

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
 Data File : BE092096.D
 Acq On : 1 Aug 2016 16:51
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 01 18:26:28 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 18:25:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9761	5.00	ng	0.00
8) Naphthalene-d8	10.97	136	42323	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	23077	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	90633	5.00	ng	0.00
31) Chrysene-d12	21.74	240	103821	5.00	ng	0.00
40) Perylene-d12	24.15	264	90799	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	1326	0.41	ng	0.00
5) Phenol-d6	7.33	99	1569	0.49	ng	0.00
9) Nitrobenzene-d5	9.35	82	1584	0.48	ng	0.00
16) 2,4,6-Tribromophenol	16.34	330	591	0.39	ng	0.00
17) 2-Fluorobiphenyl	13.46	172	4001	0.45	ng	0.00
34) Terphenyl-d14	20.21	244	7076	0.39	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	617	0.40	ng	96
3) n-Nitrosodimethylamine	3.78	42	749	0.42	ng	# 97
6) bis(2-Chloroethyl)ether	7.59	93	1288	0.43	ng	98
7) n-Nitroso-di-n-propylamine	8.98	70	1202	0.42	ng	99
10) Nitrobenzene	9.39	77	1494	0.42	ng	99
11) bis(2-Chloroethoxy)methane	10.40	93	2286	0.48	ng	# 87
12) Naphthalene	11.02	128	4452	0.46	ng	95
13) Hexachlorobutadiene	11.32	225	743	0.47	ng	# 98
14) 2-Methylnaphthalene	12.65	142	3015	0.46	ng	89
18) Acenaphthylene	14.58	152	23698	0.46	ng	95
19) 2,6-Dinitrotoluene	14.46	165	2478	0.41	ng	# 100
20) Acenaphthene	14.92	154	3273	0.46	ng	# 67
21) 2,4-Dinitrotoluene	15.25	165	3571	0.36	ng	# 1
22) Fluorene	15.89	166	4759	0.45	ng	99
23) 4-Chlorophenyl-phenylether	15.89	204	3926	0.72	ng	# 85
25) 4-Bromophenyl-phenylether	16.76	248	1424	0.47	ng	97
26) Hexachlorobenzene	16.88	284	1475	0.49	ng	98
27) Pentachlorophenol	17.25	266	489	1.31	ng	92
28) Phenanthrene	17.72	178	8059	0.33	ng	100
29) Anthracene	17.72	178	8364	0.46	ng	99
30) Fluoranthene	19.64	202	34010	0.49	ng	# 92
32) Benzidine	19.84	184	2756	0.56	ng	# 90
33) Pyrene	19.98	202	51055	0.43	ng	96
35) Benzo(a)anthracene	21.72	228	23747	0.91	ng	94
36) 3,3'-Dichlorobenzidine	21.67	252	3946	0.42	ng	# 92
37) Chrysene	21.72	228	24156	0.98	ng	93
38) Bis(2-ethylhexyl)phthalate	21.65	149	9310	0.36	ng	# 26
39) Indeno(1,2,3-cd)pyrene	26.65	276	48987	0.44	ng	99
41) Benzo(b)fluoranthene	23.41	252	11425	0.45	ng	99
42) Benzo(k)fluoranthene	23.45	252	12308	0.48	ng	97
43) Benzo(a)pyrene	24.03	252	10789	0.46	ng	96
44) Dibenzo(a,h)anthracene	26.69	278	9758	0.45	ng	# 95
45) Benzo(a,h,i)perylene	27.42	276	42712	0.47	ng	98

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Instrument :
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Quant Time: Aug 01 18:26:28 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 18:25:22 2016
Response via : Initial Calibration

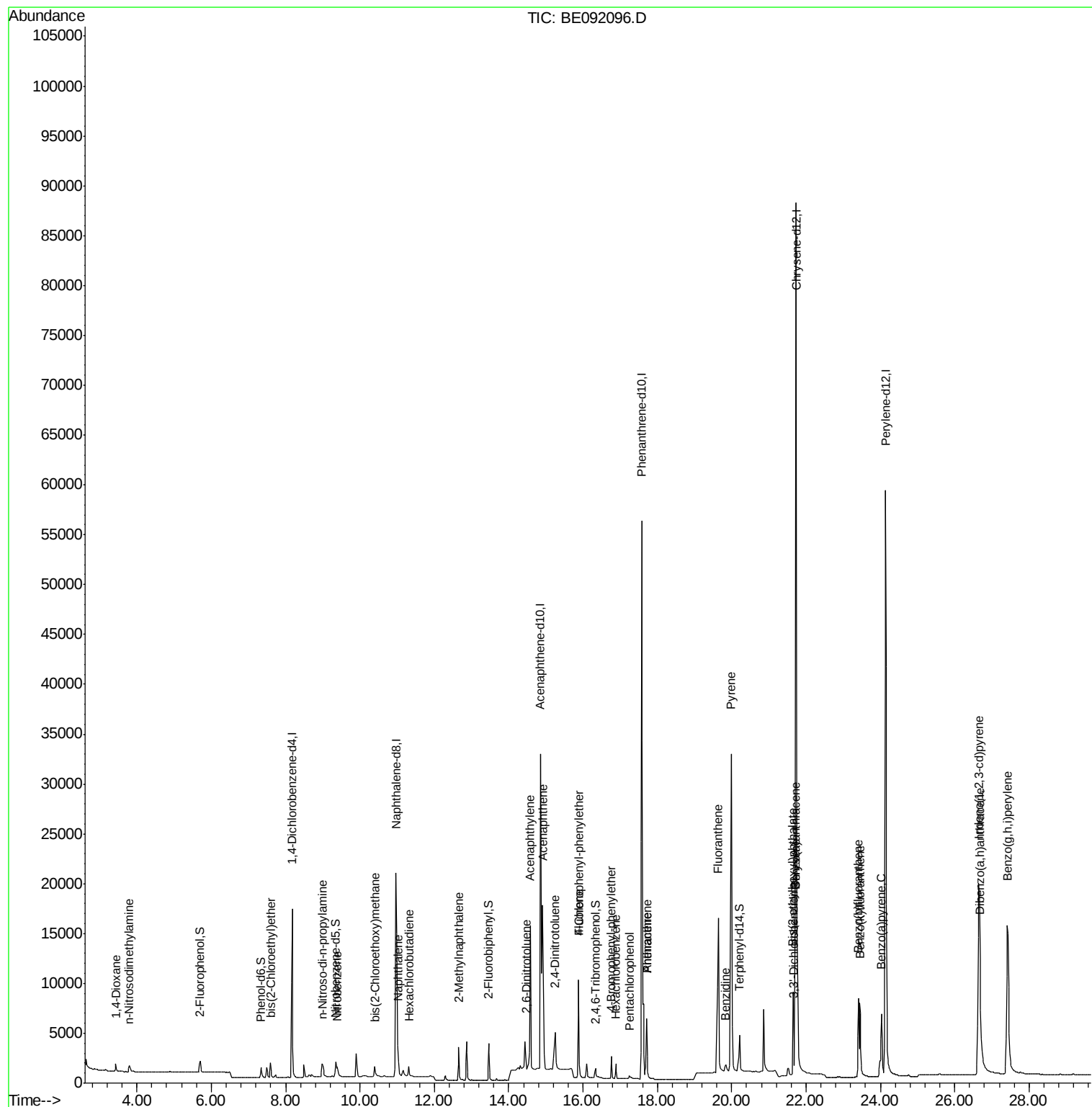
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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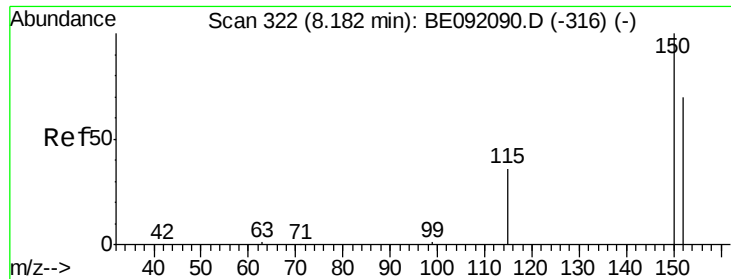
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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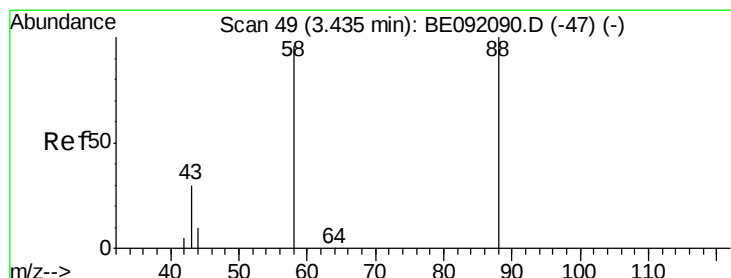
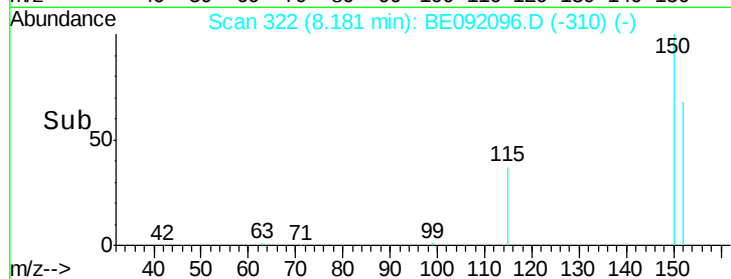
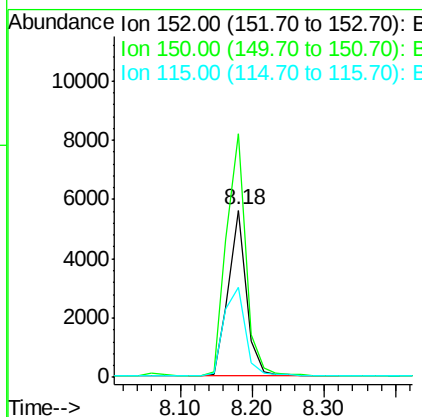
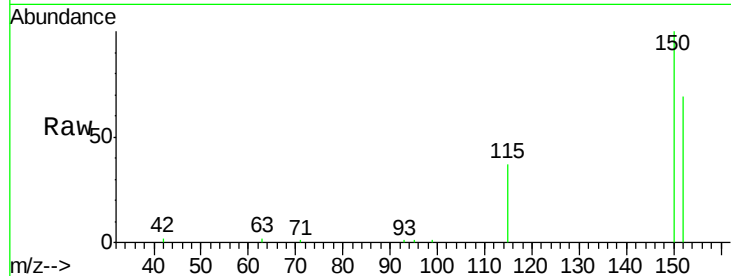


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.18 min Scan# 322
Delta R.T. -0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Instrument :
BNA_E
ClientSampleId :

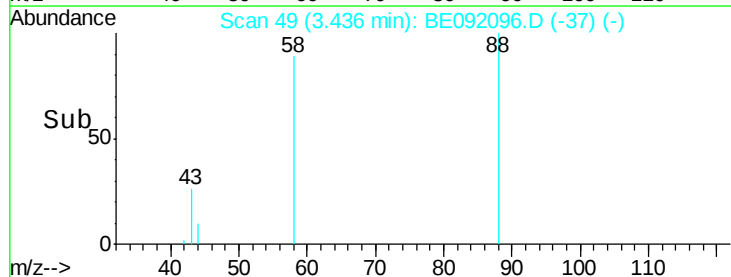
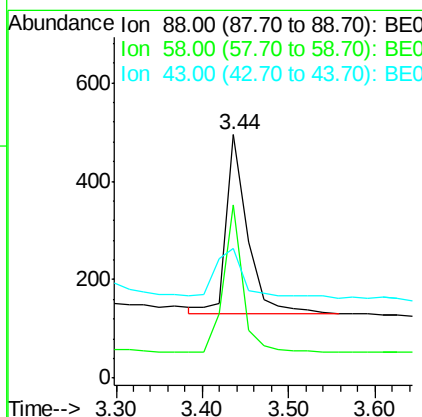
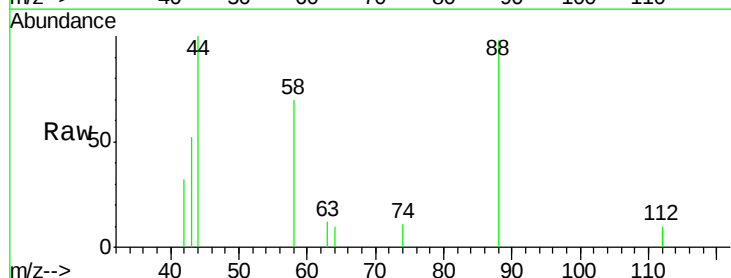
Tot Ion:152 Resp: 9761
Ion Ratio Lower Upper
152 100
150 145.6 106.0 159.0
115 54.1 36.9 55.3

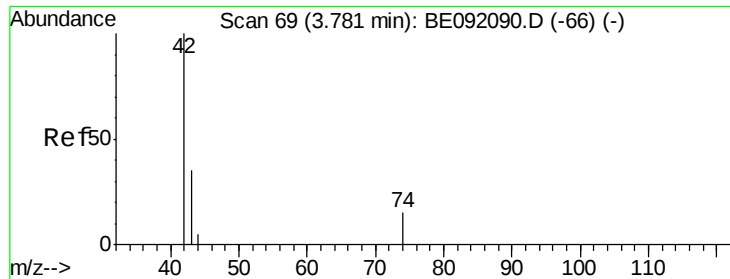


#2

1,4-Dioxane
Concen: 0.40 ng
RT: 3.44 min Scan# 49
Delta R.T. 0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Tgt Ion: 88 Resp: 617
Ion Ratio Lower Upper
88 100
58 75.0 62.1 93.1
43 38.2 27.2 40.8



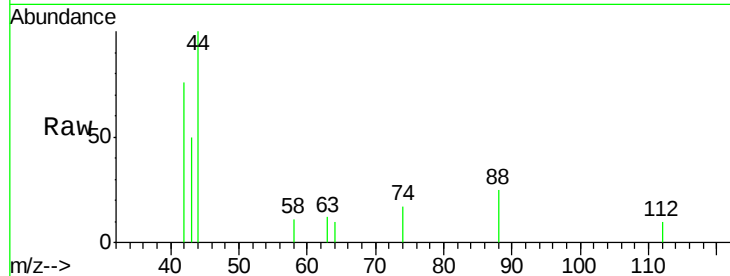


#3

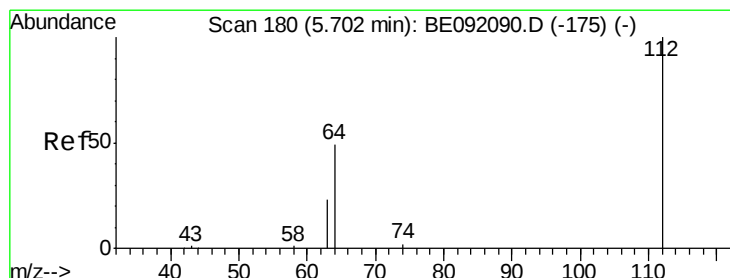
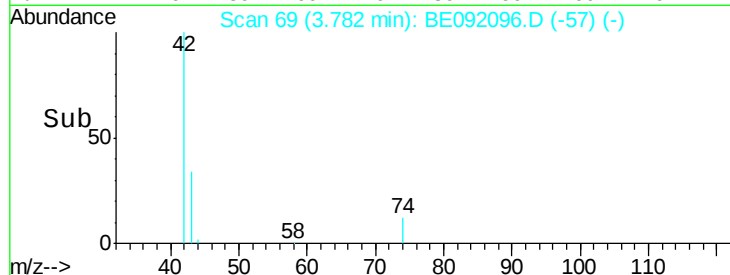
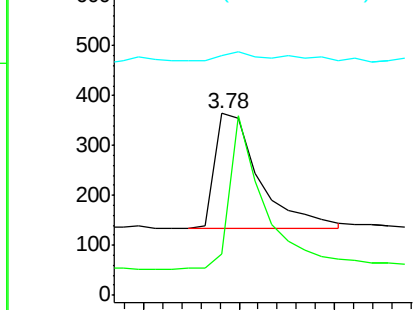
n-Nitrosodimethylamine
 Concen: 0.42 ng
 RT: 3.78 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: BE092096.D
 Acq: 1 Aug 2016 16:51

Instrument :
 BNA_E
 ClientSampled :

Tot Ion: 42 Resp: 749
 Ion Ratio Lower Upper
 42 100
 74 102.4 82.8 124.2
 44 4.8 9.0 13.4#



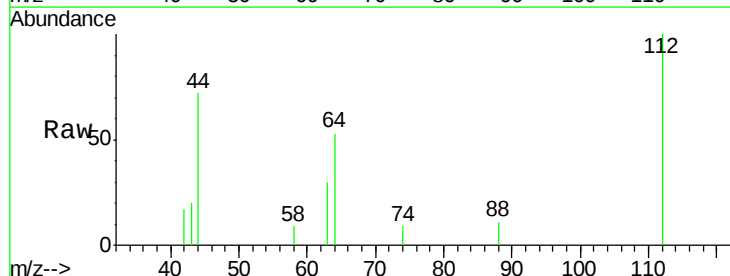
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



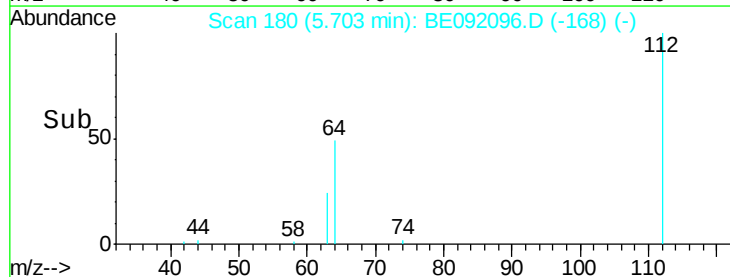
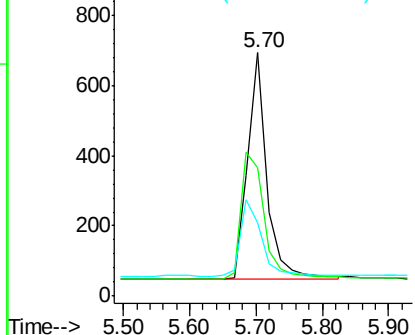
#4

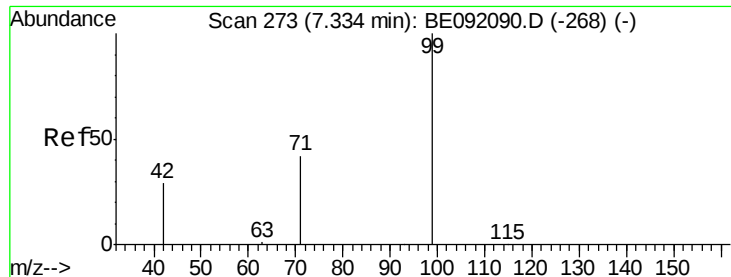
2-Fluorophenol
 Concen: 0.41 ng
 RT: 5.70 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: BE092096.D
 Acq: 1 Aug 2016 16:51

Tgt Ion: 112 Resp: 1326
 Ion Ratio Lower Upper
 112 100
 64 65.9 55.9 83.9
 63 36.1 31.1 46.7



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





#5

Phenol-d6

Concen: 0.49 ng

RT: 7.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

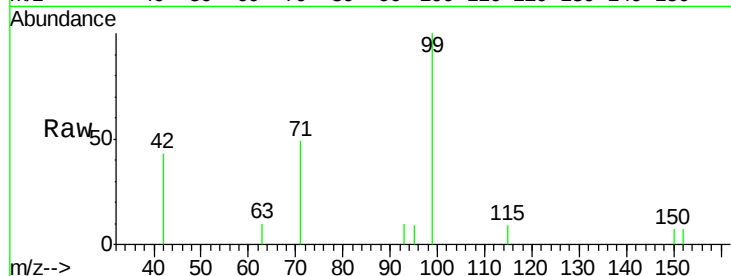
Tot Ion: 99 Resp: 1569

Ion Ratio Lower Upper

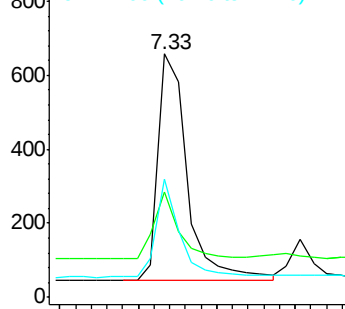
99 100

42 25.8 22.4 33.6

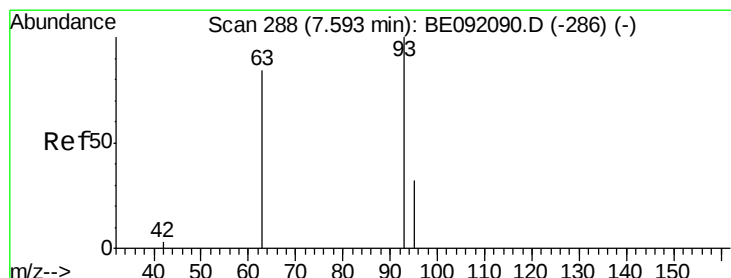
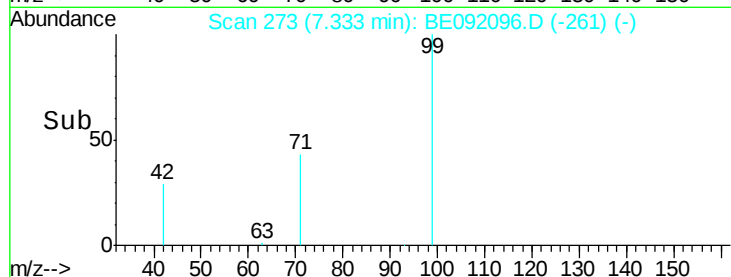
71 35.8 28.9 43.3



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



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.43 ng

RT: 7.59 min Scan# 288

Delta R.T. -0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

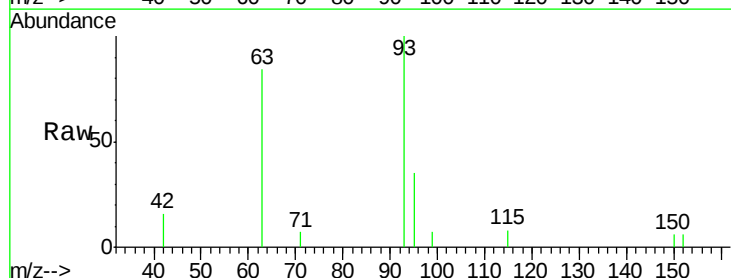
Tgt Ion: 93 Resp: 1288

Ion Ratio Lower Upper

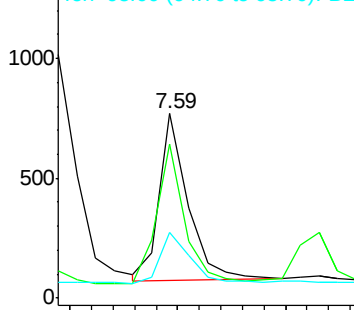
93 100

63 82.8 64.4 96.6

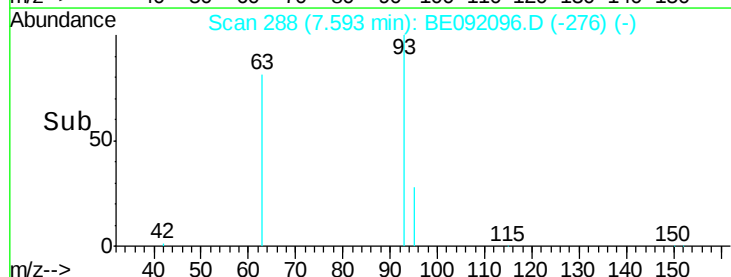
95 31.2 25.8 38.8

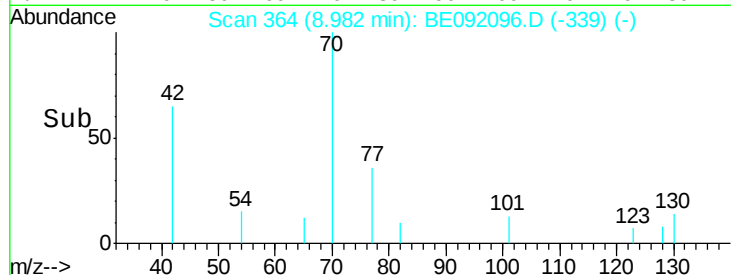
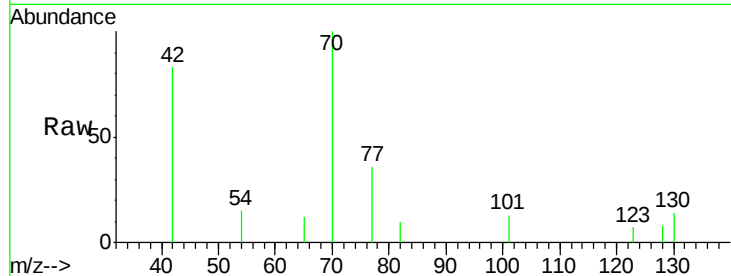
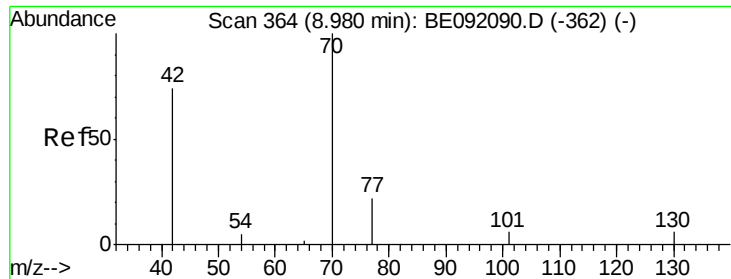


Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

n-Nitroso-di-n-propylamine

Concen: 0.42 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampled :

Tot Ion: 70 Resp: 1202

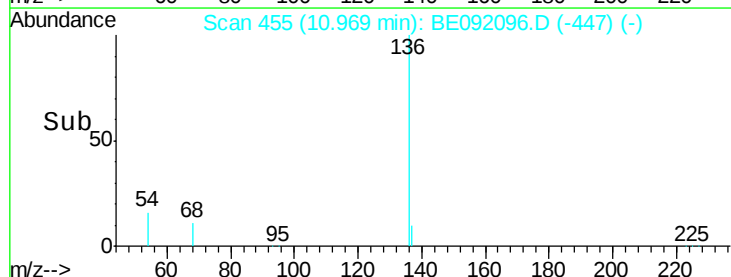
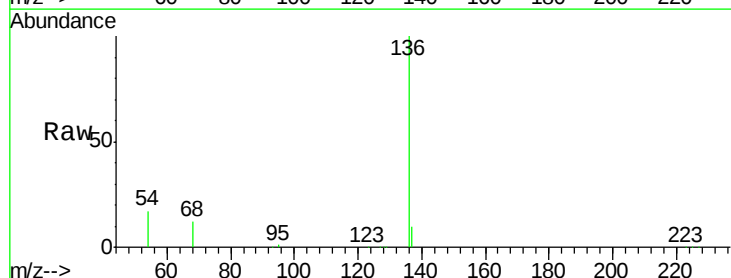
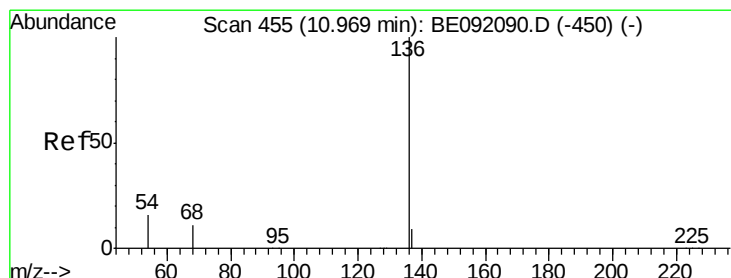
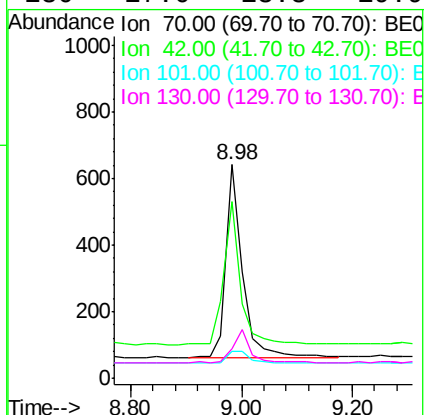
Ion Ratio Lower Upper

70 100

42 76.5 60.2 90.4

101 8.2 6.8 10.2

130 17.0 13.3 19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Tgt Ion: 136 Resp: 42323

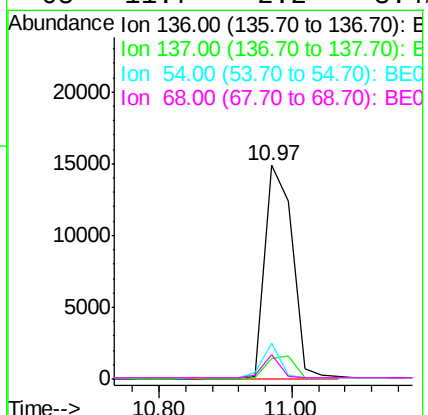
Ion Ratio Lower Upper

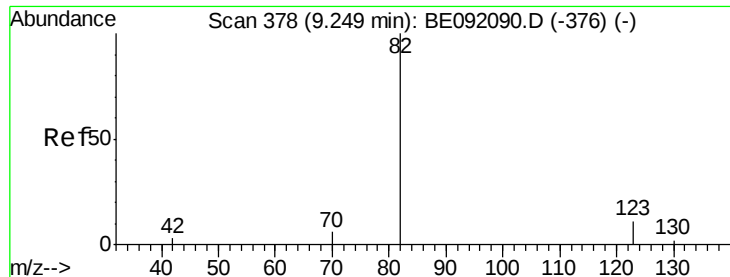
136 100

137 9.8 9.1 13.7

54 16.6 2.7 4.1#

68 11.7 2.2 3.4#





#9

Nitrobenzene-d5

Concen: 0.48 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

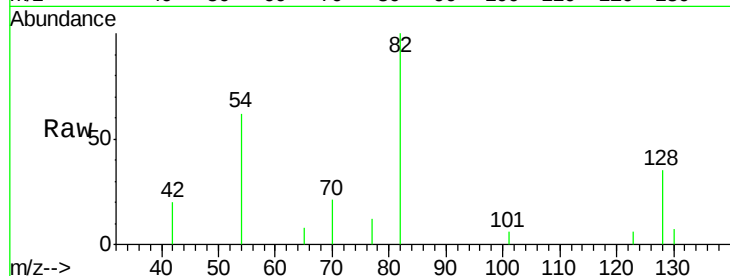
Tot Ion: 82 Resp: 1584

Ion Ratio Lower Upper

82 100

128 34.5 33.0 49.4

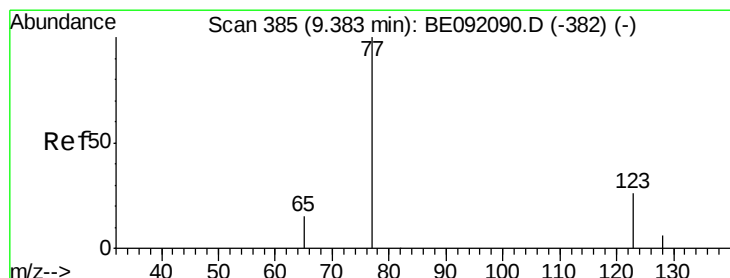
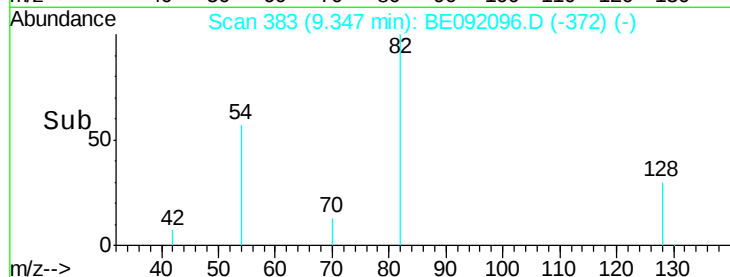
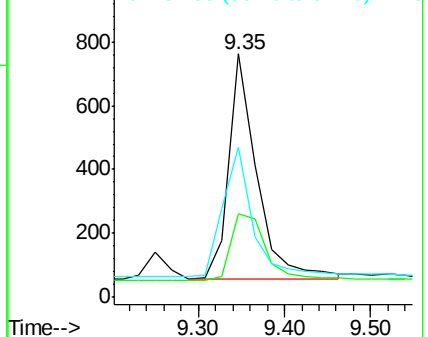
54 61.5 42.6 63.8



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: 0.42 ng

RT: 9.39 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

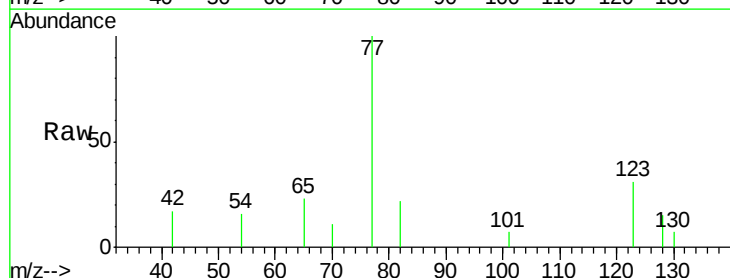
Tgt Ion: 77 Resp: 1494

Ion Ratio Lower Upper

77 100

123 37.7 29.9 44.9

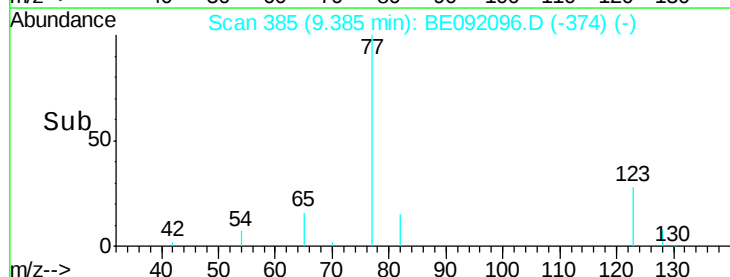
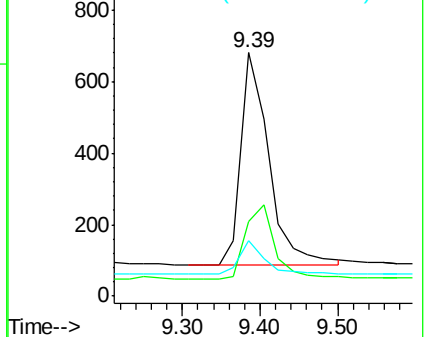
65 15.2 11.4 17.0

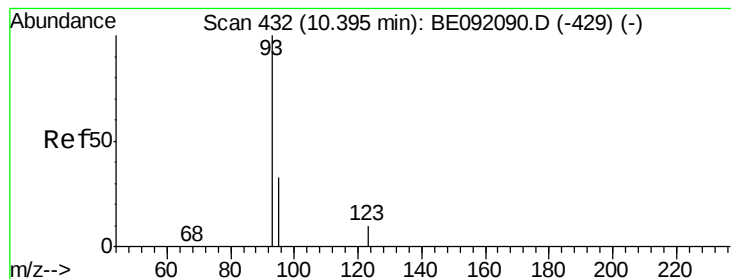


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.48 ng

RT: 10.40 min Scan# 432

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampled :

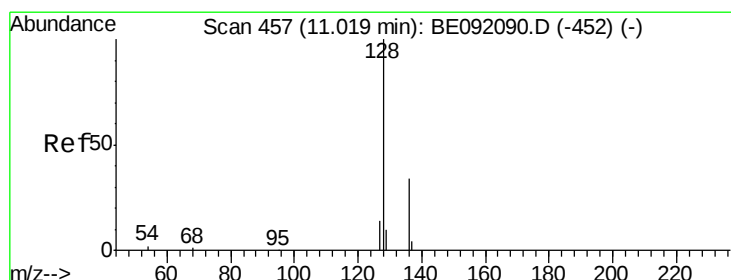
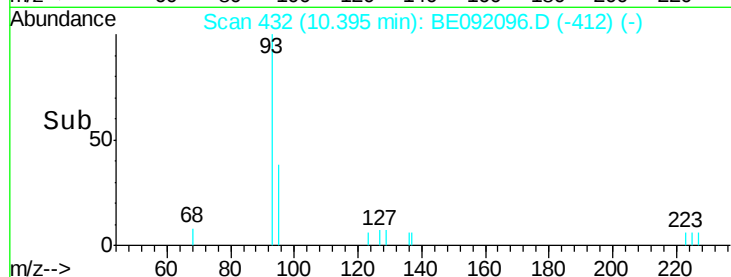
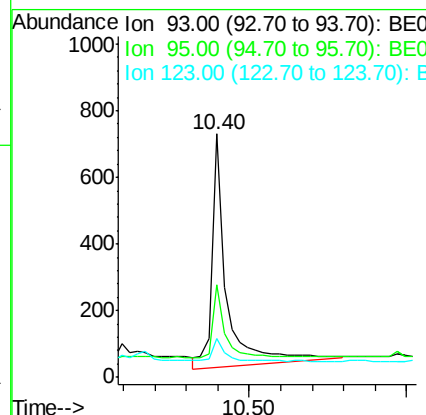
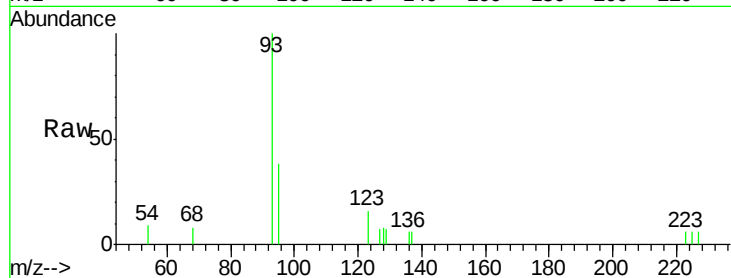
Tot Ion: 93 Resp: 2286

Ion Ratio Lower Upper

93 100

95 40.5 25.0 37.6#

123 8.5 7.8 11.8



#12

Naphthalene

Concen: 0.46 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

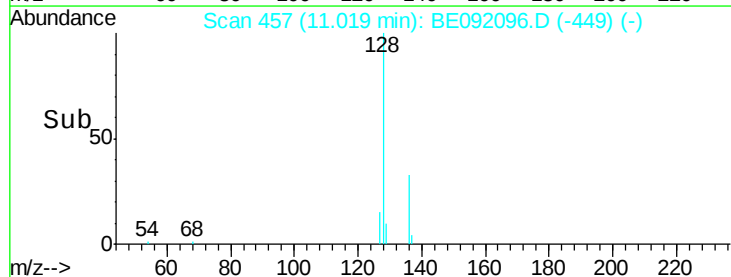
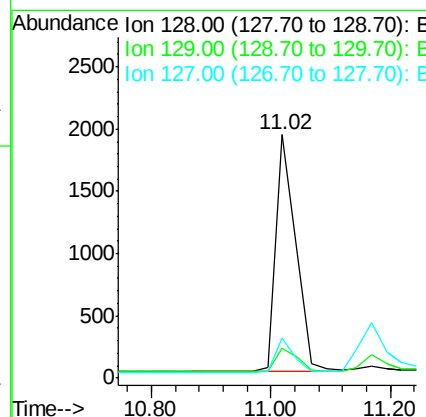
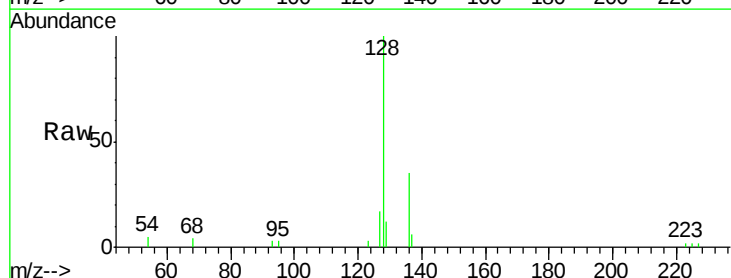
Tgt Ion: 128 Resp: 4452

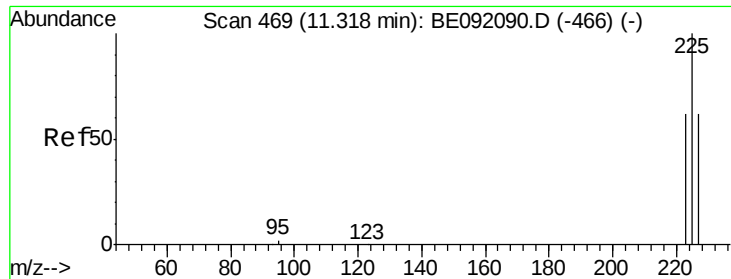
Ion Ratio Lower Upper

128 100

129 12.2 11.1 16.7

127 16.7 11.3 16.9

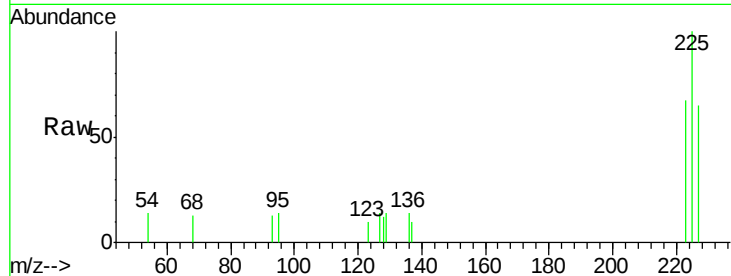




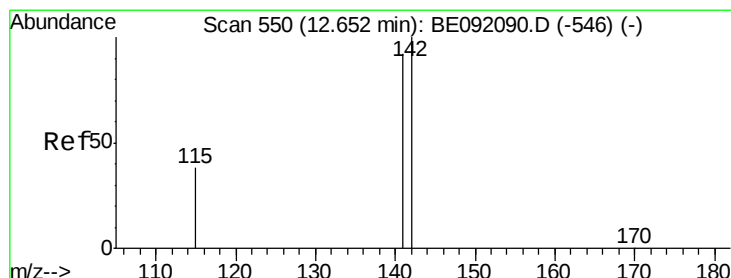
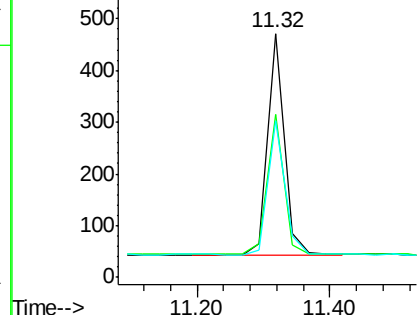
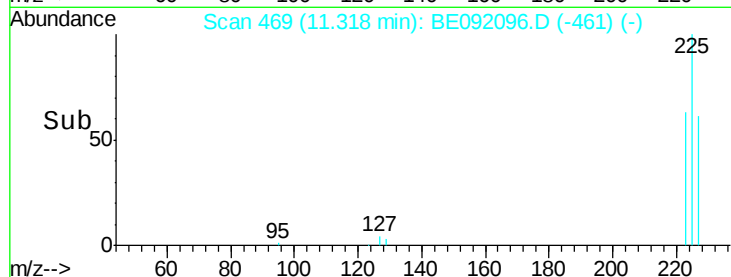
#13
Hexachlorobutadiene
Concen: 0.47 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 743
Ion Ratio Lower Upper
225 100
223 63.1 51.9 77.9
227 62.3 0.0 0.0#

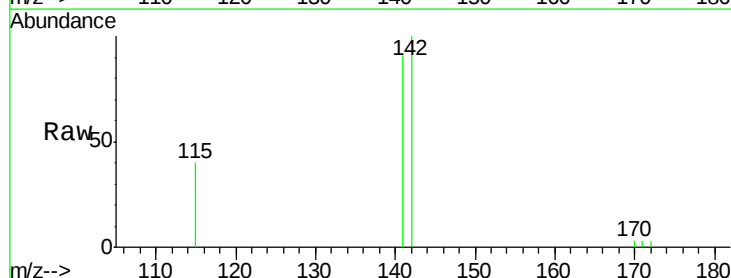


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

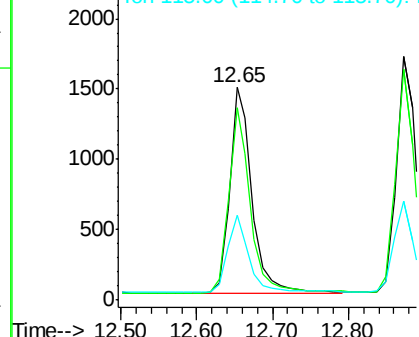
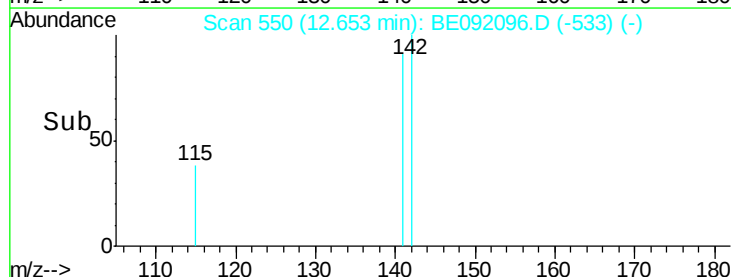


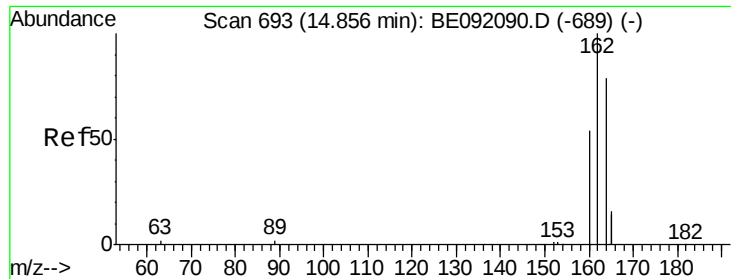
#14
2-Methylnaphthalene
Concen: 0.46 ng
RT: 12.65 min Scan# 550
Delta R.T. 0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Tgt Ion:142 Resp: 3015
Ion Ratio Lower Upper
142 100
141 90.5 65.1 97.7
115 40.1 27.0 40.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

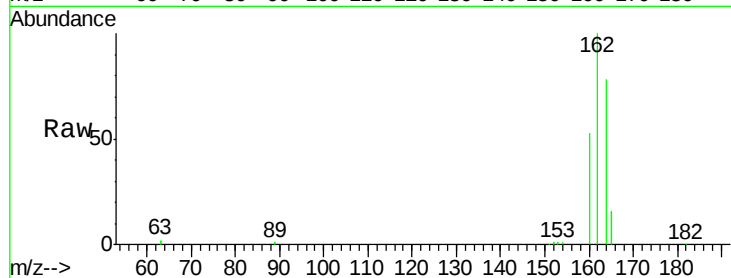
Tot Ion:164 Resp: 23077

Ion Ratio Lower Upper

164 100

162 128.3 69.5 104.3#

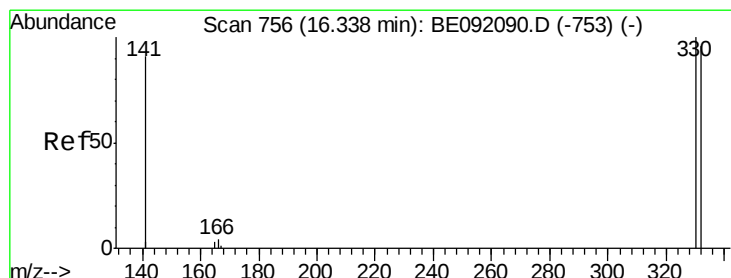
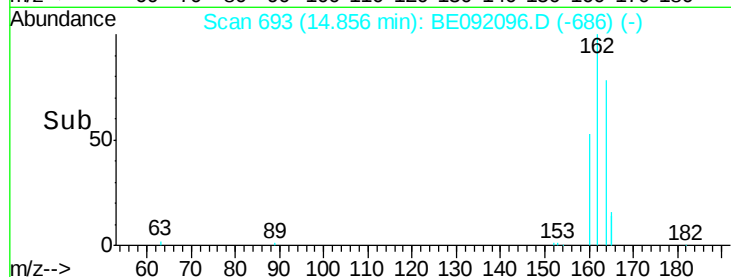
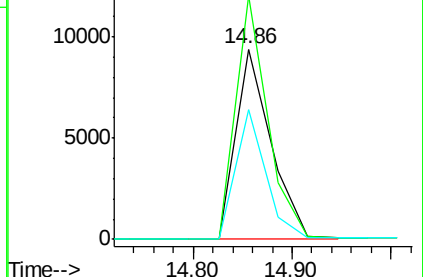
160 68.6 27.6 41.4#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.39 ng

RT: 16.34 min Scan# 756

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

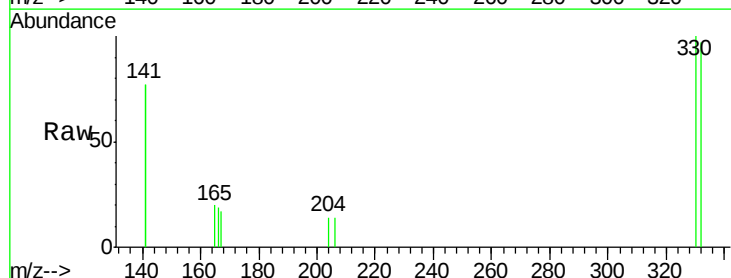
Tgt Ion:330 Resp: 591

Ion Ratio Lower Upper

330 100

332 101.0 74.2 111.4

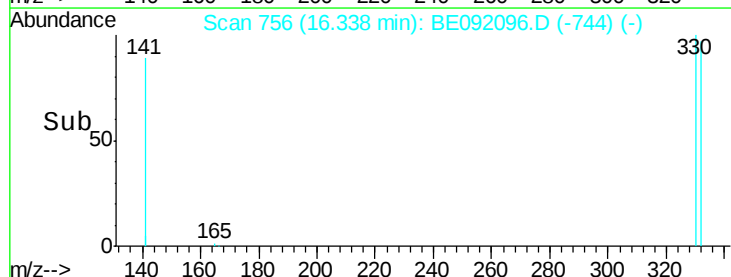
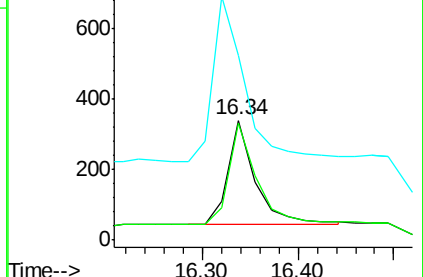
141 182.1 139.8 209.8

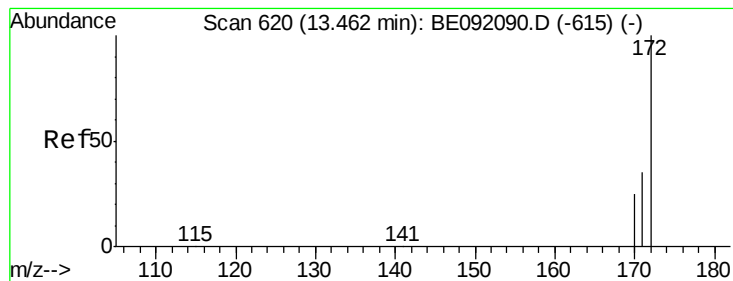


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

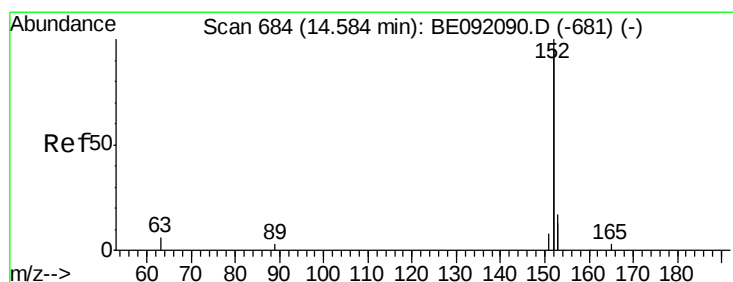
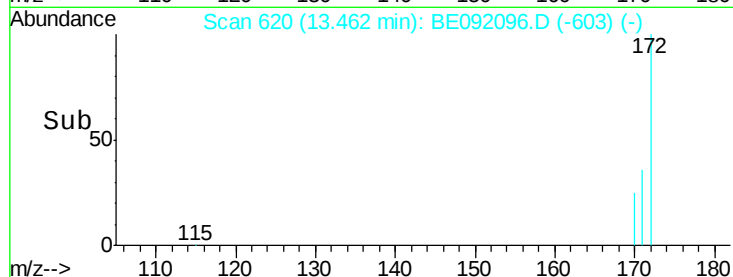
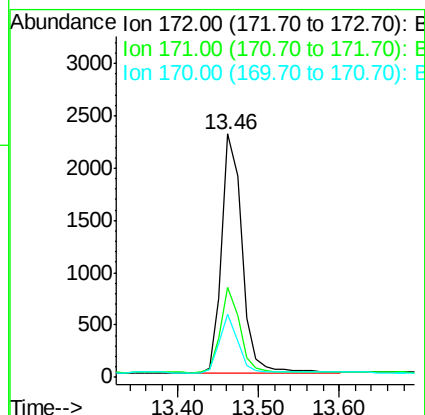
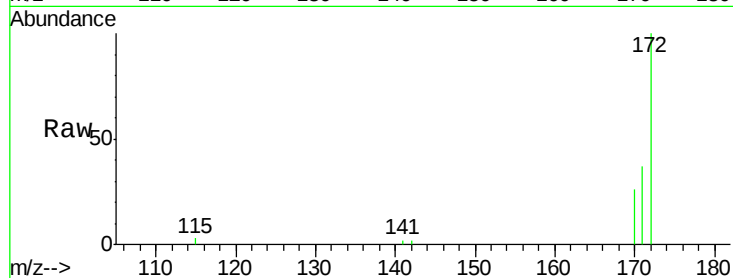




#17
2-Fluorobiphenyl
Concen: 0.45 ng
RT: 13.46 min Scan# 620
Delta R.T. 0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

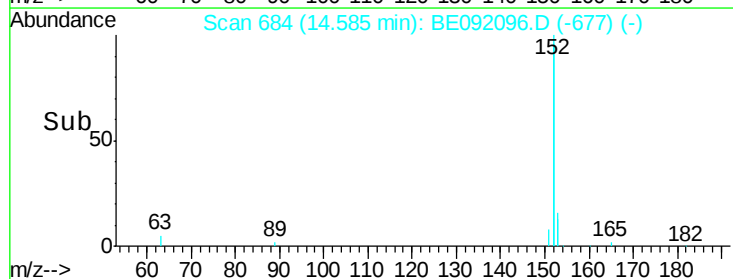
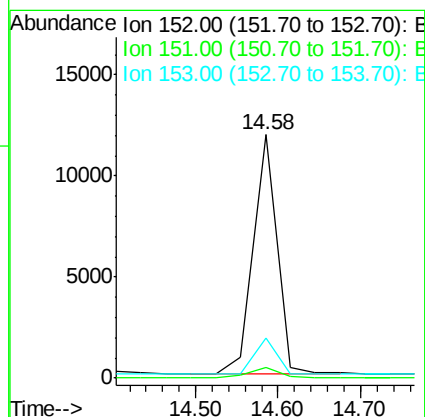
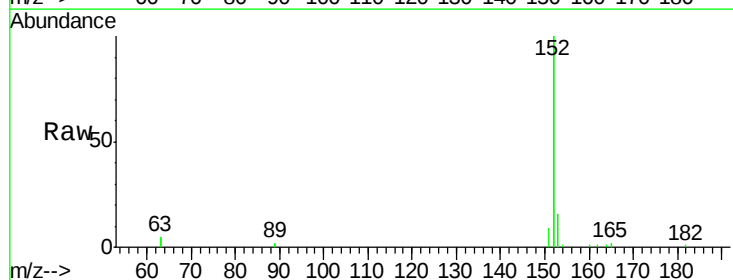
Instrument :
BNA_E
ClientSampleId :

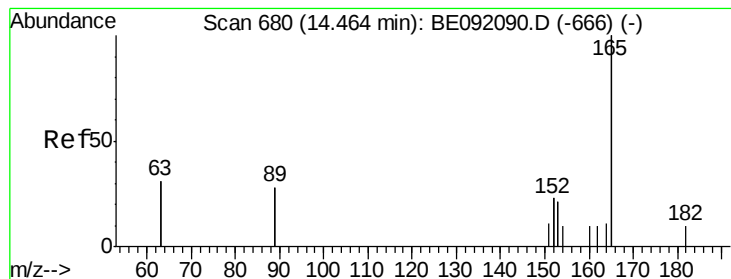
Tot Ion:172 Resp: 4001
Ion Ratio Lower Upper
172 100
171 37.0 30.3 45.5
170 26.2 21.6 32.4



#18
Acenaphthylene
Concen: 0.46 ng
RT: 14.58 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Tgt Ion:152 Resp: 23698
Ion Ratio Lower Upper
152 100
151 4.3 4.0 6.0
153 14.4 9.6 14.4





#19

2,6-Dinitrotoluene

Concen: 0.41 ng

RT: 14.46 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

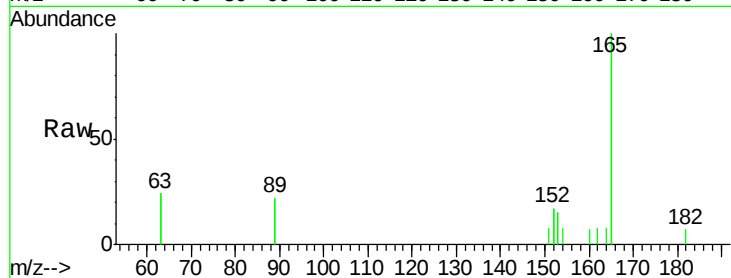
Tot Ion:165 Resp: 2478

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

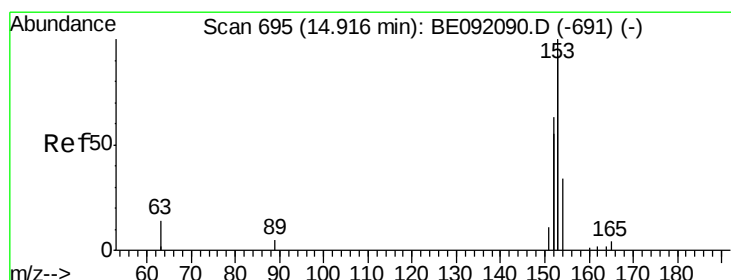
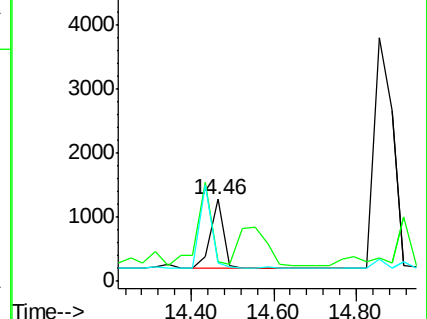
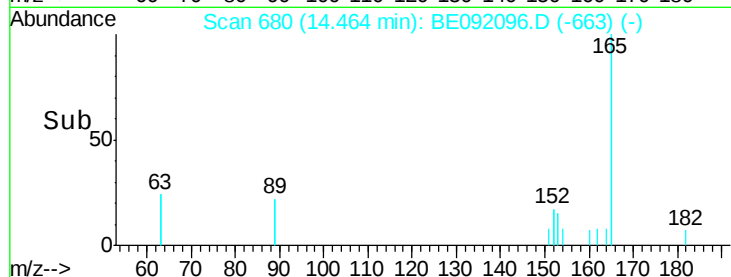
89 0.0 0.0 0.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.46 ng

RT: 14.92 min Scan# 695

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

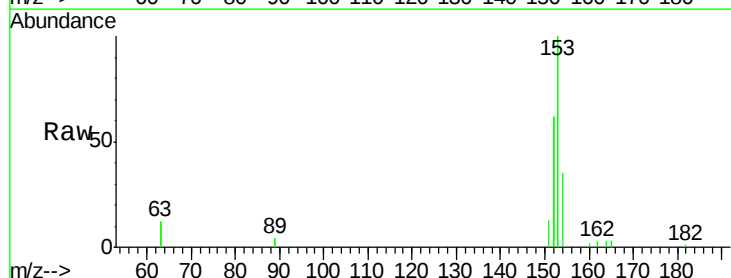
Tgt Ion:154 Resp: 3273

Ion Ratio Lower Upper

154 100

153 512.7 345.1 517.7

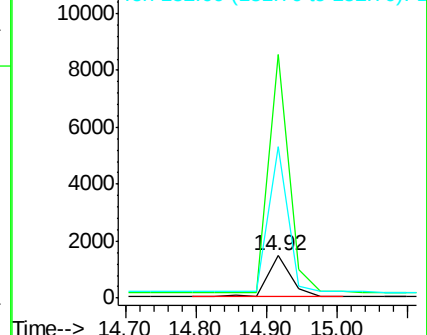
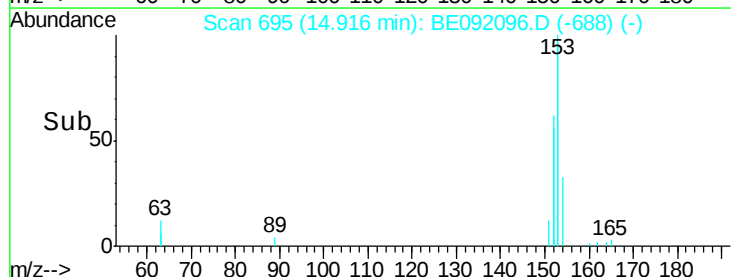
152 294.1 0.0 0.0#

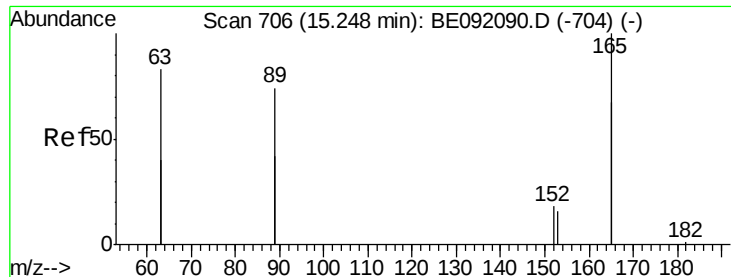


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

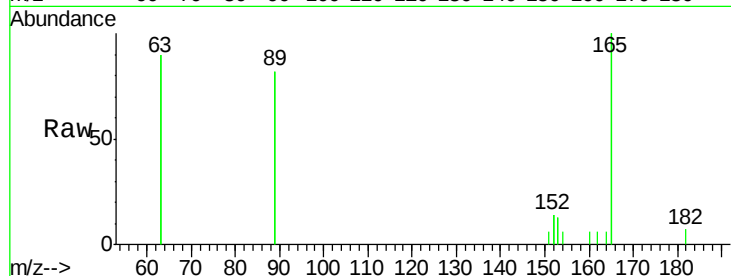




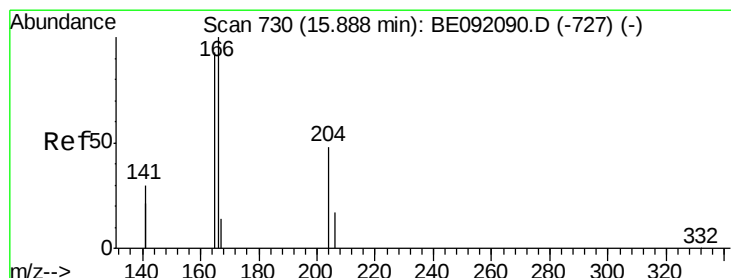
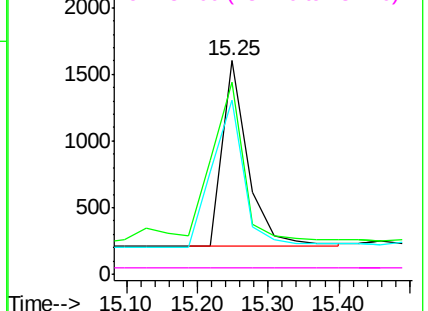
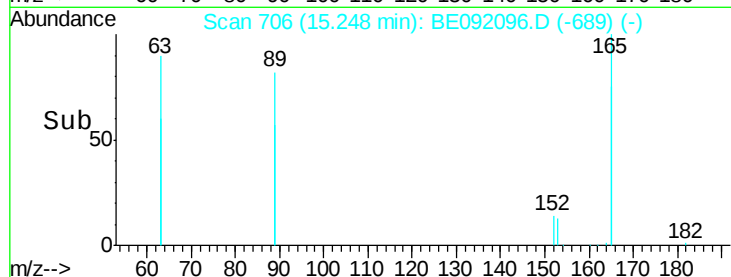
#21
2,4-Dinitrotoluene
Concen: 0.36 ng
RT: 15.25 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 3571
Ion Ratio Lower Upper
165 100
63 121.0 324.0 486.0#
89 102.2 308.4 462.6#
182 0.0 0.0 0.0

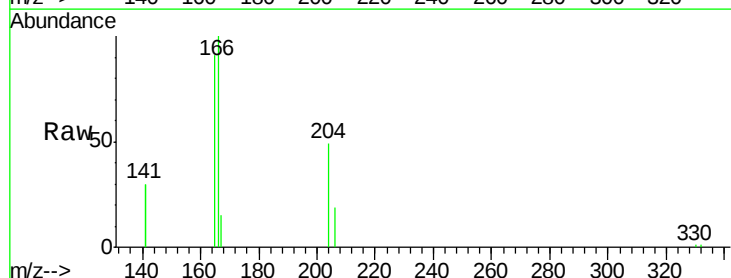


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

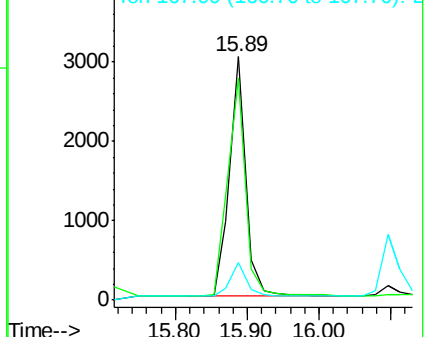
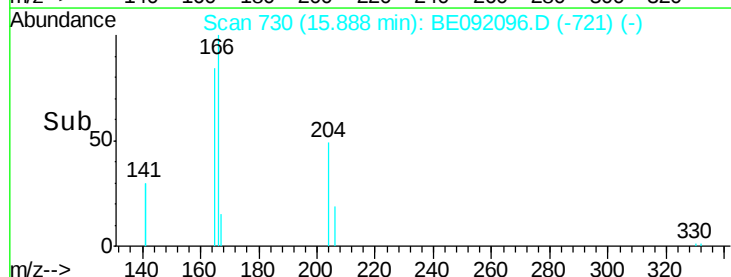


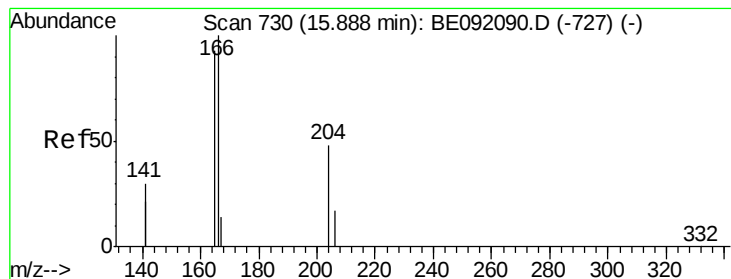
#22
Fluorene
Concen: 0.45 ng
RT: 15.89 min Scan# 730
Delta R.T. -0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Tgt Ion:166 Resp: 4759
Ion Ratio Lower Upper
166 100
165 98.8 78.6 118.0
167 13.5 11.1 16.7



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





#23

4-Chlorophenyl-phenylether

Concen: 0.72 ng

RT: 15.89 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

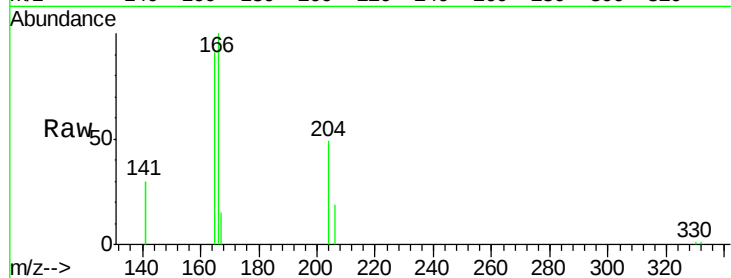
Tot Ion:204 Resp: 3926

Ion Ratio Lower Upper

204 100

206 25.3 27.0 40.4#

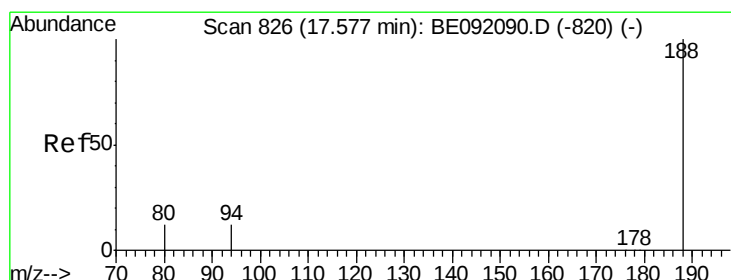
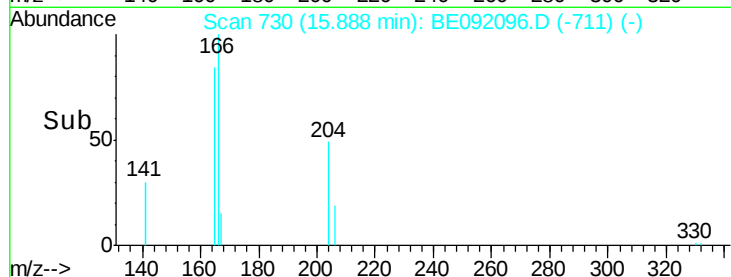
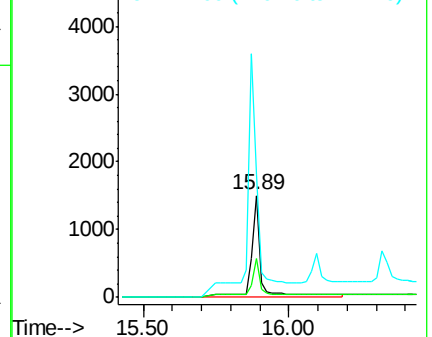
141 274.0 198.5 297.7



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

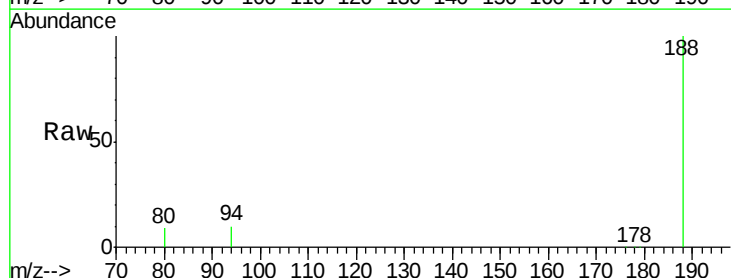
Tgt Ion:188 Resp: 90633

Ion Ratio Lower Upper

188 100

94 9.7 3.9 5.9#

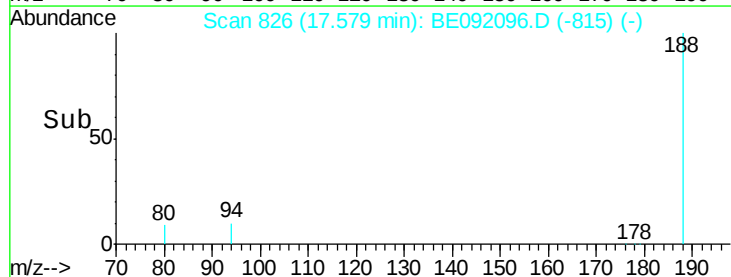
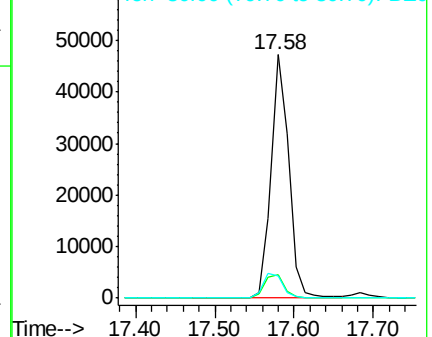
80 9.2 3.4 5.0#

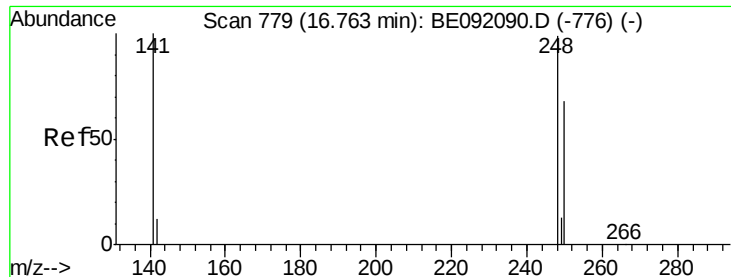


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

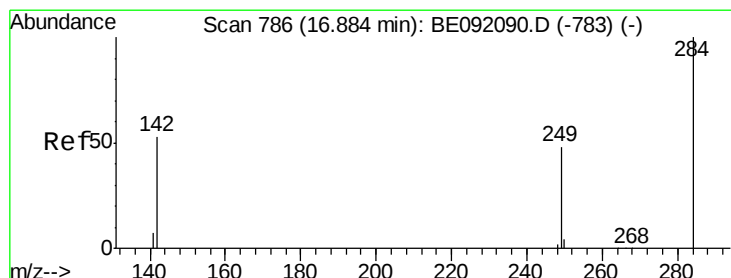
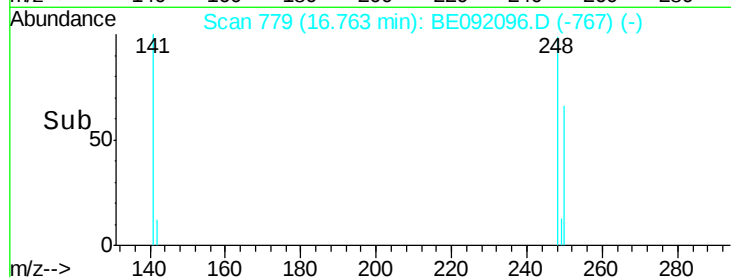
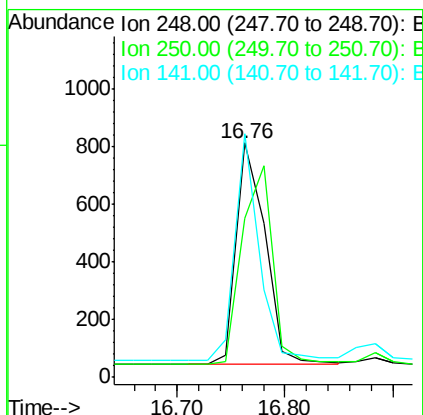
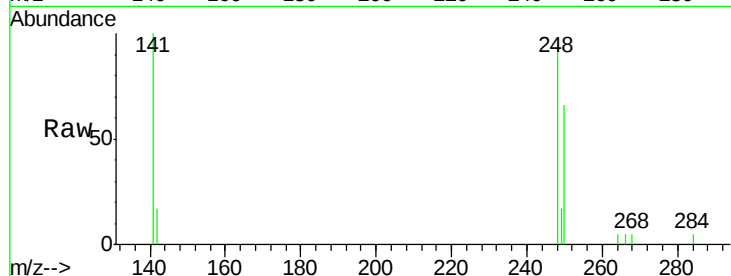




#25
4-Bromophenyl-phenylether
Concen: 0.47 ng
RT: 16.76 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

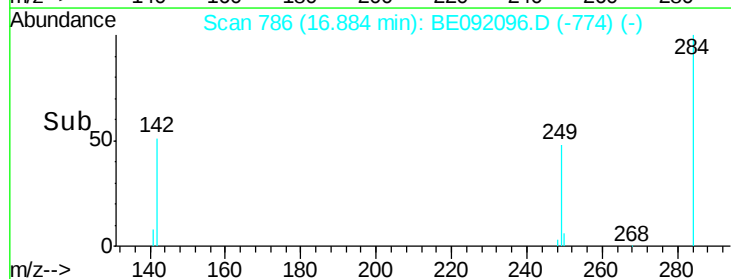
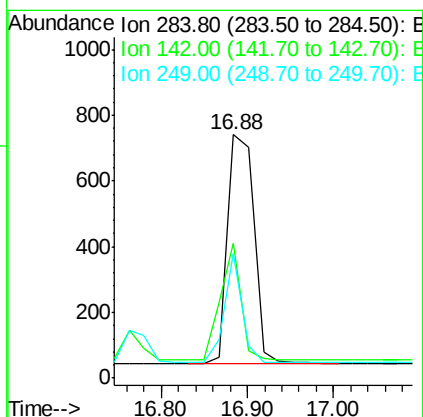
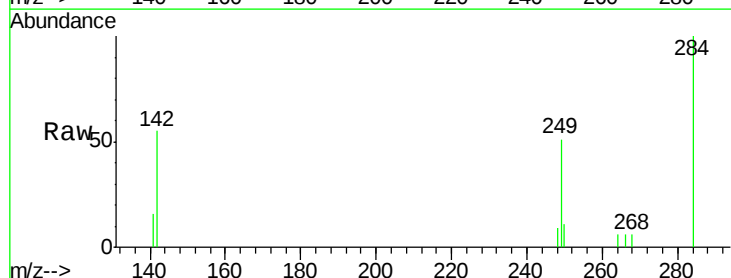
Instrument :
BNA_E
ClientSampled :

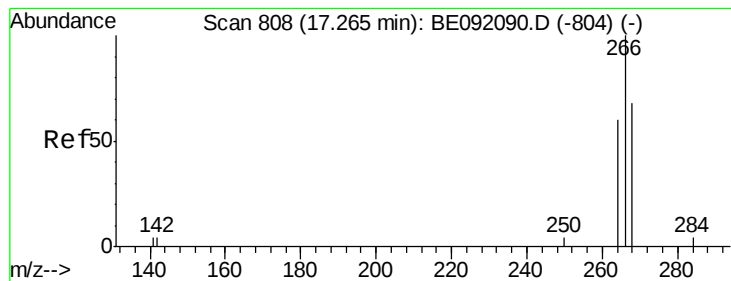
Tot Ion:248 Resp: 1424
Ion Ratio Lower Upper
248 100
250 95.3 79.6 119.4
141 85.3 68.7 103.1



#26
Hexachlorobenzene
Concen: 0.49 ng
RT: 16.88 min Scan# 786
Delta R.T. -0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Tgt Ion:284 Resp: 1475
Ion Ratio Lower Upper
284 100
142 40.3 33.3 49.9
249 32.8 25.4 38.0





#27

Pentachlorophenol

Concen: 1.31 ng

RT: 17.25 min Scan# 807

Delta R.T. -0.02 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampled :

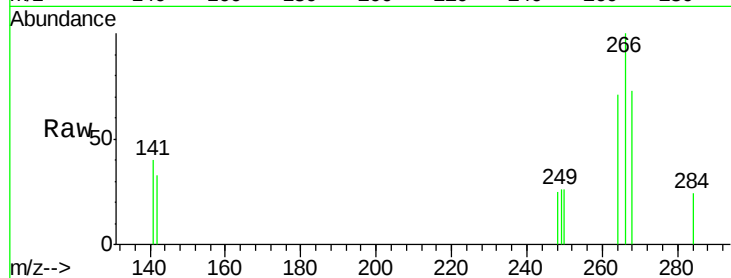
Tot Ion:266 Resp: 489

Ion Ratio Lower Upper

266 100

268 72.8 62.7 94.1

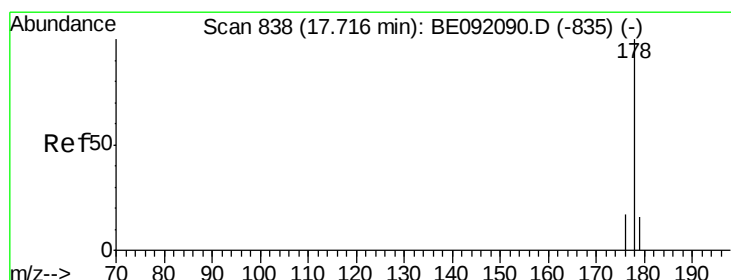
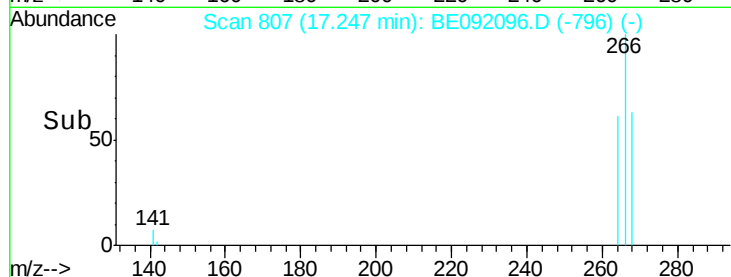
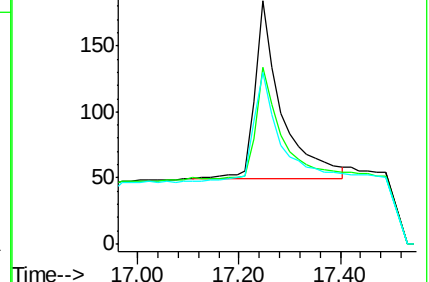
264 70.7 63.5 95.3



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: 0.33 ng

RT: 17.72 min Scan# 838

Delta R.T. 0.10 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

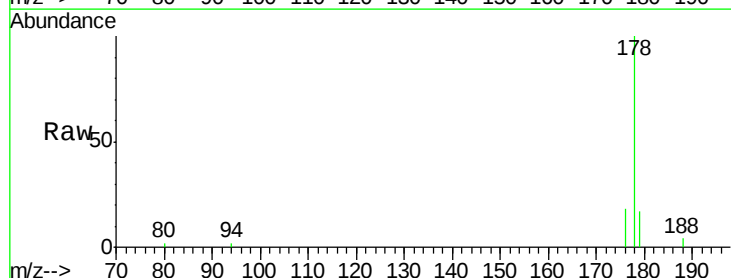
Tgt Ion:178 Resp: 8059

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

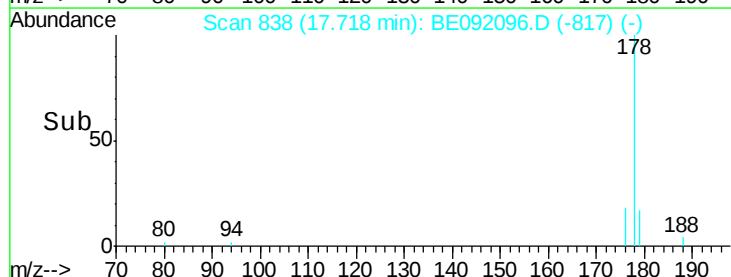
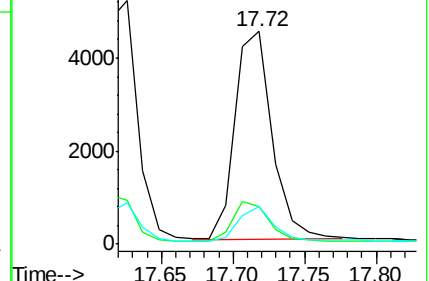
179 15.6 12.7 19.1

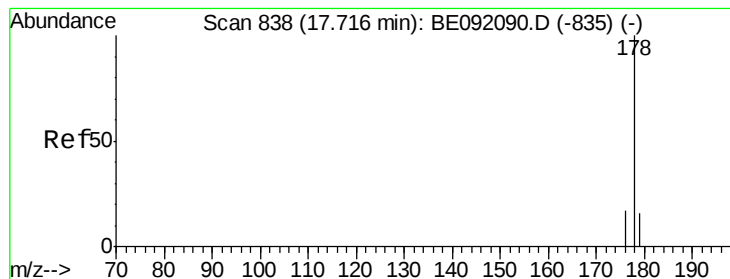


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.46 ng

RT: 17.72 min Scan# 838

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

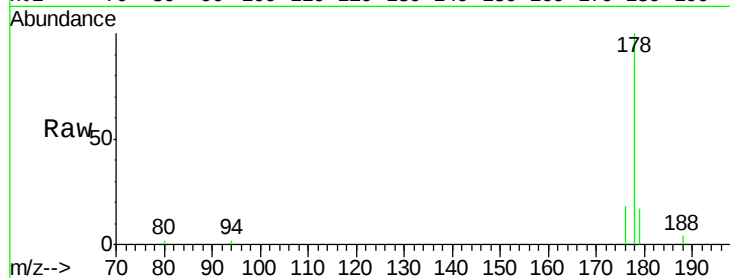
Tot Ion:178 Resp: 8364

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

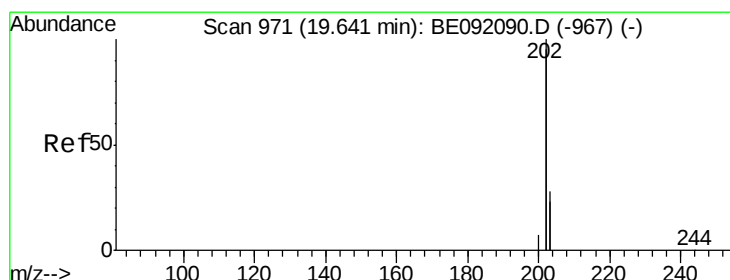
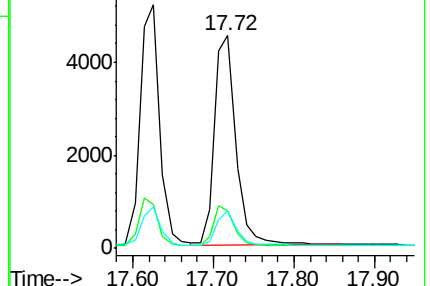
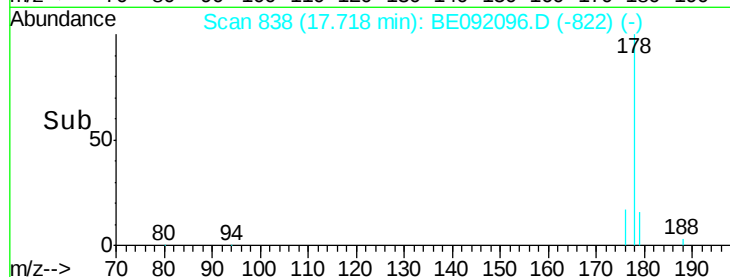
179 14.7 12.2 18.4



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: 0.49 ng

RT: 19.64 min Scan# 970

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

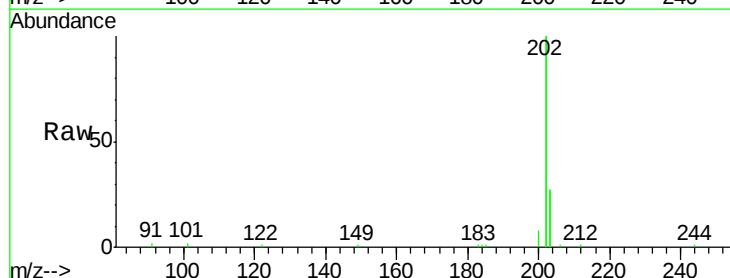
Tgt Ion:202 Resp: 34010

Ion Ratio Lower Upper

202 100

101 0.0 2.2 3.2#

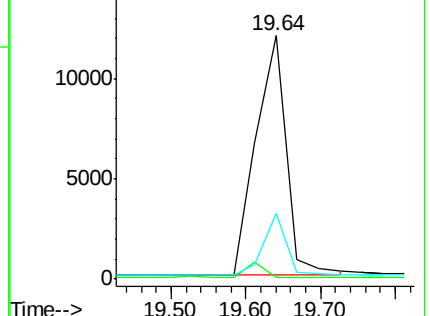
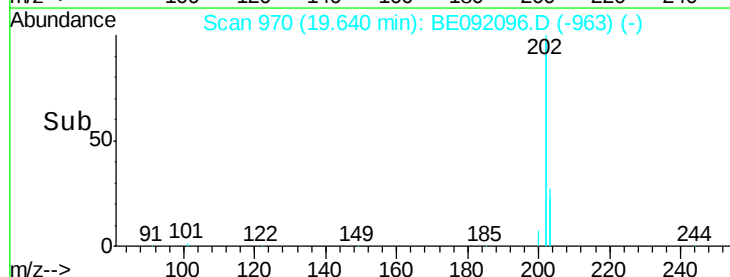
203 19.5 13.0 19.4#

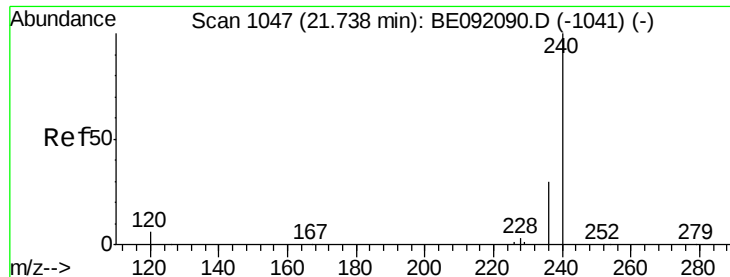


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

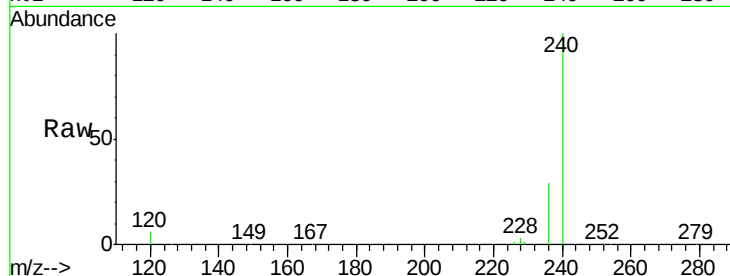




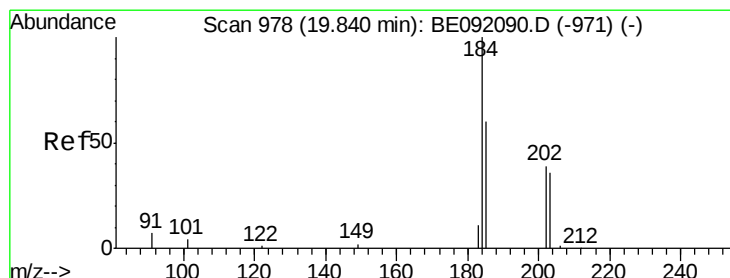
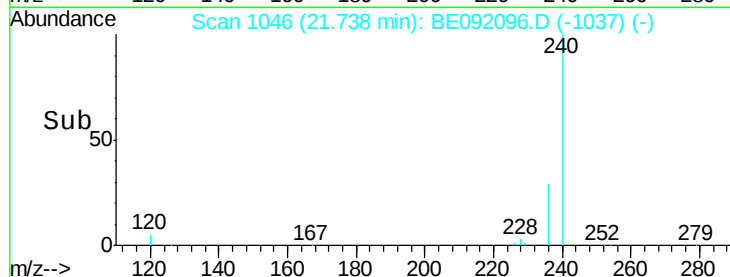
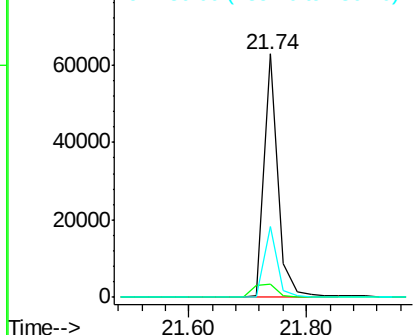
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.74 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 103821
Ion Ratio Lower Upper
240 100
120 5.6 0.6 1.0#
236 29.3 18.2 27.4#

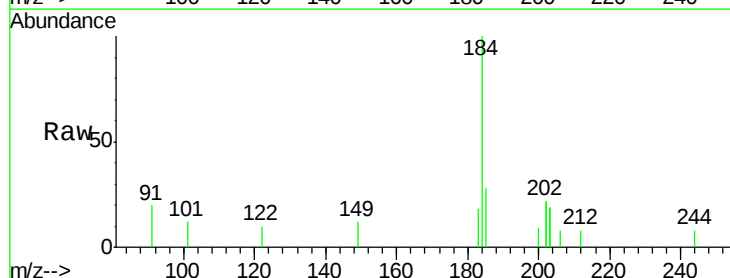


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

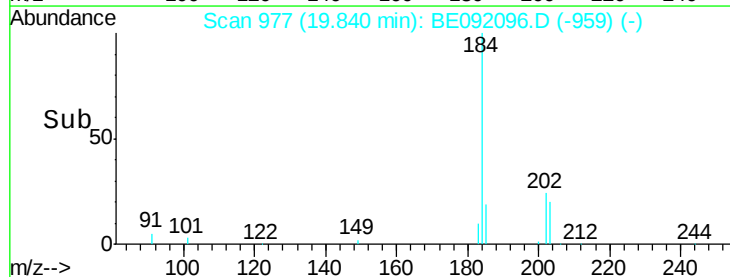
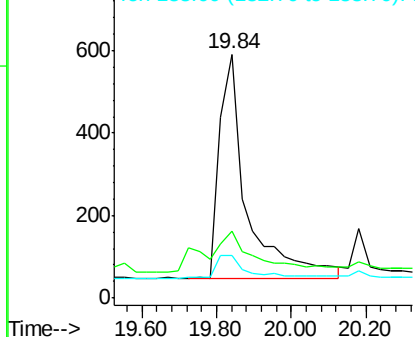


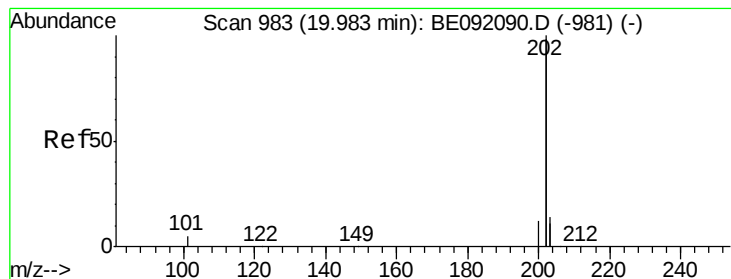
#32
Benzidine
Concen: 0.56 ng
RT: 19.84 min Scan# 977
Delta R.T. -0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Tgt Ion:184 Resp: 2756
Ion Ratio Lower Upper
184 100
185 27.6 23.8 35.6
183 17.6 20.7 31.1#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 0.43 ng

RT: 19.98 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

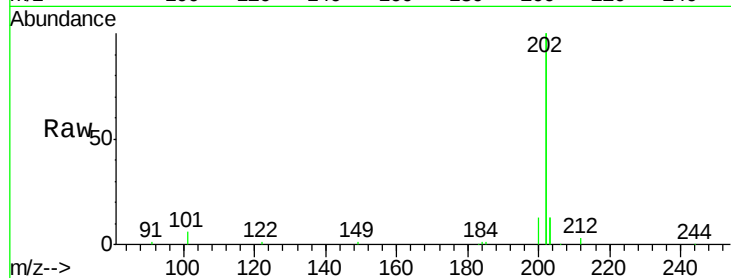
Tot Ion:202 Resp: 51055

Ion Ratio Lower Upper

202 100

200 5.8 4.4 6.6

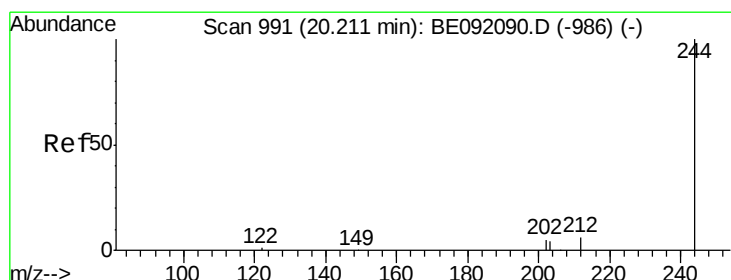
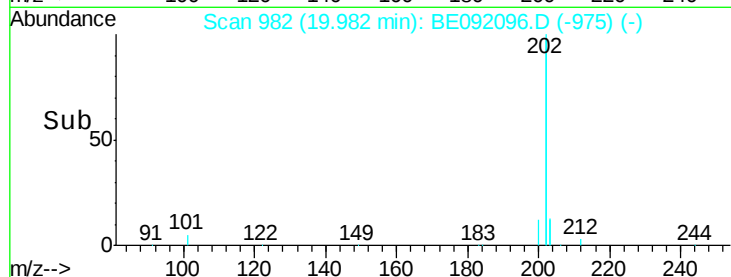
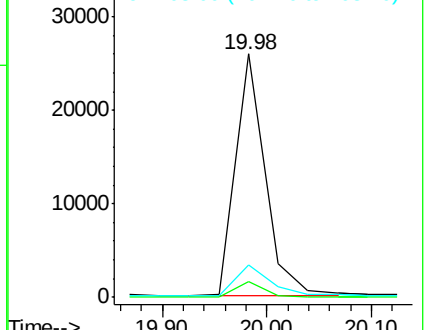
203 14.6 13.4 20.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.39 ng

RT: 20.21 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

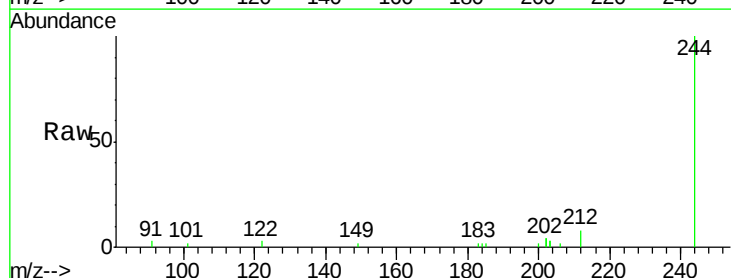
Tgt Ion:244 Resp: 7076

Ion Ratio Lower Upper

244 100

212 7.9 9.1 13.7#

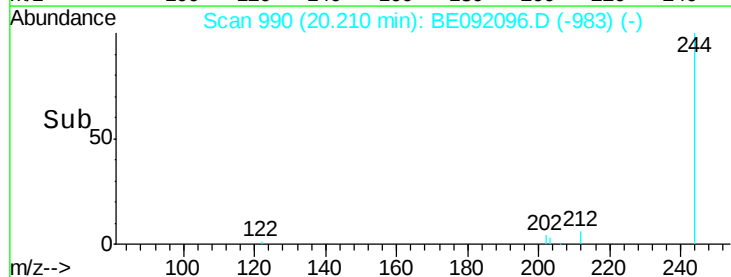
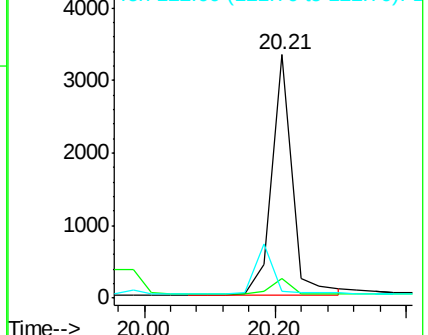
122 2.9 11.0 16.4#

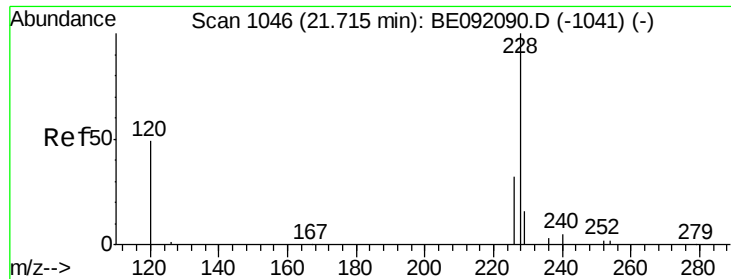


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

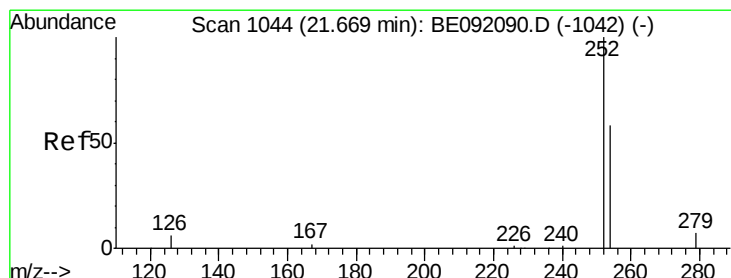
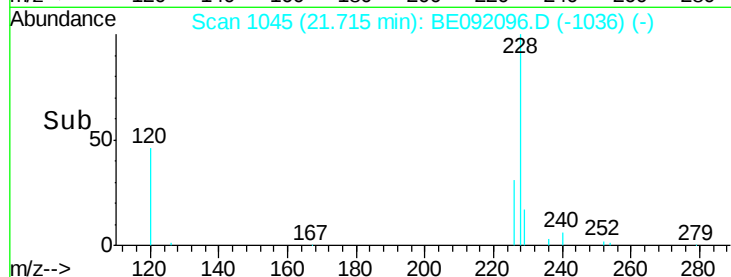
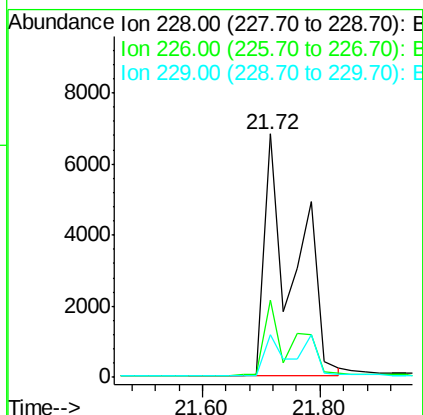
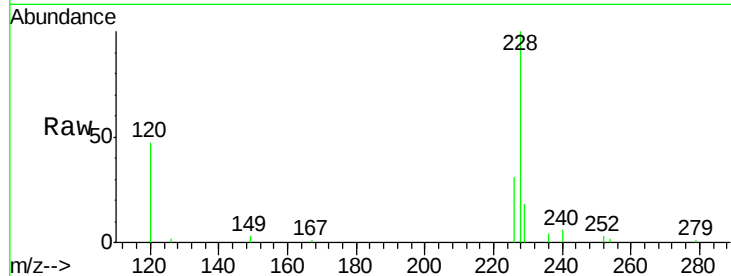




#35
Benzo(a)anthracene
Concen: 0.91 ng
RT: 21.72 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

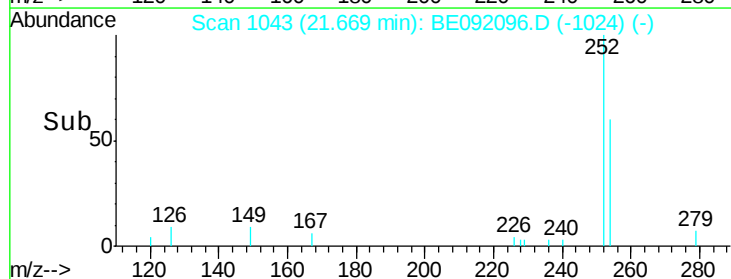
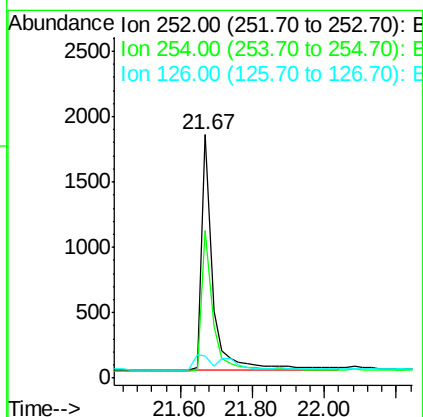
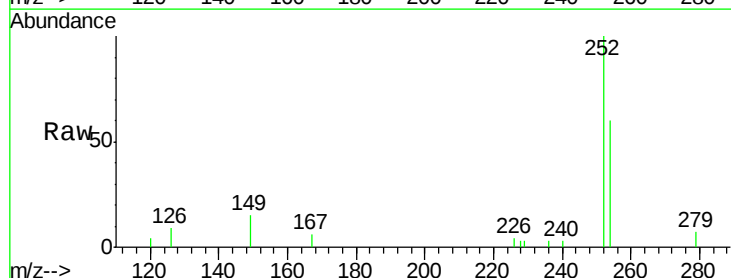
Instrument :
BNA_E
ClientSampleId :

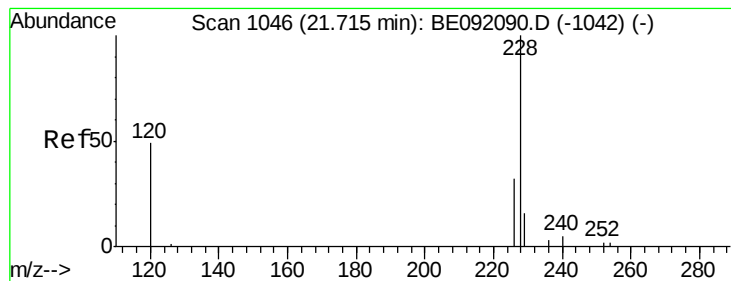
Tot Ion:228 Resp: 23747
Ion Ratio Lower Upper
228 100
226 31.5 22.1 33.1
229 17.5 15.1 22.7



#36
3,3'-Dichlorobenzidine
Concen: 0.42 ng
RT: 21.67 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE092096.D
Acq: 1 Aug 2016 16:51

Tgt Ion:252 Resp: 3946
Ion Ratio Lower Upper
252 100
254 60.5 44.2 66.2
126 9.2 10.6 15.8#





#37

Chrysene

Concen: 0.98 ng

RT: 21.72 min Scan# 1045

Delta R.T. -0.07 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

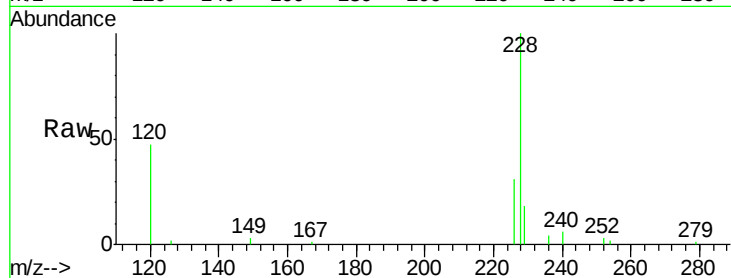
Tot Ion:228 Resp: 24156

Ion Ratio Lower Upper

228 100

226 31.5 22.3 33.5

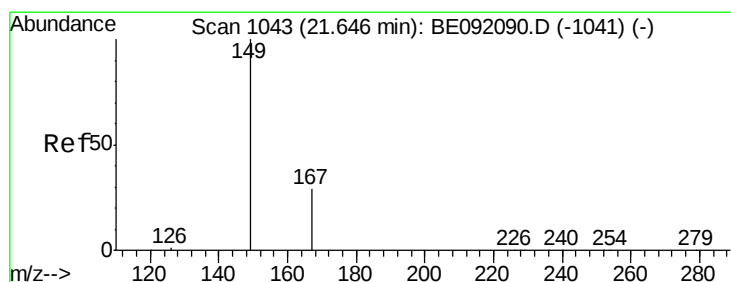
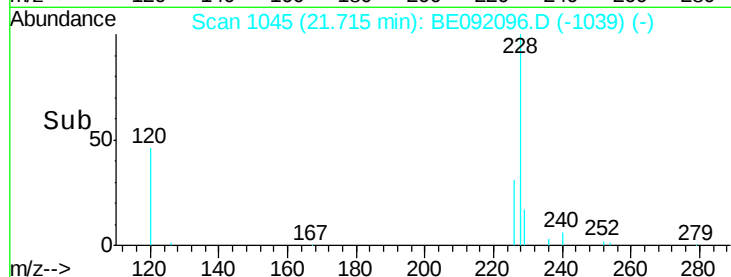
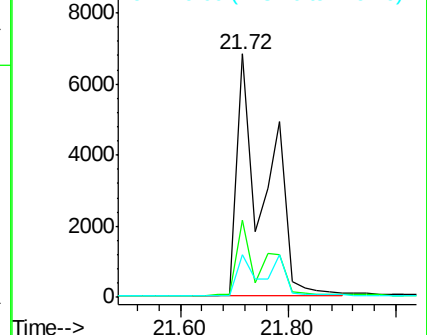
229 17.5 16.9 25.3



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: 0.36 ng

RT: 21.65 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

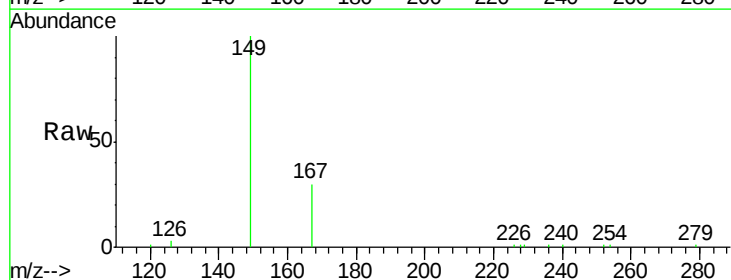
Tgt Ion:149 Resp: 9310

Ion Ratio Lower Upper

149 100

167 29.0 3.8 5.6#

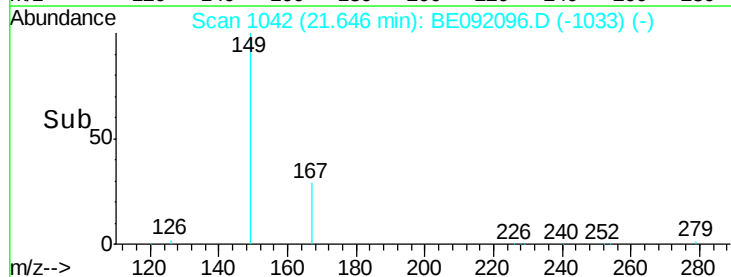
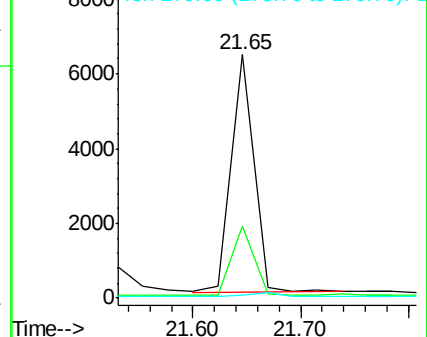
279 0.0 0.0 0.0

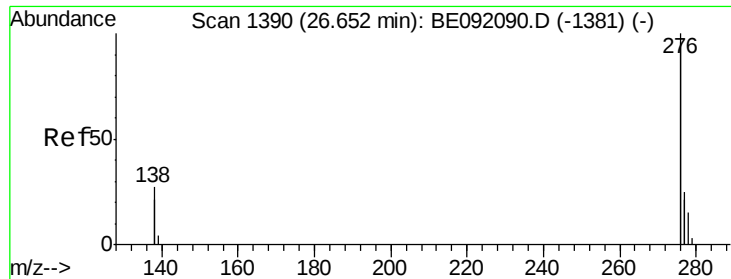


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.44 ng

RT: 26.65 min Scan# 1389

Delta R.T. -0.00 min

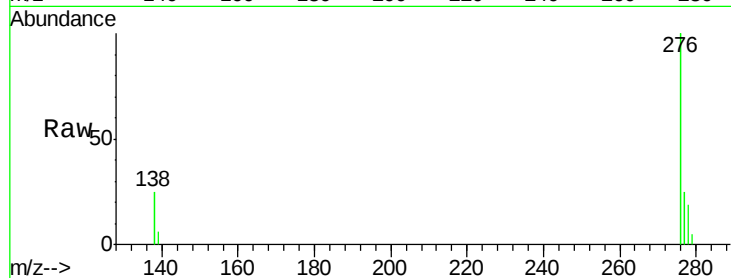
Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

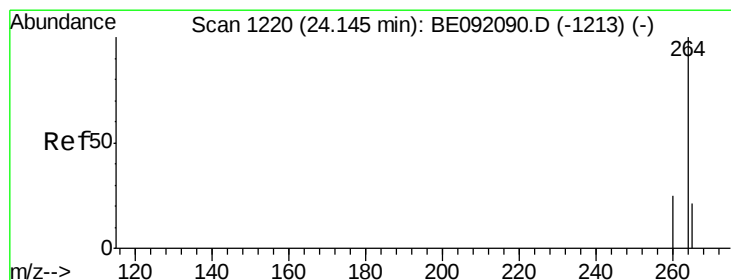
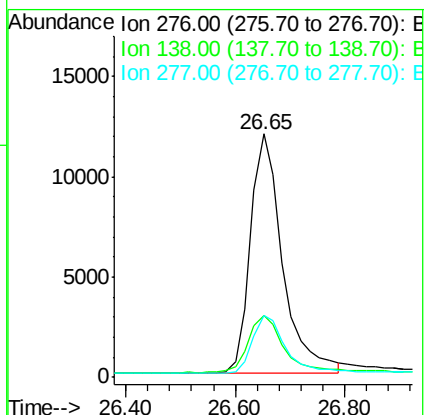
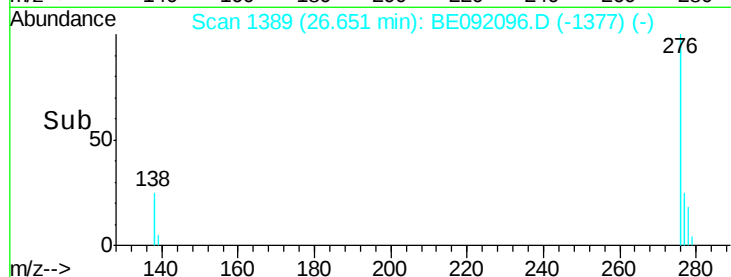
BNA_E

ClientSampleId :



Tot Ion:276 Resp: 48987

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.2	31.8
277	24.6	19.8	29.8



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1219

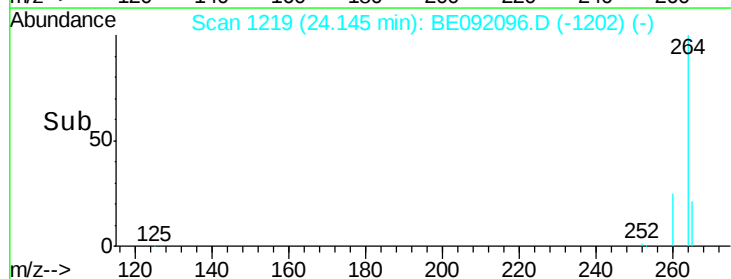
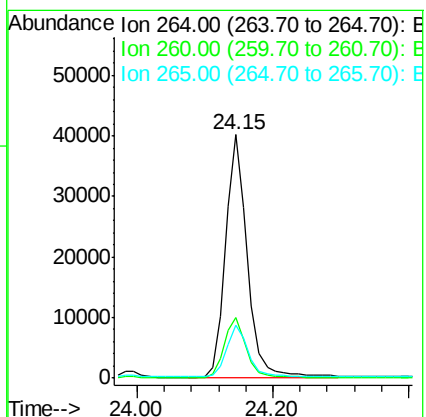
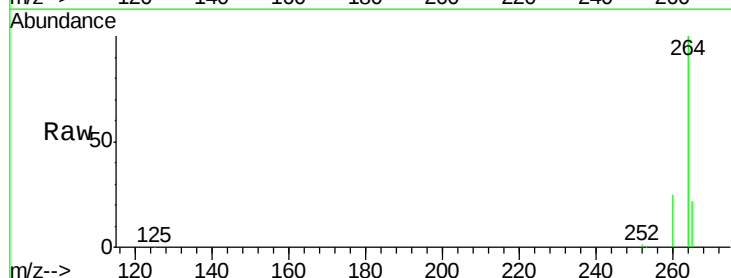
Delta R.T. -0.00 min

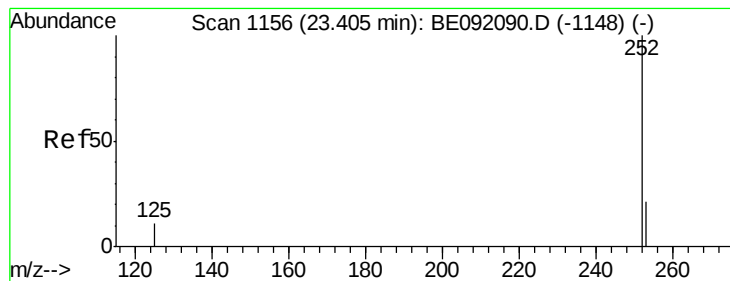
Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Tgt Ion:264 Resp: 90799

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.8	31.2
265	21.6	16.6	25.0





#41

Benzo(b)fluoranthene

Concen: 0.45 ng

RT: 23.41 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

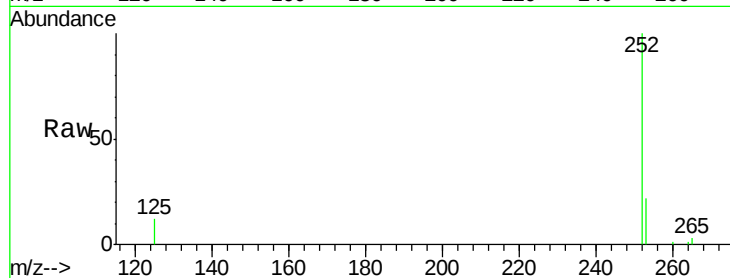
Tot Ion:252 Resp: 11425

Ion Ratio Lower Upper

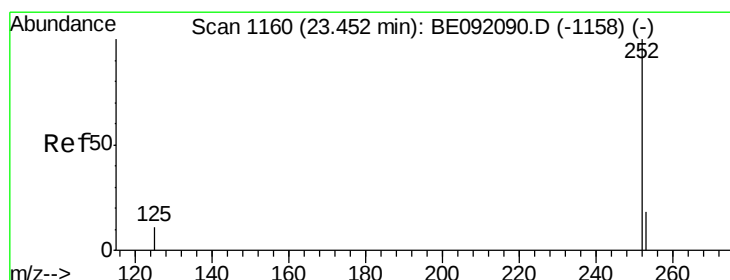
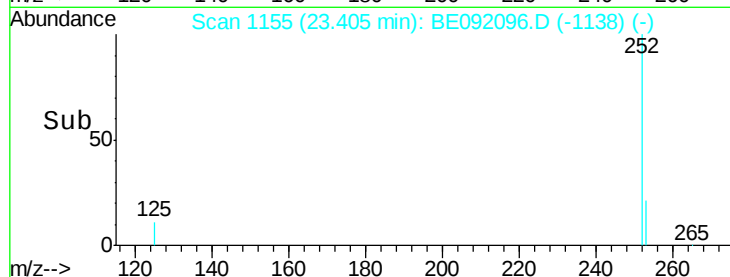
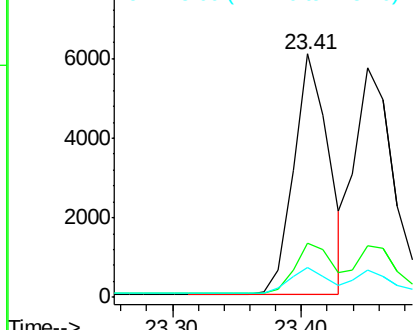
252 100

253 22.4 17.4 26.0

125 12.2 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 0.48 ng

RT: 23.45 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

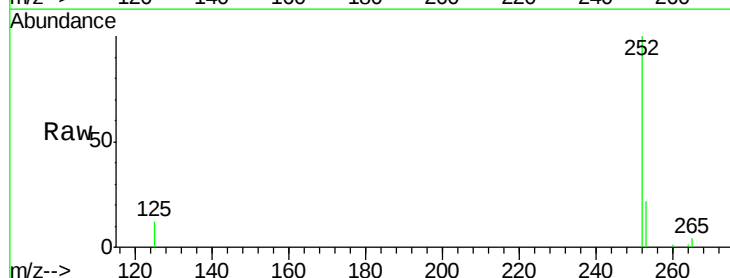
Tgt Ion:252 Resp: 12308

Ion Ratio Lower Upper

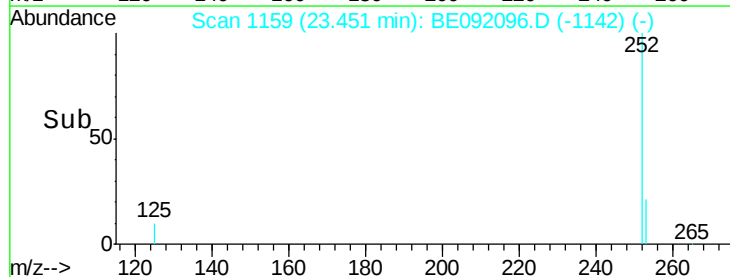
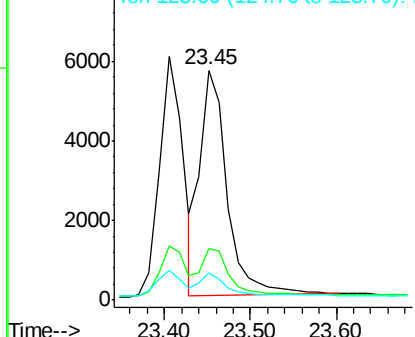
252 100

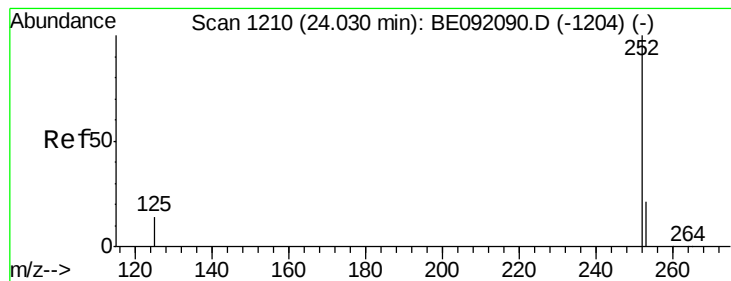
253 22.2 19.4 29.0

125 11.9 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.46 ng

RT: 24.03 min Scan# 1209

Delta R.T. -0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :

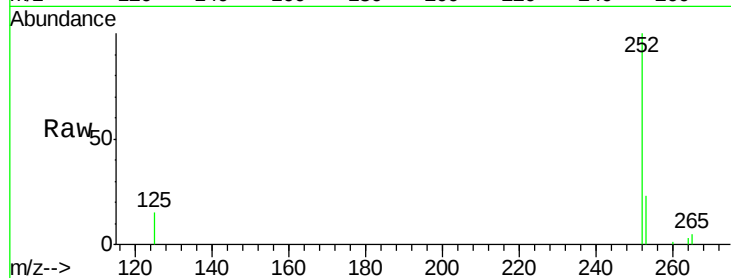
Tot Ion:252 Resp: 10789

Ion Ratio Lower Upper

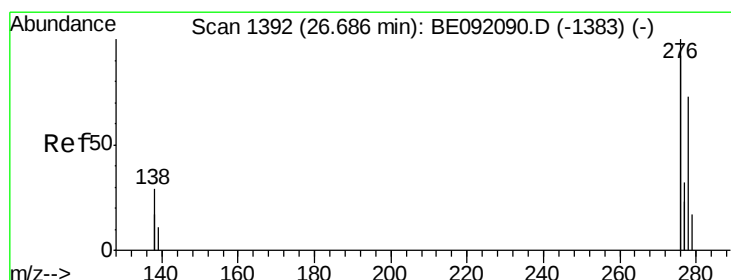
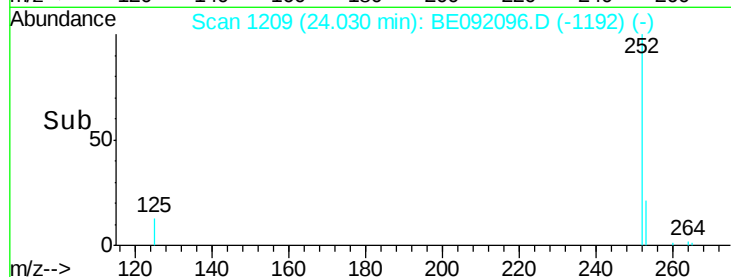
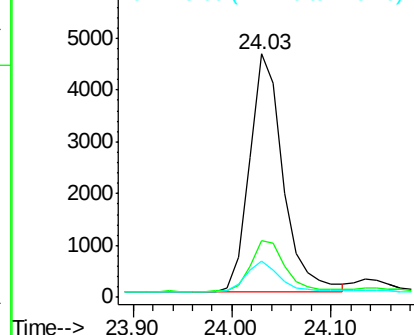
252 100

253 23.1 19.8 29.8

125 14.6 10.4 15.6



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: 0.45 ng

RT: 26.69 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

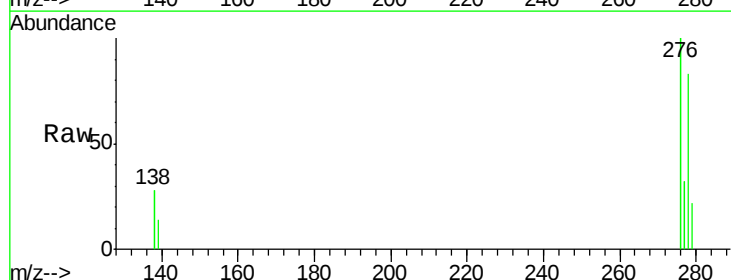
Tgt Ion:278 Resp: 9758

Ion Ratio Lower Upper

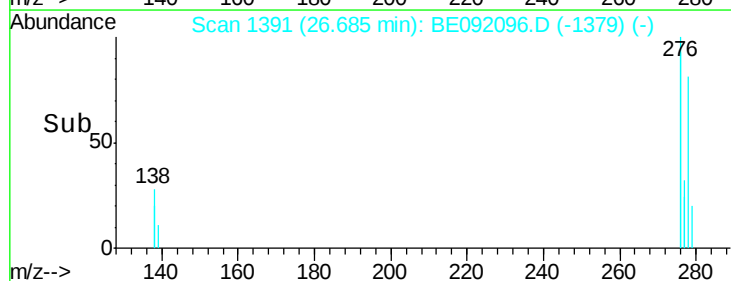
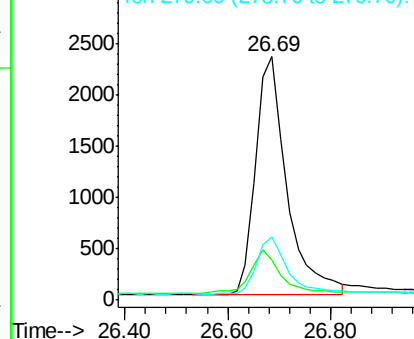
278 100

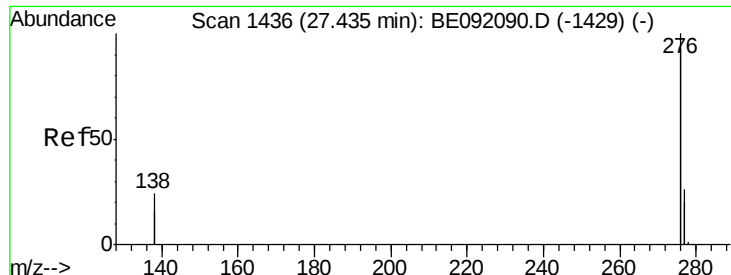
139 16.4 16.7 25.1#

279 26.1 20.3 30.5



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 0.47 ng

RT: 27.42 min Scan# 1434

Delta R.T. -0.02 min

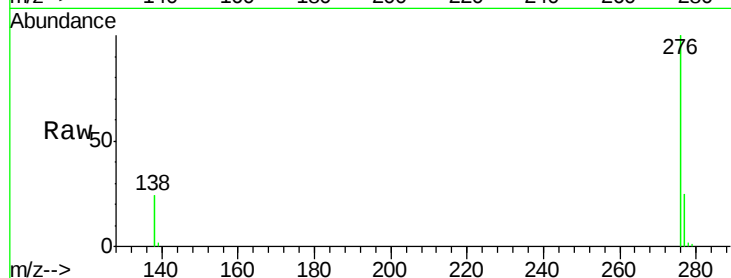
Lab File: BE092096.D

Acq: 1 Aug 2016 16:51

Instrument :

BNA_E

ClientSampleId :



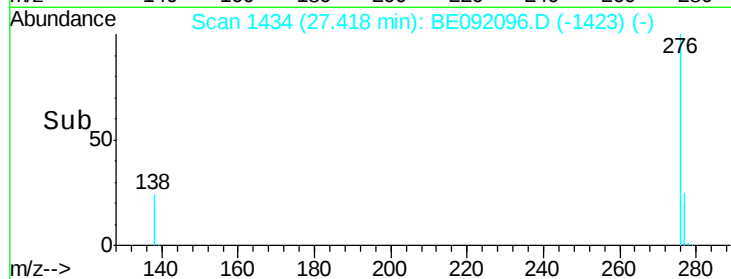
Tot Ion: 276 Resp: 42712

Ion Ratio Lower Upper

276 100

277 24.5 19.5 29.3

138 24.1 20.8 31.2



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

