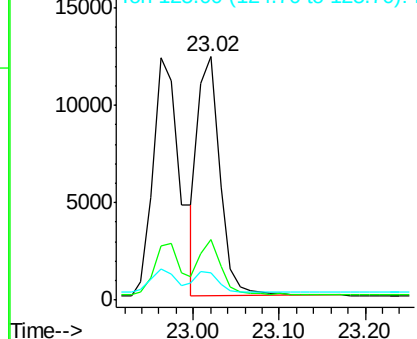
252 100

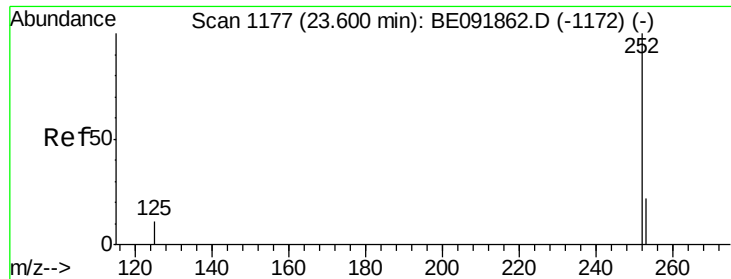
253 24.8 19.4 29.2

125 11.5 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: BE091867.D

Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

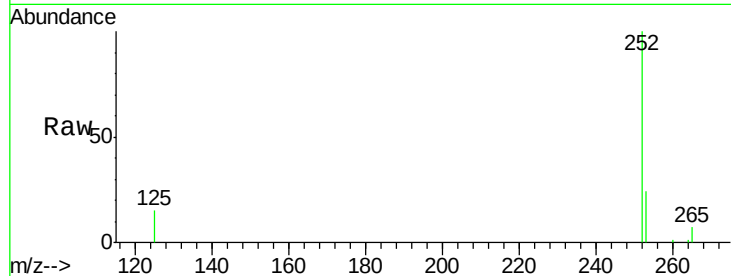
Tgt Ion:252 Resp: 23339

Ion Ratio Lower Upper

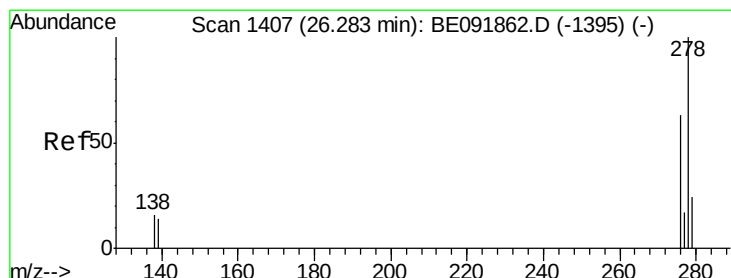
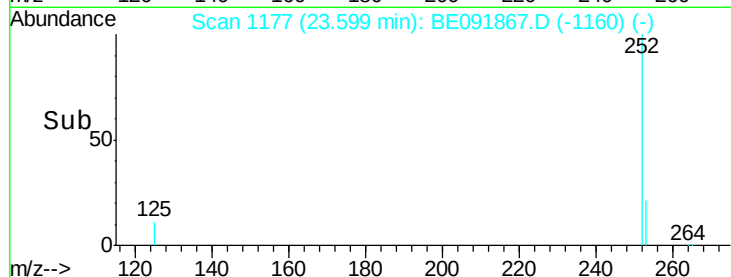
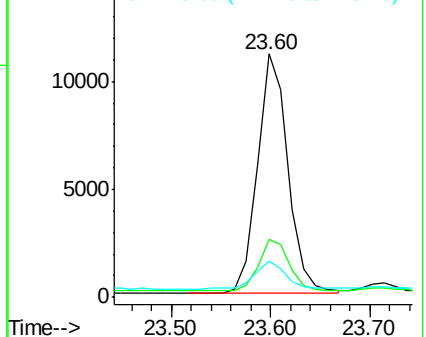
252 100

253 23.6 18.9 28.3

125 14.7 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: 26.28 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE091867.D

Acq: 25 May 2016 20:26

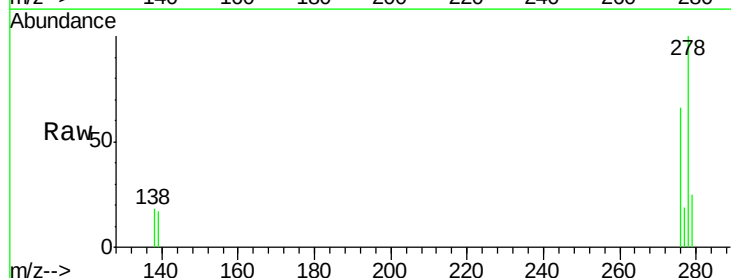
Tgt Ion:278 Resp: 22328

Ion Ratio Lower Upper

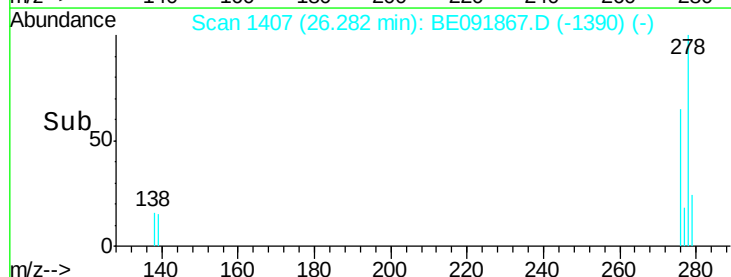
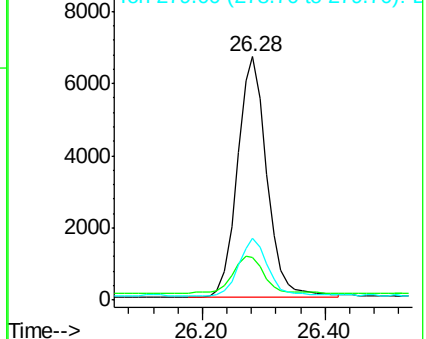
278 100

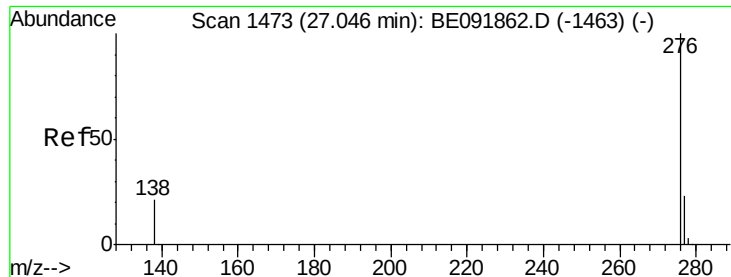
139 17.5 12.6 18.8

279 25.2 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: BE091867.D

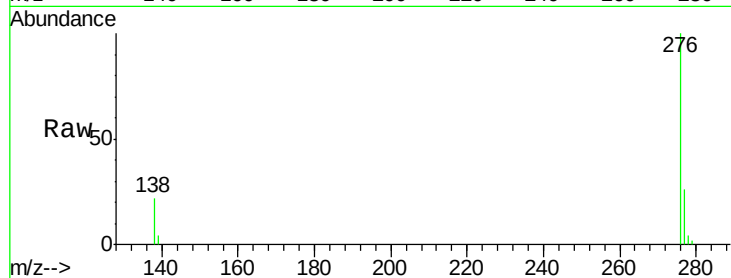
Acq: 25 May 2016 20:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion: 276 Resp: 22813

Ion Ratio Lower Upper

276 100

277 25.5 19.5 29.3

138 22.1 17.7 26.5

