

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
 Data File : BE092088.D
 Acq On : 1 Aug 2016 11:47
 Operator : UM/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 01 15:59:42 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 15:59:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	10268	5.00	ng	0.01
8) Naphthalene-d8	10.99	136	44320	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	22144	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	95490	5.00	ng	0.00
31) Chrysene-d12	21.74	240	100858	5.00	ng	0.00
40) Perylene-d12	24.14	264	95840	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	479	0.21	ng	0.02
5) Phenol-d6	7.37	99	556	0.18	ng	0.03
9) Nitrobenzene-d5	9.36	82	523	0.16	ng	0.02
16) 2,4,6-Tribromophenol	16.34	330	222	0.29	ng	0.00
17) 2-Fluorobiphenyl	13.46	172	1061	0.12	ng	0.00
34) Terphenyl-d14	20.21	244	3294	0.18	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	218	0.15	ng	# 65
3) n-Nitrosodimethylamine	3.80	42	218	0.13	ng	# 89
6) bis(2-Chloroethyl)ether	7.61	93	361	0.12	ng	# 97
7) n-Nitroso-di-n-propylamine	9.00	70	346	0.14	ng	# 91
10) Nitrobenzene	9.40	77	401	0.13	ng	# 98
11) bis(2-Chloroethoxy)methane	10.42	93	764	0.21	ng	# 82
12) Naphthalene	11.04	128	1202	0.12	ng	# 86
13) Hexachlorobutadiene	11.34	225	196	0.13	ng	# 99
14) 2-Methylnaphthalene	12.65	142	775	0.12	ng	# 87
18) Acenaphthylene	14.58	152	5966	0.10	ng	# 95
19) 2,6-Dinitrotoluene	14.46	165	673	0.11	ng	# 100
20) Acenaphthene	14.92	154	829	0.14	ng	# 85
21) 2,4-Dinitrotoluene	15.25	165	1038	0.14	ng	# 1
22) Fluorene	15.89	166	1218	0.13	ng	# 98
23) 4-Chlorophenyl-phenylether	15.89	204	1658	0.36	ng	# 52
25) 4-Bromophenyl-phenylether	16.76	248	371	0.09	ng	# 97
26) Hexachlorobenzene	16.90	284	374	0.09	ng	# 96
27) Pentachlorophenol	17.25	266	183	0.16	ng	# 98
28) Phenanthrene	17.72	178	2184	0.09	ng	# 95
29) Anthracene	17.72	178	2225	0.10	ng	# 99
30) Fluoranthene	19.64	202	10023	0.09	ng	# 91
32) Benzidine	19.84	184	311	0.06	ng	# 1
33) Pyrene	19.98	202	13912	0.11	ng	# 96
35) Benzo(a)anthracene	21.71	228	6834	0.14	ng	# 92
36) 3,3'-Dichlorobenzidine	21.67	252	822	0.09	ng	# 87
37) Chrysene	21.71	228	6954	0.17	ng	# 91
38) Bis(2-ethylhexyl)phthalate	21.65	149	4376	0.05	ng	# 34
39) Indeno(1,2,3-cd)pyrene	26.67	276	13653	0.12	ng	# 98
41) Benzo(b)fluoranthene	23.42	252	3754	0.13	ng	# 82
42) Benzo(k)fluoranthene	23.46	252	3229	0.11	ng	# 87
43) Benzo(a)pyrene	24.04	252	2875	0.12	ng	# 77
44) Dibenzo(a,h)anthracene	26.68	278	2802	0.13	ng	# 84
45) Benzo(a,h,i)perylene	27.43	276	11630	0.13	ng	# 88

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QLast Update : Mon Aug 01 15:59:13 2016
Response via : Initial Calibration

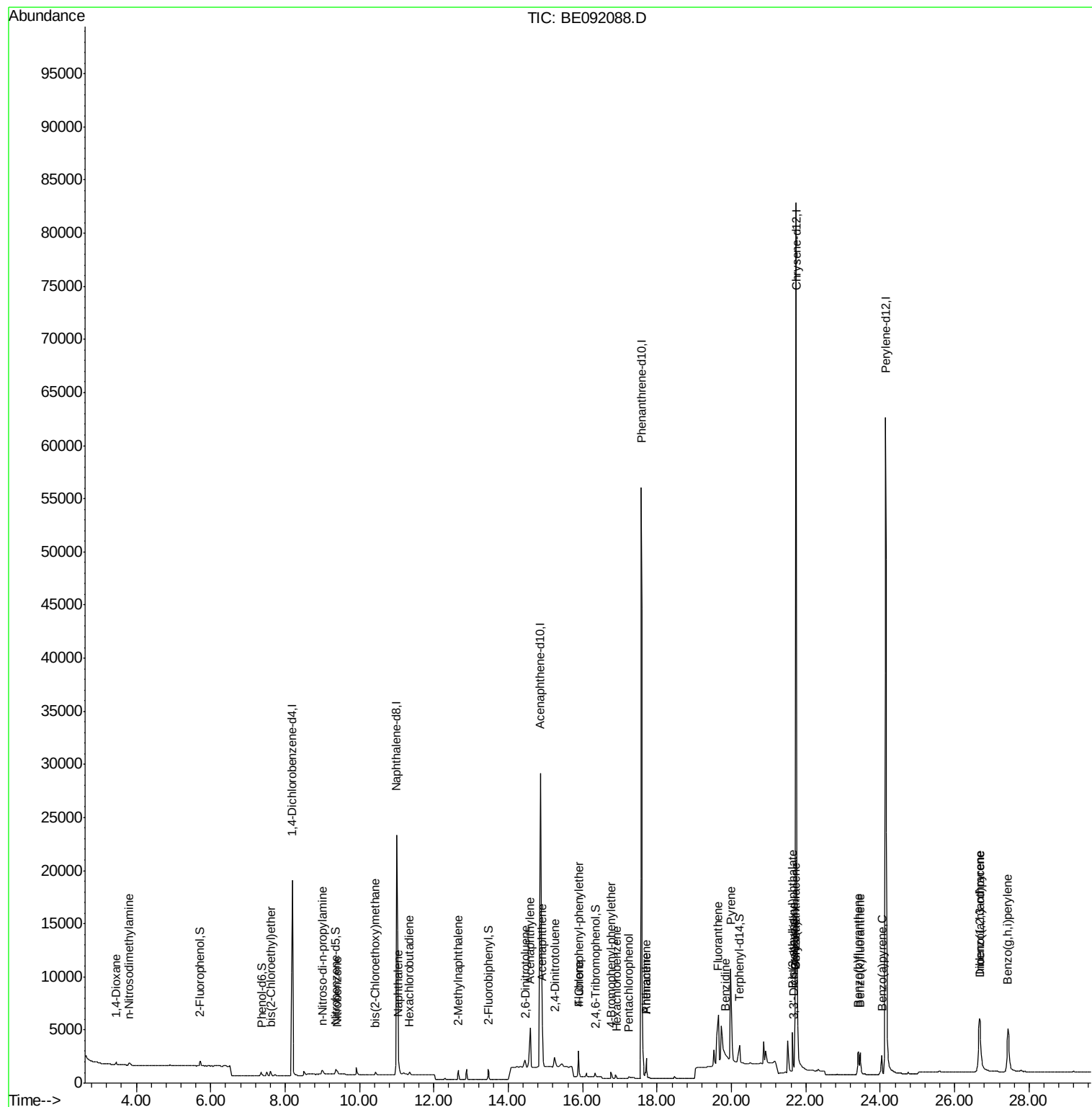
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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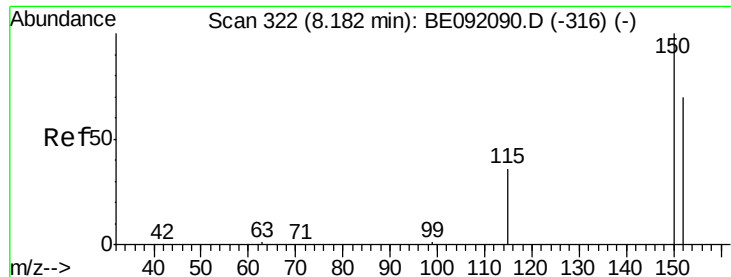
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 322

Delta R.T. 0.01 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampled :

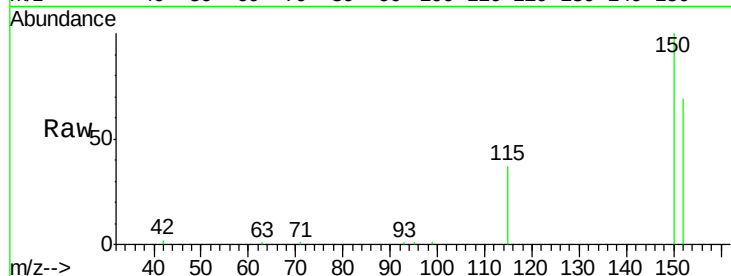
Tot Ion:152 Resp: 10268

Ion Ratio Lower Upper

152 100

150 145.8 106.0 159.0

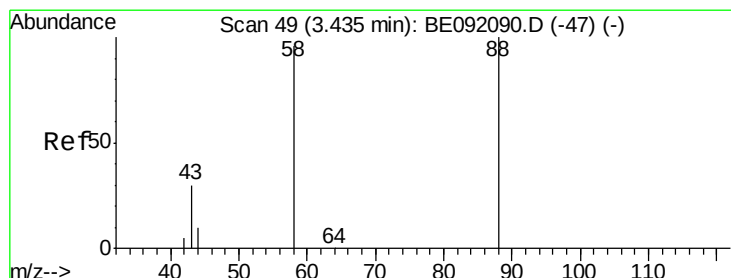
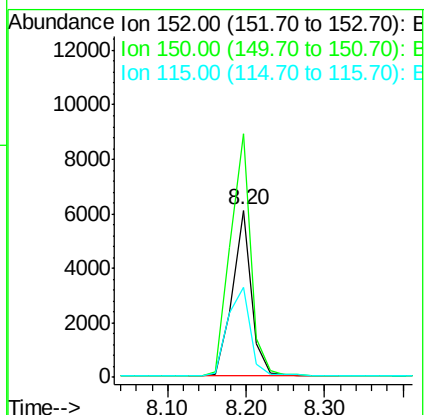
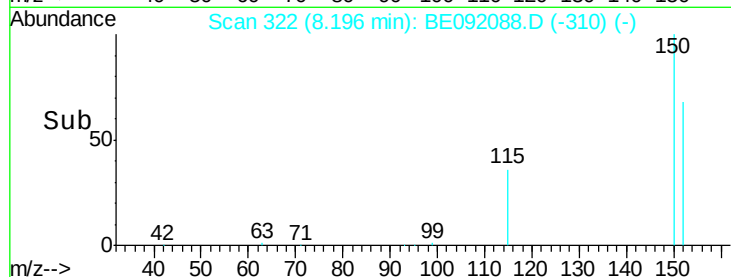
115 53.8 36.9 55.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.15 ng

RT: 3.45 min Scan# 49

Delta R.T. 0.02 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

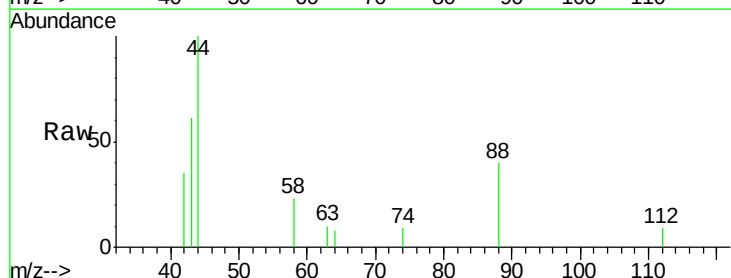
Tgt Ion: 88 Resp: 218

Ion Ratio Lower Upper

88 100

58 67.9 62.1 93.1

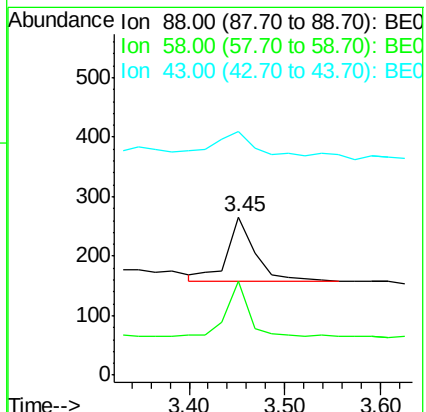
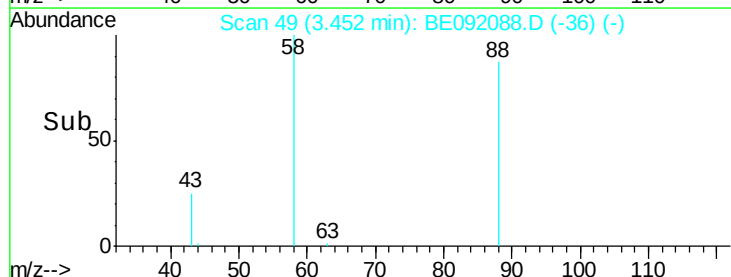
43 84.9 27.2 40.8#

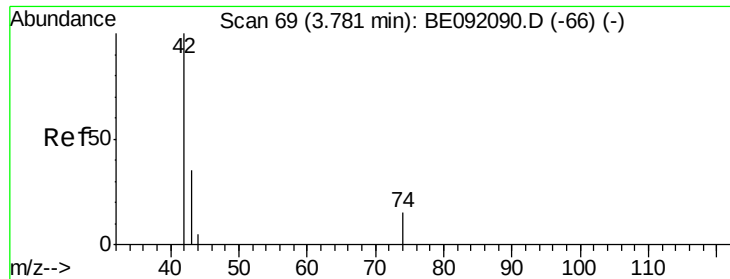


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.80 min Scan# 69

Delta R.T. 0.02 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampled :

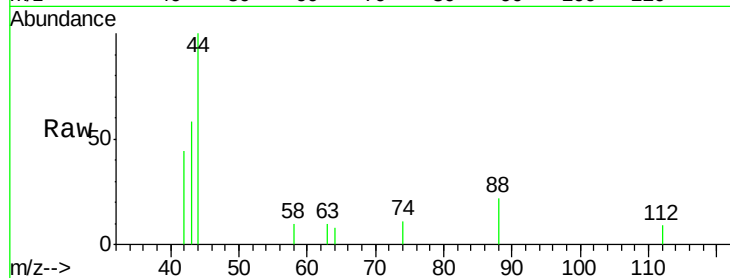
Tot Ion: 42 Resp: 218

Ion Ratio Lower Upper

42 100

74 106.9 82.8 124.2

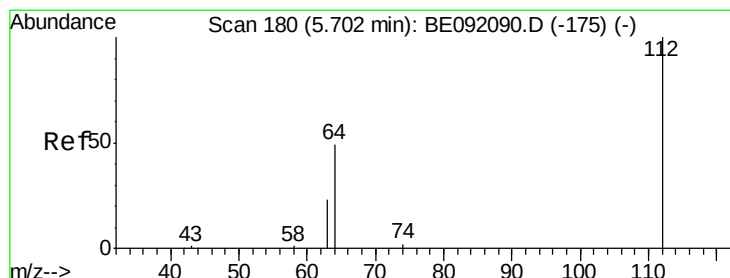
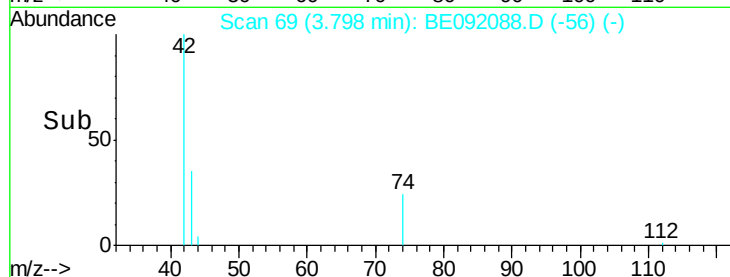
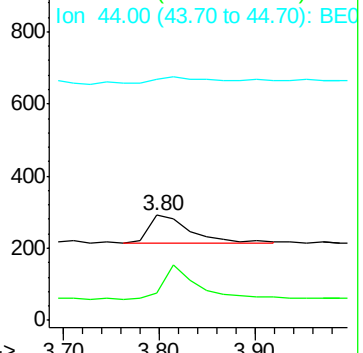
44 41.7 9.0 13.4#



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: 0.21 ng

RT: 5.72 min Scan# 180

Delta R.T. 0.02 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

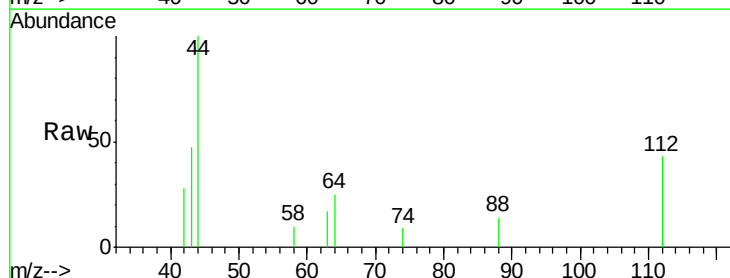
Tgt Ion: 112 Resp: 479

Ion Ratio Lower Upper

112 100

64 66.4 55.9 83.9

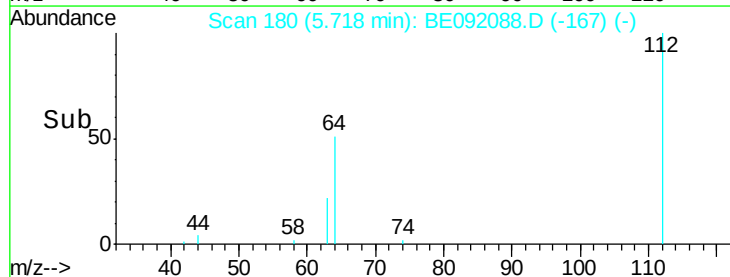
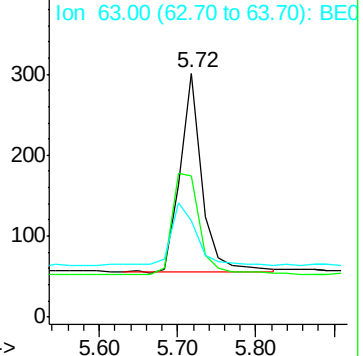
63 36.3 31.1 46.7

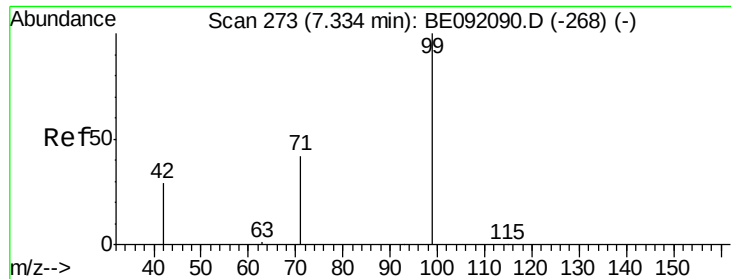


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.18 ng

RT: 7.37 min Scan# 274

Delta R.T. 0.03 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampled :

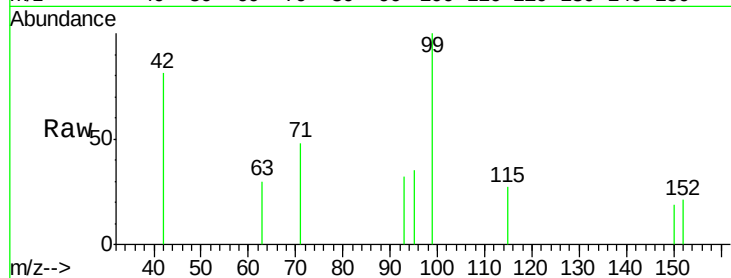
Tot Ion: 99 Resp: 556

Ion Ratio Lower Upper

99 100

42 26.8 22.4 33.6

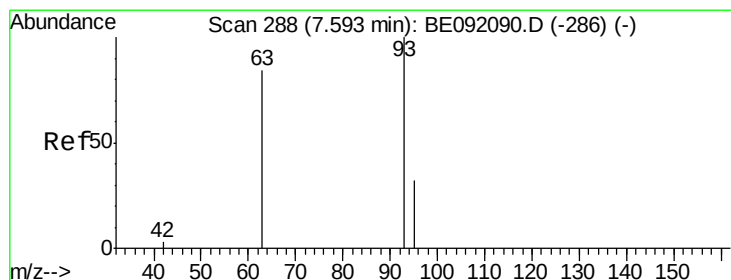
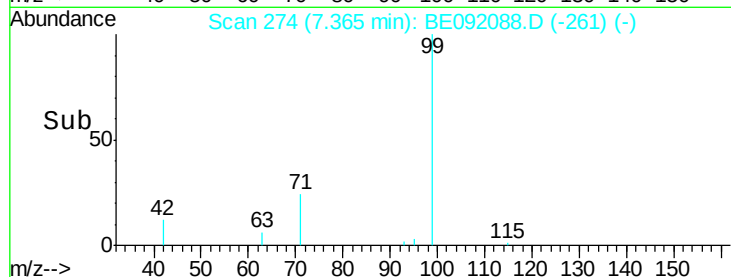
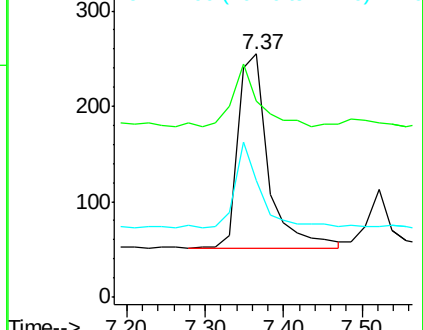
71 37.8 28.9 43.3



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



#6

bis(2-Chloroethyl)ether

Concen: 0.12 ng

RT: 7.61 min Scan# 288

Delta R.T. 0.01 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

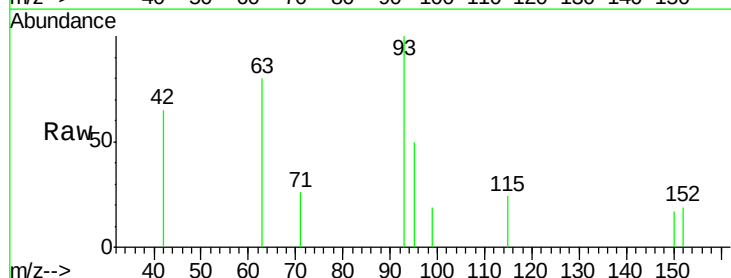
Tgt Ion: 93 Resp: 361

Ion Ratio Lower Upper

93 100

63 78.1 64.4 96.6

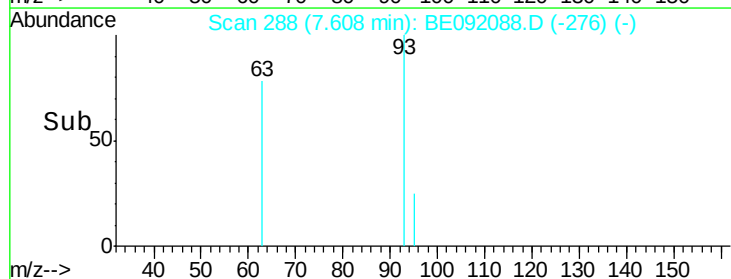
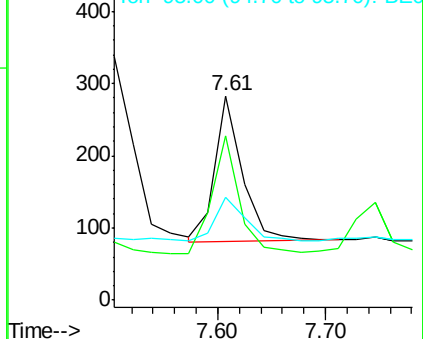
95 30.5 25.8 38.8

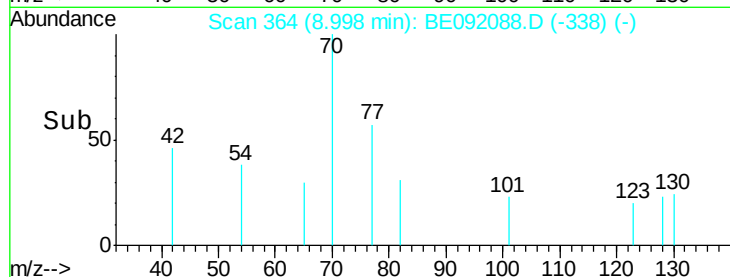
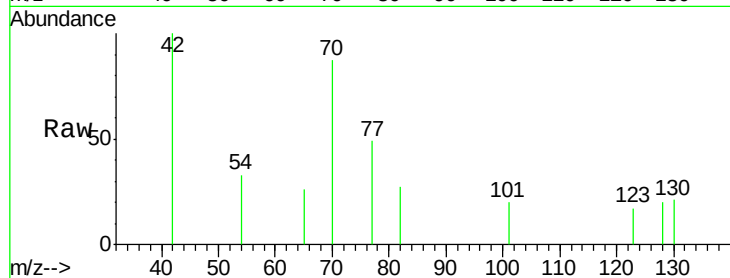
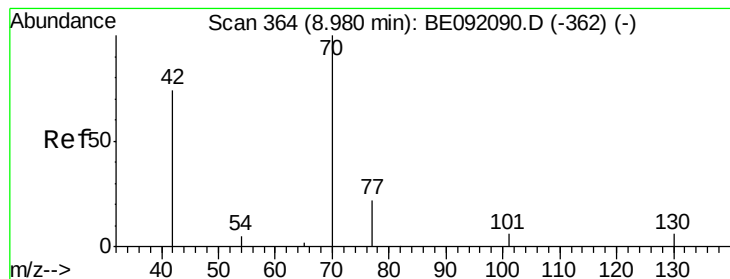


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.14 ng

RT: 9.00 min Scan# 364

Delta R.T. 0.02 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

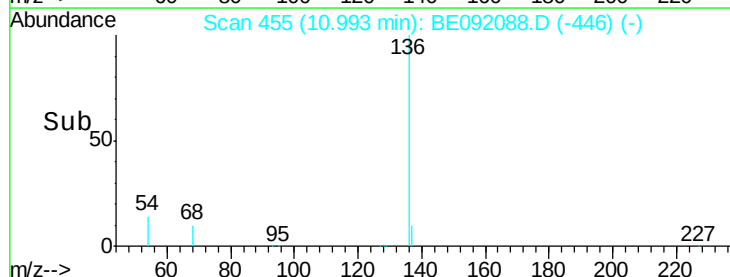
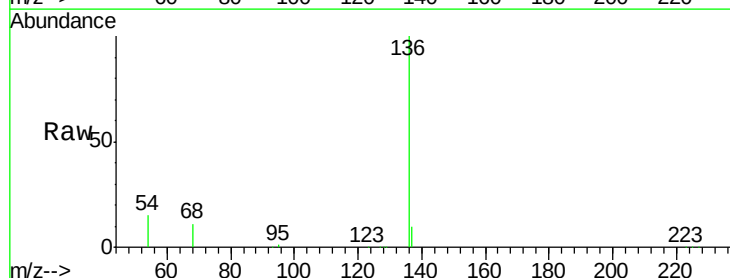
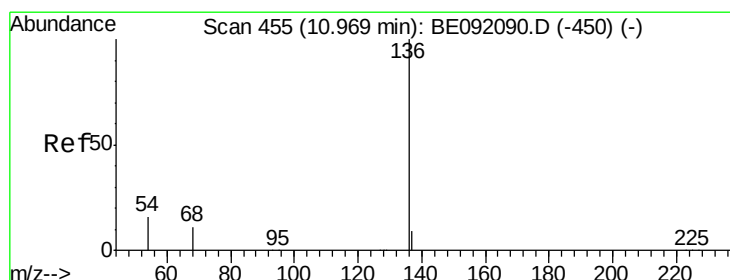
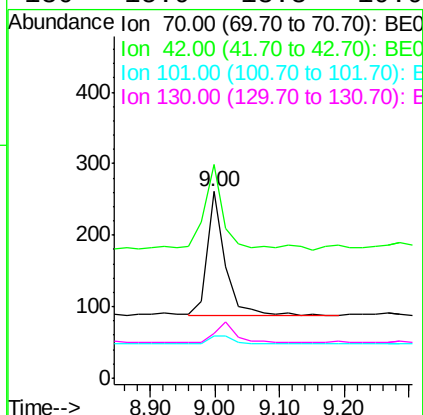
BNA_E

ClientSampled :

Tot Ion: 70 Resp: 346

Ion Ratio Lower Upper

70	100		
42	83.2	60.2	90.4
101	0.0	6.8	10.2#
130	15.9	13.3	19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 455

Delta R.T. 0.02 min

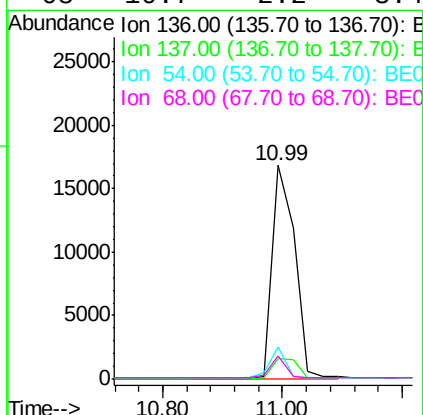
Lab File: BE092088.D

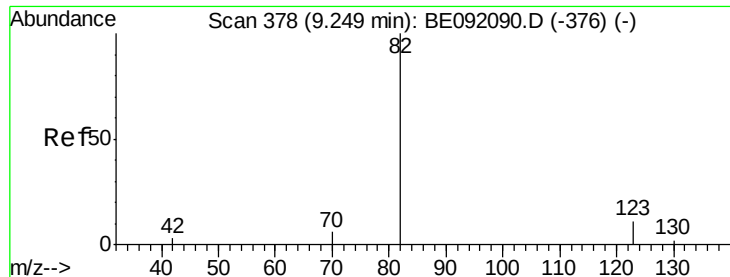
Acq: 1 Aug 2016 11:47

Tgt Ion: 136 Resp: 44320

Ion Ratio Lower Upper

136	100		
137	9.8	9.1	13.7
54	14.8	2.7	4.1#
68	10.7	2.2	3.4#





#9

Nitrobenzene-d5

Concen: 0.16 ng

RT: 9.36 min Scan# 383

Delta R.T. 0.02 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

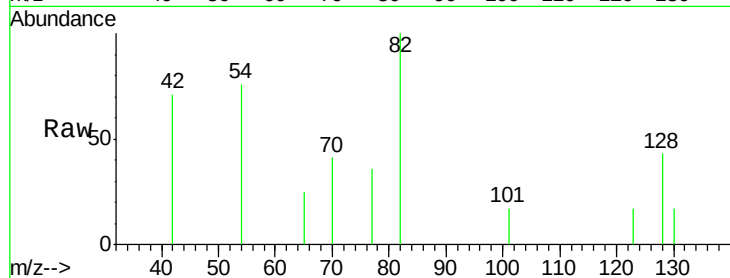
Tot Ion: 82 Resp: 523

Ion Ratio Lower Upper

82 100

128 42.8 33.0 49.4

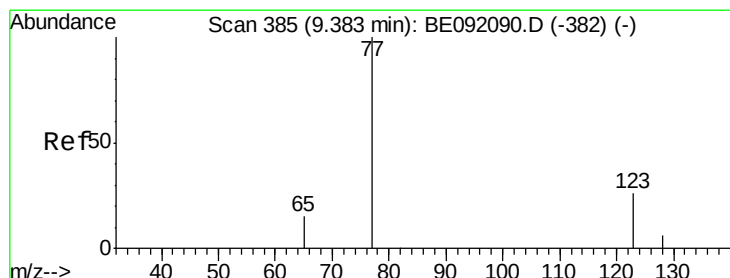
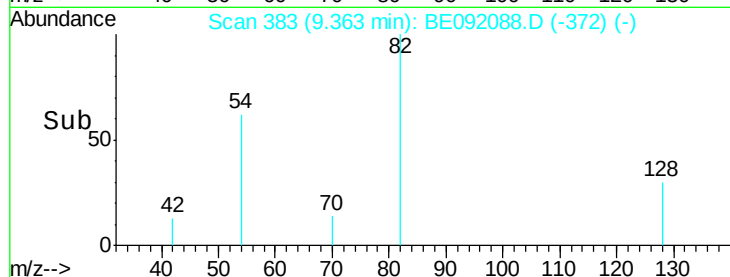
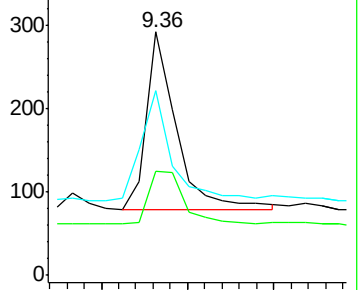
54 76.0 42.6 63.8#



Abundance Ion 82.00 (81.70 to 82.70): BE092090.D (-376) (-)

Ion 128.00 (127.70 to 128.70): BE092090.D (-376) (-)

Ion 54.00 (53.70 to 54.70): BE092090.D (-376) (-)



#10

Nitrobenzene

Concen: 0.13 ng

RT: 9.40 min Scan# 385

Delta R.T. 0.02 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

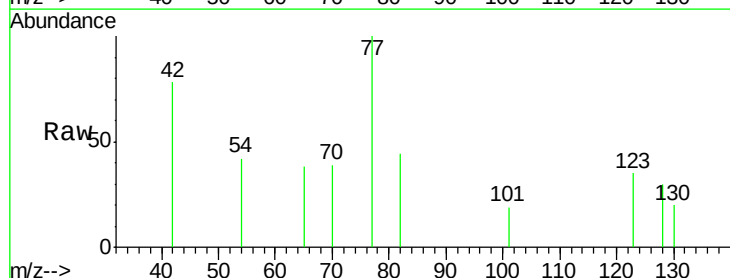
Tgt Ion: 77 Resp: 401

Ion Ratio Lower Upper

77 100

123 37.7 29.9 44.9

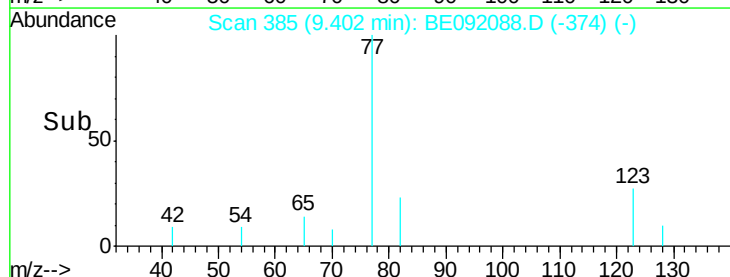
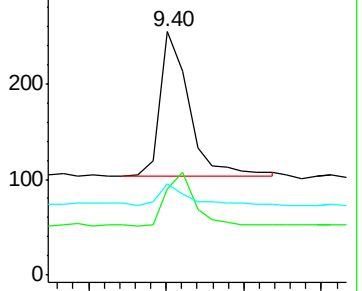
65 17.0 11.4 17.0

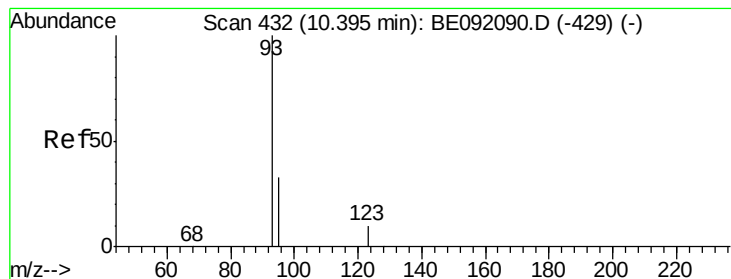


Abundance Ion 77.00 (76.70 to 77.70): BE092090.D (-382) (-)

Ion 123.00 (122.70 to 123.70): BE092090.D (-382) (-)

Ion 65.00 (64.70 to 65.70): BE092090.D (-382) (-)

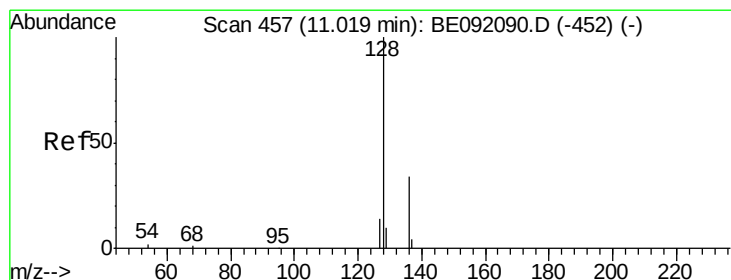
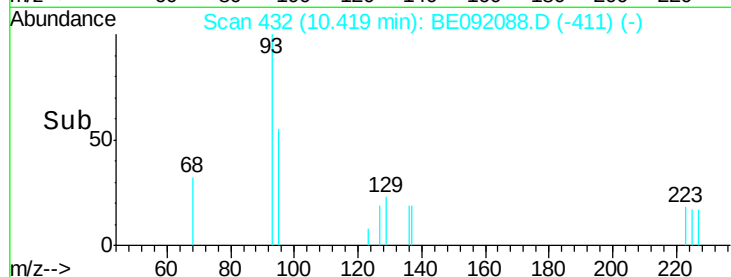
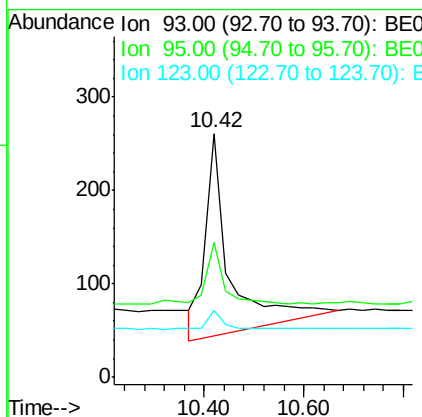
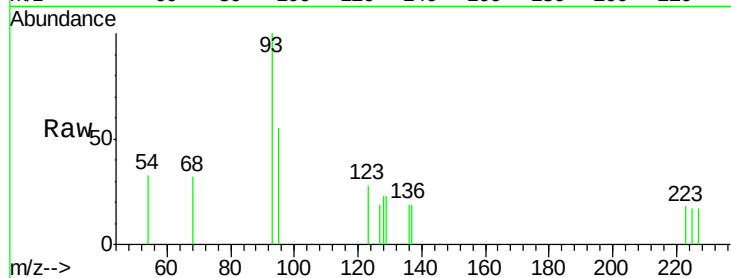




#11
bis(2-Chloroethoxy)methane
Concen: 0.21 ng
RT: 10.42 min Scan# 432
Delta R.T. 0.02 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

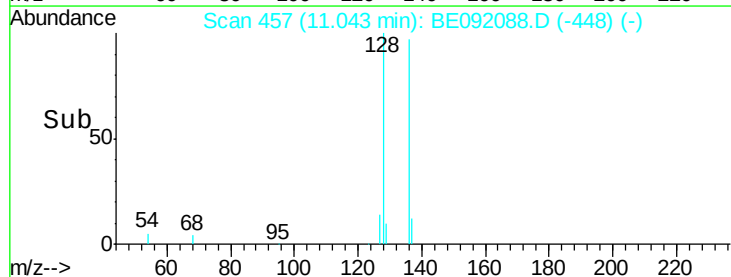
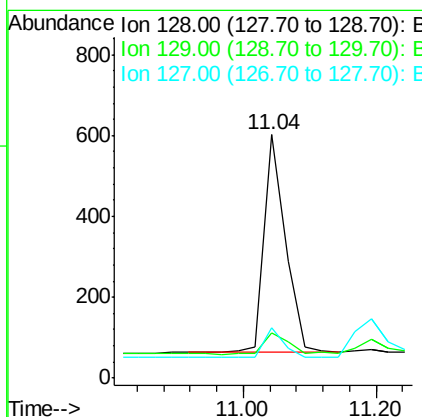
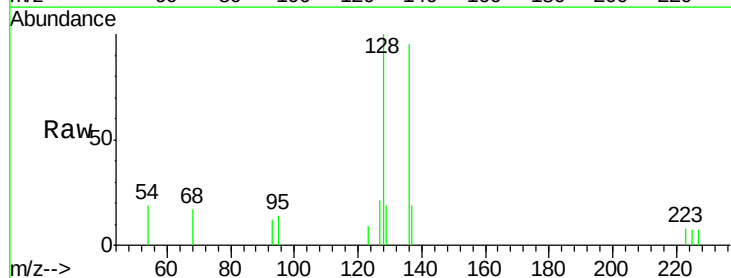
Instrument :
BNA_E
ClientSampleId :

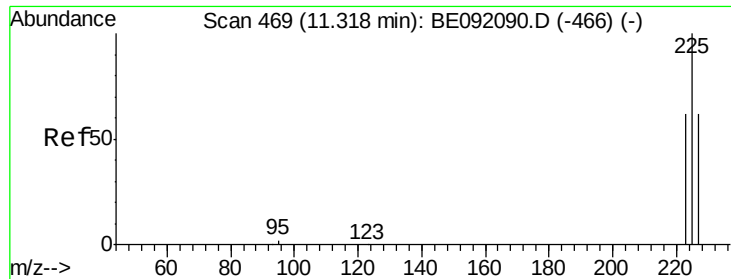
Tot Ion: 93 Resp: 764
Ion Ratio Lower Upper
93 100
95 19.4 25.0 37.6#
123 6.8 7.8 11.8#



#12
Naphthalene
Concen: 0.12 ng
RT: 11.04 min Scan# 457
Delta R.T. 0.02 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

Tgt Ion: 128 Resp: 1202
Ion Ratio Lower Upper
128 100
129 18.8 11.1 16.7#
127 20.9 11.3 16.9#

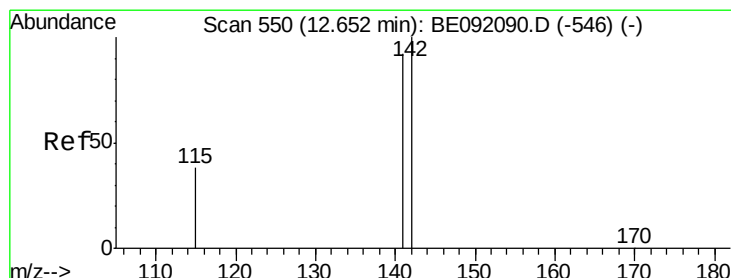
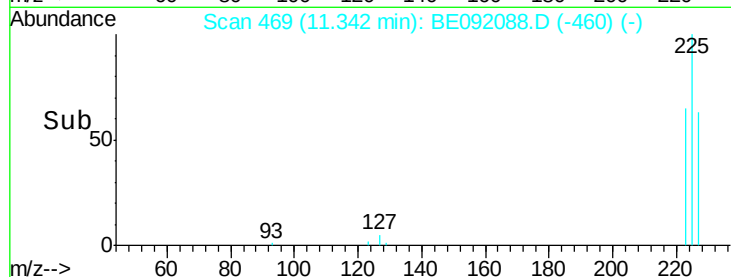
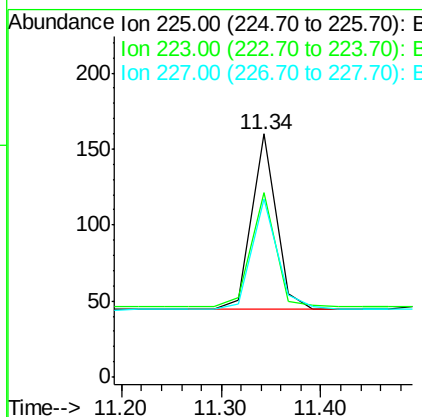
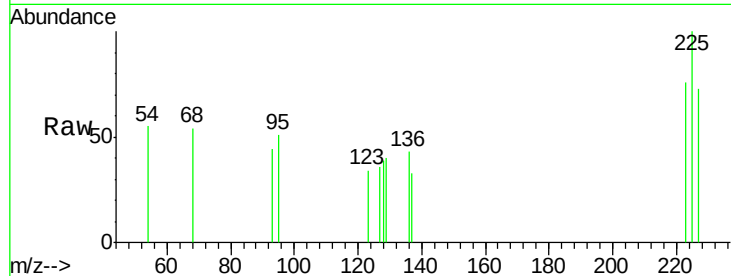




#13
Hexachlorobutadiene
Concen: 0.13 ng
RT: 11.34 min Scan# 469
Delta R.T. 0.02 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

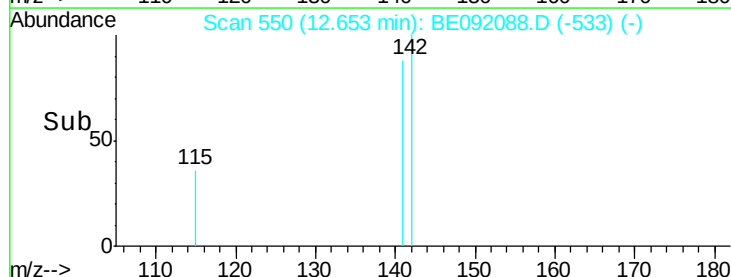
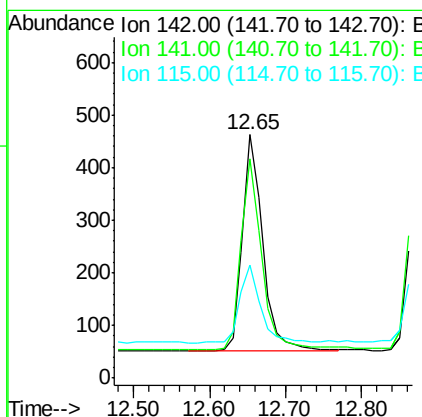
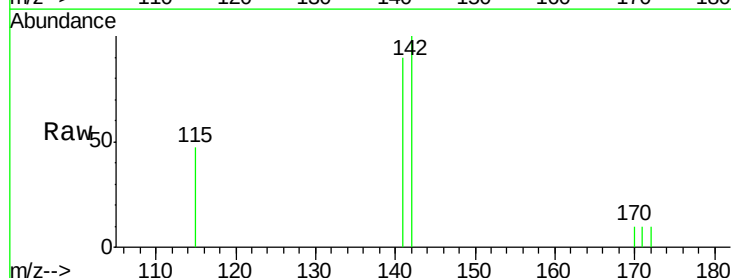
Instrument :
BNA_E
ClientSampleId :

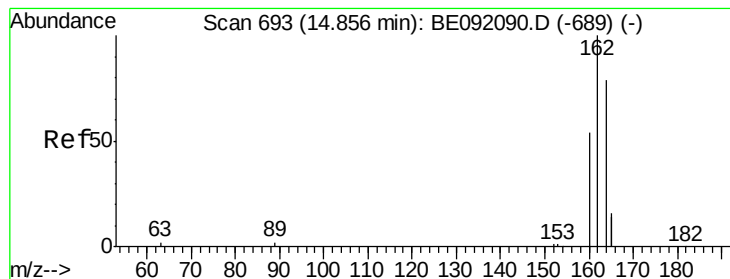
Tot Ion:225 Resp: 196
Ion Ratio Lower Upper
225 100
223 65.8 51.9 77.9
227 64.8 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.12 ng
RT: 12.65 min Scan# 550
Delta R.T. 0.00 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

Tgt Ion:142 Resp: 775
Ion Ratio Lower Upper
142 100
141 89.8 65.1 97.7
115 46.7 27.0 40.4#





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. -0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

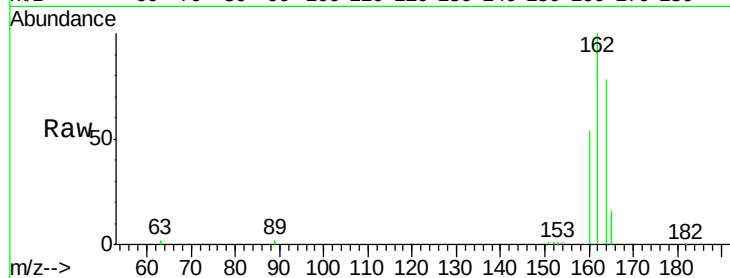
Tot Ion:164 Resp: 22144

Ion Ratio Lower Upper

164 100

162 128.3 69.5 104.3#

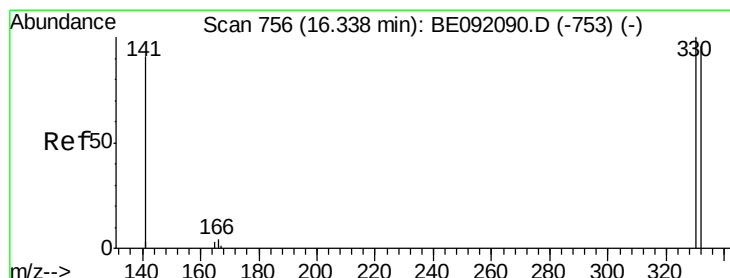
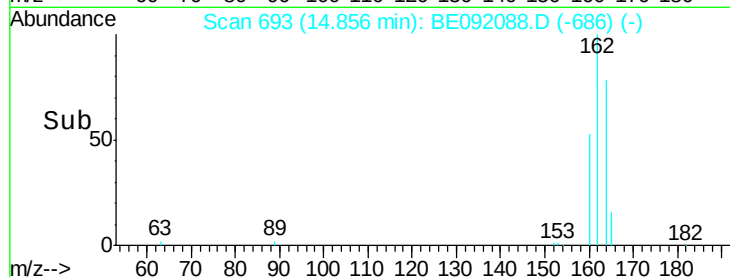
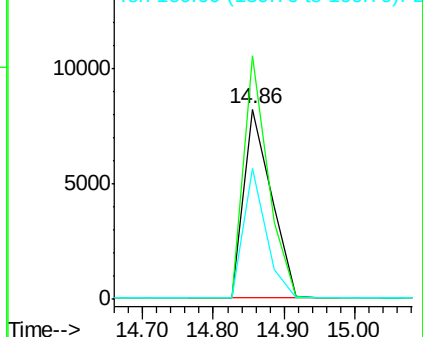
160 68.7 27.6 41.4#



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: 0.29 ng

RT: 16.34 min Scan# 756

Delta R.T. 0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

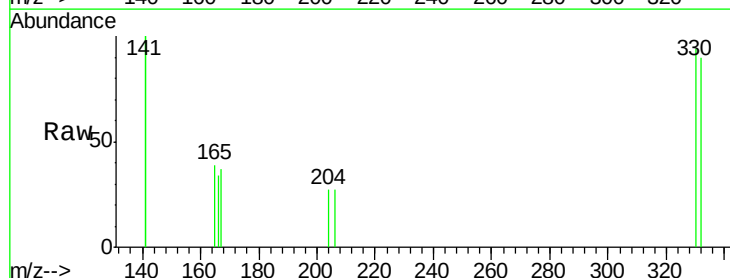
Tgt Ion:330 Resp: 222

Ion Ratio Lower Upper

330 100

332 95.0 74.2 111.4

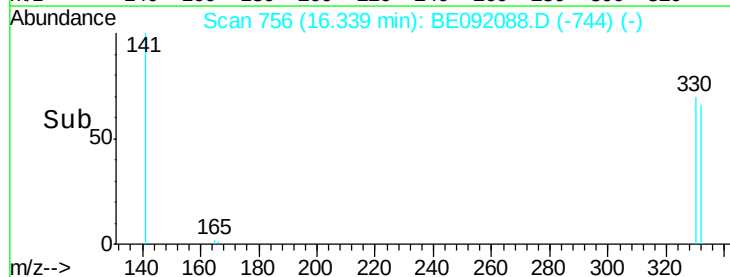
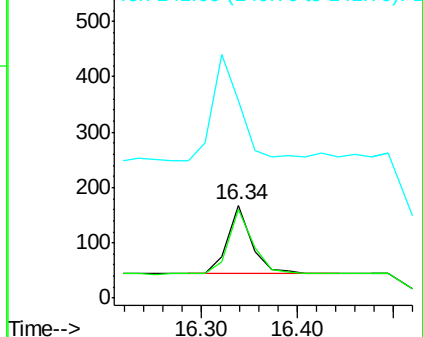
141 175.7 139.8 209.8

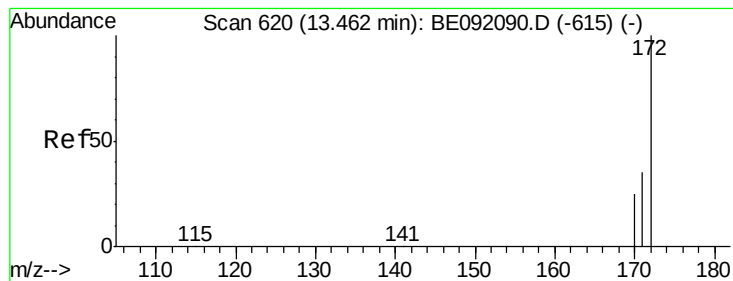


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

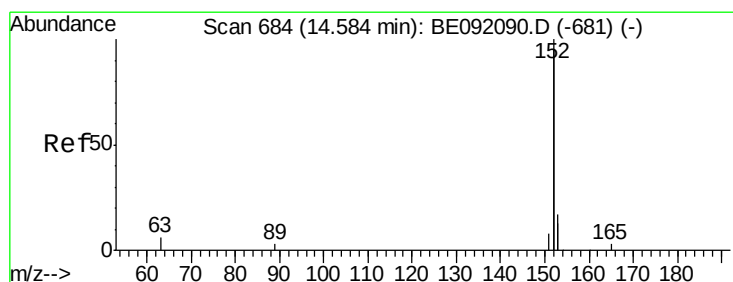
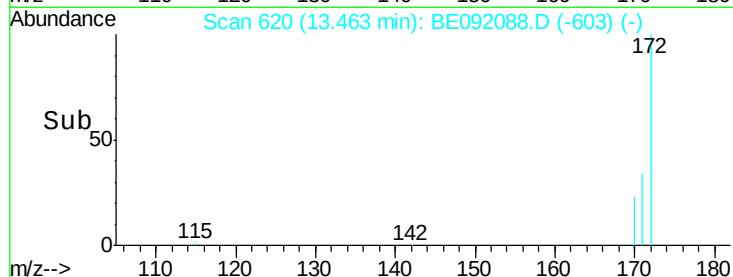
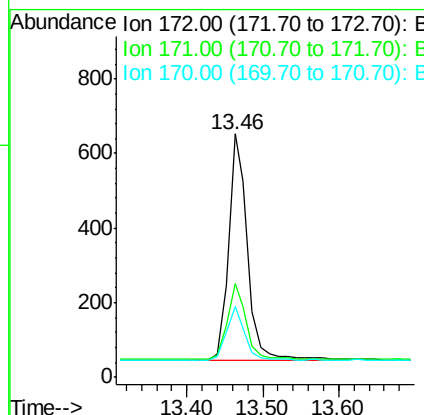
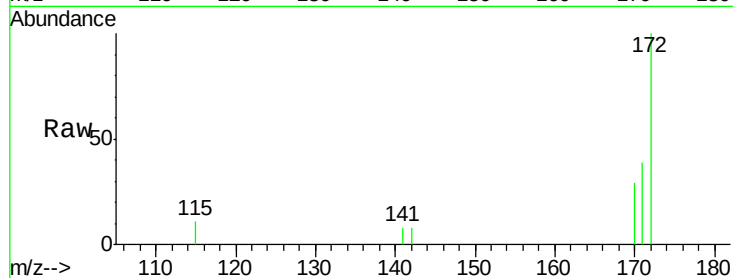




#17
2-Fluorobiphenyl
Concen: 0.12 ng
RT: 13.46 min Scan# 620
Delta R.T. 0.00 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

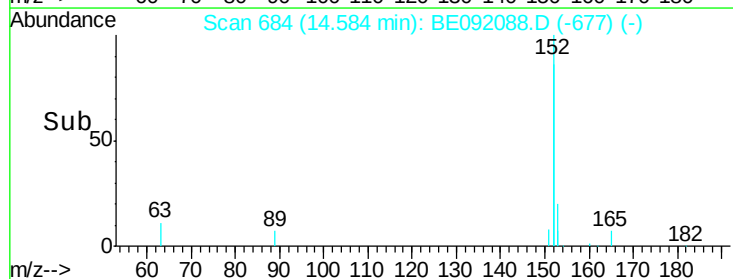
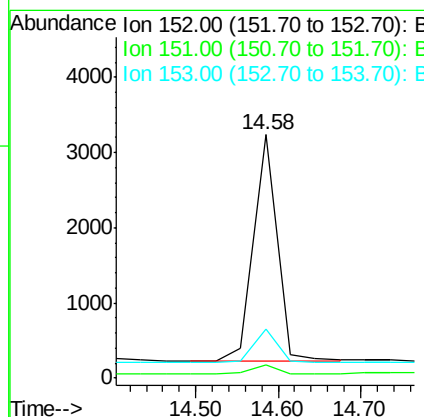
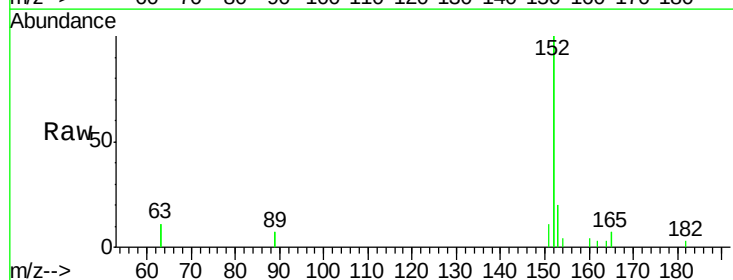
Instrument :
BNA_E
ClientSampleId :

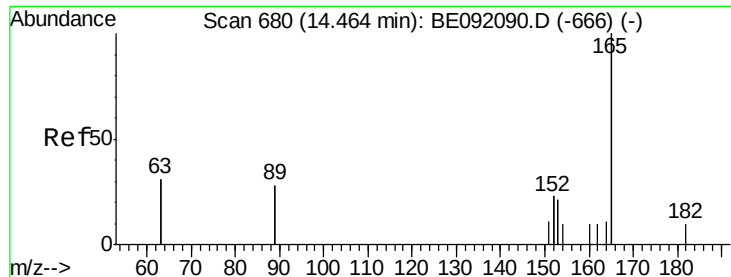
Tot Ion:172 Resp: 1061
Ion Ratio Lower Upper
172 100
171 38.7 30.3 45.5
170 28.8 21.6 32.4



#18
Acenaphthylene
Concen: 0.10 ng
RT: 14.58 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

Tgt Ion:152 Resp: 5966
Ion Ratio Lower Upper
152 100
151 4.8 4.0 6.0
153 14.5 9.6 14.4#

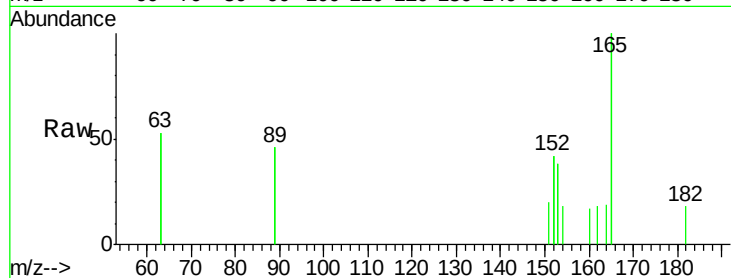




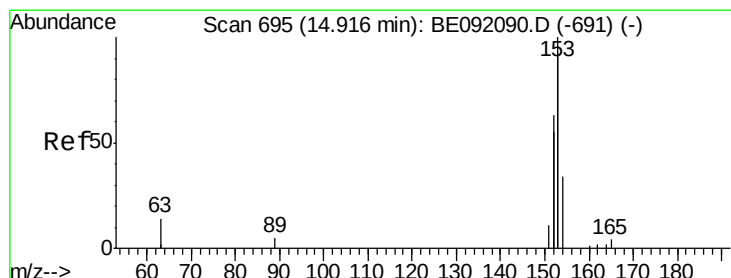
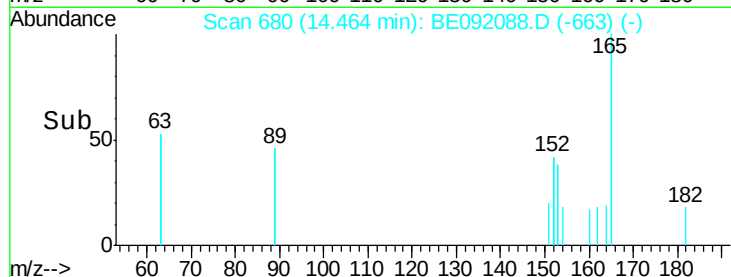
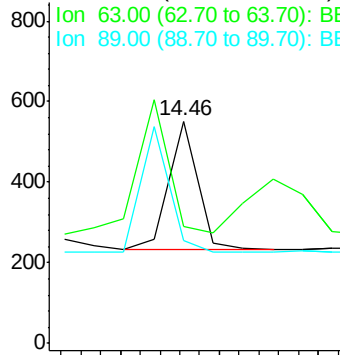
#19
 2,6-Dinitrotoluene
 Concen: 0.11 ng
 RT: 14.46 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BE092088.D
 Acq: 1 Aug 2016 11:47

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:165 Resp: 673
 Ion Ratio Lower Upper
 165 100
 63 0.0 0.0 0.0
 89 0.0 0.0 0.0

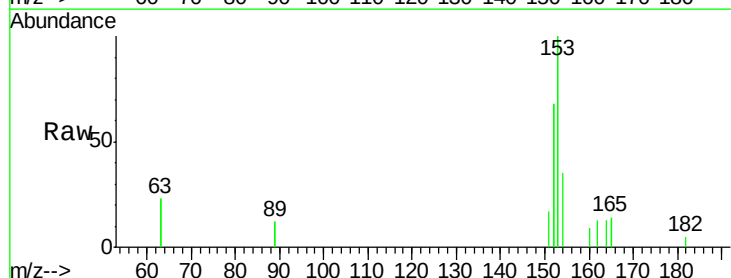


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BE0
 Ion 89.00 (88.70 to 89.70): BE0

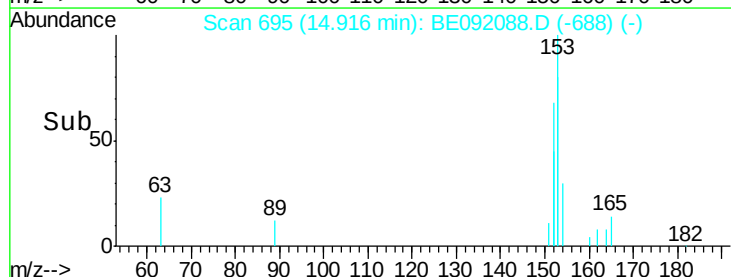
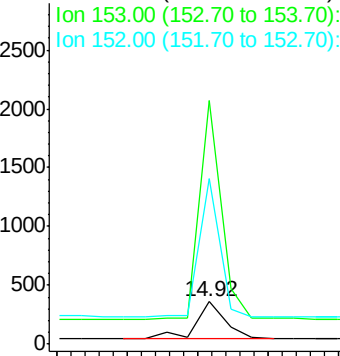


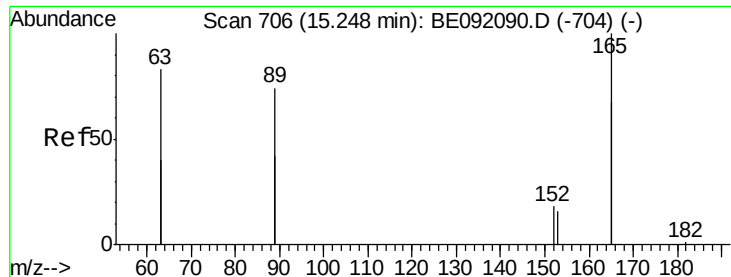
#20
 Acenaphthene
 Concen: 0.14 ng
 RT: 14.92 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BE092088.D
 Acq: 1 Aug 2016 11:47

Tgt Ion:154 Resp: 829
 Ion Ratio Lower Upper
 154 100
 153 469.6 345.1 517.7
 152 274.9 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: 0.14 ng

RT: 15.25 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 1038

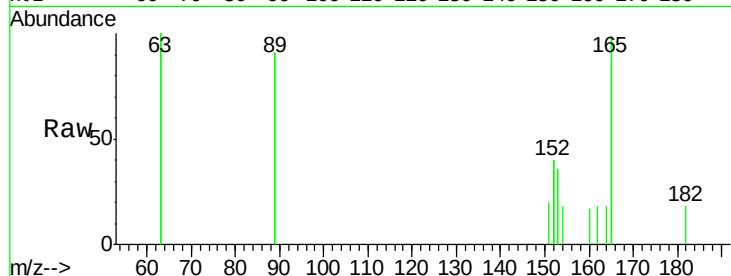
Ion Ratio Lower Upper

165 100

63 80.5 324.0 486.0#

89 90.9 308.4 462.6#

182 0.0 0.0 0.0

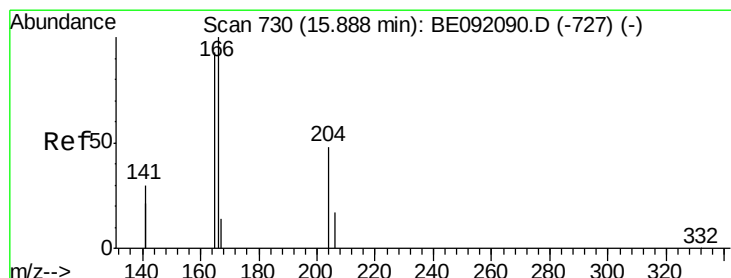
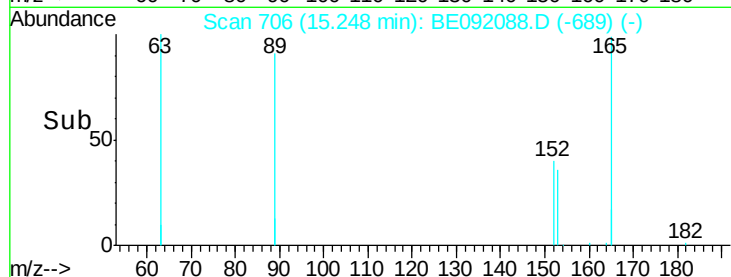
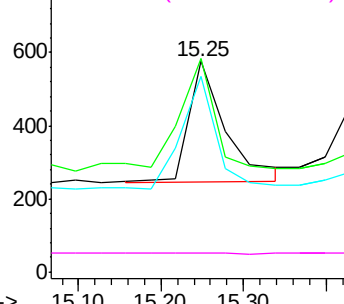


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.13 ng

RT: 15.89 min Scan# 730

Delta R.T. 0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

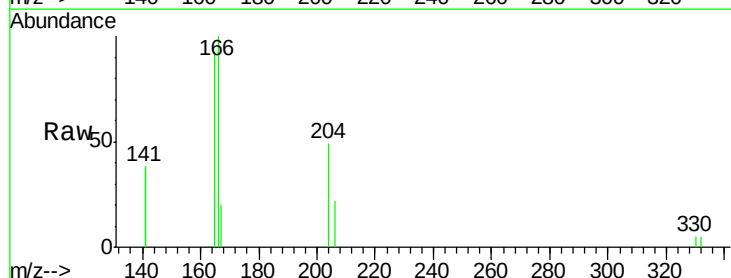
Tgt Ion:166 Resp: 1218

Ion Ratio Lower Upper

166 100

165 100.1 78.6 118.0

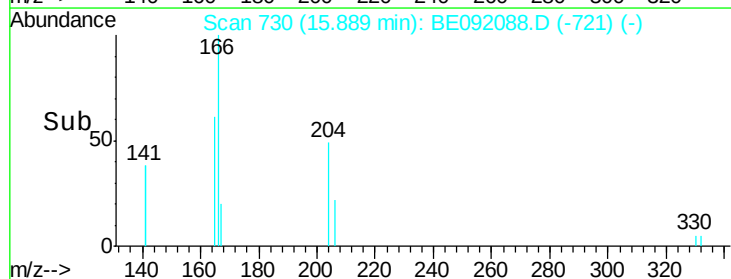
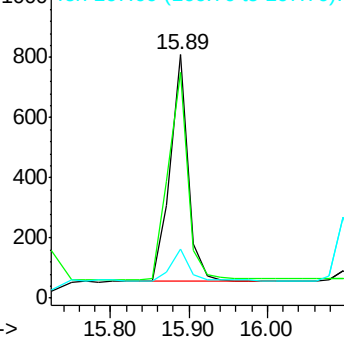
167 14.4 11.1 16.7

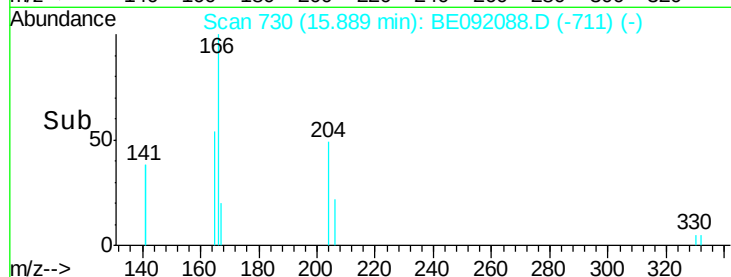
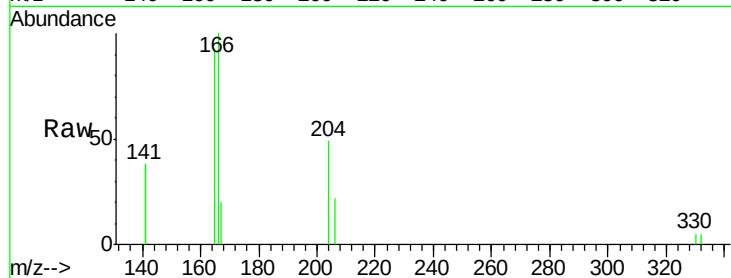
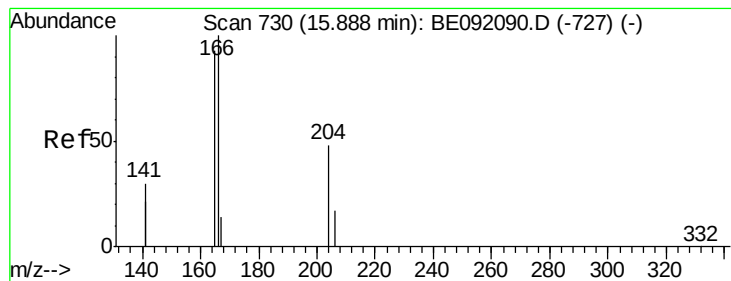


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 0.36 ng

RT: 15.89 min Scan# 730

Delta R.T. 0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

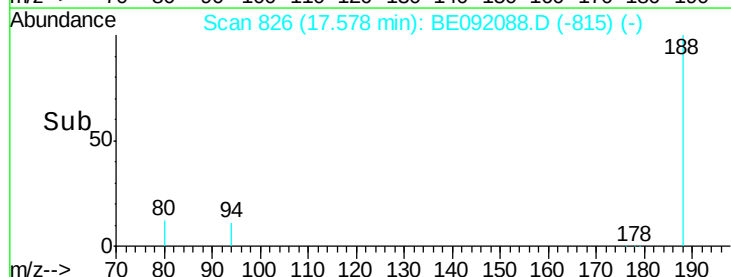
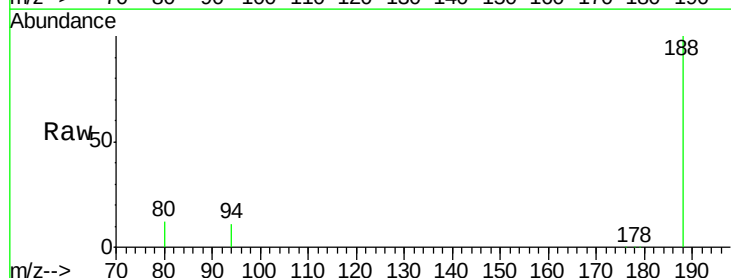
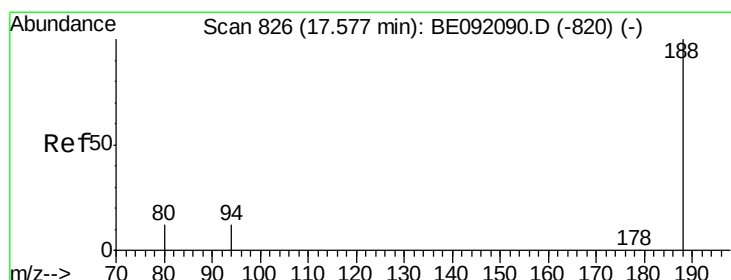
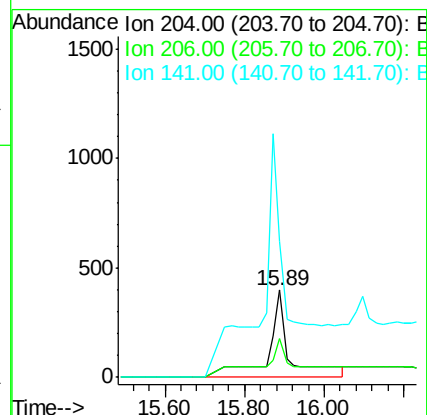
Tot Ion:204 Resp: 1658

Ion Ratio Lower Upper

204 100

206 65.7 27.0 40.4#

141 167.0 198.5 297.7#



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

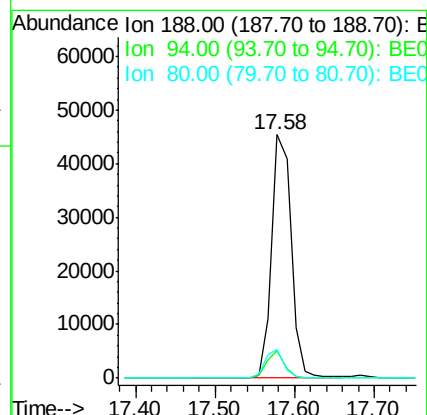
Tgt Ion:188 Resp: 95490

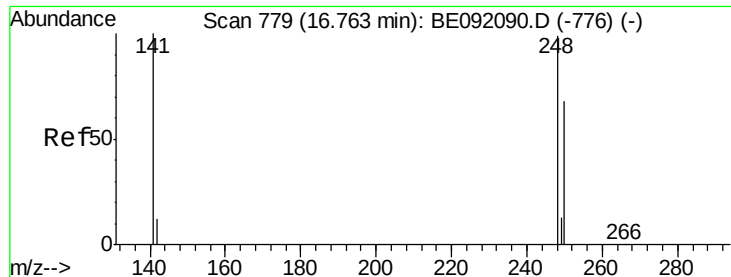
Ion Ratio Lower Upper

188 100

94 11.3 3.9 5.9#

80 11.5 3.4 5.0#





#25

4-Bromophenyl-phenylether

Concen: 0.09 ng

RT: 16.76 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

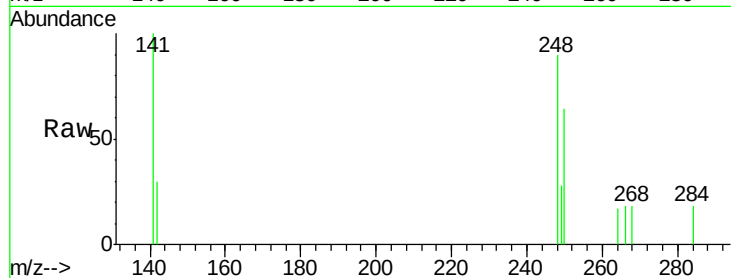
Tot Ion:248 Resp: 371

Ion Ratio Lower Upper

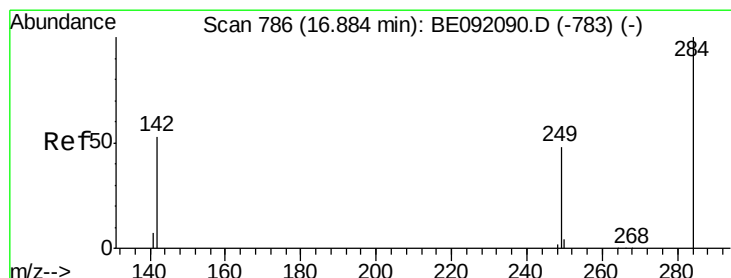
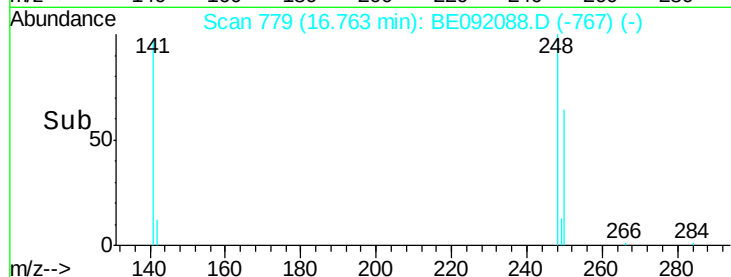
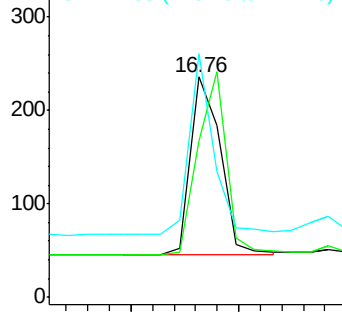
248 100

250 97.0 79.6 119.4

141 81.7 68.7 103.1



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 0.09 ng

RT: 16.90 min Scan# 787

Delta R.T. 0.02 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

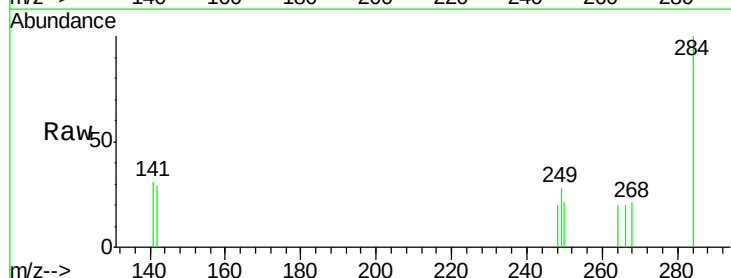
Tgt Ion:284 Resp: 374

Ion Ratio Lower Upper

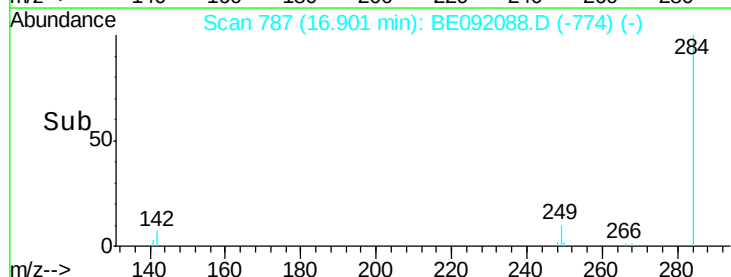
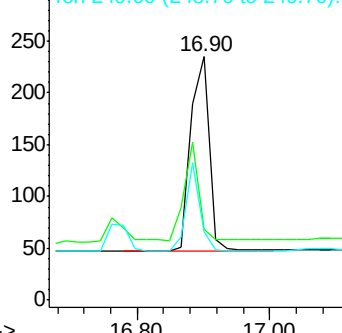
284 100

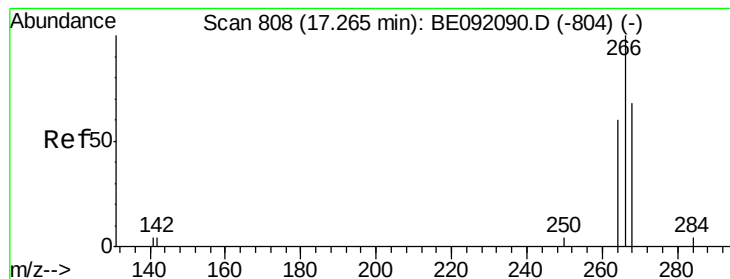
142 38.8 33.3 49.9

249 33.7 25.4 38.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.16 ng

RT: 17.25 min Scan# 807

Delta R.T. -0.02 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

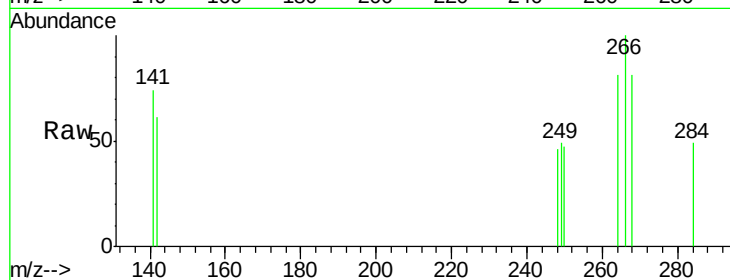
Tot Ion:266 Resp: 183

Ion Ratio Lower Upper

266 100

268 81.0 62.7 94.1

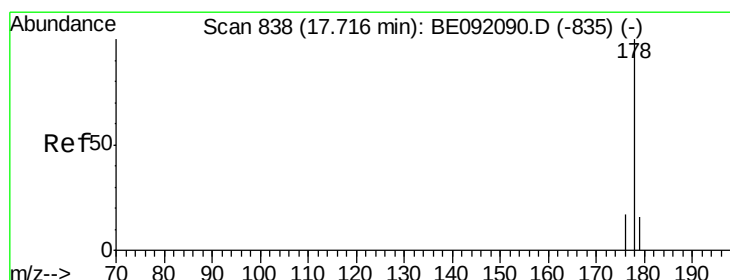
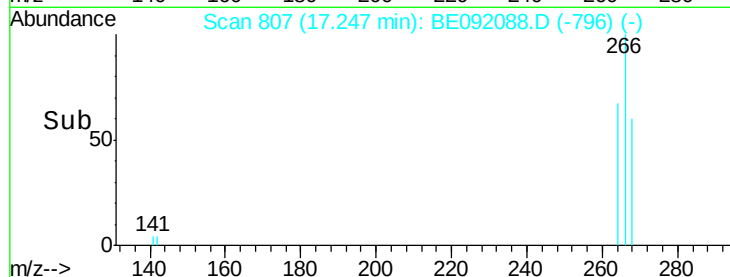
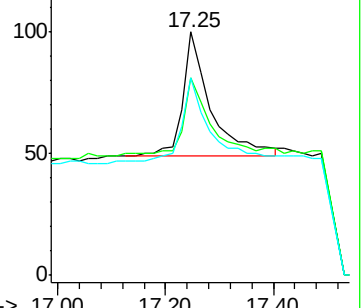
264 81.0 63.5 95.3



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: 0.09 ng

RT: 17.72 min Scan# 838

Delta R.T. 0.09 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

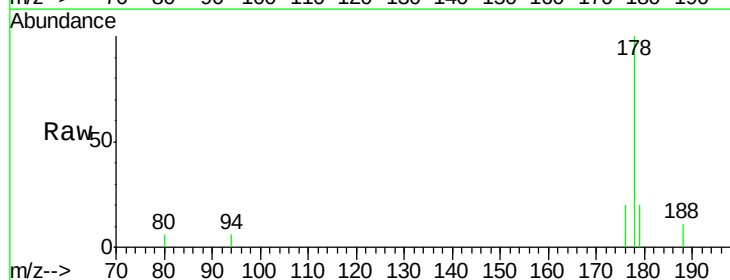
Tgt Ion:178 Resp: 2184

Ion Ratio Lower Upper

178 100

176 21.5 15.4 23.0

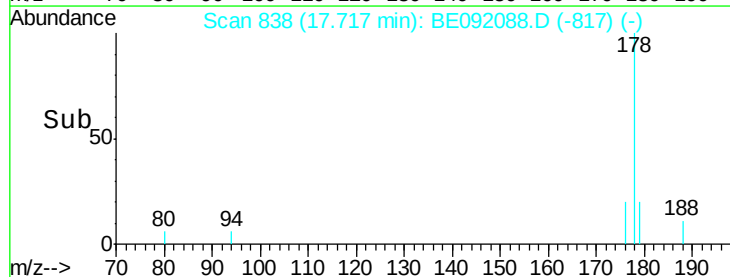
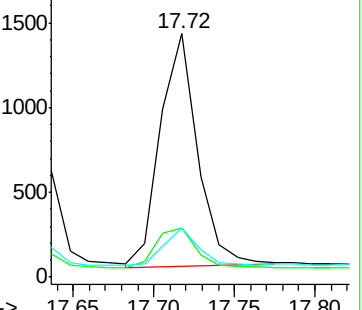
179 17.7 12.7 19.1

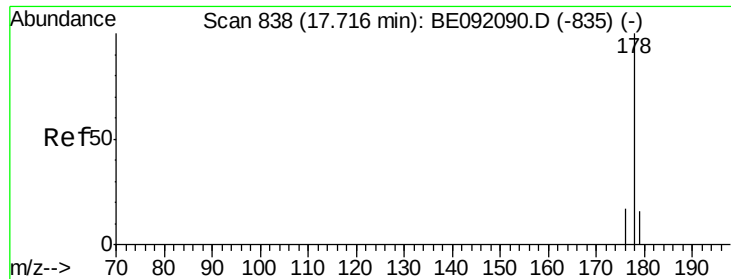


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.10 ng

RT: 17.72 min Scan# 838

Delta R.T. 0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

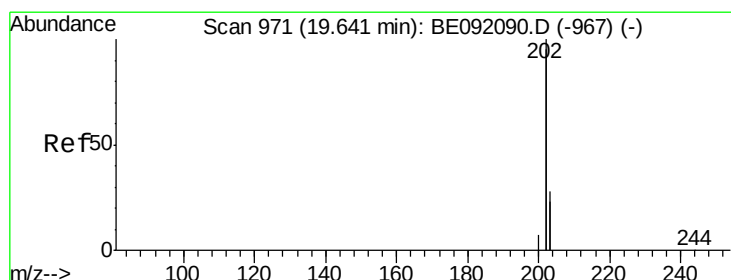
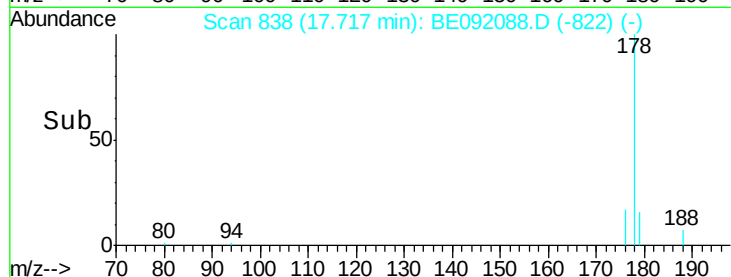
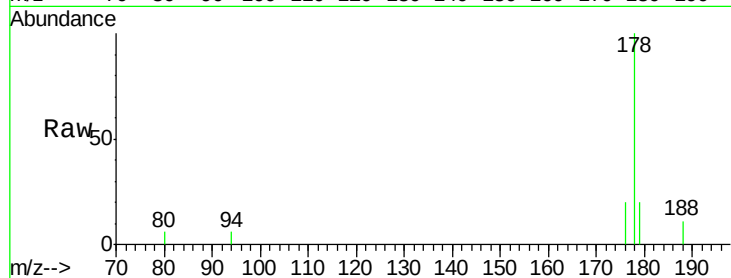
Tot Ion:178 Resp: 2225

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 14.4 12.2 18.4



#30

Fluoranthene

Concen: 0.09 ng

RT: 19.64 min Scan# 971

Delta R.T. 0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

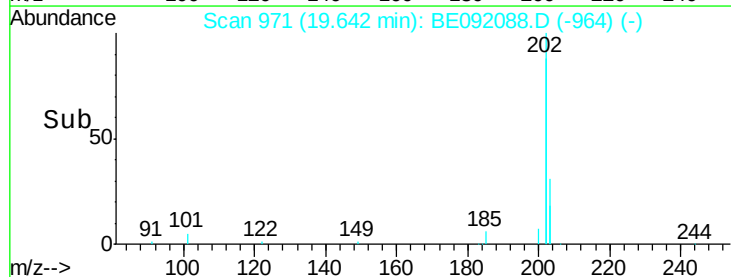
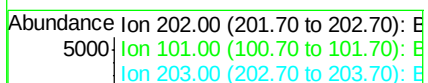
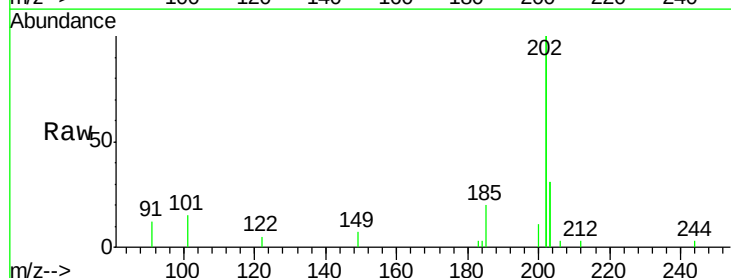
Tgt Ion:202 Resp: 10023

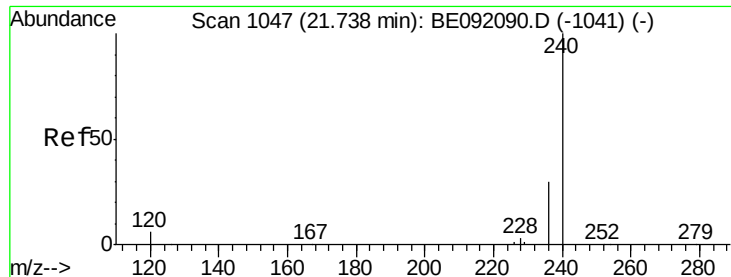
Ion Ratio Lower Upper

202 100

101 0.0 2.2 3.2#

203 20.1 13.0 19.4#

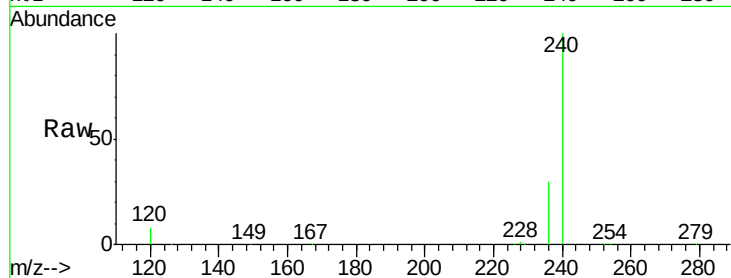




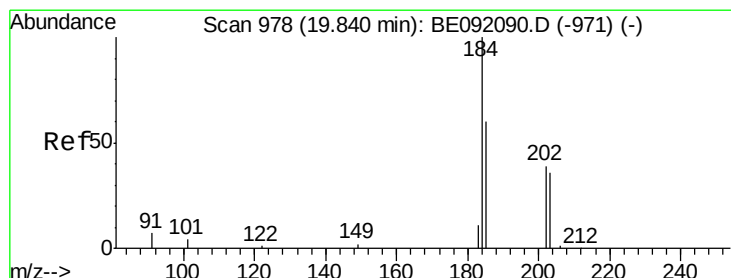
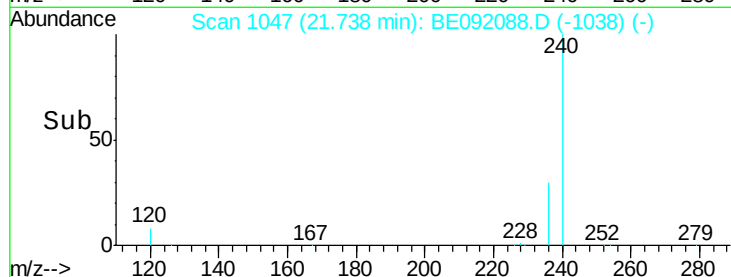
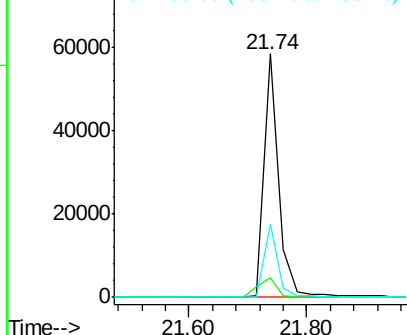
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.74 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 100858
Ion Ratio Lower Upper
240 100
120 8.1 0.6 1.0#
236 30.2 18.2 27.4#

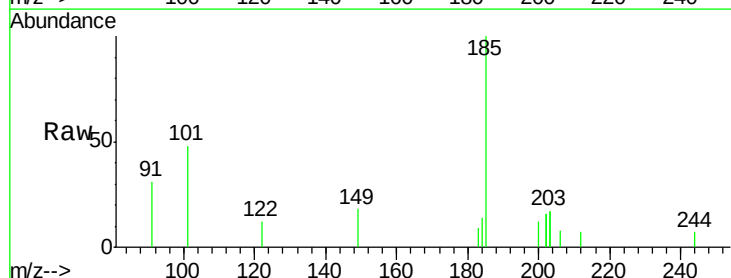


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

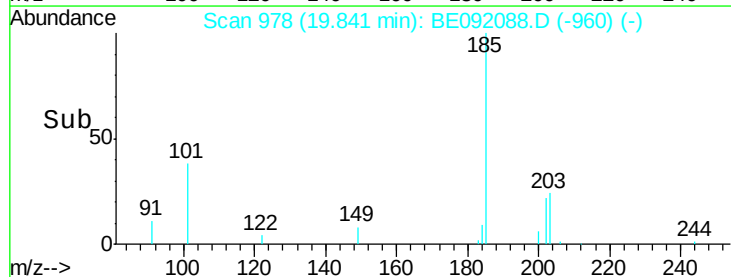
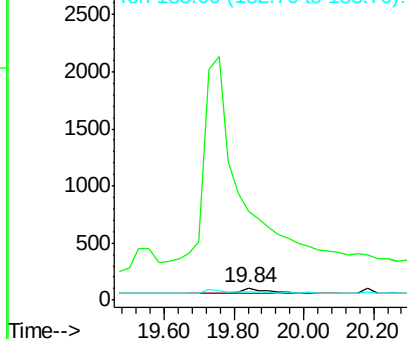


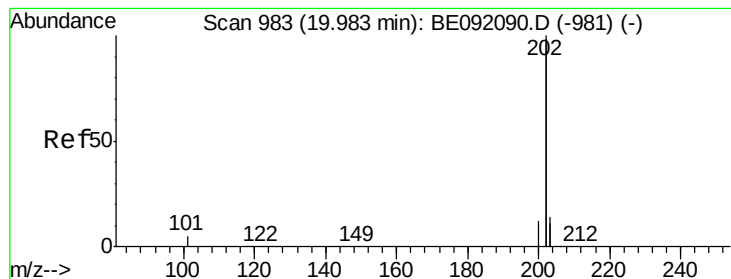
#32
Benzidine
Concen: 0.06 ng
RT: 19.84 min Scan# 978
Delta R.T. 0.00 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

Tgt Ion:184 Resp: 311
Ion Ratio Lower Upper
184 100
185 728.0 23.8 35.6#
183 66.4 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: 0.11 ng

RT: 19.98 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

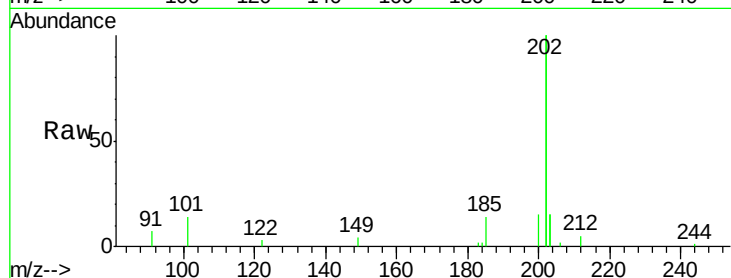
Tot Ion:202 Resp: 13912

Ion Ratio Lower Upper

202 100

200 6.1 4.4 6.6

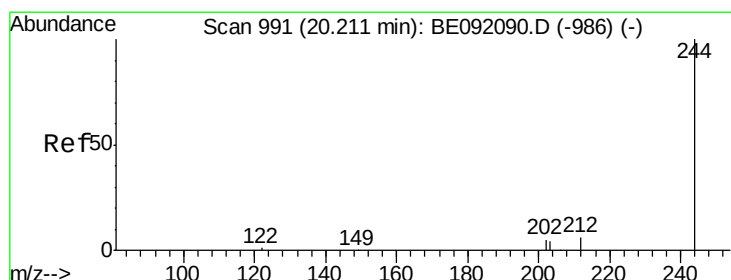
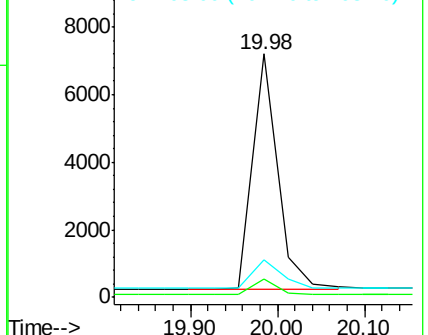
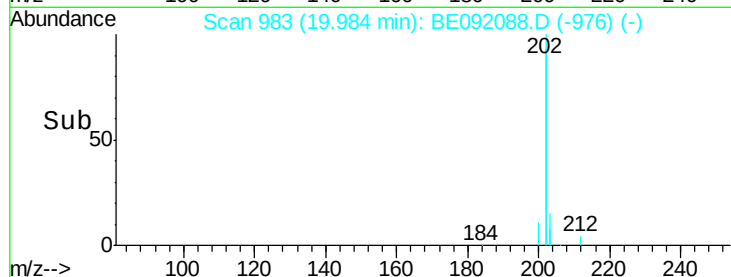
203 14.6 13.4 20.0



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: 0.18 ng

RT: 20.21 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

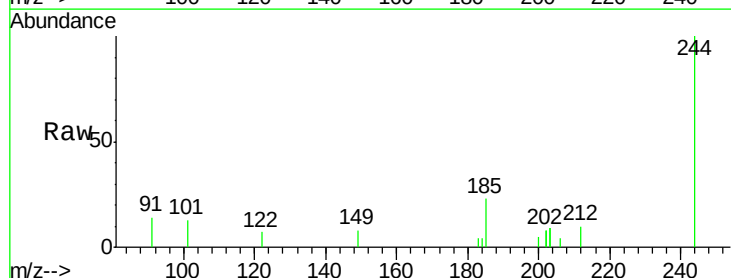
Tgt Ion:244 Resp: 3294

Ion Ratio Lower Upper

244 100

212 9.7 9.1 13.7

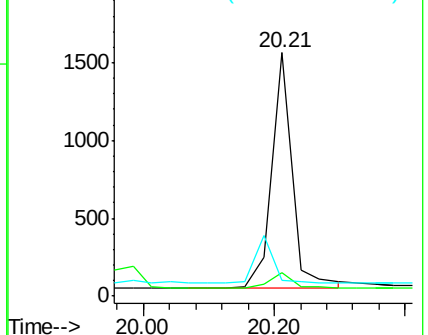
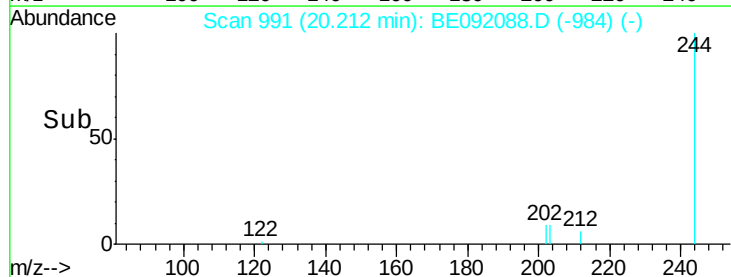
122 6.6 11.0 16.4#

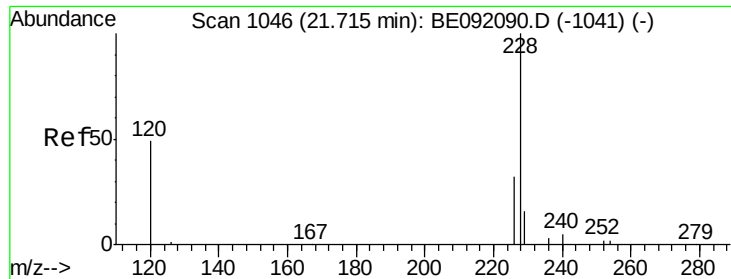


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

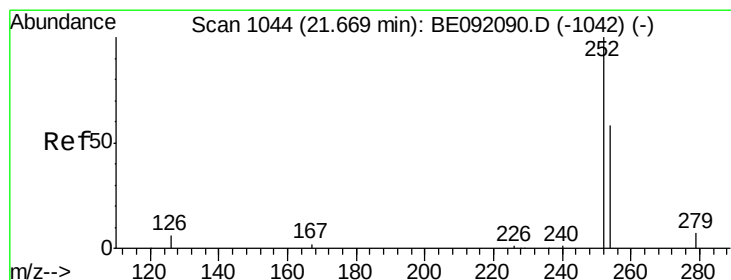
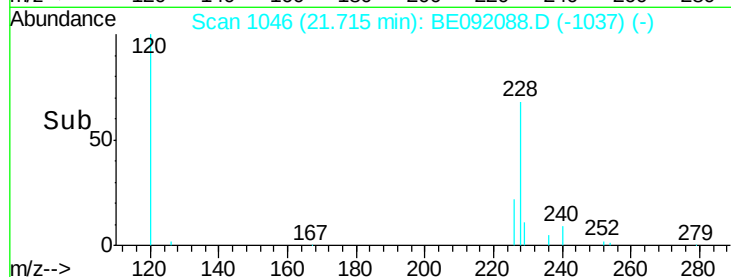
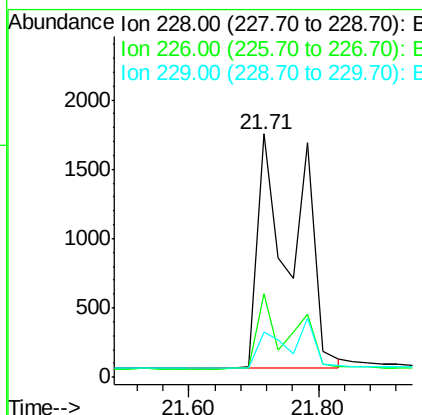
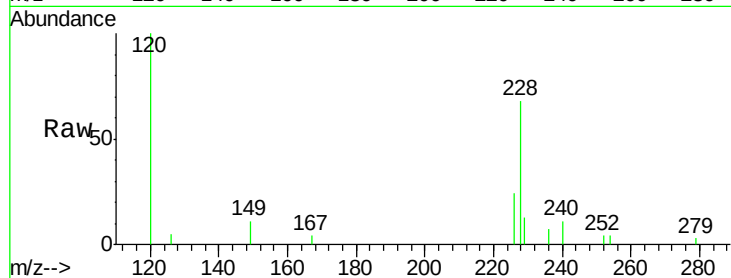




#35
Benzo(a)anthracene
Concen: 0.14 ng
RT: 21.71 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

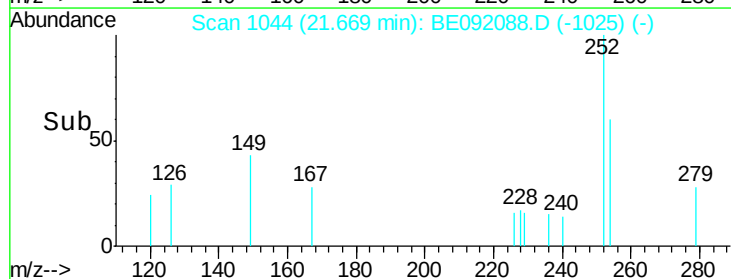
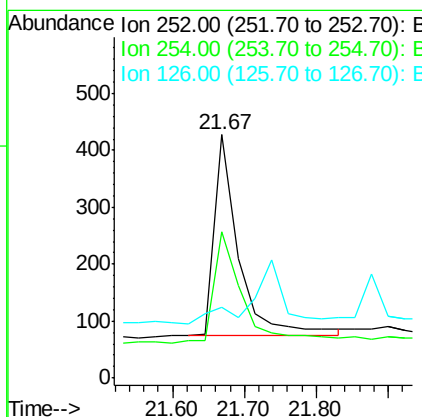
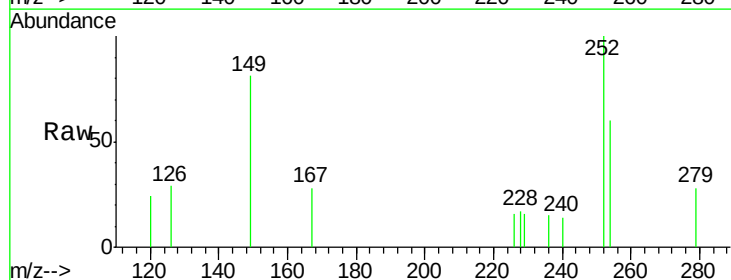
Instrument :
BNA_E
ClientSampleId :

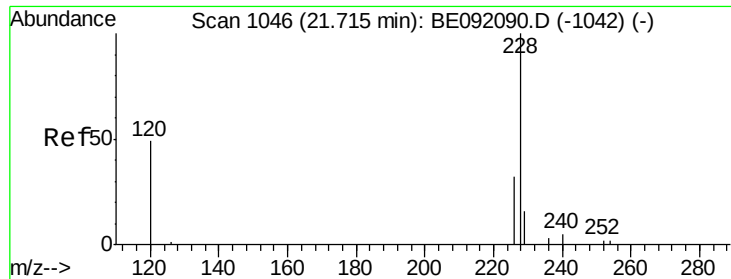
Tot Ion:228 Resp: 6834
Ion Ratio Lower Upper
228 100
226 34.6 22.1 33.1#
229 18.7 15.1 22.7



#36
3,3'-Dichlorobenzidine
Concen: 0.09 ng
RT: 21.67 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BE092088.D
Acq: 1 Aug 2016 11:47

Tgt Ion:252 Resp: 822
Ion Ratio Lower Upper
252 100
254 60.0 44.2 66.2
126 29.0 10.6 15.8#

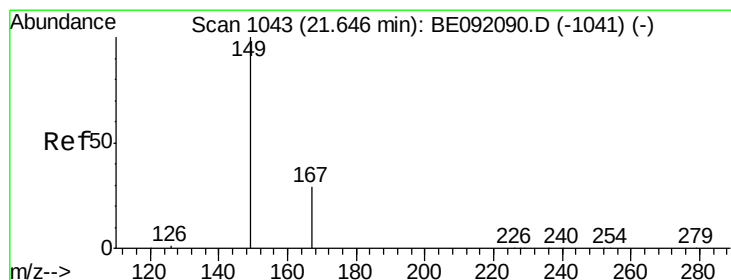
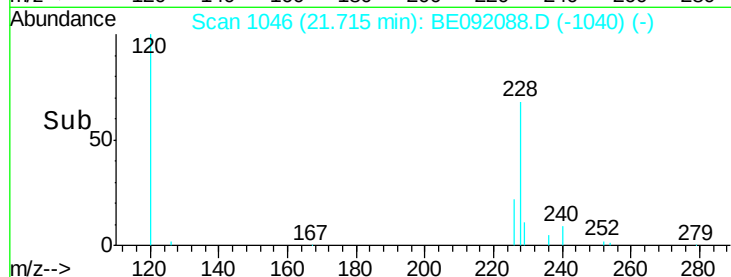
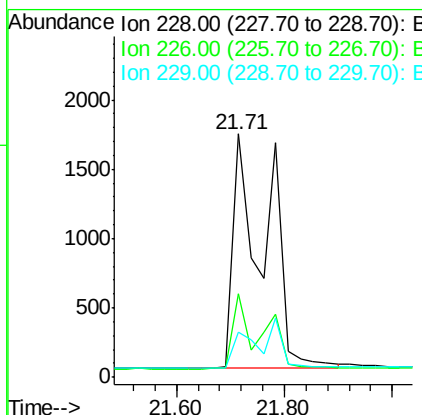
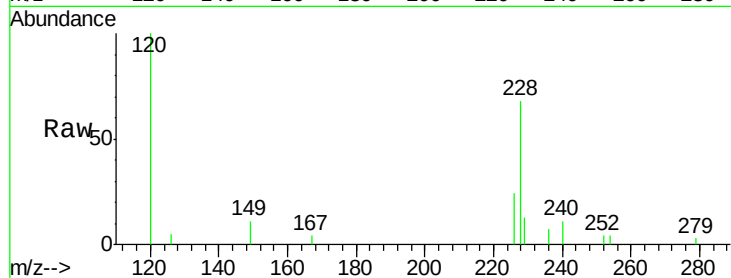




#37
 Chrysene
 Concen: 0.17 ng
 RT: 21.71 min Scan# 1046
 Delta R.T. -0.07 min
 Lab File: BE092088.D
 Acq: 1 Aug 2016 11:47

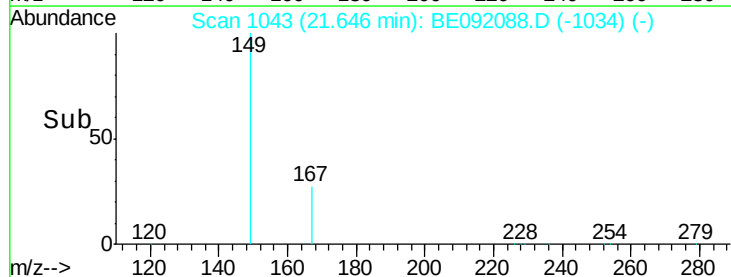
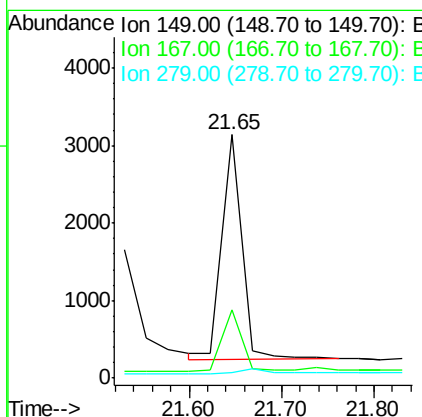
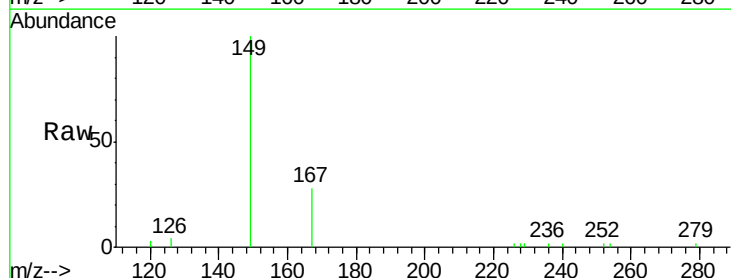
Instrument :
 BNA_E
 ClientSampleId :

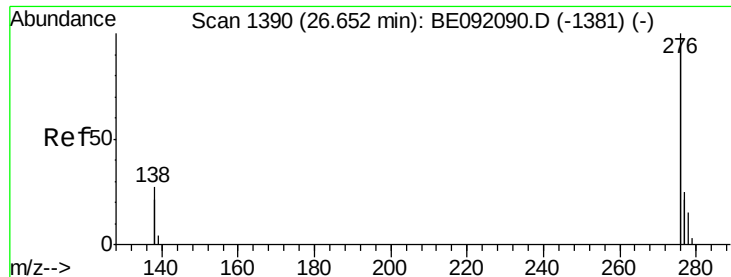
Tot Ion:228 Resp: 6954
 Ion Ratio Lower Upper
 228 100
 226 34.6 22.3 33.5#
 229 18.7 16.9 25.3



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.05 ng
 RT: 21.65 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE092088.D
 Acq: 1 Aug 2016 11:47

Tgt Ion:149 Resp: 4376
 Ion Ratio Lower Upper
 149 100
 167 26.6 3.8 5.6#
 279 0.0 0.0 0.0

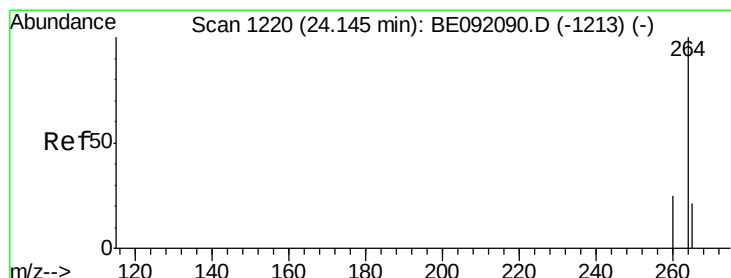
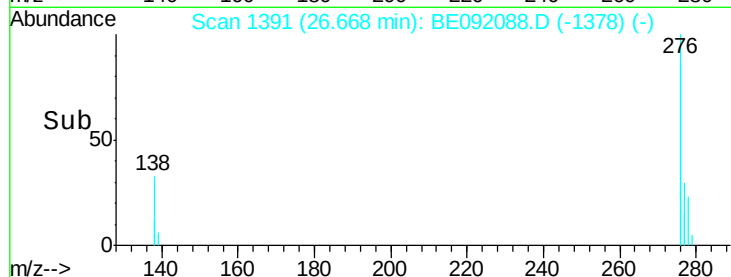
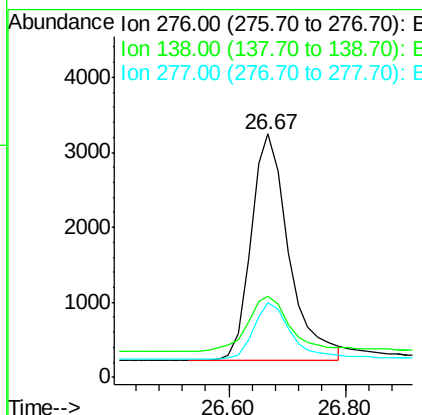
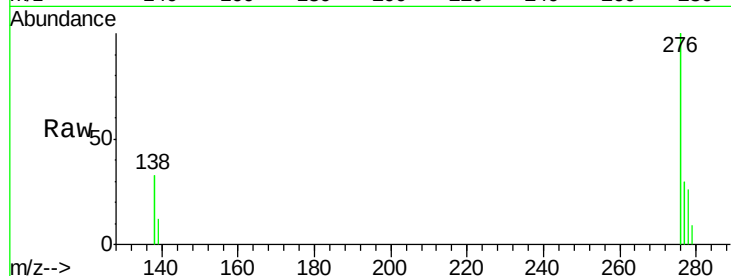




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.12 ng
 RT: 26.67 min Scan# 1391
 Delta R.T. 0.02 min
 Lab File: BE092088.D
 Acq: 1 Aug 2016 11:47

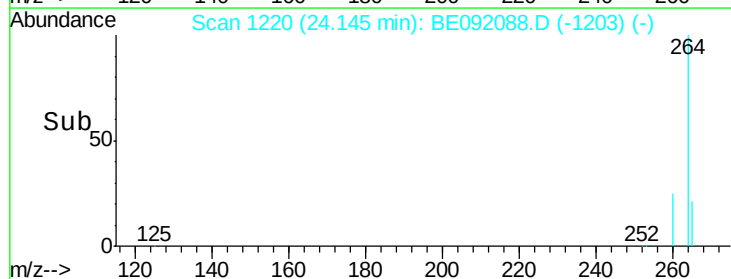
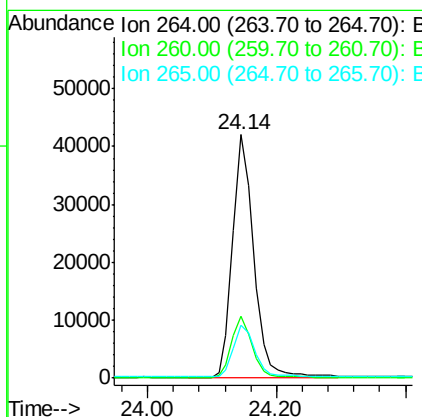
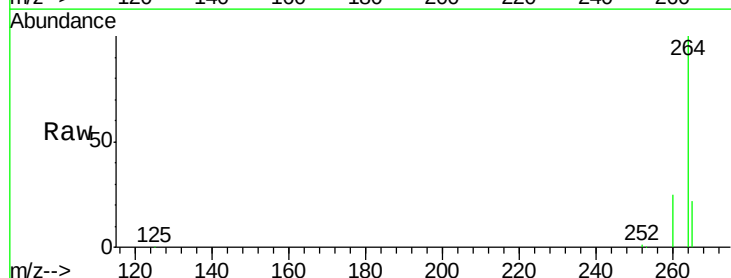
Instrument :
 BNA_E
 ClientSampleId :

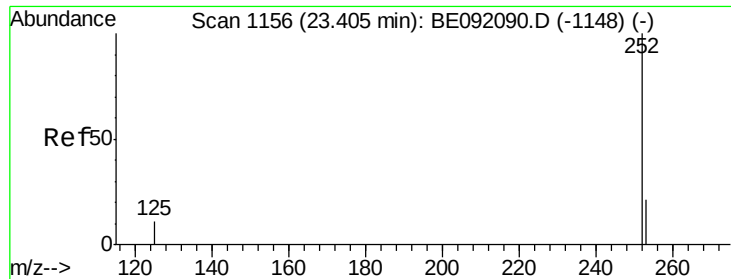
Tot Ion:276 Resp: 13653
 Ion Ratio Lower Upper
 276 100
 138 28.0 21.2 31.8
 277 24.9 19.8 29.8



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.14 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BE092088.D
 Acq: 1 Aug 2016 11:47

Tgt Ion:264 Resp: 95840
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.8 31.2
 265 21.9 16.6 25.0





#41

Benzo(b)fluoranthene

Concen: 0.13 ng

RT: 23.42 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

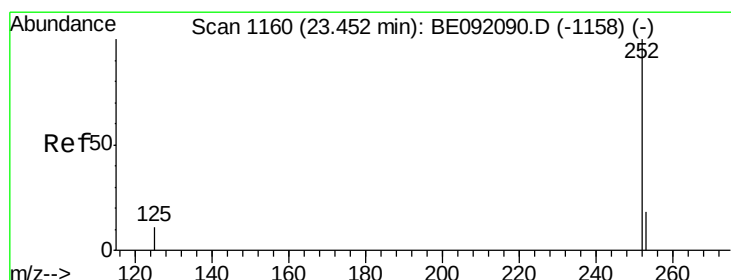
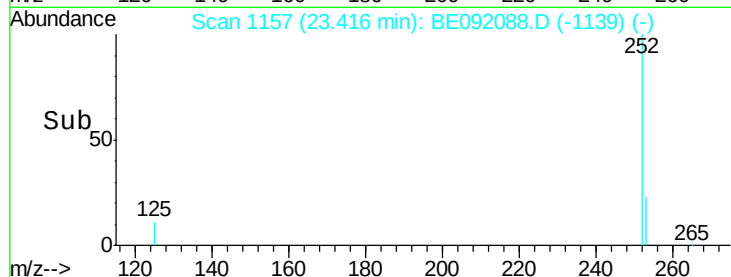
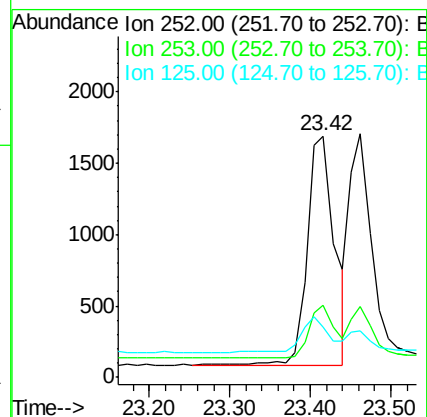
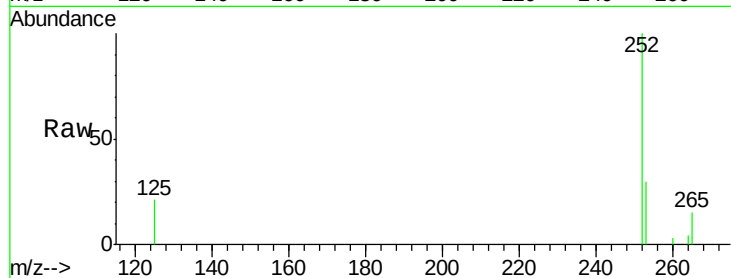
Tot Ion:252 Resp: 3754

Ion Ratio Lower Upper

252 100

253 29.9 17.4 26.0#

125 20.7 10.2 15.2#



#42

Benzo(k)fluoranthene

Concen: 0.11 ng

RT: 23.46 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

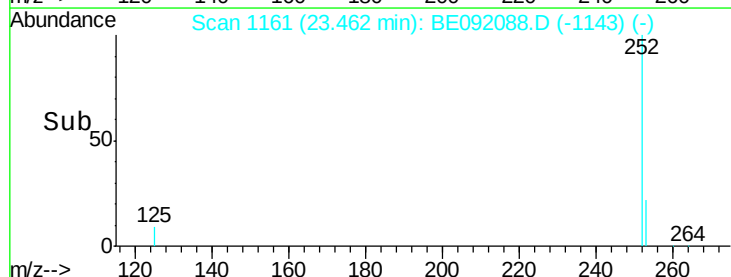
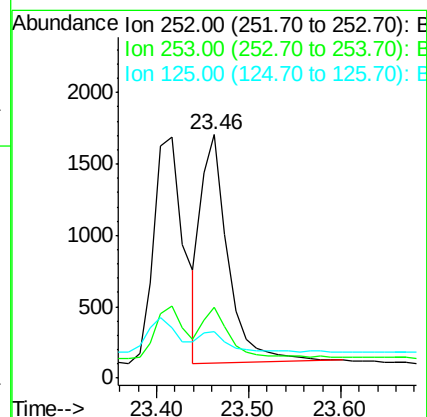
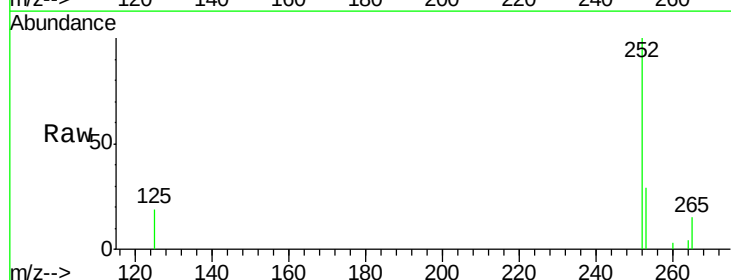
Tgt Ion:252 Resp: 3229

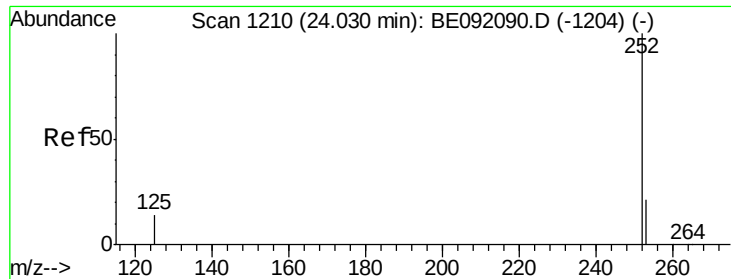
Ion Ratio Lower Upper

252 100

253 29.0 19.4 29.0

125 19.3 8.9 13.3#





#43

Benzo(a)pyrene

Concen: 0.12 ng

RT: 24.04 min Scan# 1211

Delta R.T. 0.01 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :

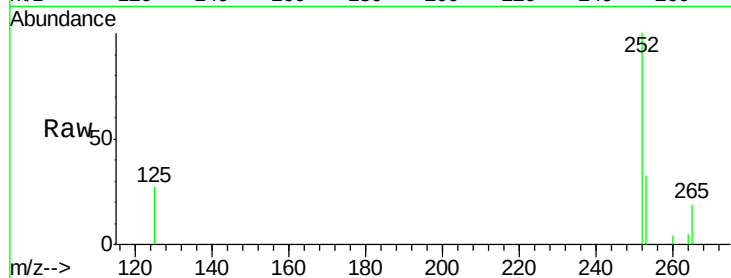
Tot Ion:252 Resp: 2875

Ion Ratio Lower Upper

252 100

253 32.7 19.8 29.8#

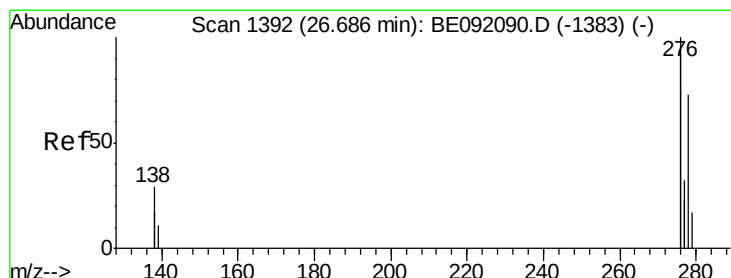
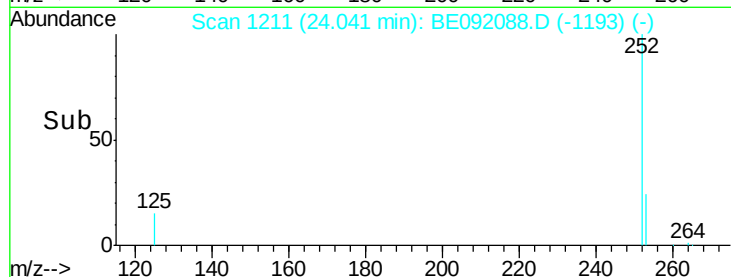
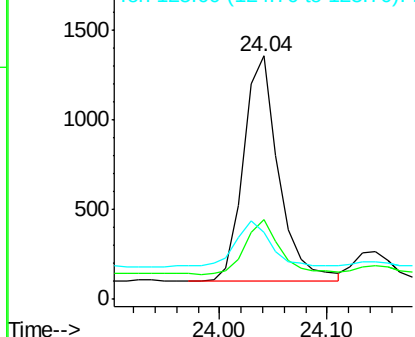
125 27.4 10.4 15.6#



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: 0.13 ng

RT: 26.68 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

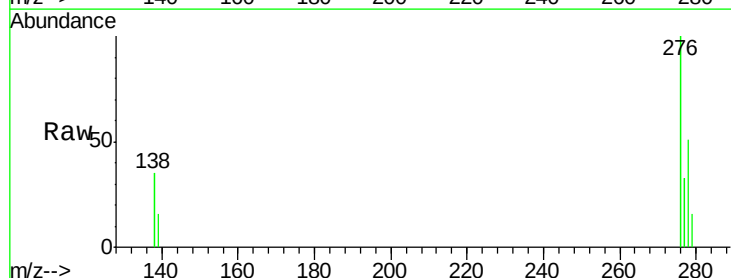
Tgt Ion:278 Resp: 2802

Ion Ratio Lower Upper

278 100

139 31.1 16.7 25.1#

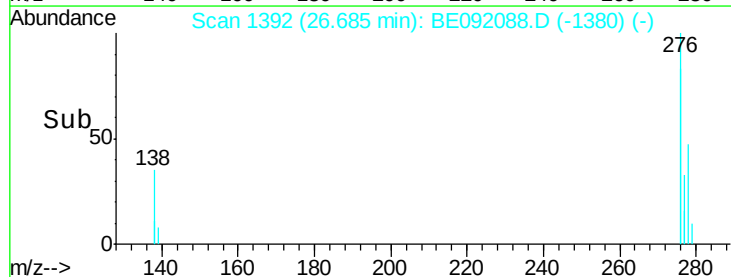
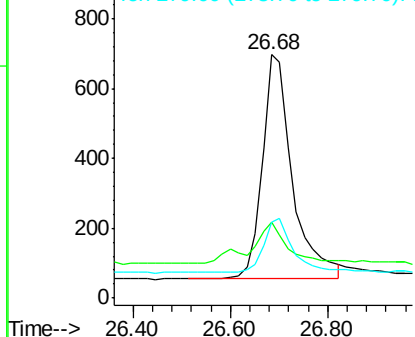
279 31.4 20.3 30.5#

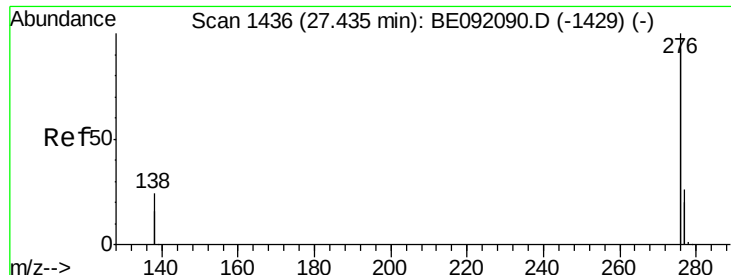


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.13 ng

RT: 27.43 min Scan# 1436

Delta R.T. -0.00 min

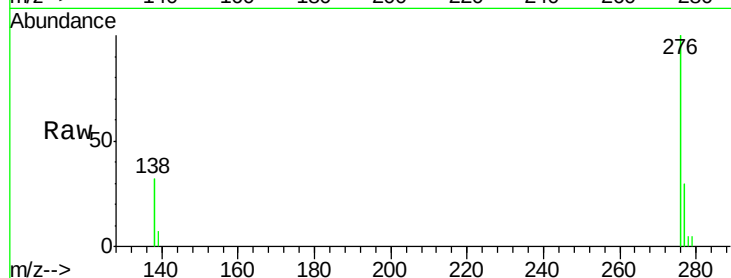
Lab File: BE092088.D

Acq: 1 Aug 2016 11:47

Instrument :

BNA_E

ClientSampleId :



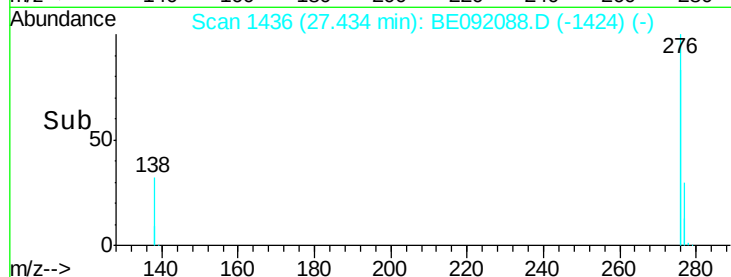
Tot Ion: 276 Resp: 11630

Ion Ratio Lower Upper

276 100

277 29.8 19.5 29.3#

138 32.5 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

