

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
 Data File : BE091965.D
 Acq On : 5 Jul 2016 13:16
 Operator : UM/SJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 13:48:21 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 12:36:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	22644	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	114295	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	84213	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	164568	5.00	ng	0.00
31) Chrysene-d12	21.76	240	273051	5.00	ng	0.00
40) Perylene-d12	24.17	264	192836	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	59591	13.46	ng	0.00
5) Phenol-d6	7.35	99	88508	15.42	ng	-0.02
9) Nitrobenzene-d5	9.37	82	83476	10.58	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	30266	17.63	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	195349	9.14	ng	0.00
34) Terphenyl-d14	20.22	244	275636	8.25	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.46	88	26970	8.45	ng	92
3) n-Nitrosodimethylamine	3.80	42	39234	10.81	ng	96
6) bis(2-Chloroethyl)ether	7.61	93	70432	10.87	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	68902	13.38	ng	# 98
10) Nitrobenzene	9.40	77	94649	12.06	ng	# 99
11) bis(2-Chloroethoxy)methane	10.40	93	93543	9.35	ng	# 13
12) Naphthalene	11.04	128	249032	9.97	ng	96
13) Hexachlorobutadiene	11.34	225	36534	9.05	ng	98
14) 2-Methylnaphthalene	12.66	142	161653	9.55	ng	95
18) Acenaphthylene	14.56	152	1072107	12.54	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	244131	17.88	ng	# 10
20) Acenaphthene	14.92	154	219969	9.34	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	274244	21.48	ng	# 52
22) Fluorene	15.90	166	229532	9.80	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	110362	9.56	ng	99
25) 4-Bromophenyl-phenylether	16.78	248	69775	10.97	ng	100
26) Hexachlorobenzene	16.90	284	66362	10.16	ng	99
27) Pentachlorophenol	17.25	266	38218	21.38	ng	90
28) Phenanthrene	17.64	178	389353	9.47	ng	99
29) Anthracene	17.73	178	399326	10.97	ng	99
30) Fluoranthene	19.65	202	1718260	9.75	ng	# 86
32) Benzidine	19.83	184	221323	23.90	ng	# 88
33) Pyrene	19.99	202	1870760	10.07	ng	# 64
35) Benzo(a)anthracene	21.79	228	992829	23.14	ng	# 89
36) 3,3'-Dichlorobenzidine	21.67	252	134101	19.29	ng	# 62
37) Chrysene	21.79	228	999686	15.95	ng	100
38) Bis(2-ethylhexyl)phthalate	21.64	149	498433	15.73	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	2196301	10.25	ng	99
41) Benzo(b)fluoranthene	23.43	252	520814	10.52	ng	98
42) Benzo(k)fluoranthene	23.48	252	487652	10.76	ng	96
43) Benzo(a)pyrene	24.06	252	487287	11.26	ng	95
44) Dibenzo(a,h)anthracene	26.72	278	457870	10.88	ng	98
45) Benzo(a,h,i)perylene	27.47	276	1838583	10.58	ng	97

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Instrument :
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Quant Time: Jul 05 13:48:21 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 12:36:52 2016
Response via : Initial Calibration

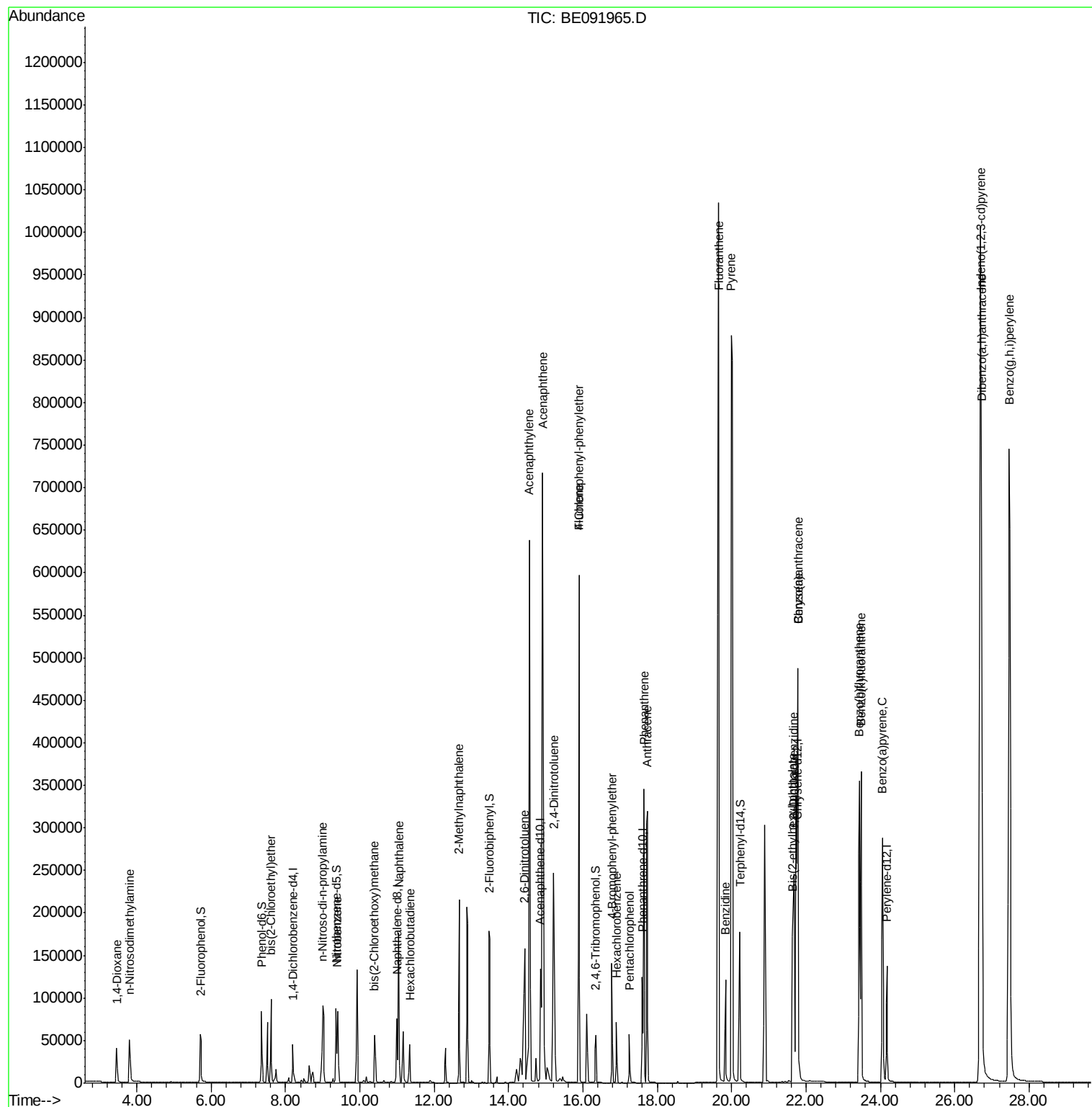
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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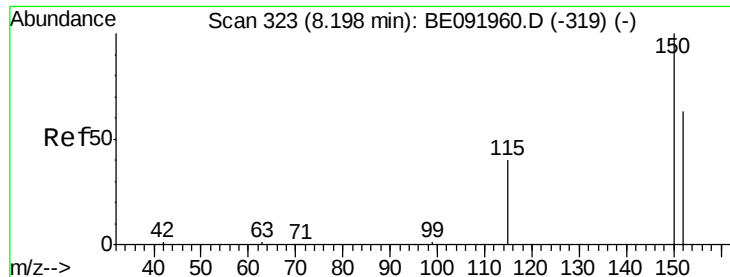
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

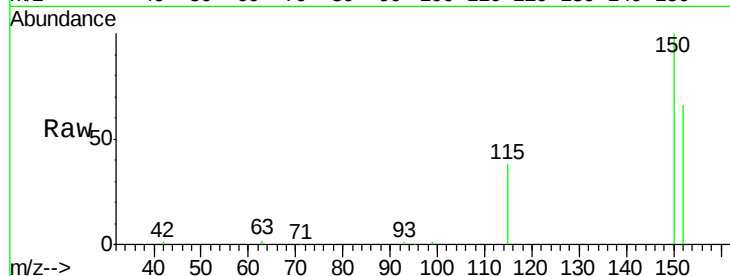
Tot Ion:152 Resp: 22644

Ion Ratio Lower Upper

152 100

150 151.8 123.9 185.9

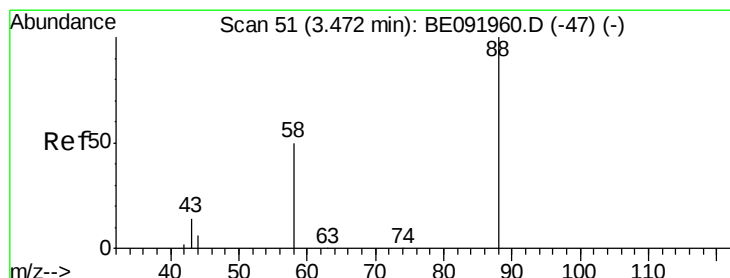
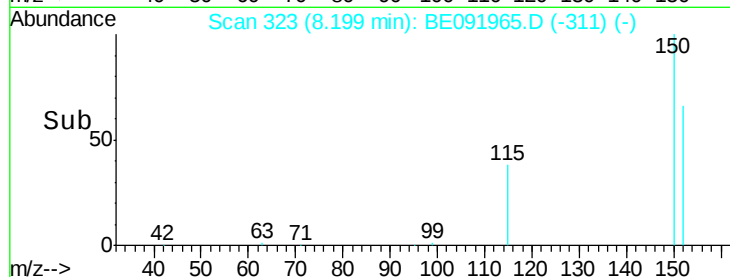
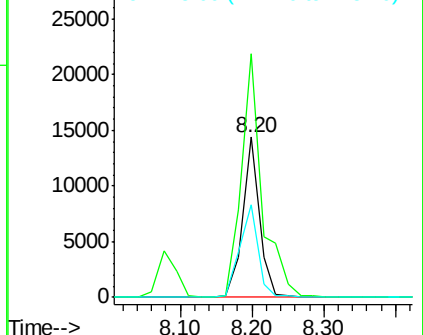
115 57.7 48.3 72.5



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: 8.45 ng

RT: 3.46 min Scan# 50

Delta R.T. -0.02 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

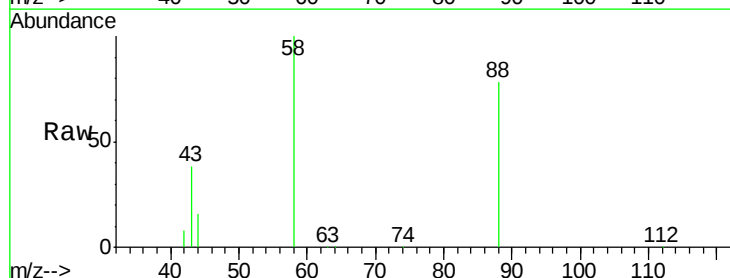
Tgt Ion: 88 Resp: 26970

Ion Ratio Lower Upper

88 100

58 88.6 63.0 94.4

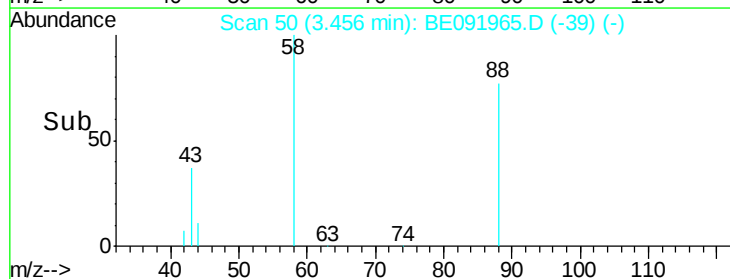
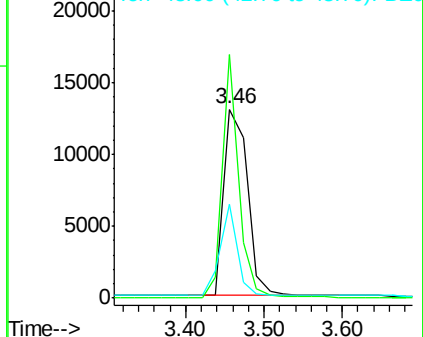
43 35.6 29.1 43.7

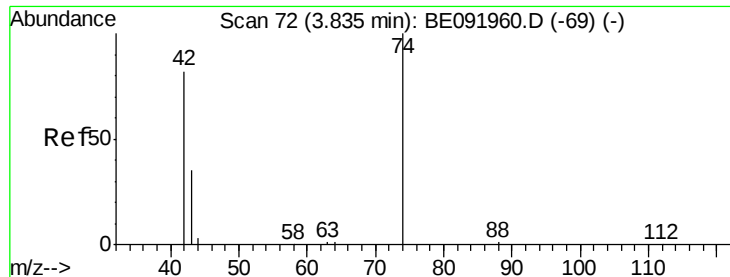


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



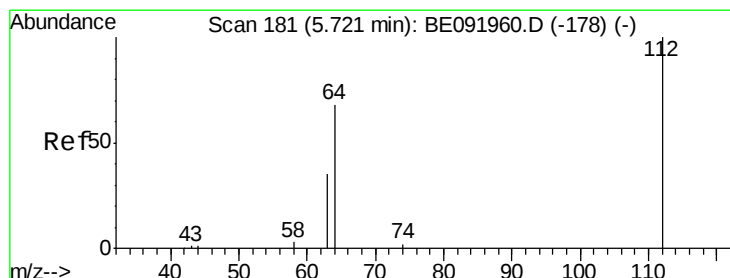
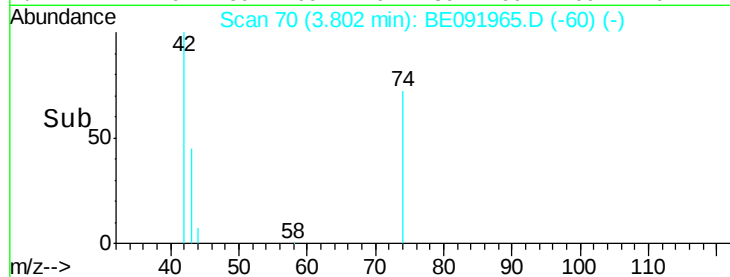
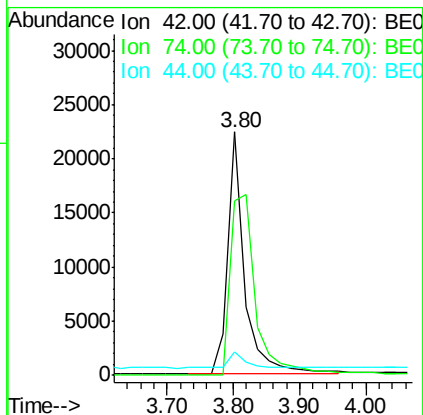
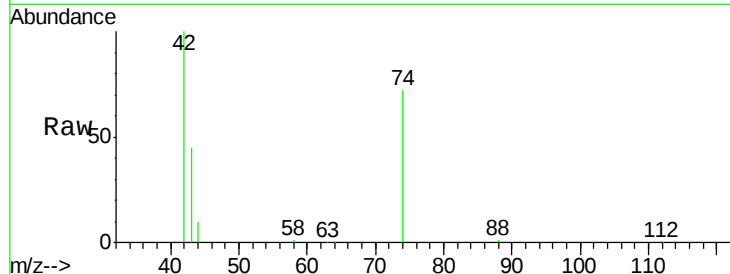


#3

n-Nitrosodimethylamine
 Concen: 10.81 ng
 RT: 3.80 min Scan# 70
 Delta R.T. -0.03 min
 Lab File: BE091965.D
 Acq: 5 Jul 2016 13:16

Instrument :
 BNA_E
 ClientSampleId :

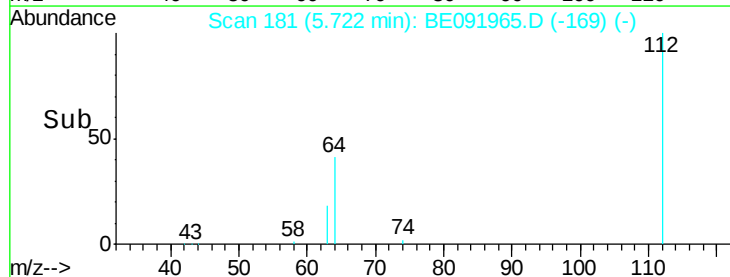
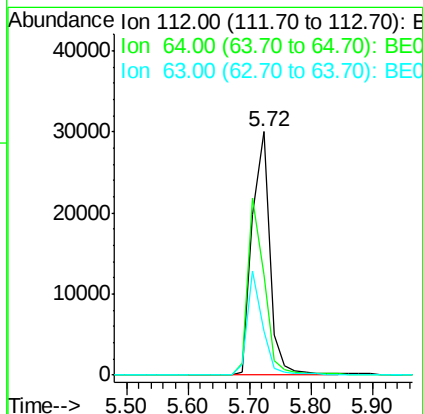
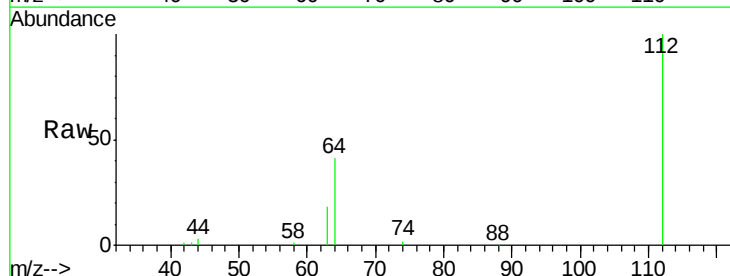
Tot Ion: 42 Resp: 39234
 Ion Ratio Lower Upper
 42 100
 74 111.9 93.4 140.0
 44 6.6 5.0 7.6

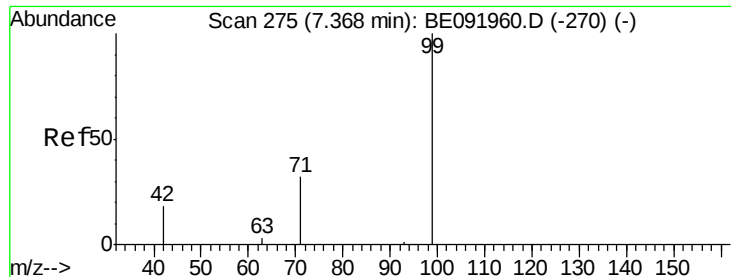


#4

2-Fluorophenol
 Concen: 13.46 ng
 RT: 5.72 min Scan# 181
 Delta R.T. 0.00 min
 Lab File: BE091965.D
 Acq: 5 Jul 2016 13:16

Tgt Ion: 112 Resp: 59591
 Ion Ratio Lower Upper
 112 100
 64 67.2 53.7 80.5
 63 36.4 29.5 44.3





#5

Phenol-d6

Concen: 15.42 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

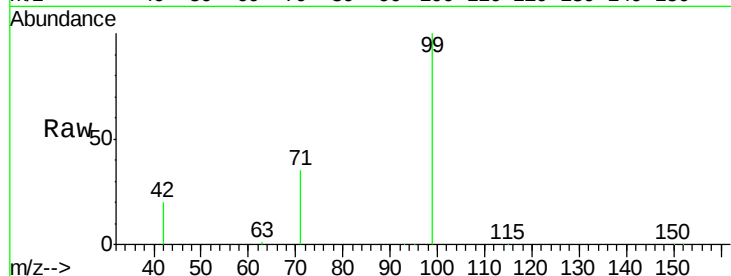
Tot Ion: 99 Resp: 88508

Ion Ratio Lower Upper

99 100

42 24.8 19.6 29.4

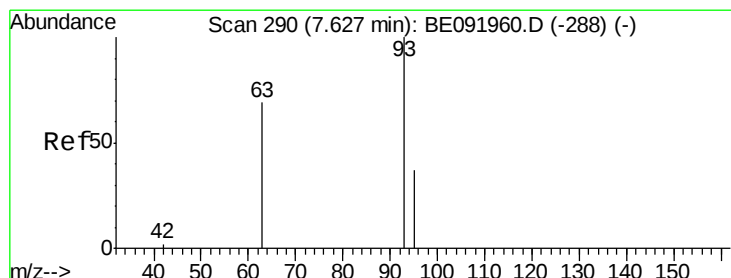
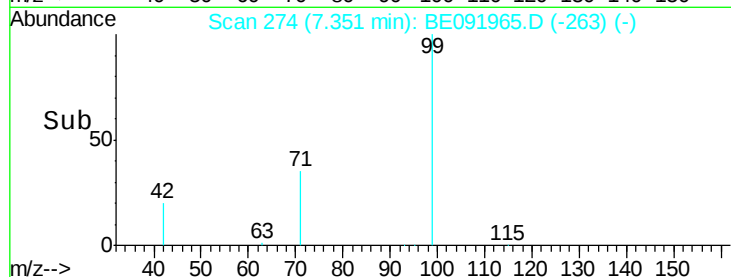
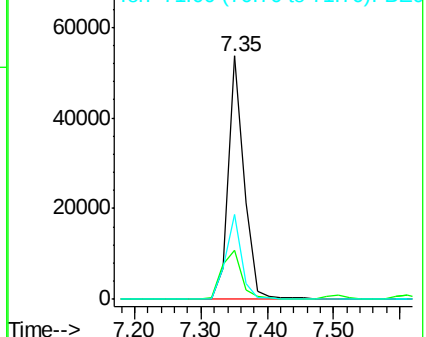
71 35.2 28.1 42.1



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: 10.87 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

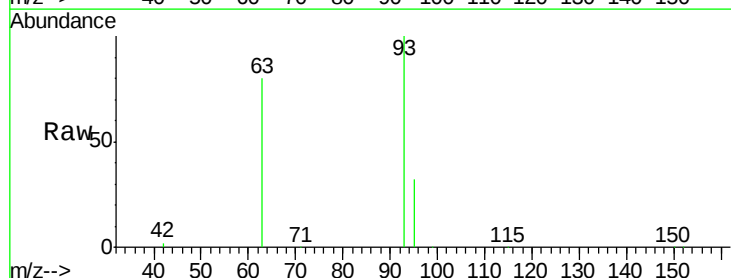
Tgt Ion: 93 Resp: 70432

Ion Ratio Lower Upper

93 100

63 85.3 66.2 99.4

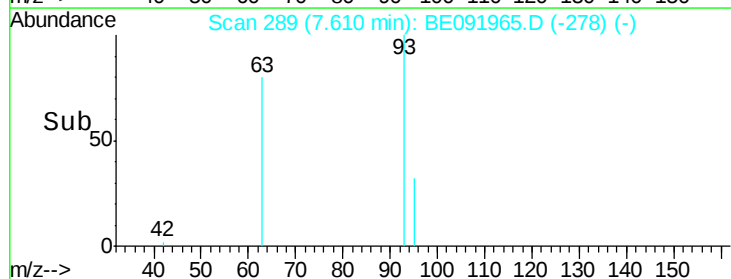
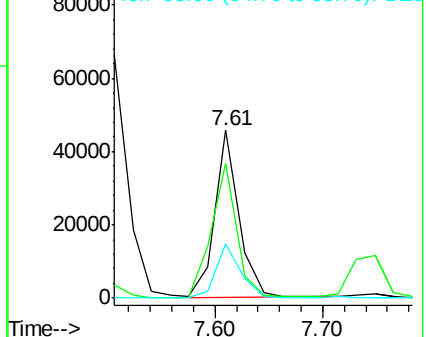
95 32.8 25.5 38.3

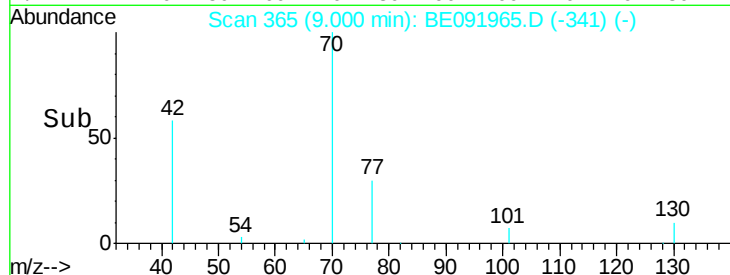
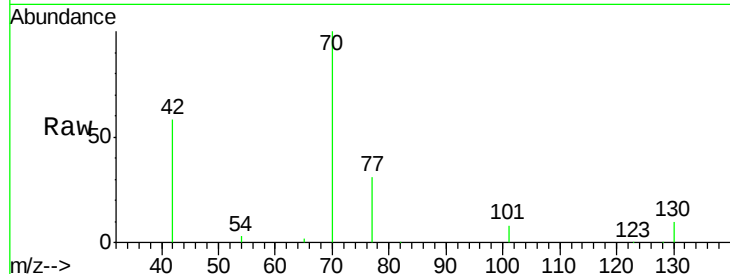
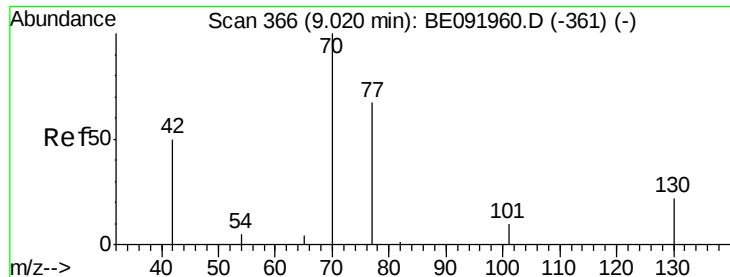


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

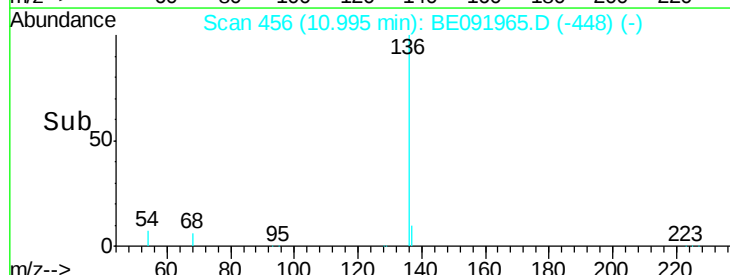
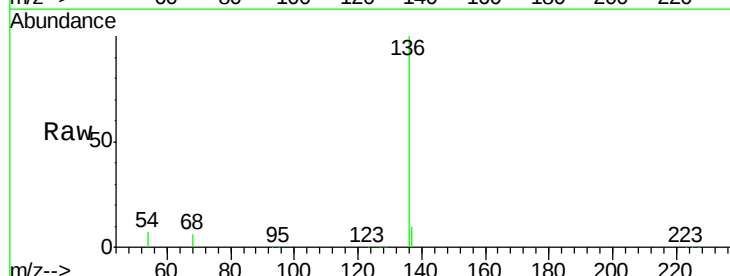
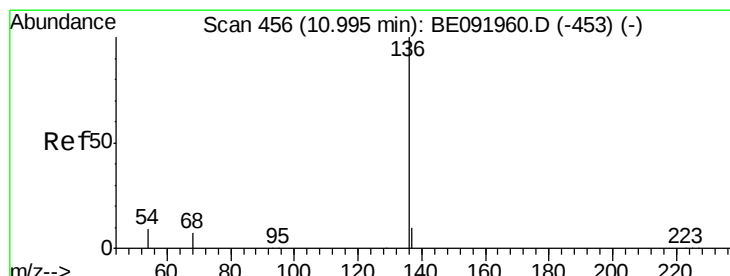
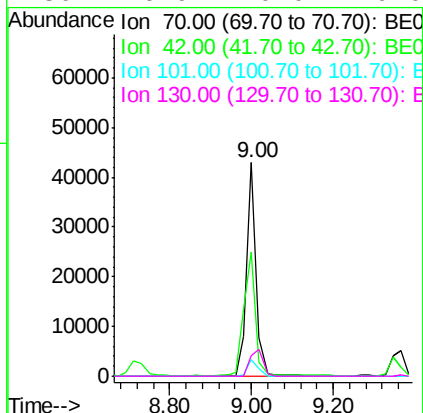




#7
n-Nitroso-di-n-propylamine
Concen: 13.38 ng
RT: 9.00 min Scan# 365
Delta R.T. -0.02 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

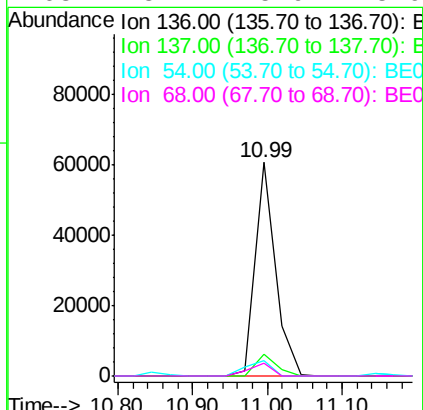
Instrument :
BNA_E
ClientSampleId :

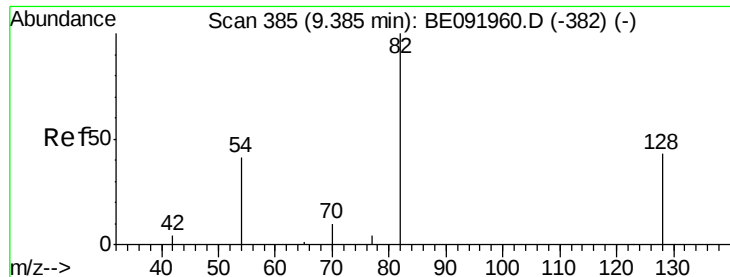
Tot Ion: 70 Resp: 68902
Ion Ratio Lower Upper
70 100
42 71.2 58.4 87.6
101 8.5 6.4 9.6
130 16.9 0.0 0.0#



#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 456
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion: 136 Resp: 114295
Ion Ratio Lower Upper
136 100
137 10.2 8.3 12.5
54 7.4 8.2 12.4#
68 5.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 10.58 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

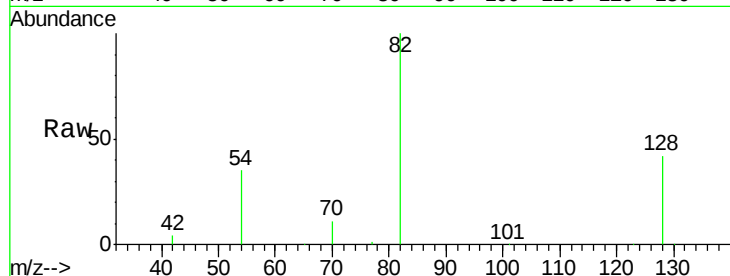
Tot Ion: 82 Resp: 83476

Ion Ratio Lower Upper

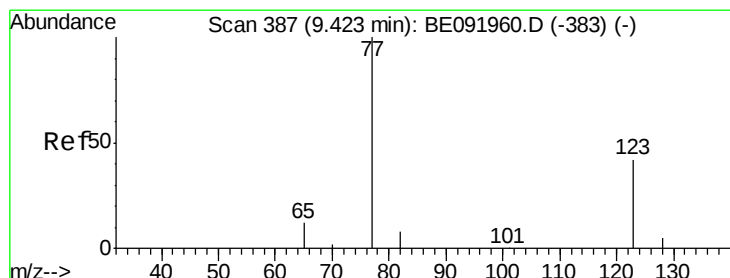
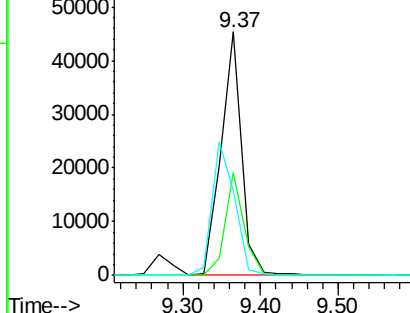
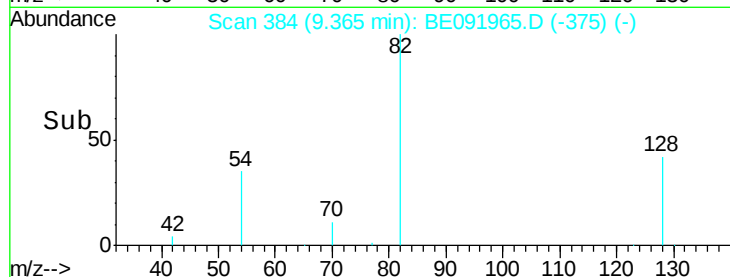
82 100

128 42.2 39.5 59.3

54 35.1 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 12.06 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

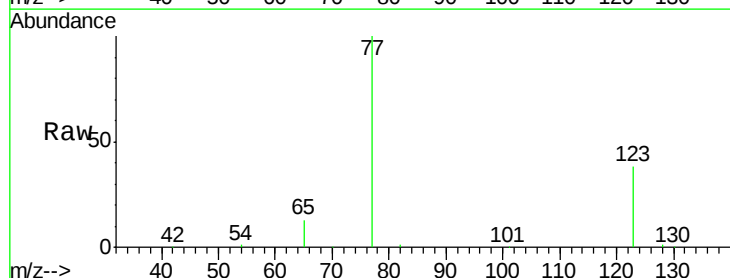
Tgt Ion: 77 Resp: 94649

Ion Ratio Lower Upper

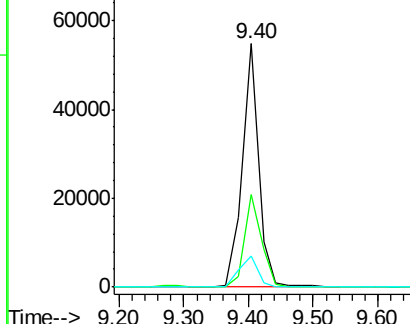
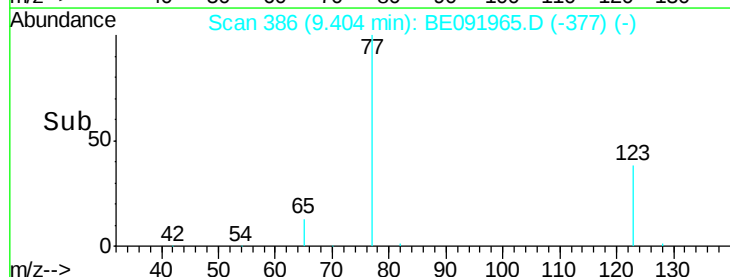
77 100

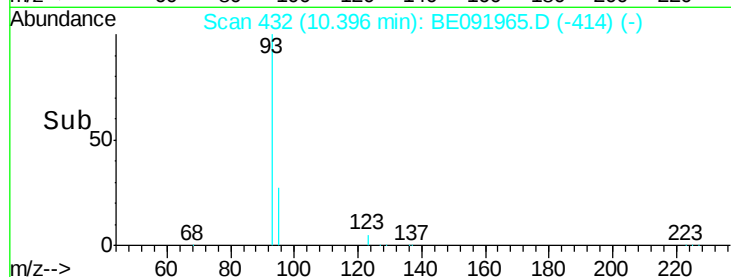
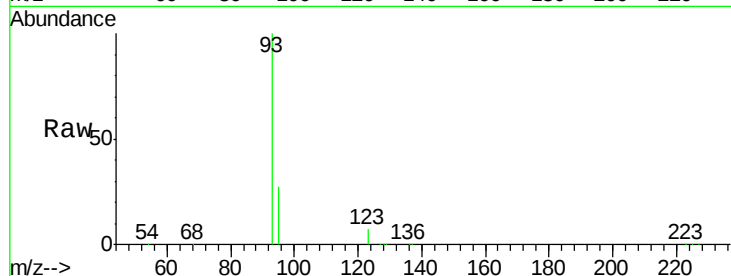
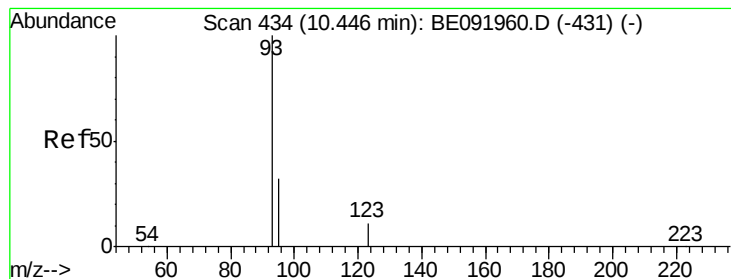
123 39.6 0.0 0.0#

65 14.2 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

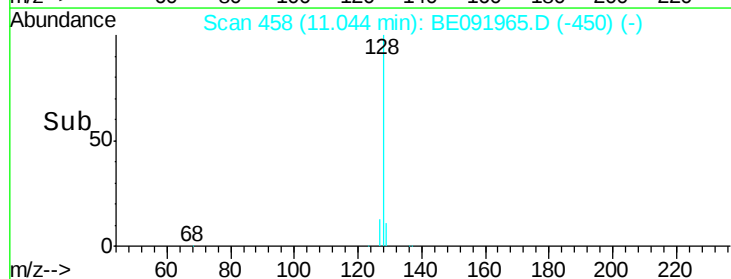
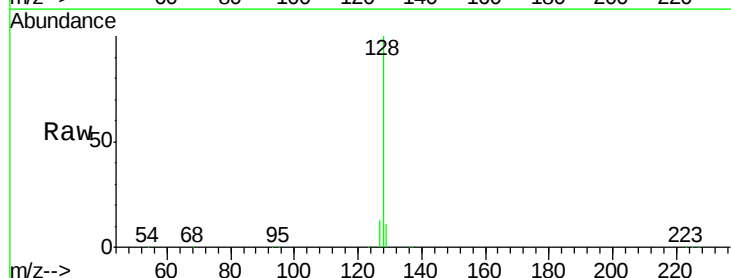
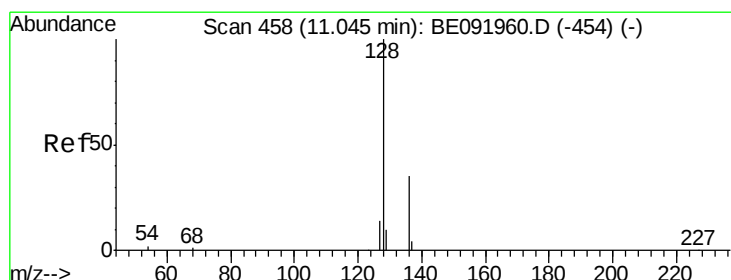
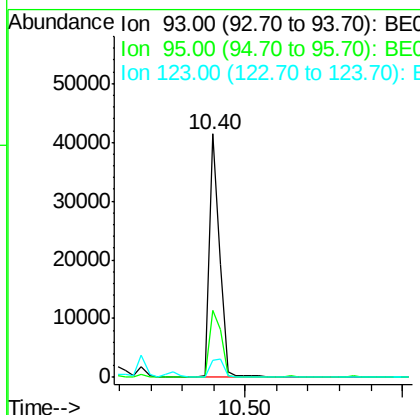




#11
bis(2-Chloroethoxy)methane
Concen: 9.35 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.05 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

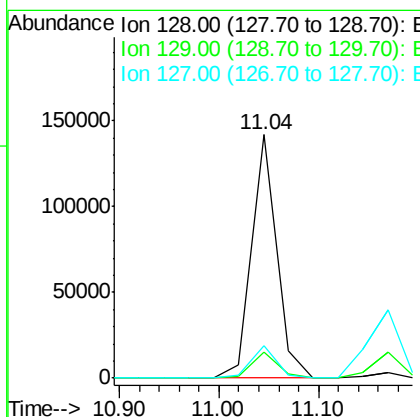
Instrument :
BNA_E
ClientSampled :

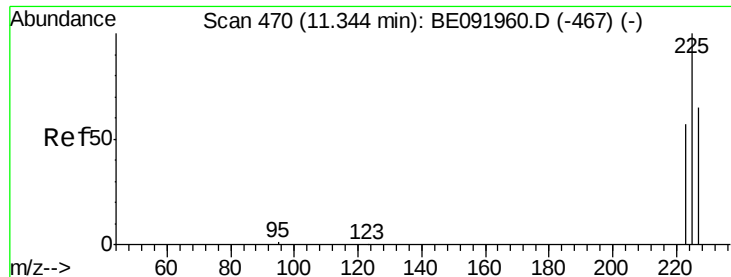
Tot Ion: 93 Resp: 93543
Ion Ratio Lower Upper
93 100
95 31.9 57.6 86.4#
123 0.0 100.2 150.4#



#12
Naphthalene
Concen: 9.97 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion: 128 Resp: 249032
Ion Ratio Lower Upper
128 100
129 10.8 10.4 15.6
127 13.3 10.2 15.2

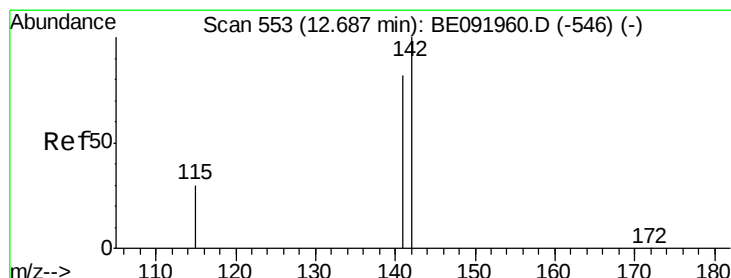
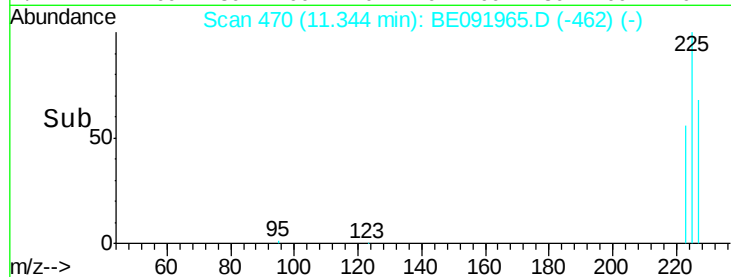
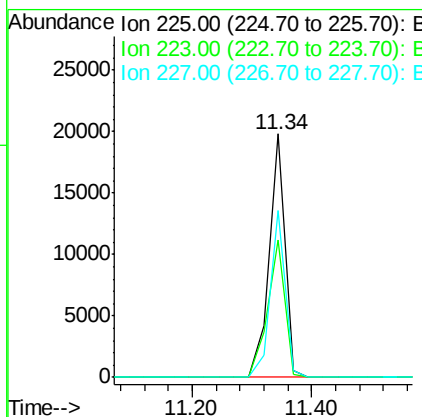
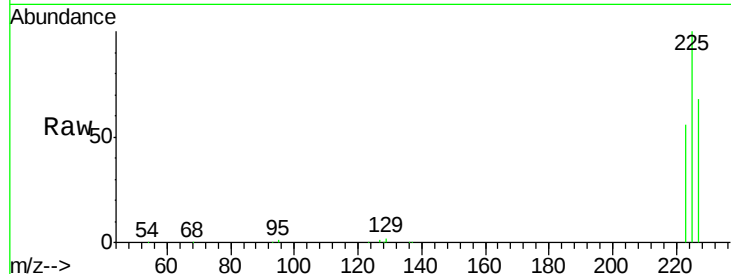




#13
Hexachlorobutadiene
Concen: 9.05 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

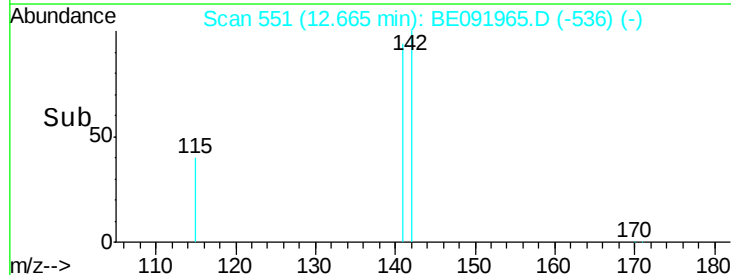
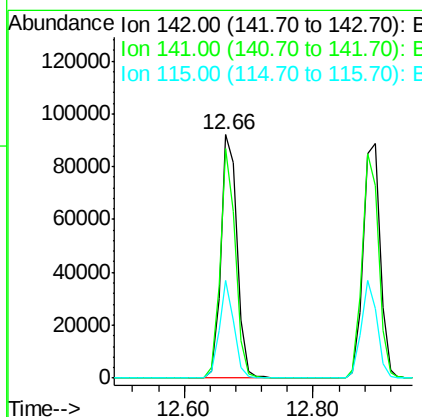
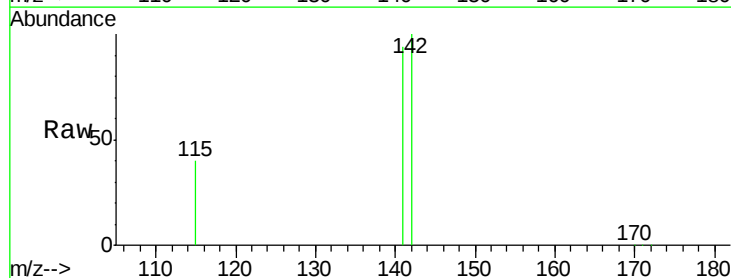
Instrument :
BNA_E
ClientSampled :

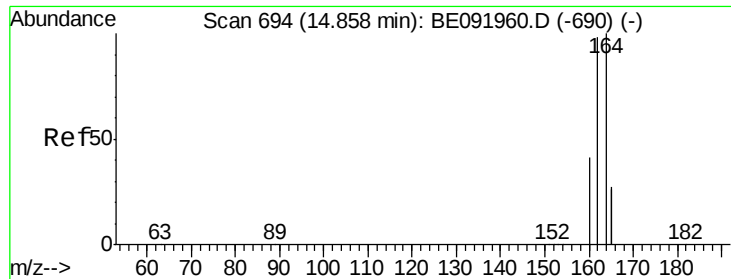
Tot Ion:225 Resp: 36534
Ion Ratio Lower Upper
225 100
223 61.1 49.8 74.8
227 64.8 50.6 75.8



#14
2-Methylnaphthalene
Concen: 9.55 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion:142 Resp: 161653
Ion Ratio Lower Upper
142 100
141 94.3 71.9 107.9
115 40.0 29.9 44.9

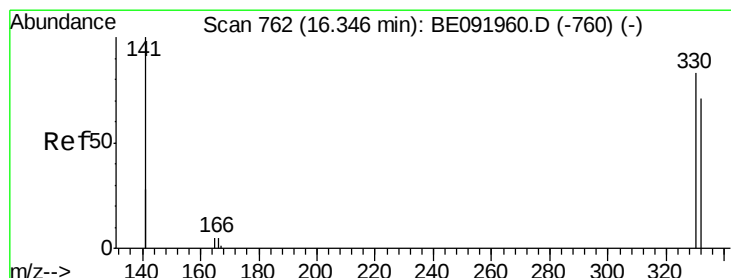
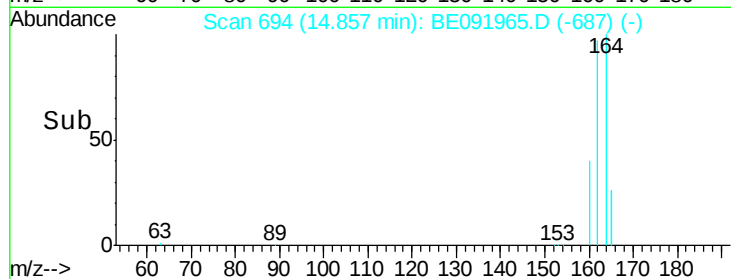
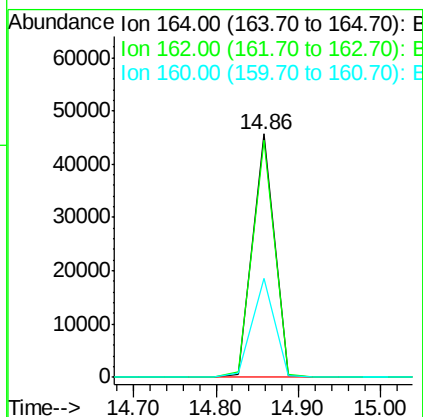
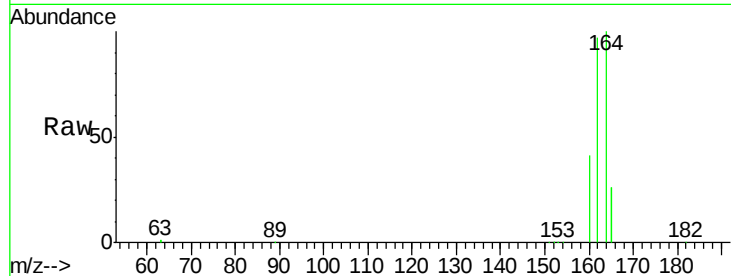




#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

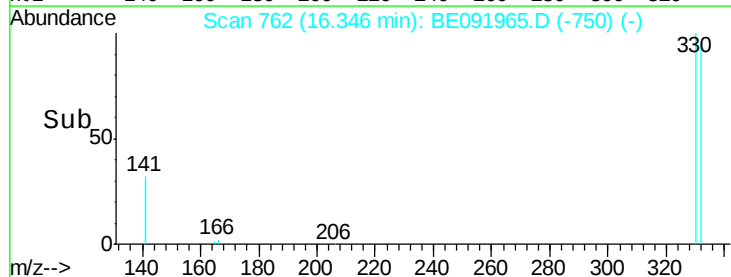
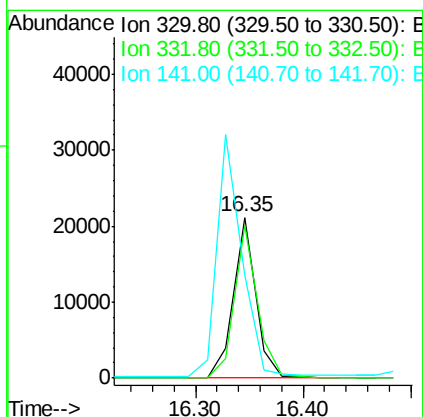
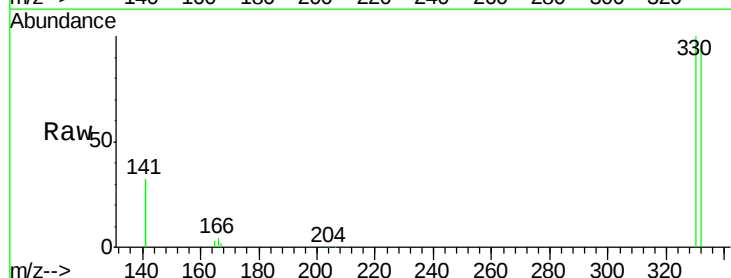
Instrument :
BNA_E
ClientSampleId :

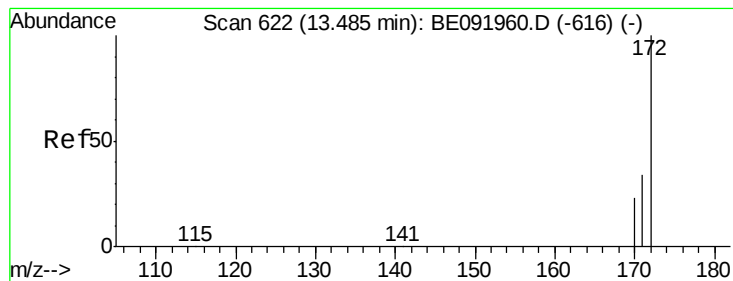
Tot Ion:164 Resp: 84213
Ion Ratio Lower Upper
164 100
162 97.2 71.8 107.8
160 40.5 28.0 42.0



#16
2,4,6-Tribromophenol
Concen: 17.63 ng
RT: 16.35 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion:330 Resp: 30266
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 165.7 138.4 207.6

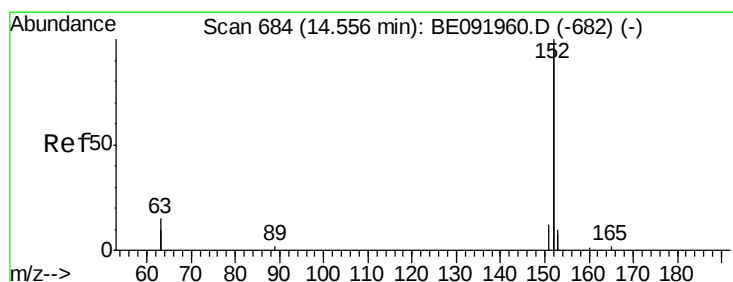
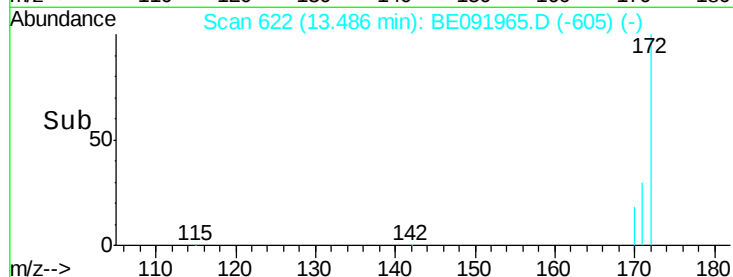
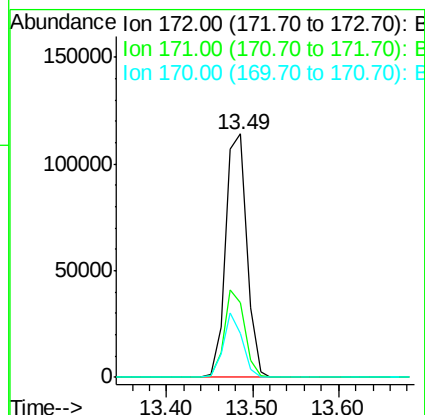
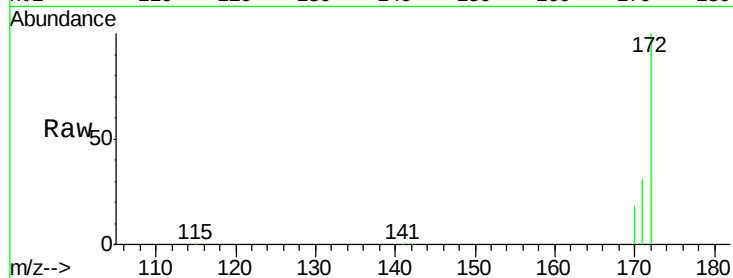




#17
2-Fluorobiphenyl
Concen: 9.14 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

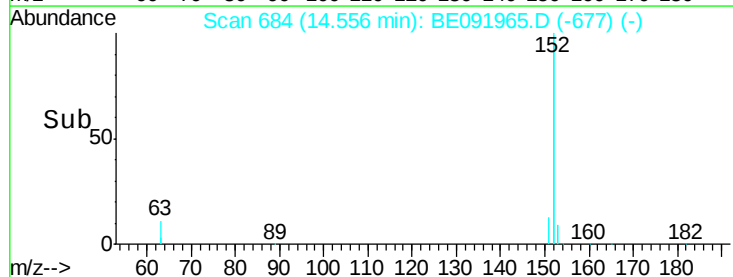
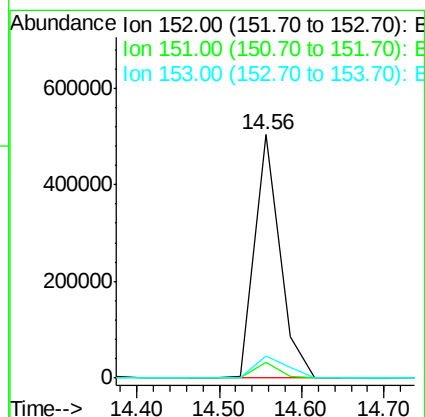
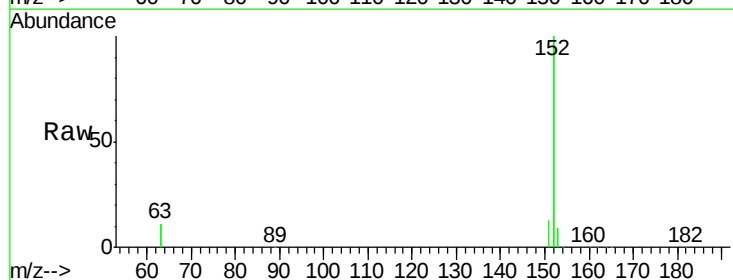
Instrument :
BNA_E
ClientSampleId :

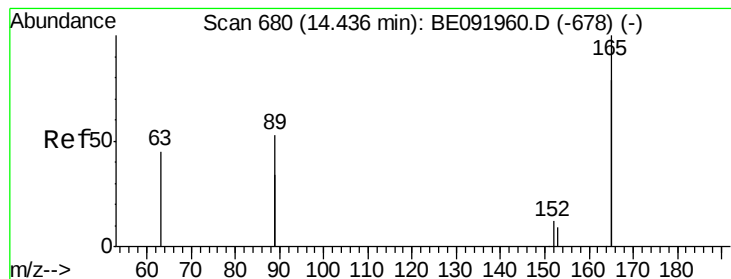
Tot Ion:172 Resp: 195349
Ion Ratio Lower Upper
172 100
171 30.7 24.3 36.5
170 18.3 14.9 22.3



#18
Acenaphthylene
Concen: 12.54 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion:152 Resp: 1072107
Ion Ratio Lower Upper
152 100
151 5.8 19.4 29.2#
153 11.3 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 17.88 ng

RT: 14.44 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

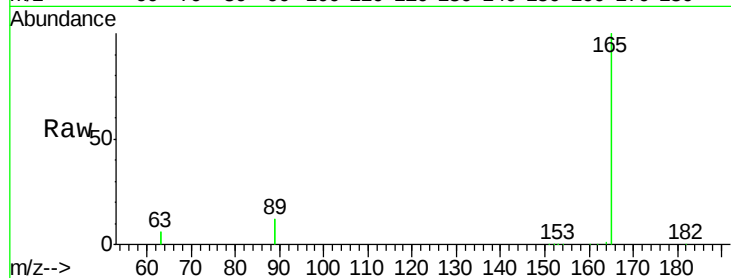
Tot Ion:165 Resp: 244131

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

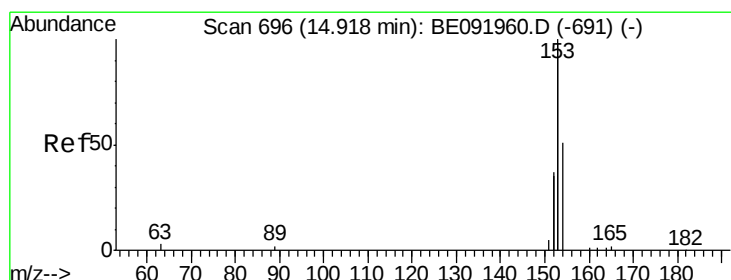
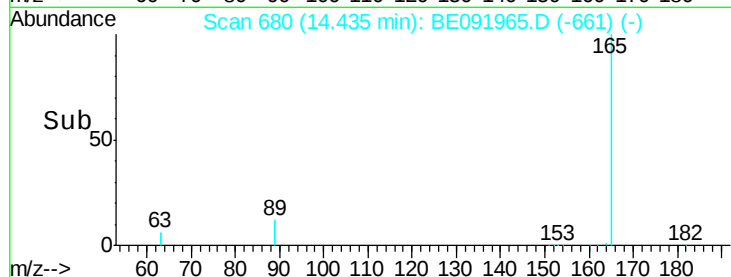
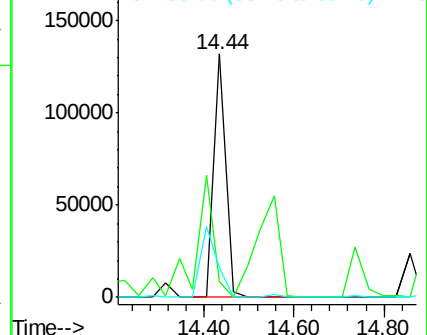
89 0.0 59.1 88.7#



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: 9.34 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

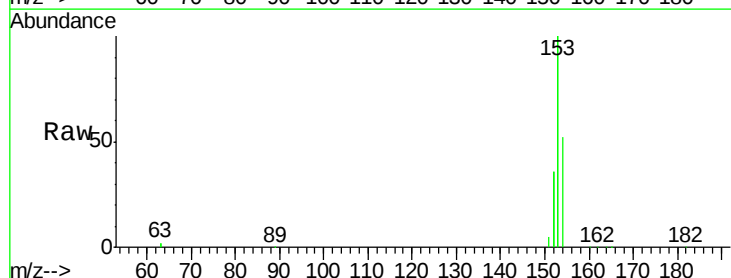
Tgt Ion:154 Resp: 219969

Ion Ratio Lower Upper

154 100

153 376.4 88.1 132.1#

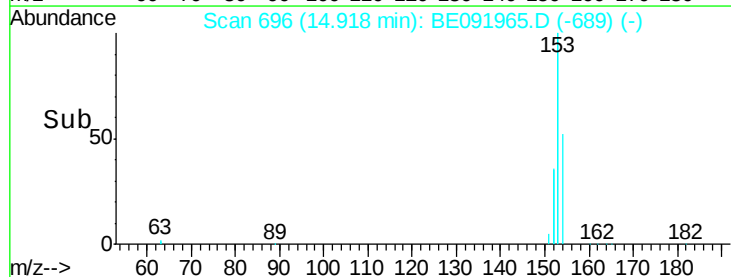
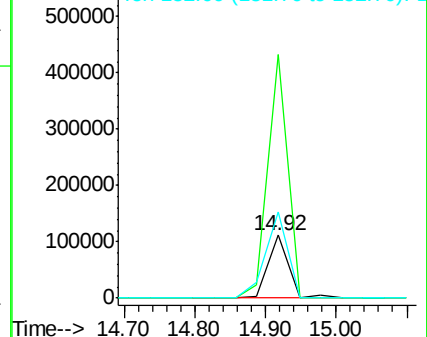
152 150.1 44.2 66.2#

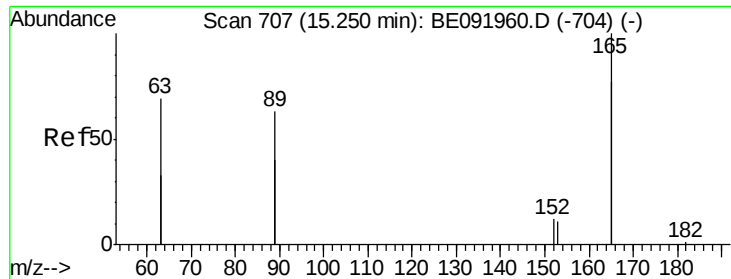


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 21.48 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 274244

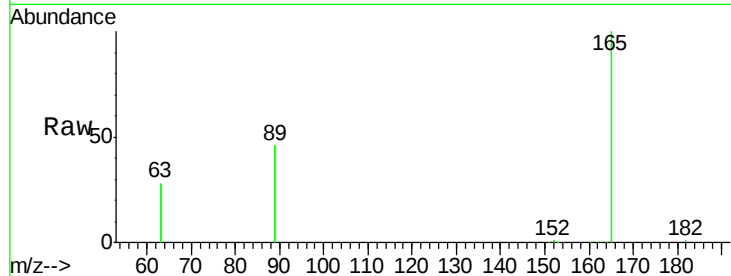
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 70.5 99.8 149.8#

182 0.4 0.0 0.0#

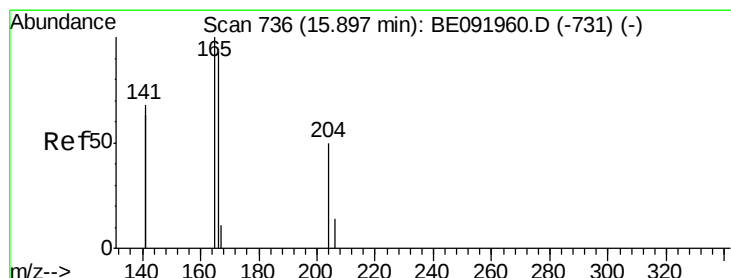
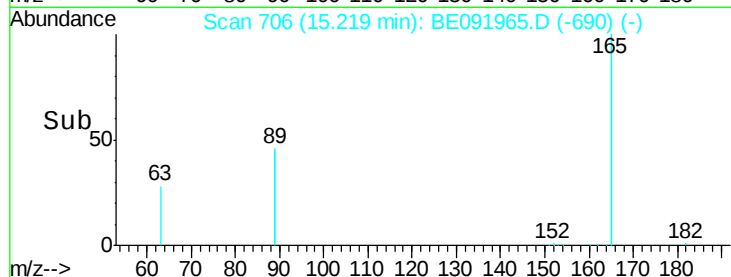
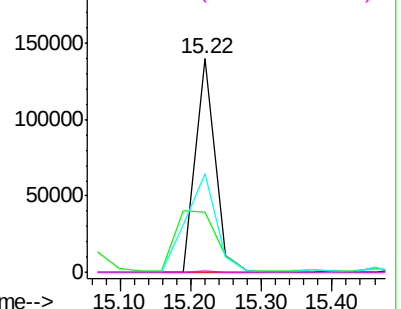


Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.80 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

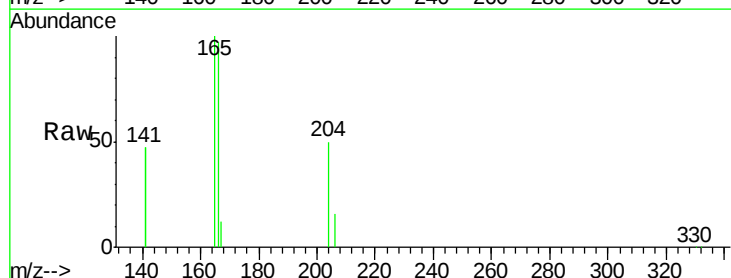
Tgt Ion:166 Resp: 229532

Ion Ratio Lower Upper

166 100

165 98.9 78.6 117.8

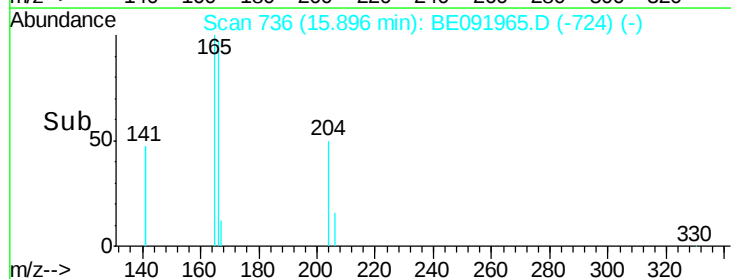
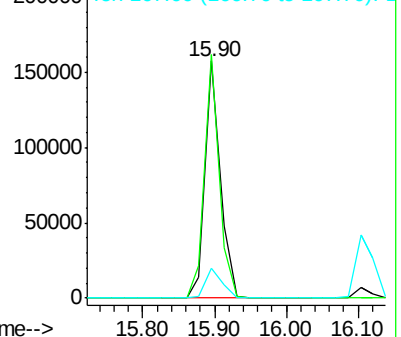
167 13.5 10.8 16.2

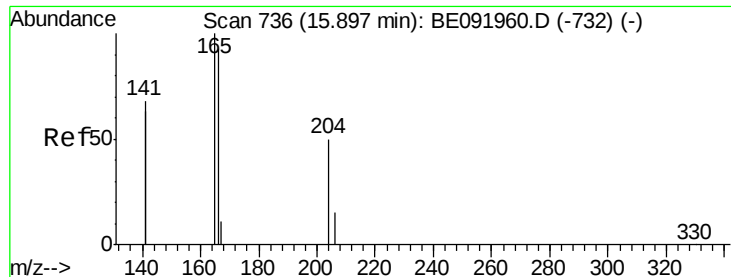


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

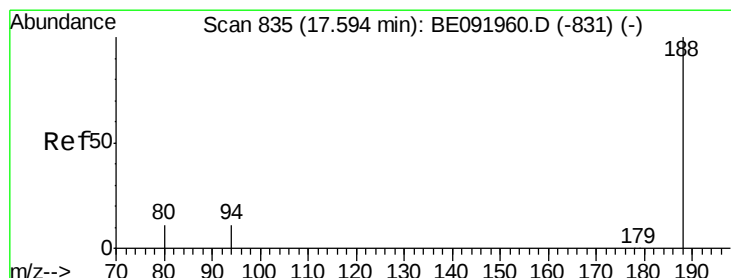
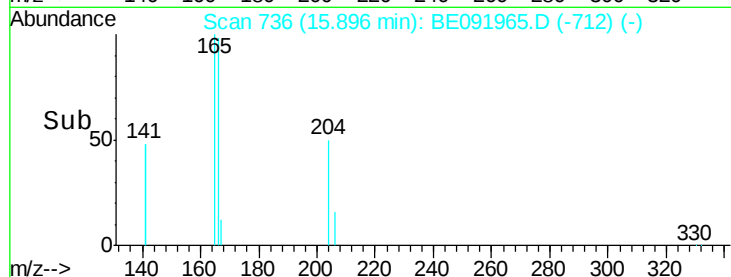
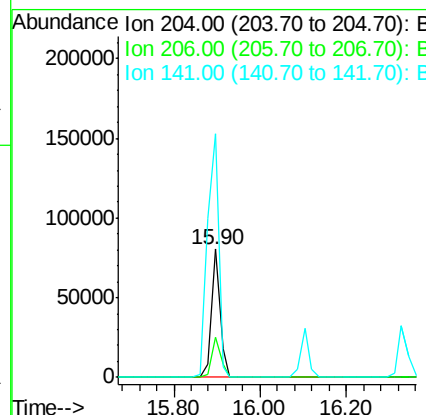
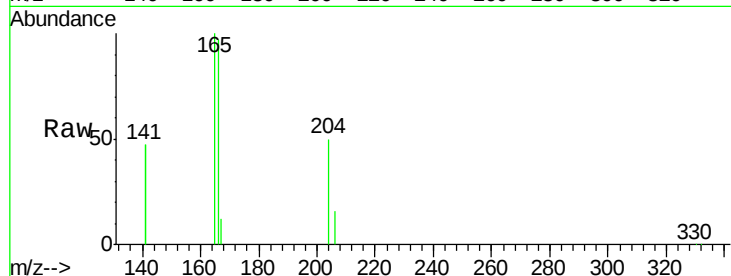




#23
4-Chlorophenyl-phenylether
Concen: 9.56 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

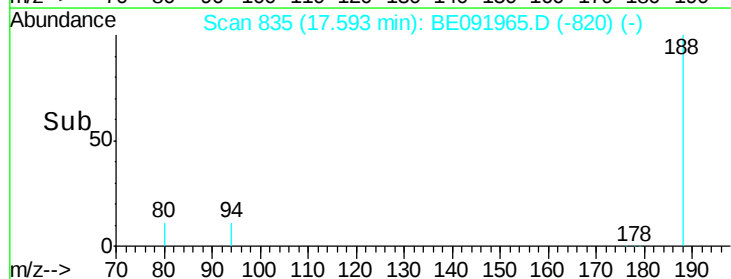
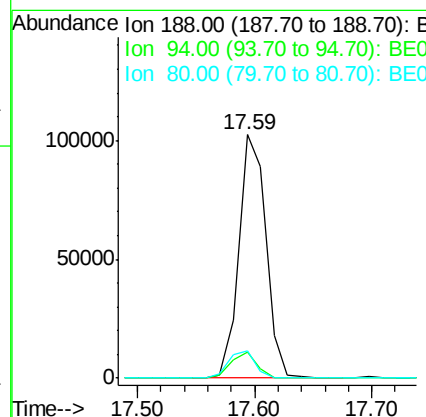
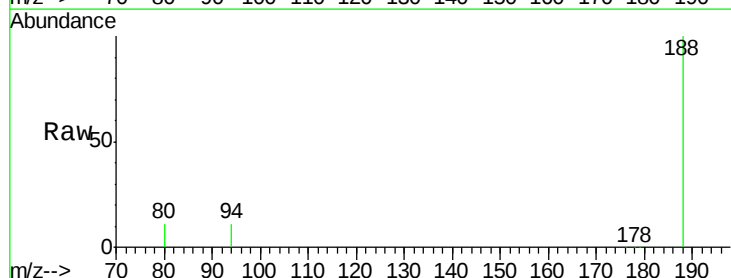
Instrument :
BNA_E
ClientSampleId :

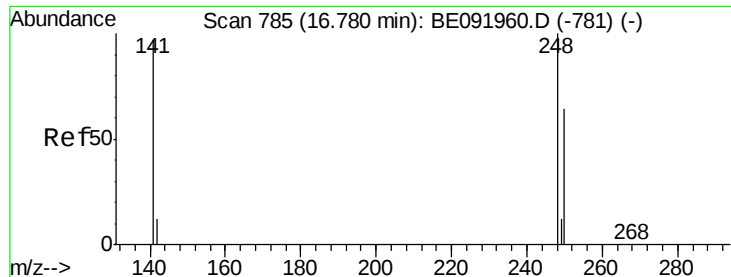
Tot Ion:204 Resp: 110362
Ion Ratio Lower Upper
204 100
206 33.7 27.8 41.6
141 245.6 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion:188 Resp: 164568
Ion Ratio Lower Upper
188 100
94 10.8 4.1 6.1#
80 11.0 3.4 5.2#

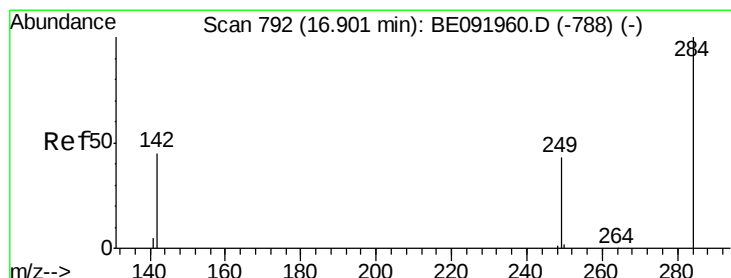
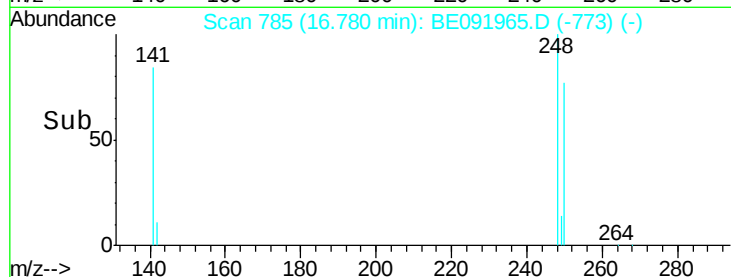
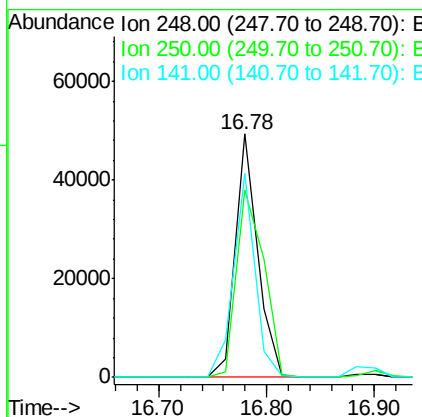
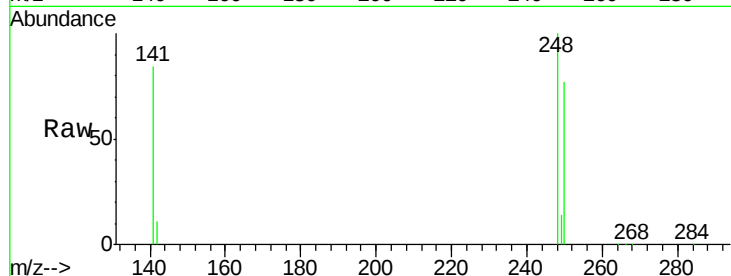




#25
4-Bromophenyl-phenylether
Concen: 10.97 ng
RT: 16.78 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

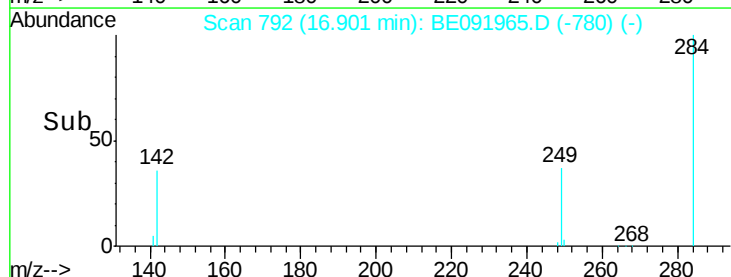
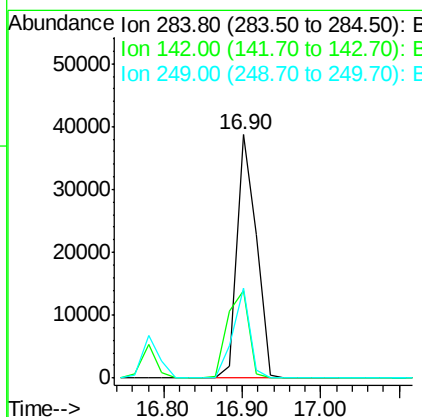
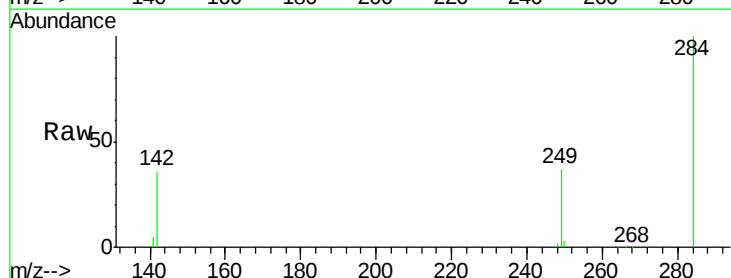
Instrument :
BNA_E
ClientSampleId :

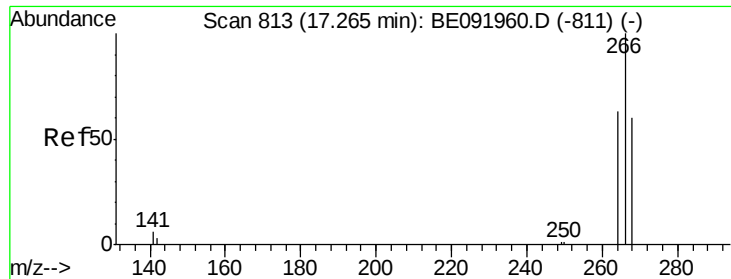
Tot Ion:248 Resp: 69775
Ion Ratio Lower Upper
248 100
250 94.8 75.7 113.5
141 80.7 64.6 97.0



#26
Hexachlorobenzene
Concen: 10.16 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion:284 Resp: 66362
Ion Ratio Lower Upper
284 100
142 39.3 31.4 47.2
249 32.5 25.3 37.9





#27

Pentachlorophenol

Concen: 21.38 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

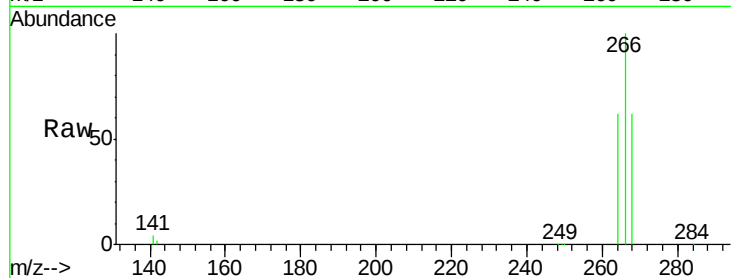
Tot Ion:266 Resp: 38218

Ion Ratio Lower Upper

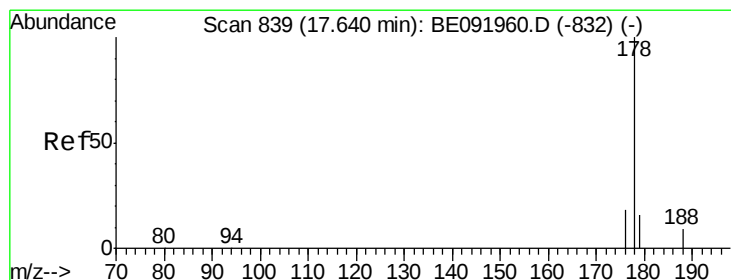
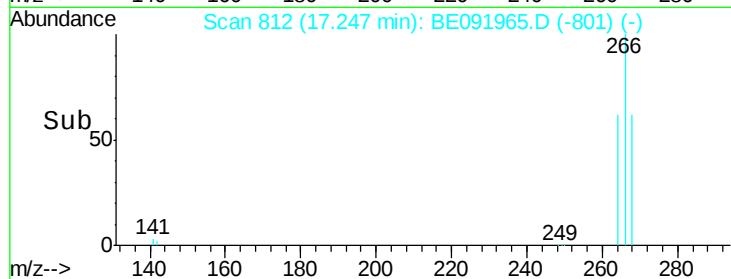
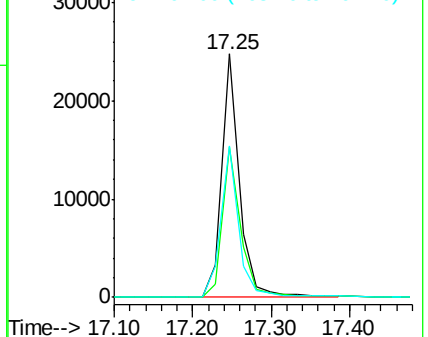
266 100

268 61.7 60.5 90.7

264 62.3 51.0 76.4



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



#28

Phenanthrene

Concen: 9.47 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

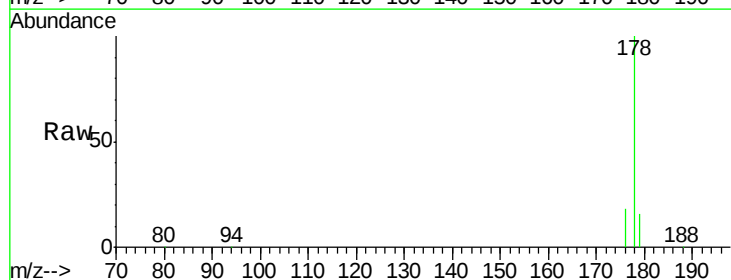
Tgt Ion:178 Resp: 389353

Ion Ratio Lower Upper

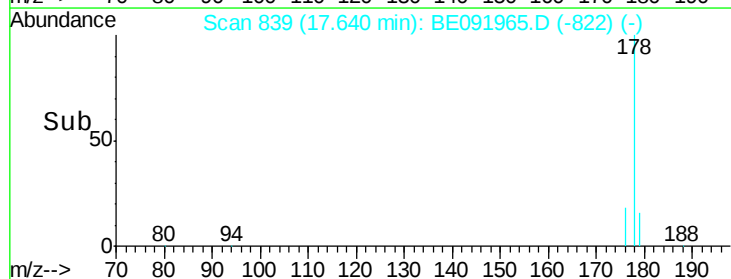
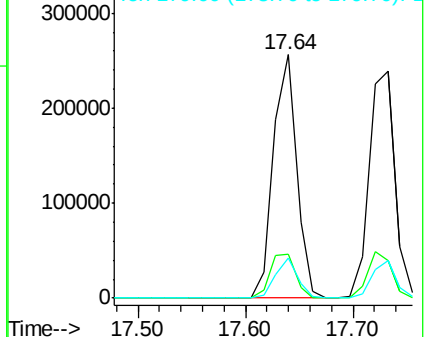
178 100

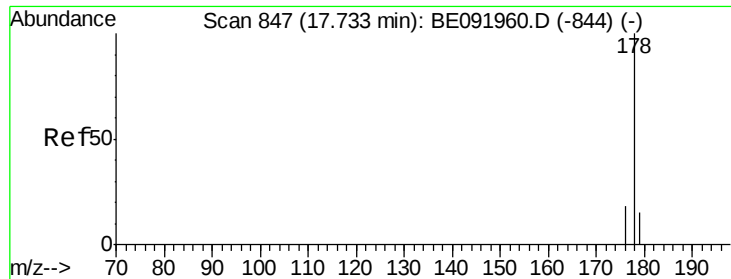
176 19.8 15.4 23.2

179 15.5 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

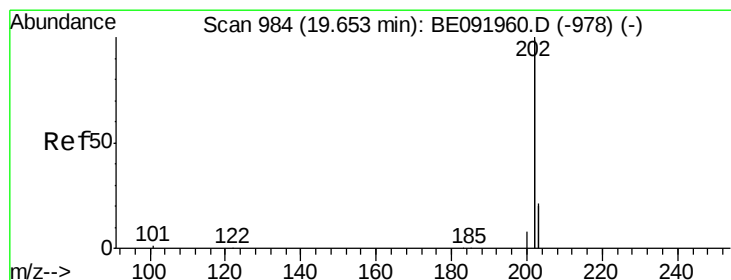
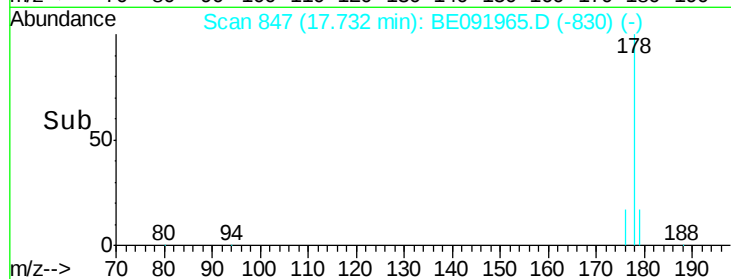
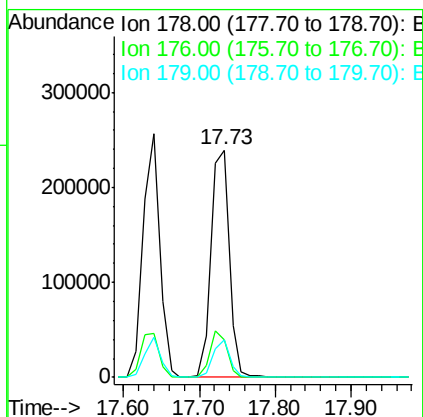
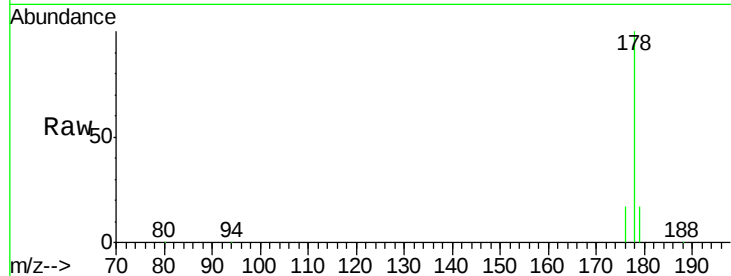




#29
 Anthracene
 Concen: 10.97 ng
 RT: 17.73 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BE091965.D
 Acq: 5 Jul 2016 13:16

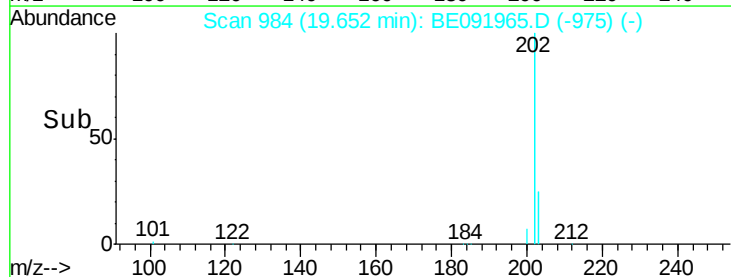
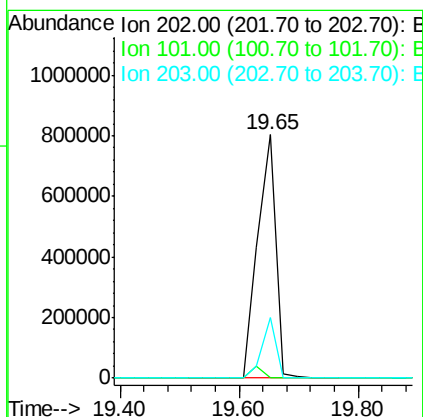
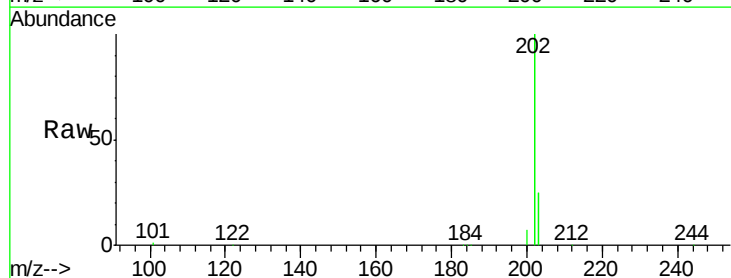
Instrument :
 BNA_E
 ClientSampleId :

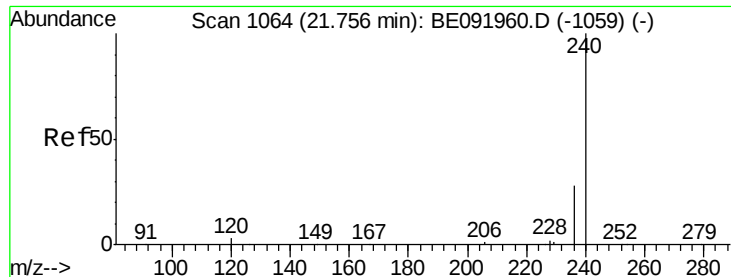
Tot Ion:178 Resp: 399326
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.1 22.7
 179 15.3 12.1 18.1



#30
 Fluoranthene
 Concen: 9.75 ng
 RT: 19.65 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: BE091965.D
 Acq: 5 Jul 2016 13:16

Tgt Ion:202 Resp: 1718260
 Ion Ratio Lower Upper
 202 100
 101 0.0 9.4 14.0#
 203 19.3 14.3 21.5

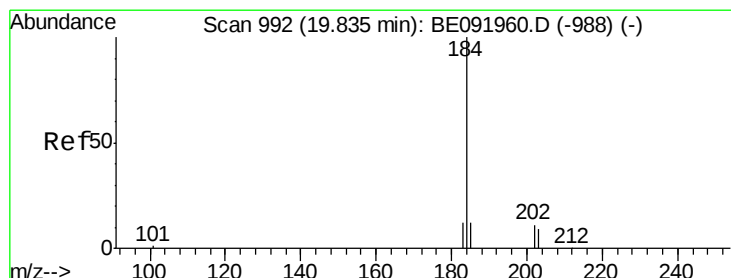
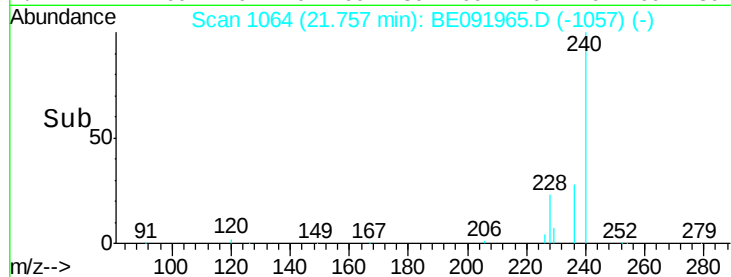
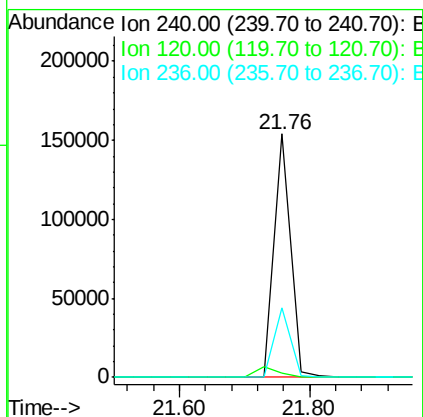
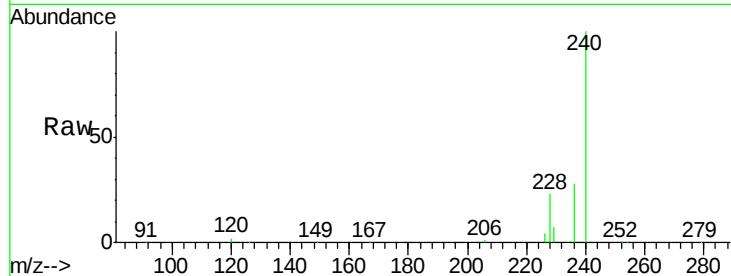




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

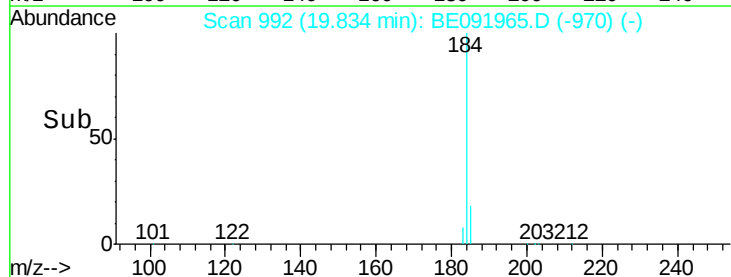
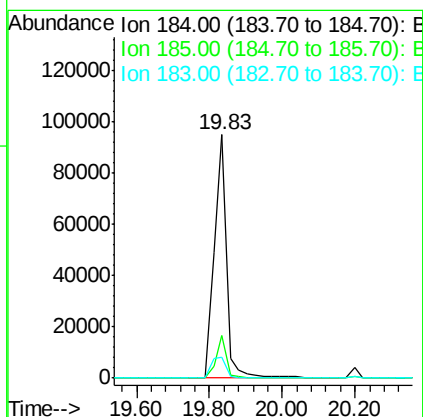
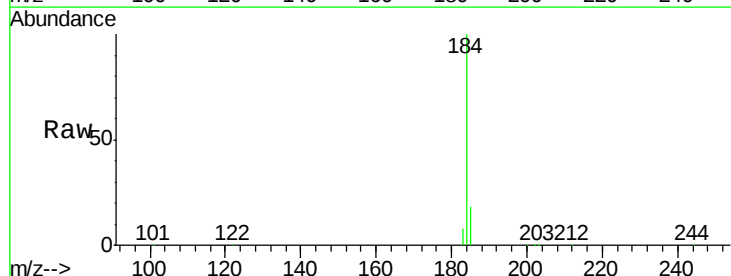
Instrument :
BNA_E
ClientSampleId :

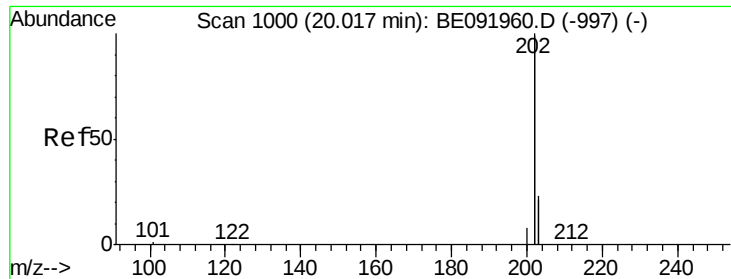
Tot Ion:240 Resp: 273051
Ion Ratio Lower Upper
240 100
120 1.8 1.2 1.8
236 28.3 19.8 29.8



#32
Benzidine
Concen: 23.90 ng
RT: 19.83 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion:184 Resp: 221323
Ion Ratio Lower Upper
184 100
185 17.8 11.4 17.2#
183 8.4 11.8 17.6#

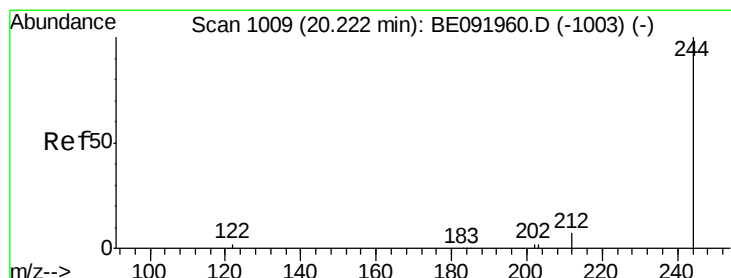
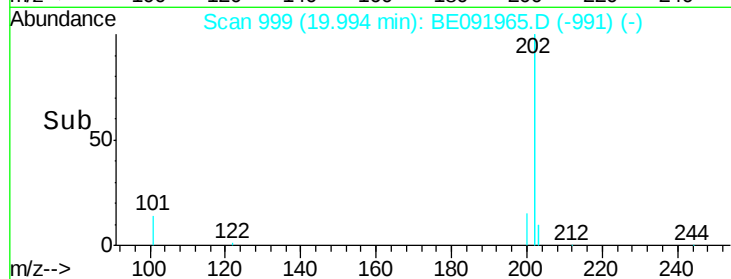
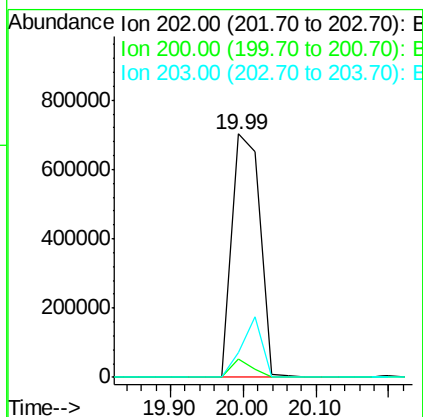
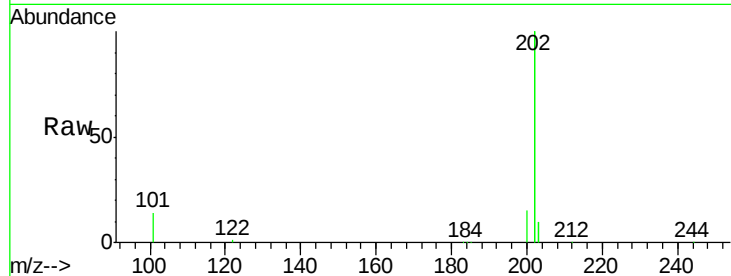




#33
 Pvrene
 Concen: 10.07 ng
 RT: 19.99 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: BE091965.D
 Acq: 5 Jul 2016 13:16

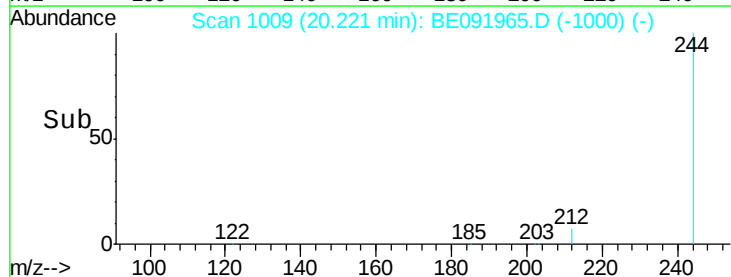
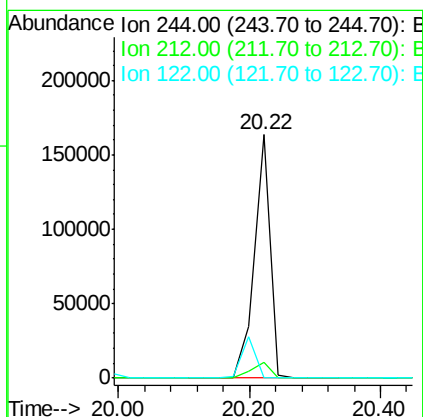
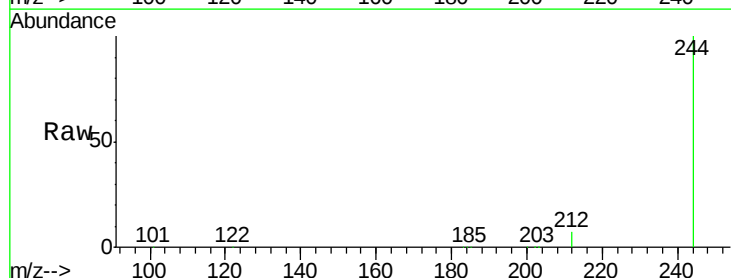
Instrument :
 BNA_E
 ClientSampleId :

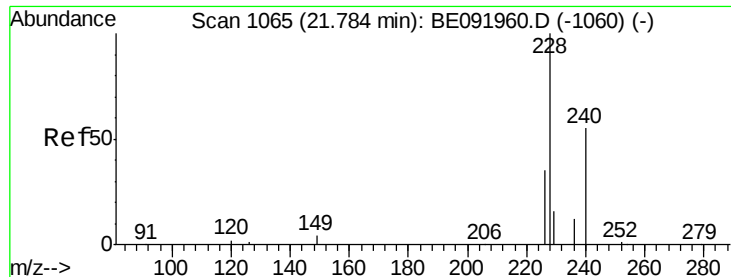
Tot Ion:202 Resp: 1870760
 Ion Ratio Lower Upper
 202 100
 200 5.5 16.9 25.3#
 203 0.0 14.1 21.1#



#34
 Terphenyl-d14
 Concen: 8.25 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BE091965.D
 Acq: 5 Jul 2016 13:16

Tgt Ion:244 Resp: 275636
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 0.3 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 23.14 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

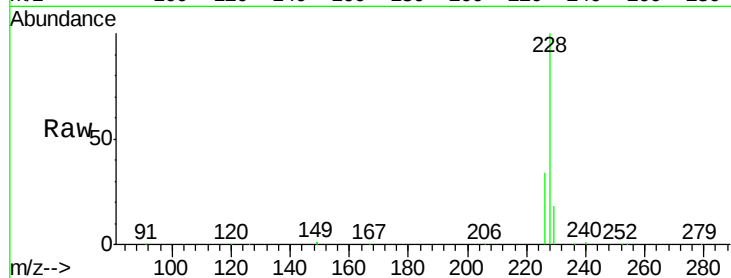
Tot Ion:228 Resp: 992829

Ion Ratio Lower Upper

228 100

226 34.0 21.0 31.4#

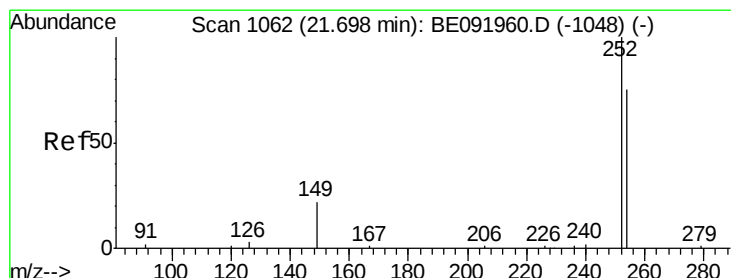
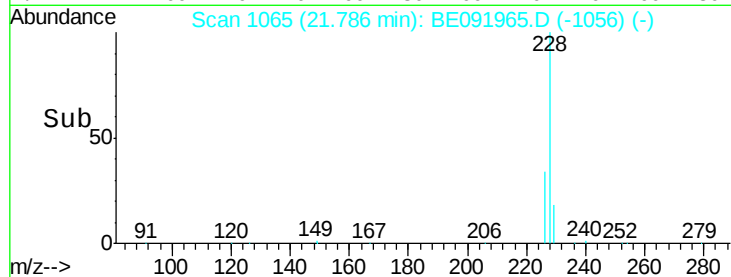
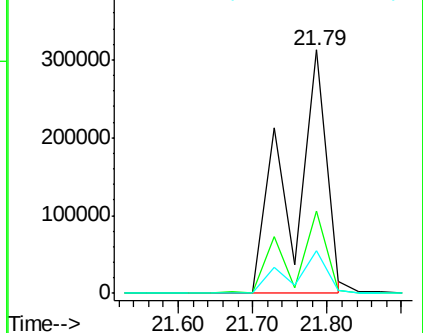
229 17.5 15.8 23.8



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: 19.29 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

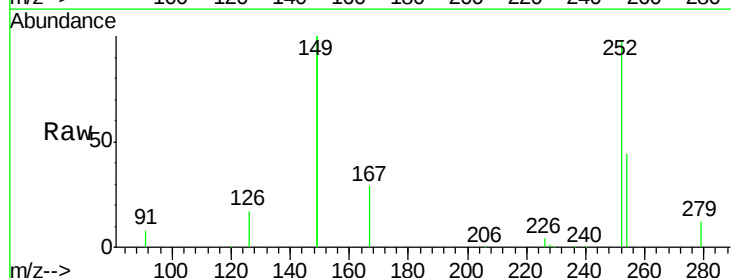
Tgt Ion:252 Resp: 134101

Ion Ratio Lower Upper

252 100

254 44.4 61.5 92.3#

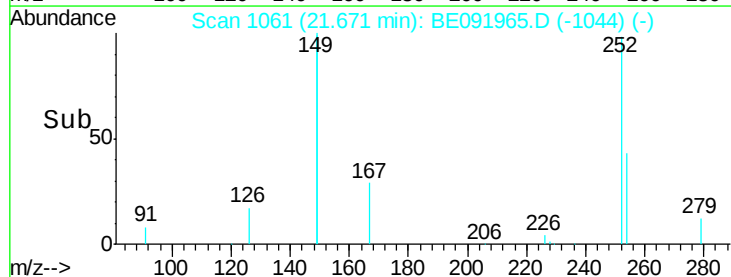
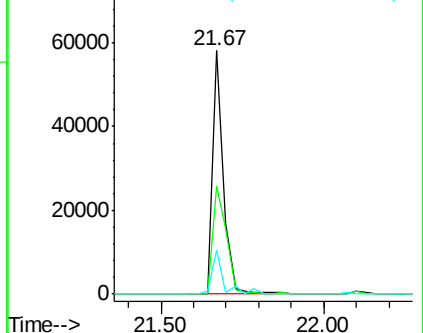
126 17.8 2.5 3.7#

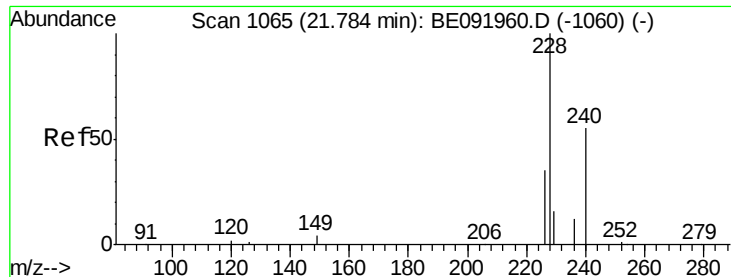


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 15.95 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

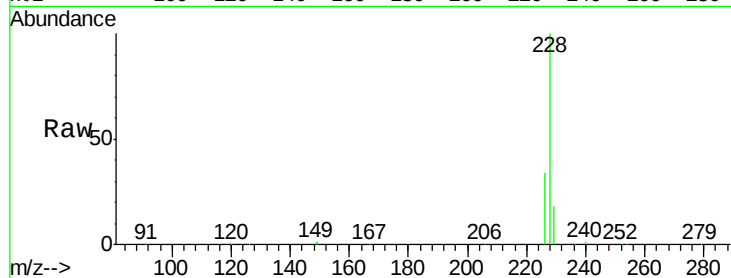
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 999686

Ion	Ratio	Lower	Upper
228	100		
226	34.0	27.0	40.6
229	17.5	13.8	20.8

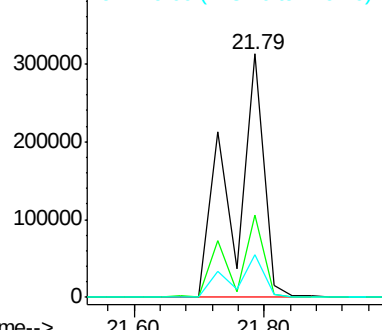


Abundance

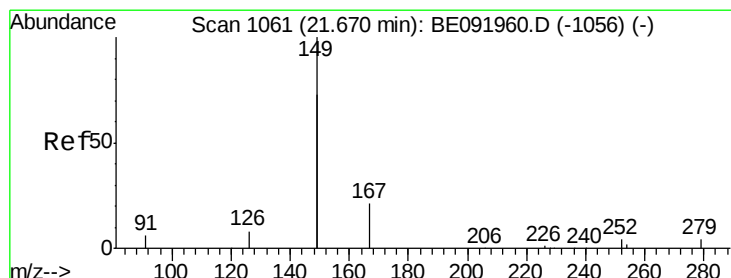
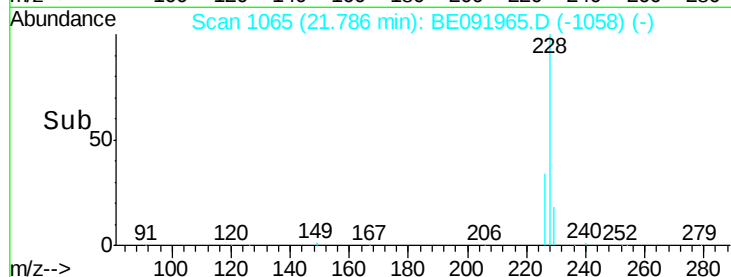
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#38

Bis(2-ethylhexyl)phthalate

Concen: 15.73 ng

RT: 21.64 min Scan# 1060

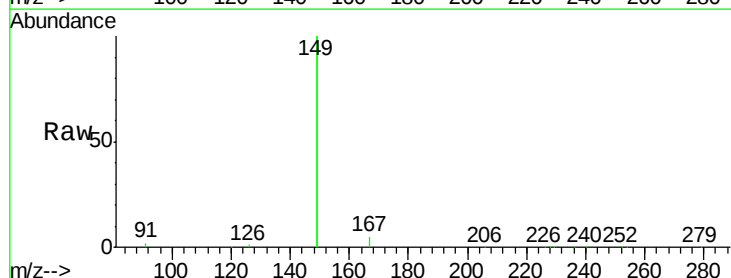
Delta R.T. -0.03 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Tgt Ion:149 Resp: 498433

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
279	0.0	0.0	0.0

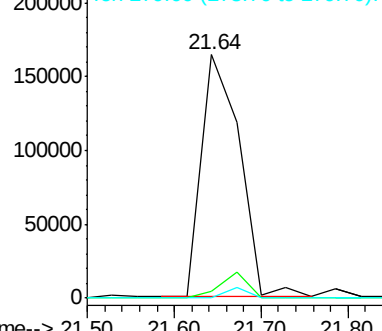


Abundance

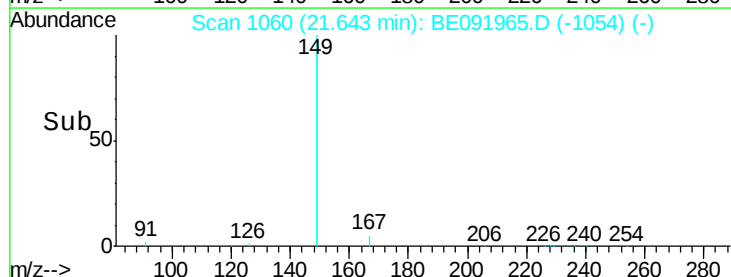
Ion 149.00 (148.70 to 149.70): E

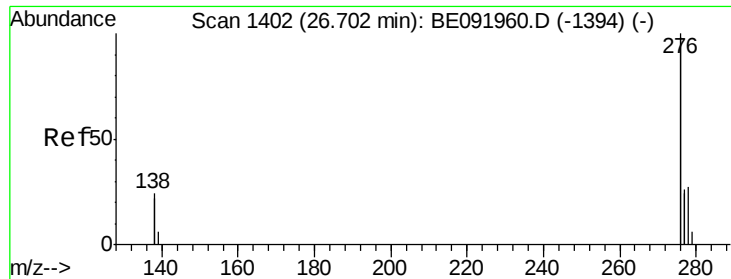
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

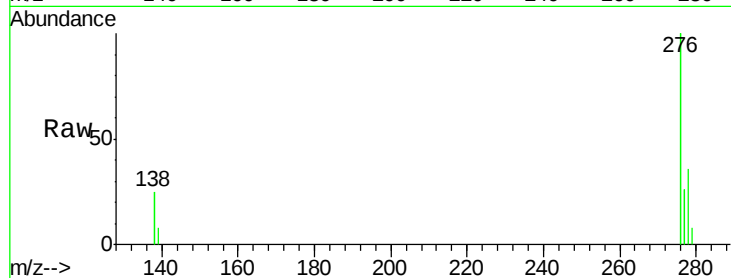




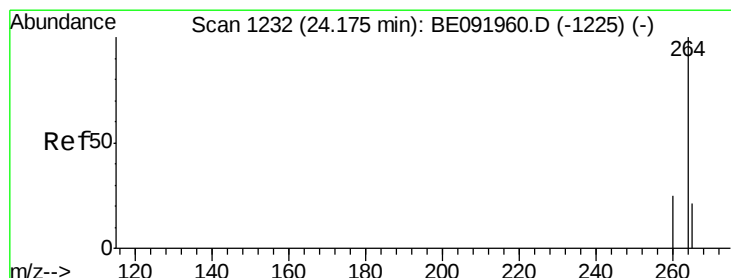
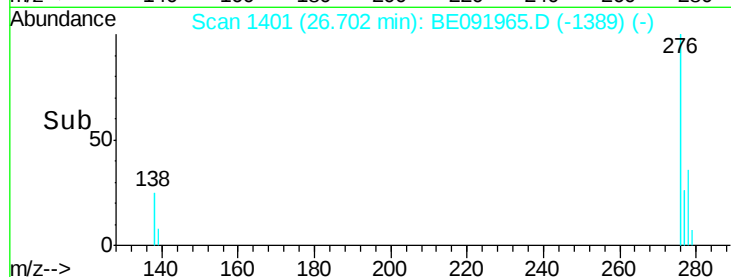
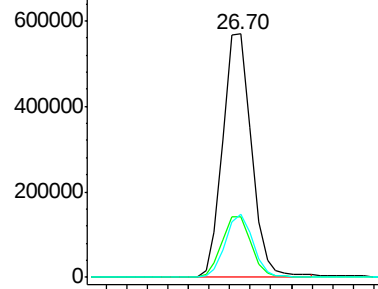
#39
Indeno(1,2,3-cd)pyrene
Concen: 10.25 ng
RT: 26.70 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 2196301
Ion Ratio Lower Upper
276 100
138 25.8 19.7 29.5
277 25.0 20.1 30.1

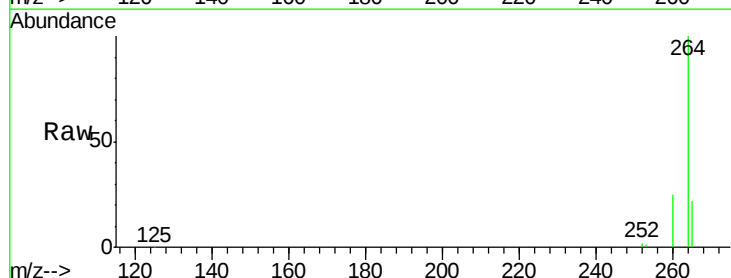


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

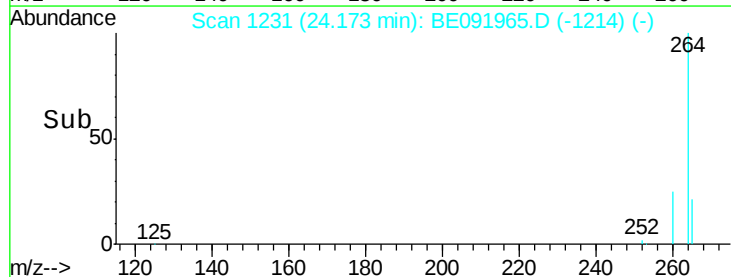
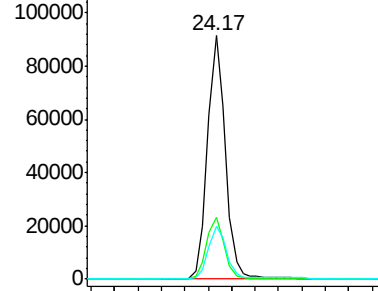


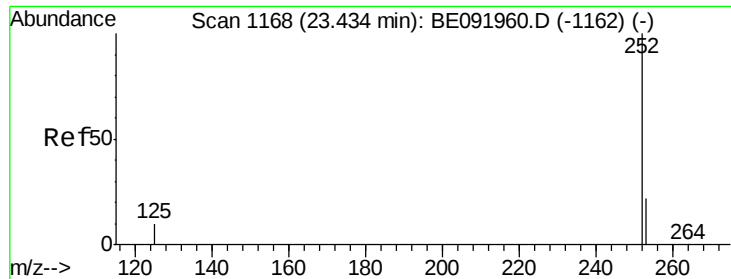
#40
Perylene-d12
Concen: 5.00 ng
RT: 24.17 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BE091965.D
Acq: 5 Jul 2016 13:16

Tgt Ion:264 Resp: 192836
Ion Ratio Lower Upper
264 100
260 25.3 20.3 30.5
265 21.7 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: 10.52 ng

RT: 23.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

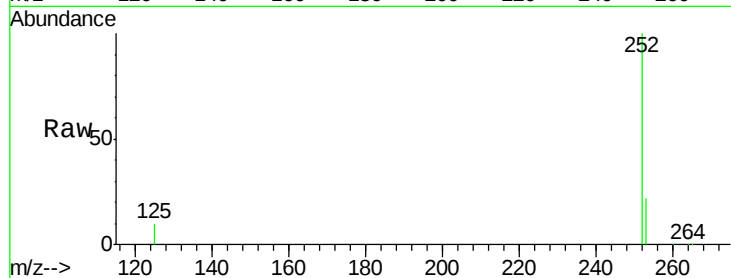
Tot Ion:252 Resp: 520814

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

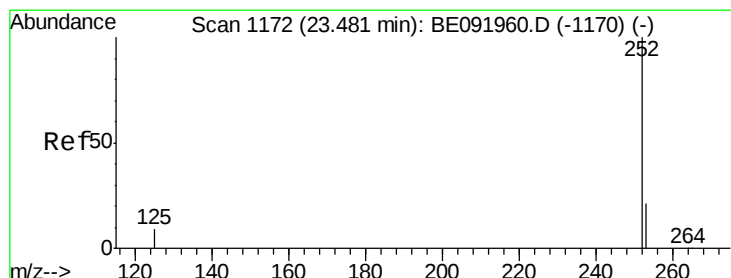
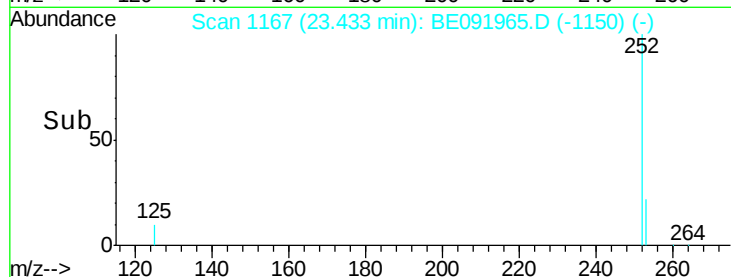
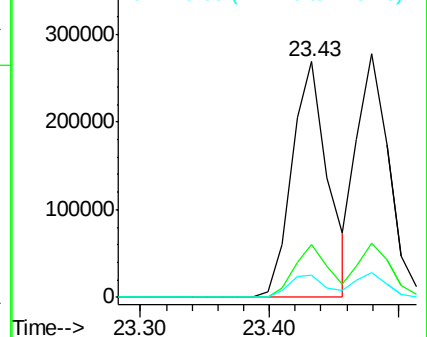
125 9.7 9.4 14.2



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: 10.76 ng

RT: 23.48 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

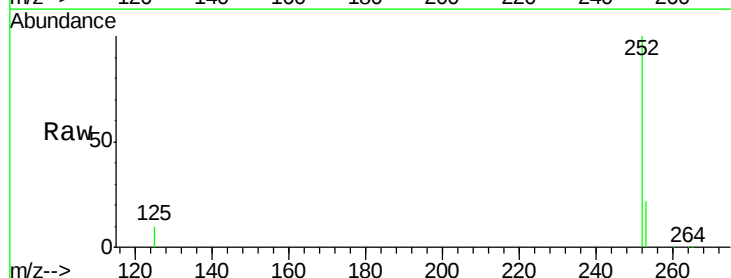
Tgt Ion:252 Resp: 487652

Ion Ratio Lower Upper

252 100

253 22.0 19.4 29.2

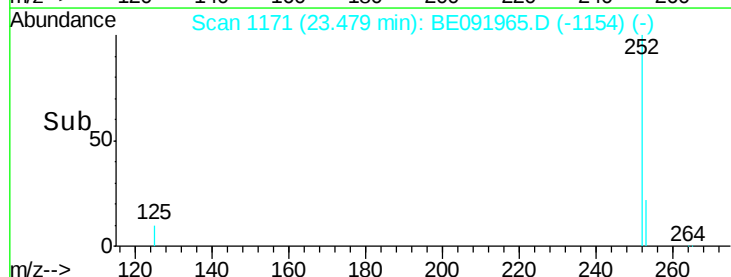
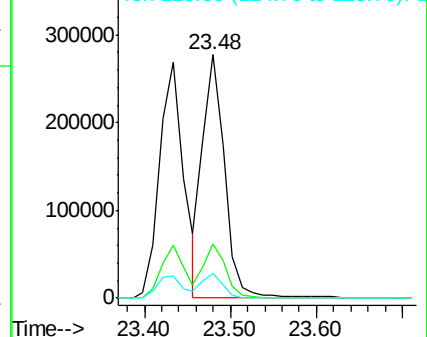
125 9.9 8.3 12.5

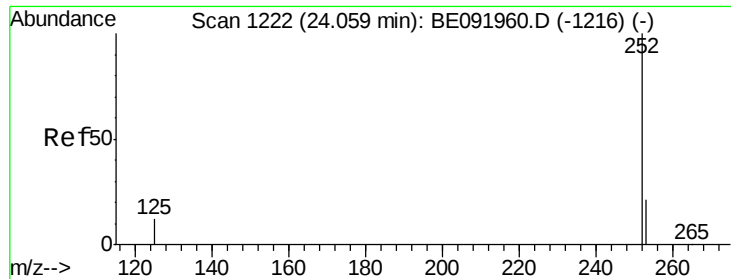


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 11.26 ng

RT: 24.06 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :

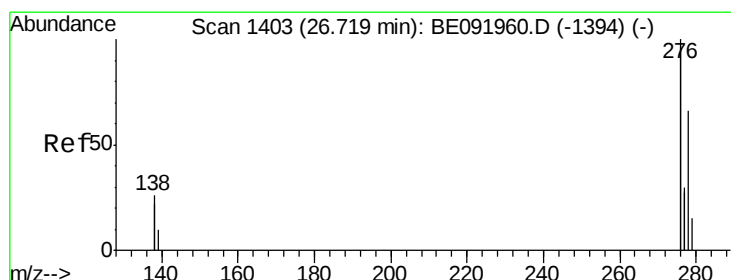
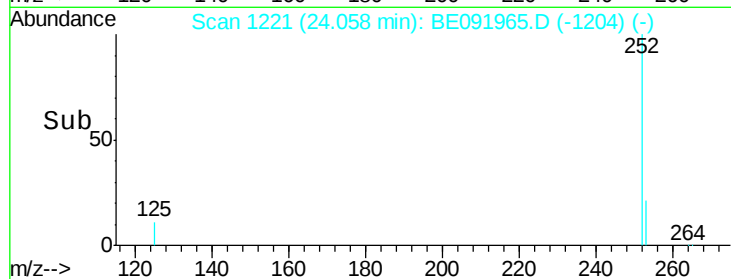
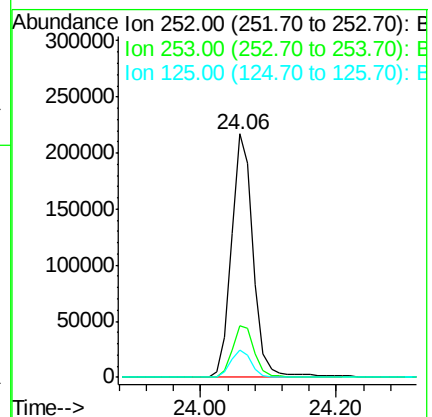
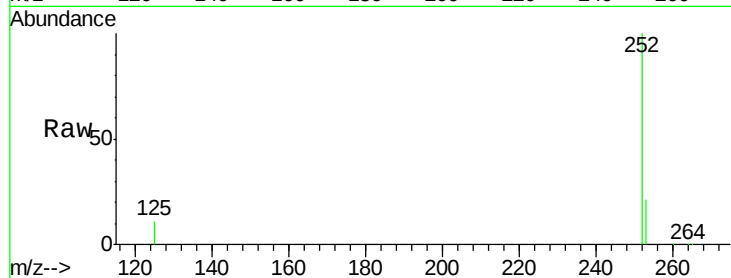
Tot Ion:252 Resp: 487287

Ion Ratio Lower Upper

252 100

253 21.2 18.9 28.3

125 11.3 10.5 15.7



#44

Dibenzo(a,h)anthracene

Concen: 10.88 ng

RT: 26.72 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

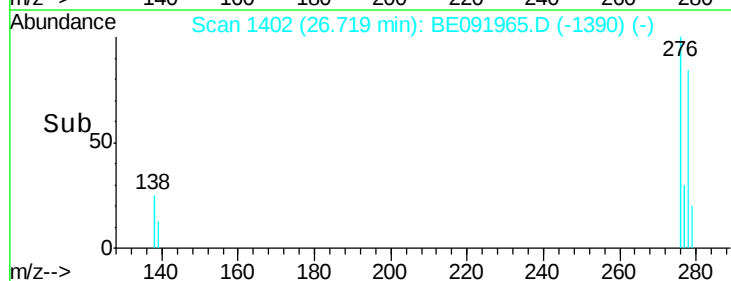
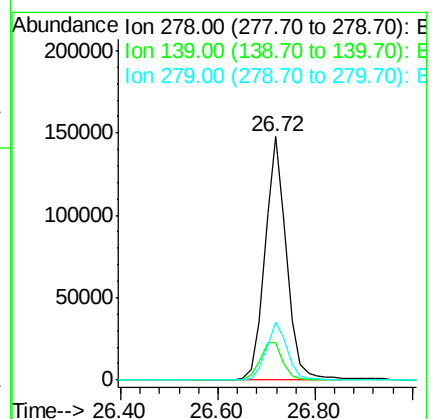
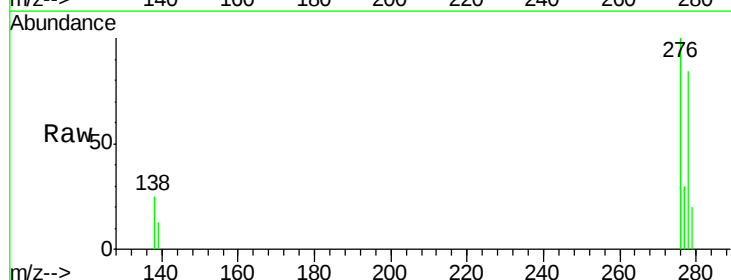
Tgt Ion:278 Resp: 457870

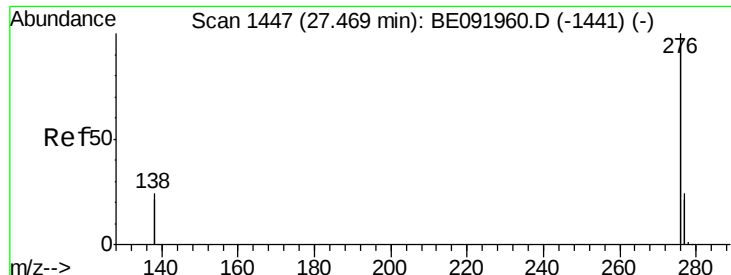
Ion Ratio Lower Upper

278 100

139 15.3 12.6 18.8

279 23.6 20.0 30.0





#45

Benzo(a,h,i)perylene

Concen: 10.58 ng

RT: 27.47 min Scan# 1446

Delta R.T. -0.00 min

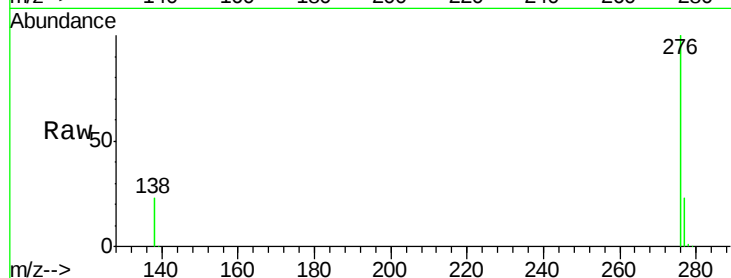
Lab File: BE091965.D

Acq: 5 Jul 2016 13:16

Instrument :

BNA_E

ClientSampleId :



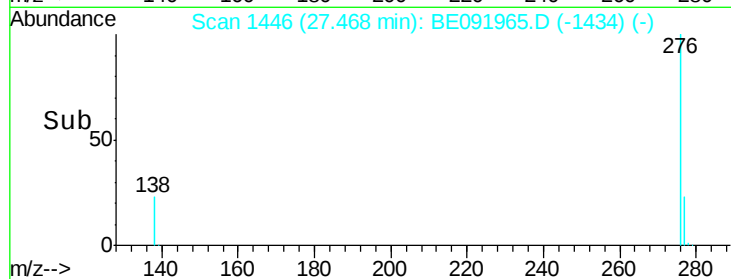
Tot Ion:276 Resp: 1838583

Ion Ratio Lower Upper

276 100

277 22.8 19.5 29.3

138 23.2 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

