

Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\
 Data File : BE091864.D
 Acq On : 25 May 2016 18:30
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 25 19:01:00 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 18:37:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	22970	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	105416	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	66892	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	207094	5.00	ng	0.00
31) Chrysene-d12	21.29	240	242289	5.00	ng	0.00
40) Perylene-d12	23.71	264	231766	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2270	0.35	ng	0.00
5) Phenol-d6	6.95	99	2804	0.33	ng	0.00
9) Nitrobenzene-d5	8.94	82	2957	0.35	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	959	0.32	ng	0.00
17) 2-Fluorobiphenyl	13.03	172	7092	0.36	ng	0.00
34) Terphenyl-d14	19.74	244	13844	0.38	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	1189	0.42	ng	97
3) n-Nitrosodimethylamine	3.63	42	1346	0.32	ng	# 93
6) bis(2-Chloroethyl)ether	7.20	93	2462	0.34	ng	99
7) n-Nitroso-di-n-propylamine	8.57	70	2184	0.33	ng	# 94
10) Nitrobenzene	8.96	77	2717	0.33	ng	# 100
11) bis(2-Chloroethoxy)methane	9.98	93	4397	0.44	ng	# 68
12) Naphthalene	10.61	128	8264	0.36	ng	100
13) Hexachlorobutadiene	10.90	225	1293	0.37	ng	100
14) 2-Methylnaphthalene	12.22	142	5455	0.36	ng	99
18) Acenaphthylene	14.10	152	10951	0.35	ng	100
19) 2,6-Dinitrotoluene	13.98	165	1357	0.29	ng	99
20) Acenaphthene	14.46	154	6218	0.35	ng	# 5
21) 2,4-Dinitrotoluene	14.78	165	1408	0.42	ng	# 1
22) Fluorene	15.44	166	8160	0.35	ng	100
23) 4-Chlorophenyl-phenylether	15.44	204	4175	0.31	ng	97
25) 4-Bromophenyl-phenylether	16.31	248	2617	0.35	ng	98
26) Hexachlorobenzene	16.44	284	2533	0.36	ng	98
27) Pentachlorophenol	16.80	266	744	0.27	ng	98
28) Phenanthrene	17.17	178	15806	0.30	ng	100
29) Anthracene	17.26	178	14209	0.34	ng	99
30) Fluoranthene	19.19	202	18056	0.27	ng	99
32) Benzidine	19.38	184	6070	0.38	ng	# 92
33) Pyrene	19.53	202	19586	0.38	ng	99
35) Benzo(a)anthracene	21.27	228	47432	0.73	ng	98
36) 3,3'-Dichlorobenzidine	21.22	252	12357	0.35	ng	99
37) Chrysene	21.27	228	47561	0.82	ng	# 87
38) Bis(2-ethylhexyl)phthalate	21.17	149	8415	0.36	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.26	276	22797	0.38	ng	99
41) Benzo(b)fluoranthene	22.96	252	22766	0.36	ng	100
42) Benzo(k)fluoranthene	23.02	252	18952	0.33	ng	99
43) Benzo(a)pyrene	23.60	252	19438	0.34	ng	99
44) Dibenzo(a,h)anthracene	26.28	278	18750	0.35	ng	99
45) Benzo(a,h,i)perylene	27.05	276	19386	0.35	ng	99

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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 18:37:51 2016
Response via : Initial Calibration

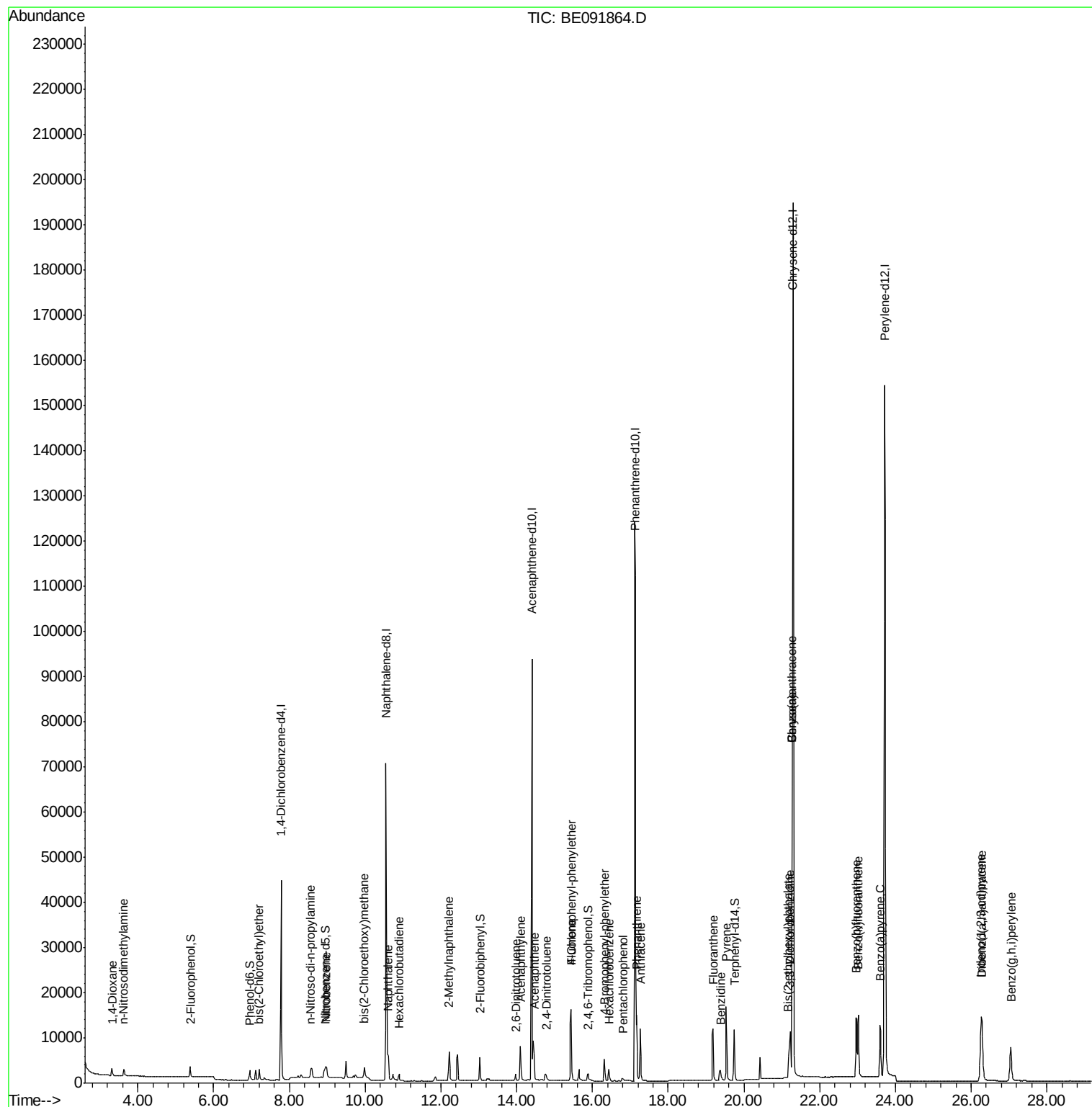
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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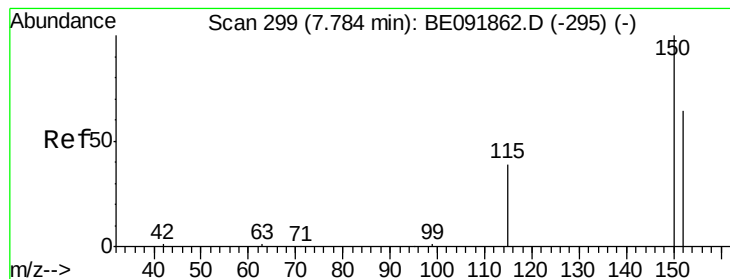
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

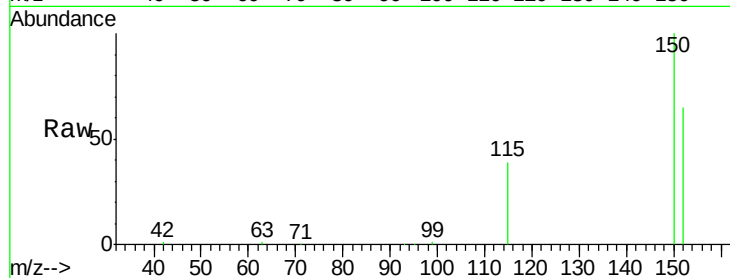
Tot Ion:152 Resp: 22970

Ion Ratio Lower Upper

152 100

150 154.5 123.9 185.9

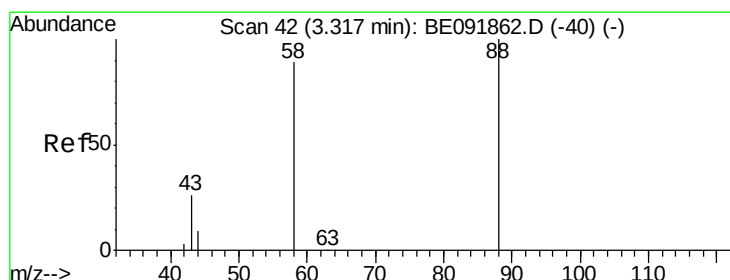
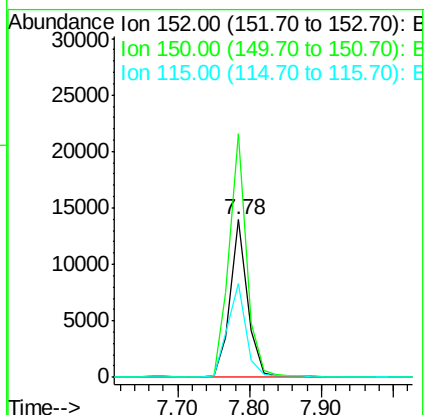
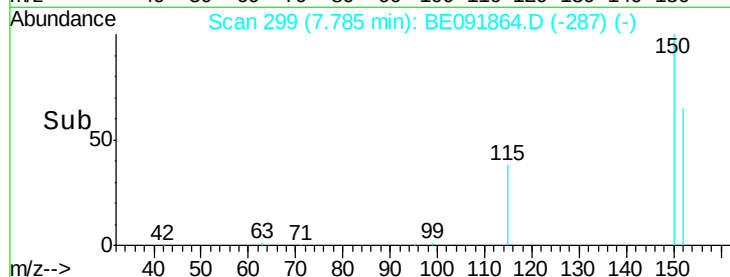
115 59.5 48.3 72.5



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: 0.42 ng

RT: 3.32 min Scan# 42

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

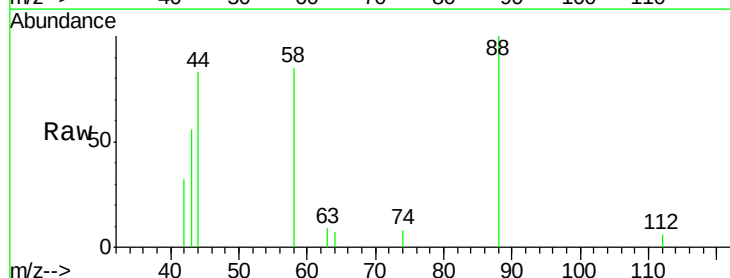
Tgt Ion: 88 Resp: 1189

Ion Ratio Lower Upper

88 100

58 77.3 63.0 94.4

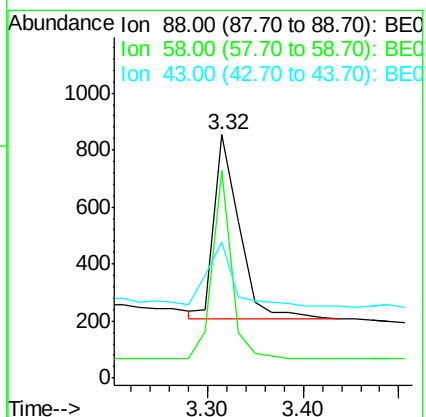
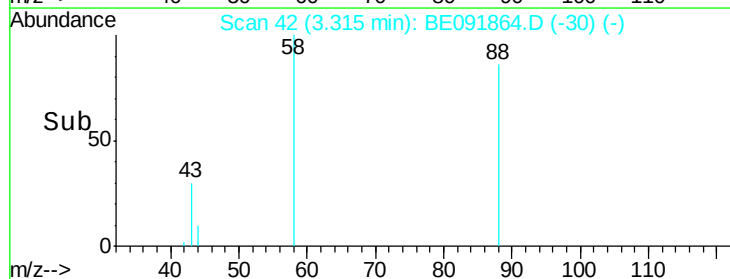
43 40.9 29.1 43.7

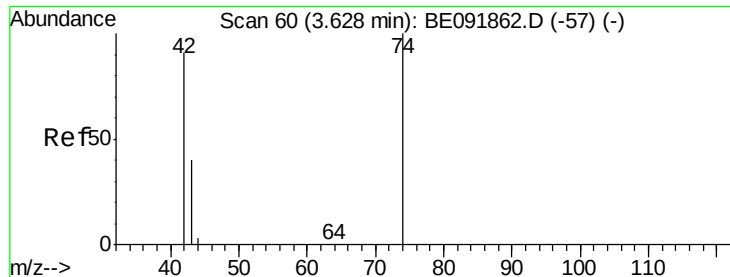


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.32 ng

RT: 3.63 min Scan# 60

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

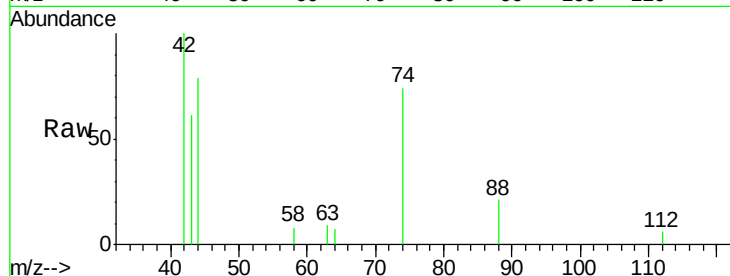
Tot Ion: 42 Resp: 1346

Ion Ratio Lower Upper

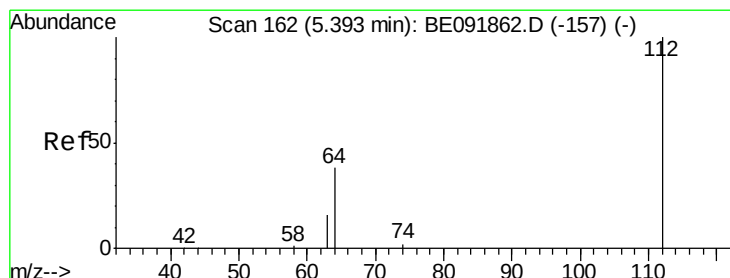
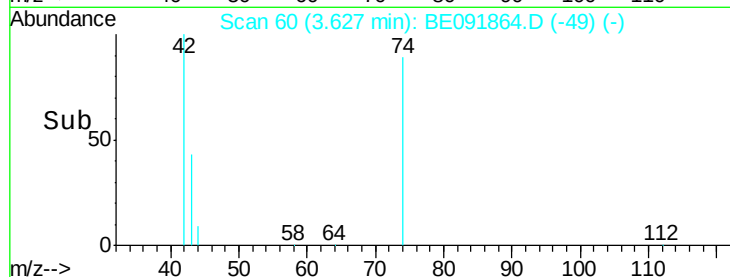
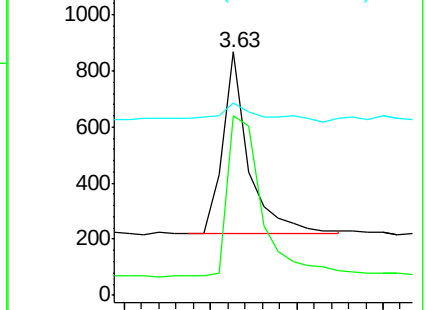
42 100

74 123.0 93.4 140.0

44 19.8 5.0 7.6#



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



#4

2-Fluorophenol

Concen: 0.35 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

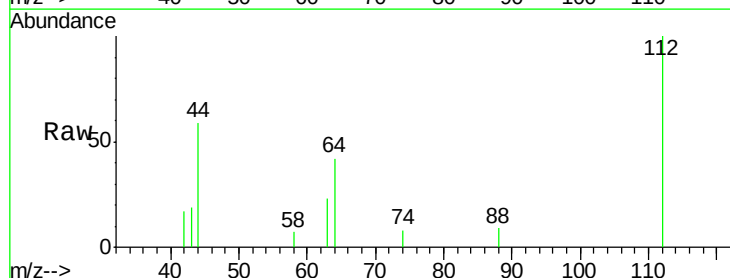
Tgt Ion: 112 Resp: 2270

Ion Ratio Lower Upper

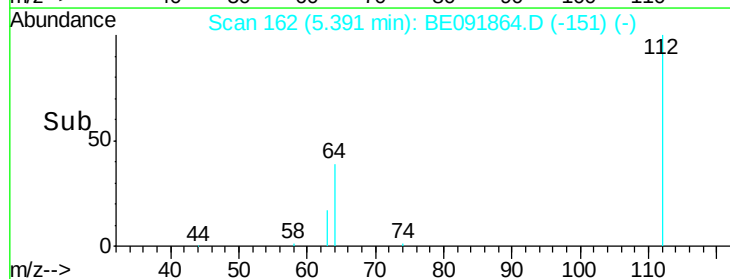
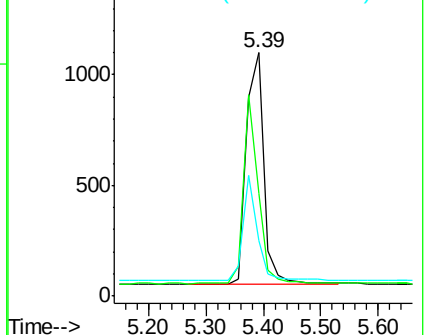
112 100

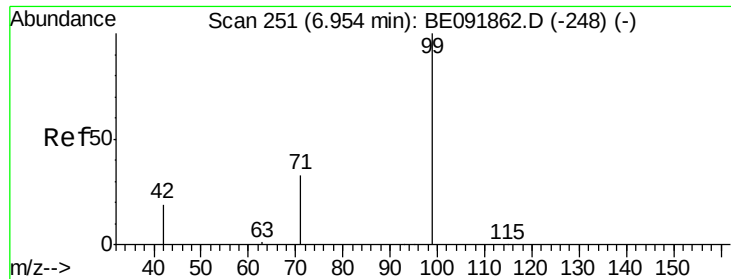
64 67.0 53.7 80.5

63 36.3 29.5 44.3



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





#5

Phenol-d6

Concen: 0.33 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

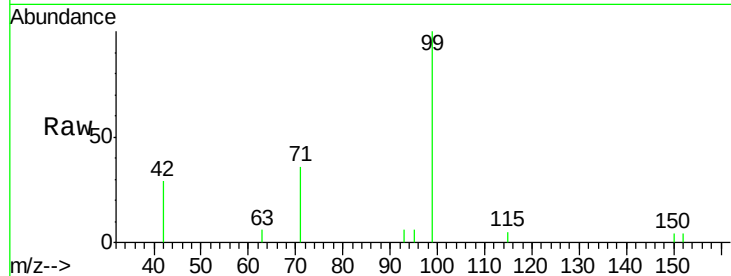
Tot Ion: 99 Resp: 2804

Ion Ratio Lower Upper

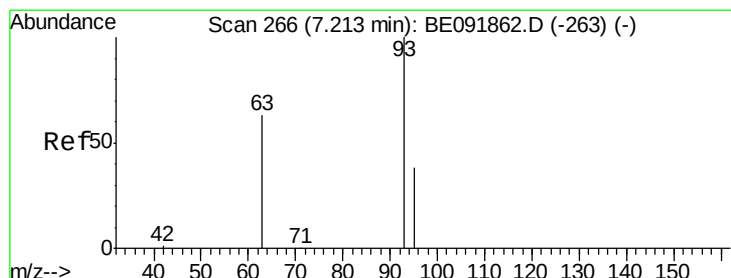
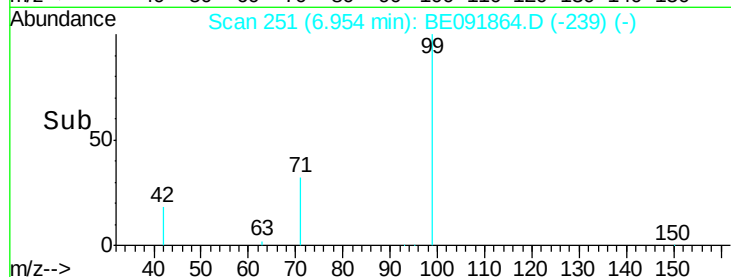
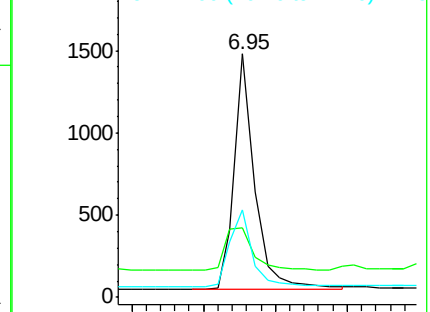
99 100

42 26.1 19.6 29.4

71 35.7 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: 0.34 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.02 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

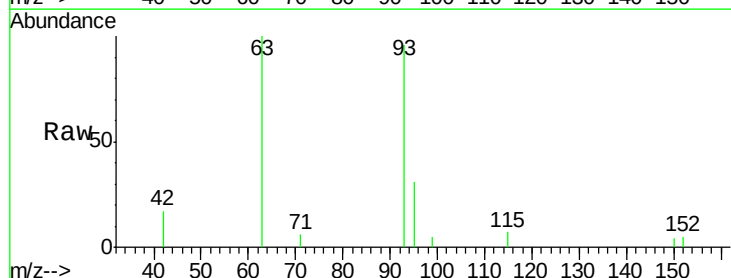
Tgt Ion: 93 Resp: 2462

Ion Ratio Lower Upper

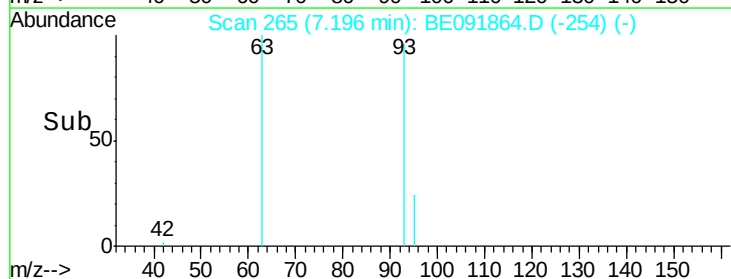
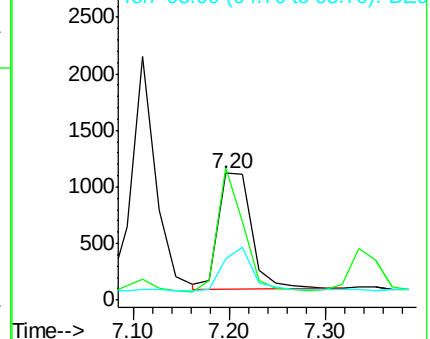
93 100

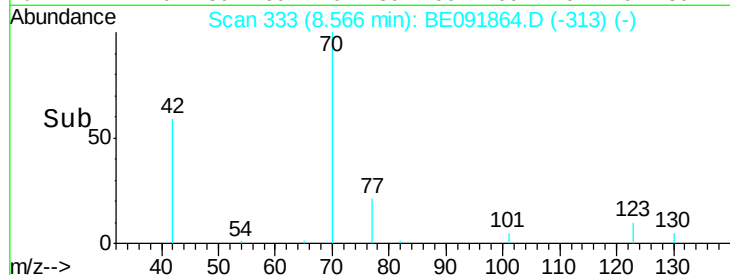
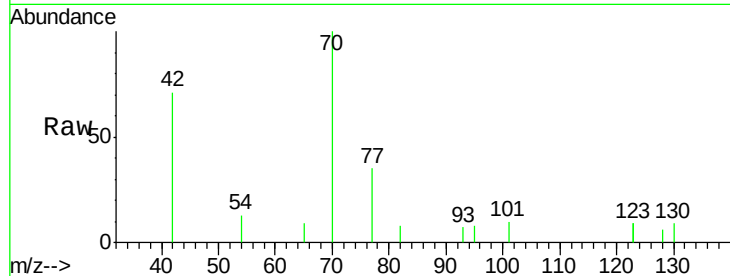
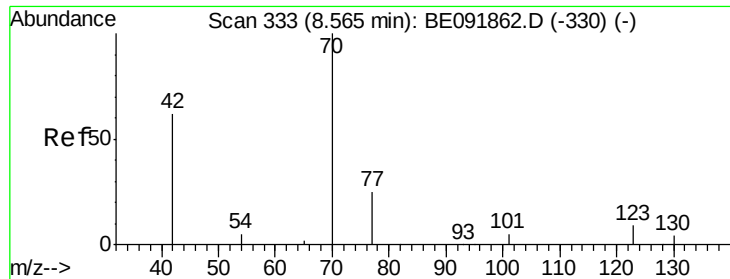
63 83.4 66.2 99.4

95 32.9 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: 0.33 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 2184

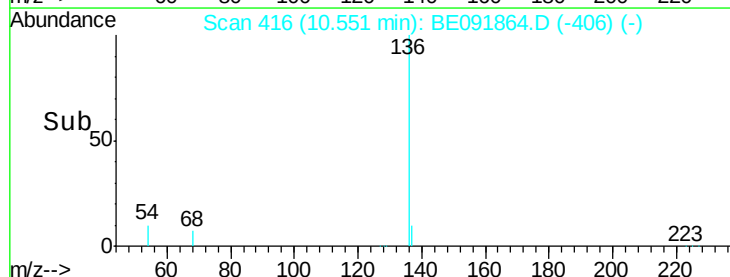
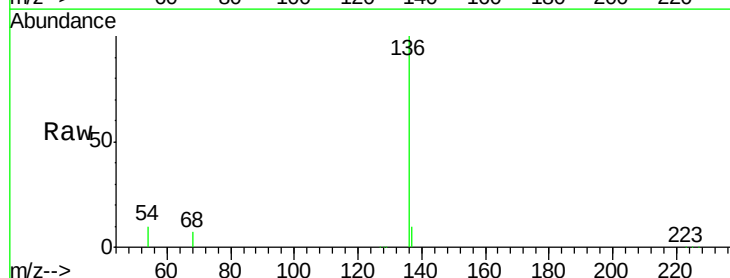
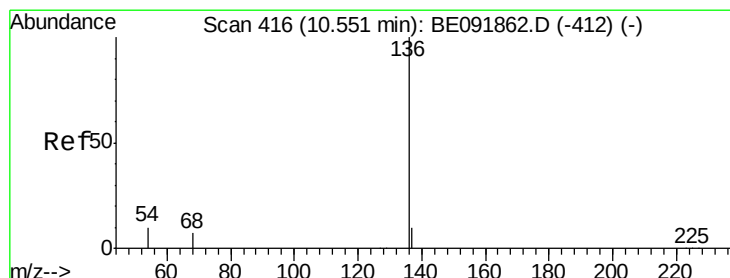
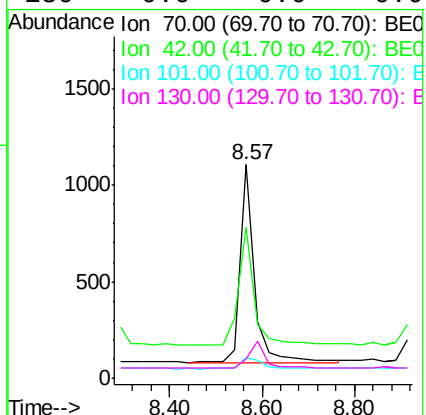
Ion Ratio Lower Upper

70 100

42 67.9 58.4 87.6

101 8.7 6.4 9.6

130 0.0 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: BE091864.D

Acq: 25 May 2016 18:30

Tgt Ion: 136 Resp: 105416

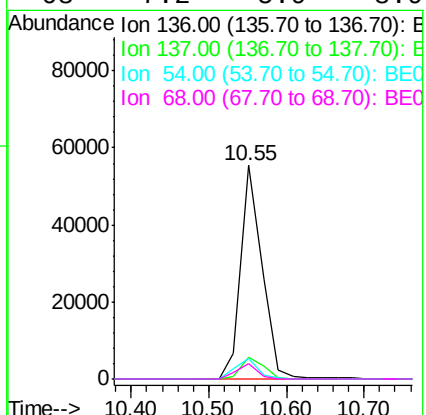
Ion Ratio Lower Upper

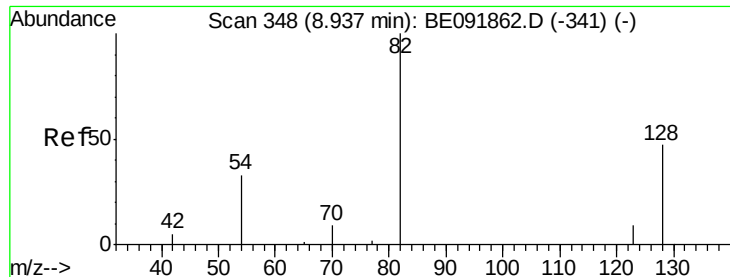
136 100

137 10.3 8.3 12.5

54 9.8 8.2 12.4

68 7.2 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.35 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

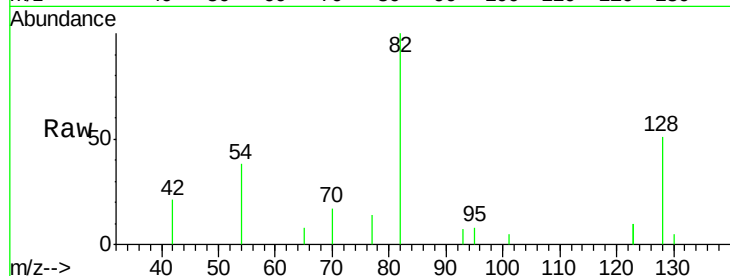
Tot Ion: 82 Resp: 2957

Ion Ratio Lower Upper

82 100

128 51.2 39.5 59.3

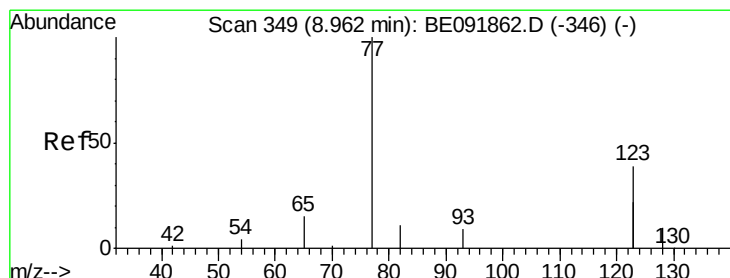
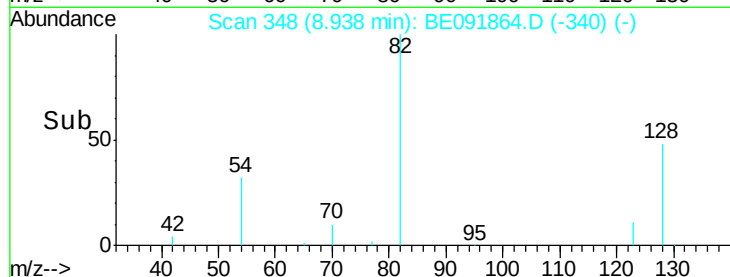
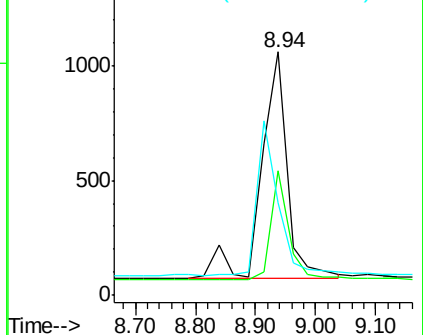
54 38.2 30.3 45.5



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: 0.33 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

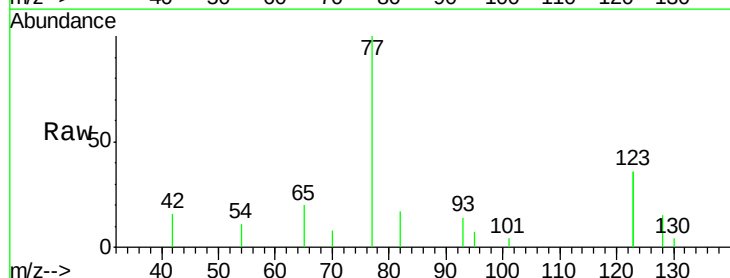
Tgt Ion: 77 Resp: 2717

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

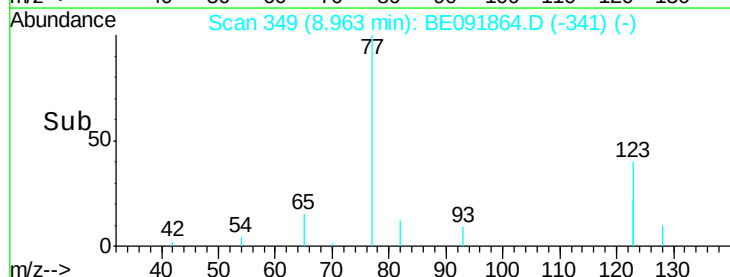
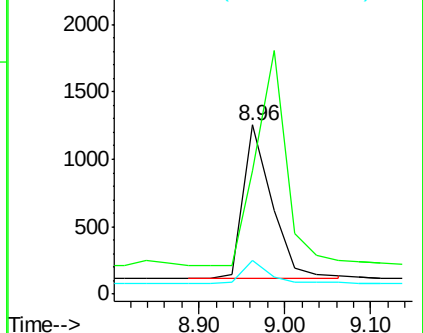
65 13.9 11.1 16.7

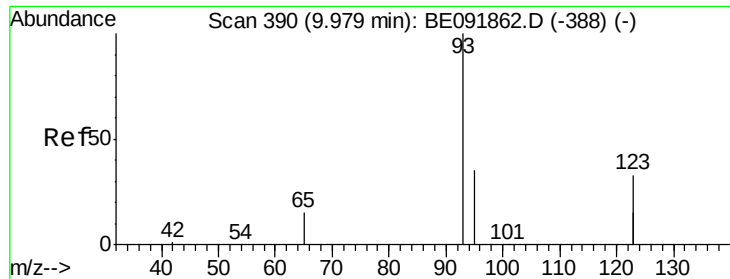


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

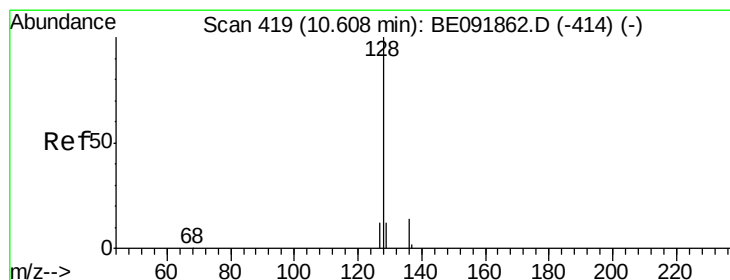
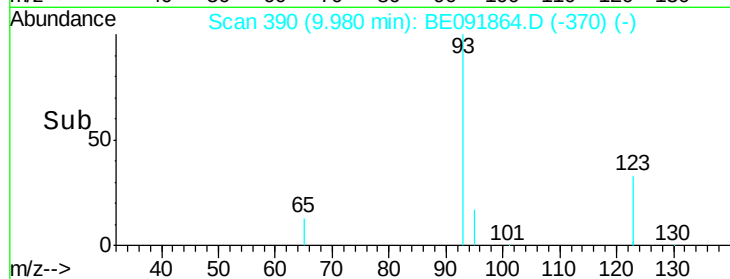
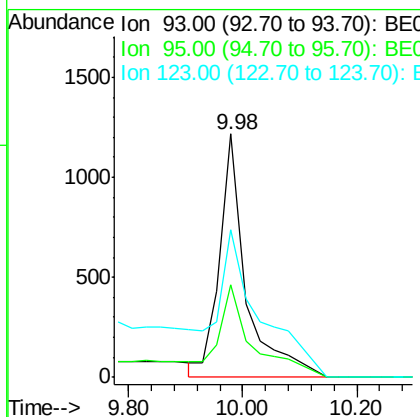
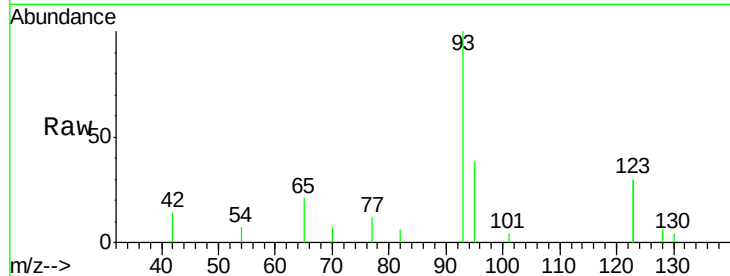




#11
 bis(2-Chloroethoxy)methane
 Concen: 0.44 ng
 RT: 9.98 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: BE091864.D
 Acq: 25 May 2016 18:30

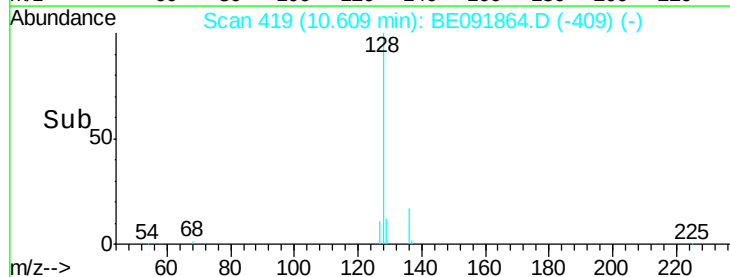
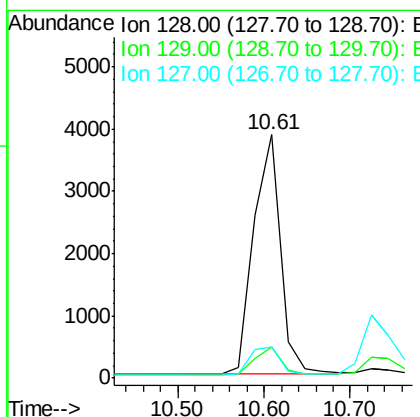
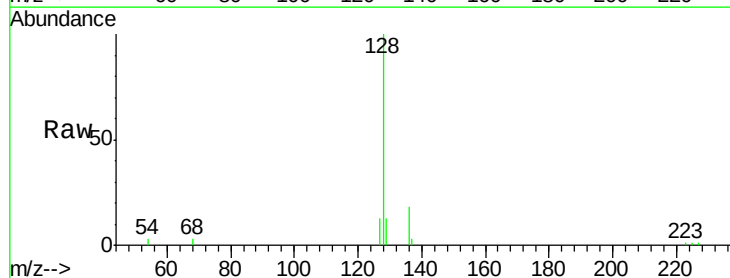
Instrument :
 BNA_E
 ClientSampleId :

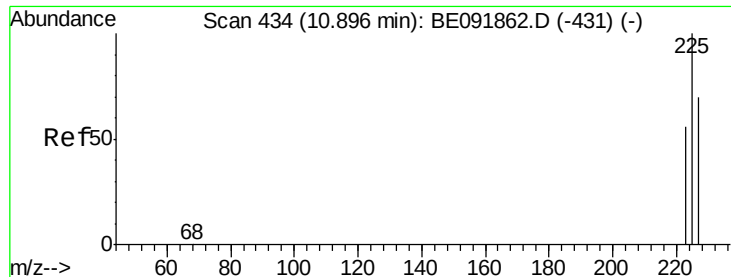
Tot Ion: 93 Resp: 4397
 Ion Ratio Lower Upper
 93 100
 95 47.4 57.6 86.4#
 123 87.4 100.2 150.4#



#12
 Naphthalene
 Concen: 0.36 ng
 RT: 10.61 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BE091864.D
 Acq: 25 May 2016 18:30

Tgt Ion: 128 Resp: 8264
 Ion Ratio Lower Upper
 128 100
 129 12.9 10.4 15.6
 127 12.6 10.2 15.2

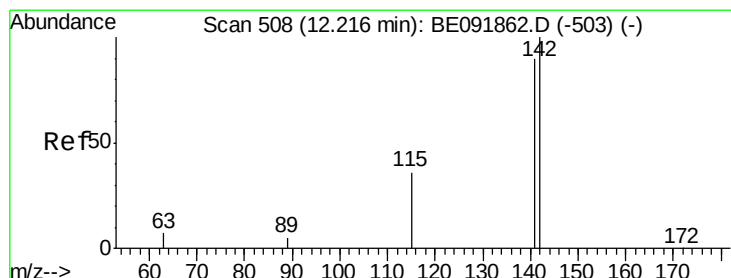
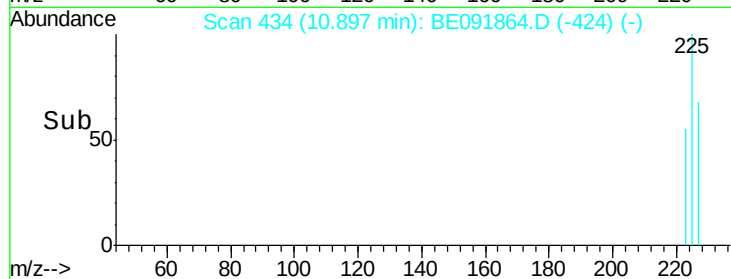
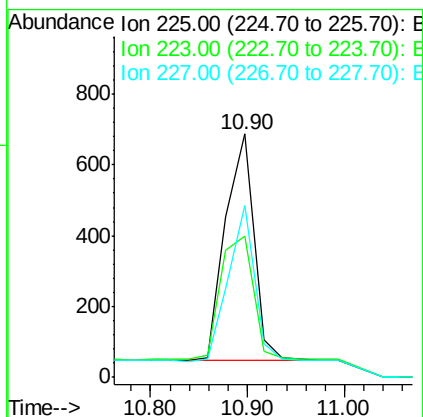
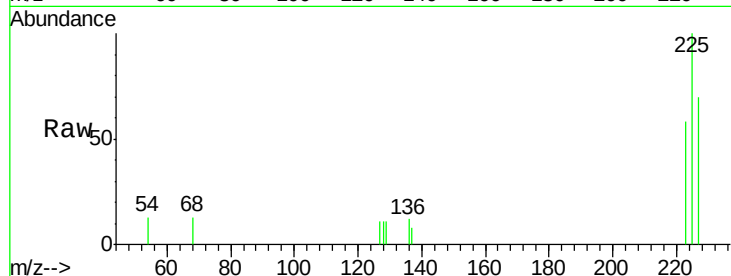




#13
Hexachlorobutadiene
Concen: 0.37 ng
RT: 10.90 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE091864.D
Acq: 25 May 2016 18:30

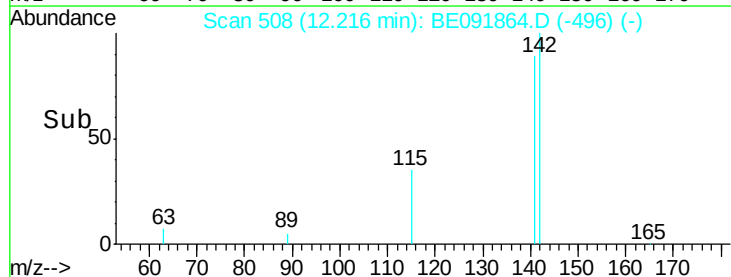
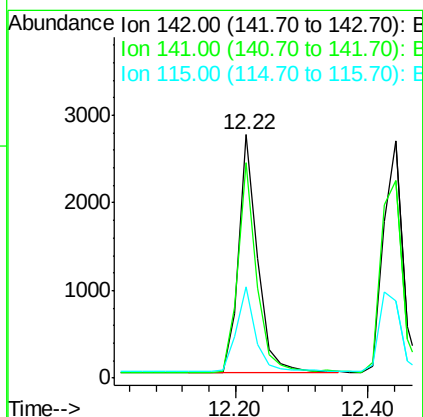
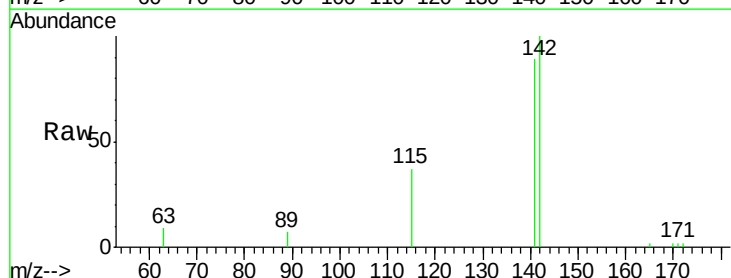
Instrument :
BNA_E
ClientSampleId :

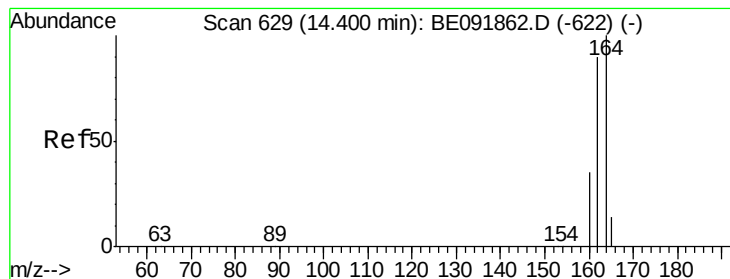
Tot Ion:225 Resp: 1293
Ion Ratio Lower Upper
225 100
223 62.6 49.8 74.8
227 63.0 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.36 ng
RT: 12.22 min Scan# 508
Delta R.T. -0.00 min
Lab File: BE091864.D
Acq: 25 May 2016 18:30

Tgt Ion:142 Resp: 5455
Ion Ratio Lower Upper
142 100
141 88.7 71.9 107.9
115 37.3 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 629

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampled :

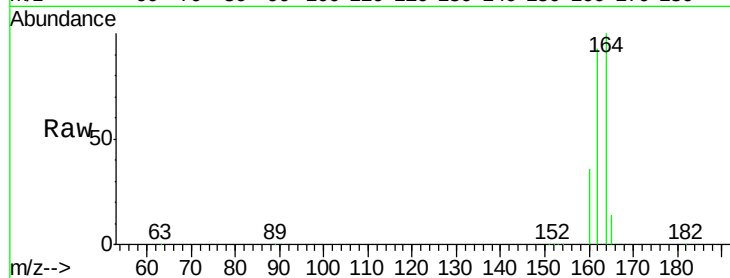
Tot Ion:164 Resp: 66892

Ion Ratio Lower Upper

164 100

162 92.8 71.8 107.8

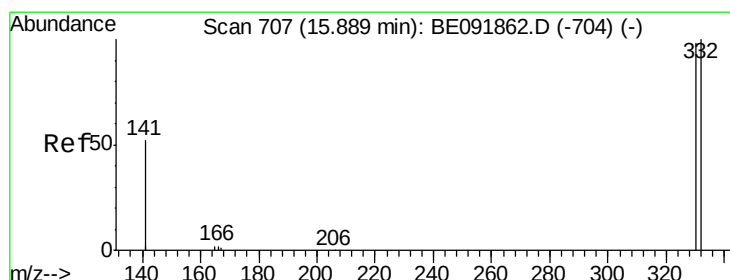
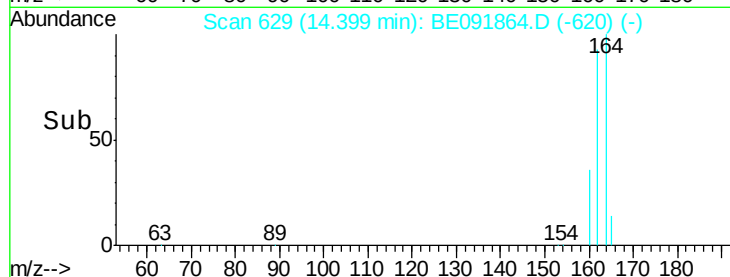
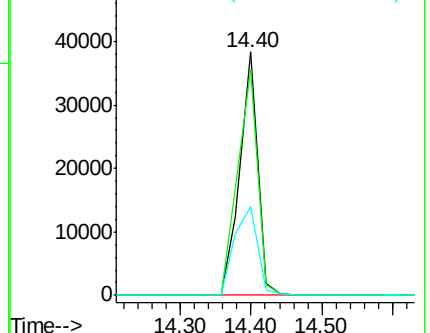
160 36.4 28.0 42.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.32 ng

RT: 15.89 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

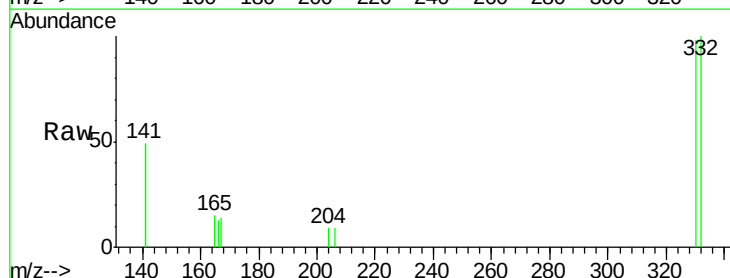
Tgt Ion:330 Resp: 959

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

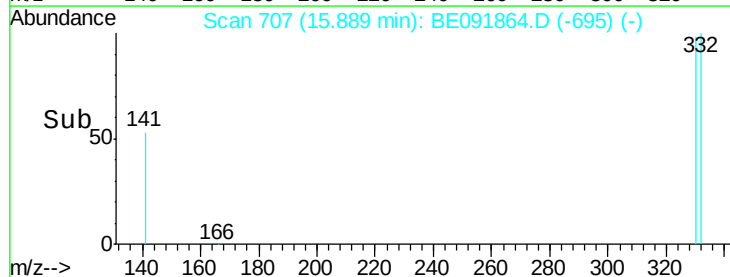
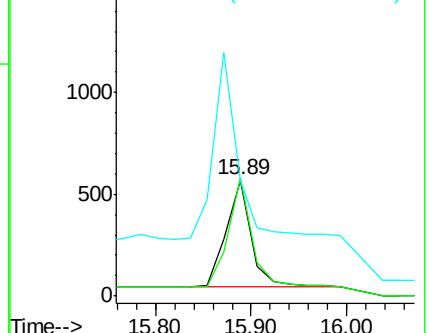
141 172.6 138.4 207.6

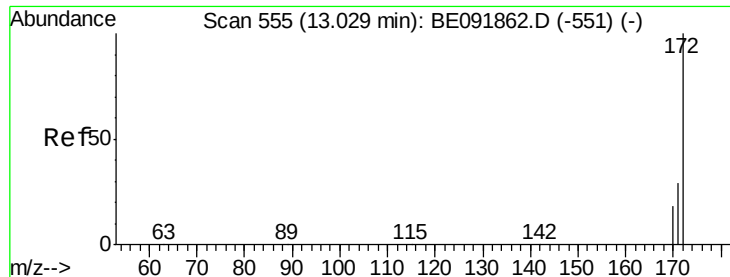


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

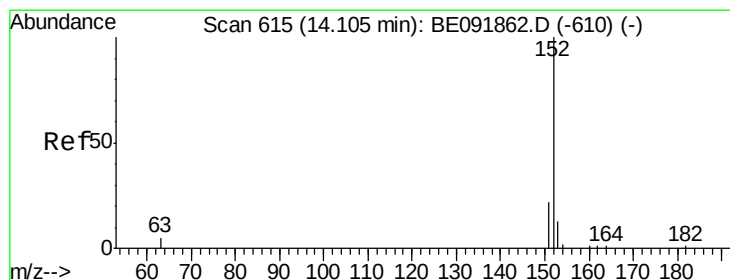
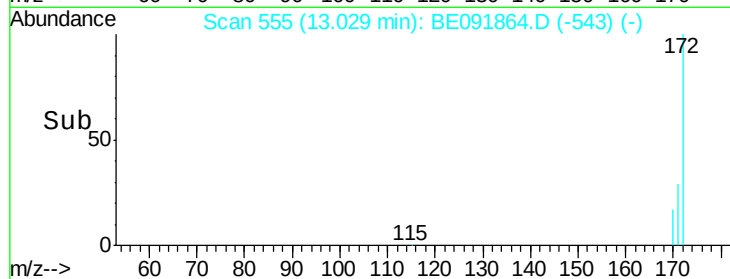
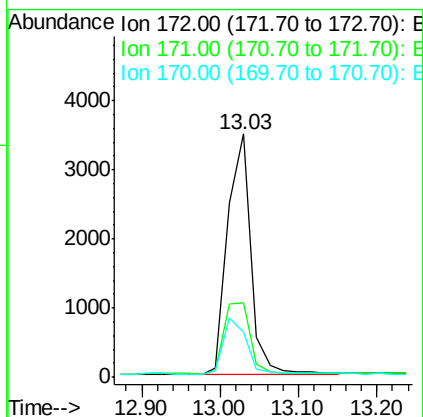
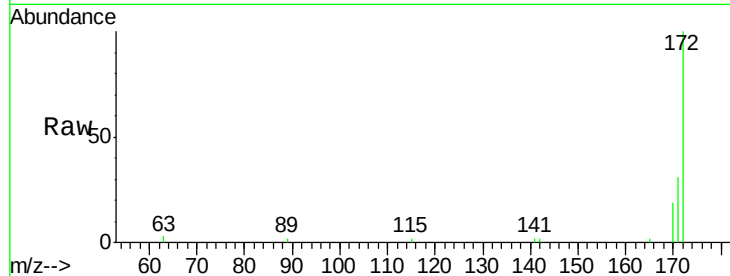




#17
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.03 min Scan# 555
Delta R.T. -0.00 min
Lab File: BE091864.D
Acq: 25 May 2016 18:30

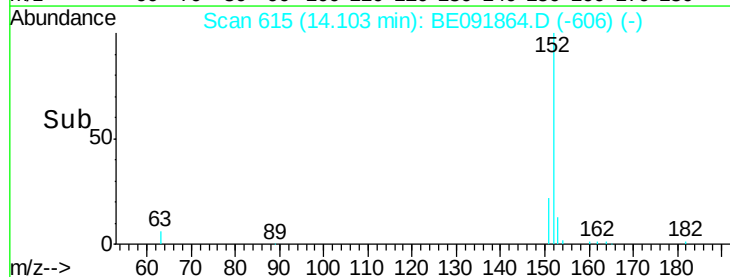
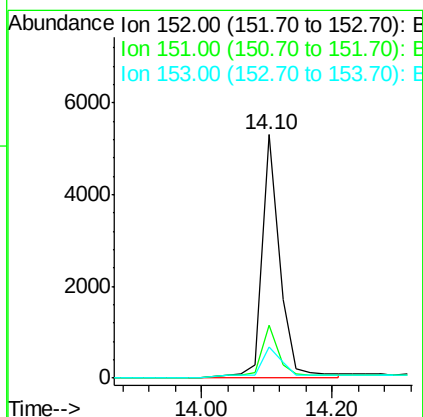
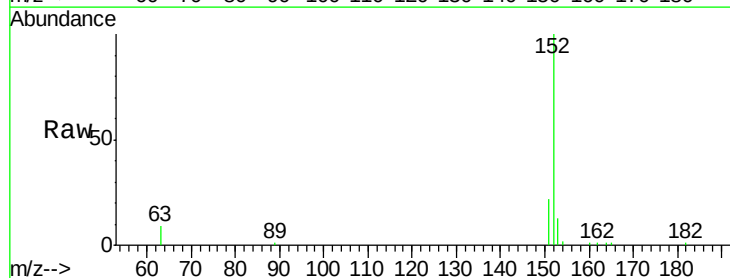
Instrument :
BNA_E
ClientSampleId :

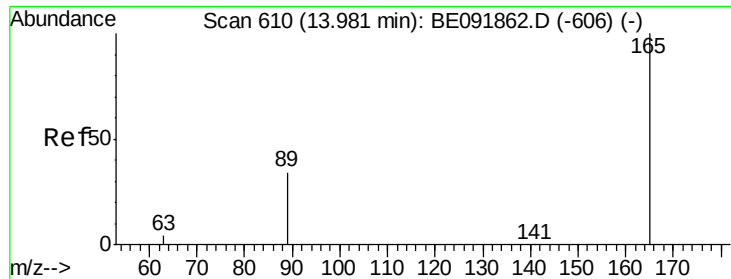
Tot Ion:172 Resp: 7092
Ion Ratio Lower Upper
172 100
171 30.5 24.3 36.5
170 18.6 14.9 22.3



#18
Acenaphthylene
Concen: 0.35 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091864.D
Acq: 25 May 2016 18:30

Tgt Ion:152 Resp: 10951
Ion Ratio Lower Upper
152 100
151 24.3 19.4 29.2
153 18.4 14.4 21.6

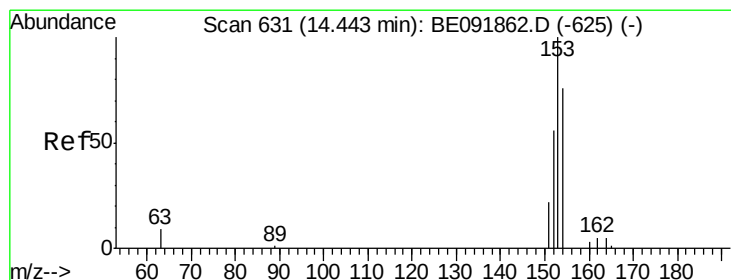
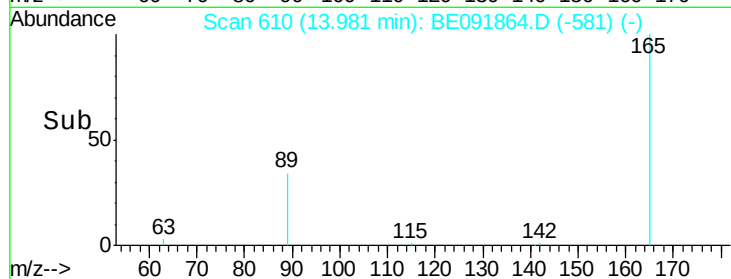
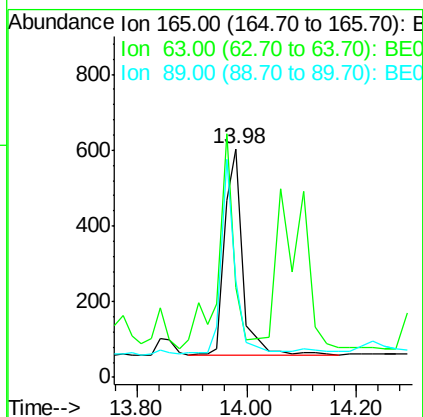
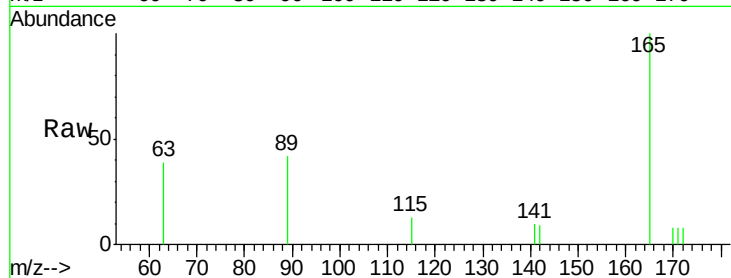




#19
2,6-Dinitrotoluene
Concen: 0.29 ng
RT: 13.98 min Scan# 610
Delta R.T. -0.00 min
Lab File: BE091864.D
Acq: 25 May 2016 18:30

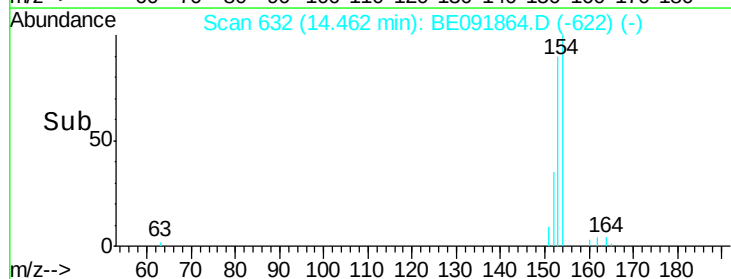
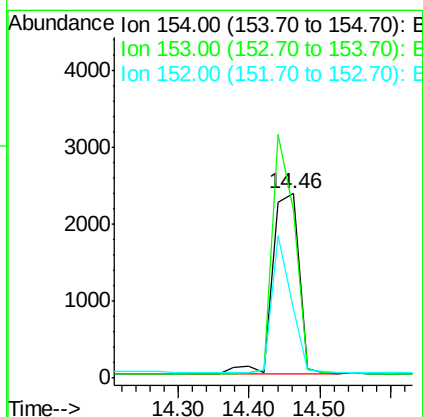
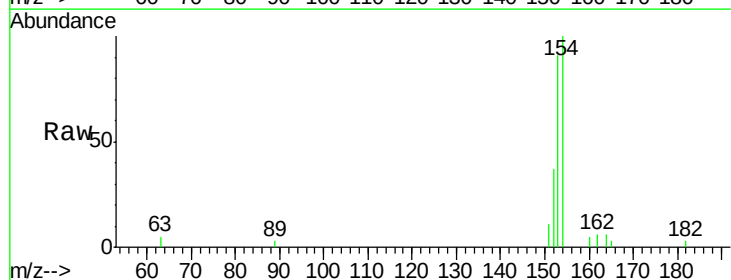
Instrument :
BNA_E
ClientSampleId :

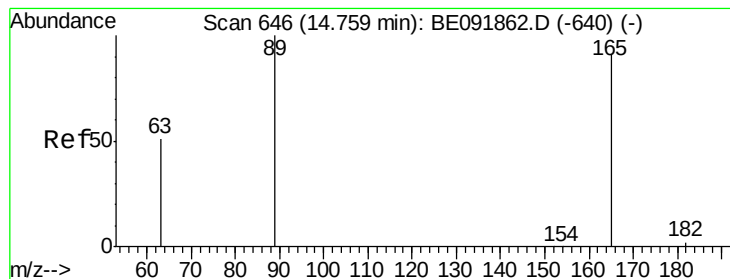
Tot Ion:165 Resp: 1357
Ion Ratio Lower Upper
165 100
63 82.6 65.9 98.9
89 75.6 59.1 88.7



#20
Acenaphthene
Concen: 0.35 ng
RT: 14.46 min Scan# 632
Delta R.T. 0.02 min
Lab File: BE091864.D
Acq: 25 May 2016 18:30

Tgt Ion:154 Resp: 6218
Ion Ratio Lower Upper
154 100
153 0.0 88.1 132.1#
152 0.0 44.2 66.2#





#21

2,4-Dinitrotoluene

Concen: 0.42 ng

RT: 14.78 min Scan# 647

Delta R.T. 0.02 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 1408

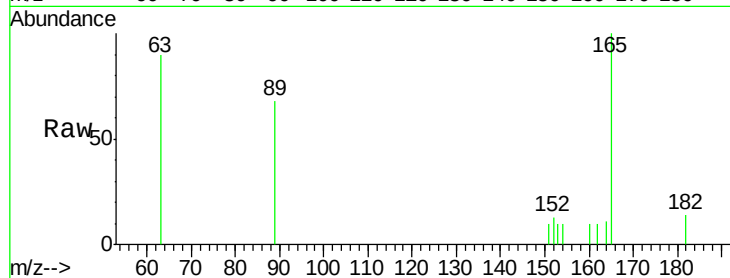
Ion Ratio Lower Upper

165 100

63 100.4 0.0 0.0#

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

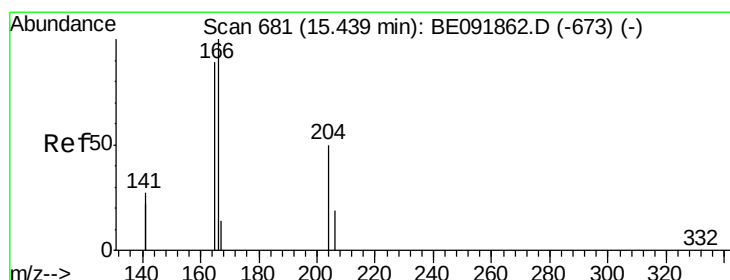
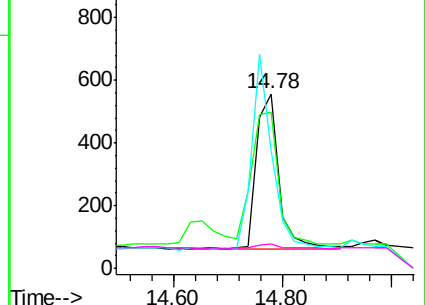
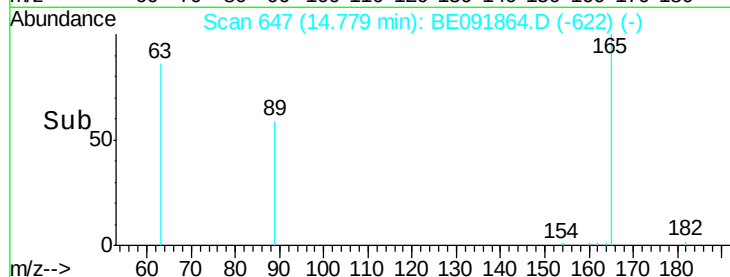


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.35 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

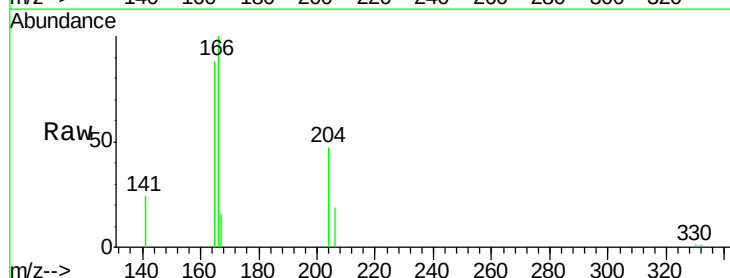
Tgt Ion:166 Resp: 8160

Ion Ratio Lower Upper

166 100

165 98.2 78.6 117.8

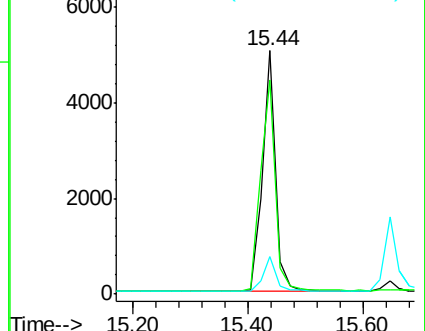
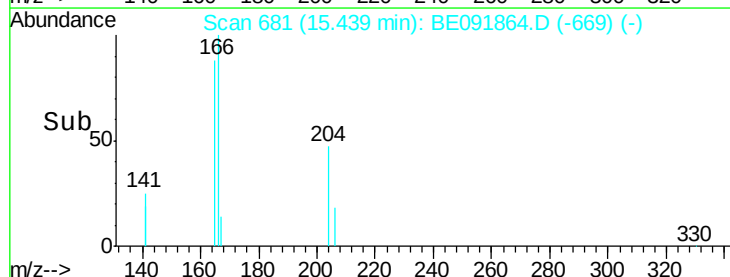
167 13.6 10.8 16.2

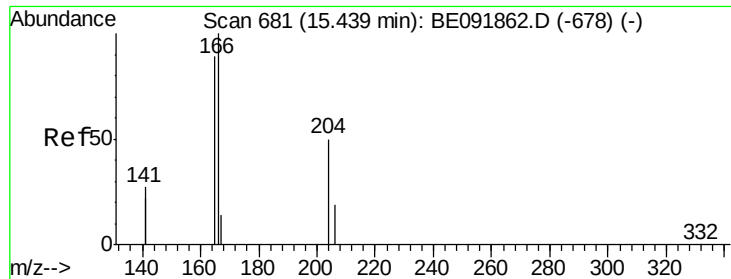


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 0.31 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

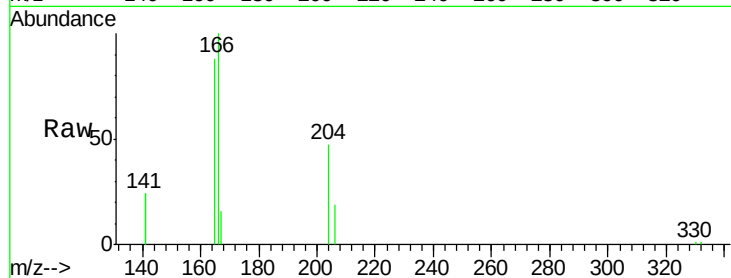
Tot Ion:204 Resp: 4175

Ion Ratio Lower Upper

204 100

206 34.2 27.8 41.6

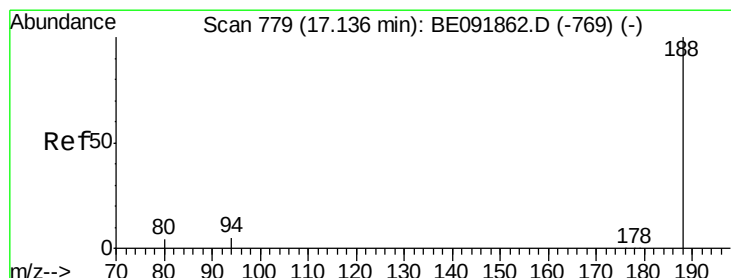
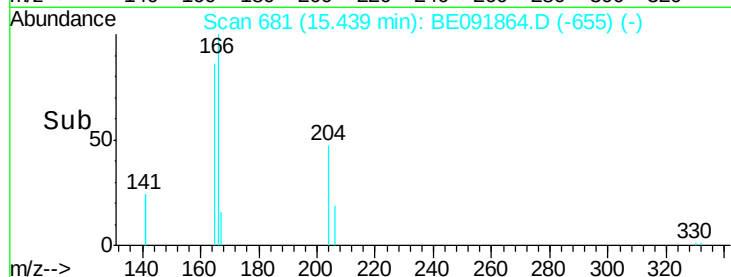
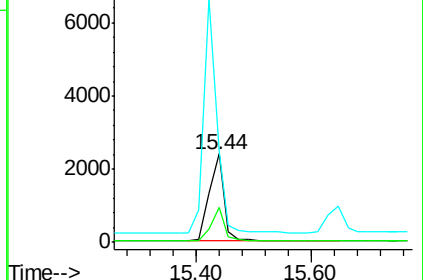
141 241.7 197.6 296.4



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

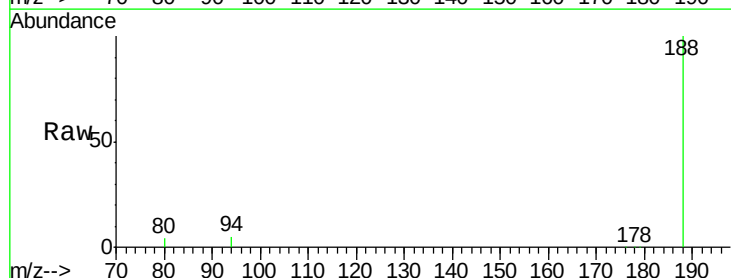
Tgt Ion:188 Resp: 207094

Ion Ratio Lower Upper

188 100

94 4.9 4.1 6.1

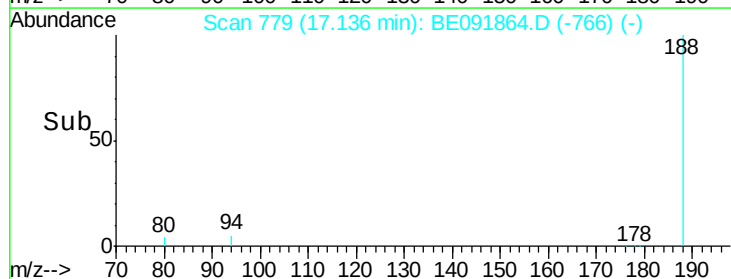
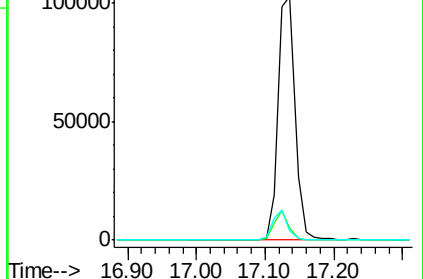
80 4.1 3.4 5.2

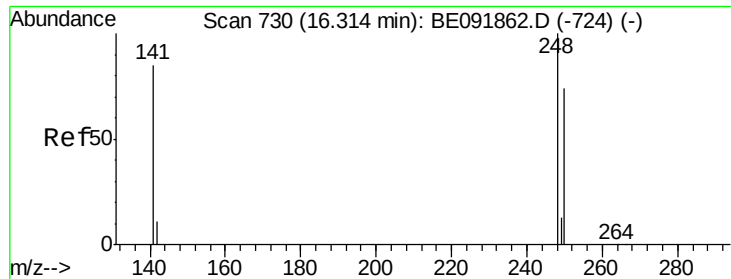


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

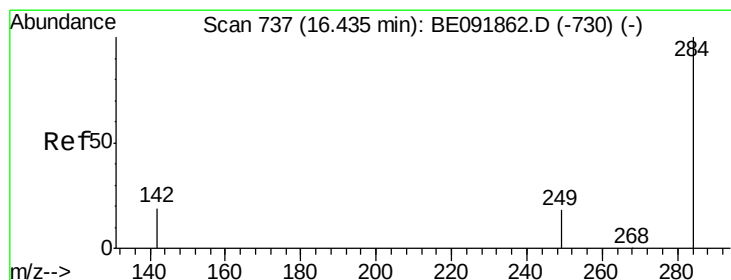
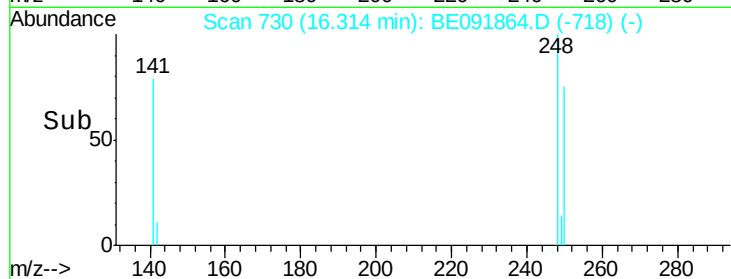
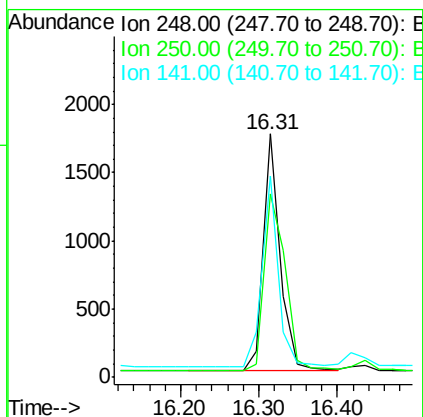
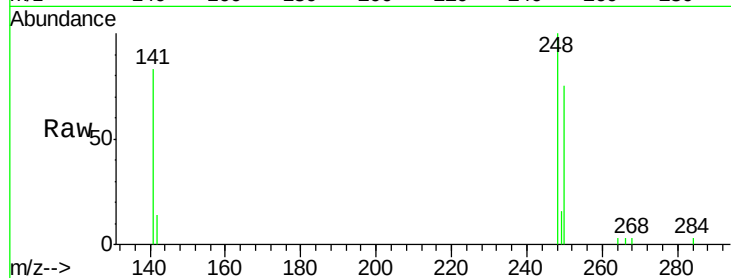




#25
4-Bromophenyl-phenylether
Concen: 0.35 ng
RT: 16.31 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE091864.D
Acq: 25 May 2016 18:30

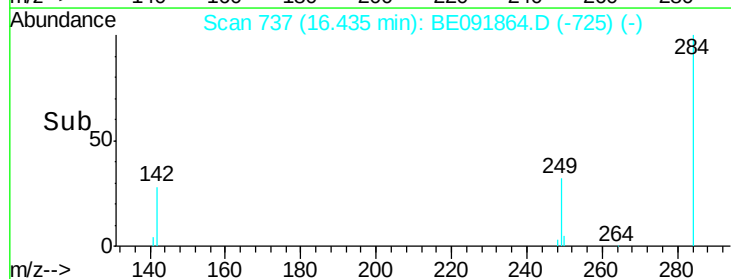
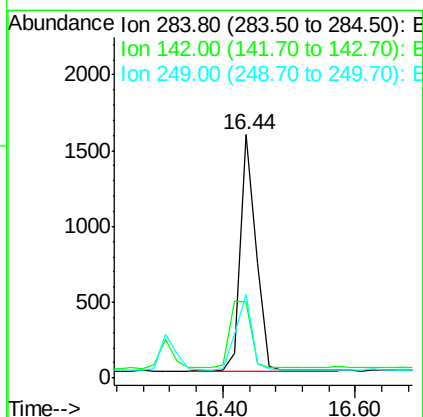
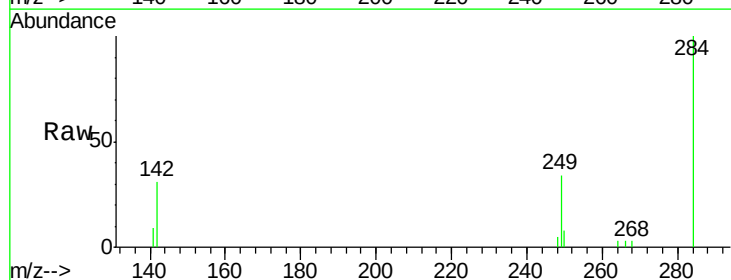
Instrument :
BNA_E
ClientSampleId :

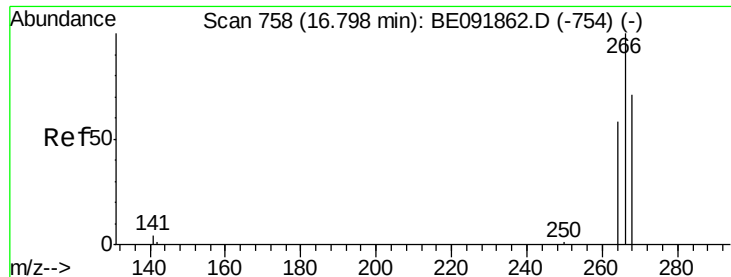
Tot Ion:248 Resp: 2617
Ion Ratio Lower Upper
248 100
250 93.1 75.7 113.5
141 79.1 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.36 ng
RT: 16.44 min Scan# 737
Delta R.T. 0.00 min
Lab File: BE091864.D
Acq: 25 May 2016 18:30

Tgt Ion:284 Resp: 2533
Ion Ratio Lower Upper
284 100
142 38.1 31.4 47.2
249 32.3 25.3 37.9





#27

Pentachlorophenol

Concen: 0.27 ng

RT: 16.80 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

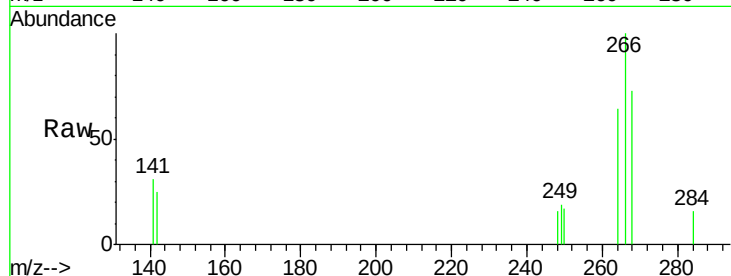
Tot Ion:266 Resp: 744

Ion Ratio Lower Upper

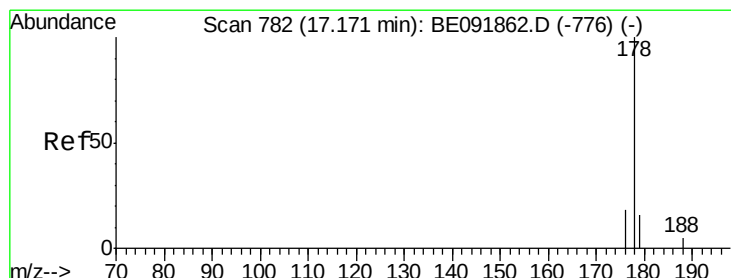
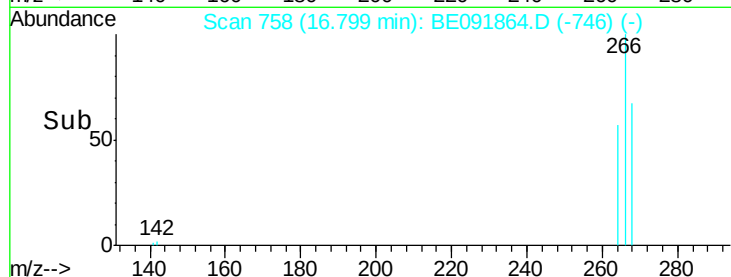
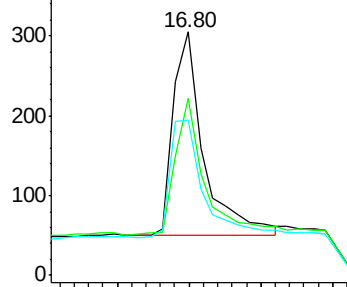
266 100

268 72.8 60.5 90.7

264 63.6 51.0 76.4



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



#28

Phenanthrene

Concen: 0.30 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

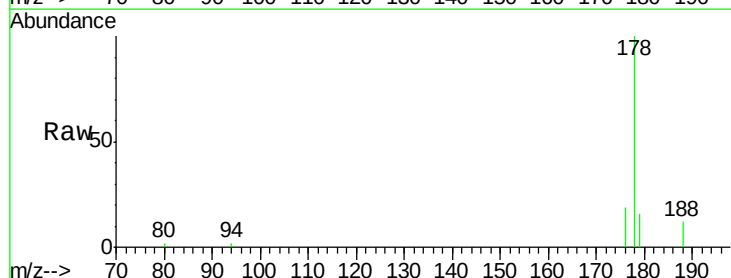
Tgt Ion:178 Resp: 15806

Ion Ratio Lower Upper

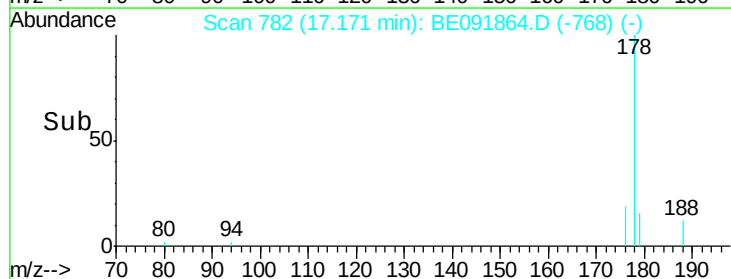
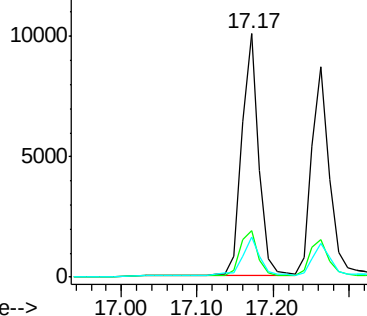
178 100

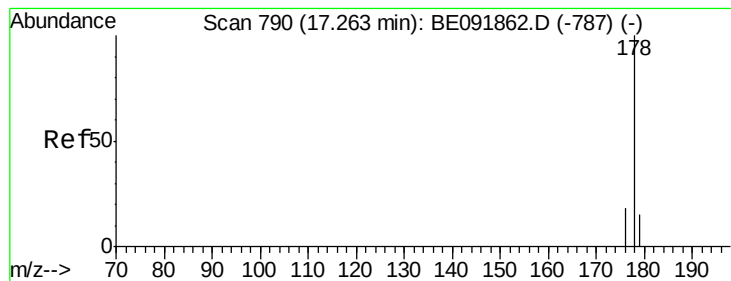
176 19.1 15.4 23.2

179 16.1 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: 0.34 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

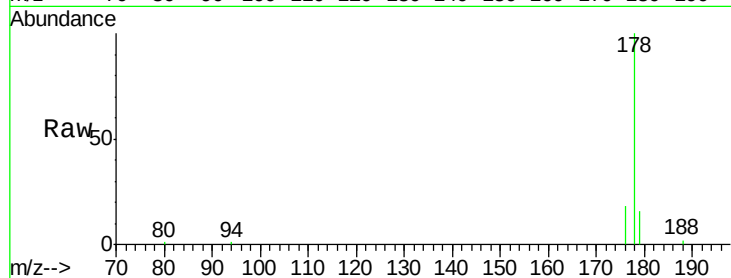
Tot Ion:178 Resp: 14209

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

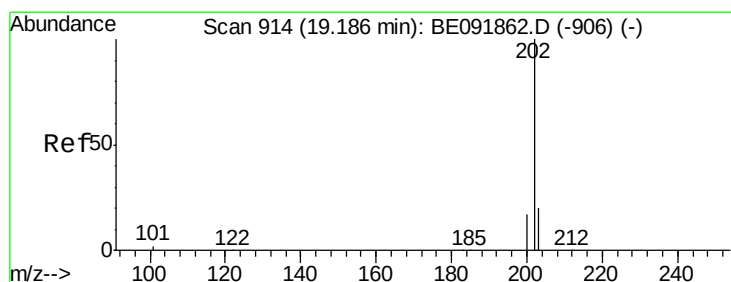
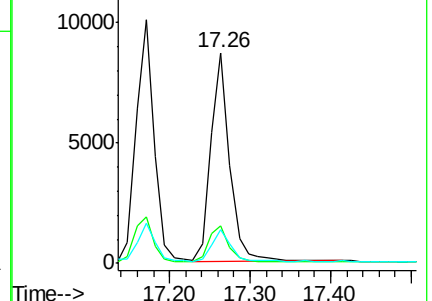
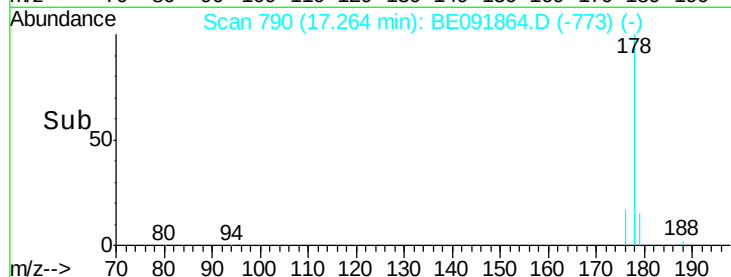
179 14.8 12.1 18.1



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: 0.27 ng

RT: 19.19 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

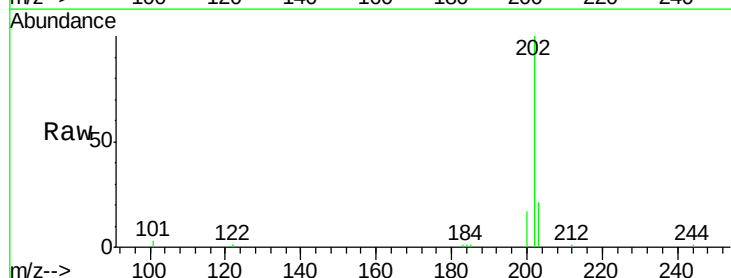
Tgt Ion:202 Resp: 18056

Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.0

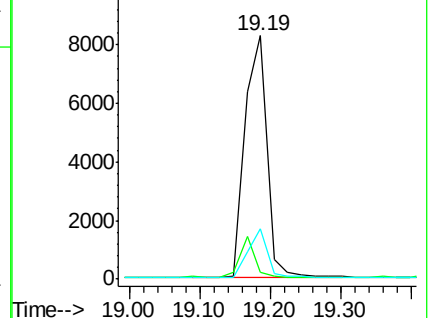
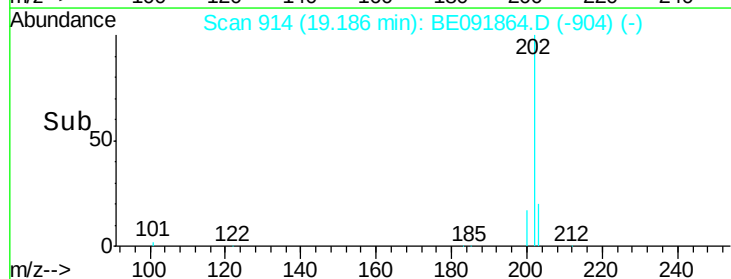
203 17.6 14.3 21.5

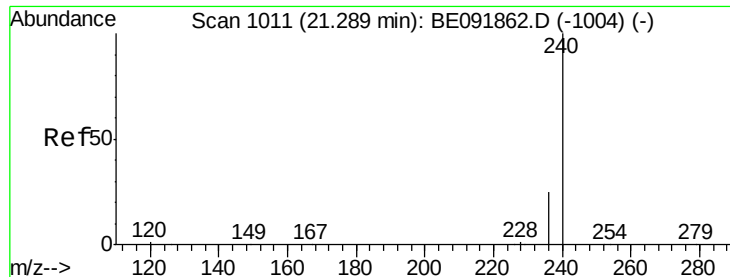


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

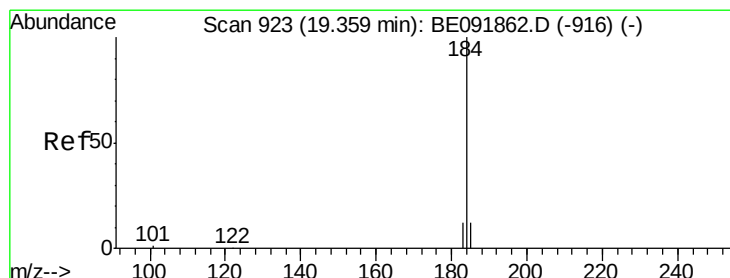
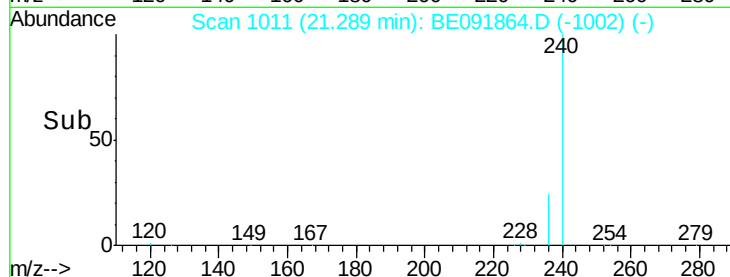
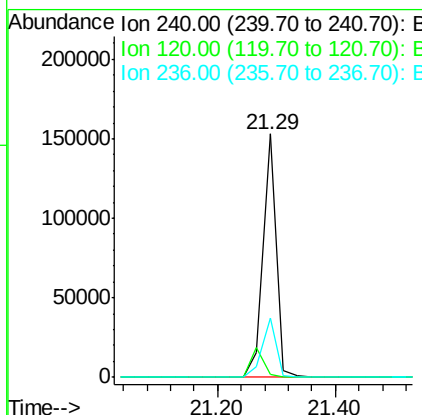
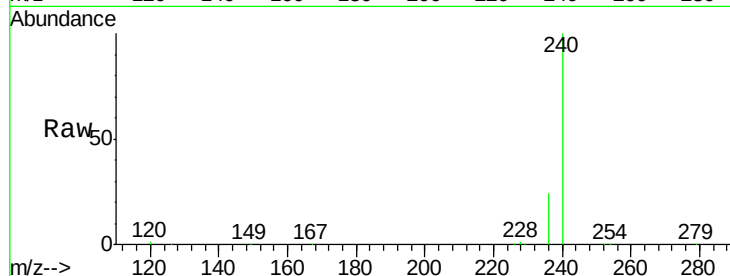




#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.29 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BE091864.D
 Acq: 25 May 2016 18:30

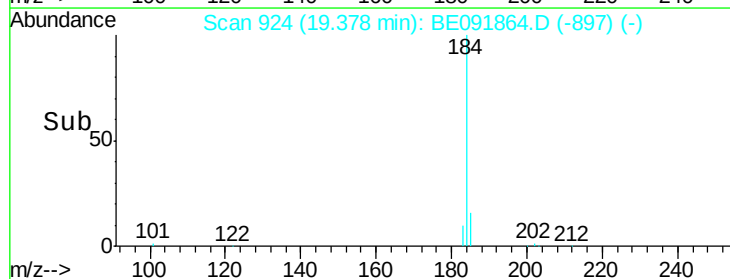
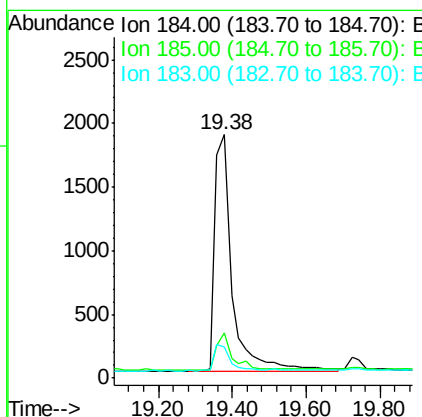
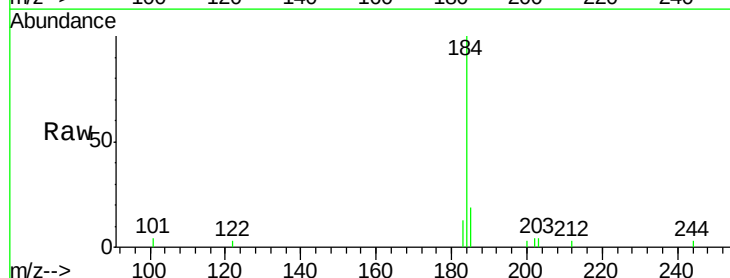
Instrument :
 BNA_E
 ClientSampleId :

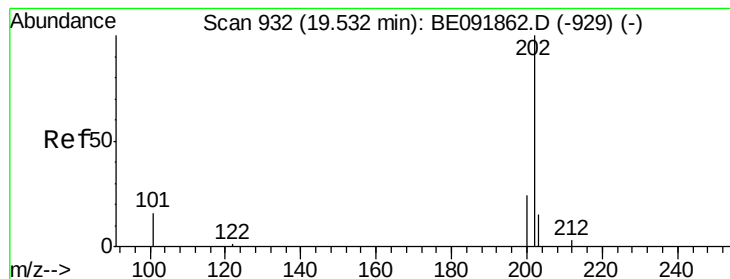
Tot Ion:240 Resp: 242289
 Ion Ratio Lower Upper
 240 100
 120 1.3 1.2 1.8
 236 24.4 19.8 29.8



#32
 Benzidine
 Concen: 0.38 ng
 RT: 19.38 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: BE091864.D
 Acq: 25 May 2016 18:30

Tgt Ion:184 Resp: 6070
 Ion Ratio Lower Upper
 184 100
 185 18.5 11.4 17.2#
 183 12.6 11.8 17.6





#33

Pvrene

Concen: 0.38 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

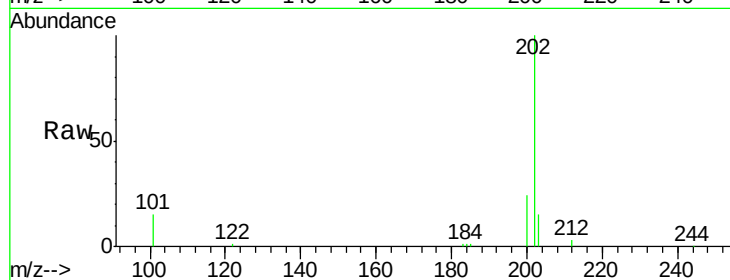
Tot Ion:202 Resp: 19586

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

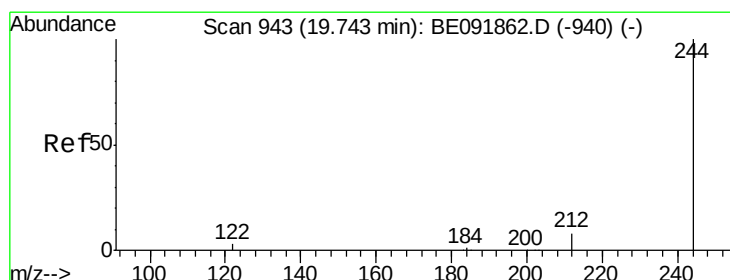
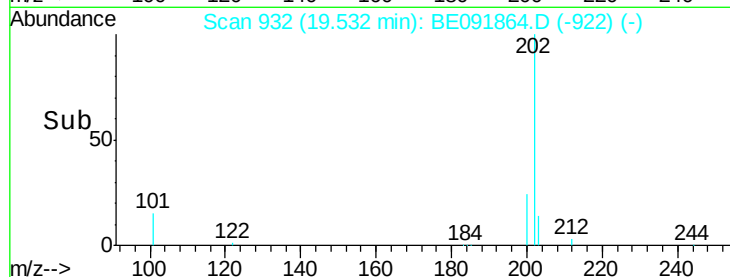
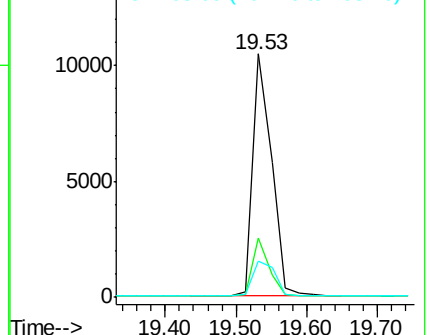
203 17.0 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.38 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

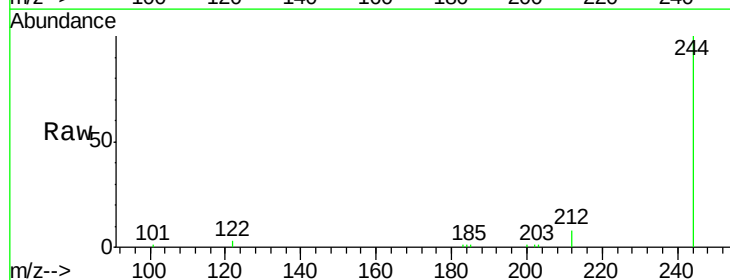
Tgt Ion:244 Resp: 13844

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

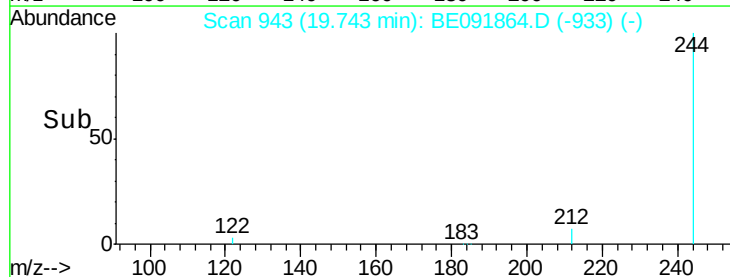
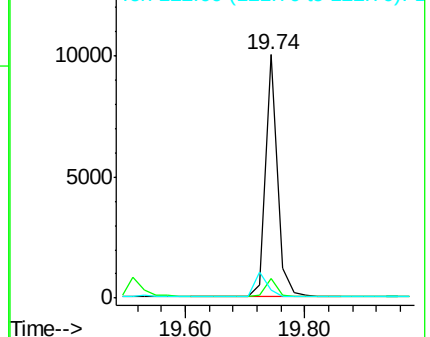
122 3.3 2.9 4.3

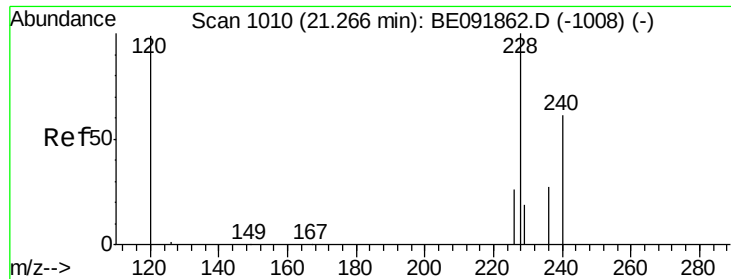


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.73 ng

RT: 21.27 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

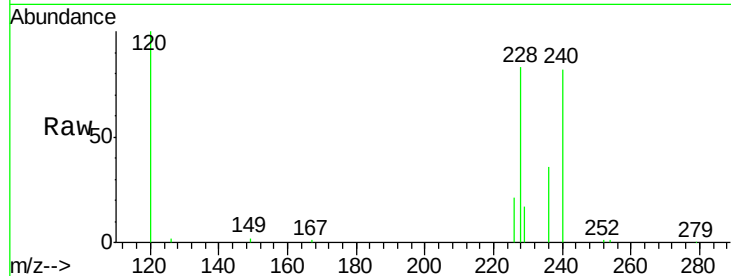
Tot Ion:228 Resp: 47432

Ion Ratio Lower Upper

228 100

226 24.9 21.0 31.4

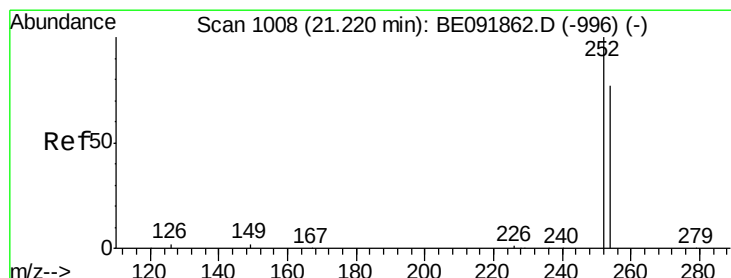
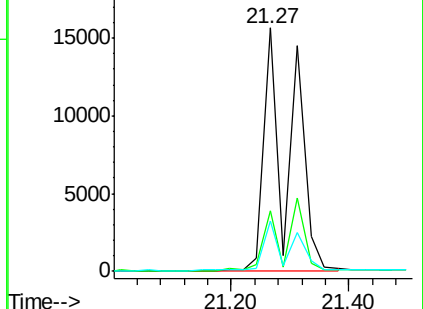
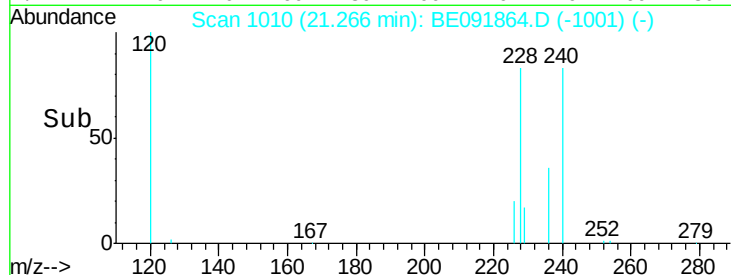
229 20.8 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.35 ng

RT: 21.22 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

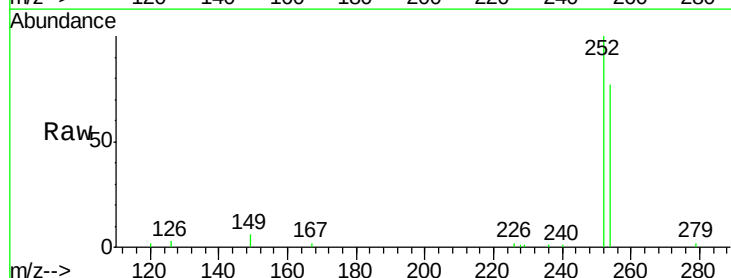
Tgt Ion:252 Resp: 12357

Ion Ratio Lower Upper

252 100

254 77.5 61.5 92.3

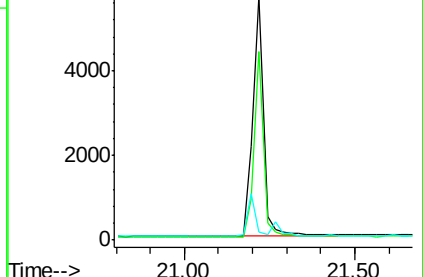
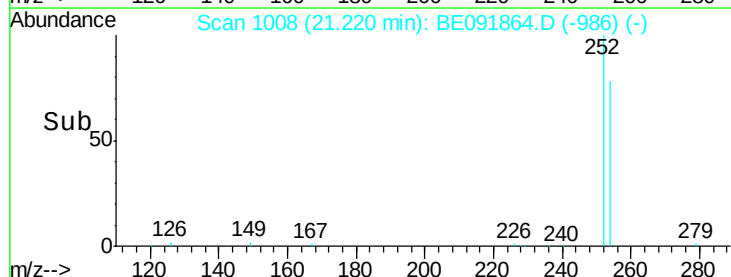
126 3.3 2.5 3.7

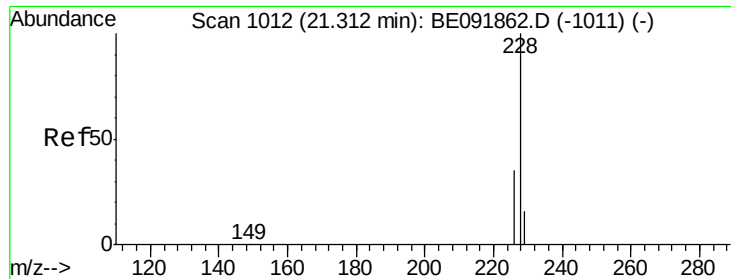


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

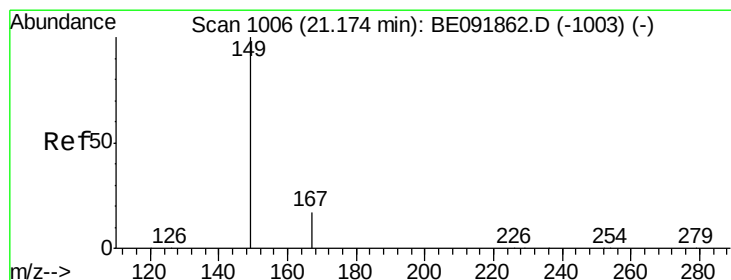
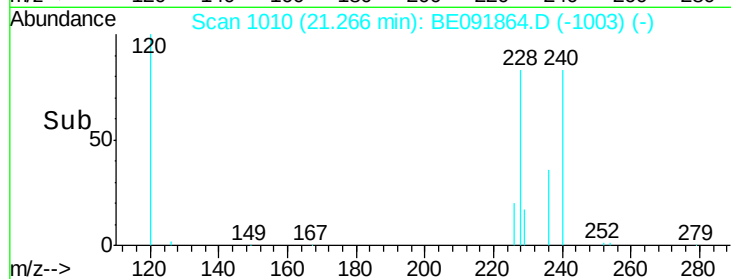
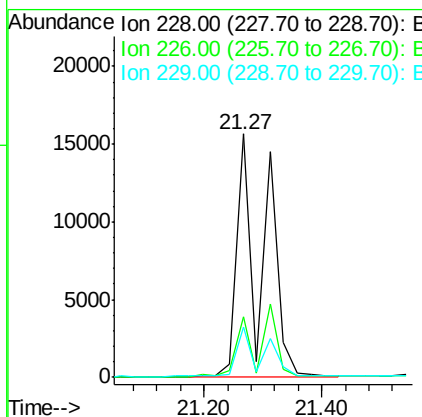
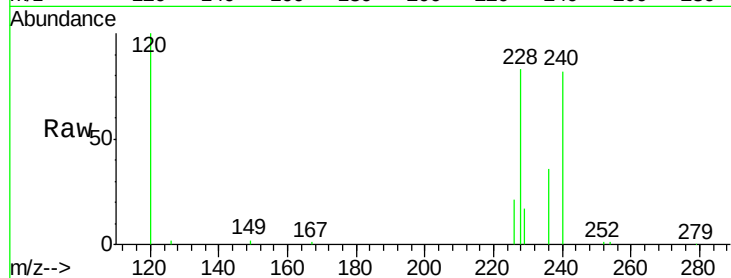




#37
 Chrysene
 Concen: 0.82 ng
 RT: 21.27 min Scan# 1010
 Delta R.T. -0.05 min
 Lab File: BE091864.D
 Acq: 25 May 2016 18:30

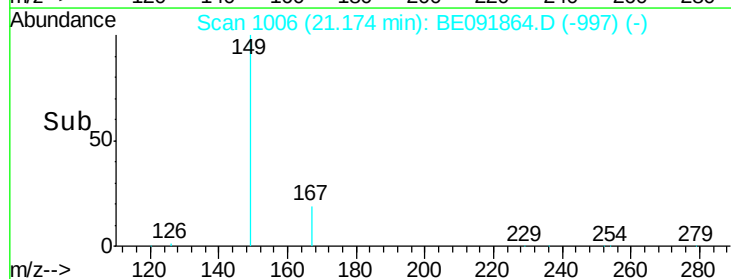
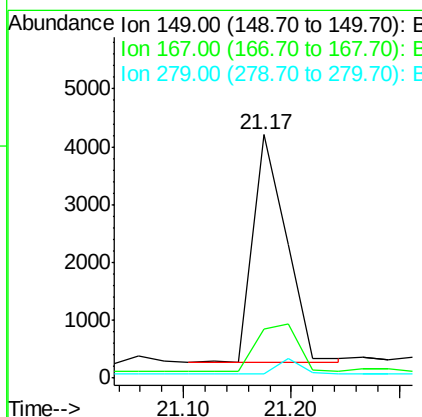
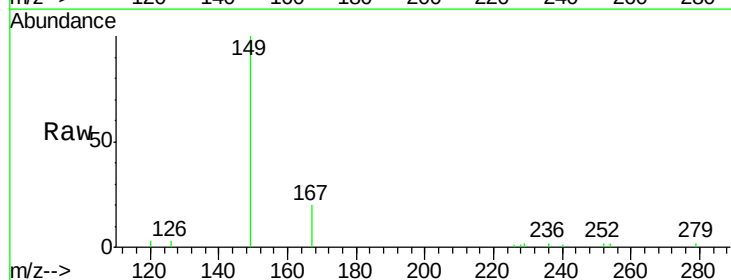
Instrument :
 BNA_E
 ClientSampleId :

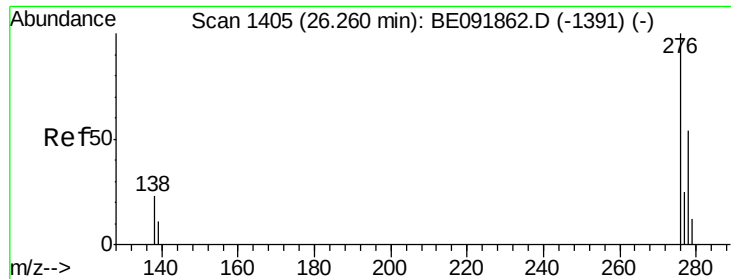
Tot Ion:228 Resp: 47561
 Ion Ratio Lower Upper
 228 100
 226 24.9 27.0 40.6#
 229 20.8 13.8 20.8#



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.36 ng
 RT: 21.17 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BE091864.D
 Acq: 25 May 2016 18:30

Tgt Ion:149 Resp: 8415
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 279 0.0 0.0 0.0





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng

RT: 26.26 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

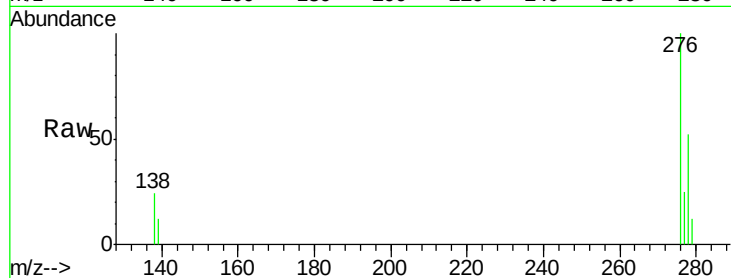
Tot Ion:276 Resp: 22797

Ion Ratio Lower Upper

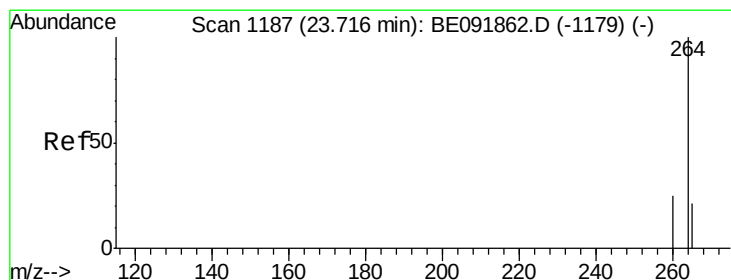
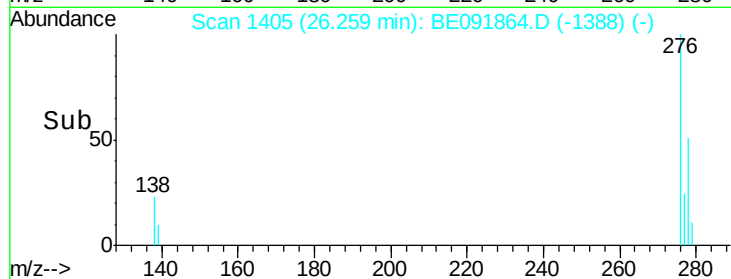
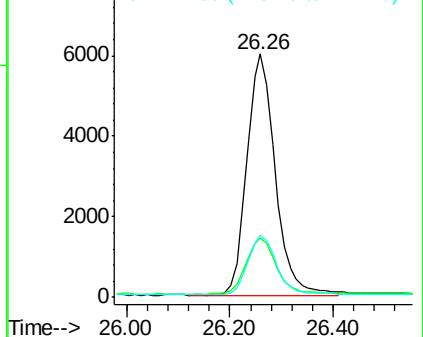
276 100

138 24.3 19.7 29.5

277 24.9 20.1 30.1



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.71 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

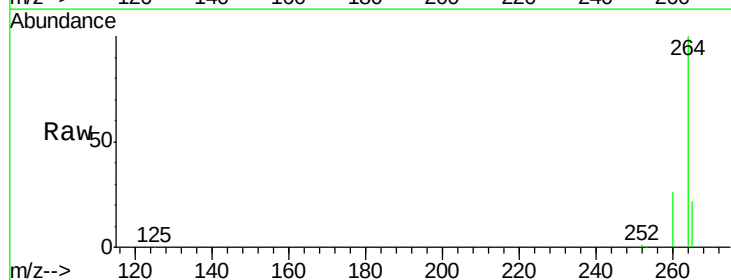
Tgt Ion:264 Resp: 231766

Ion Ratio Lower Upper

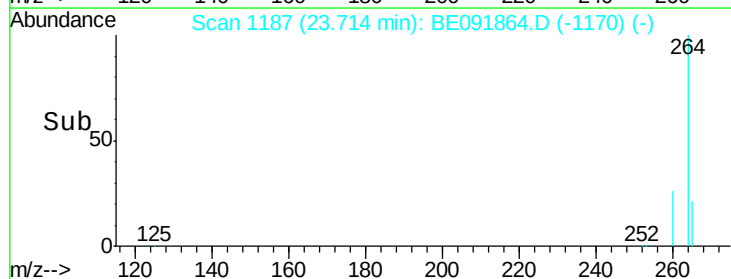
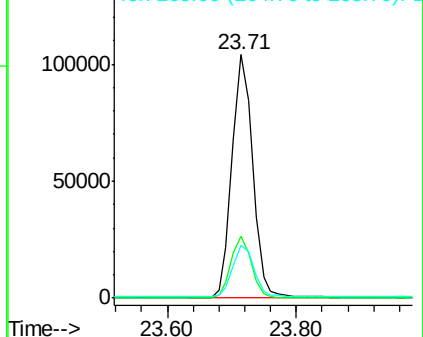
264 100

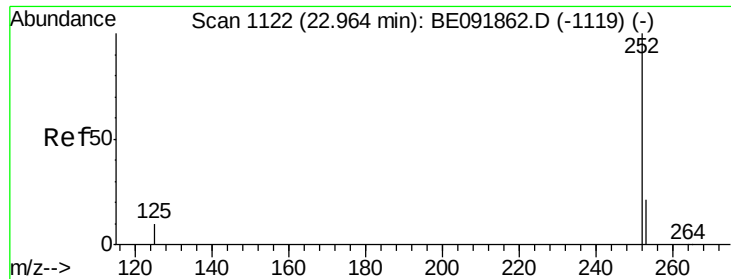
260 25.6 20.3 30.5

265 21.5 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.36 ng

RT: 22.96 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

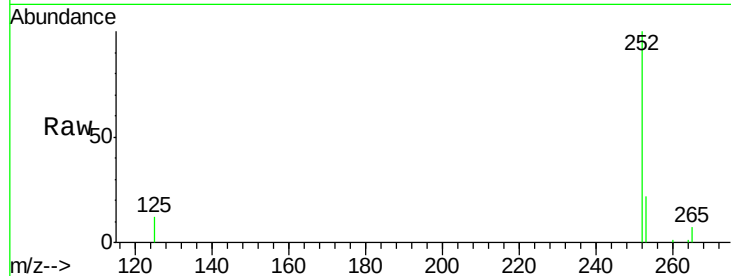
Tot Ion:252 Resp: 22766

Ion Ratio Lower Upper

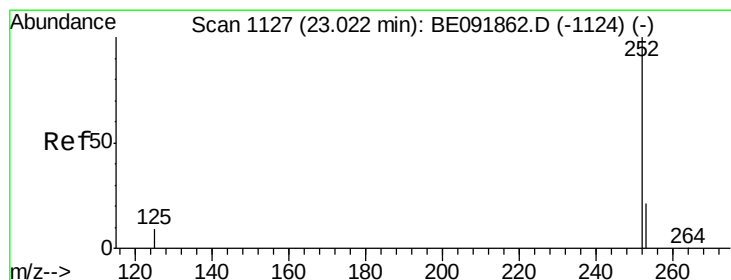
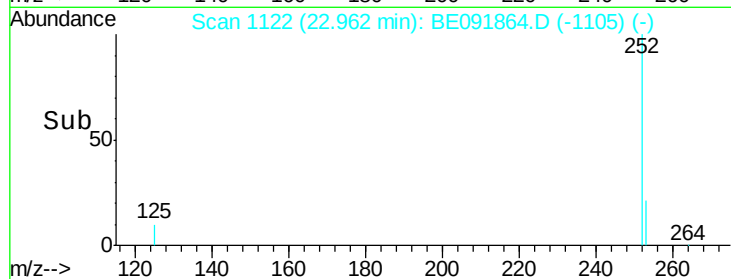
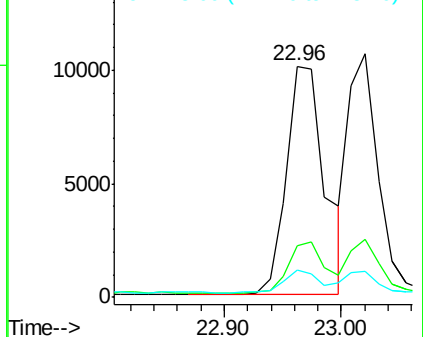
252 100

253 22.2 17.8 26.6

125 12.0 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: 0.33 ng

RT: 23.02 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

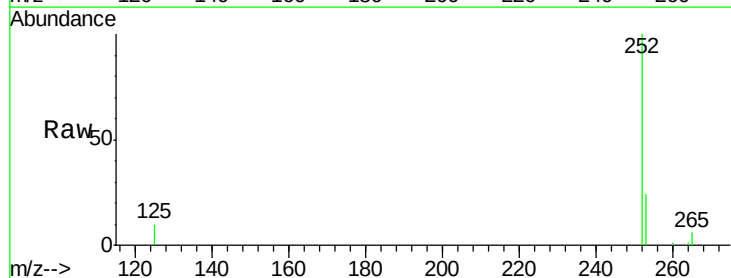
Tgt Ion:252 Resp: 18952

Ion Ratio Lower Upper

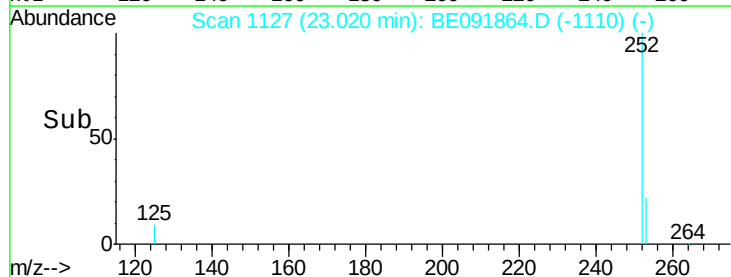
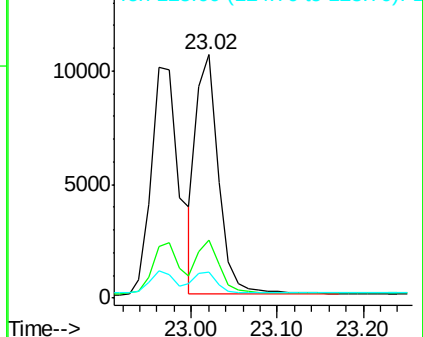
252 100

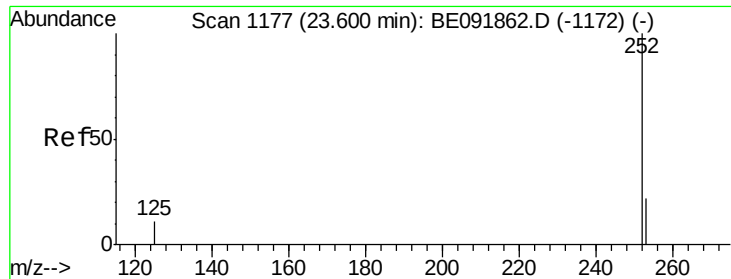
253 23.8 19.4 29.2

125 10.4 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: 0.34 ng

RT: 23.60 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

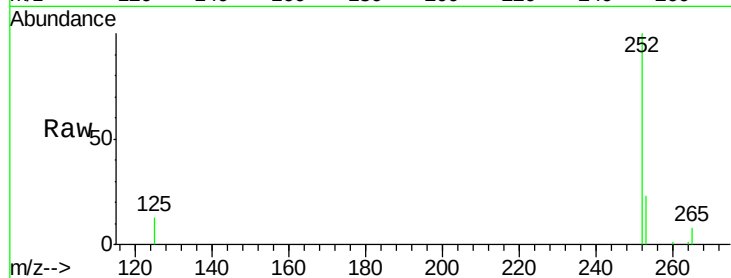
Tot Ion:252 Resp: 19438

Ion Ratio Lower Upper

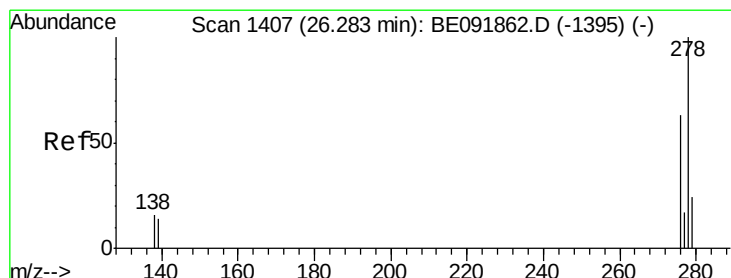
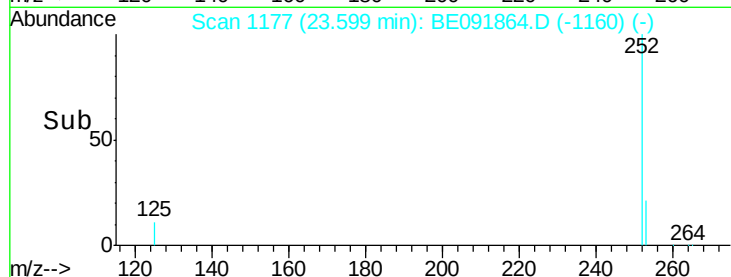
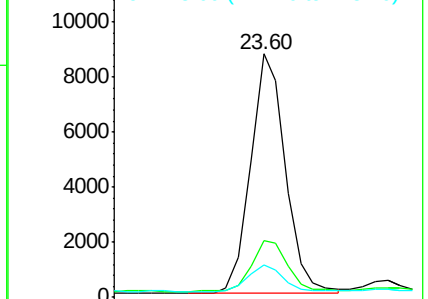
252 100

253 23.1 18.9 28.3

125 13.1 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: 0.35 ng

RT: 26.28 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE091864.D

Acq: 25 May 2016 18:30

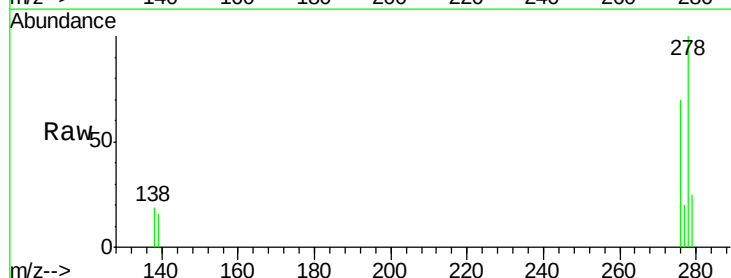
Tgt Ion:278 Resp: 18750

Ion Ratio Lower Upper

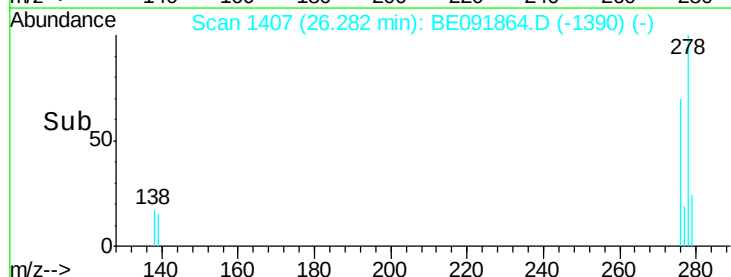
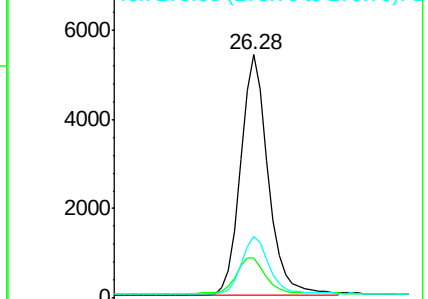
278 100

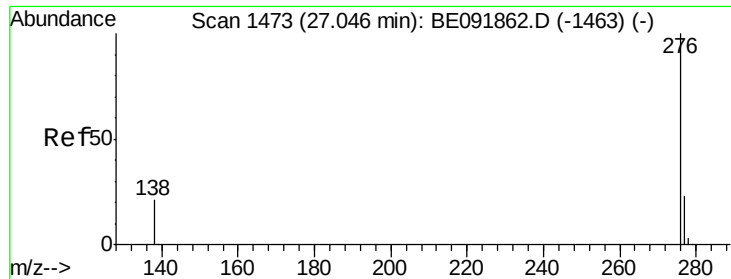
139 16.5 12.6 18.8

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(a,h,i)perylene

Concen: 0.35 ng

RT: 27.05 min Scan# 1473

Delta R.T. -0.00 min

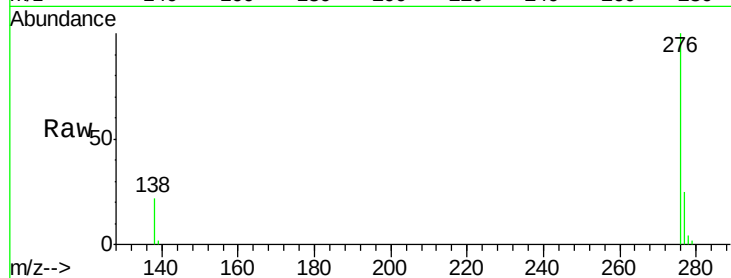
Lab File: BE091864.D

Acq: 25 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 19386

Ion Ratio Lower Upper

276 100

277 24.5 19.5 29.3

138 21.6 17.7 26.5

