

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070916\
 Data File : BE091995.D
 Acq On : 9 Jul 2016 12:48
 Operator : UM/SJ
 Sample : H3932-02
 Misc : 4X internal std added
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160705

Quant Time: Jul 11 08:58:35 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	20900	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	98639	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	66508	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	148464	5.00	ng	0.00
31) Chrysene-d12	21.76	240	243745	5.00	ng	0.00
40) Perylene-d12	24.16	264	170730	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	11936	2.39	ng	0.00
5) Phenol-d6	7.37	99	9535	1.37	ng	0.00
9) Nitrobenzene-d5	9.36	82	25279	3.76	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	15813	6.66	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	71050	4.38	ng	0.00
34) Terphenyl-d14	20.22	244	123151	4.28	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	172	0.06	ng	# 54
3) n-Nitrosodimethylamine	3.83	42	34	0.05	ng	# 47
6) bis(2-Chloroethyl)ether	7.63	93	141	0.02	ng	# 99
7) n-Nitroso-di-n-propylamine	9.00	70	195	0.03	ng	# 60
10) Nitrobenzene	9.40	77	275	0.04	ng	# 55
11) bis(2-Chloroethoxy)methane	10.45	93	241	0.03	ng	# 8
12) Naphthalene	11.04	128	859	0.04	ng	# 77
13) Hexachlorobutadiene	11.34	225	94	0.03	ng	# 93
14) 2-Methylnaphthalene	12.69	142	408	0.03	ng	# 92
18) Acenaphthylene	14.56	152	2316	0.03	ng	# 82
19) 2,6-Dinitrotoluene	14.32	165	2104	0.24	ng	# 10
20) Acenaphthene	14.92	154	702	0.04	ng	# 1
21) 2,4-Dinitrotoluene	14.86	165	37362	1.88	ng	# 1
22) Fluorene	15.90	166	616	0.03	ng	# 90
23) 4-Chlorophenyl-phenylether	15.90	204	294	0.03	ng	# 94
25) 4-Bromophenyl-phenylether	16.78	248	180	0.03	ng	# 88
26) Hexachlorobenzene	16.90	284	190	0.03	ng	# 99
27) Pentachlorophenol	17.26	266	200	0.20	ng	# 90
28) Phenanthrene	17.64	178	1479	0.04	ng	# 90
29) Anthracene	17.73	178	1020	0.03	ng	# 97
30) Fluoranthene	19.65	202	5596	0.03	ng	# 87
32) Benzidine	19.88	184	148	0.22	ng	# 1
33) Pyrene	20.02	202	5552	0.03	ng	# 74
35) Benzo(a)anthracene	21.79	228	3995	0.10	ng	# 88
36) 3,3'-Dichlorobenzidine	21.70	252	64	Below Cal		# 83
37) Chrysene	21.79	228	4031	0.07	ng	# 95
38) Bis(2-ethylhexyl)phthalate	21.67	149	11221	0.24	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	5492	0.02	ng	# 96
41) Benzo(b)fluoranthene	23.43	252	1492	0.03	ng	# 63
42) Benzo(k)fluoranthene	23.48	252	1295	0.03	ng	# 69
43) Benzo(a)pyrene	24.06	252	1208	0.03	ng	# 56
44) Dibenzo(a,h)anthracene	26.72	278	1090	0.03	ng	# 64
45) Benzo(g,h,i)perylene	27.47	276	4840	0.03	ng	# 72

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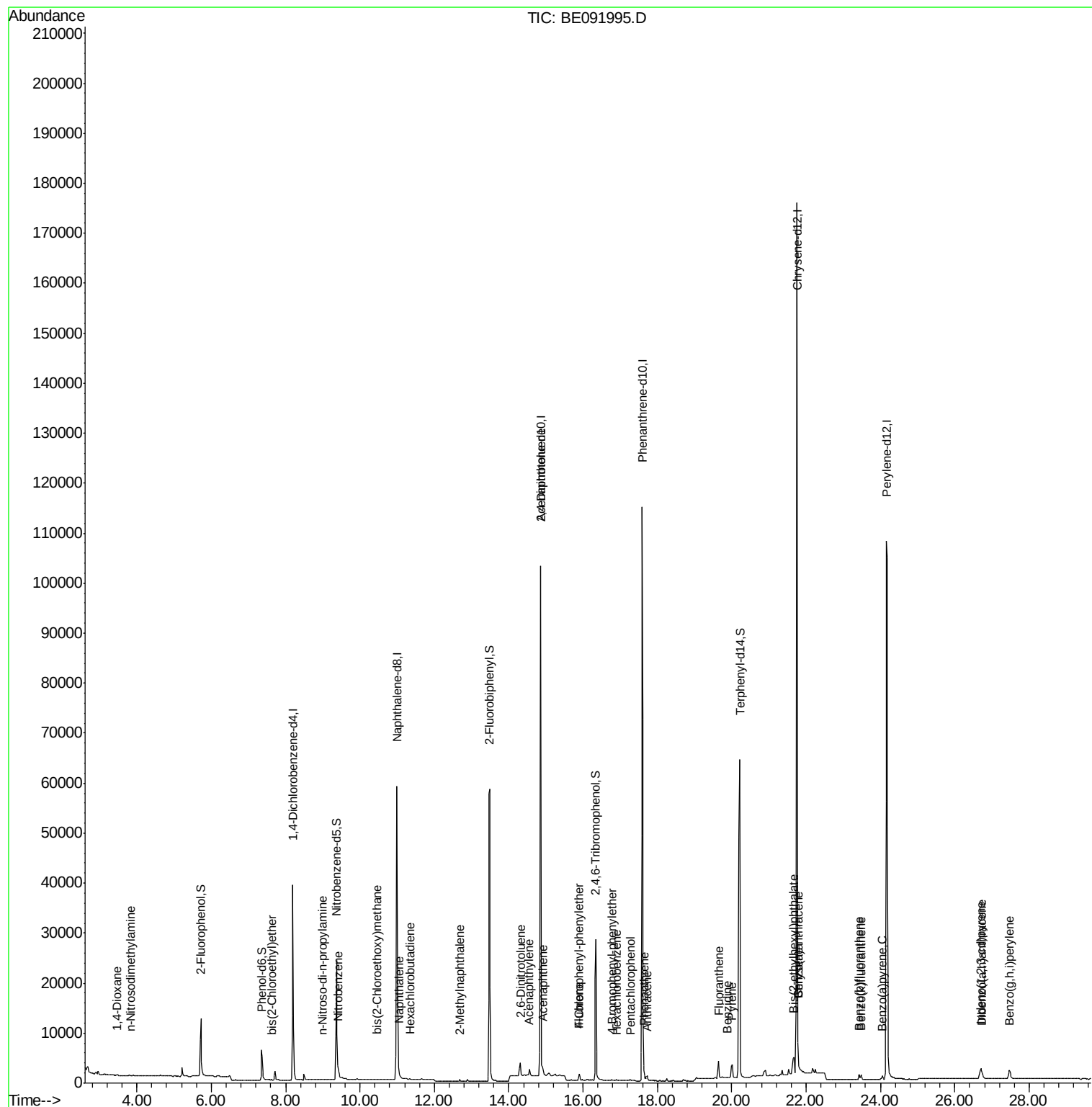
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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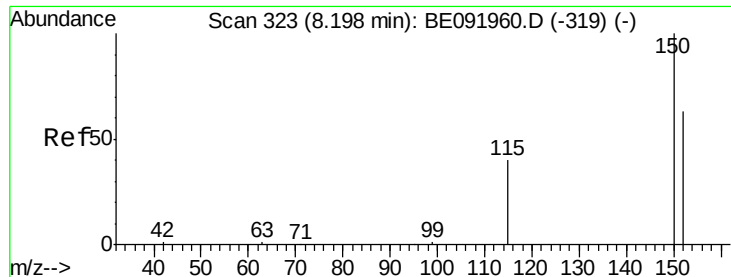
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

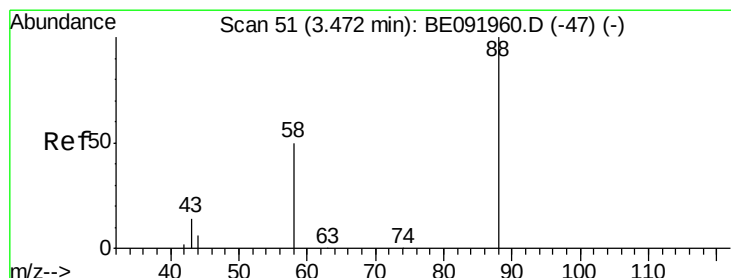
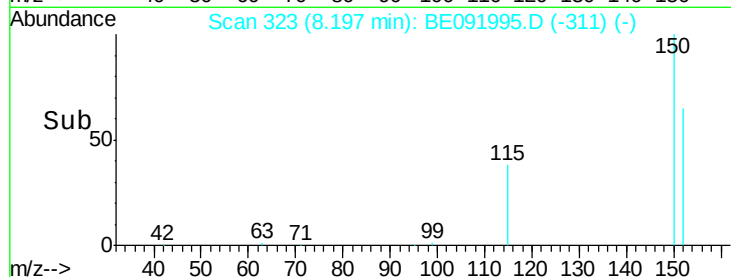
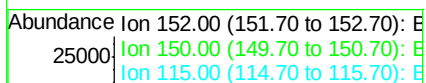
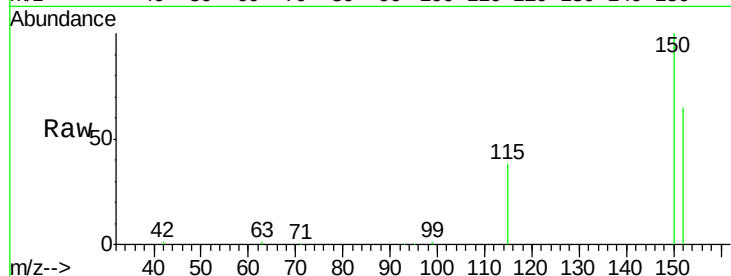
Tgt Ion: 152 Resp: 20900

Ion Ratio Lower Upper

152 100

150 152.8 123.9 185.9

115 58.5 48.3 72.5



#2

1,4-Dioxane

Concen: 0.06 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

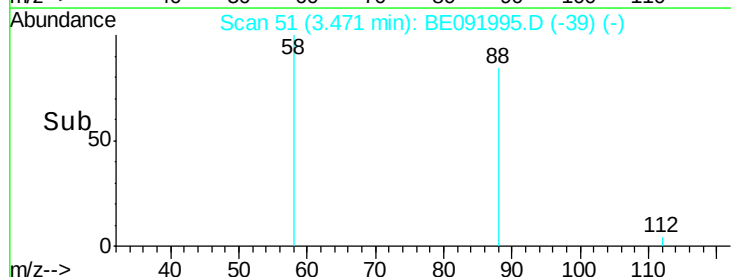
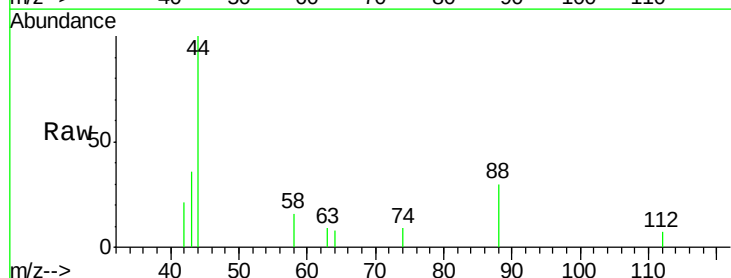
Tgt Ion: 88 Resp: 172

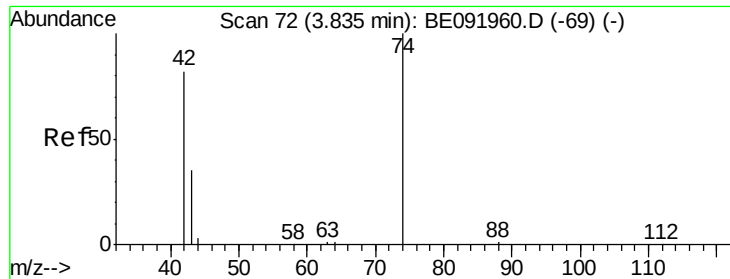
Ion Ratio Lower Upper

88 100

58 40.7 63.0 94.4#

43 66.9 29.1 43.7#





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.83 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

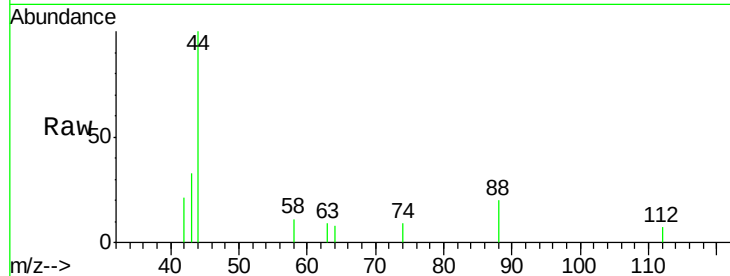
Tgt Ion: 42 Resp: 34

Ion Ratio Lower Upper

42 100

74 176.5 93.4 140.0#

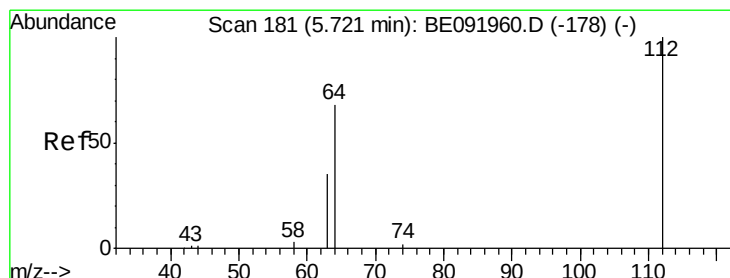
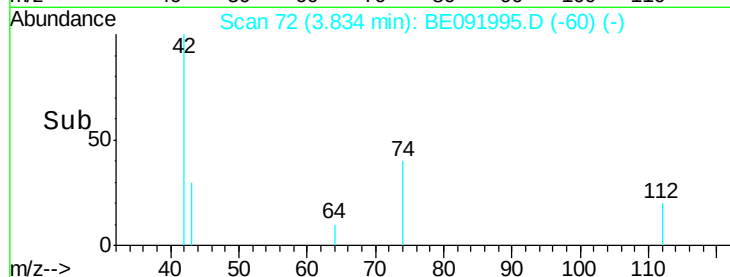
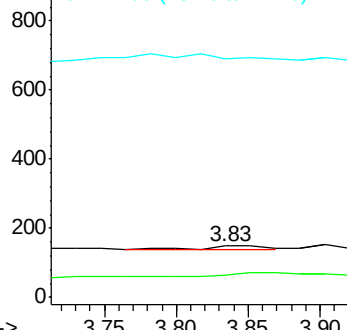
44 0.0 5.0 7.6#



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: 2.39 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

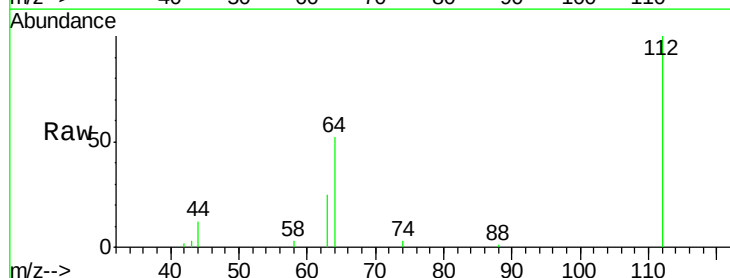
Tgt Ion: 112 Resp: 11936

Ion Ratio Lower Upper

112 100

64 67.4 53.7 80.5

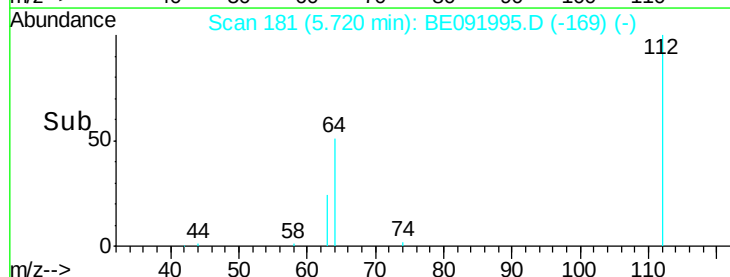
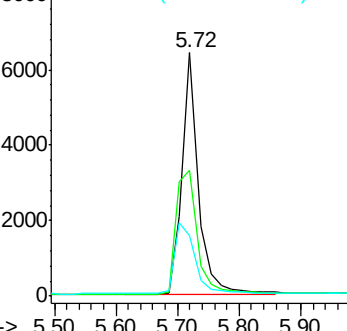
63 36.6 29.5 44.3

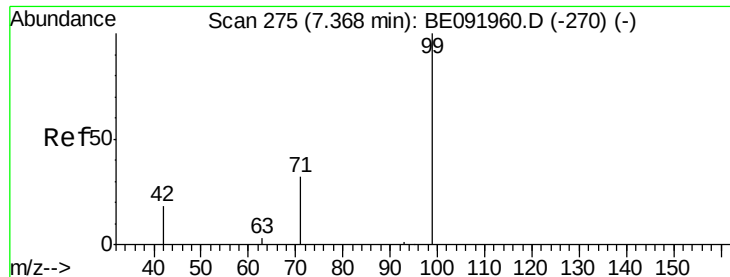


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.37 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

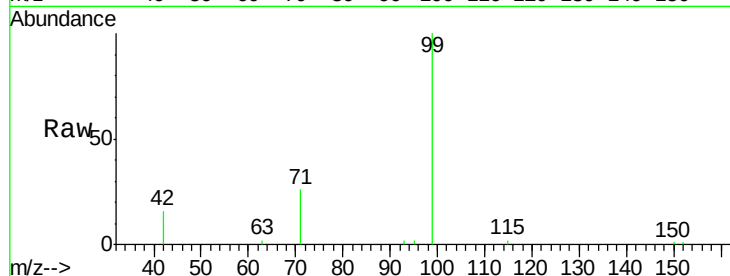
Tgt Ion: 99 Resp: 9535

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

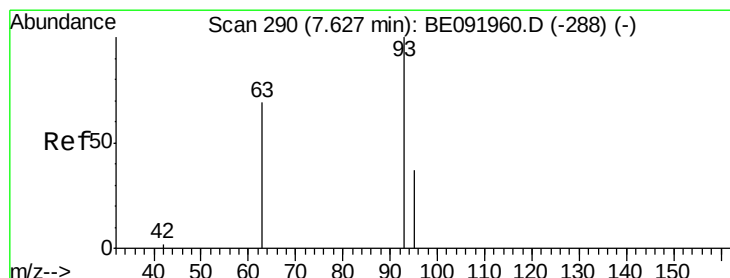
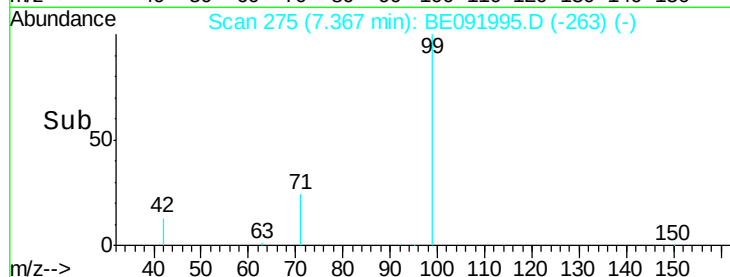
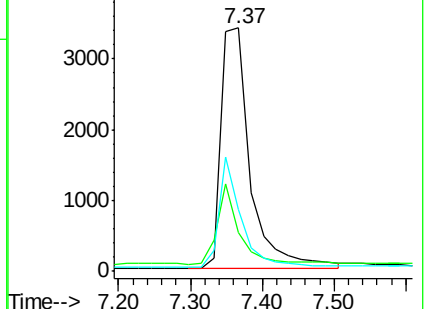
71 35.7 28.1 42.1



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: 0.02 ng

RT: 7.63 min Scan# 290

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

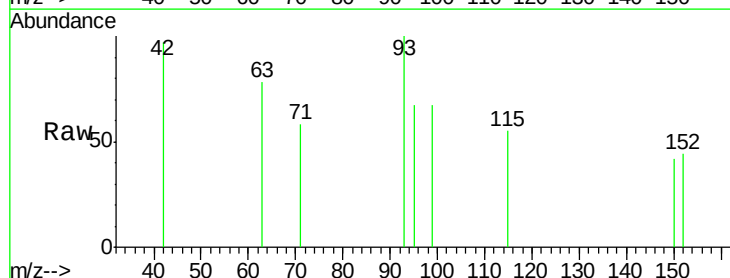
Tgt Ion: 93 Resp: 141

Ion Ratio Lower Upper

93 100

63 83.7 66.2 99.4

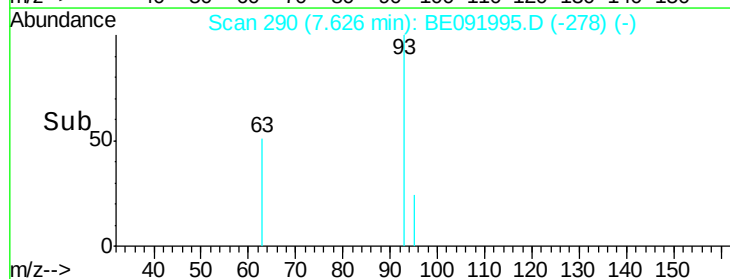
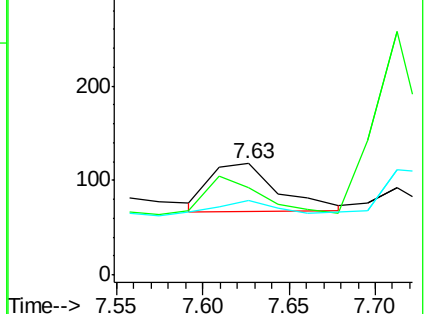
95 31.9 25.5 38.3

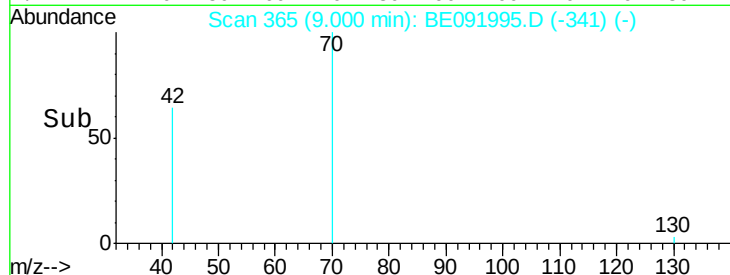
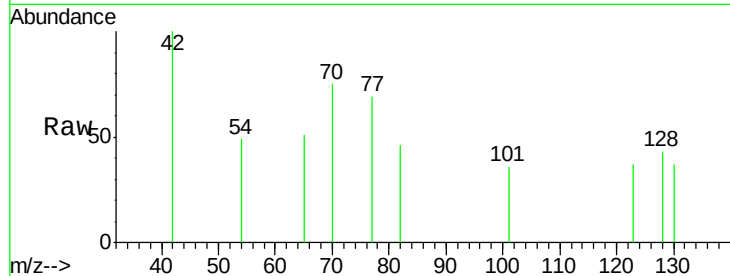
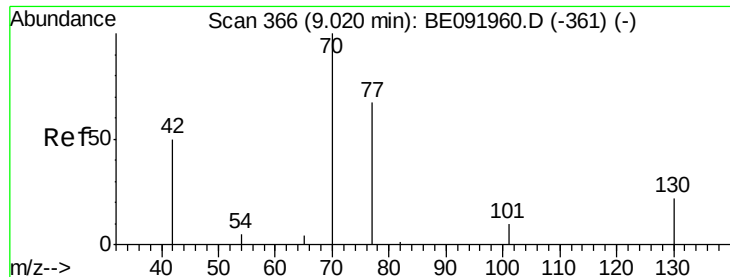


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.03 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

Tgt Ion: 70 Resp: 195

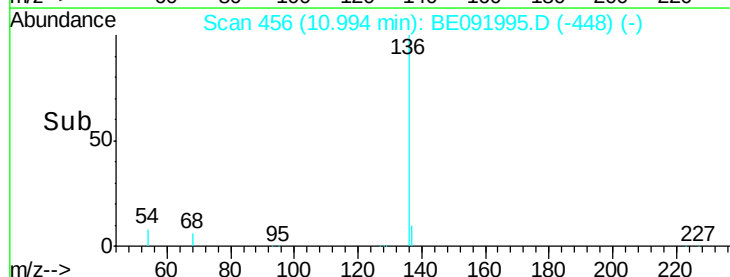
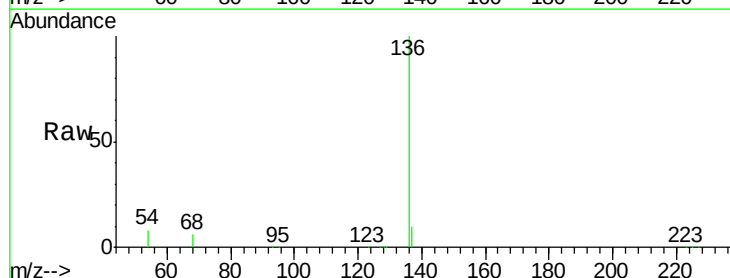
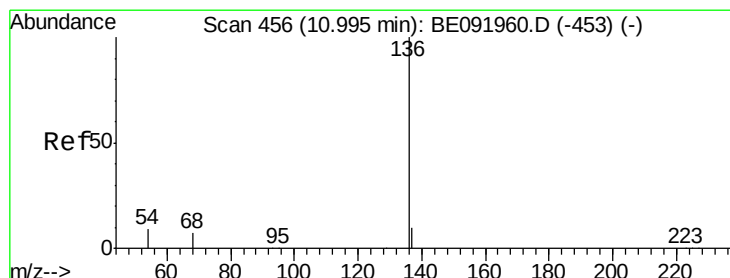
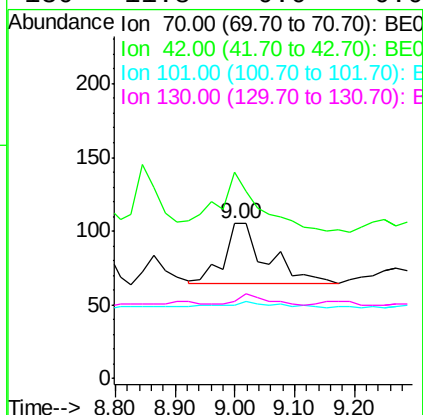
Ion Ratio Lower Upper

70 100

42 108.7 58.4 87.6#

101 14.9 6.4 9.6#

130 11.8 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Tgt Ion: 136 Resp: 98639

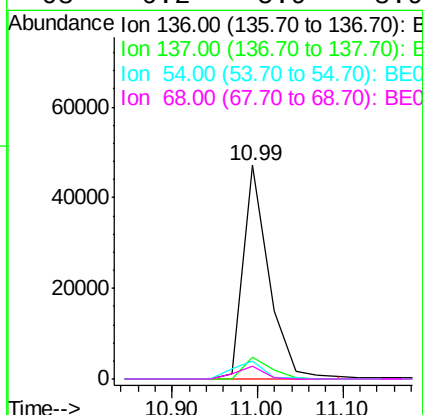
Ion Ratio Lower Upper

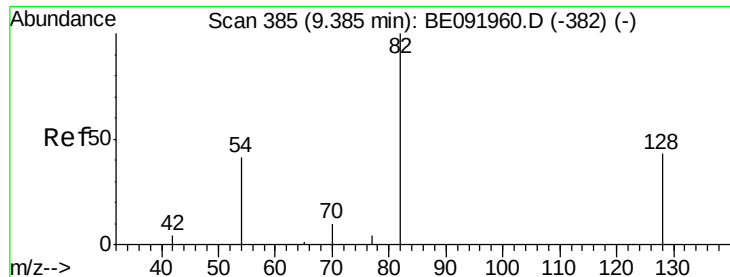
136 100

137 10.3 8.3 12.5

54 8.2 8.2 12.4#

68 6.2 5.9 8.9





#9

Nitrobenzene-d5

Concen: 3.76 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

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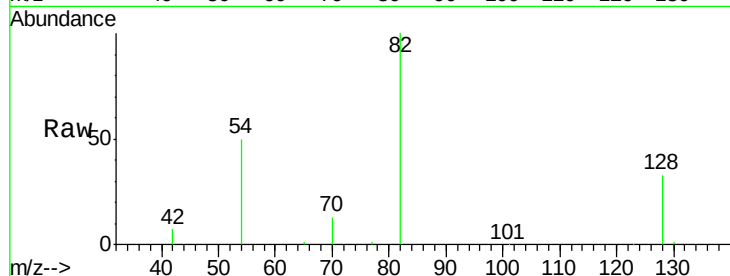
Tgt Ion: 82 Resp: 25279

Ion Ratio Lower Upper

82 100

128 32.7 39.5 59.3#

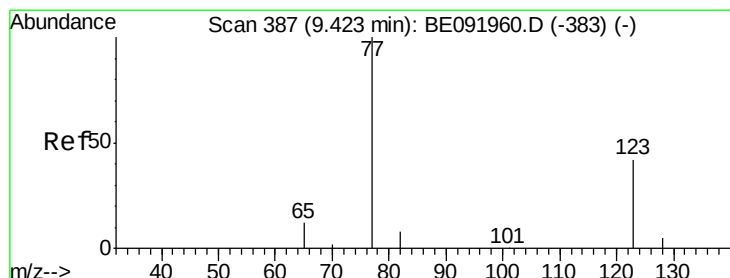
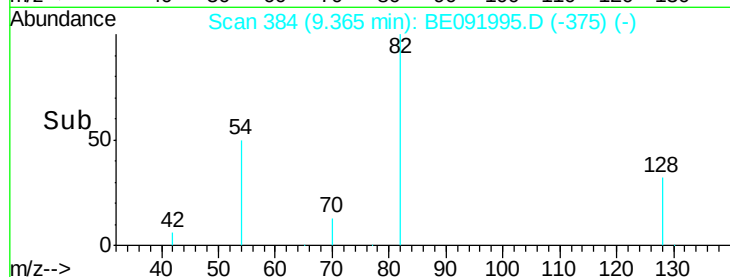
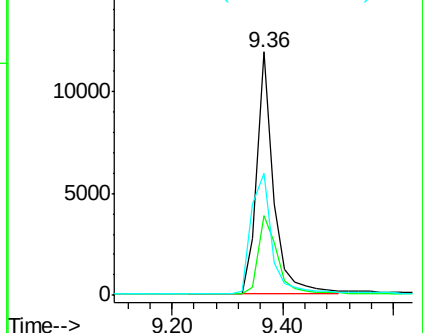
54 50.0 30.3 45.5#



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: 0.04 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

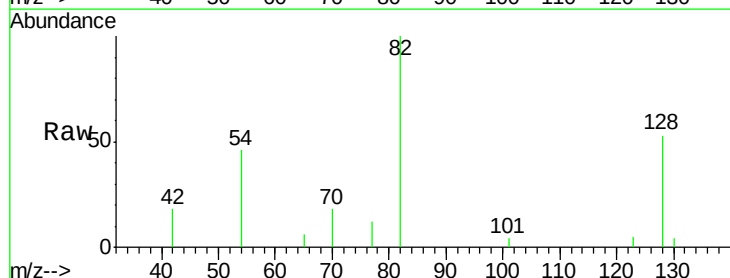
Tgt Ion: 77 Resp: 275

Ion Ratio Lower Upper

77 100

123 22.9 0.0 0.0#

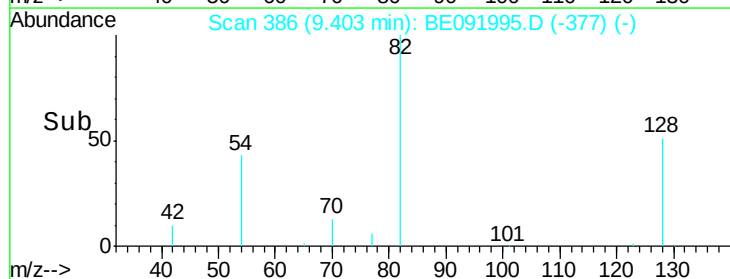
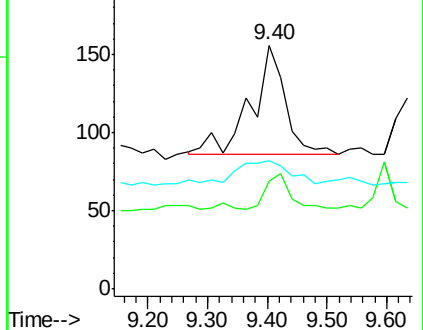
65 32.0 11.1 16.7#

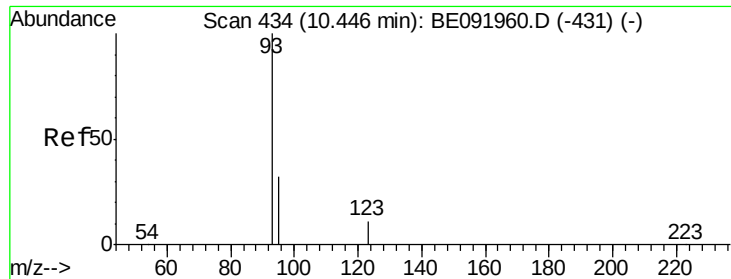


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

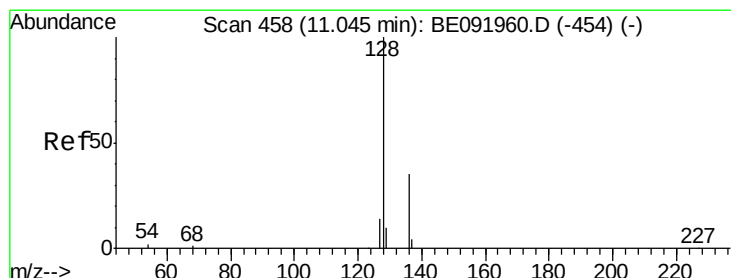
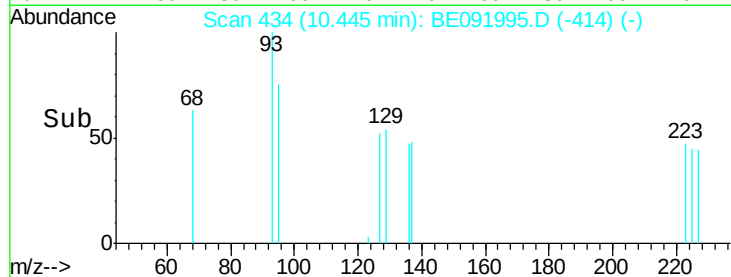
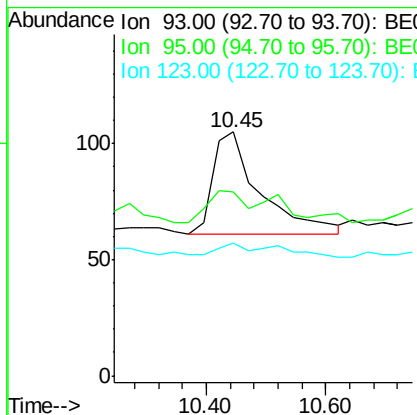
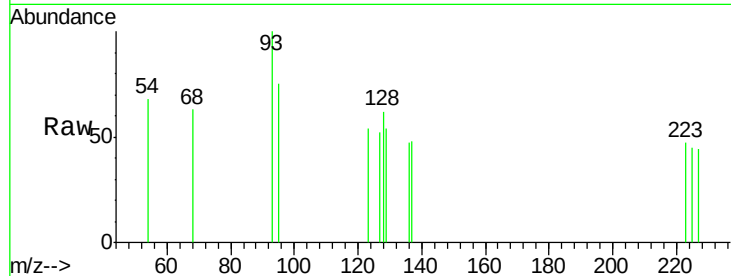




#11
bis(2-Chloroethoxy)methane
Concen: 0.03 ng
RT: 10.45 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE091995.D
Acq: 9 Jul 2016 12:48

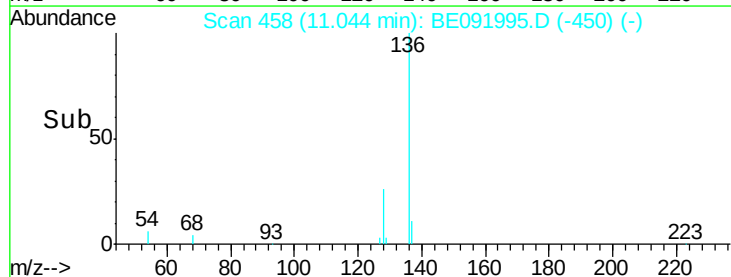
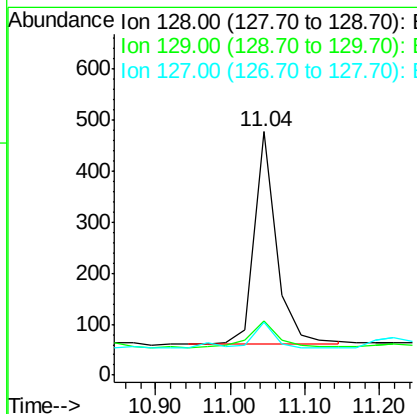
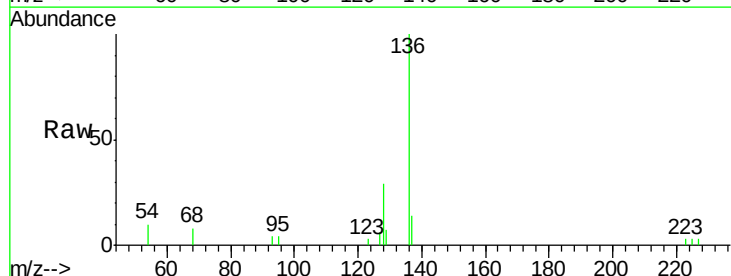
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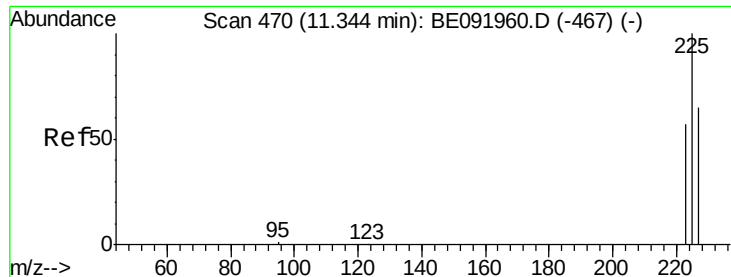
Tgt Ion: 93 Resp: 241
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 16.6 100.2 150.4#



#12
Naphthalene
Concen: 0.04 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091995.D
Acq: 9 Jul 2016 12:48

Tgt Ion: 128 Resp: 859
Ion Ratio Lower Upper
128 100
129 22.2 10.4 15.6#
127 22.0 10.2 15.2#

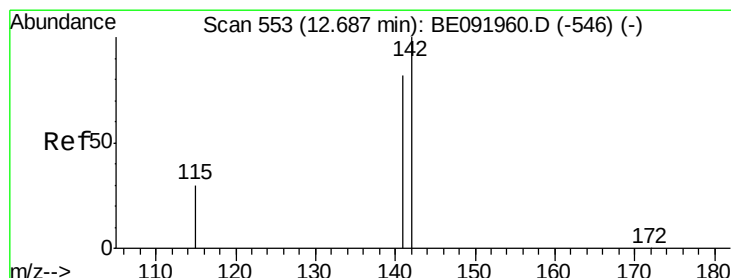
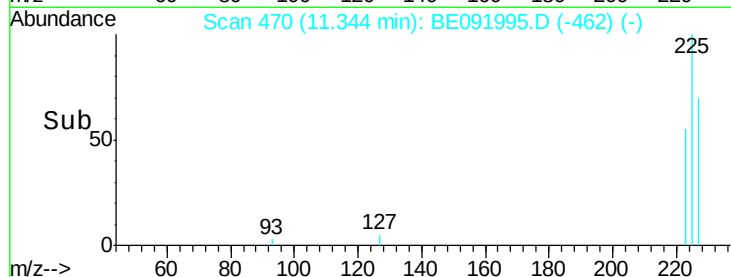
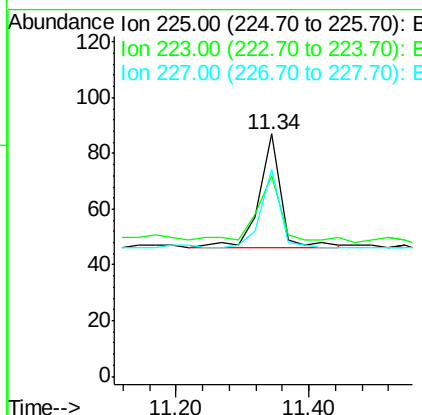
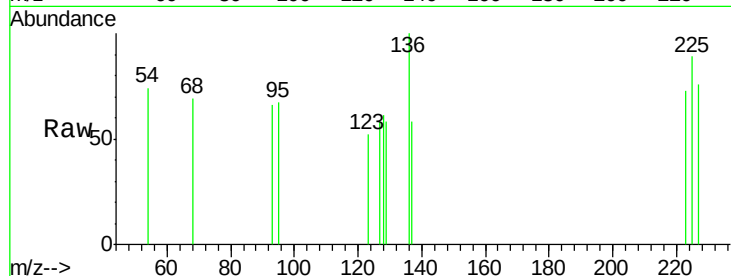




#13
Hexachlorobutadiene
Concen: 0.03 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091995.D
Acq: 9 Jul 2016 12:48

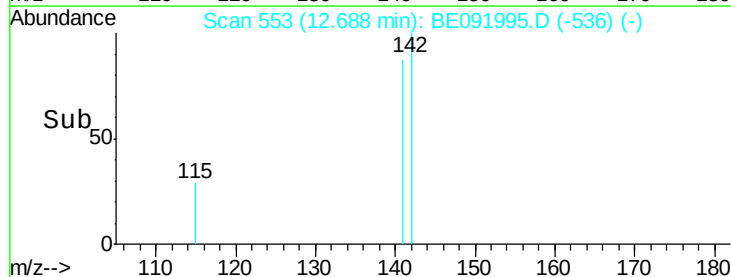
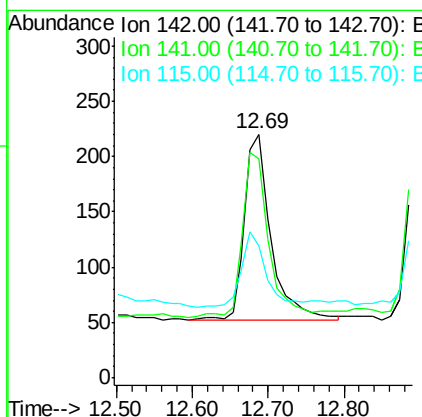
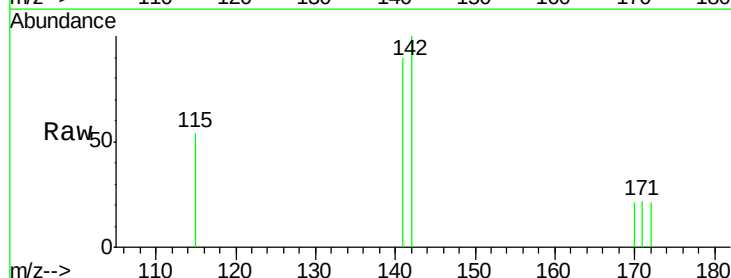
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160705

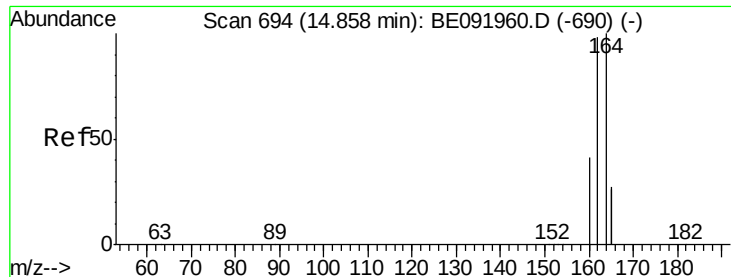
Tgt Ion: 225 Resp: 94
Ion Ratio Lower Upper
225 100
223 54.3 49.8 74.8
227 60.6 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.00 min
Lab File: BE091995.D
Acq: 9 Jul 2016 12:48

Tgt Ion: 142 Resp: 408
Ion Ratio Lower Upper
142 100
141 90.0 71.9 107.9
115 54.1 29.9 44.9#





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

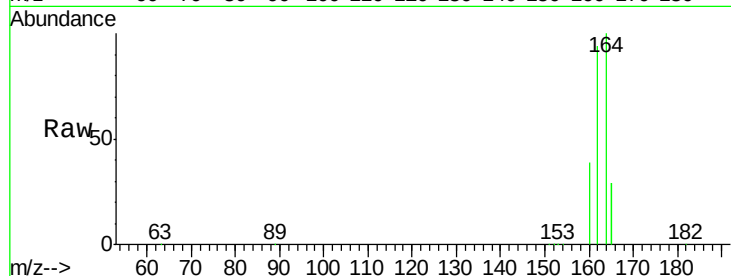
Tgt Ion:164 Resp: 66508

Ion Ratio Lower Upper

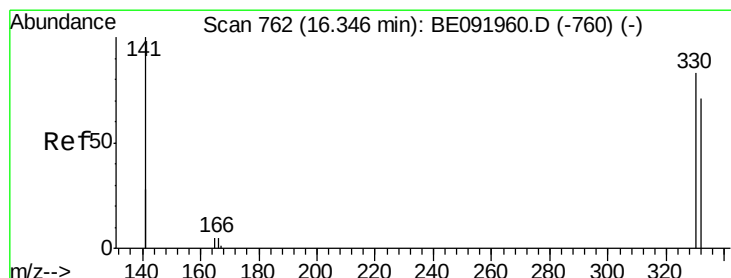
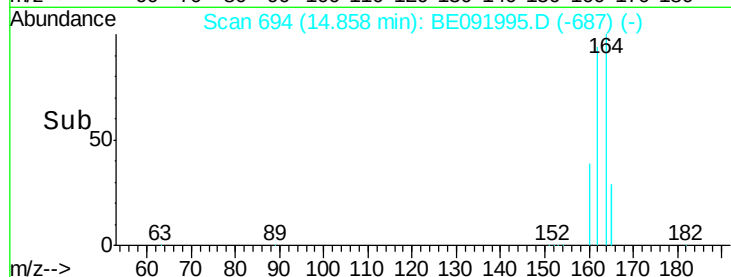
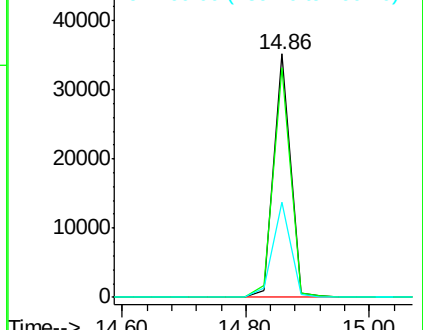
164 100

162 94.2 71.8 107.8

160 38.9 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: 6.66 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

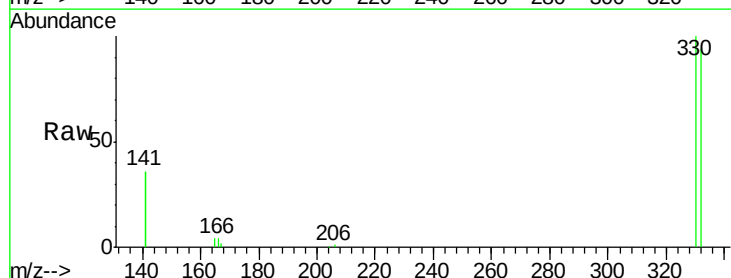
Tgt Ion:330 Resp: 15813

Ion Ratio Lower Upper

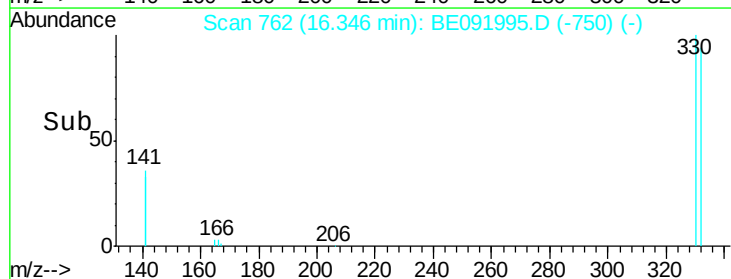
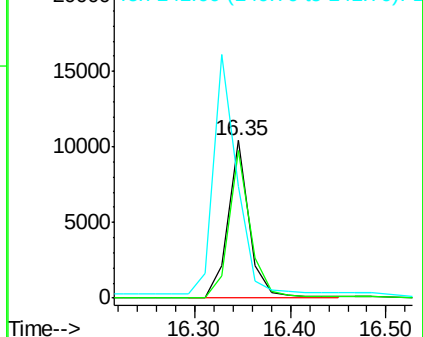
330 100

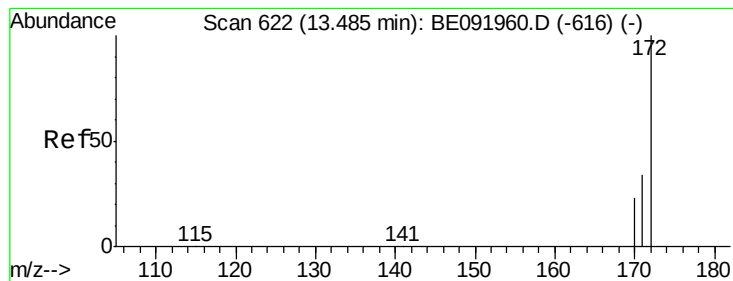
332 95.2 77.0 115.6

141 170.4 138.4 207.6



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

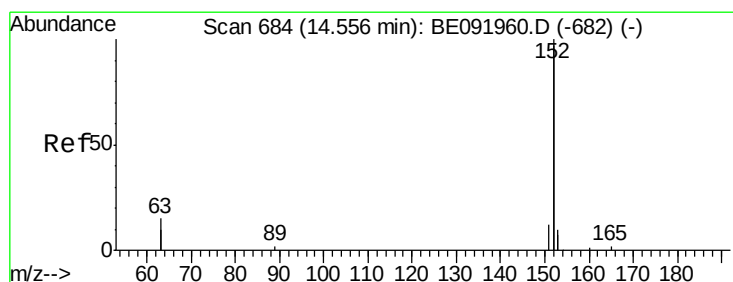
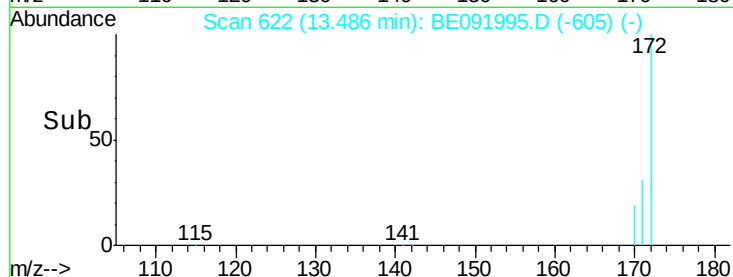
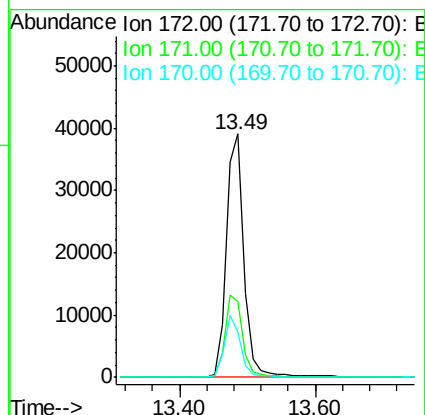
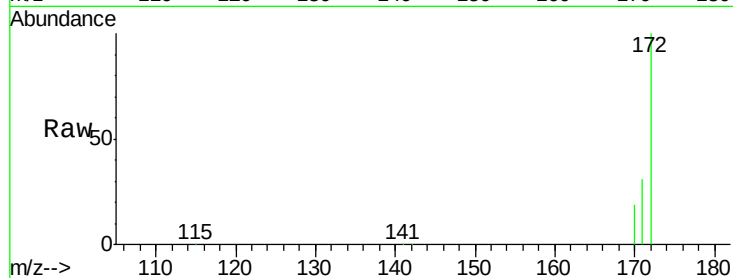




#17
2-Fluorobiphenyl
Concen: 4.38 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091995.D
Acq: 9 Jul 2016 12:48

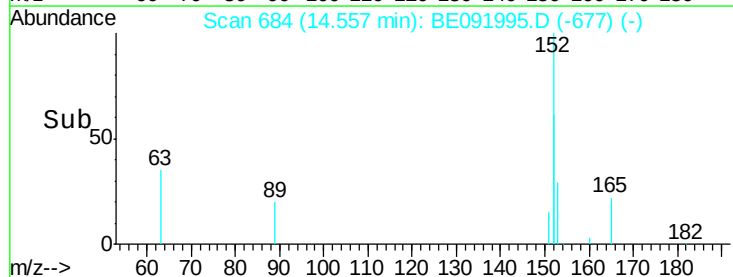
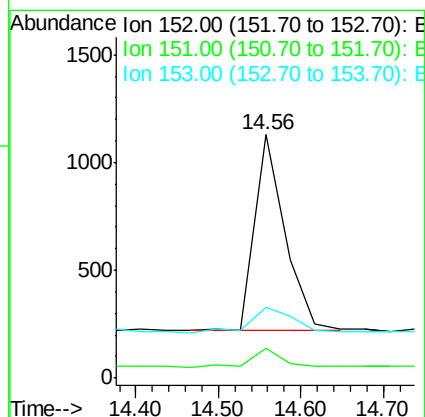
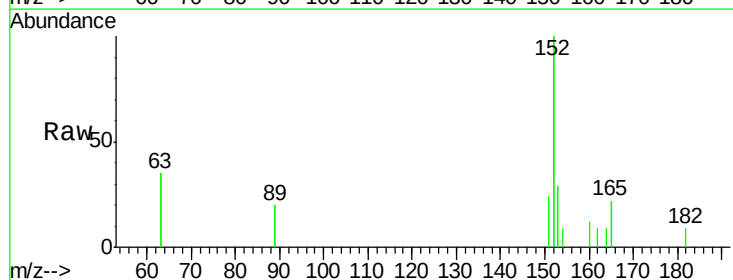
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160705

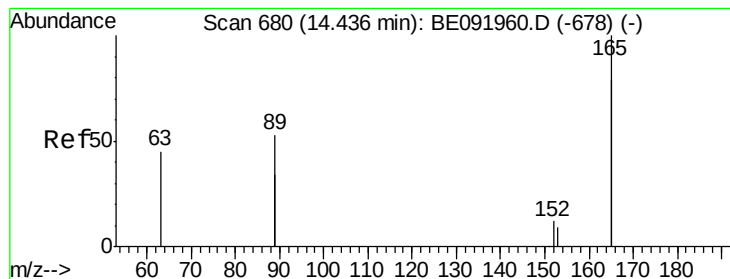
Tgt Ion:172 Resp: 71050
Ion Ratio Lower Upper
172 100
171 31.0 24.3 36.5
170 18.8 14.9 22.3



#18
Acenaphthylene
Concen: 0.03 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091995.D
Acq: 9 Jul 2016 12:48

Tgt Ion:152 Resp: 2316
Ion Ratio Lower Upper
152 100
151 8.8 19.4 29.2#
153 18.1 14.4 21.6





#19

2,6-Dinitrotoluene

Concen: 0.24 ng

RT: 14.32 min Scan# 676

Delta R.T. -0.12 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

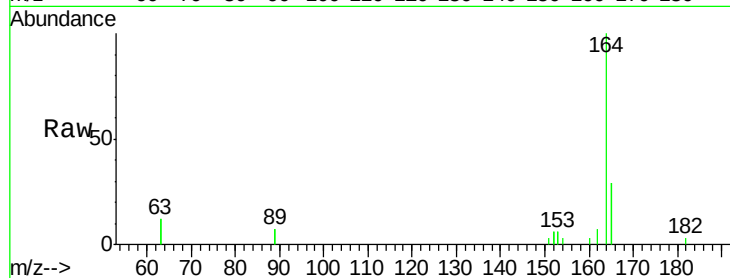
Tgt Ion:165 Resp: 2104

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

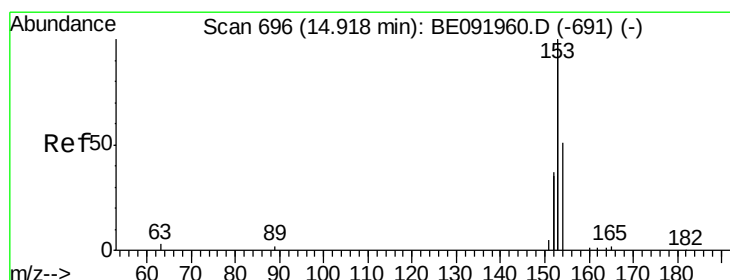
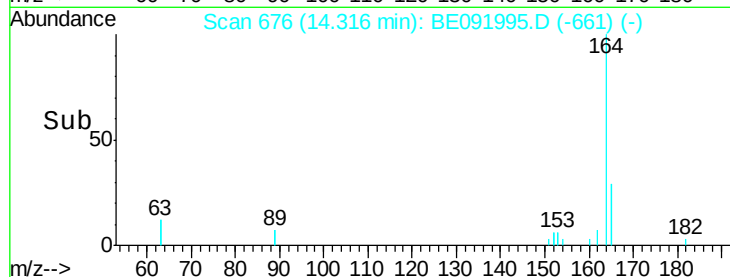
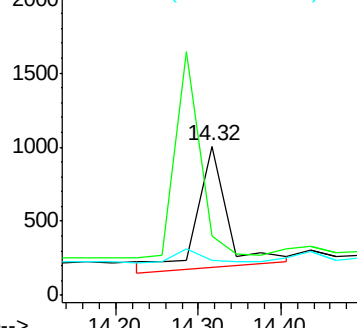
89 0.0 59.1 88.7#



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: 0.04 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

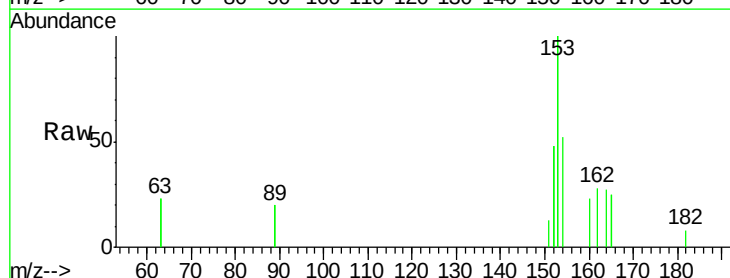
Tgt Ion:154 Resp: 702

Ion Ratio Lower Upper

154 100

153 303.6 88.1 132.1#

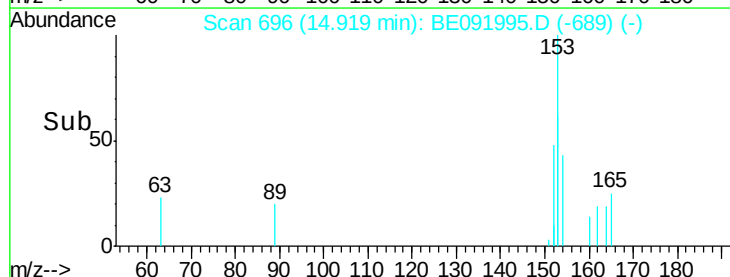
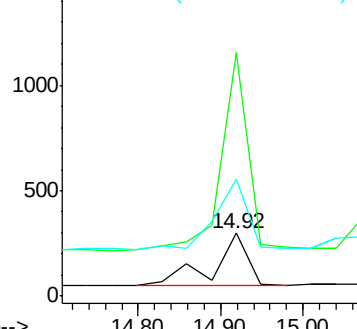
152 130.3 44.2 66.2#

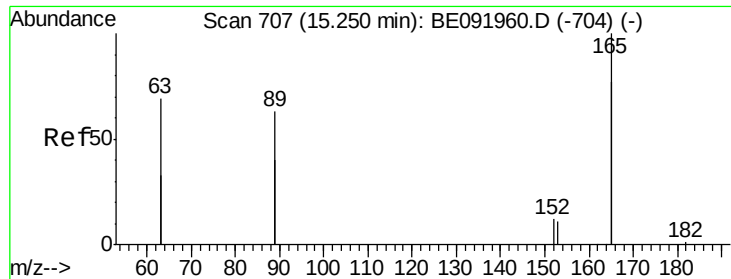


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

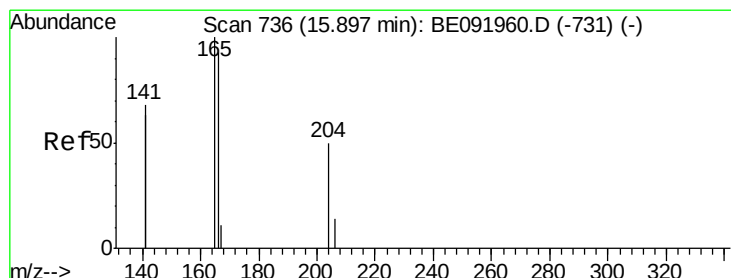
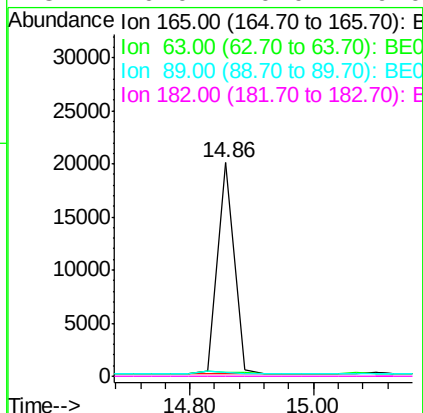
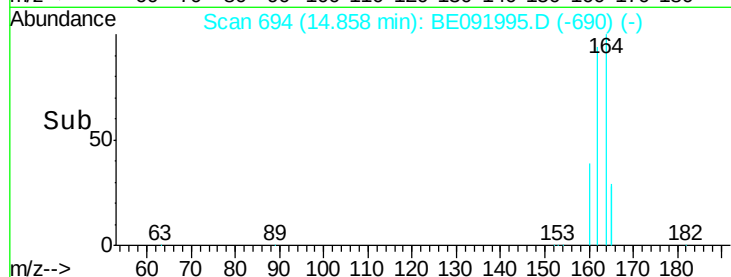
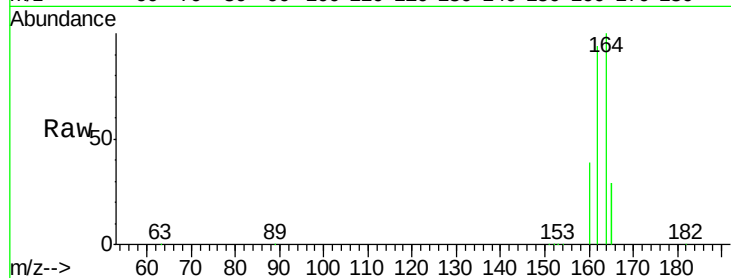




#21
 2,4-Dinitrotoluene
 Concen: 1.88 ng
 RT: 14.86 min Scan# 694
 Delta R.T. -0.39 min
 Lab File: BE091995.D
 Acq: 9 Jul 2016 12:48

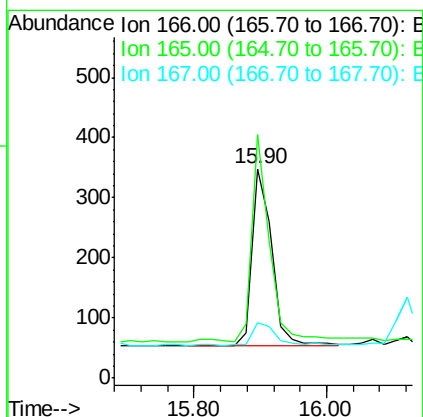
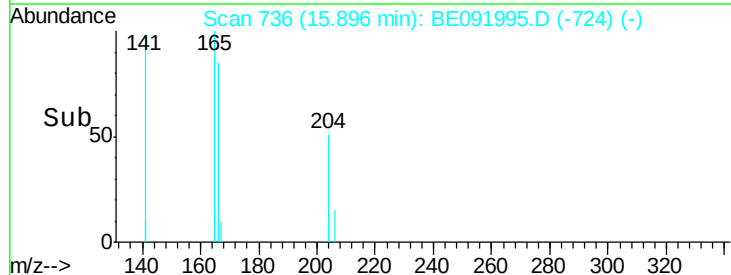
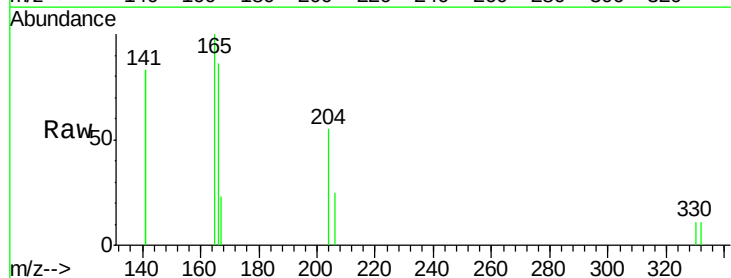
Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160705

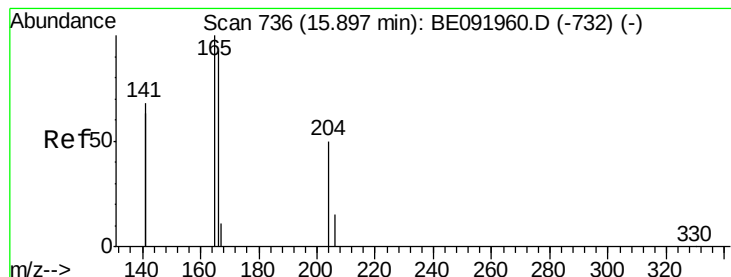
Tgt Ion:165 Resp: 37362
 Ion Ratio Lower Upper
 165 100
 63 0.0 0.0 0.0
 89 0.0 99.8 149.8#
 182 0.0 0.0 0.0



#22
 Fluorene
 Concen: 0.03 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE091995.D
 Acq: 9 Jul 2016 12:48

Tgt Ion:166 Resp: 616
 Ion Ratio Lower Upper
 166 100
 165 108.6 78.6 117.8
 167 15.6 10.8 16.2





#23

4-Chlorophenyl-phenylether

Concen: 0.03 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

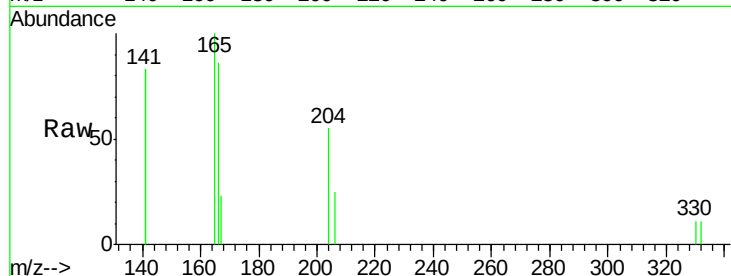
Tgt Ion:204 Resp: 294

Ion Ratio Lower Upper

204 100

206 33.0 27.8 41.6

141 257.1 197.6 296.4

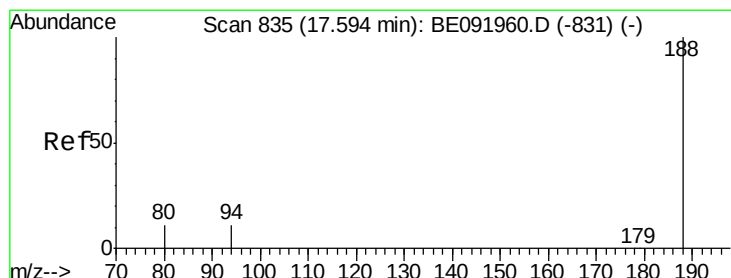
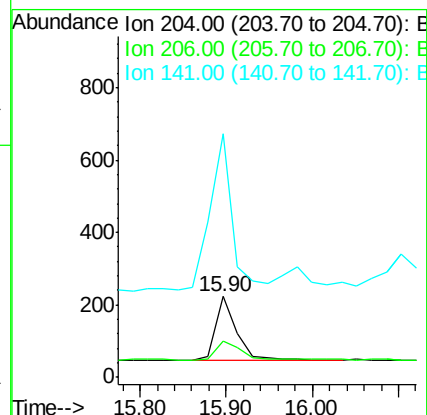
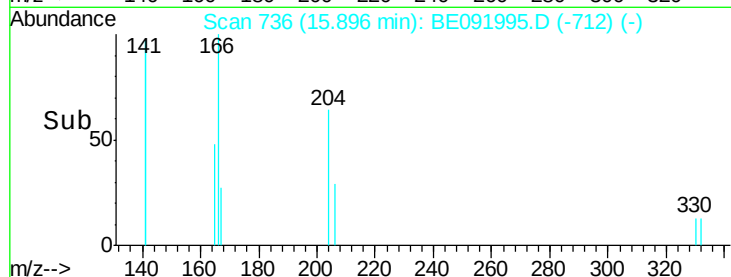


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.59 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

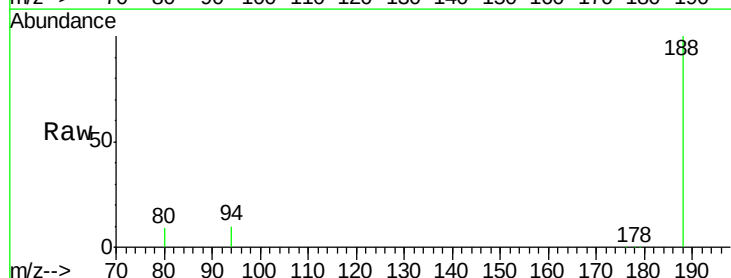
Tgt Ion:188 Resp: 148464

Ion Ratio Lower Upper

188 100

94 9.7 4.1 6.1#

80 9.4 3.4 5.2#

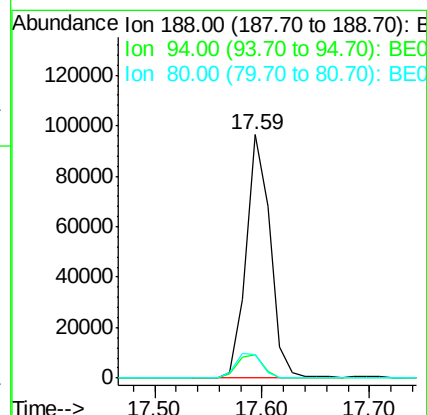
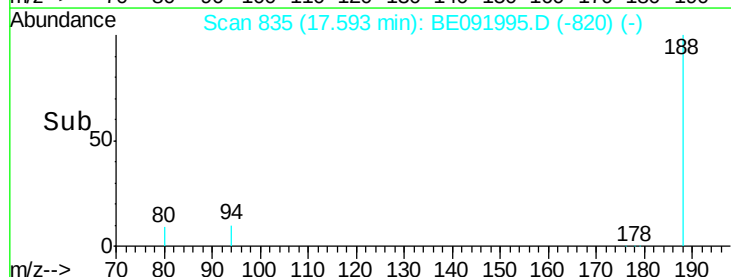


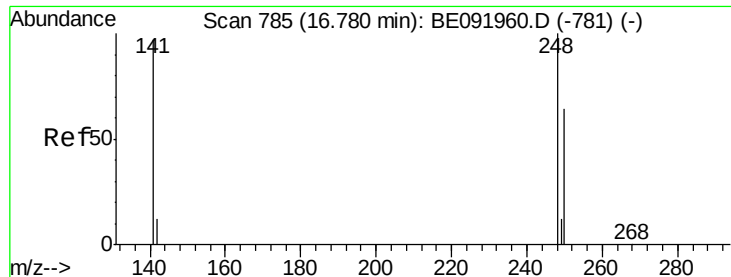
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

Time-->





#25

4-Bromophenyl-phenylether

Concen: 0.03 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

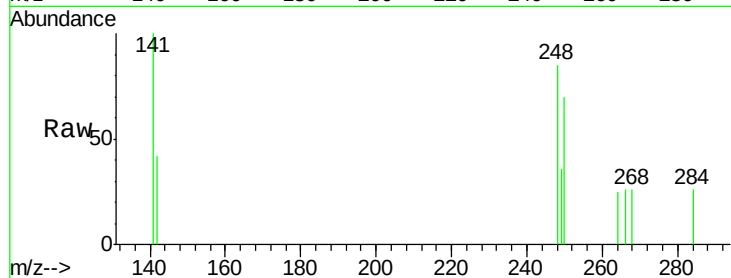
Tgt Ion:248 Resp: 180

Ion Ratio Lower Upper

248 100

250 97.2 75.7 113.5

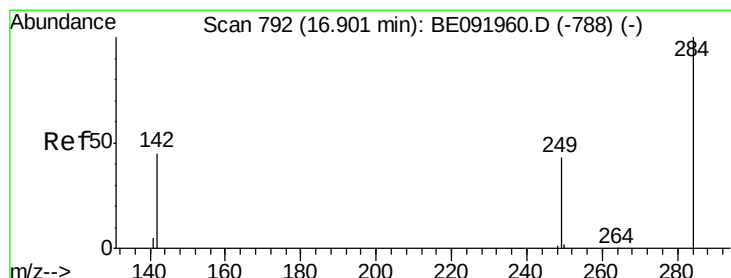
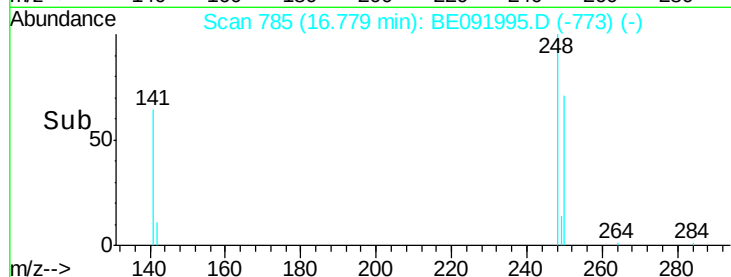
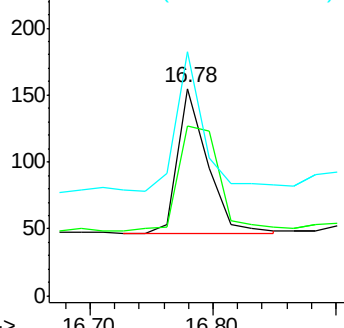
141 101.1 64.6 97.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 0.03 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

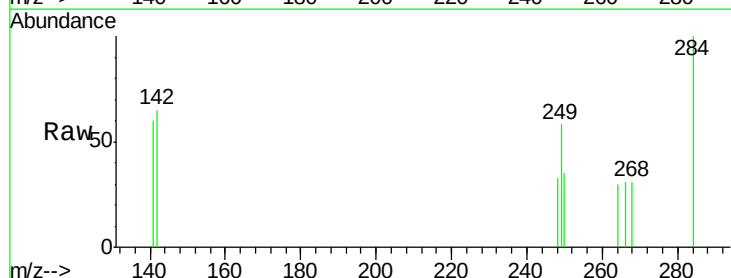
Tgt Ion:284 Resp: 190

Ion Ratio Lower Upper

284 100

142 39.5 31.4 47.2

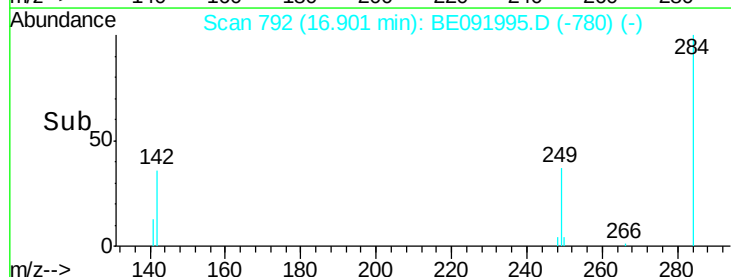
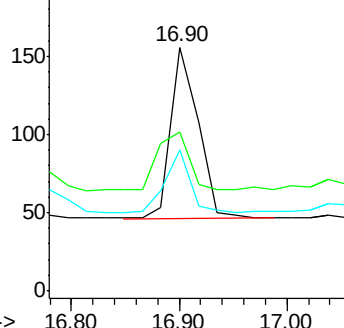
249 33.2 25.3 37.9

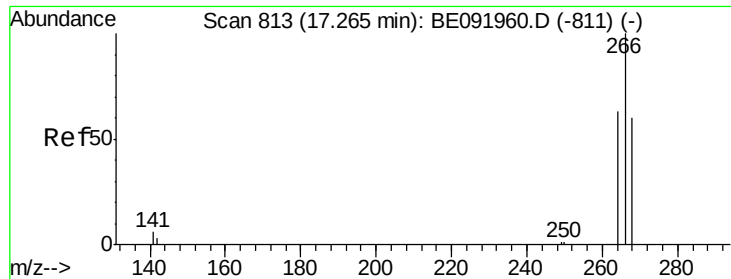


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.20 ng

RT: 17.26 min Scan# 813

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

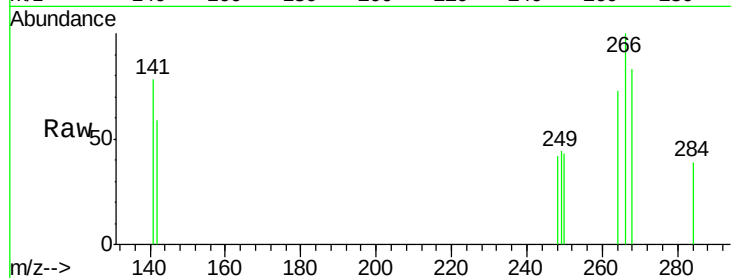
Tgt Ion:266 Resp: 200

Ion Ratio Lower Upper

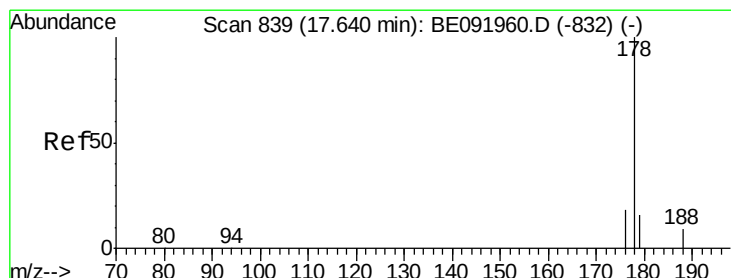
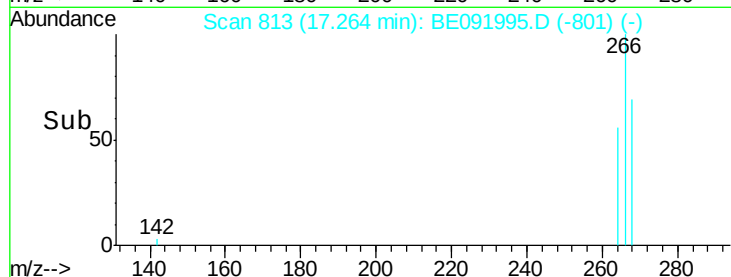
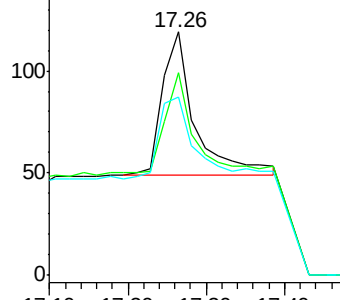
266 100

268 83.2 60.5 90.7

264 73.1 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: 0.04 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

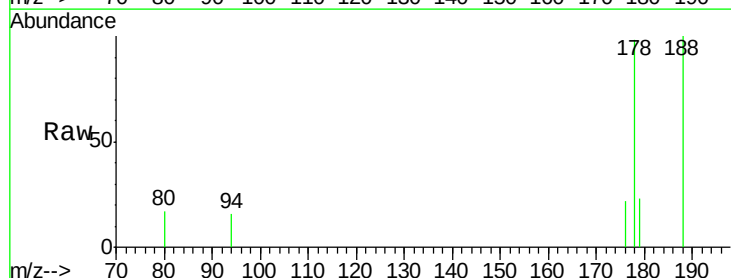
Tgt Ion:178 Resp: 1479

Ion Ratio Lower Upper

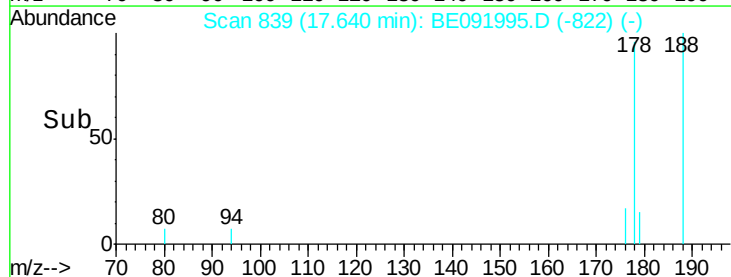
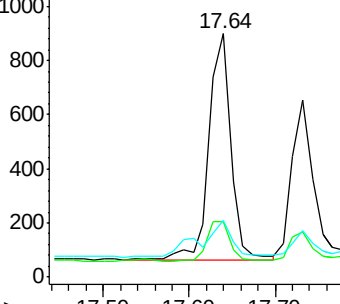
178 100

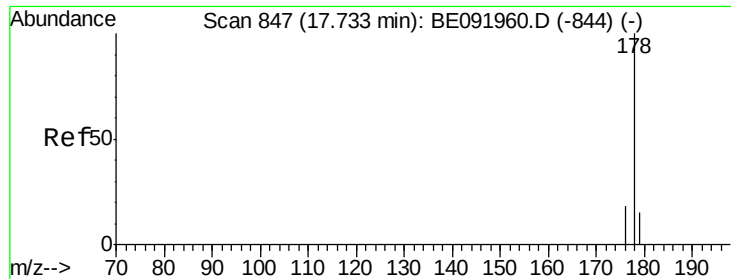
176 18.2 15.4 23.2

179 24.0 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: 0.03 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

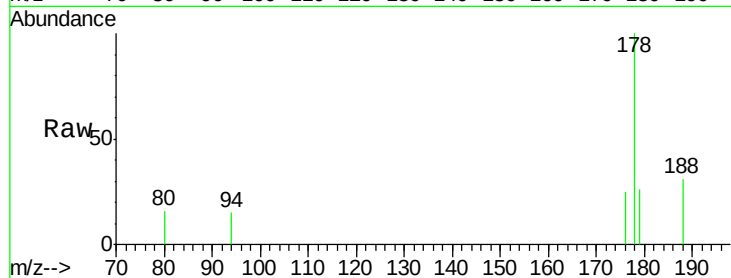
Tgt Ion:178 Resp: 1020

Ion Ratio Lower Upper

178 100

176 21.1 15.1 22.7

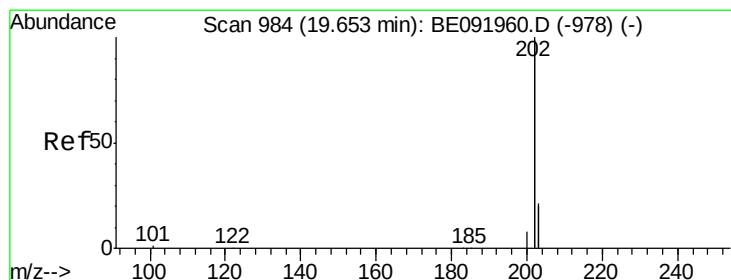
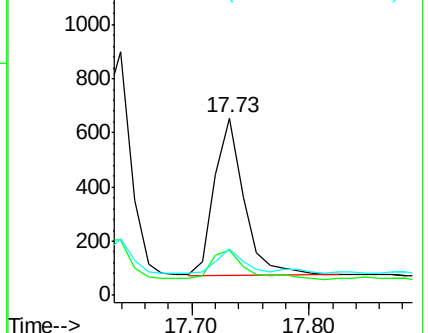
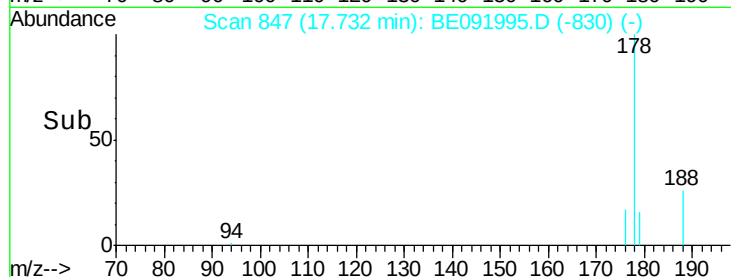
179 14.6 12.1 18.1



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: 0.03 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

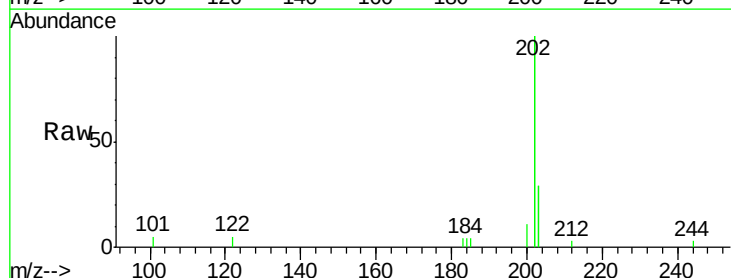
Tgt Ion:202 Resp: 5596

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

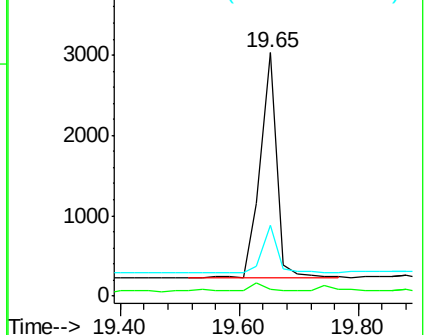
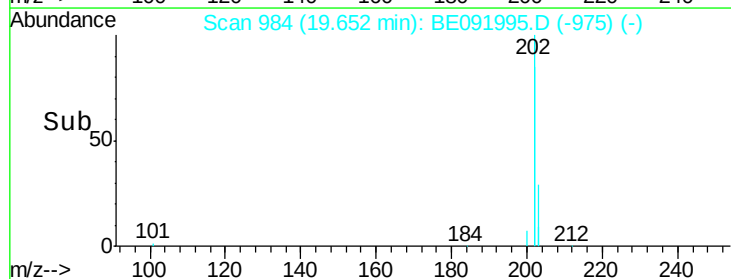
203 18.9 14.3 21.5

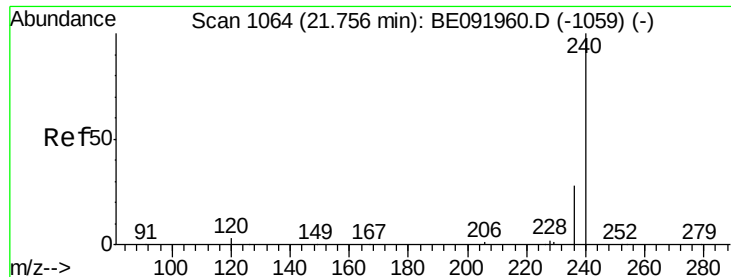


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

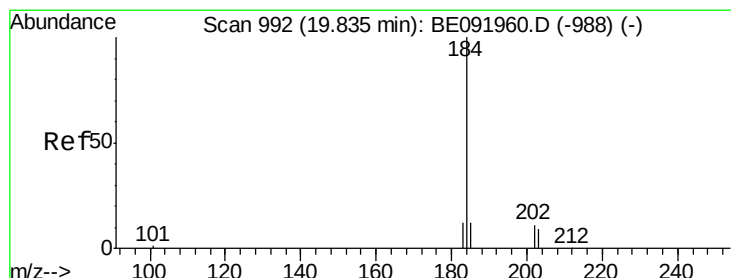
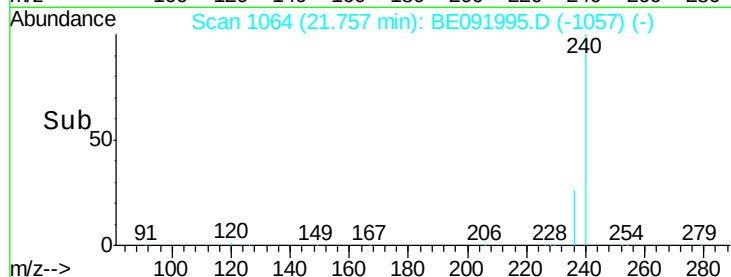
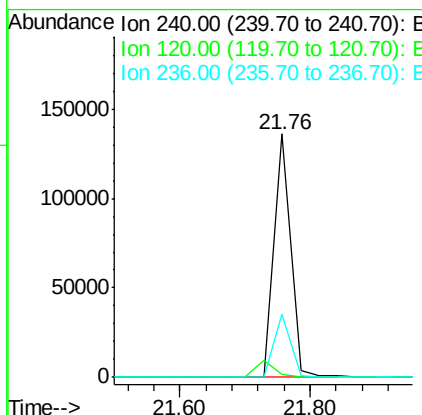
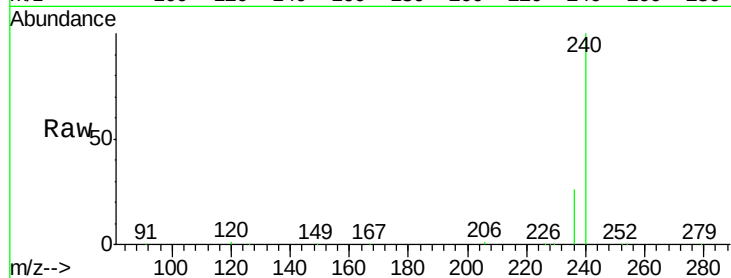




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091995.D
Acq: 9 Jul 2016 12:48

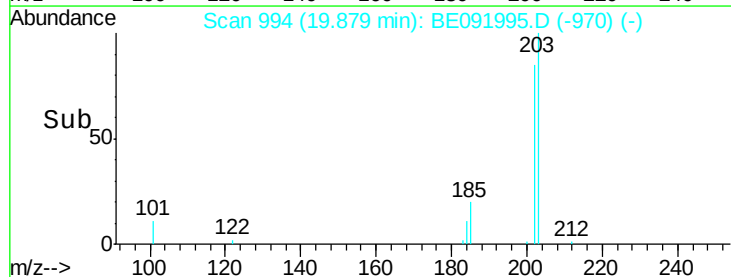
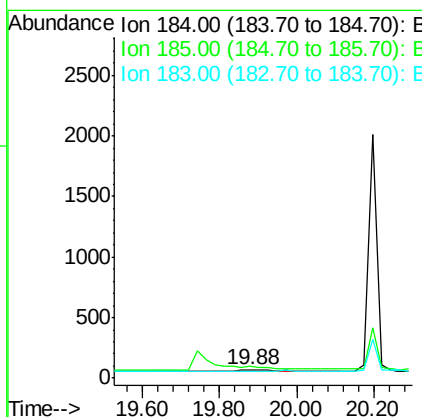
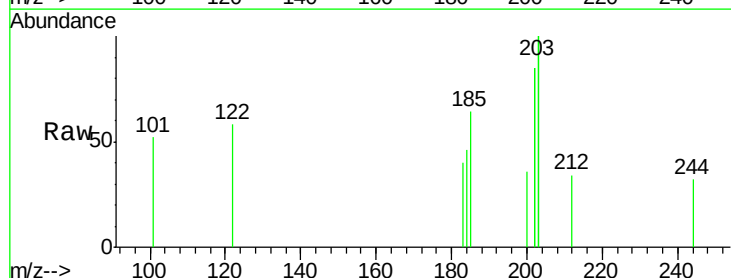
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160705

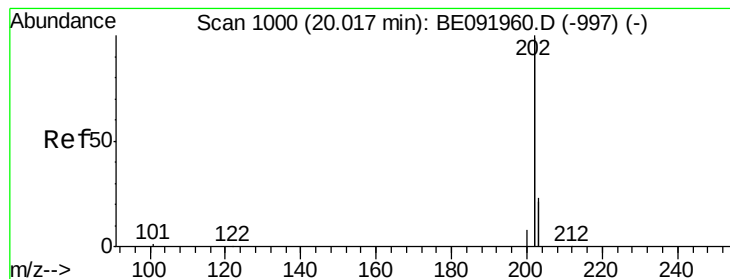
Tgt Ion:240 Resp: 243745
Ion Ratio Lower Upper
240 100
120 1.3 1.2 1.8
236 25.9 19.8 29.8



#32
Benzidine
Concen: 0.22 ng
RT: 19.88 min Scan# 994
Delta R.T. 0.05 min
Lab File: BE091995.D
Acq: 9 Jul 2016 12:48

Tgt Ion:184 Resp: 148
Ion Ratio Lower Upper
184 100
185 137.1 11.4 17.2#
183 85.7 11.8 17.6#





#33

Pyrene

Concen: 0.03 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

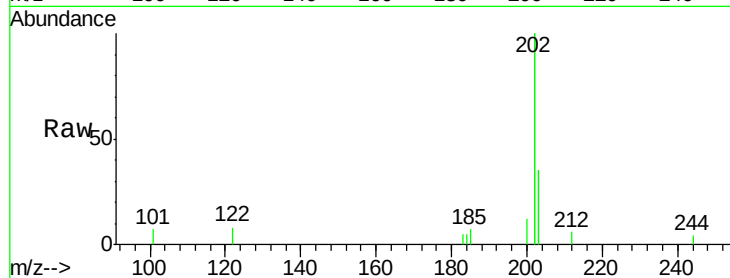
Instrument :

BNA_E

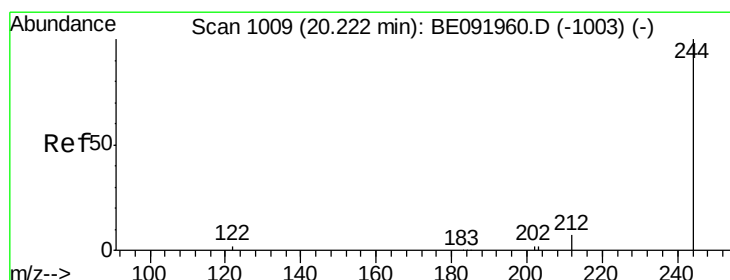
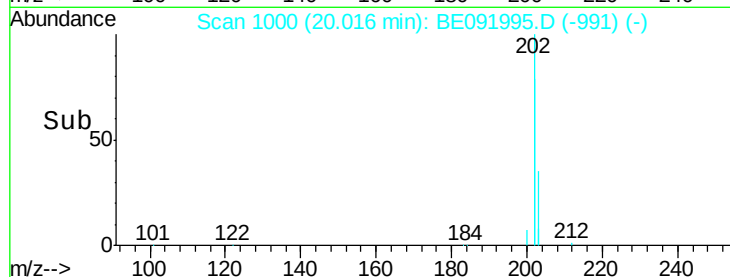
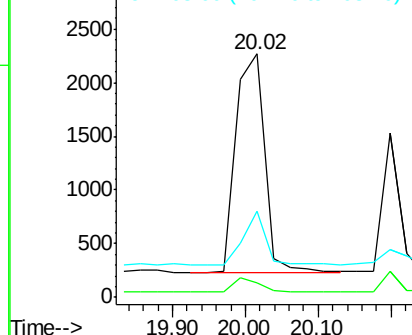
ClientSampleId :

OUTFALL001-160705

Tgt Ion:	202	Resp:	5552
Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.9	25.3#
203	19.0	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: 4.28 ng

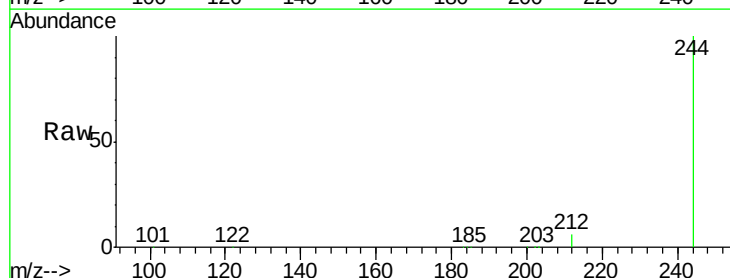
RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

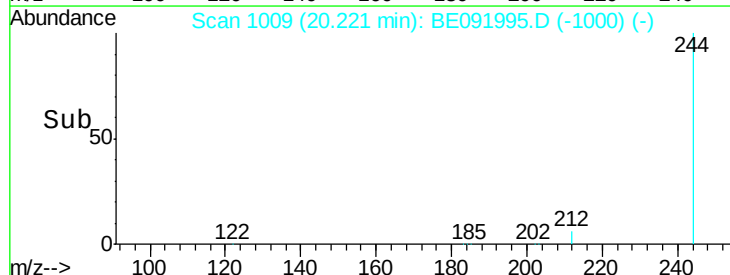
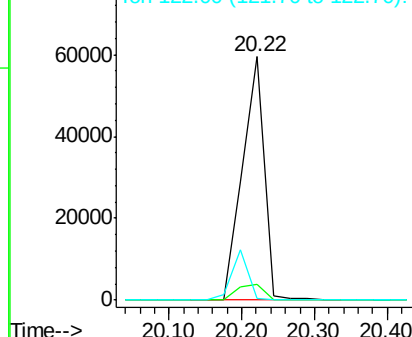
Lab File: BE091995.D

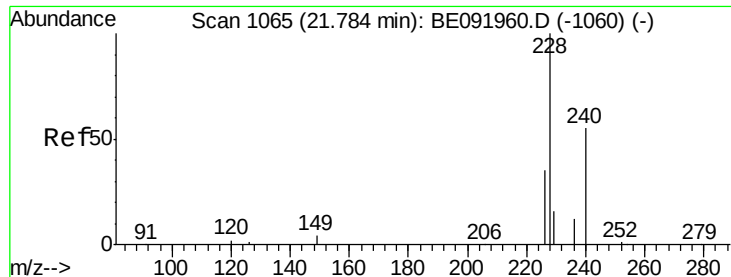
Acq: 9 Jul 2016 12:48

Tgt Ion:	244	Resp:	123151
Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.5	9.7#
122	0.5	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: 0.10 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

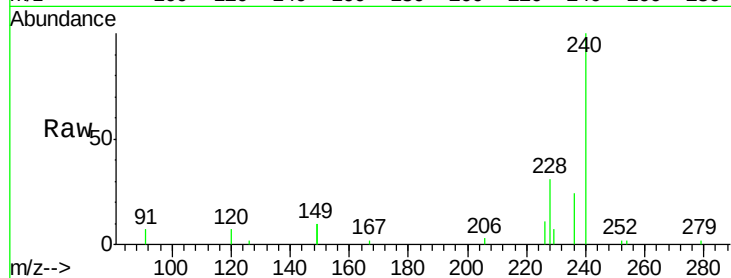
Tgt Ion:228 Resp: 3995

Ion Ratio Lower Upper

228 100

226 34.9 21.0 31.4#

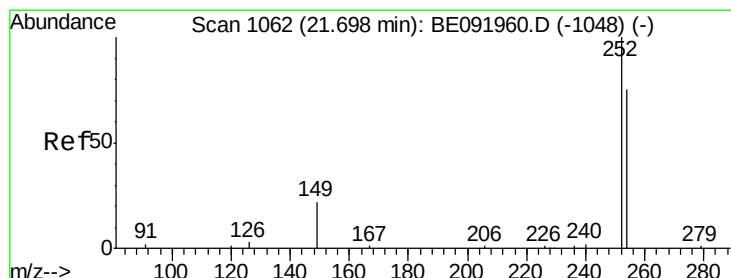
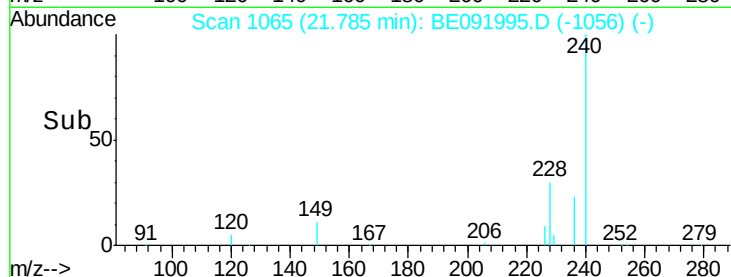
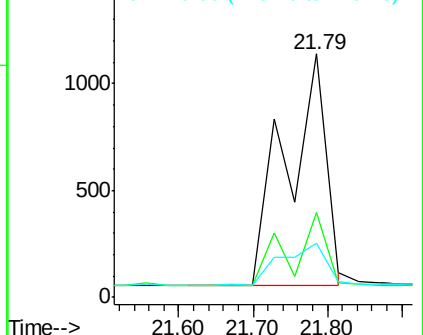
229 22.5 15.8 23.8



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: Below Cal

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

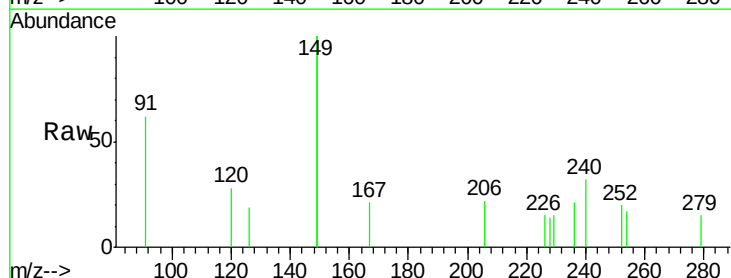
Tgt Ion:252 Resp: 64

Ion Ratio Lower Upper

252 100

254 82.3 61.5 92.3

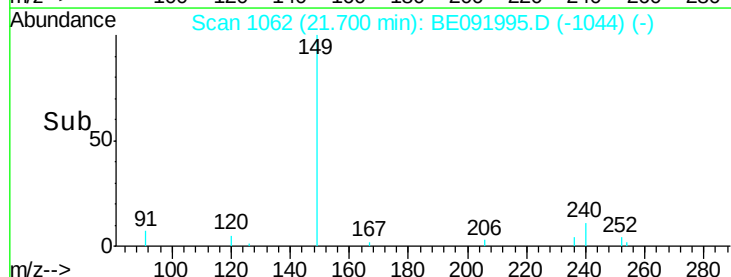
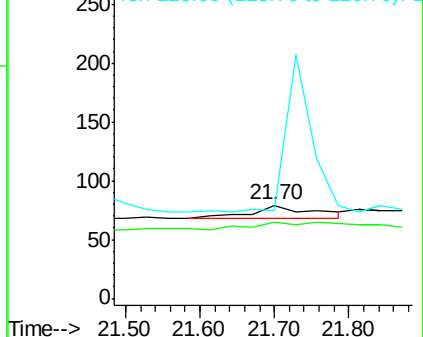
126 94.9 2.5 3.7#

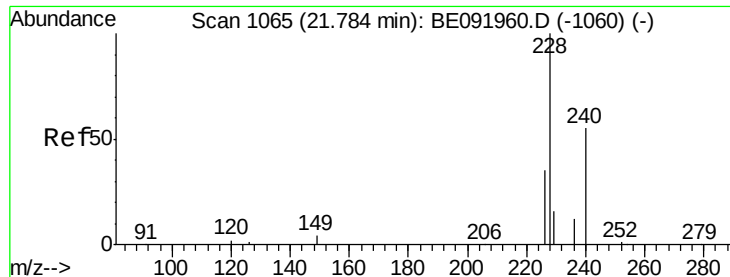


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.07 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

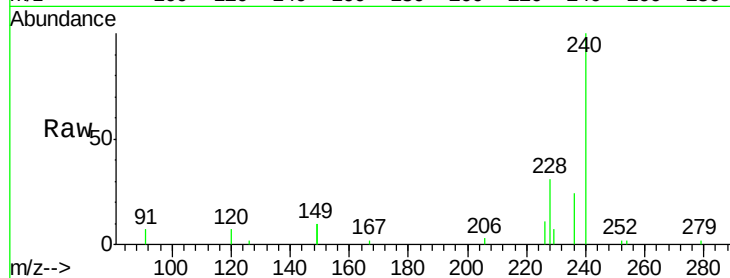
Tgt Ion:228 Resp: 4031

Ion Ratio Lower Upper

228 100

226 34.9 27.0 40.6

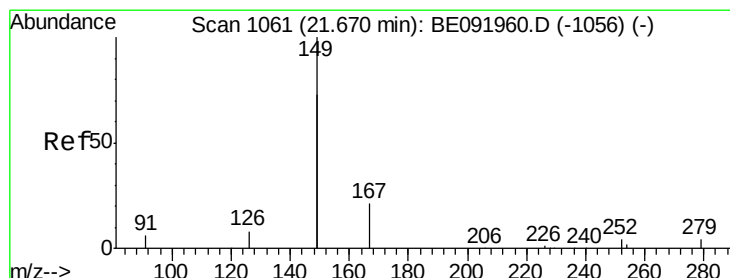
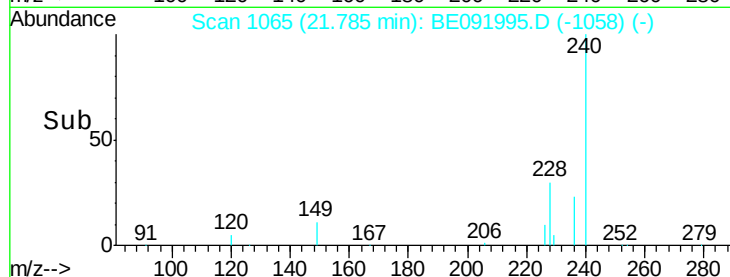
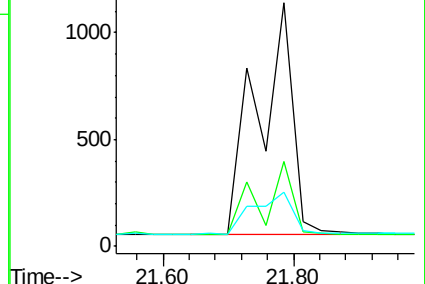
229 22.5 13.8 20.8#



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: 0.24 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

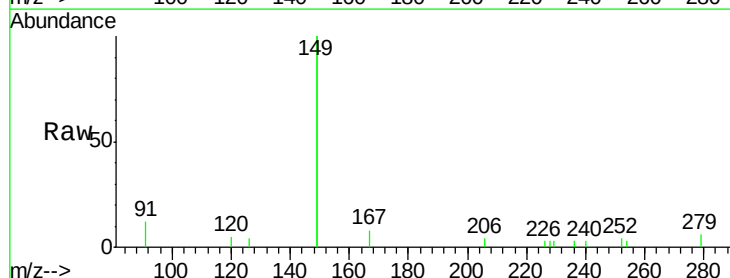
Tgt Ion:149 Resp: 11221

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

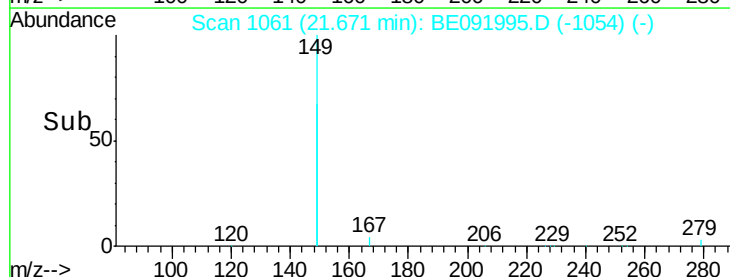
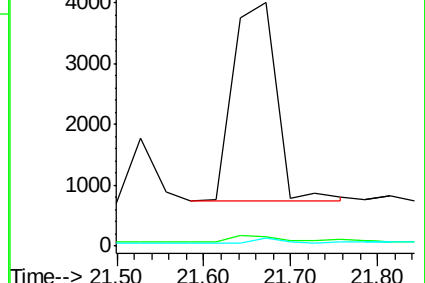
279 1.3 0.0 0.0#

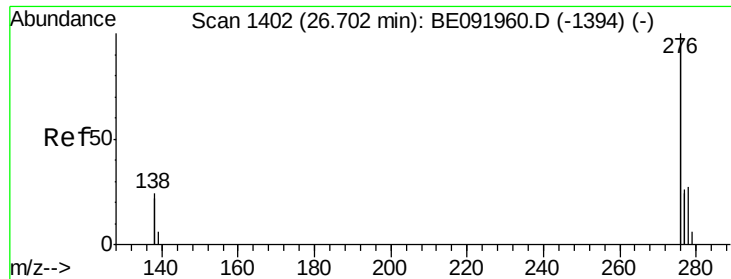


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.02 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

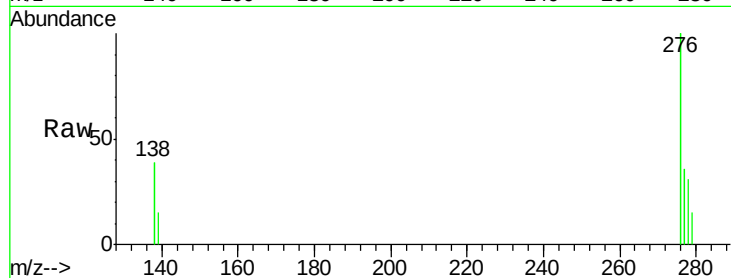
Tgt Ion:276 Resp: 5492

Ion Ratio Lower Upper

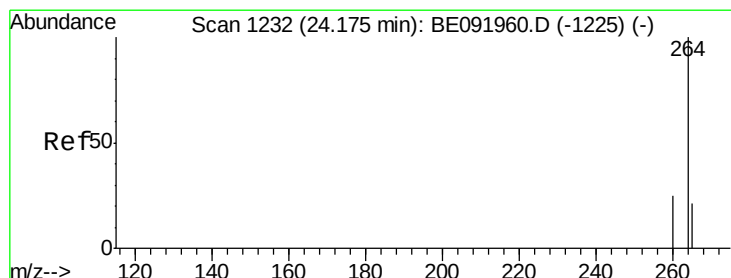
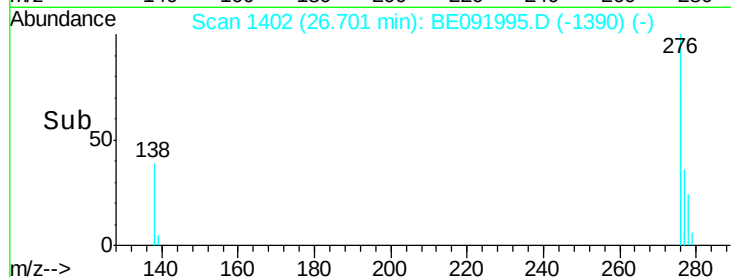
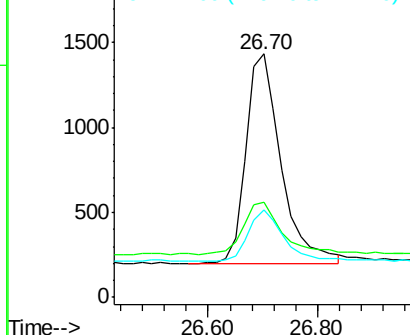
276 100

138 27.8 19.7 29.5

277 24.5 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: 24.16 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

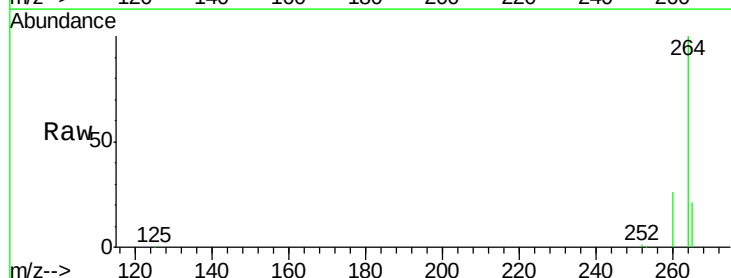
Tgt Ion:264 Resp: 170730

Ion Ratio Lower Upper

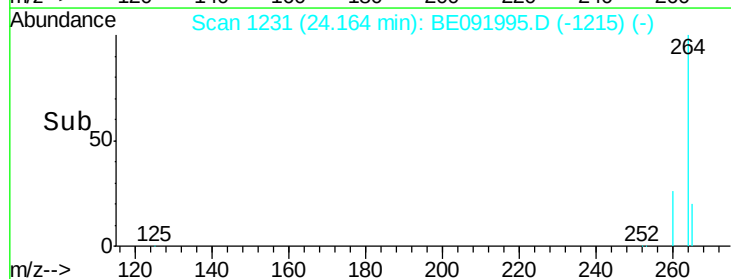
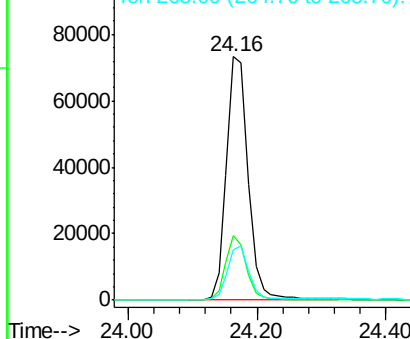
264 100

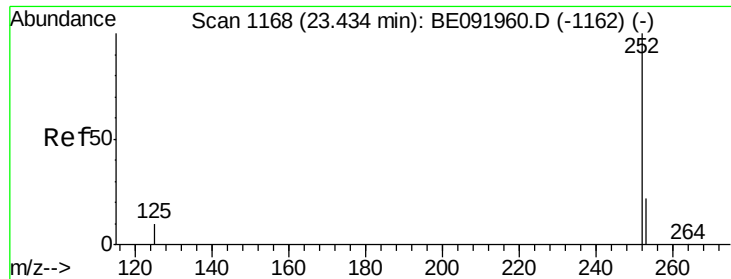
260 26.2 20.3 30.5

265 20.5 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: 0.03 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

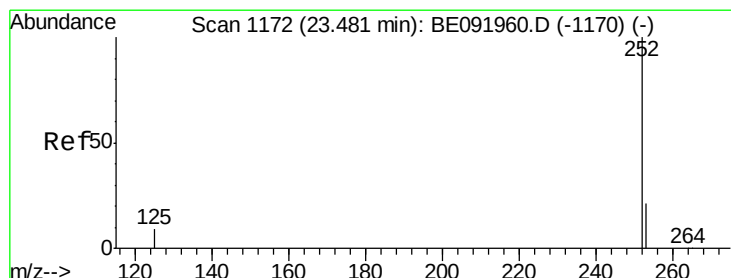
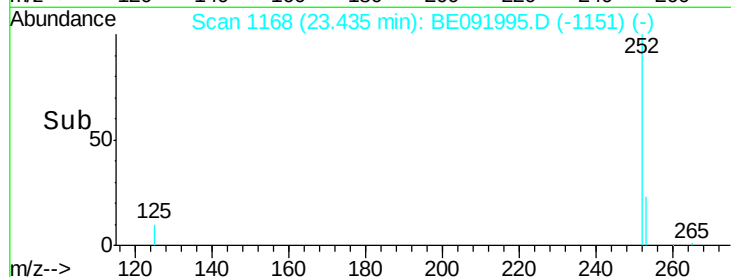
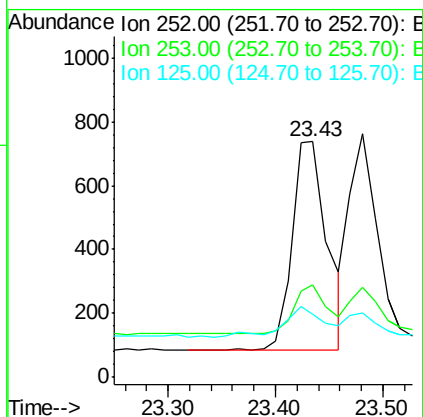
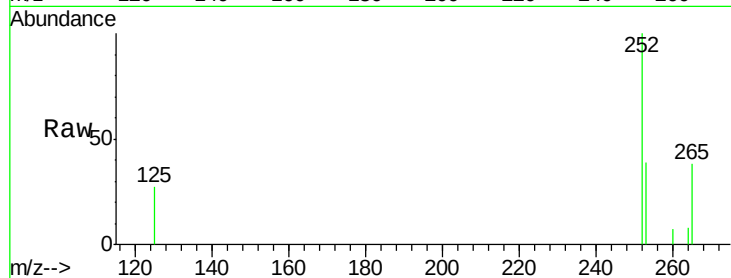
Tgt Ion: 252 Resp: 1492

Ion Ratio Lower Upper

252 100

253 39.2 17.8 26.6#

125 26.7 9.4 14.2#



#42

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

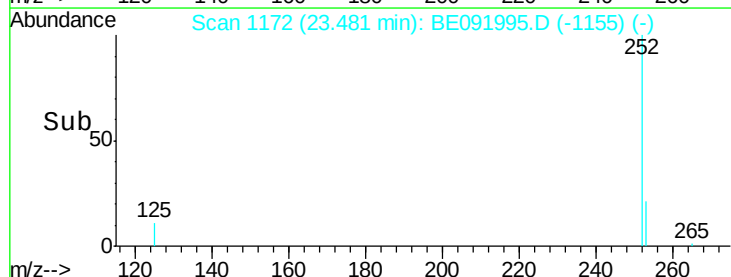
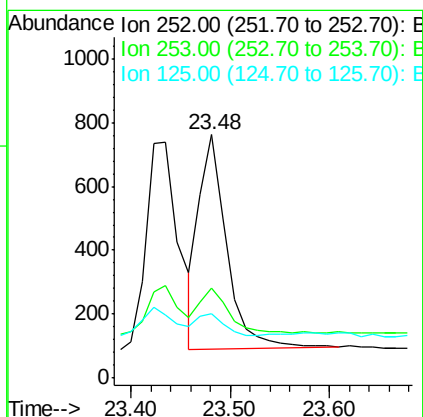
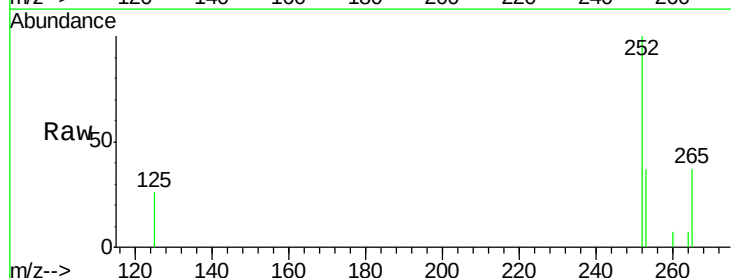
Tgt Ion: 252 Resp: 1295

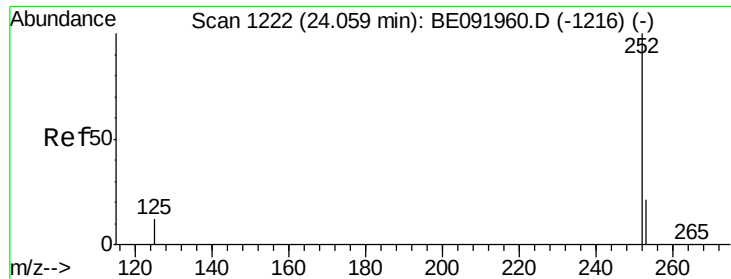
Ion Ratio Lower Upper

252 100

253 36.9 19.4 29.2#

125 26.4 8.3 12.5#





#43

Benzo(a)pyrene

Concen: 0.03 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705

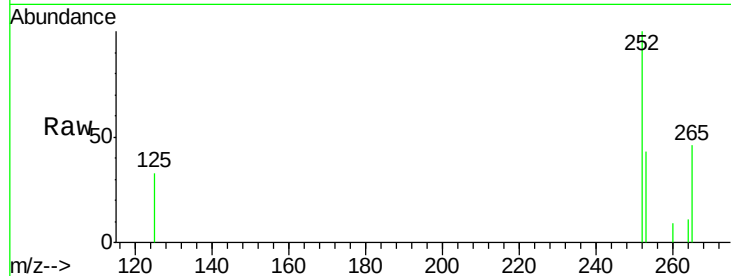
Tgt Ion: 252 Resp: 1208

Ion Ratio Lower Upper

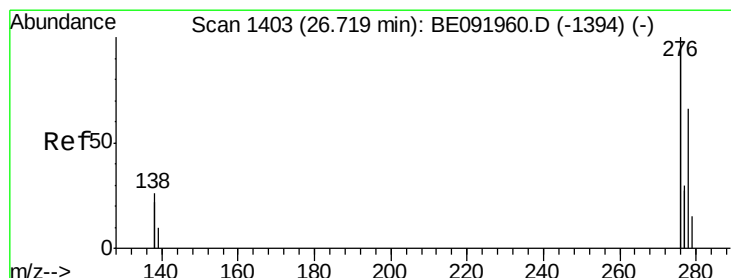
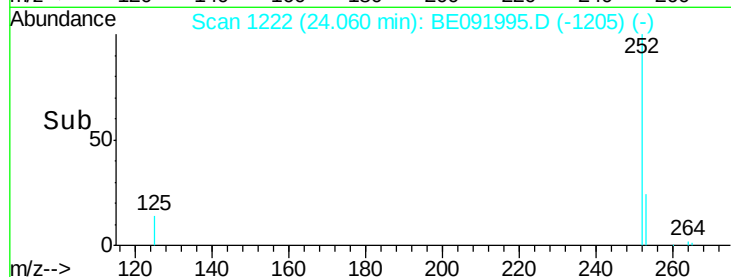
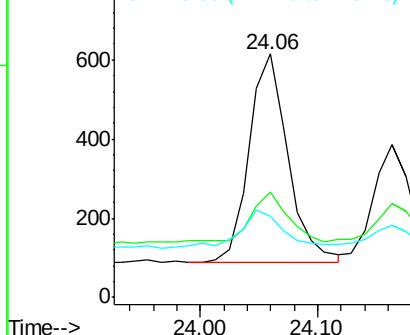
252 100

253 43.1 18.9 28.3#

125 33.5 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: 0.03 ng

RT: 26.72 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE091995.D

Acq: 9 Jul 2016 12:48

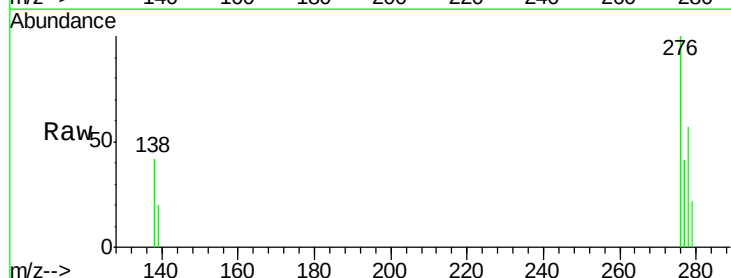
Tgt Ion: 278 Resp: 1090

Ion Ratio Lower Upper

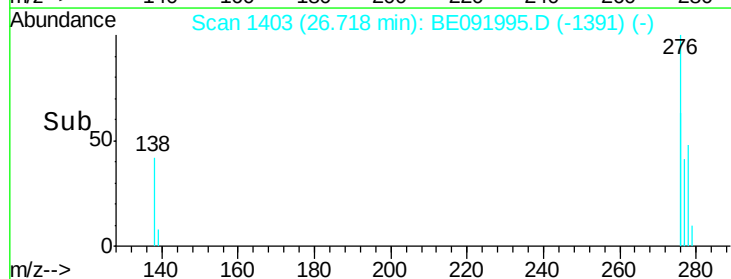
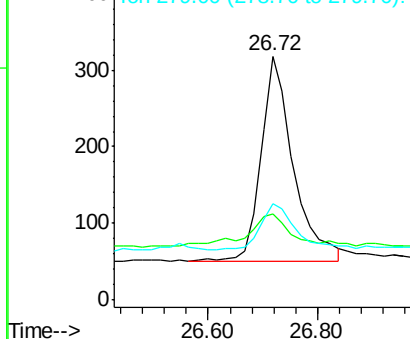
278 100

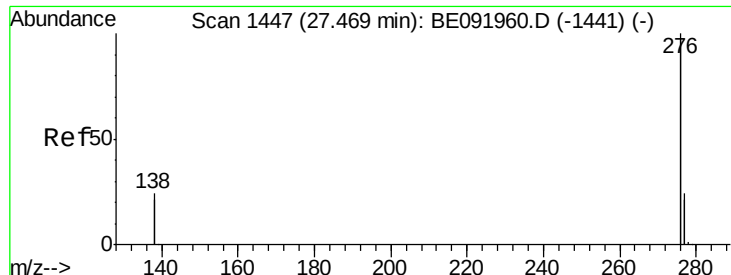
139 35.5 12.6 18.8#

279 39.3 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: 0.03 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BE091995.D

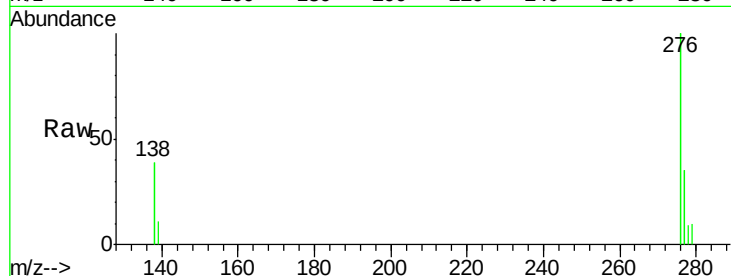
Acq: 9 Jul 2016 12:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160705



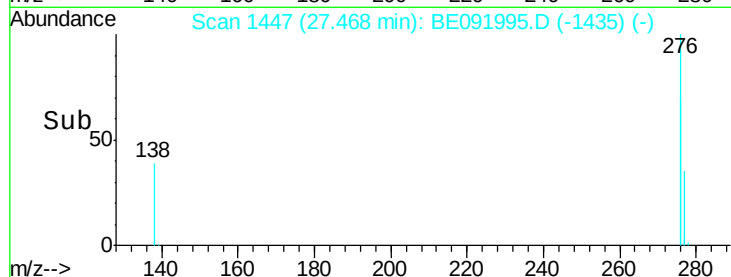
Tgt Ion: 276 Resp: 4840

Ion Ratio Lower Upper

276 100

277 35.2 19.5 29.3#

138 38.9 17.7 26.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

