

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080116\
 Data File : BE092104.D
 Acq On : 1 Aug 2016 22:52
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Aug 02 01:08:14 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 17:22:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	8934	5.00	ng	0.00
8) Naphthalene-d8	10.97	136	44597	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	26001	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	90794	5.00	ng	0.00
31) Chrysene-d12	21.74	240	91054	5.00	ng	0.00
40) Perylene-d12	24.14	264	77675	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	1197	0.41	ng	0.00
5) Phenol-d6	7.33	99	1465	0.50	ng	0.00
9) Nitrobenzene-d5	9.35	82	1287	0.37	ng	0.00
16) 2,4,6-Tribromophenol	16.34	330	539	0.31	ng	0.00
17) 2-Fluorobiphenyl	13.46	172	3931	0.39	ng	0.00
34) Terphenyl-d14	20.21	244	4452	0.17	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	497	0.33	ng	96
3) n-Nitrosodimethylamine	3.80	42	576	0.35	ng	# 95
6) bis(2-Chloroethyl)ether	7.59	93	1012	0.37	ng	97
7) n-Nitroso-di-n-propylamine	8.98	70	981	0.37	ng	97
10) Nitrobenzene	9.38	77	1222	0.33	ng	99
11) bis(2-Chloroethoxy)methane	10.40	93	1877	0.34	ng	97
12) Naphthalene	11.02	128	4048	0.39	ng	96
13) Hexachlorobutadiene	11.32	225	653	0.39	ng	# 97
14) 2-Methylnaphthalene	12.65	142	2747	0.40	ng	89
18) Acenaphthylene	14.58	152	19383	0.34	ng	# 94
19) 2,6-Dinitrotoluene	14.46	165	1863	0.28	ng	# 100
20) Acenaphthene	14.92	154	3244	0.41	ng	# 71
21) 2,4-Dinitrotoluene	15.25	165	2894	0.26	ng	# 1
22) Fluorene	15.89	166	4134	0.35	ng	99
23) 4-Chlorophenyl-phenylether	15.89	204	2227	0.36	ng	# 76
25) 4-Bromophenyl-phenylether	16.76	248	1198	0.39	ng	96
26) Hexachlorobenzene	16.88	284	1258	0.41	ng	99
27) Pentachlorophenol	17.26	266	87	0.35	ng	89
28) Phenanthrene	17.71	178	6598	0.24	ng	100
29) Anthracene	17.71	178	6810	0.38	ng	99
30) Fluoranthene	19.61	202	27693	0.38	ng	# 67
32) Benzidine	19.84	184	1953	0.52	ng	93
33) Pyrene	19.98	202	41038	0.40	ng	98
35) Benzo(a)anthracene	21.71	228	17747	0.77	ng	98
36) 3,3'-Dichlorobenzidine	21.67	252	2914	0.36	ng	# 88
37) Chrysene	21.71	228	18018	0.83	ng	97
38) Bis(2-ethylhexyl)phthalate	21.65	149	6246	0.25	ng	# 24
39) Indeno(1,2,3-cd)pyrene	26.65	276	35574	0.37	ng	100
41) Benzo(b)fluoranthene	23.40	252	8560	0.39	ng	96
42) Benzo(k)fluoranthene	23.45	252	8476	0.38	ng	98
43) Benzo(a)pyrene	24.03	252	7774	0.39	ng	# 98
44) Dibenzo(a,h)anthracene	26.67	278	7174	0.39	ng	99
45) Benzo(g,h,i)perylene	27.42	276	31076	0.40	ng	96

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Quant Time: Aug 02 01:08:14 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 17:22:55 2016
Response via : Initial Calibration

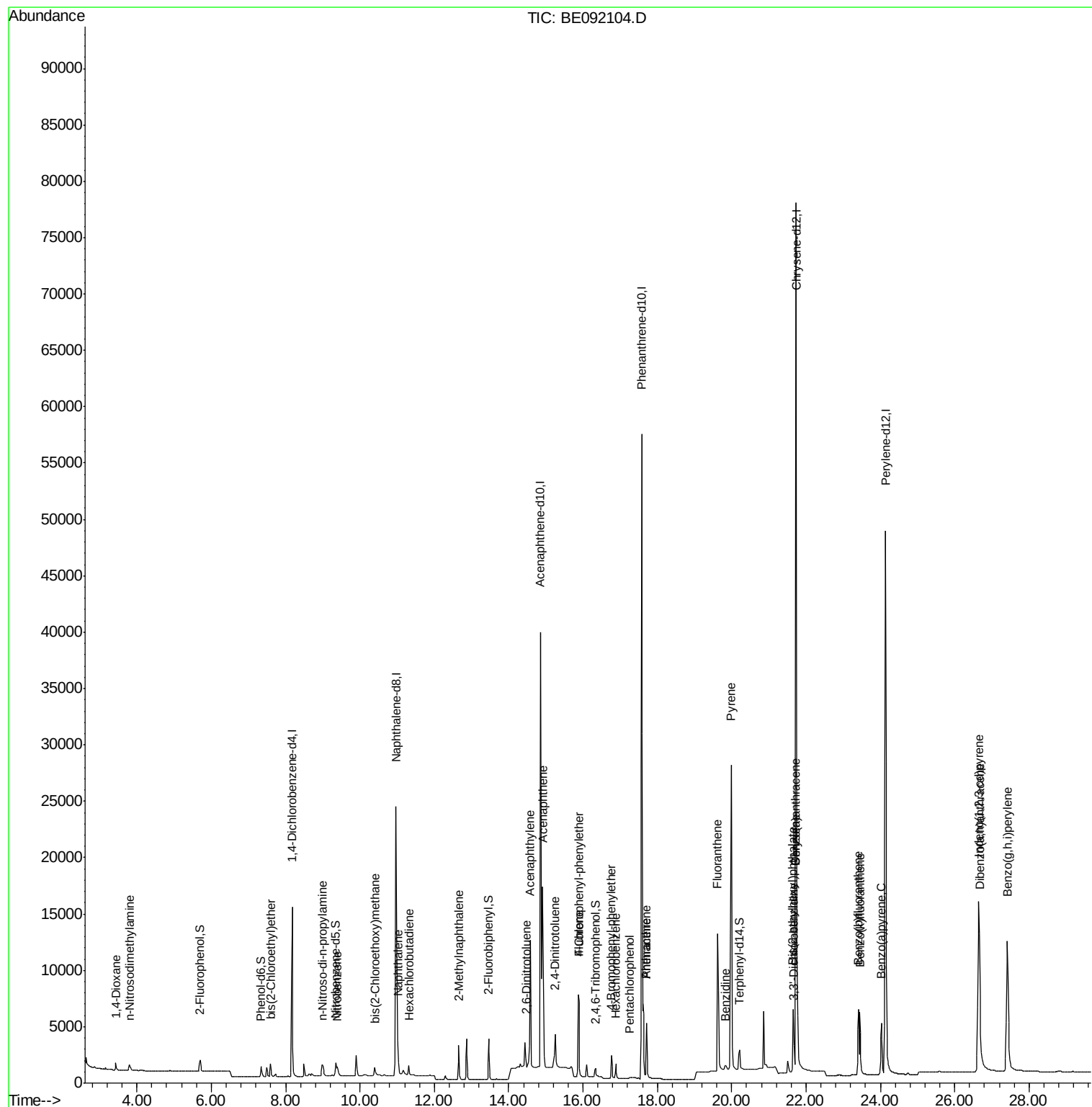
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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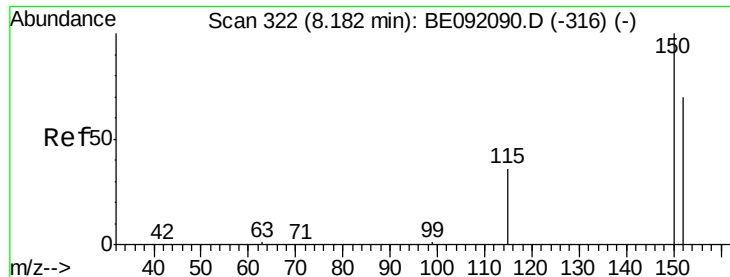
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092104.D

Acq: 1 Aug 2016 22:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

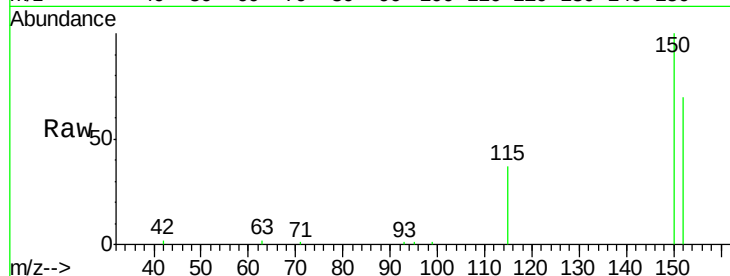
Tgt Ion:152 Resp: 8934

Ion Ratio Lower Upper

152 100

150 143.7 106.0 159.0

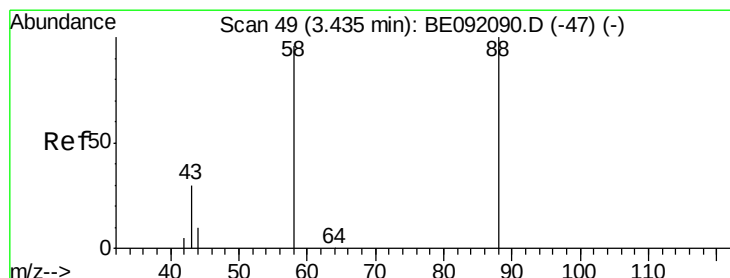
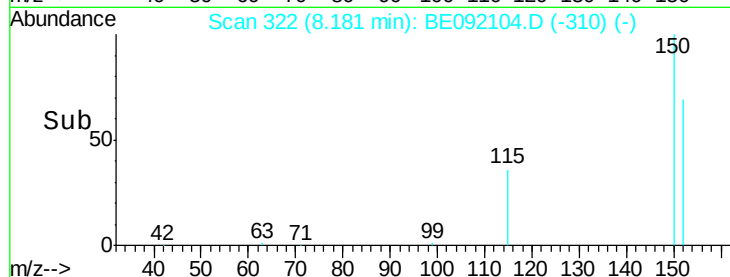
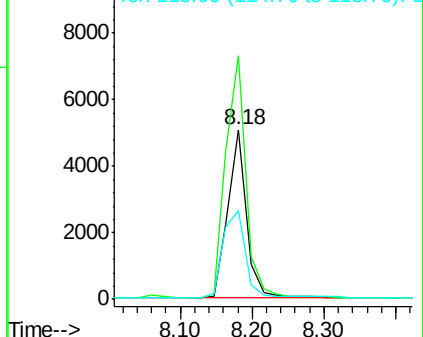
115 52.7 36.9 55.3



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: 0.33 ng

RT: 3.44 min Scan# 49

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

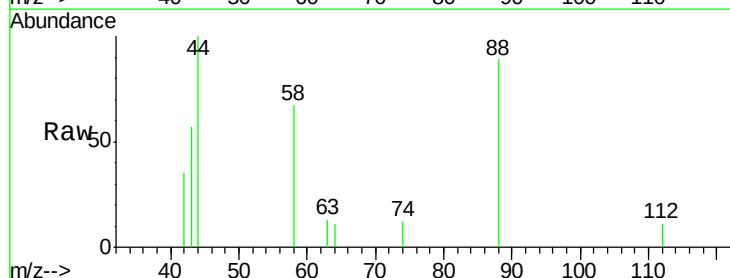
Tgt Ion: 88 Resp: 497

Ion Ratio Lower Upper

88 100

58 77.1 62.1 93.1

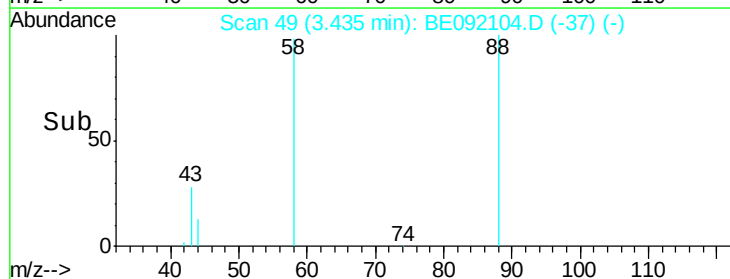
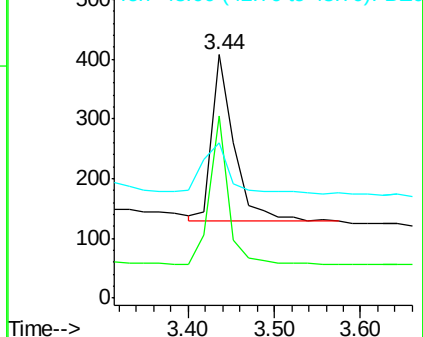
43 40.6 27.2 40.8

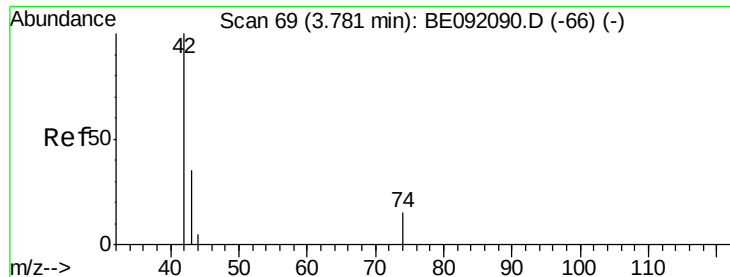


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.35 ng

RT: 3.80 min Scan# 70

Delta R.T. 0.02 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

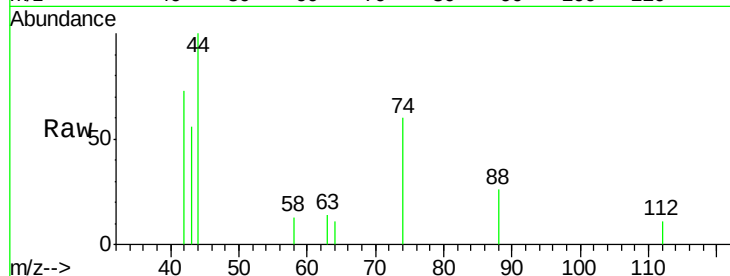
Tgt Ion: 42 Resp: 576

Ion Ratio Lower Upper

42 100

74 108.9 82.8 124.2

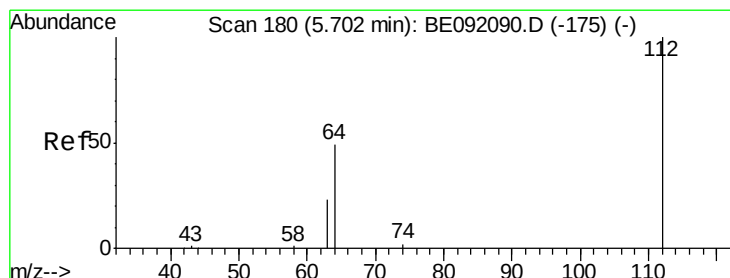
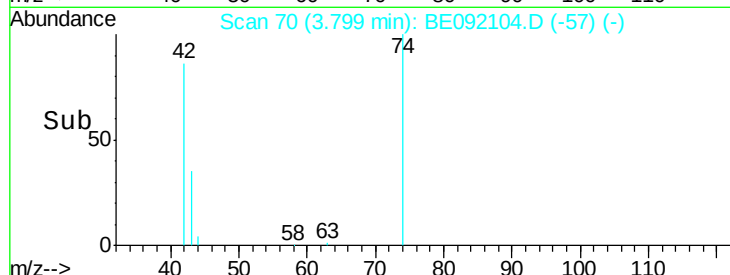
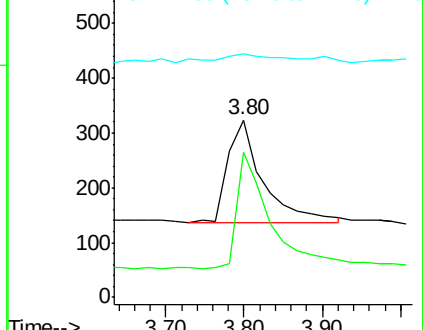
44 13.7 9.0 13.4#



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: 0.41 ng

RT: 5.70 min Scan# 180

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

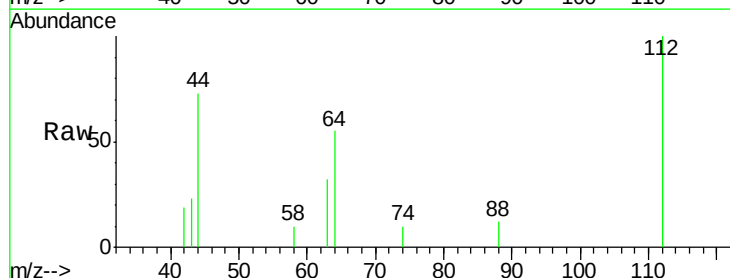
Tgt Ion: 112 Resp: 1197

Ion Ratio Lower Upper

112 100

64 67.6 55.9 83.9

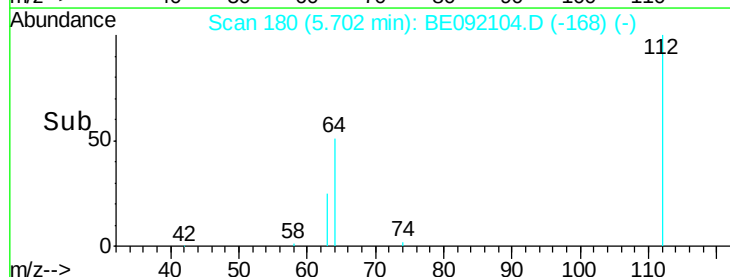
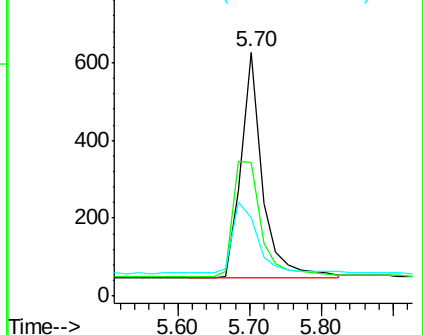
63 35.6 31.1 46.7

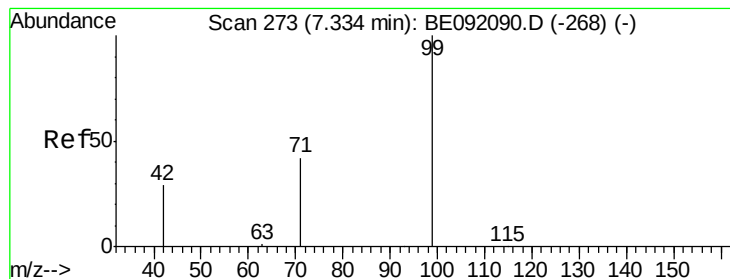


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.50 ng

RT: 7.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

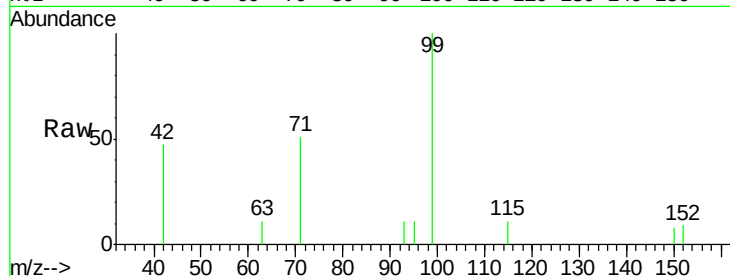
Tgt Ion: 99 Resp: 1465

Ion Ratio Lower Upper

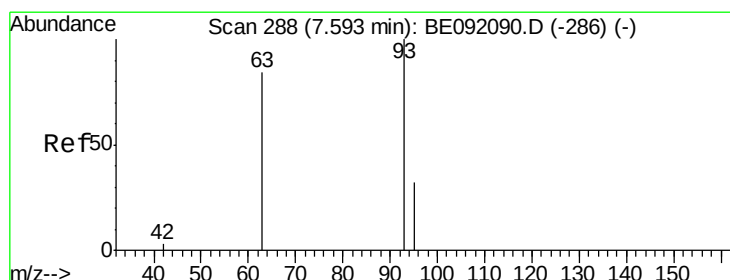
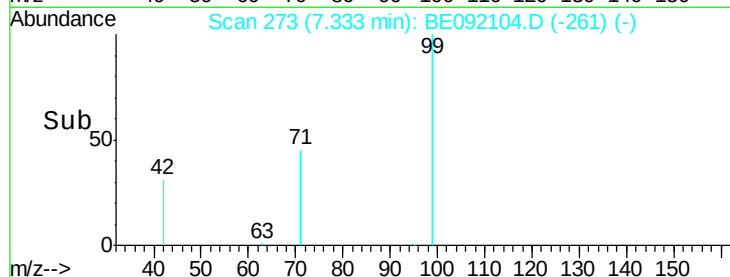
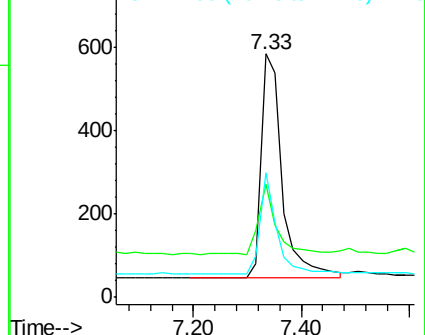
99 100

42 24.7 22.4 33.6

71 36.0 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: 0.37 ng

RT: 7.59 min Scan# 288

Delta R.T. -0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

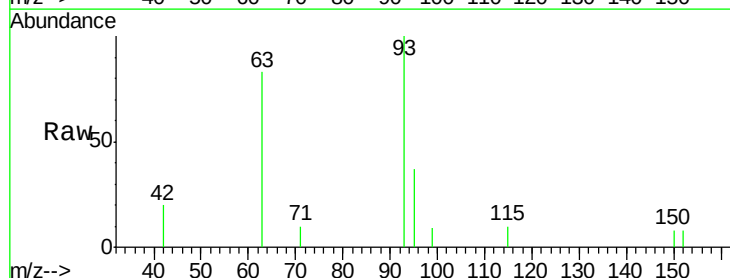
Tgt Ion: 93 Resp: 1012

Ion Ratio Lower Upper

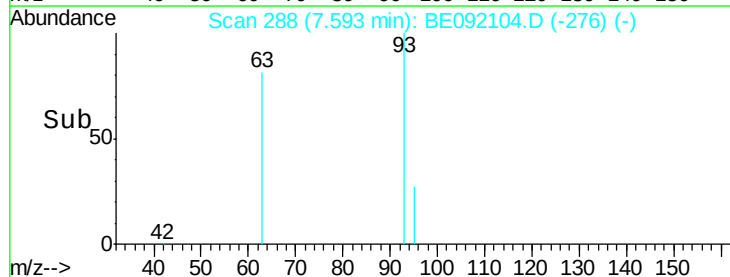
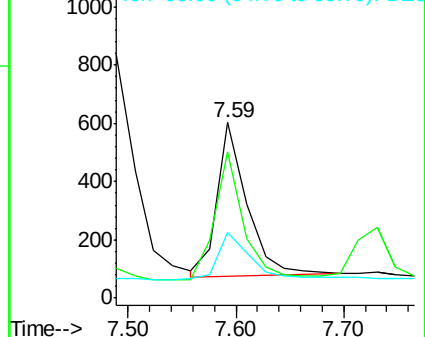
93 100

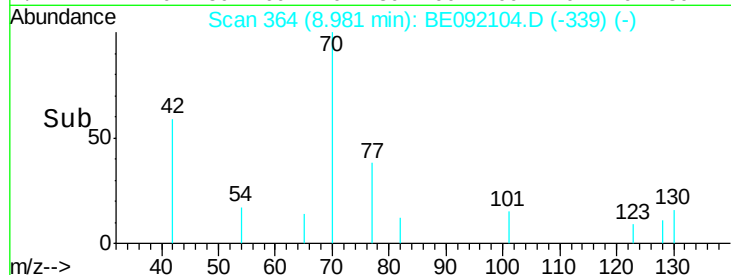
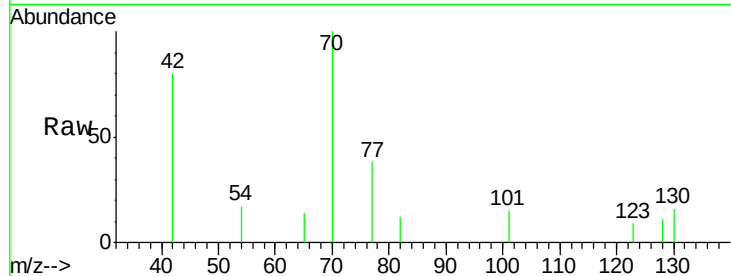
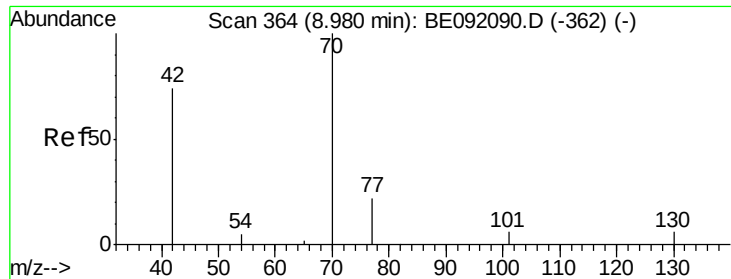
63 82.4 64.4 96.6

95 35.0 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: 0.37 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 981

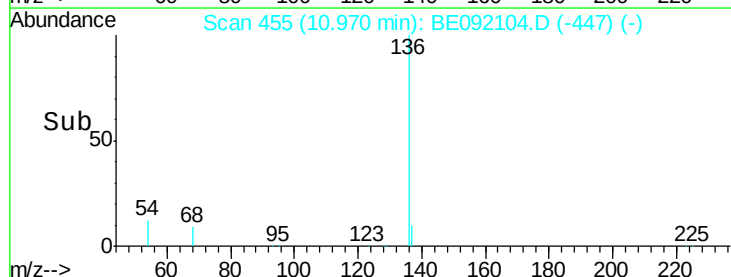
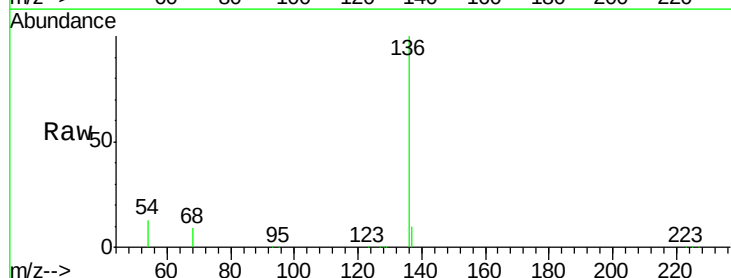
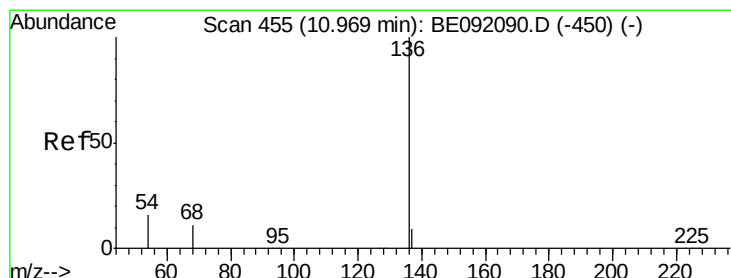
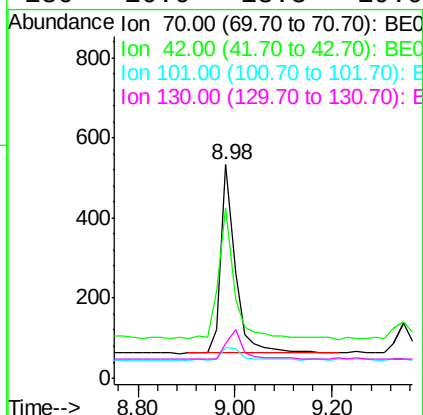
Ion Ratio Lower Upper

70 100

42 78.7 60.2 90.4

101 8.7 6.8 10.2

130 16.0 13.3 19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

Tgt Ion: 136 Resp: 44597

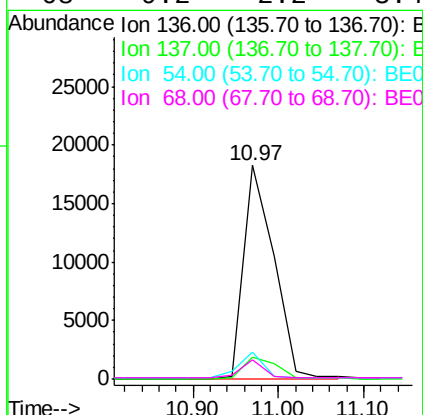
Ion Ratio Lower Upper

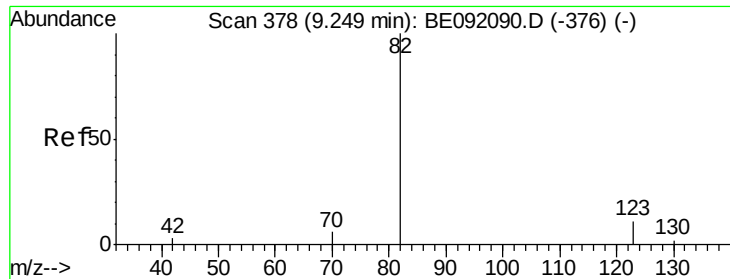
136 100

137 9.9 9.1 13.7

54 12.6 2.7 4.1#

68 9.2 2.2 3.4#





#9

Nitrobenzene-d5

Concen: 0.37 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

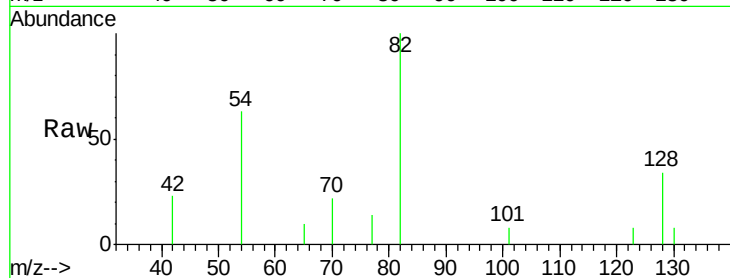
Tgt Ion: 82 Resp: 1287

Ion Ratio Lower Upper

82 100

128 34.4 33.0 49.4

54 63.4 42.6 63.8

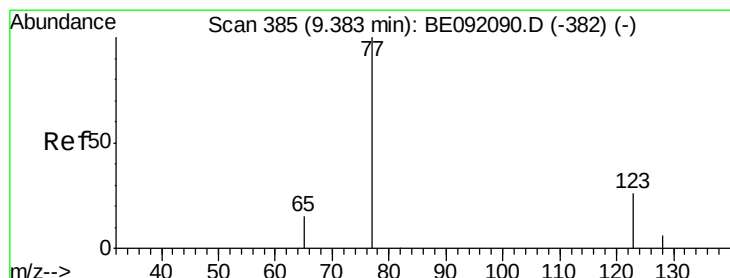
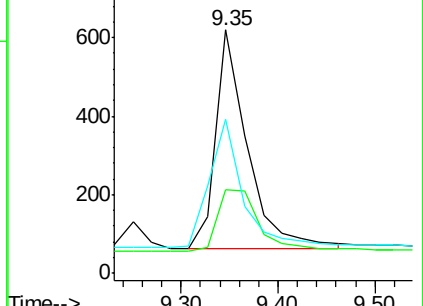
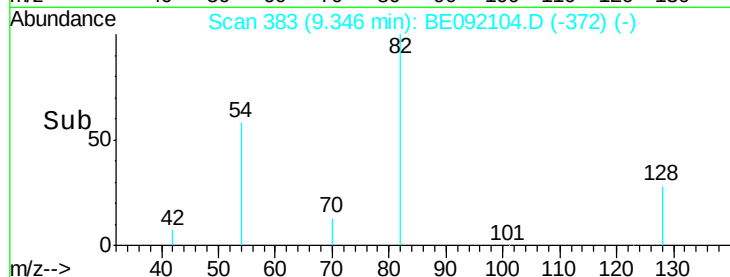


Abundance Ion 82.00 (81.70 to 82.70): BE092104.D (-372) (-)

Ion 128.00 (127.70 to 128.70): BE092104.D (-372) (-)

Ion 54.00 (53.70 to 54.70): BE092104.D (-372) (-)

Time-->



#10

Nitrobenzene

Concen: 0.33 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

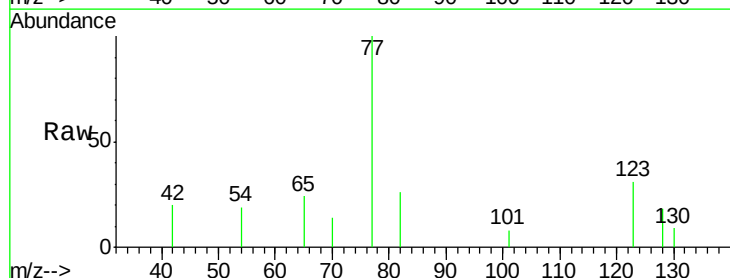
Tgt Ion: 77 Resp: 1222

Ion Ratio Lower Upper

77 100

123 38.1 29.9 44.9

65 14.0 11.4 17.0

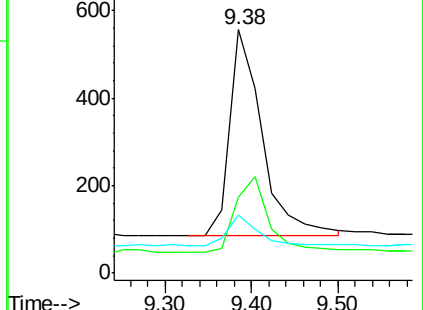
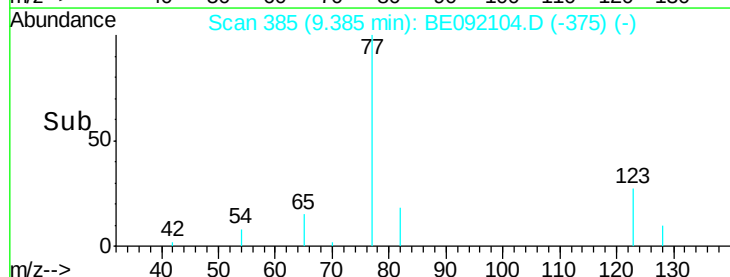


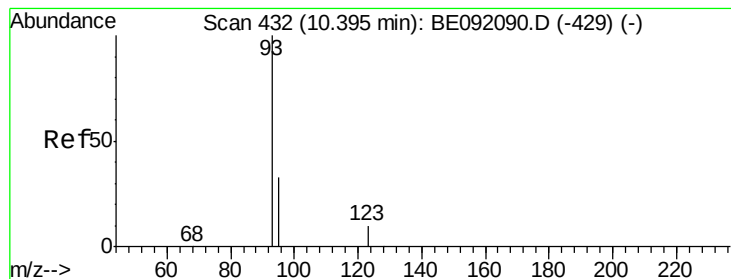
Abundance Ion 77.00 (76.70 to 77.70): BE092104.D (-375) (-)

Ion 123.00 (122.70 to 123.70): BE092104.D (-375) (-)

Ion 65.00 (64.70 to 65.70): BE092104.D (-375) (-)

Time-->





#11

bis(2-Chloroethoxy)methane

Concen: 0.34 ng

RT: 10.40 min Scan# 432

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

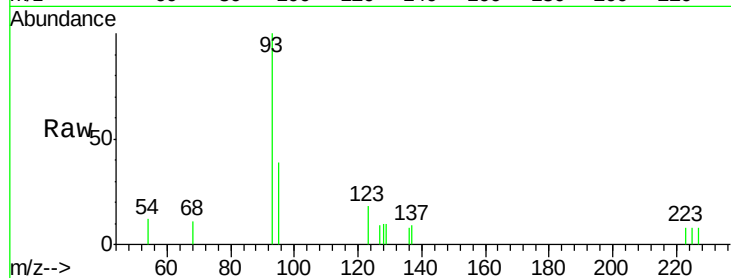
Tgt Ion: 93 Resp: 1877

Ion Ratio Lower Upper

93 100

95 33.1 25.0 37.6

123 8.2 7.8 11.8

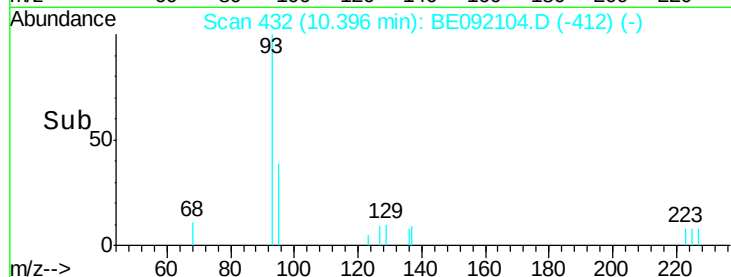


Abundance Ion 93.00 (92.70 to 93.70): BE092104.D (-412) (-)

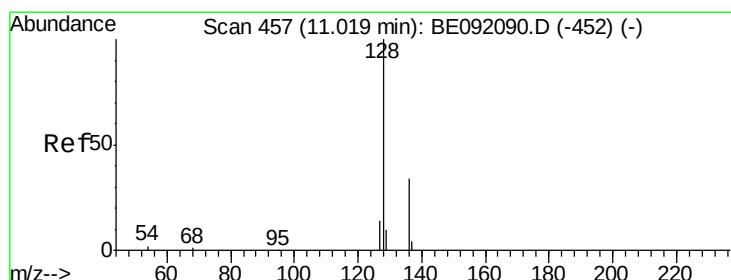
Ion 95.00 (94.70 to 95.70): BE092104.D (-412) (-)

Ion 123.00 (122.70 to 123.70): BE092104.D (-412) (-)

Time-->



Time-->



#12

Naphthalene

Concen: 0.39 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

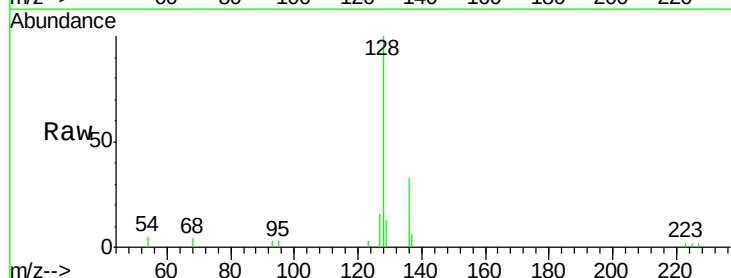
Tgt Ion: 128 Resp: 4048

Ion Ratio Lower Upper

128 100

129 12.7 11.1 16.7

127 15.8 11.3 16.9

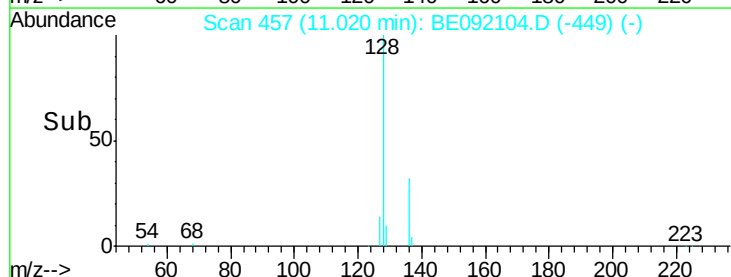


Abundance Ion 128.00 (127.70 to 128.70): BE092104.D (-449) (-)

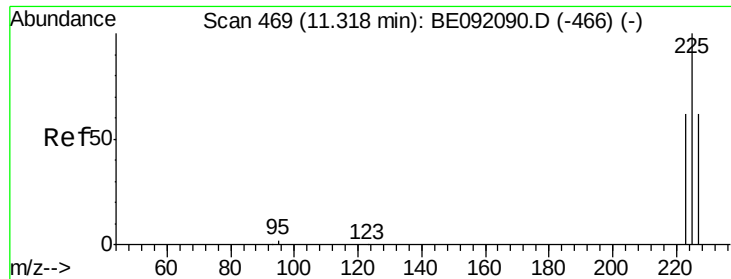
Ion 129.00 (128.70 to 129.70): BE092104.D (-449) (-)

Ion 127.00 (126.70 to 127.70): BE092104.D (-449) (-)

Time-->



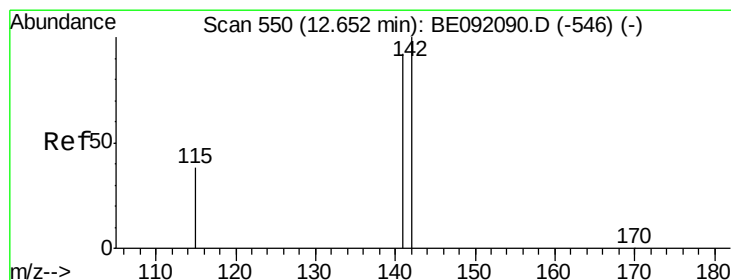
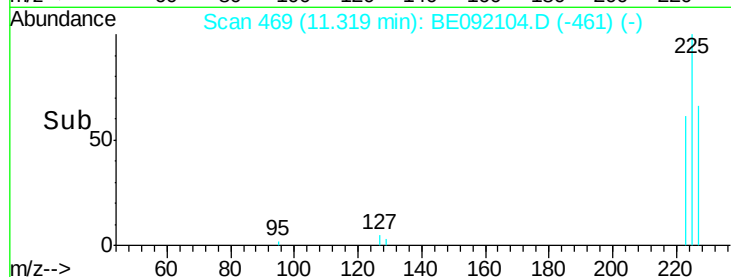
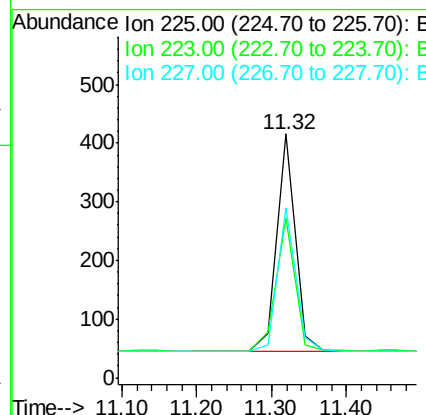
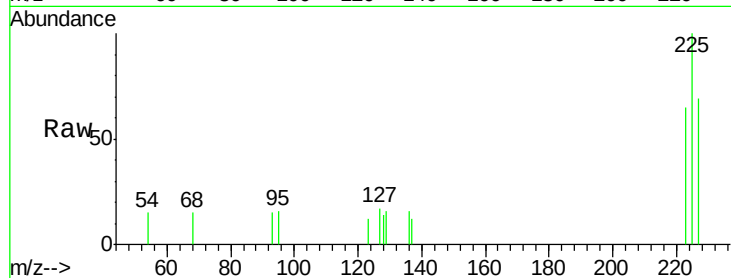
Time-->



#13
Hexachlorobutadiene
Concen: 0.39 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092104.D
Acq: 1 Aug 2016 22:52

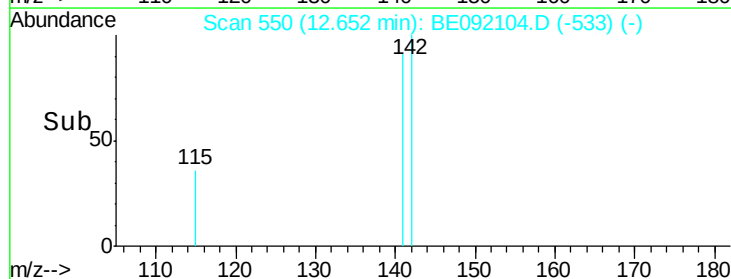
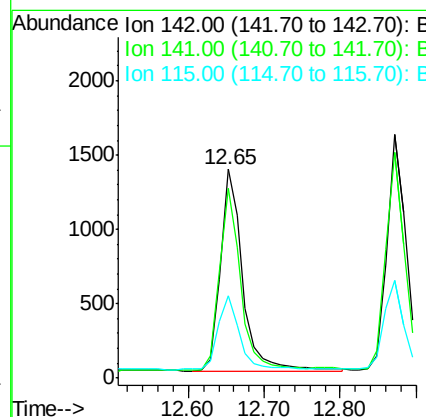
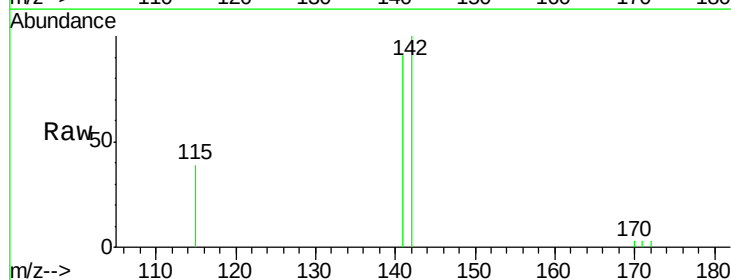
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

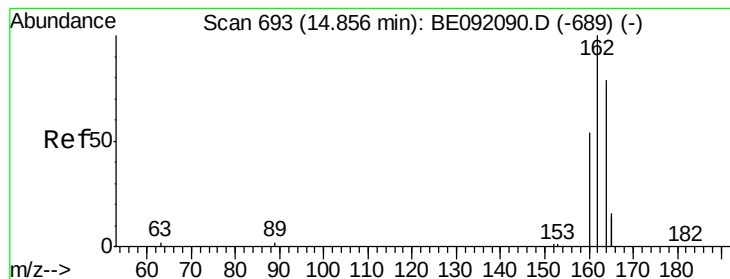
Tgt Ion: 225 Resp: 653
Ion Ratio Lower Upper
225 100
223 62.6 51.9 77.9
227 65.4 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.65 min Scan# 550
Delta R.T. -0.00 min
Lab File: BE092104.D
Acq: 1 Aug 2016 22:52

Tgt Ion: 142 Resp: 2747
Ion Ratio Lower Upper
142 100
141 91.2 65.1 97.7
115 39.2 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: BE092104.D

Acq: 1 Aug 2016 22:52

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

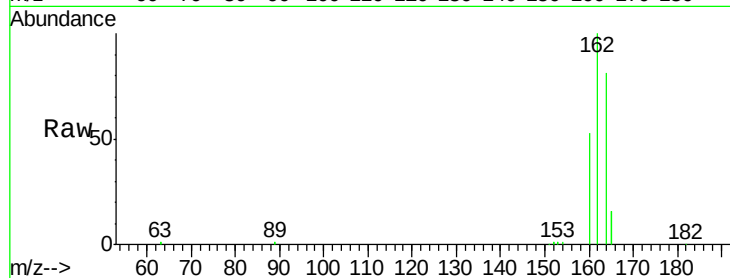
Tgt Ion:164 Resp: 26001

Ion Ratio Lower Upper

164 100

162 124.1 69.5 104.3#

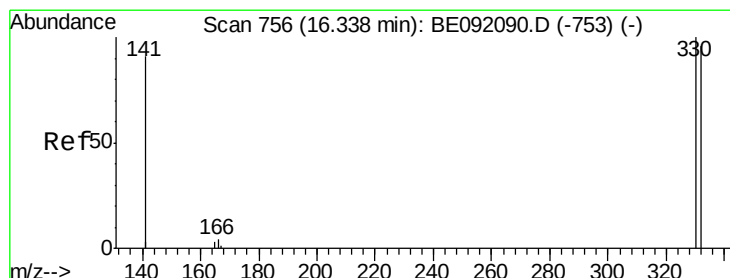
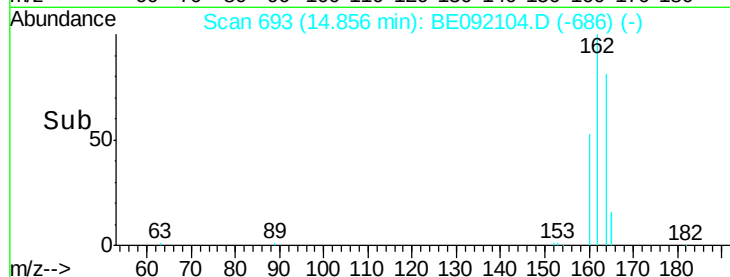
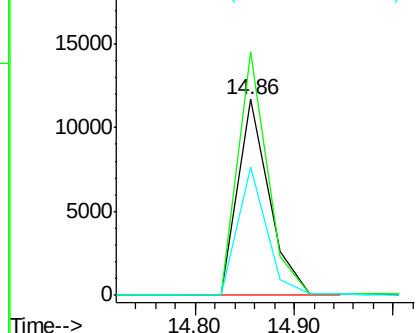
160 65.8 27.6 41.4#



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: 0.31 ng

RT: 16.34 min Scan# 756

Delta R.T. 0.00 min

Lab File: BE092104.D

Acq: 1 Aug 2016 22:52

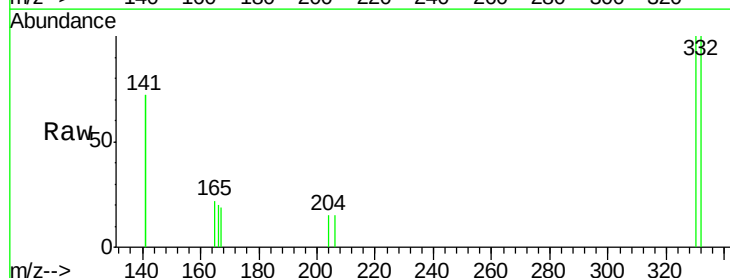
Tgt Ion:330 Resp: 539

Ion Ratio Lower Upper

330 100

332 96.3 74.2 111.4

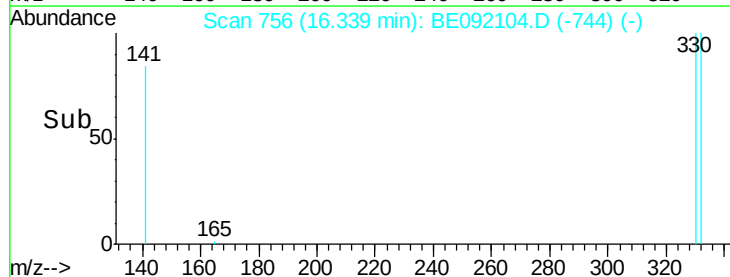
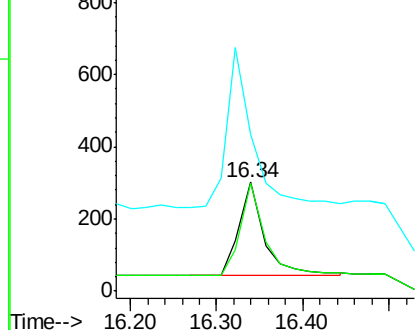
141 177.6 139.8 209.8

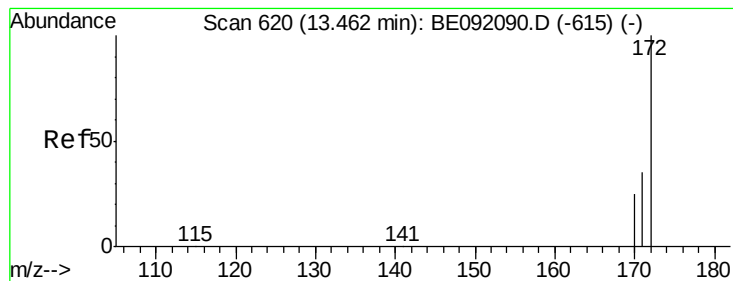


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

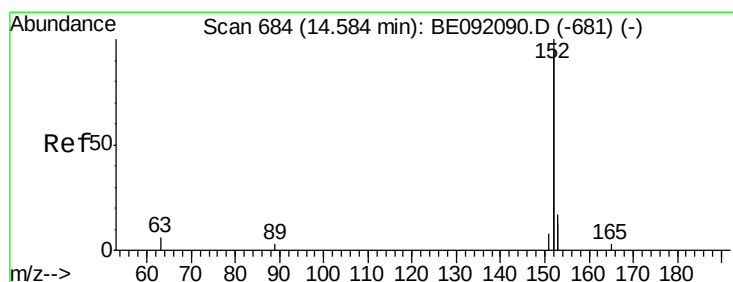
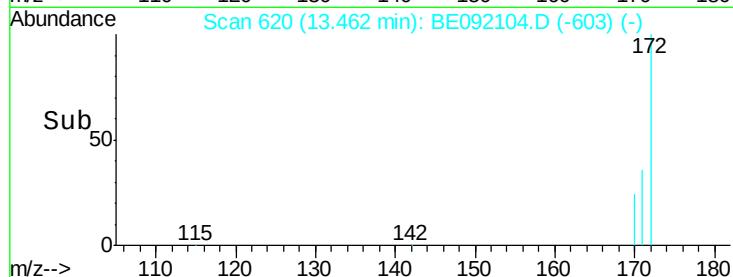
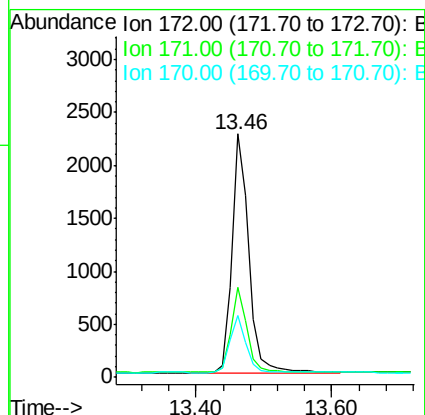
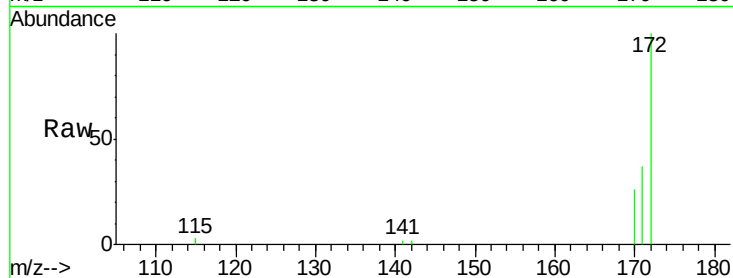




#17
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.46 min Scan# 620
Delta R.T. -0.00 min
Lab File: BE092104.D
Acq: 1 Aug 2016 22:52

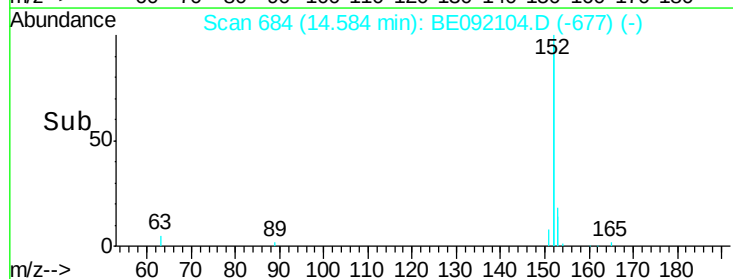
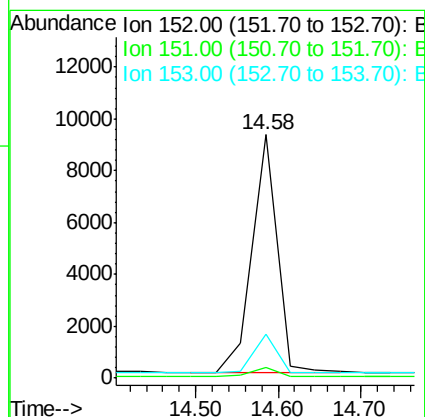
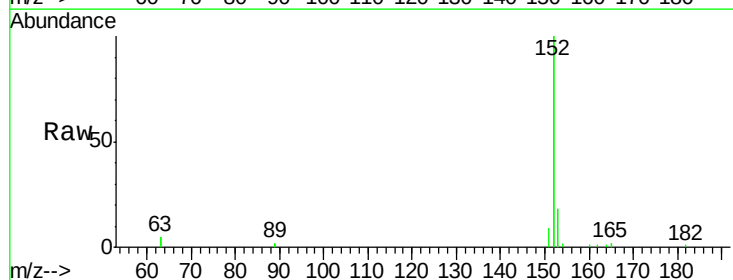
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

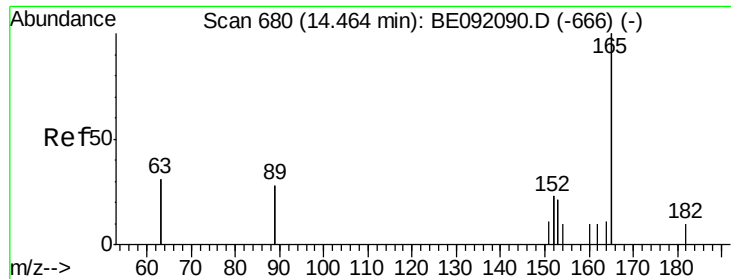
Tgt Ion:172 Resp: 3931
Ion Ratio Lower Upper
172 100
171 36.9 30.3 45.5
170 25.6 21.6 32.4



#18
Acenaphthylene
Concen: 0.34 ng
RT: 14.58 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092104.D
Acq: 1 Aug 2016 22:52

Tgt Ion:152 Resp: 19383
Ion Ratio Lower Upper
152 100
151 4.4 4.0 6.0
153 15.1 9.6 14.4#

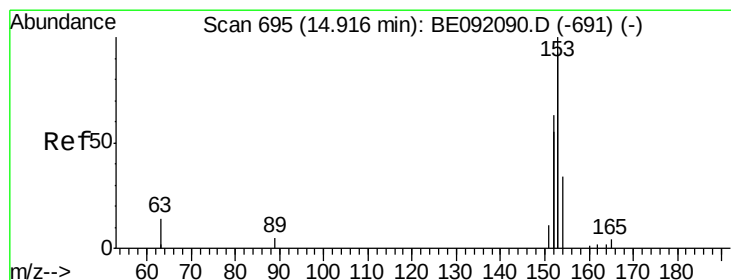
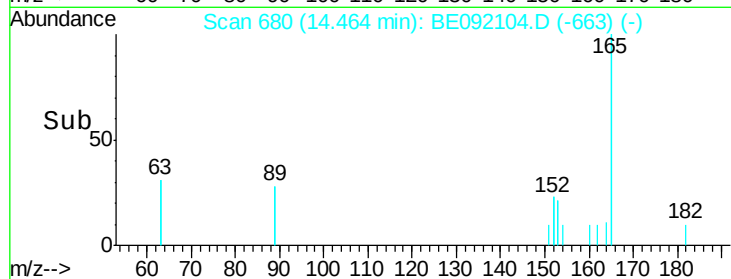
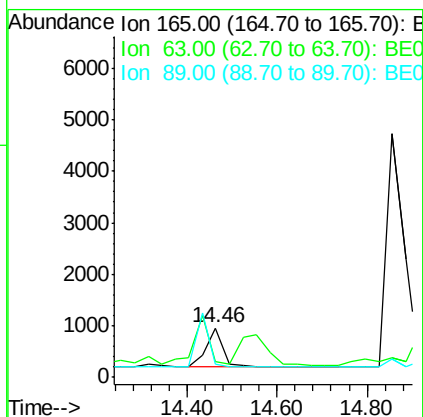
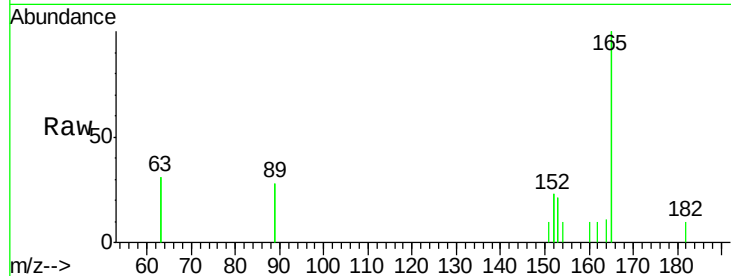




#19
2,6-Dinitrotoluene
Concen: 0.28 ng
RT: 14.46 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE092104.D
Acq: 1 Aug 2016 22:52

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:165 Resp: 1863
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 0.0 0.0



#20
Acenaphthene
Concen: 0.41 ng
RT: 14.92 min Scan# 695
Delta R.T. -0.00 min
Lab File: BE092104.D
Acq: 1 Aug 2016 22:52

Tgt Ion:154 Resp: 3244
Ion Ratio Lower Upper
154 100
153 504.0 345.1 517.7
152 276.6 0.0 0.0#

