

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
 Data File : BE092089.D
 Acq On : 1 Aug 2016 12:25
 Operator : UM/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 01 16:00:01 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 15:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9810	5.00	ng	0.00
8) Naphthalene-d8	10.97	136	42256	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	20935	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	93154	5.00	ng	0.00
31) Chrysene-d12	21.74	240	102701	5.00	ng	0.00
40) Perylene-d12	24.15	264	91921	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	758	0.35	ng	0.00
5) Phenol-d6	7.33	99	878	0.30	ng	0.00
9) Nitrobenzene-d5	9.35	82	906	0.29	ng	0.00
16) 2,4,6-Tribromophenol	16.34	330	326	0.44	ng	0.00
17) 2-Fluorobiphenyl	13.46	172	1745	0.21	ng	0.00
34) Terphenyl-d14	20.21	244	5044	0.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	305	0.23	ng	# 85
3) n-Nitrosodimethylamine	3.80	42	358	0.22	ng	95
6) bis(2-Chloroethyl)ether	7.59	93	606	0.21	ng	99
7) n-Nitroso-di-n-propylamine	8.98	70	554	0.24	ng	99
10) Nitrobenzene	9.39	77	695	0.23	ng	99
11) bis(2-Chloroethoxy)methane	10.40	93	1166	0.33	ng	# 85
12) Naphthalene	11.02	128	1994	0.22	ng	# 92
13) Hexachlorobutadiene	11.32	225	340	0.25	ng	# 96
14) 2-Methylnaphthalene	12.65	142	1338	0.22	ng	# 87
18) Acenaphthylene	14.58	152	10123	0.19	ng	# 95
19) 2,6-Dinitrotoluene	14.46	165	1151	0.21	ng	# 100
20) Acenaphthene	14.92	154	1333	0.23	ng	# 75
21) 2,4-Dinitrotoluene	15.25	165	1599	0.23	ng	# 1
22) Fluorene	15.89	166	2076	0.23	ng	99
23) 4-Chlorophenyl-phenylether	15.89	204	1210	0.27	ng	# 61
25) 4-Bromophenyl-phenylether	16.76	248	623	0.16	ng	99
26) Hexachlorobenzene	16.90	284	638	0.16	ng	98
27) Pentachlorophenol	17.26	266	101	0.09	ng	89
28) Phenanthrene	17.72	178	3635	0.15	ng	99
29) Anthracene	17.72	178	3745	0.17	ng	99
30) Fluoranthene	19.64	202	16218	0.15	ng	# 89
32) Benzidine	19.84	184	780	0.15	ng	# 1
33) Pyrene	19.98	202	22037	0.17	ng	97
35) Benzo(a)anthracene	21.72	228	11305	0.23	ng	92
36) 3,3'-Dichlorobenzidine	21.67	252	1668	0.18	ng	# 94
37) Chrysene	21.72	228	11507	0.28	ng	91
38) Bis(2-ethylhexyl)phthalate	21.65	149	5652	0.06	ng	# 31
39) Indeno(1,2,3-cd)pyrene	26.65	276	21665	0.18	ng	100
41) Benzo(b)fluoranthene	23.41	252	5143	0.18	ng	# 91
42) Benzo(k)fluoranthene	23.46	252	5826	0.20	ng	# 93
43) Benzo(a)pyrene	24.04	252	4771	0.20	ng	# 89
44) Dibenzo(a,h)anthracene	26.69	278	4433	0.22	ng	95
45) Benzo(a,h,i)perylene	27.43	276	18842	0.22	ng	96

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Instrument :
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Quant Time: Aug 01 16:00:01 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 15:59:29 2016
Response via : Initial Calibration

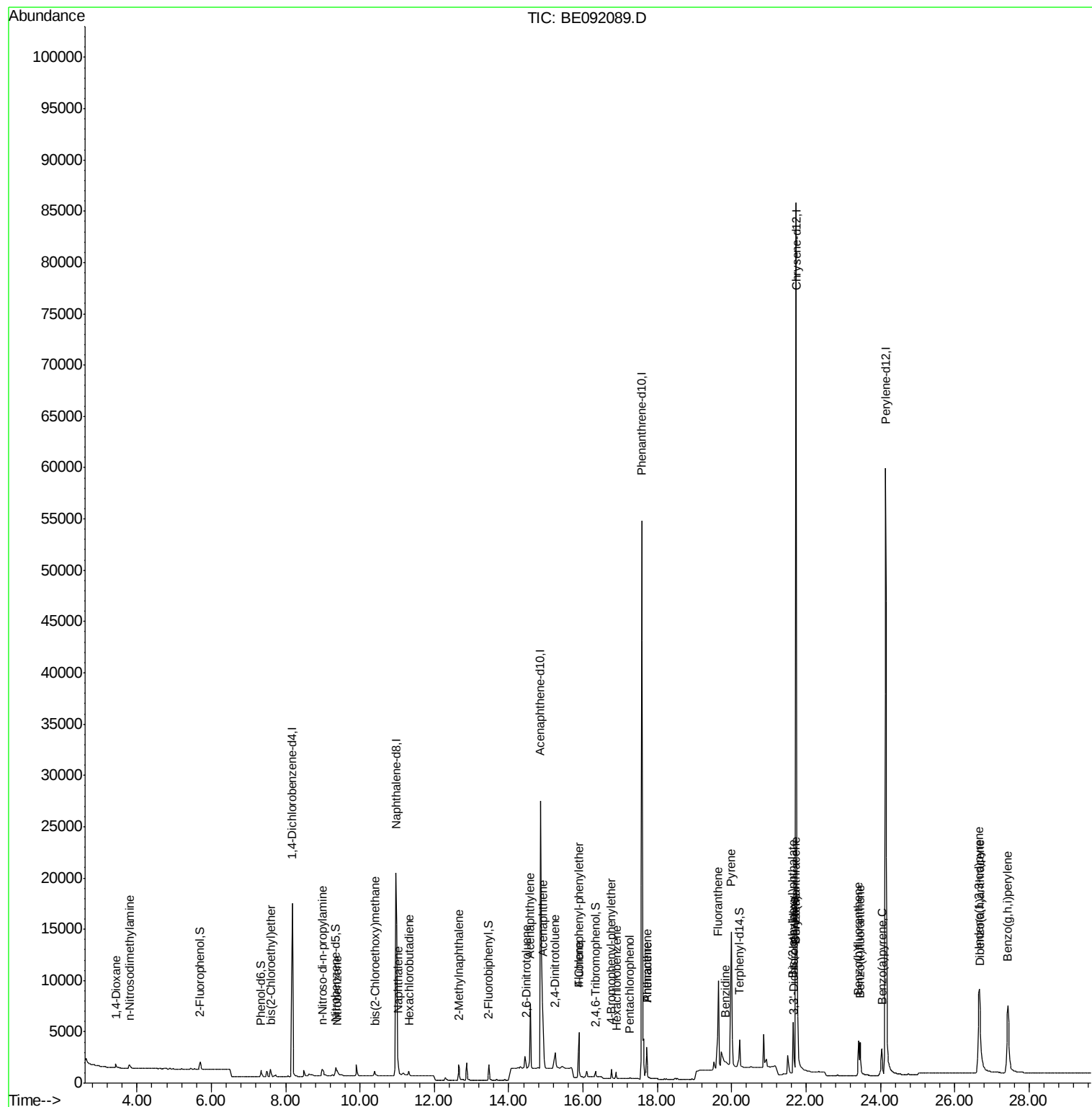
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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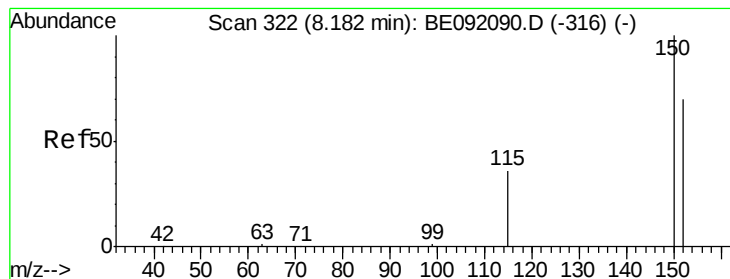
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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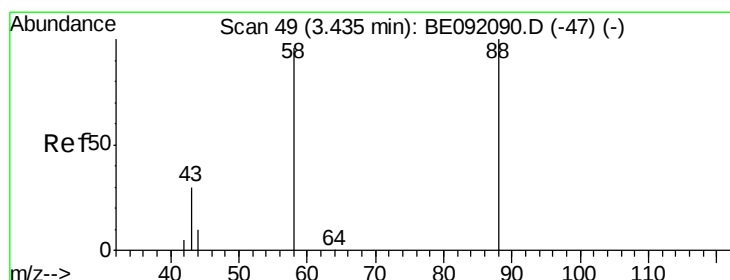
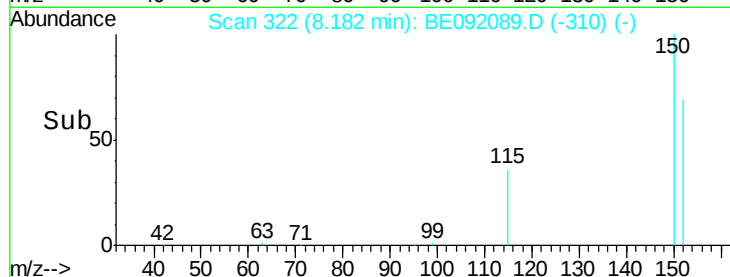
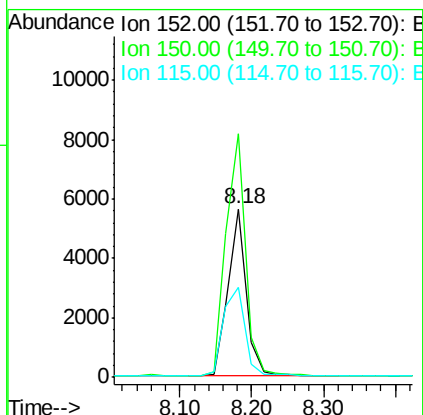
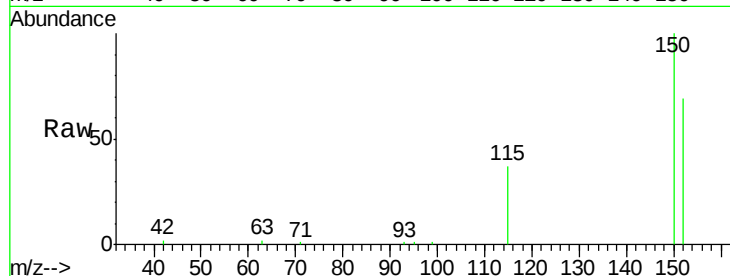


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.18 min Scan# 322
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Instrument :
BNA_E
ClientSampleId :

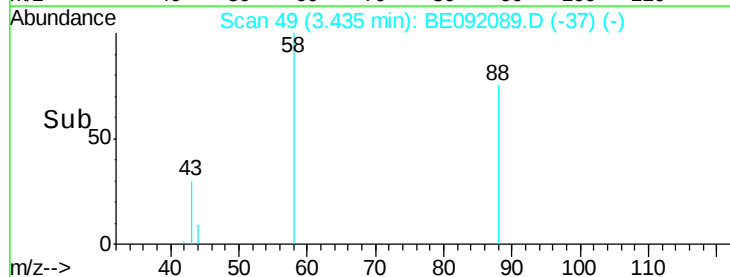
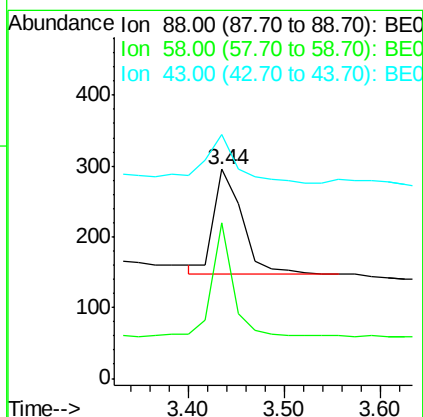
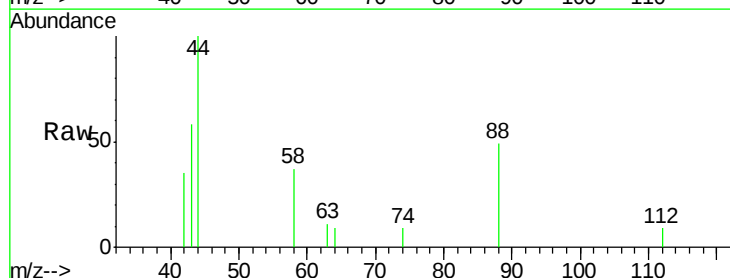
Tot Ion:152 Resp: 9810
Ion Ratio Lower Upper
152 100
150 144.3 106.0 159.0
115 53.3 36.9 55.3

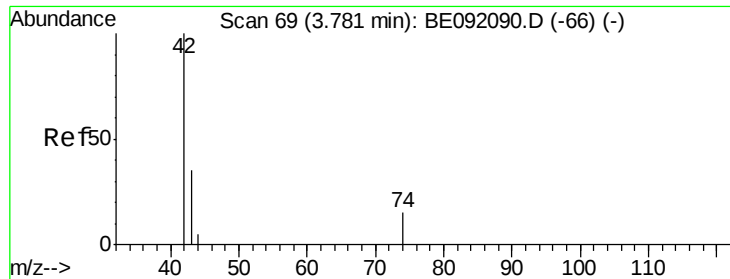


#2

1,4-Dioxane
Concen: 0.23 ng
RT: 3.44 min Scan# 49
Delta R.T. -0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion: 88 Resp: 305
Ion Ratio Lower Upper
88 100
58 82.6 62.1 93.1
43 54.1 27.2 40.8#



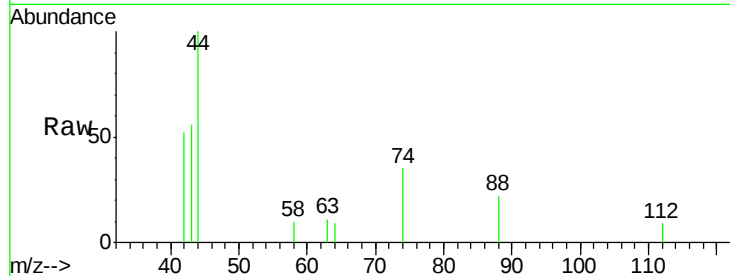


#3

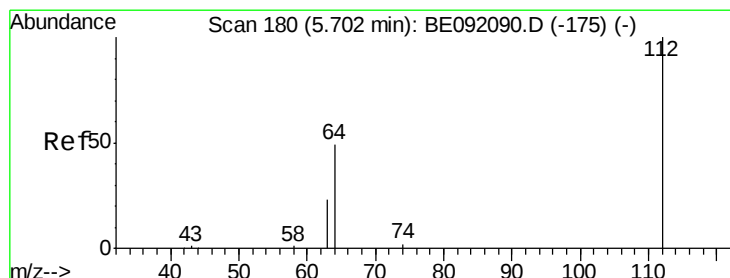
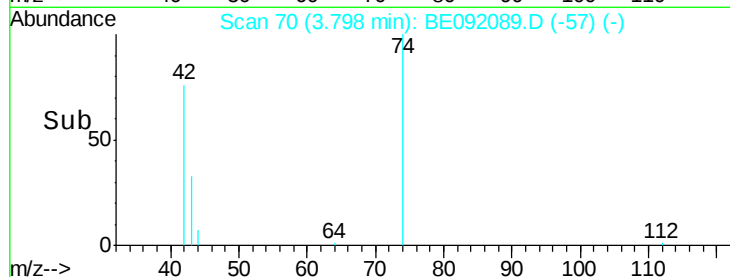
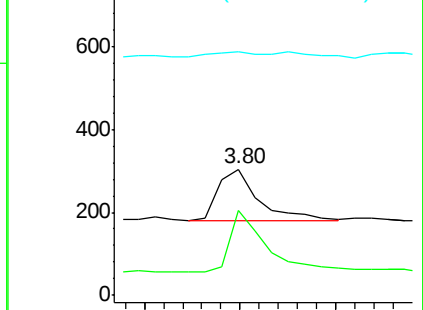
n-Nitrosodimethylamine
Concen: 0.22 ng
RT: 3.80 min Scan# 70
Delta R.T. 0.02 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 358
Ion Ratio Lower Upper
42 100
74 108.7 82.8 124.2
44 9.8 9.0 13.4



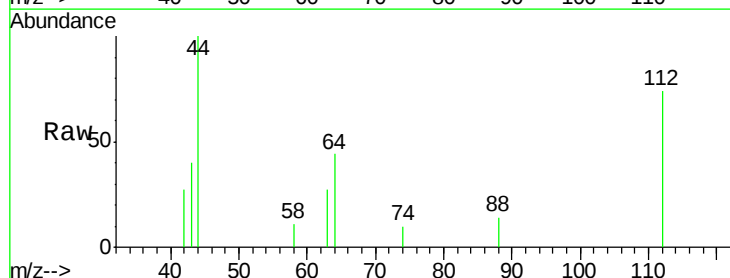
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



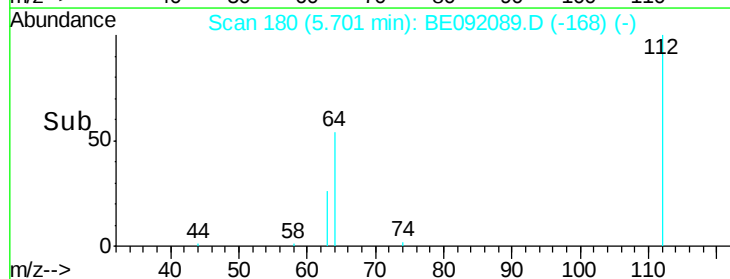
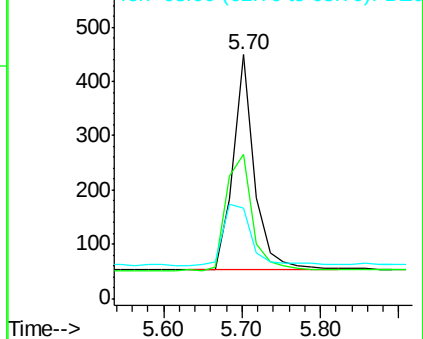
#4

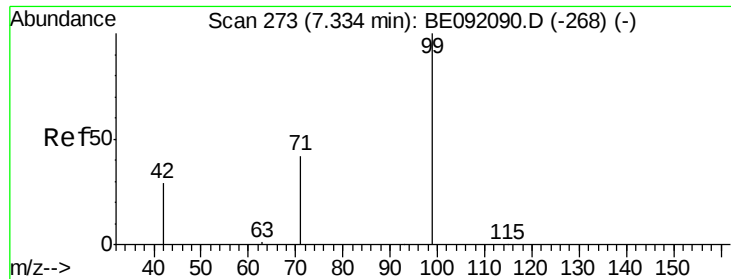
2-Fluorophenol
Concen: 0.35 ng
RT: 5.70 min Scan# 180
Delta R.T. -0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion: 112 Resp: 758
Ion Ratio Lower Upper
112 100
64 66.2 55.9 83.9
63 36.9 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: 0.30 ng

RT: 7.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

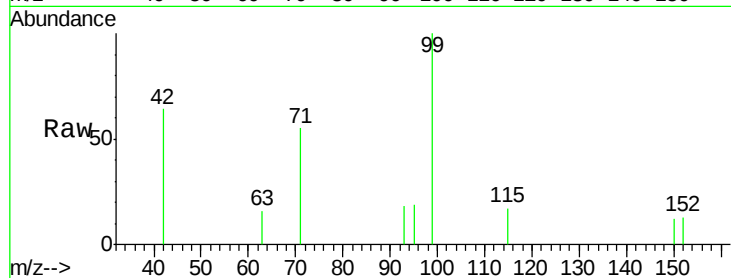
Tot Ion: 99 Resp: 878

Ion Ratio Lower Upper

99 100

42 28.6 22.4 33.6

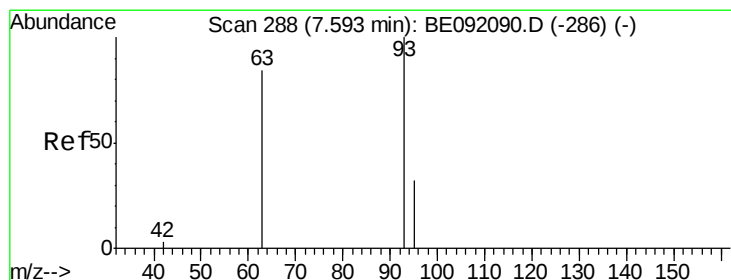
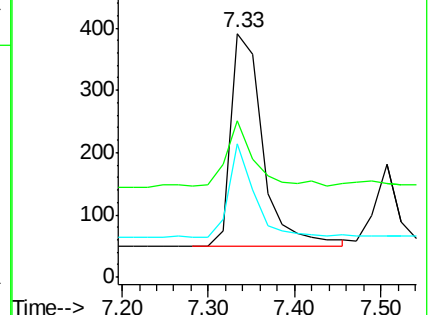
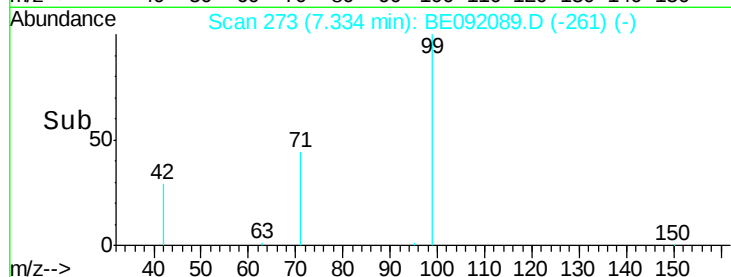
71 35.1 28.9 43.3



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: 0.21 ng

RT: 7.59 min Scan# 288

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

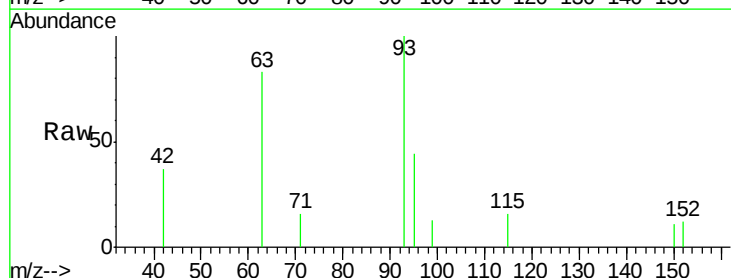
Tgt Ion: 93 Resp: 606

Ion Ratio Lower Upper

93 100

63 81.8 64.4 96.6

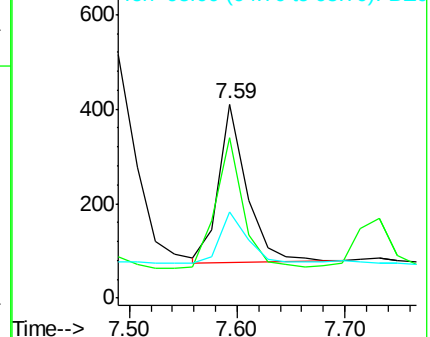
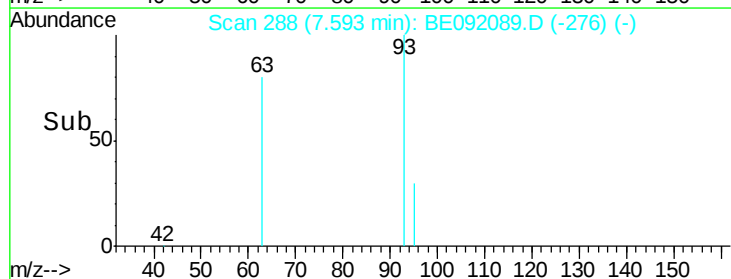
95 32.0 25.8 38.8

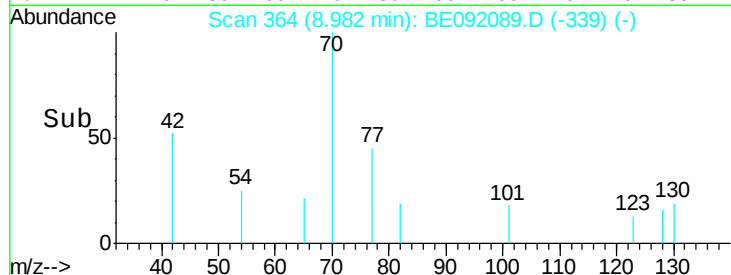
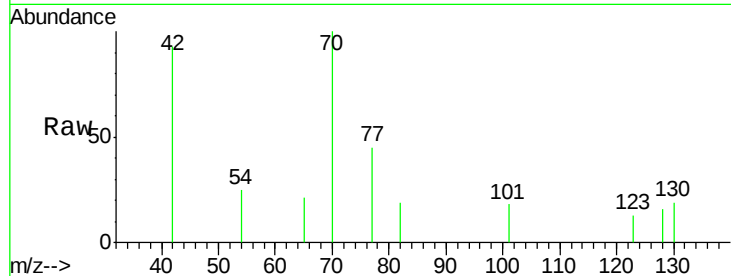
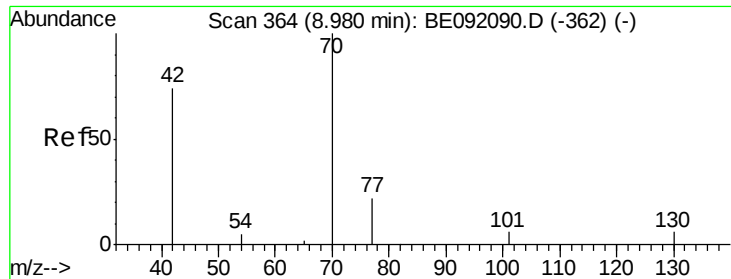


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.24 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampled :

Tot Ion: 70 Resp: 554

Ion Ratio Lower Upper

70 100

42 74.5 60.2 90.4

101 10.1 6.8 10.2

130 16.6 13.3 19.9

Abundance Ion 70.00 (69.70 to 70.70): BE092089.D (-339) (-)

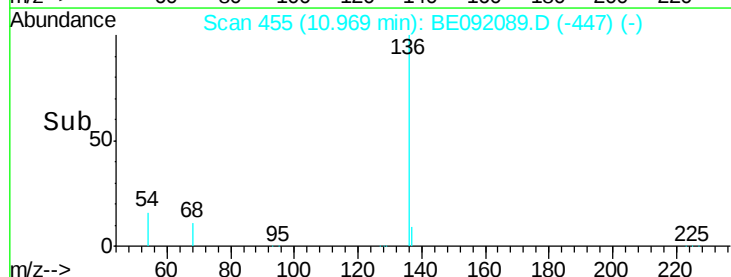
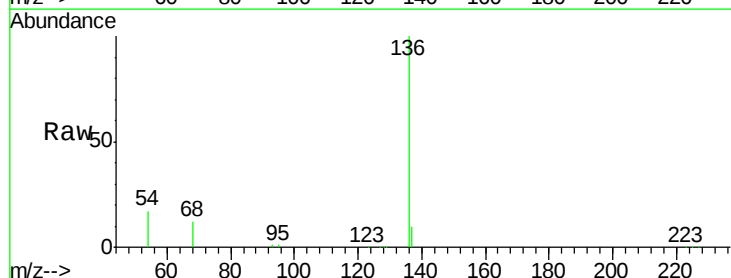
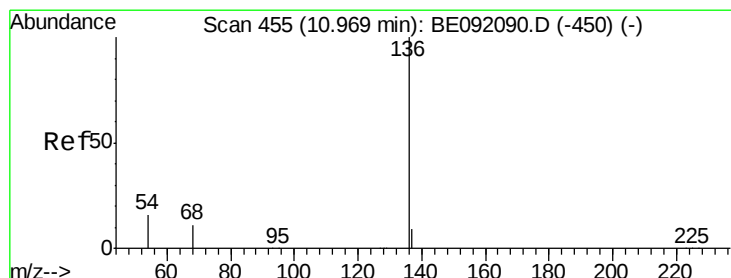
Ion 42.00 (41.70 to 42.70): BE092089.D (-339) (-)

Ion 101.00 (100.70 to 101.70): BE092089.D (-339) (-)

Ion 130.00 (129.70 to 130.70): BE092089.D (-339) (-)

8.98

Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Tgt Ion: 136 Resp: 42256

Ion Ratio Lower Upper

136 100

137 9.7 9.1 13.7

54 16.9 2.7 4.1#

68 11.8 2.2 3.4#

Abundance Ion 136.00 (135.70 to 136.70): BE092089.D (-447) (-)

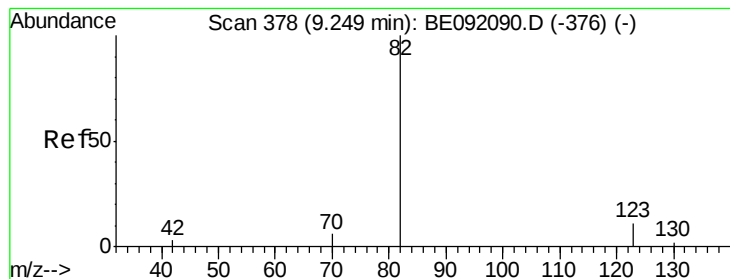
Ion 137.00 (136.70 to 137.70): BE092089.D (-447) (-)

Ion 54.00 (53.70 to 54.70): BE092089.D (-447) (-)

Ion 68.00 (67.70 to 68.70): BE092089.D (-447) (-)

10.97

Time-->



#9

Nitrobenzene-d5

Concen: 0.29 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

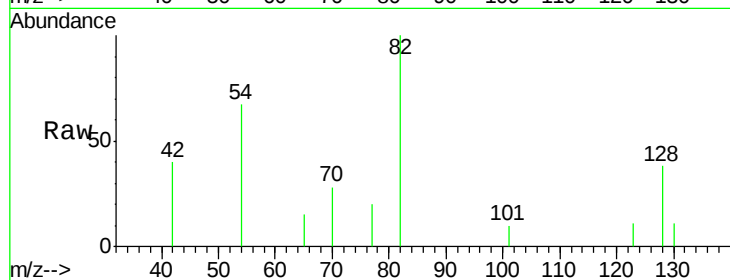
Tot Ion: 82 Resp: 906

Ion Ratio Lower Upper

82 100

128 37.6 33.0 49.4

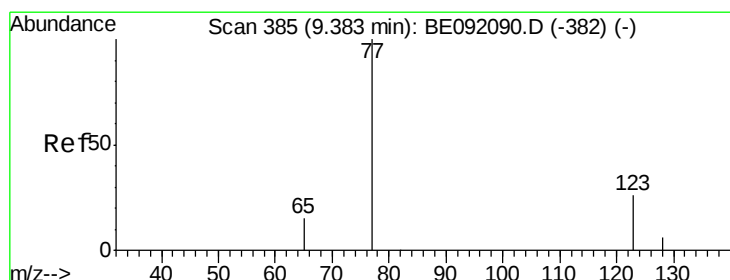
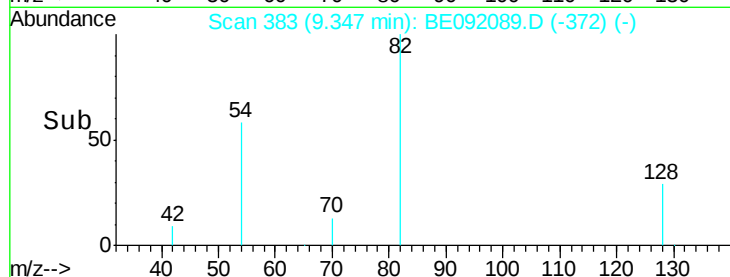
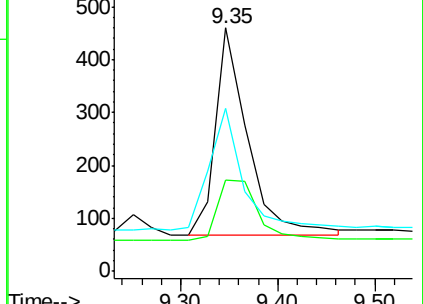
54 66.7 42.6 63.8#



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: 0.23 ng

RT: 9.39 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

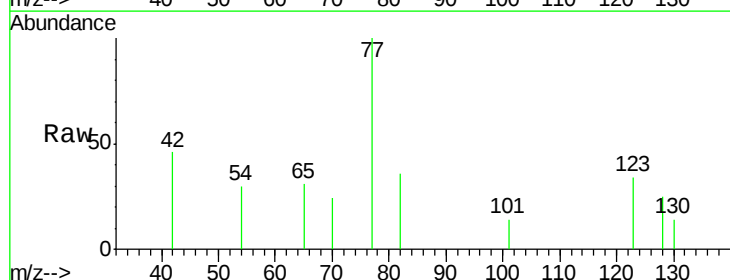
Tgt Ion: 77 Resp: 695

Ion Ratio Lower Upper

77 100

123 38.1 29.9 44.9

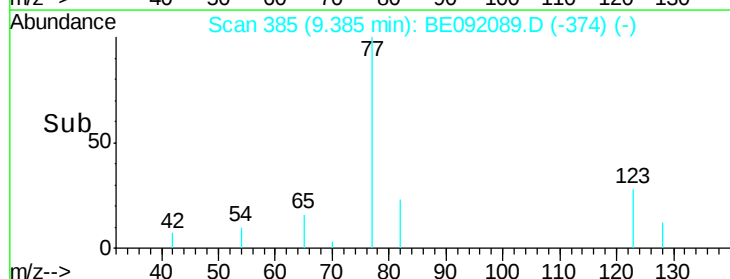
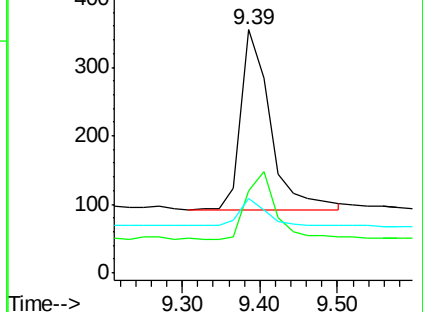
65 13.4 11.4 17.0

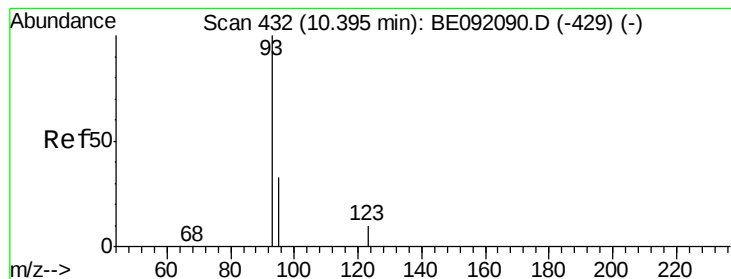


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

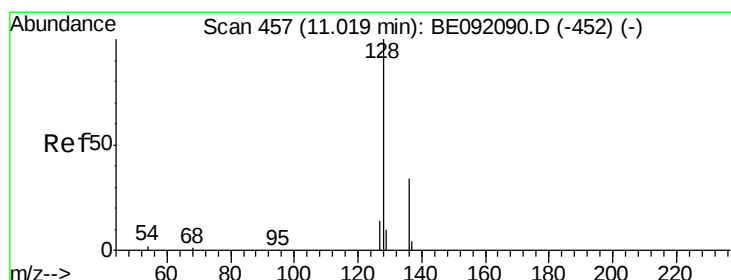
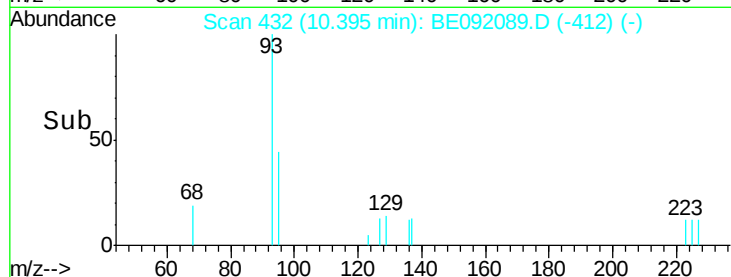
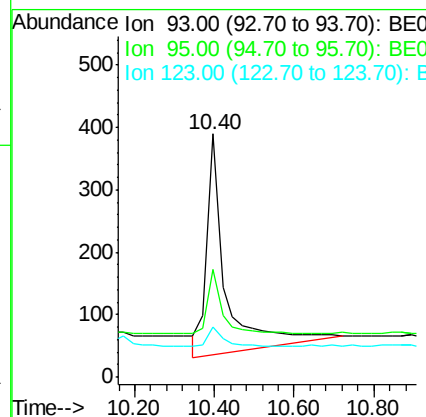
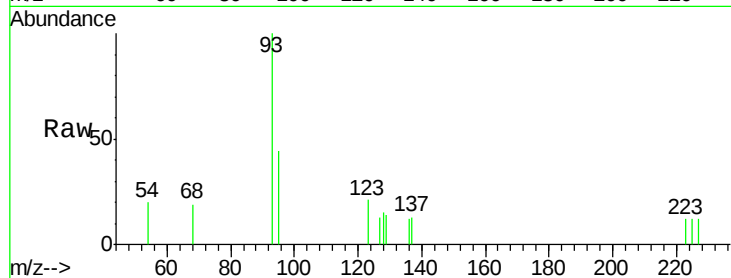




#11
bis(2-Chloroethoxy)methane
Concen: 0.33 ng
RT: 10.40 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

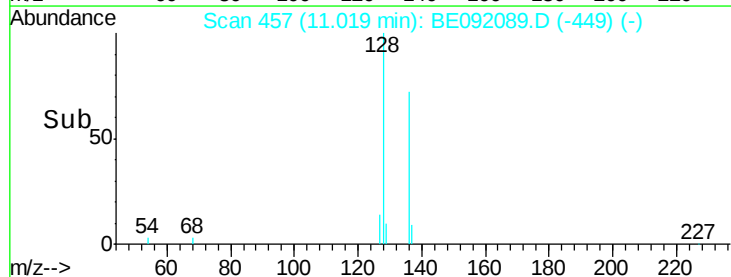
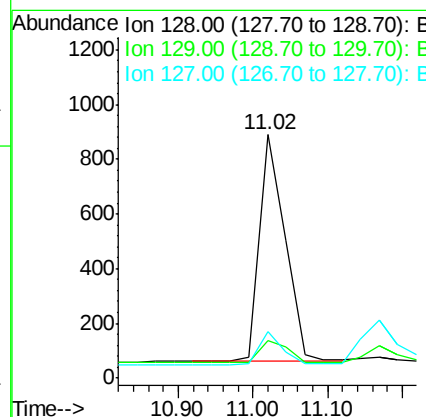
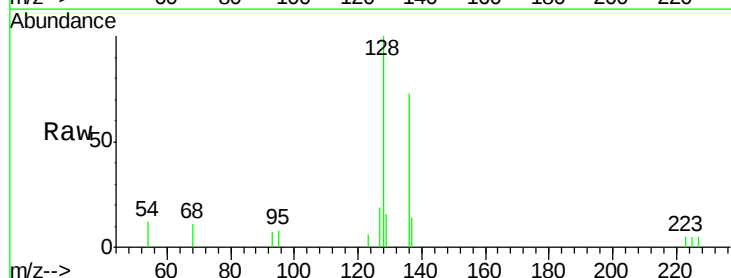
Instrument :
BNA_E
ClientSampleId :

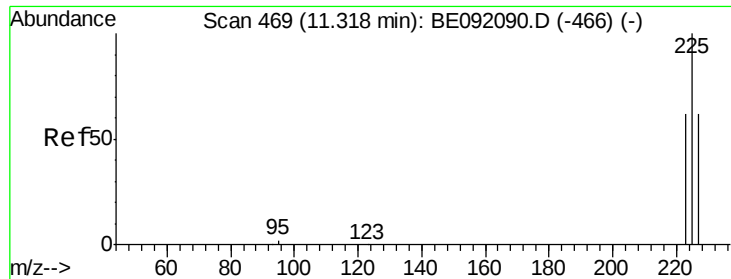
Tot Ion: 93 Resp: 1166
Ion Ratio Lower Upper
93 100
95 22.0 25.0 37.6#
123 6.9 7.8 11.8#



#12
Naphthalene
Concen: 0.22 ng
RT: 11.02 min Scan# 457
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion: 128 Resp: 1994
Ion Ratio Lower Upper
128 100
129 15.6 11.1 16.7
127 19.0 11.3 16.9#

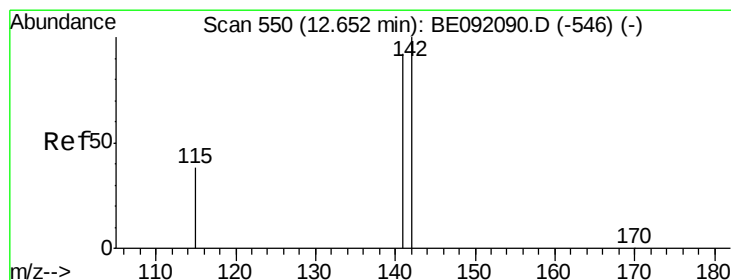
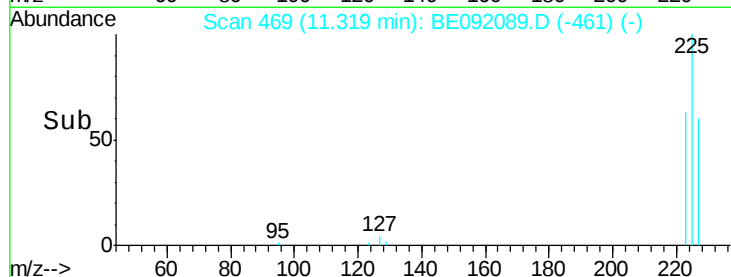
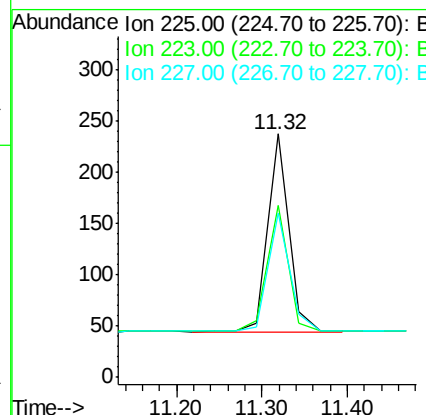
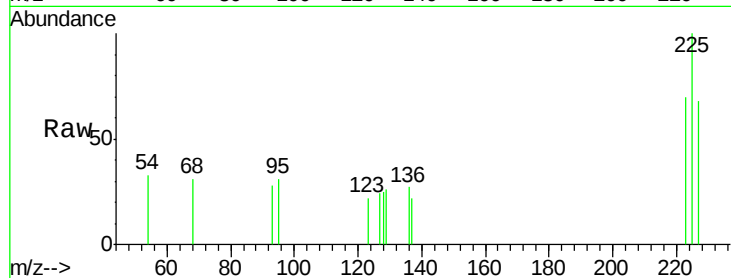




#13
Hexachlorobutadiene
Concen: 0.25 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

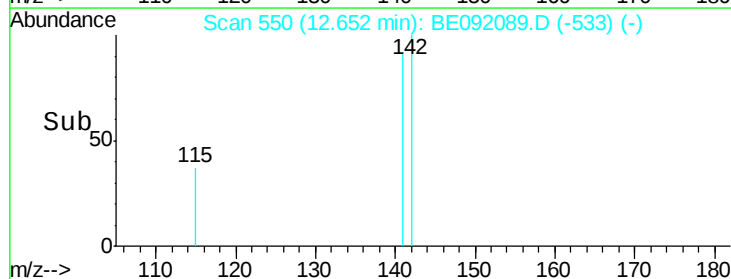
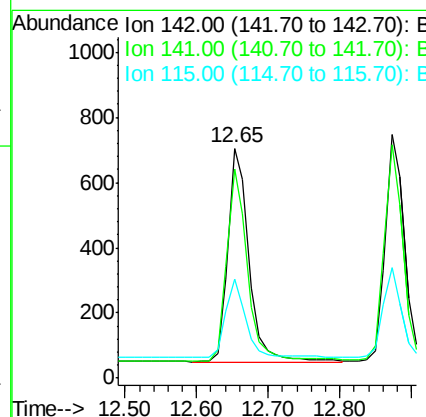
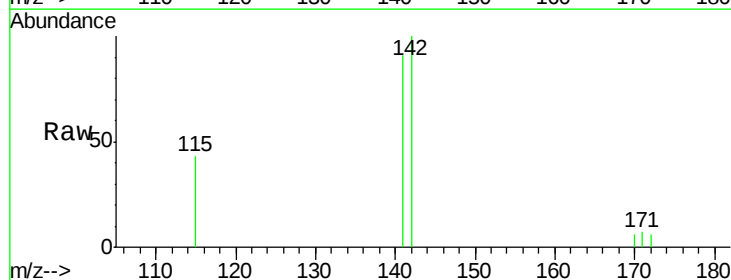
Instrument :
BNA_E
ClientSampleId :

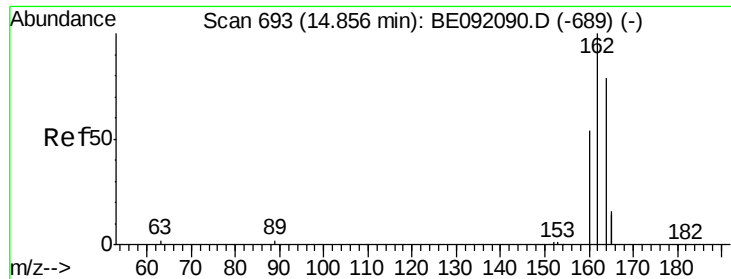
Tot Ion:225 Resp: 340
Ion Ratio Lower Upper
225 100
223 62.1 51.9 77.9
227 60.3 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.22 ng
RT: 12.65 min Scan# 550
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion:142 Resp: 1338
Ion Ratio Lower Upper
142 100
141 91.2 65.1 97.7
115 43.3 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: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

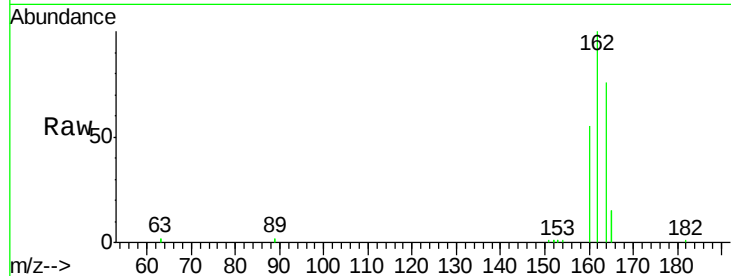
Tot Ion:164 Resp: 20935

Ion Ratio Lower Upper

164 100

162 131.0 69.5 104.3#

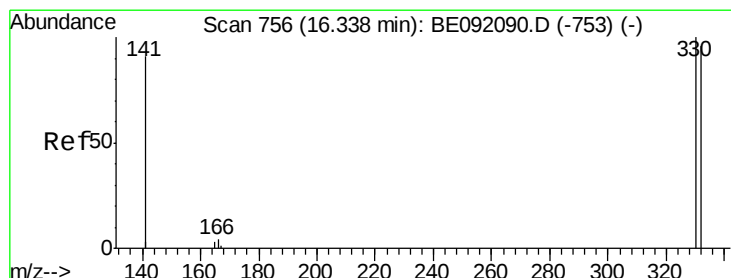
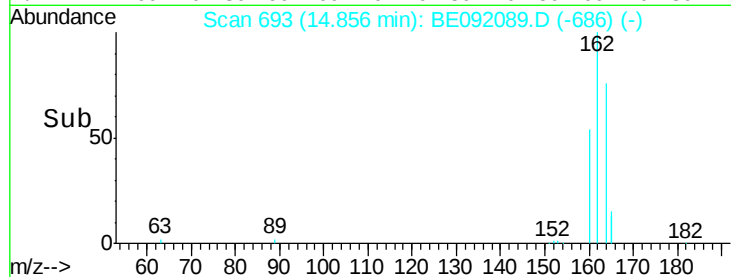
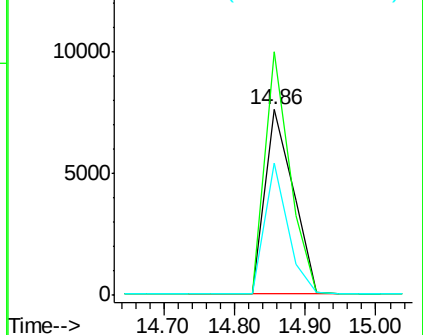
160 71.4 27.6 41.4#



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: 0.44 ng

RT: 16.34 min Scan# 756

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

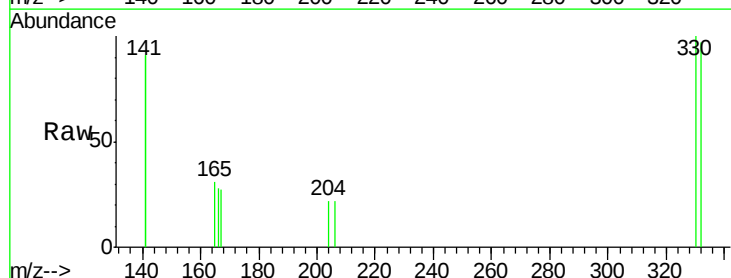
Tgt Ion:330 Resp: 326

Ion Ratio Lower Upper

330 100

332 100.0 74.2 111.4

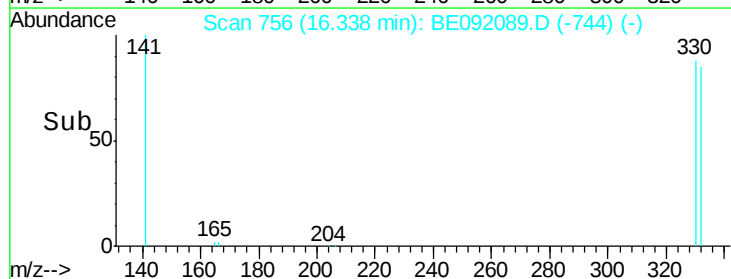
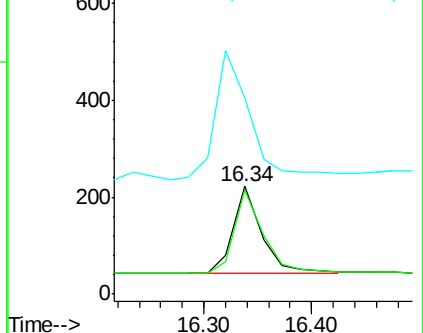
141 186.5 139.8 209.8

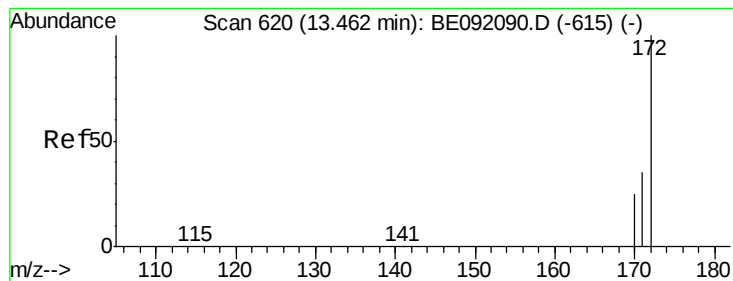


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

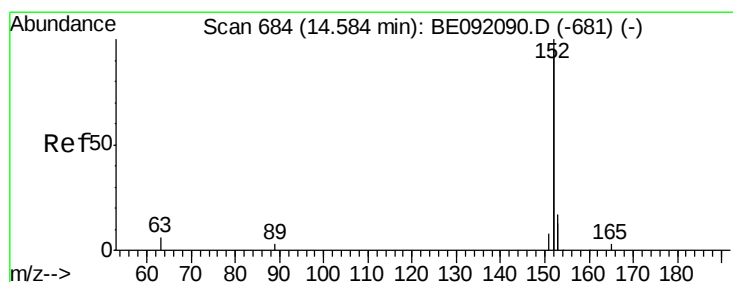
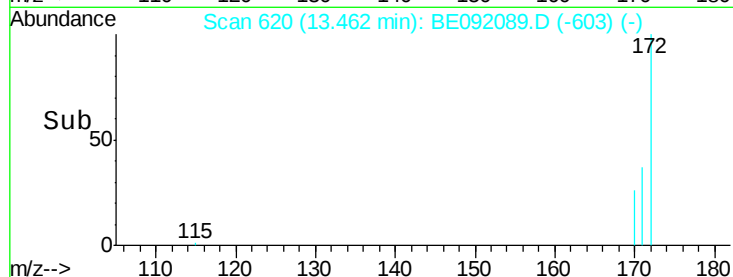
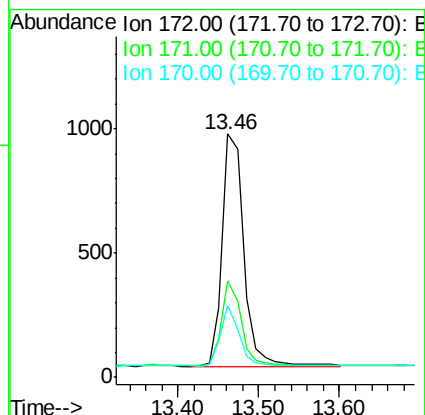
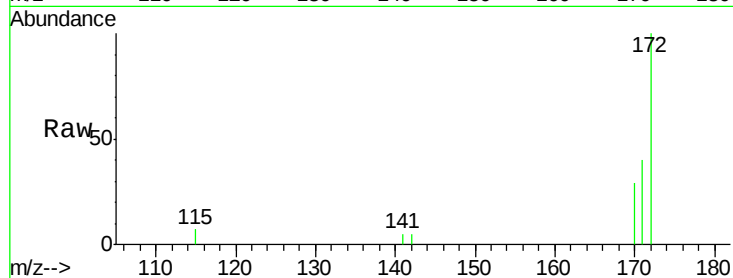




#17
2-Fluorobiphenyl
Concen: 0.21 ng
RT: 13.46 min Scan# 620
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

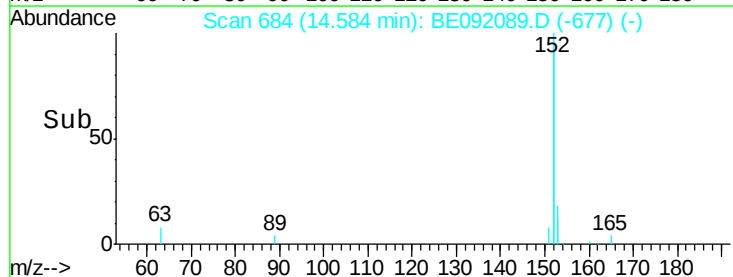
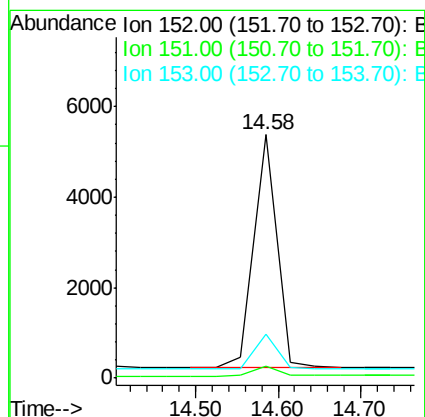
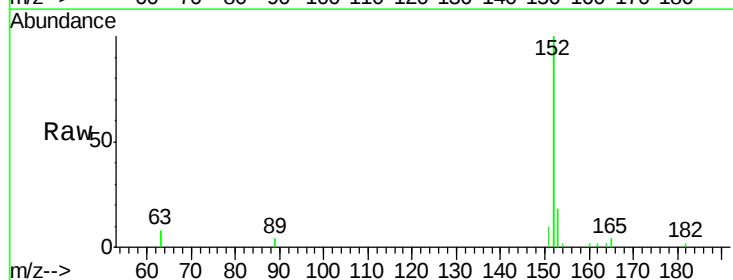
Instrument :
BNA_E
ClientSampleId :

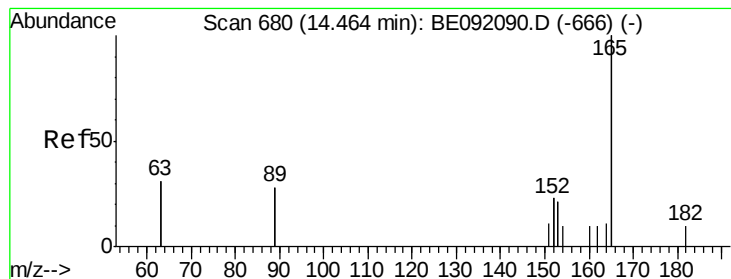
Tot Ion:172 Resp: 1745
Ion Ratio Lower Upper
172 100
171 39.8 30.3 45.5
170 29.5 21.6 32.4



#18
Acenaphthylene
Concen: 0.19 ng
RT: 14.58 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion:152 Resp: 10123
Ion Ratio Lower Upper
152 100
151 4.4 4.0 6.0
153 14.4 9.6 14.4#





#19

2,6-Dinitrotoluene

Concen: 0.21 ng

RT: 14.46 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

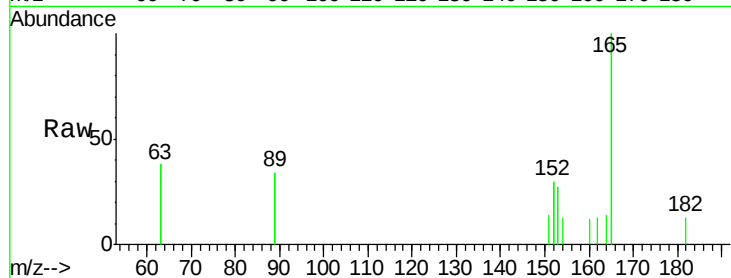
Tot Ion:165 Resp: 1151

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

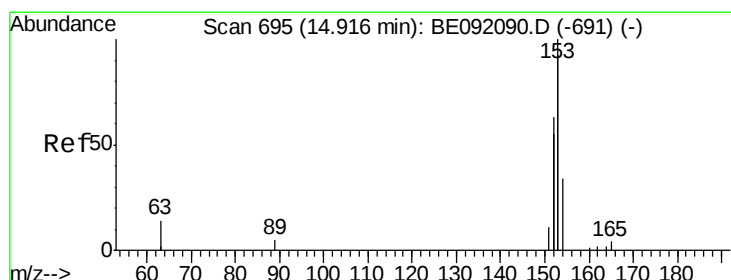
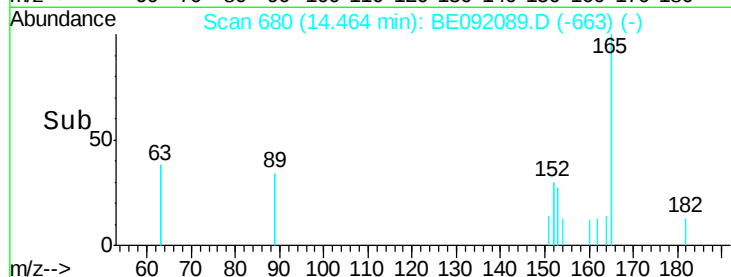
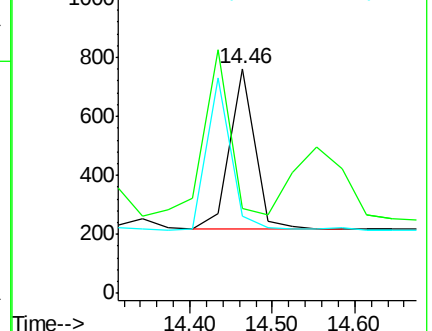
89 0.0 0.0 0.0



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: 0.23 ng

RT: 14.92 min Scan# 695

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

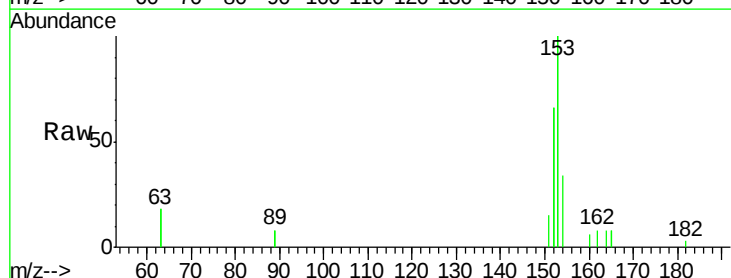
Tgt Ion:154 Resp: 1333

Ion Ratio Lower Upper

154 100

153 492.6 345.1 517.7

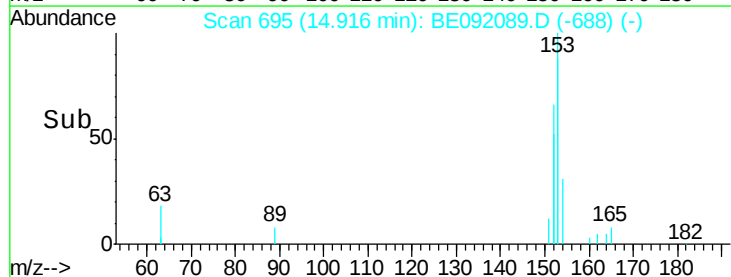
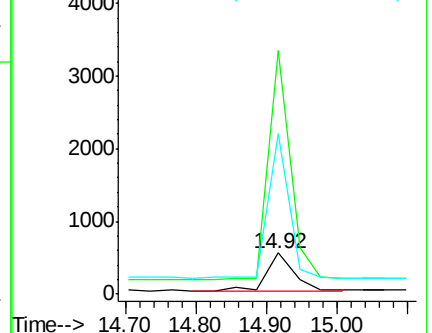
152 289.9 0.0 0.0#

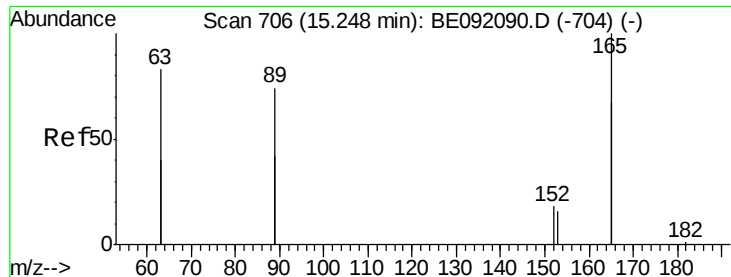


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

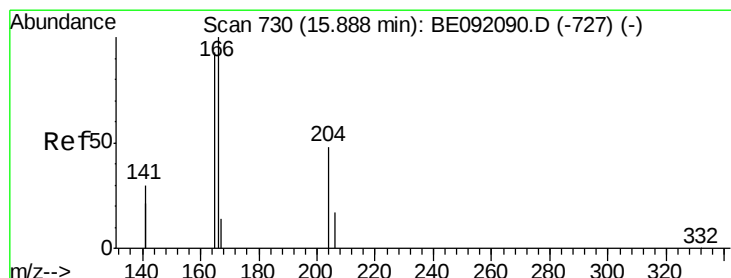
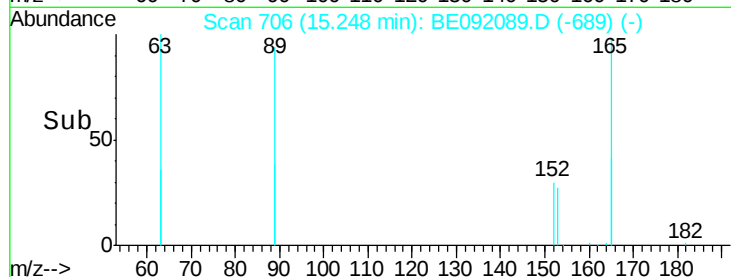
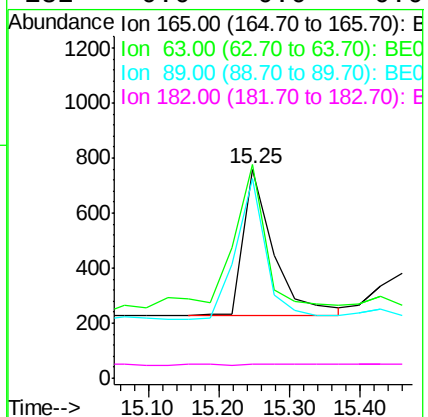
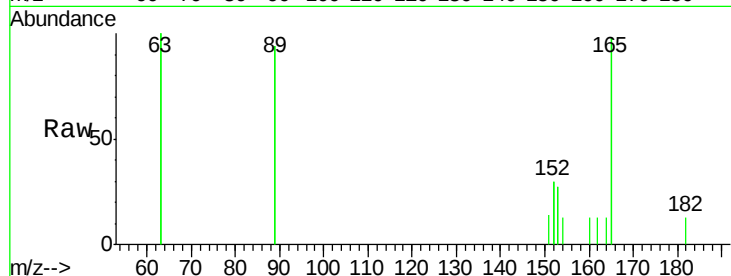




#21
2,4-Dinitrotoluene
Concen: 0.23 ng
RT: 15.25 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

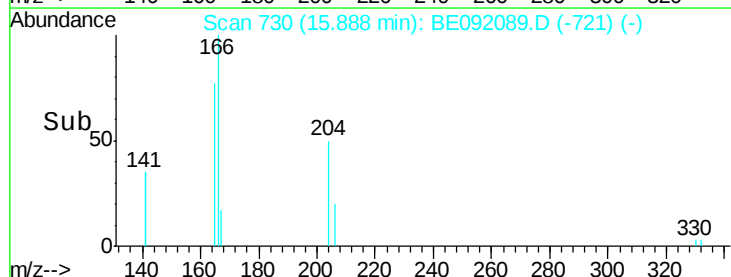
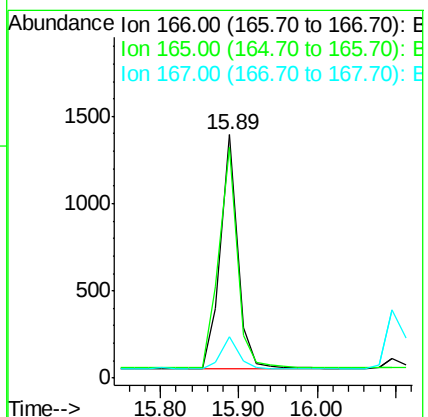
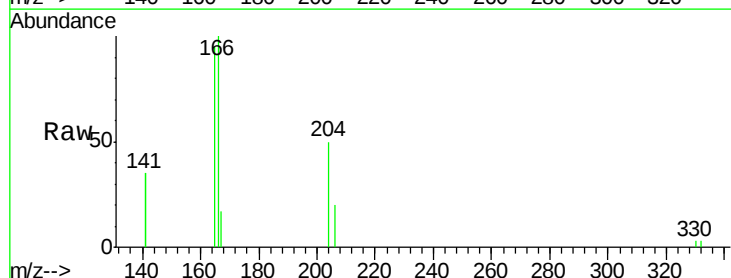
Instrument :
BNA_E
ClientSampleId :

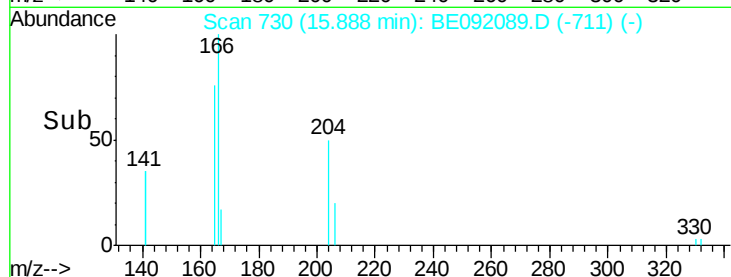
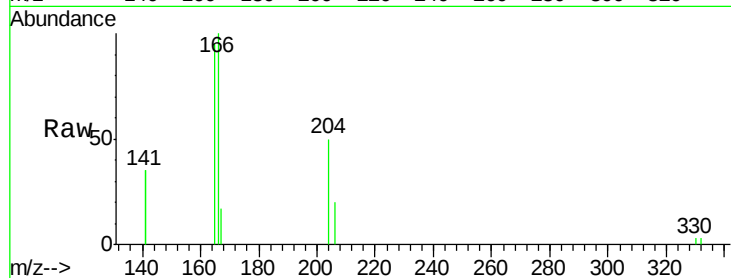
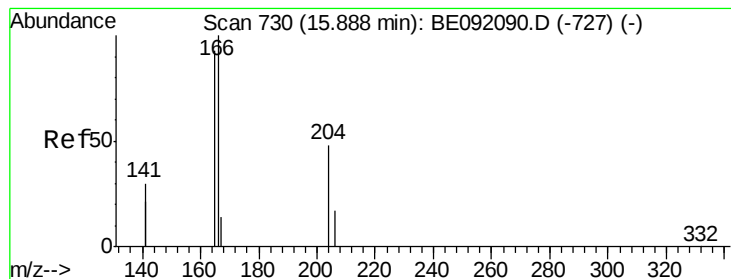
Tot Ion:165 Resp: 1599
Ion Ratio Lower Upper
165 100
63 92.0 324.0 486.0#
89 98.0 308.4 462.6#
182 0.0 0.0 0.0



#22
Fluorene
Concen: 0.23 ng
RT: 15.89 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion:166 Resp: 2076
Ion Ratio Lower Upper
166 100
165 99.5 78.6 118.0
167 13.8 11.1 16.7





#23

4-Chlorophenyl-phenylether

Concen: 0.27 ng

RT: 15.89 min Scan# 730

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

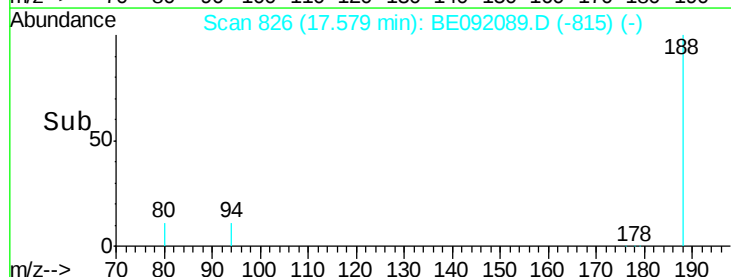
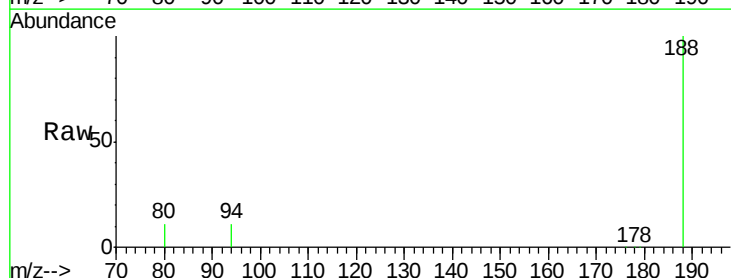
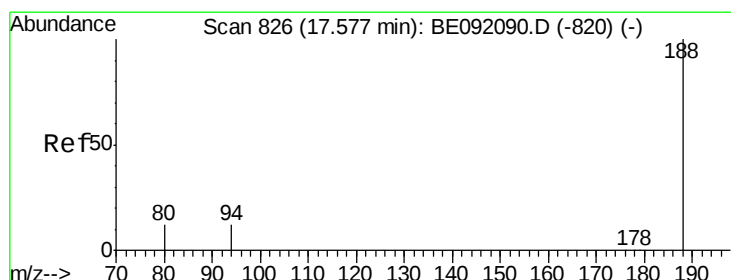
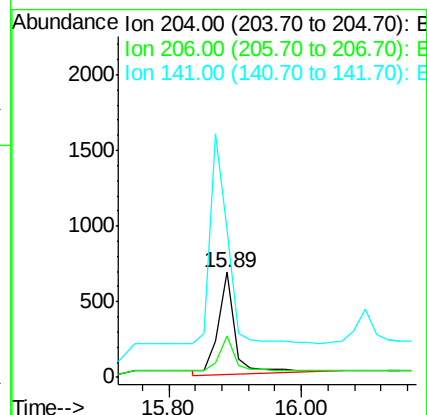
Tot Ion:204 Resp: 1210

Ion Ratio Lower Upper

204 100

206 43.0 27.0 40.4#

141 320.9 198.5 297.7#



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

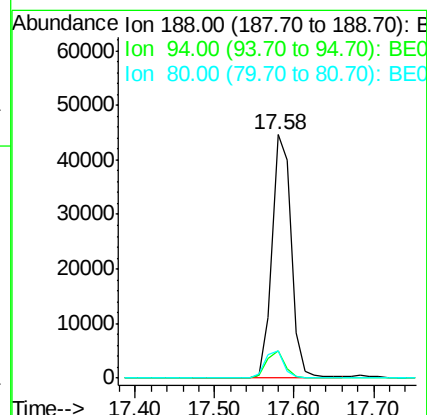
Tgt Ion:188 Resp: 93154

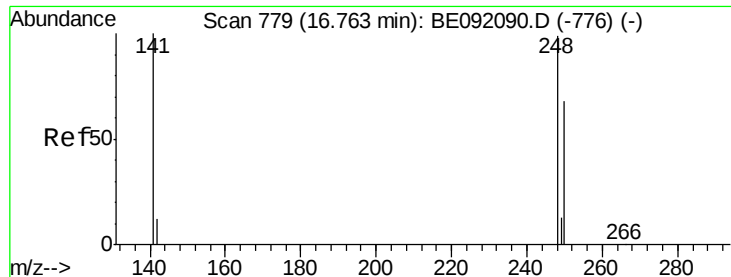
Ion Ratio Lower Upper

188 100

94 11.2 3.9 5.9#

80 11.3 3.4 5.0#

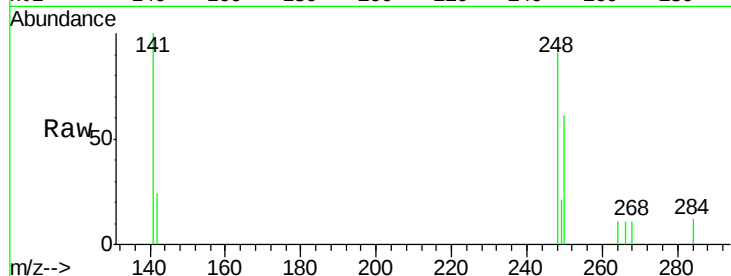




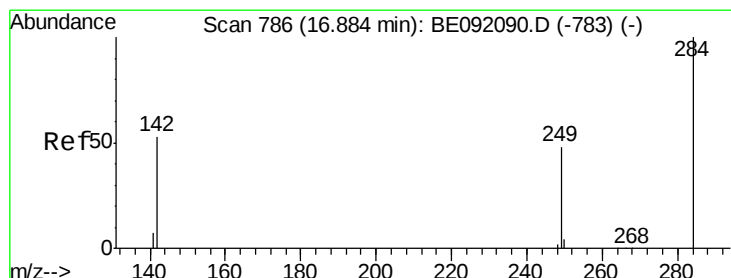
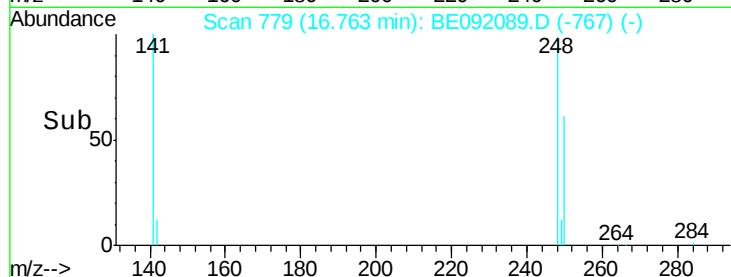
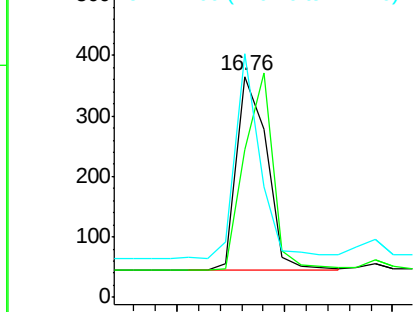
#25
4-Bromophenyl-phenylether
Concen: 0.16 ng
RT: 16.76 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Instrument :
BNA_E
ClientSampled :

Tot Ion:248 Resp: 623
Ion Ratio Lower Upper
248 100
250 97.0 79.6 119.4
141 86.0 68.7 103.1

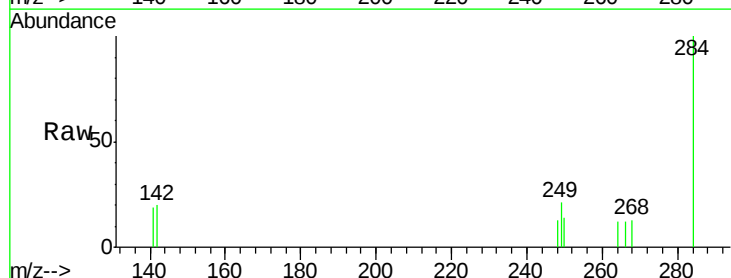


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

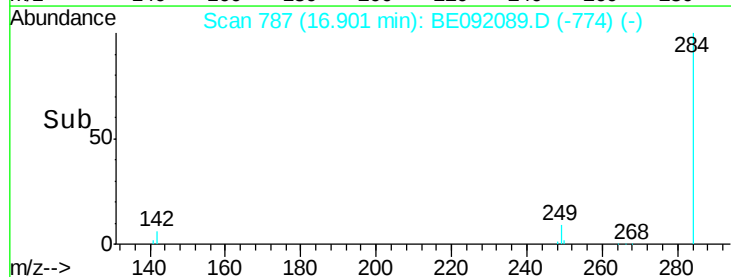
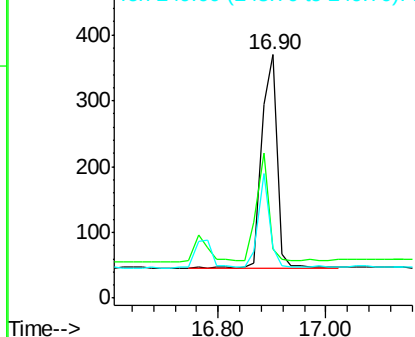


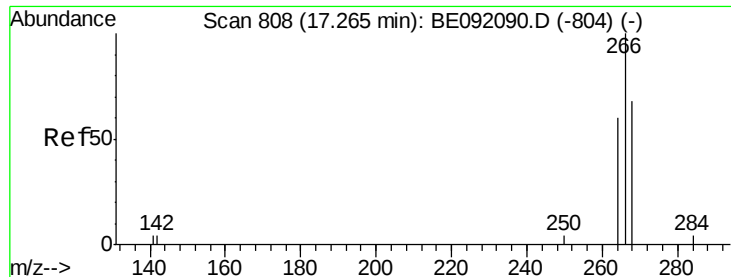
#26
Hexachlorobenzene
Concen: 0.16 ng
RT: 16.90 min Scan# 787
Delta R.T. 0.02 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion:284 Resp: 638
Ion Ratio Lower Upper
284 100
142 39.5 33.3 49.9
249 32.3 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

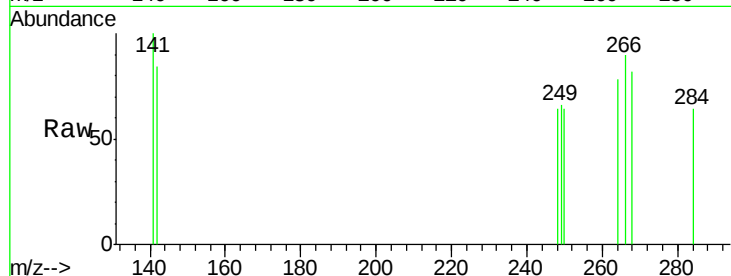




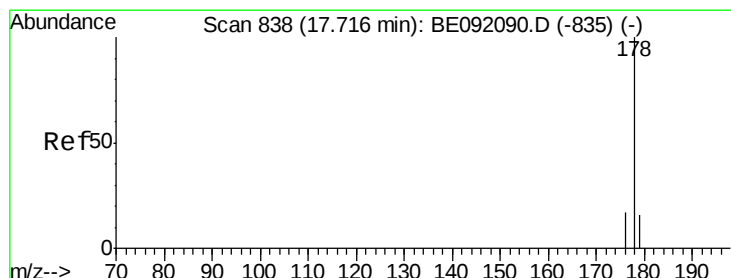
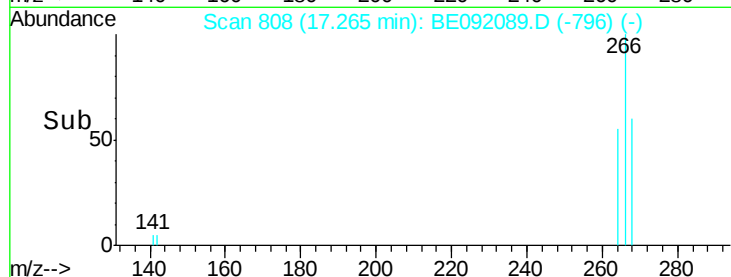
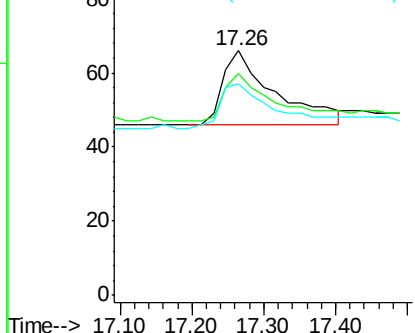
#27
 Pentachlorophenol
 Concen: 0.09 ng
 RT: 17.26 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BE092089.D
 Acq: 1 Aug 2016 12:25

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:266 Resp: 101
 Ion Ratio Lower Upper
 266 100
 268 90.9 62.7 94.1
 264 86.4 63.5 95.3

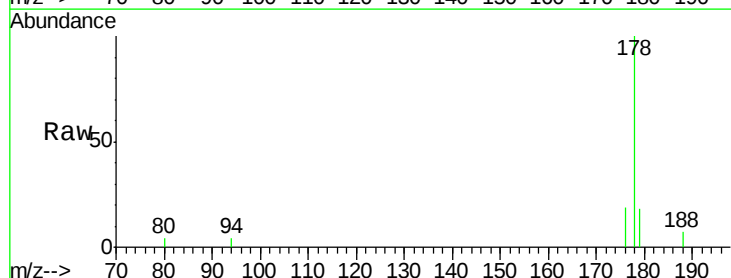


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

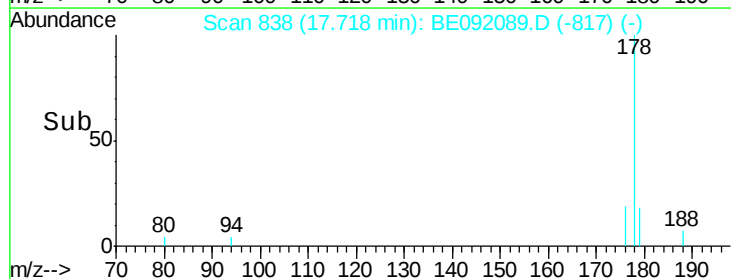
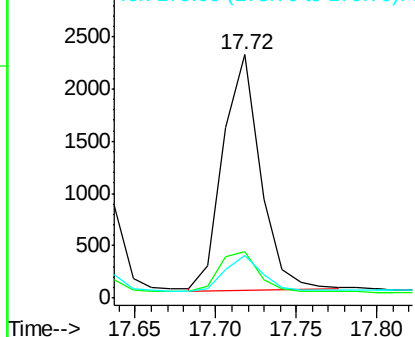


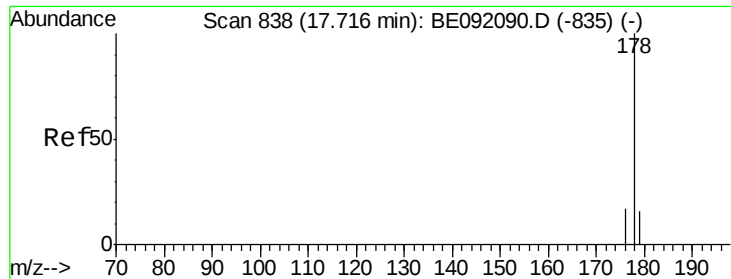
#28
 Phenanthrene
 Concen: 0.15 ng
 RT: 17.72 min Scan# 838
 Delta R.T. 0.09 min
 Lab File: BE092089.D
 Acq: 1 Aug 2016 12:25

Tgt Ion:178 Resp: 3635
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.4 23.0
 179 16.4 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

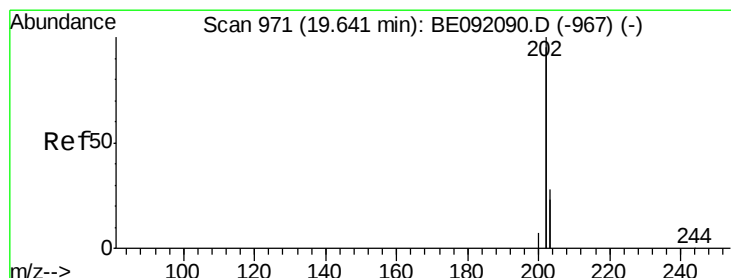
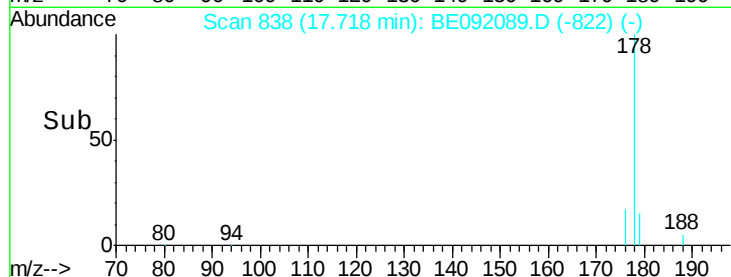
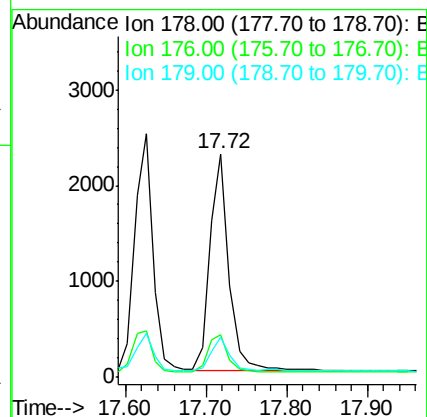
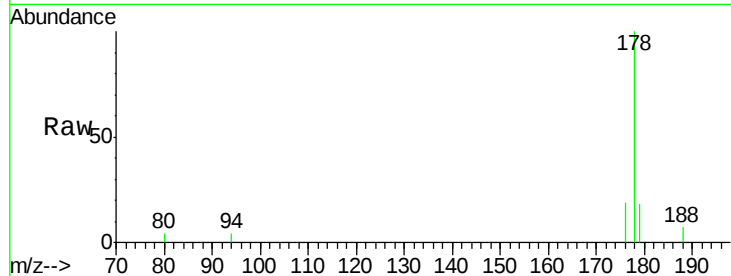




#29
 Anthracene
 Concen: 0.17 ng
 RT: 17.72 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BE092089.D
 Acq: 1 Aug 2016 12:25

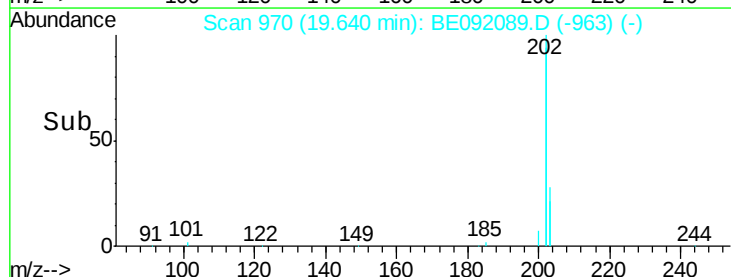
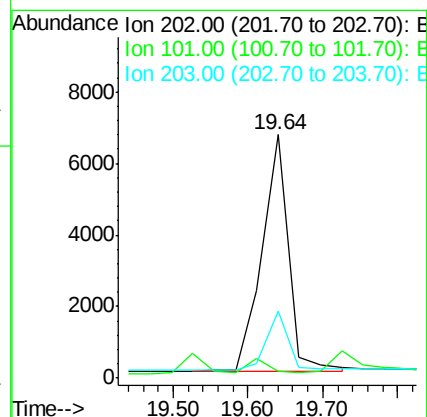
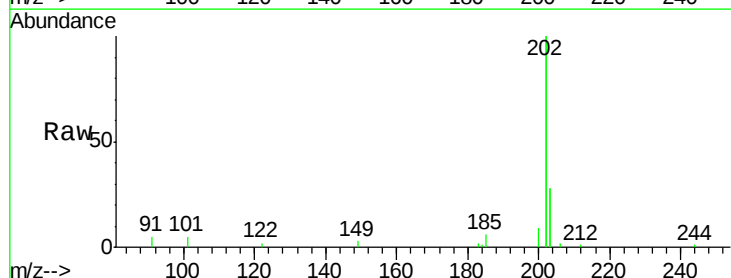
Instrument :
 BNA_E
 ClientSampleId :

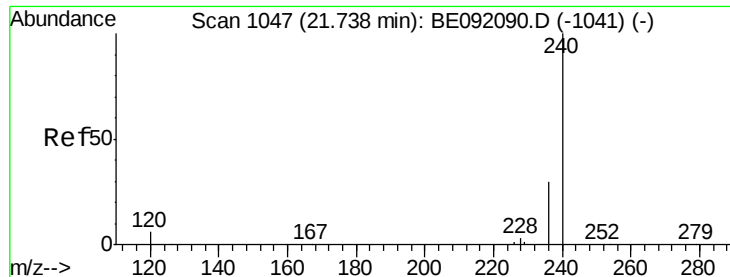
Tot Ion:178 Resp: 3745
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.2 22.8
 179 14.3 12.2 18.4



#30
 Fluoranthene
 Concen: 0.15 ng
 RT: 19.64 min Scan# 970
 Delta R.T. -0.00 min
 Lab File: BE092089.D
 Acq: 1 Aug 2016 12:25

Tgt Ion:202 Resp: 16218
 Ion Ratio Lower Upper
 202 100
 101 0.0 2.2 3.2#
 203 21.0 13.0 19.4#

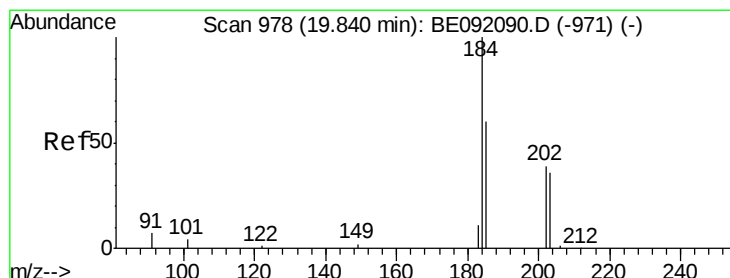
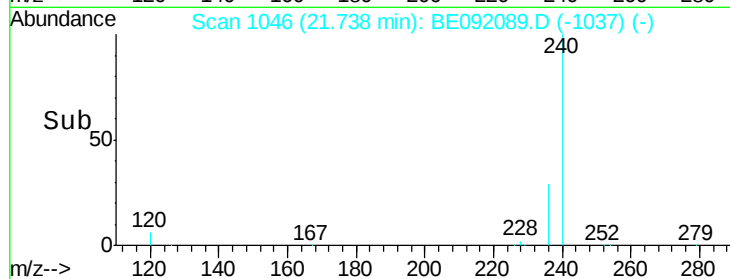
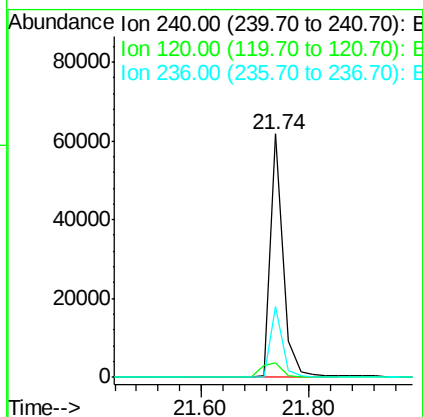
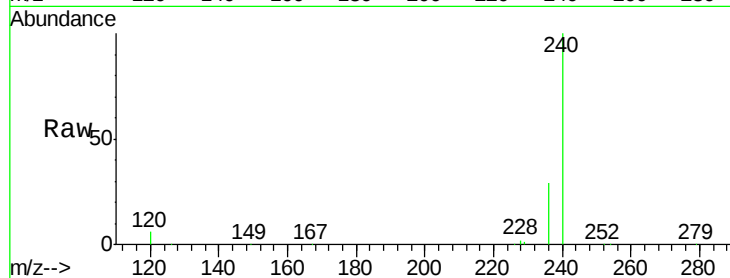




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.74 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

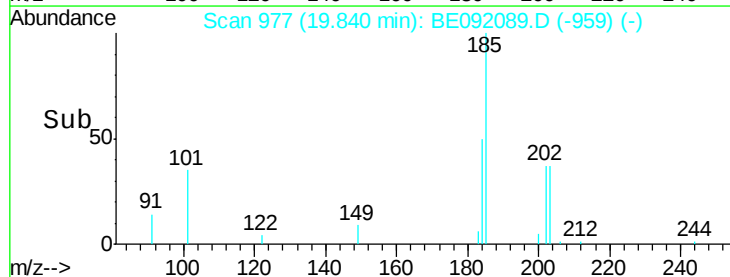
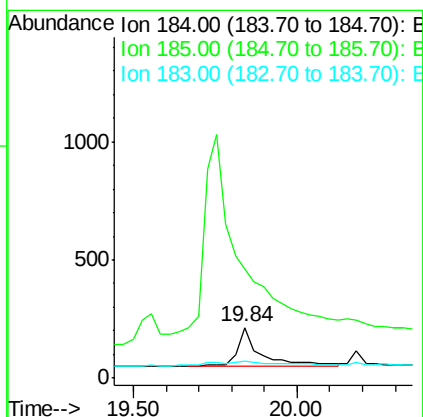
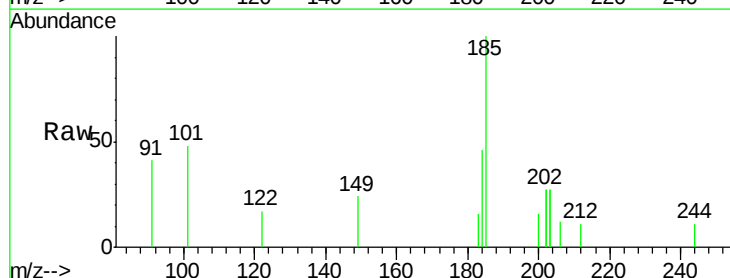
Instrument :
BNA_E
ClientSampleId :

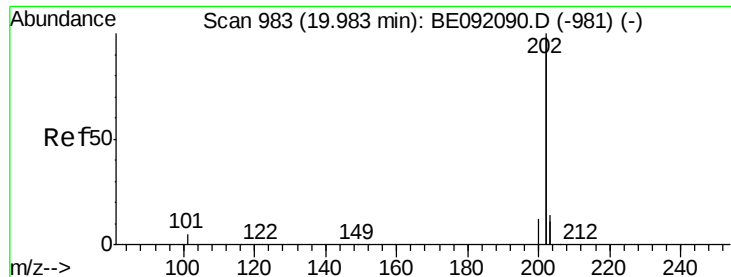
Tot Ion:240 Resp: 102701
Ion Ratio Lower Upper
240 100
120 6.0 0.6 1.0#
236 29.1 18.2 27.4#



#32
Benzidine
Concen: 0.15 ng
RT: 19.84 min Scan# 977
Delta R.T. -0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion:184 Resp: 780
Ion Ratio Lower Upper
184 100
185 215.8 23.8 35.6#
183 34.4 20.7 31.1#

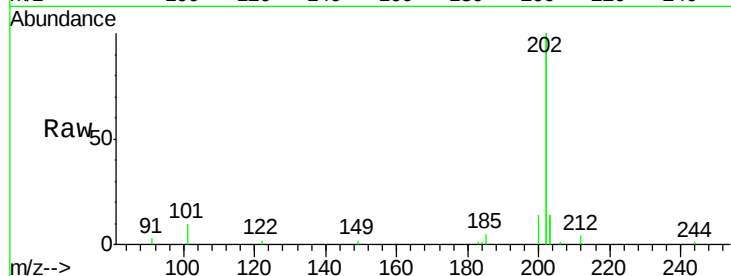




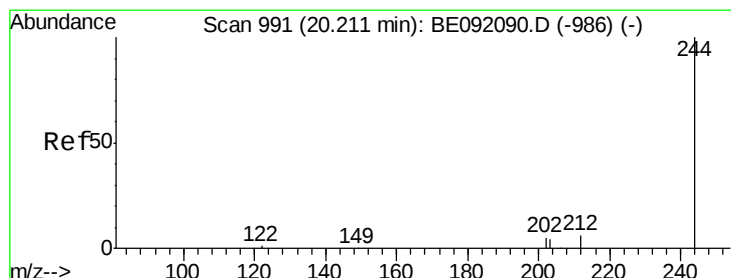
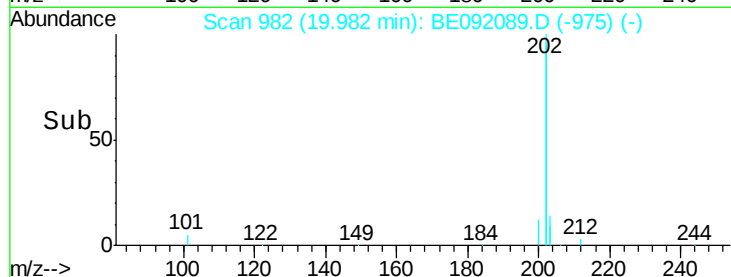
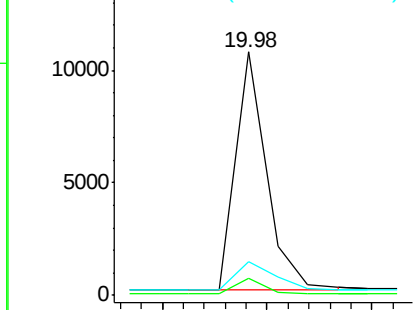
#33
Pvrene
Concen: 0.17 ng
RT: 19.98 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 22037
Ion Ratio Lower Upper
202 100
200 5.9 4.4 6.6
203 14.9 13.4 20.0

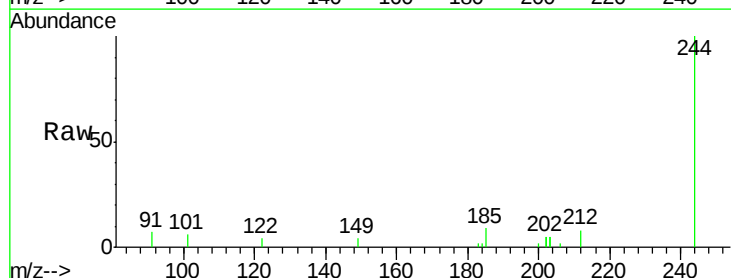


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

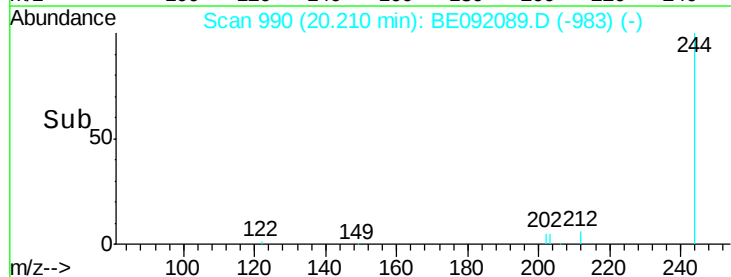
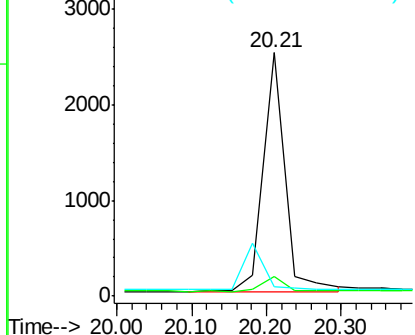


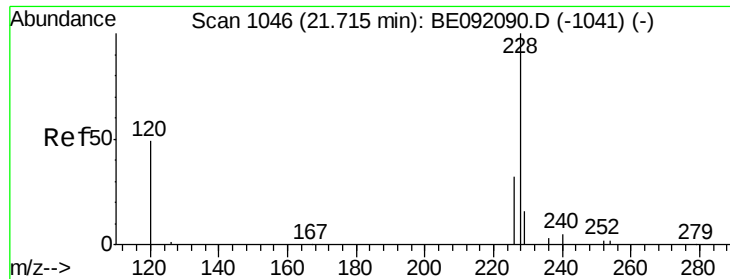
#34
Terphenyl-d14
Concen: 0.26 ng
RT: 20.21 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion:244 Resp: 5044
Ion Ratio Lower Upper
244 100
212 8.3 9.1 13.7#
122 3.7 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

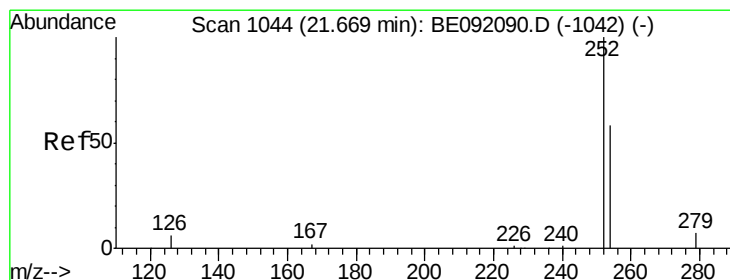
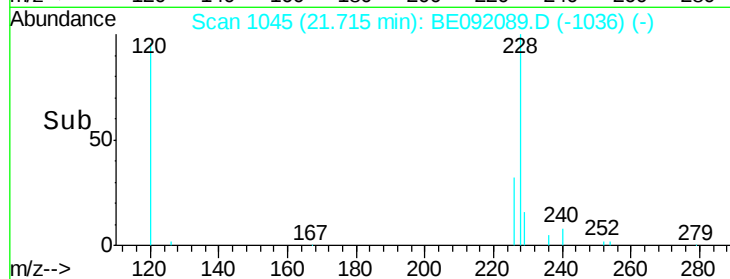
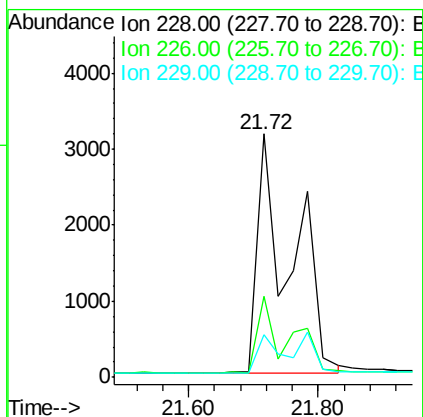
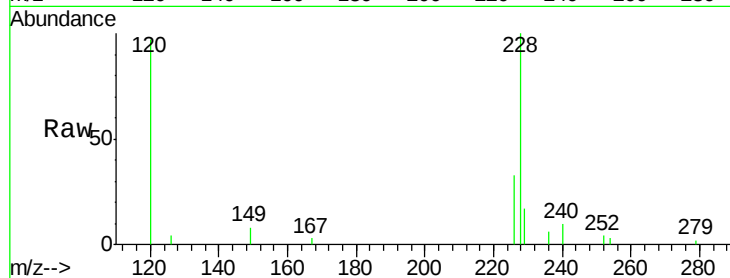




#35
Benzo(a)anthracene
Concen: 0.23 ng
RT: 21.72 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

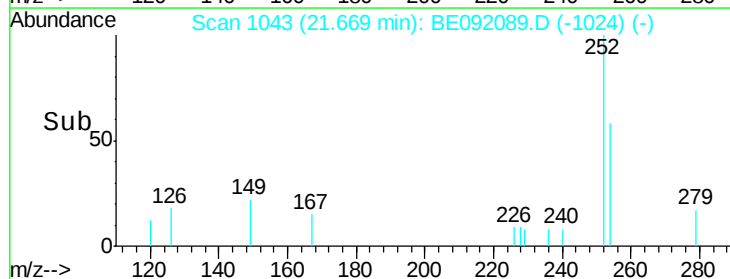
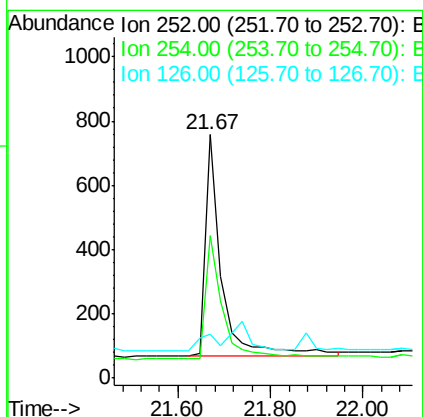
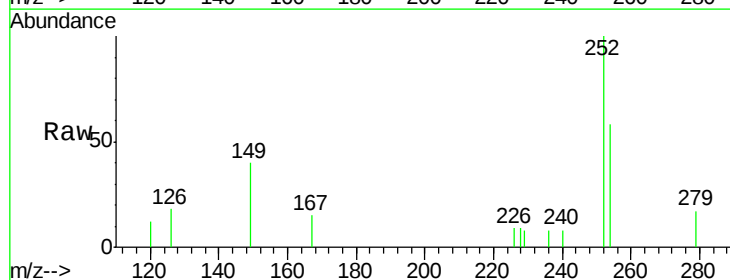
Instrument :
BNA_E
ClientSampleId :

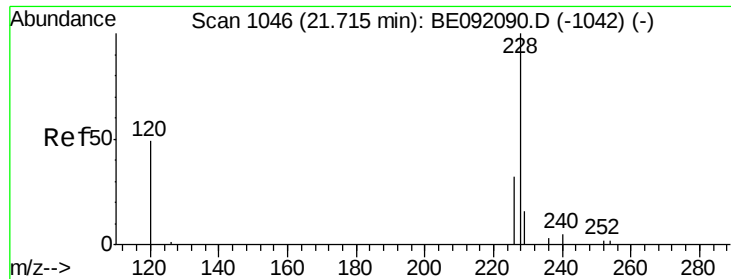
Tot Ion:228 Resp: 11305
Ion Ratio Lower Upper
228 100
226 33.1 22.1 33.1
229 17.3 15.1 22.7



#36
3,3'-Dichlorobenzidine
Concen: 0.18 ng
RT: 21.67 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BE092089.D
Acq: 1 Aug 2016 12:25

Tgt Ion:252 Resp: 1668
Ion Ratio Lower Upper
252 100
254 58.3 44.2 66.2
126 18.1 10.6 15.8#





#37

Chrysene

Concen: 0.28 ng

RT: 21.72 min Scan# 1045

Delta R.T. -0.07 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

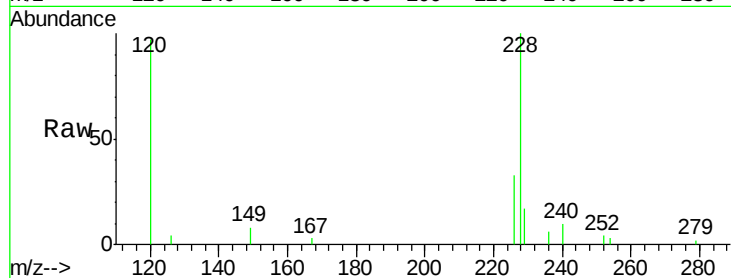
Tot Ion:228 Resp: 11507

Ion Ratio Lower Upper

228 100

226 33.1 22.3 33.5

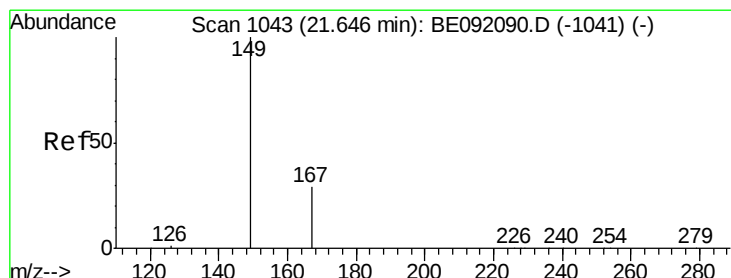
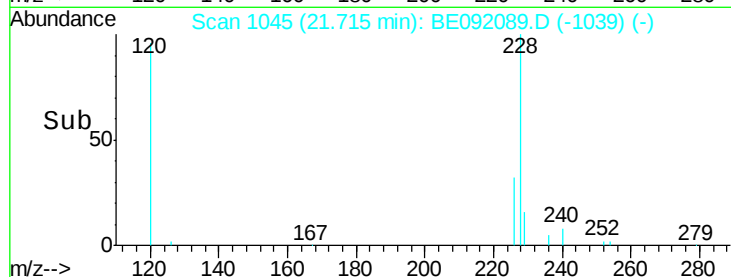
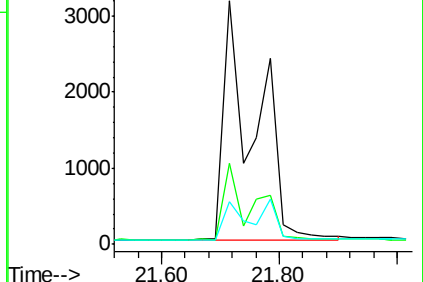
229 17.3 16.9 25.3



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: 0.06 ng

RT: 21.65 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

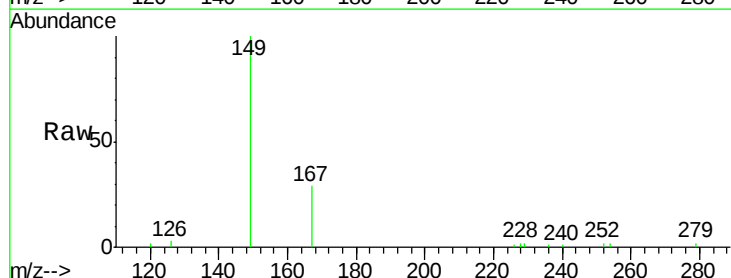
Tgt Ion:149 Resp: 5652

Ion Ratio Lower Upper

149 100

167 27.6 3.8 5.6#

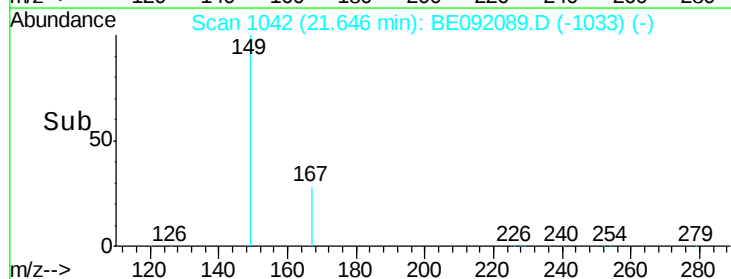
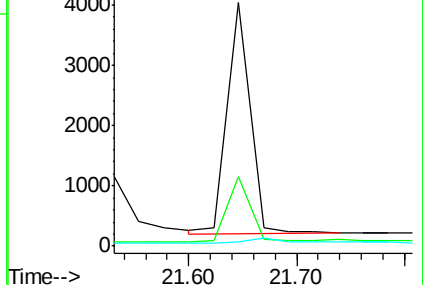
279 0.0 0.0 0.0

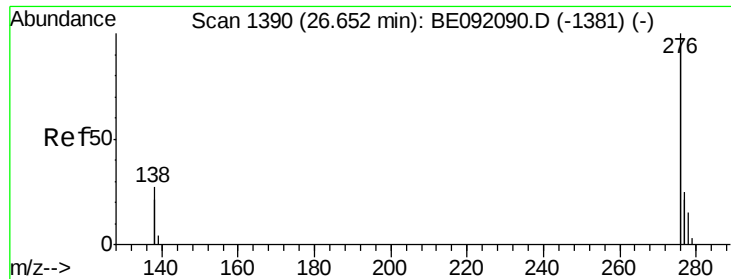


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.18 ng

RT: 26.65 min Scan# 1389

Delta R.T. -0.00 min

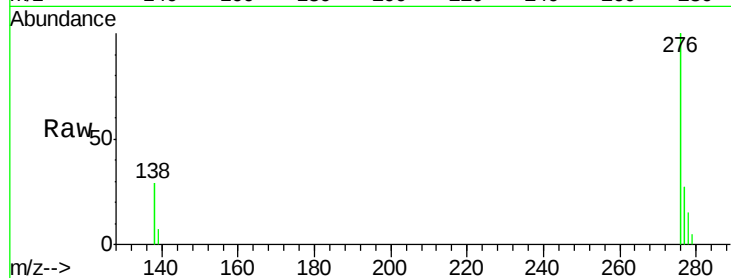
Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :



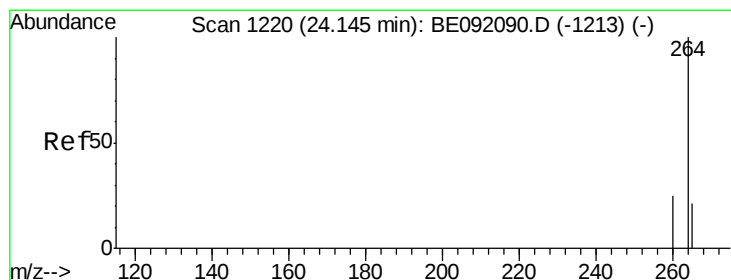
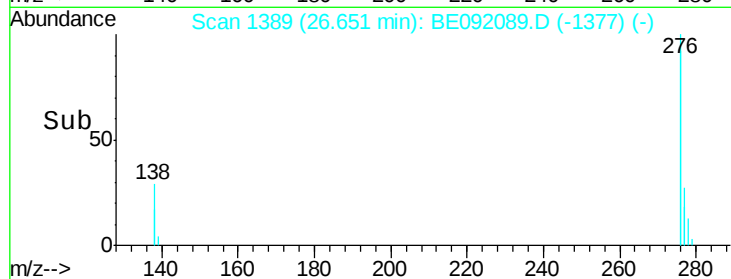
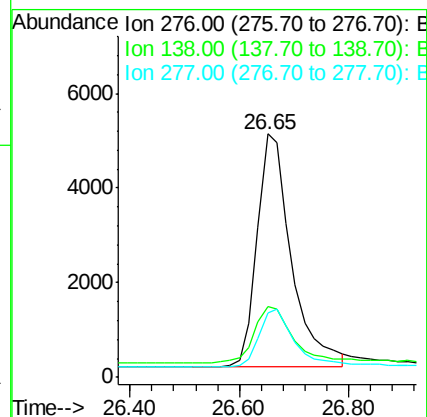
Tot Ion:276 Resp: 21665

Ion Ratio Lower Upper

276 100

138 26.3 21.2 31.8

277 24.8 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: BE092089.D

Acq: 1 Aug 2016 12:25

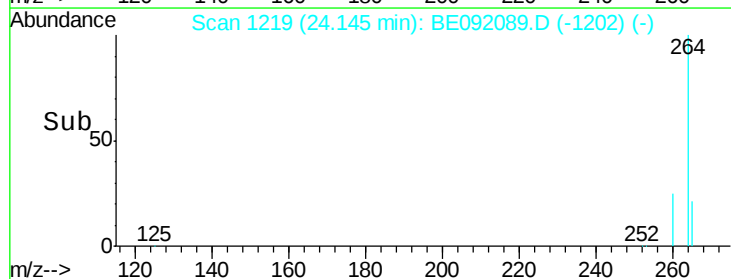
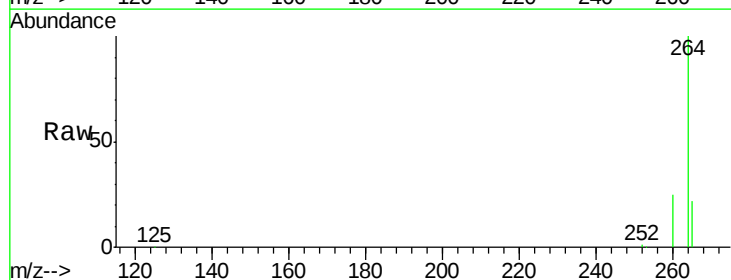
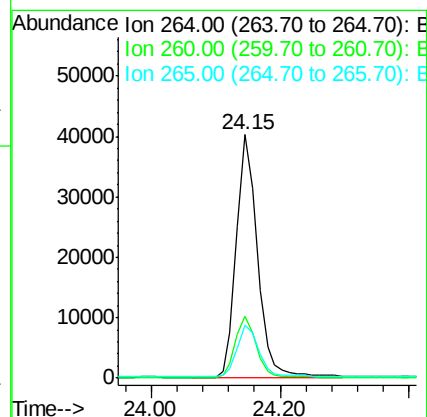
Tgt Ion:264 Resp: 91921

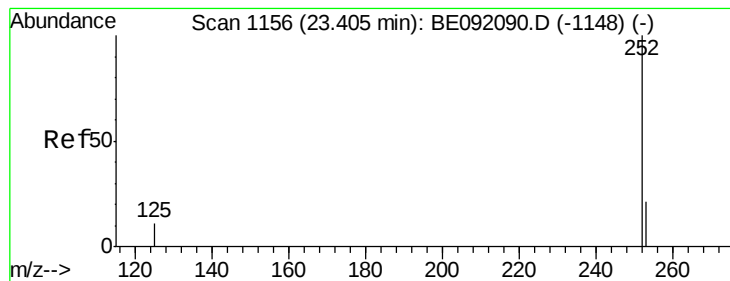
Ion Ratio Lower Upper

264 100

260 25.4 20.8 31.2

265 21.8 16.6 25.0





#41

Benzo(b)fluoranthene

Concen: 0.18 ng

RT: 23.41 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

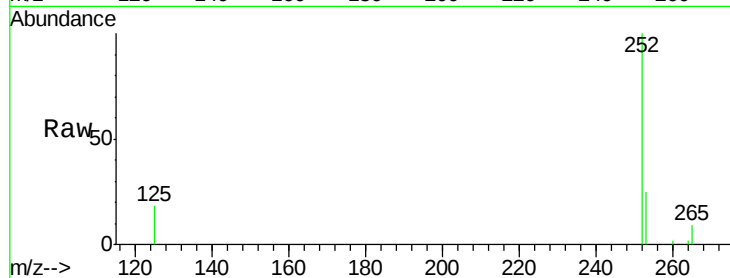
Tot Ion:252 Resp: 5143

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.0

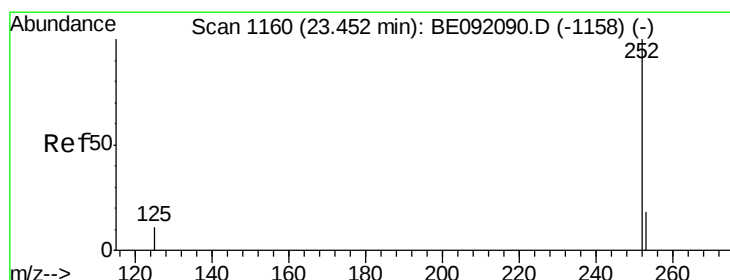
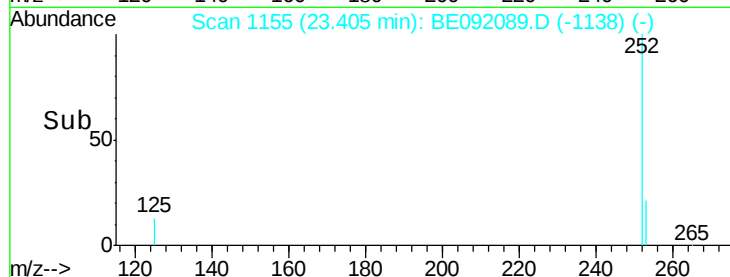
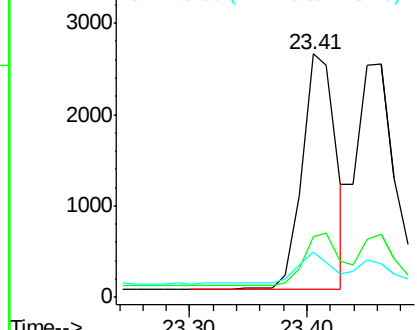
125 18.3 10.2 15.2#



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: 0.20 ng

RT: 23.46 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

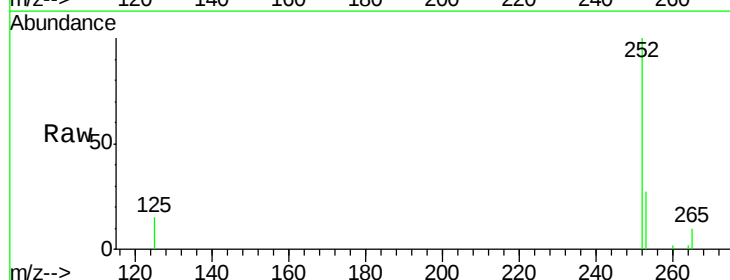
Tgt Ion:252 Resp: 5826

Ion Ratio Lower Upper

252 100

253 27.0 19.4 29.0

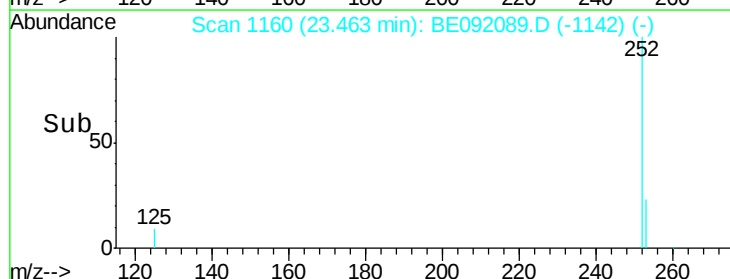
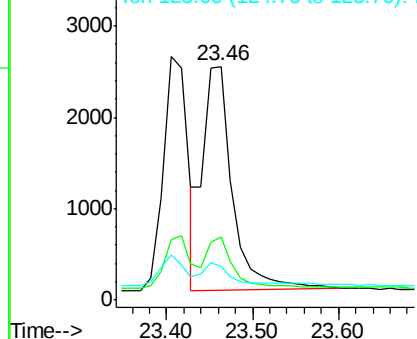
125 14.6 8.9 13.3#

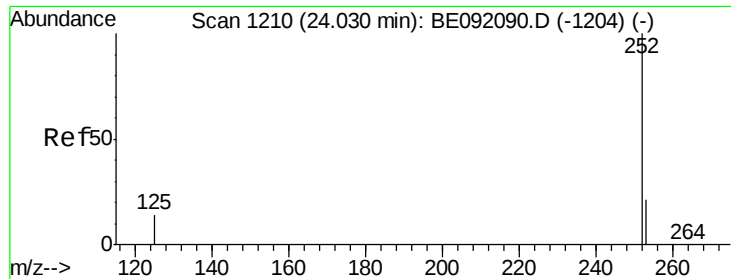


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.20 ng

RT: 24.04 min Scan# 1210

Delta R.T. 0.01 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

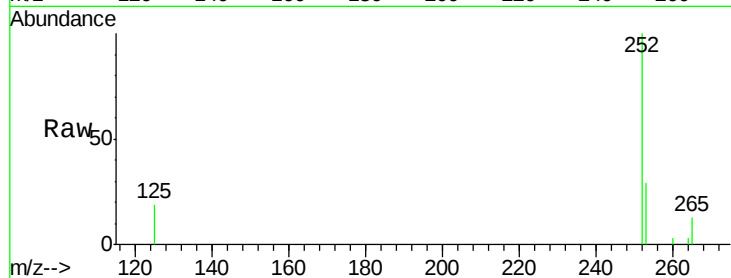
Tot Ion:252 Resp: 4771

Ion Ratio Lower Upper

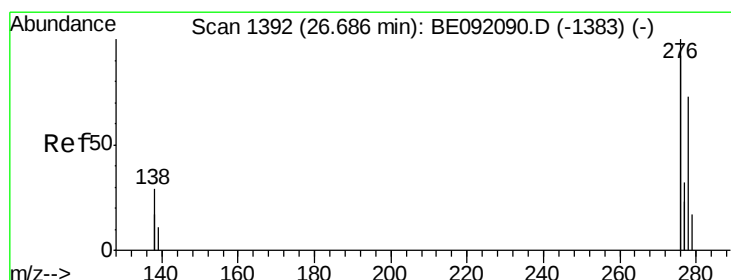
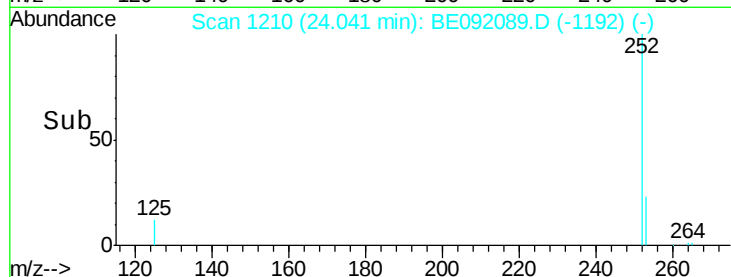
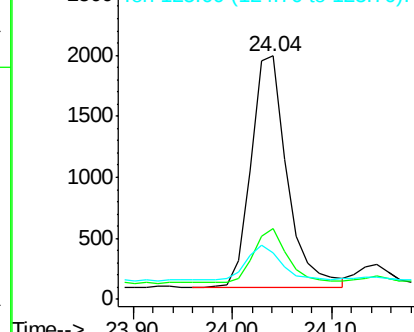
252 100

253 29.1 19.8 29.8

125 19.3 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: 0.22 ng

RT: 26.69 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

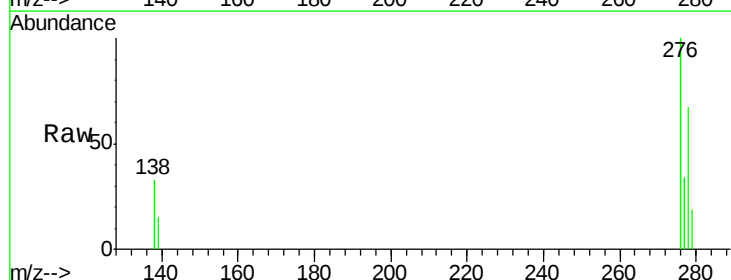
Tgt Ion:278 Resp: 4433

Ion Ratio Lower Upper

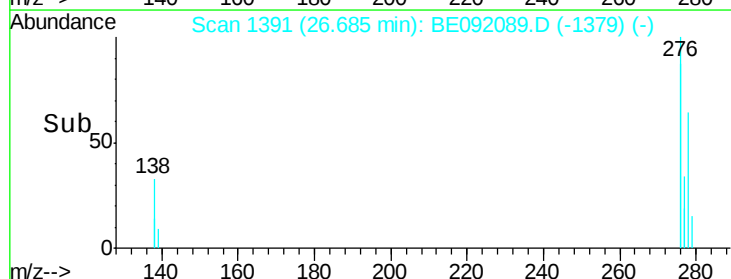
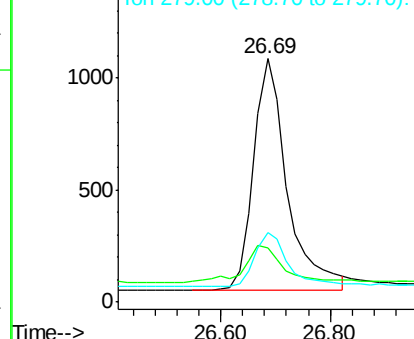
278 100

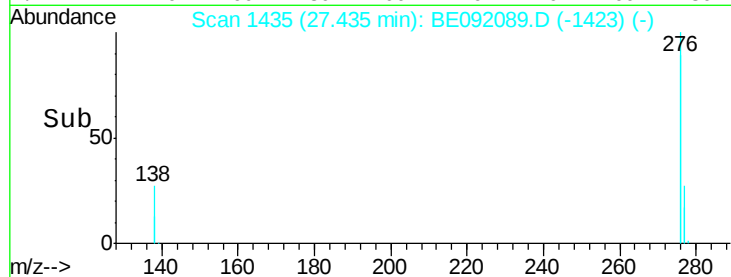
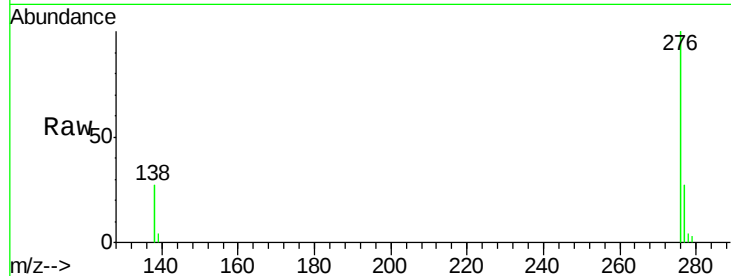
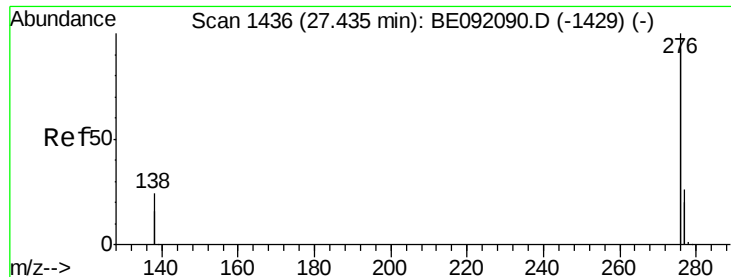
139 22.4 16.7 25.1

279 28.7 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: 0.22 ng

RT: 27.43 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE092089.D

Acq: 1 Aug 2016 12:25

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 18842

Ion Ratio Lower Upper

276 100

277 27.4 19.5 29.3

138 26.6 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

