

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
 Data File : BE092070.D
 Acq On : 28 Jul 2016 6:59
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jul 28 07:31:30 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:13:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	10786	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	52387	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	25114	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	78582	5.00	ng	0.00
31) Chrysene-d12	21.76	240	67682	5.00	ng	0.00
40) Perylene-d12	24.15	264	78576	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	1182	0.49	ng	0.00
5) Phenol-d6	7.35	99	1617	0.50	ng	0.00
9) Nitrobenzene-d5	9.37	82	1524	0.39	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	494	0.60	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	4101	0.41	ng	0.00
34) Terphenyl-d14	20.20	244	6194	0.49	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	543	0.37	ng	# 88
3) n-Nitrosodimethylamine	3.82	42	725	0.41	ng	# 96
6) bis(2-Chloroethyl)ether	7.61	93	1223	0.39	ng	94
7) n-Nitroso-di-n-propylamine	9.00	70	1155	0.45	ng	100
10) Nitrobenzene	9.40	77	1583	0.42	ng	99
11) bis(2-Chloroethoxy)methane	10.40	93	1734	0.40	ng	# 62
12) Naphthalene	11.04	128	4777	0.42	ng	99
13) Hexachlorobutadiene	11.32	225	743	0.43	ng	# 99
14) 2-Methylnaphthalene	12.66	142	3222	0.43	ng	93
18) Acenaphthylene	14.56	152	28433	0.44	ng	100
19) 2,6-Dinitrotoluene	14.44	165	4002	0.62	ng	# 100
20) Acenaphthene	14.92	154	2777	0.40	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	6699	0.83	ng	# 1
22) Fluorene	15.90	166	4726	0.44	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	2243	0.42	ng	97
25) 4-Bromophenyl-phenylether	16.78	248	1365	0.42	ng	98
26) Hexachlorobenzene	16.90	284	1472	0.44	ng	99
27) Pentachlorophenol	17.25	266	461	0.71	ng	89
28) Phenanthrene	17.63	178	8723	0.44	ng	100
29) Anthracene	17.72	178	8220	0.45	ng	99
30) Fluoranthene	19.63	202	41524	0.47	ng	100
32) Benzidine	19.83	184	2711	0.95	ng	# 84
33) Pyrene	19.99	202	45002	0.52	ng	99
35) Benzo(a)anthracene	21.73	228	24731	0.85	ng	95
36) 3,3'-Dichlorobenzidine	21.67	252	4352	0.73	ng	# 91
37) Chrysene	21.73	228	24880	1.05	ng	97
38) Bis(2-ethylhexyl)phthalate	21.64	149	45671	0.76	ng	# 98
39) Indeno(1,2,3-cd)pyrene	26.67	276	41448	0.52	ng	99
41) Benzo(b)fluoranthene	23.41	252	10535	0.46	ng	97
42) Benzo(k)fluoranthene	23.46	252	10683	0.46	ng	96
43) Benzo(a)pyrene	24.04	252	9431	0.47	ng	# 96
44) Dibenzo(a,h)anthracene	26.69	278	8469	0.49	ng	97
45) Benzo(g,h,i)perylene	27.43	276	34778	0.48	ng	96

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QLast Update : Wed Jul 27 17:13:26 2016
Response via : Initial Calibration

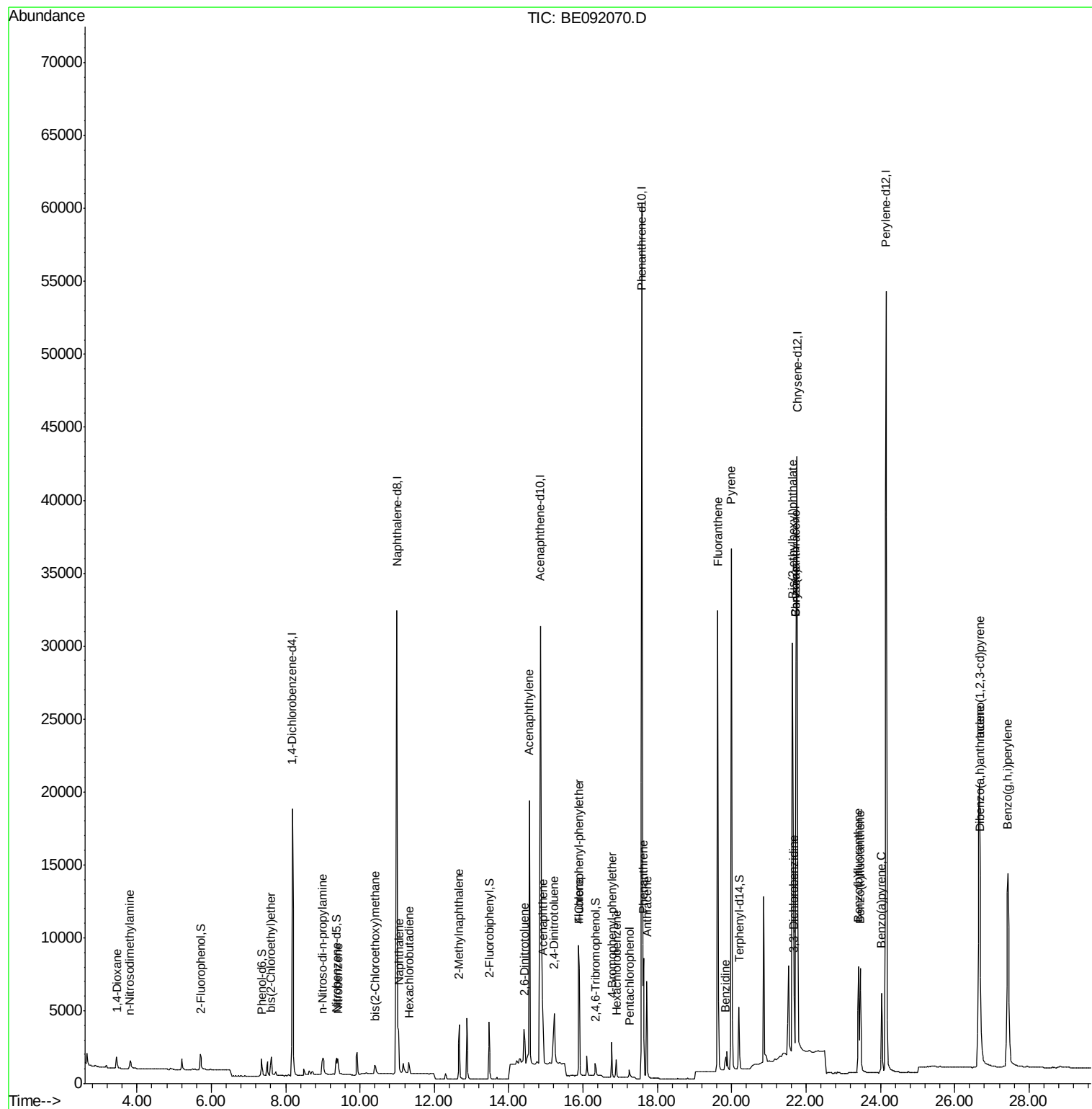
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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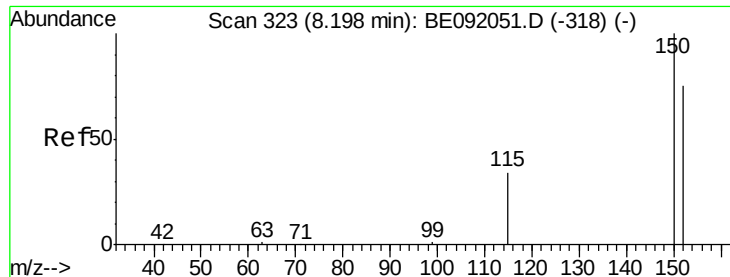
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. -0.02 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

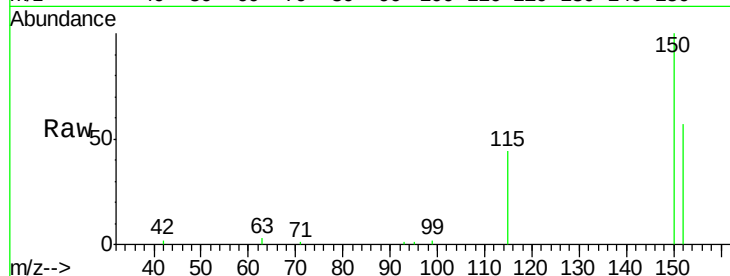
Tgt Ion: 152 Resp: 10786

Ion Ratio Lower Upper

152 100

150 175.6 106.0 159.0#

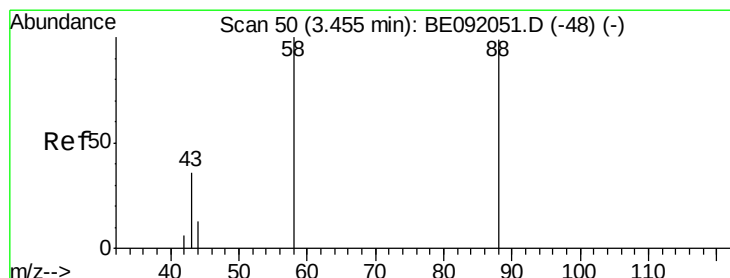
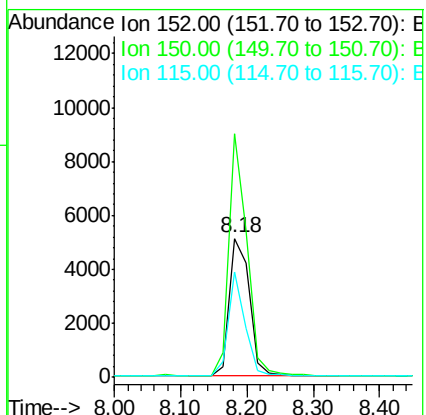
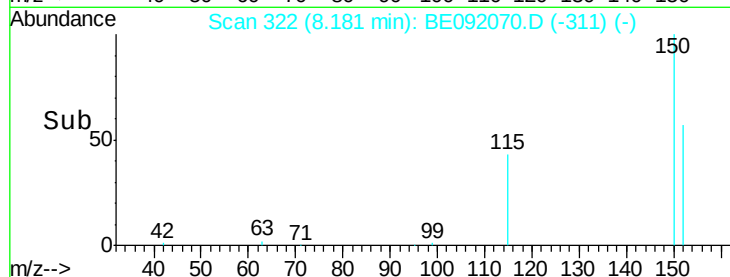
115 76.4 36.9 55.3#



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: 0.37 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

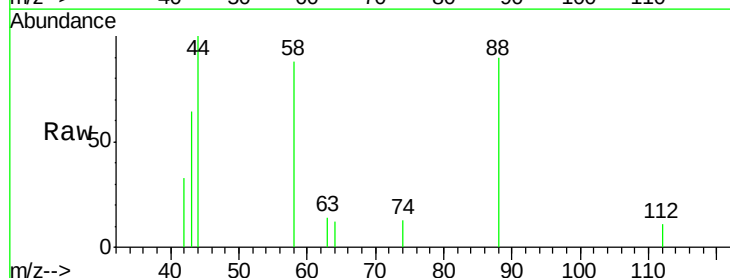
Tgt Ion: 88 Resp: 543

Ion Ratio Lower Upper

88 100

58 85.5 62.1 93.1

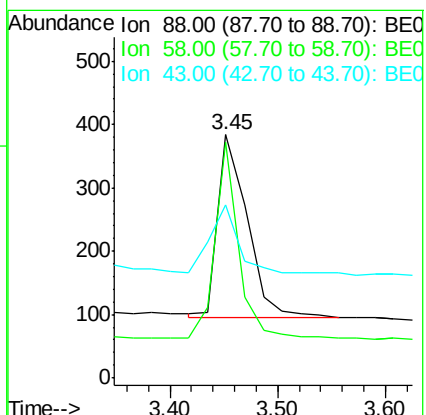
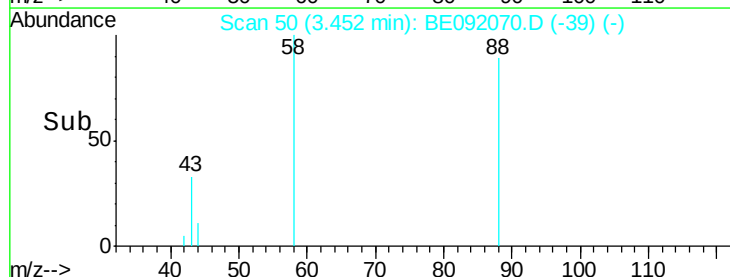
43 44.4 27.2 40.8#

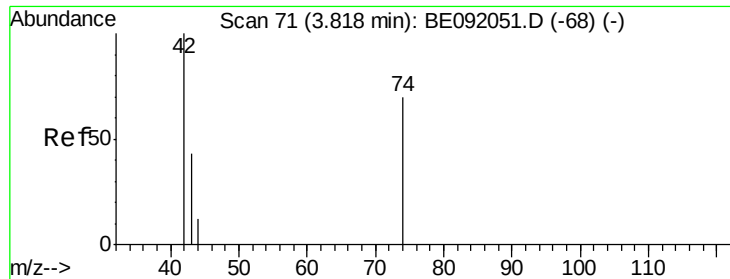


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.41 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

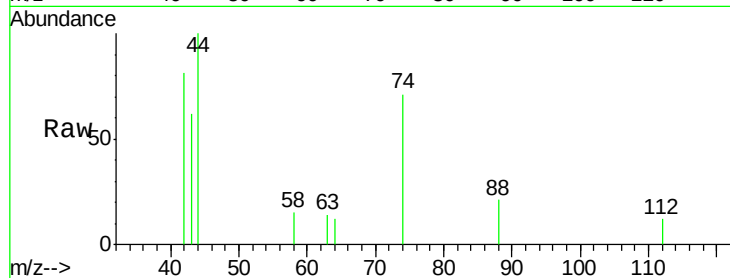
Tgt Ion: 42 Resp: 725

Ion Ratio Lower Upper

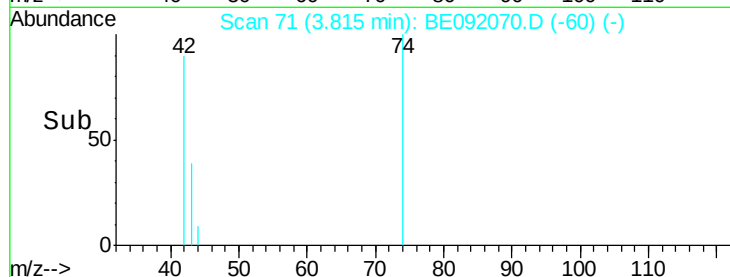
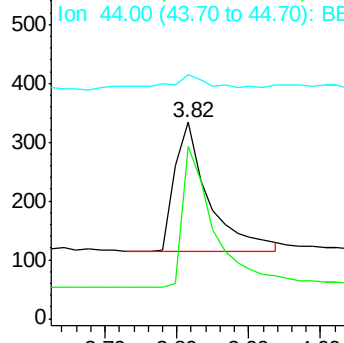
42 100

74 100.7 82.8 124.2

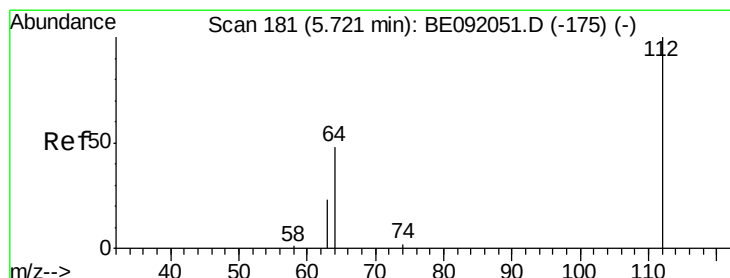
44 17.1 9.0 13.4#



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



Time-->



#4

2-Fluorophenol

Concen: 0.49 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

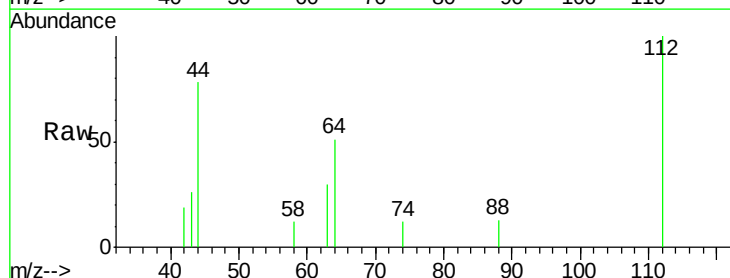
Tgt Ion: 112 Resp: 1182

Ion Ratio Lower Upper

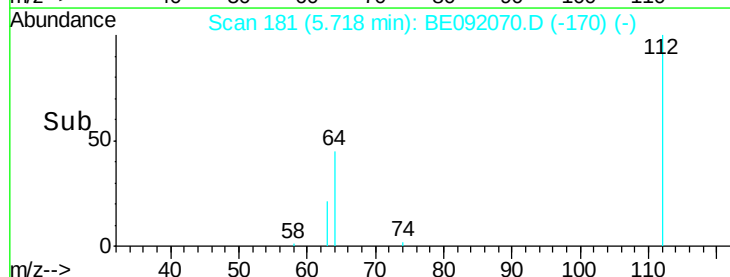
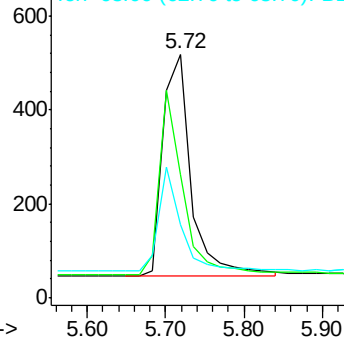
112 100

64 67.7 55.9 83.9

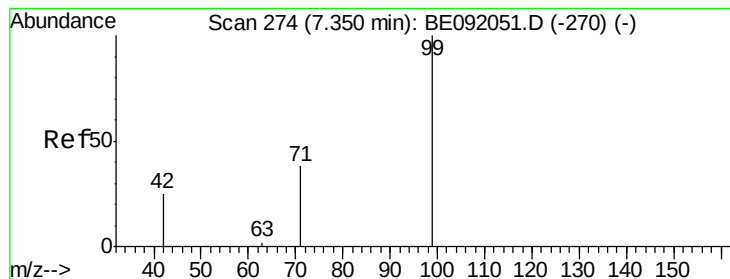
63 36.4 31.1 46.7



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



Time-->



#5

Phenol-d6

Concen: 0.50 ng

RT: 7.35 min Scan# 274

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

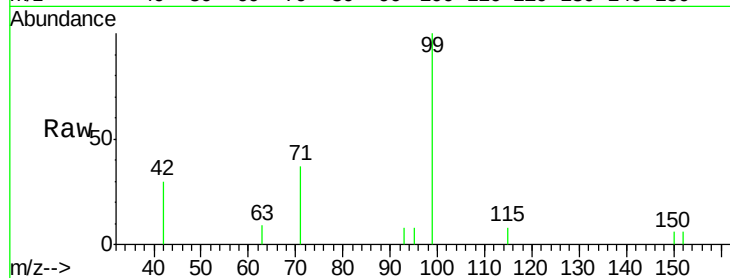
Tgt Ion: 99 Resp: 1617

Ion Ratio Lower Upper

99 100

42 26.5 22.4 33.6

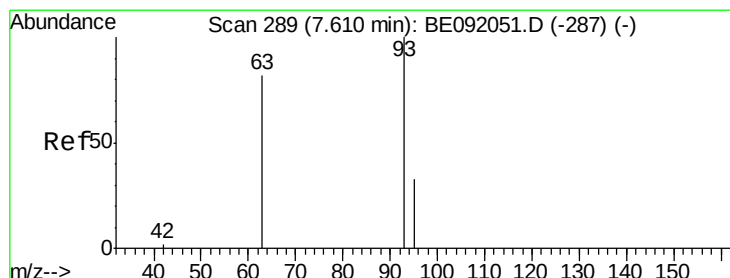
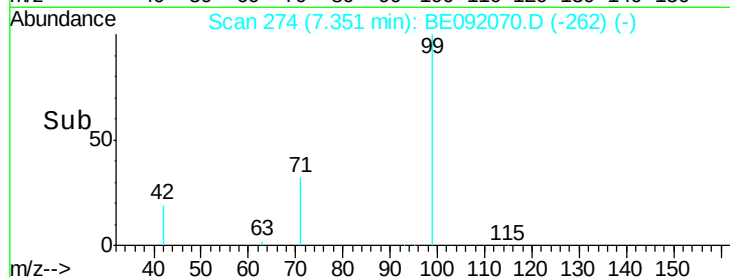
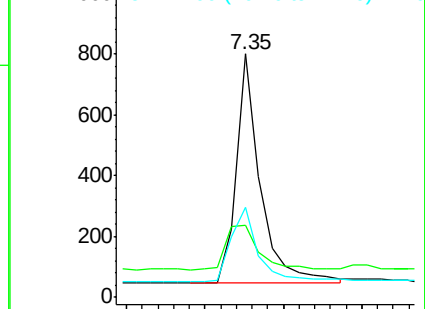
71 35.6 28.9 43.3



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: 0.39 ng

RT: 7.61 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

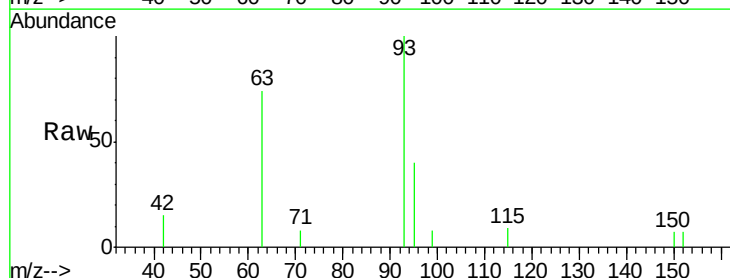
Tgt Ion: 93 Resp: 1223

Ion Ratio Lower Upper

93 100

63 86.9 64.4 96.6

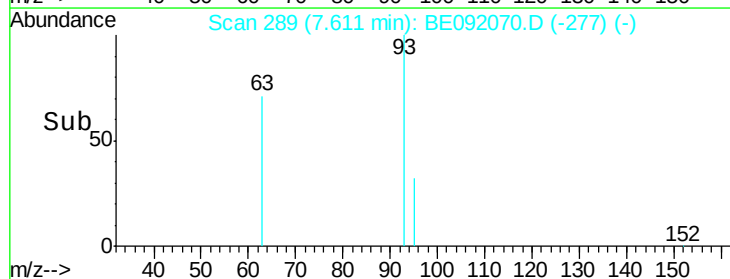
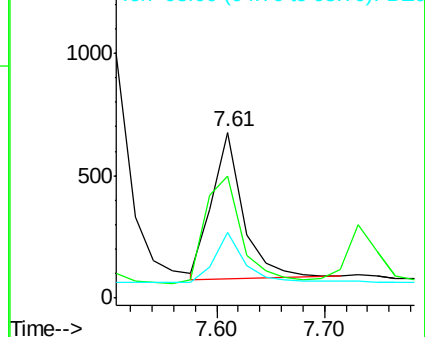
95 33.9 25.8 38.8

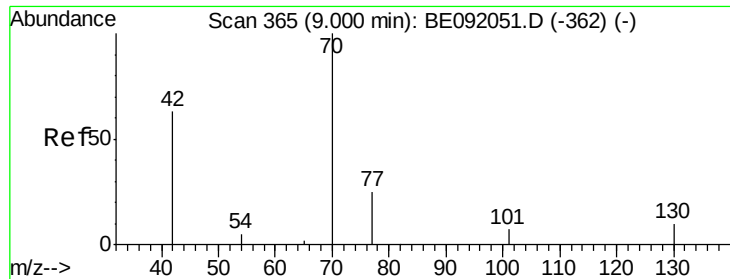


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.45 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 1155

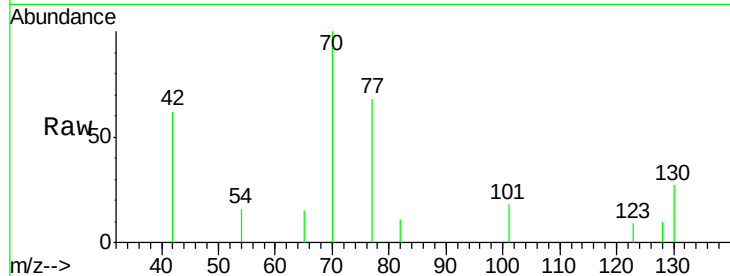
Ion Ratio Lower Upper

70 100

42 75.2 60.2 90.4

101 8.5 6.8 10.2

130 16.5 13.3 19.9



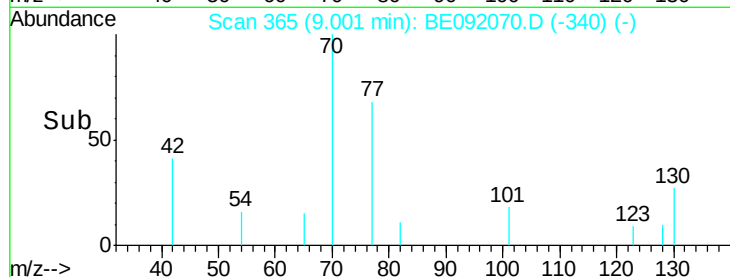
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

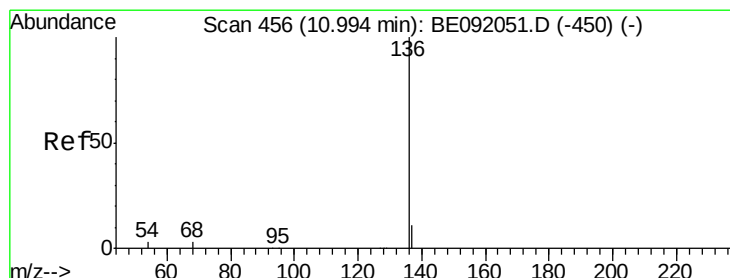
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Tgt Ion: 136 Resp: 52387

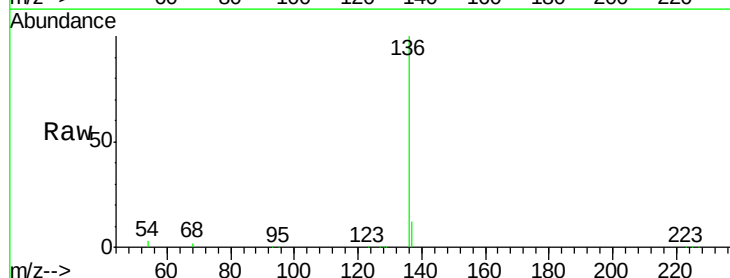
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 2.9 2.7 4.1

68 2.4 2.2 3.4



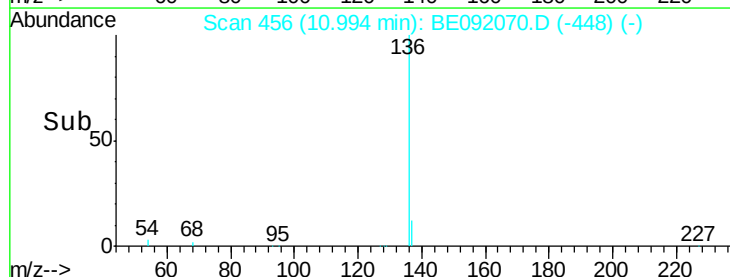
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

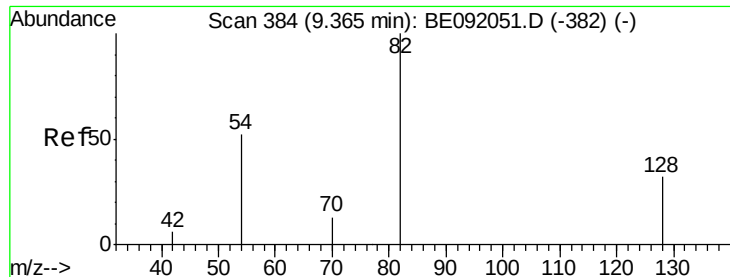
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#9

Nitrobenzene-d5

Concen: 0.39 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE092070.D

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SSTDCCC0.4EC

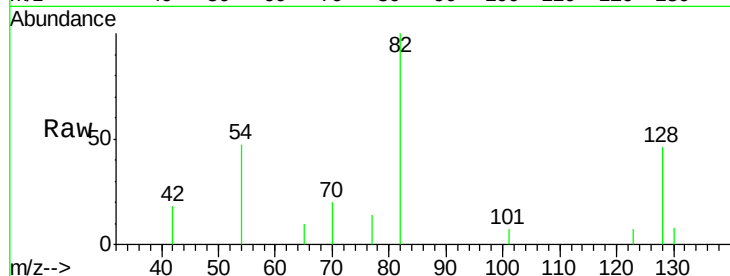
Tgt Ion: 82 Resp: 1524

Ion Ratio Lower Upper

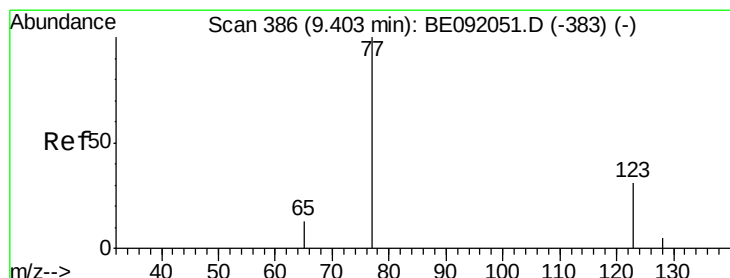
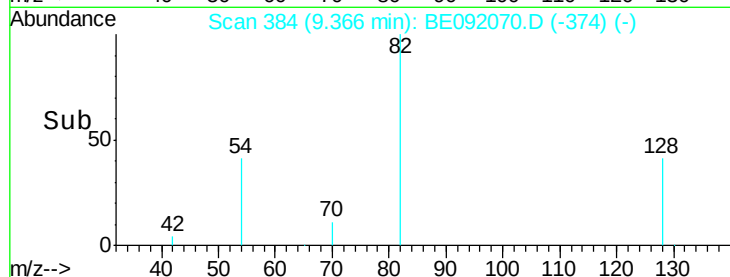
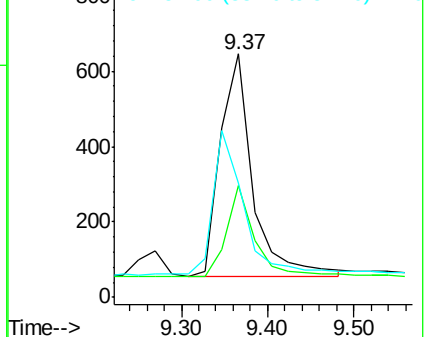
82 100

128 45.8 33.0 49.4

54 47.2 42.6 63.8



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



#10

Nitrobenzene

Concen: 0.42 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

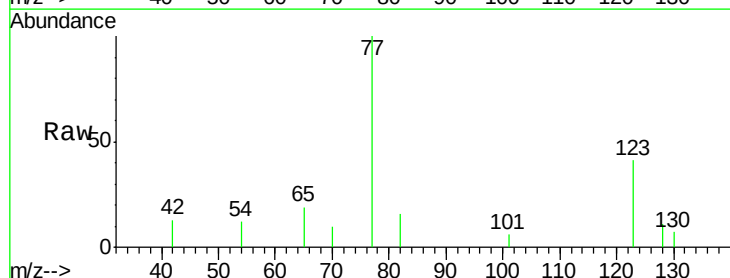
Tgt Ion: 77 Resp: 1583

Ion Ratio Lower Upper

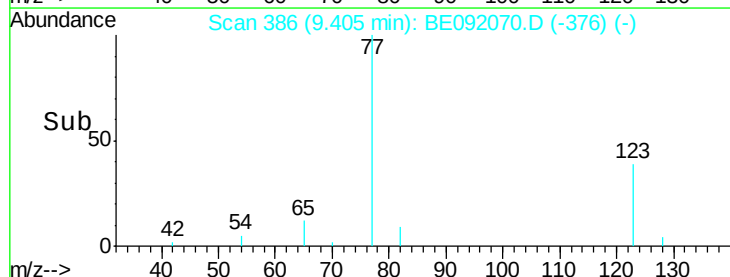
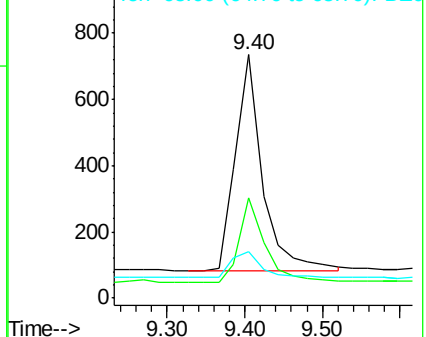
77 100

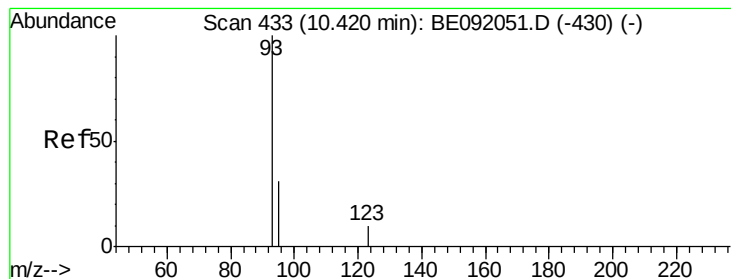
123 37.1 29.9 44.9

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

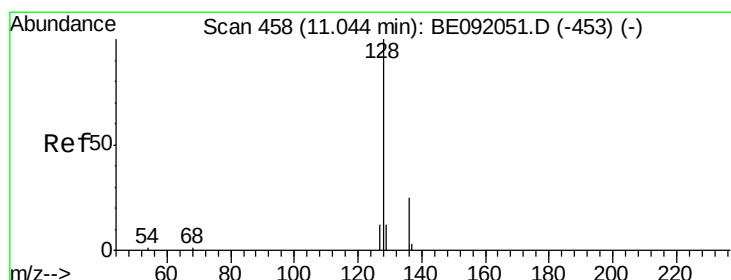
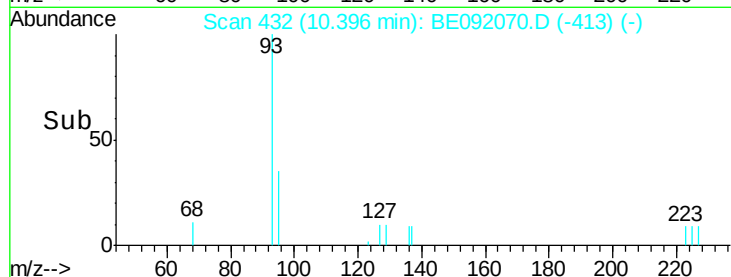
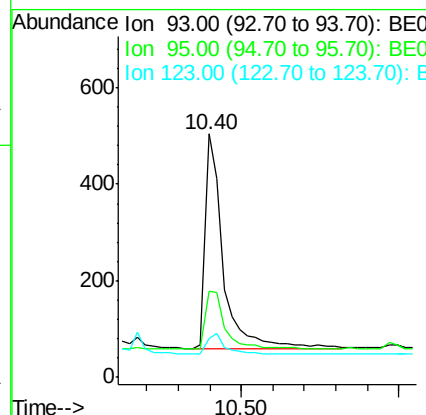
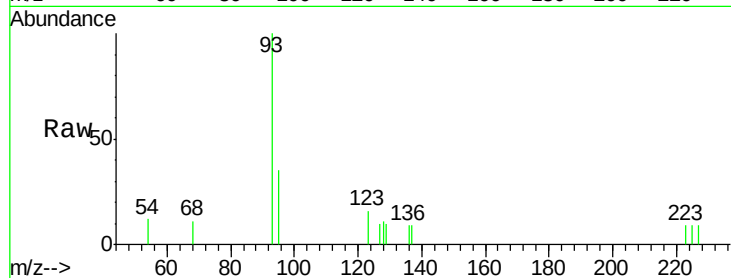




#11
 bis(2-Chloroethoxy)methane
 Concen: 0.40 ng
 RT: 10.40 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BE092070.D
 Acq: 28 Jul 2016 6:59

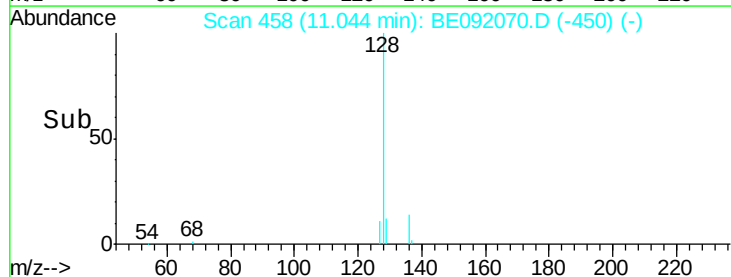
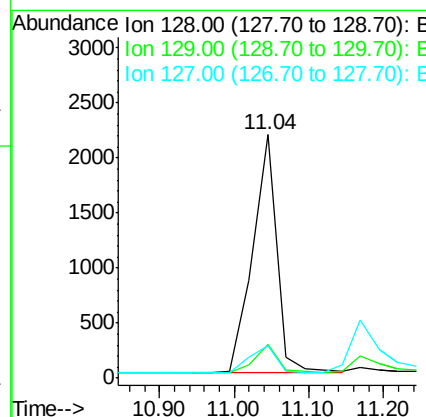
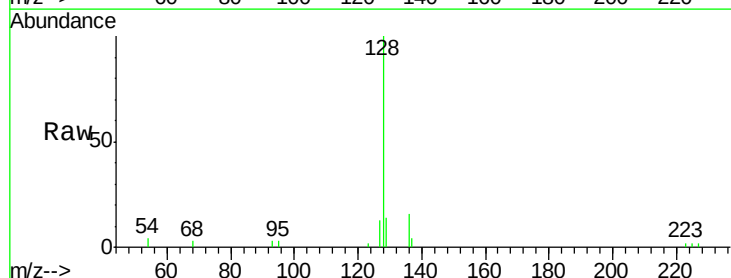
Instrument :
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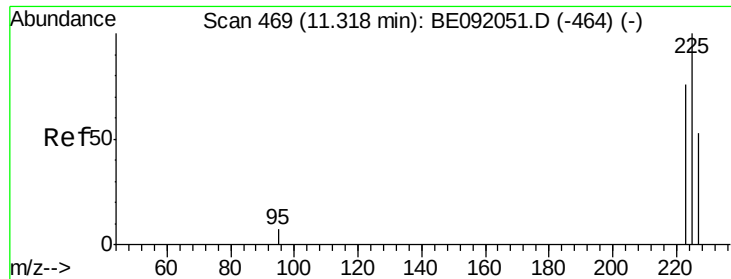
Tgt Ion: 93 Resp: 1734
 Ion Ratio Lower Upper
 93 100
 95 54.2 25.0 37.6#
 123 0.0 7.8 11.8#



#12
 Naphthalene
 Concen: 0.42 ng
 RT: 11.04 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: BE092070.D
 Acq: 28 Jul 2016 6:59

Tgt Ion: 128 Resp: 4777
 Ion Ratio Lower Upper
 128 100
 129 13.9 11.1 16.7
 127 13.4 11.3 16.9

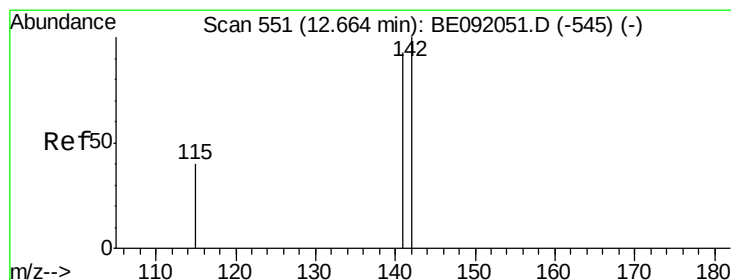
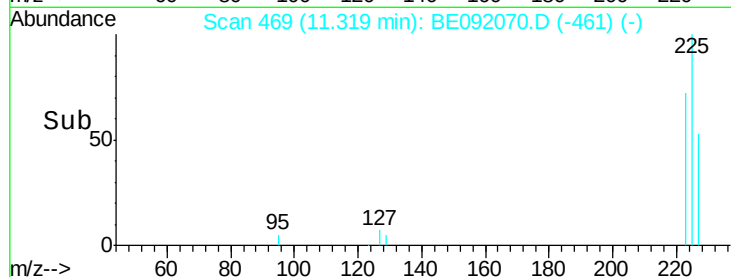
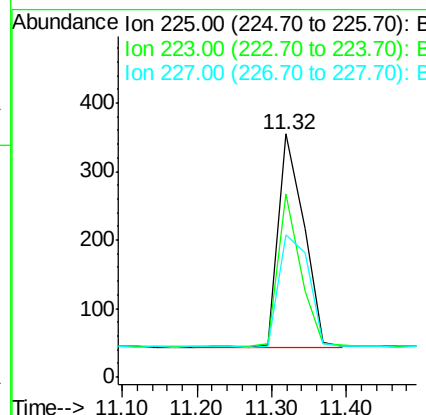
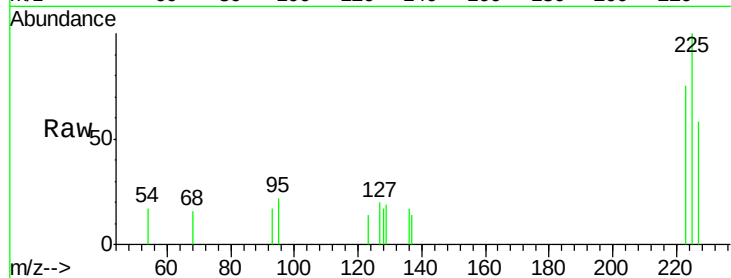




#13
Hexachlorobutadiene
Concen: 0.43 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092070.D
Acq: 28 Jul 2016 6:59

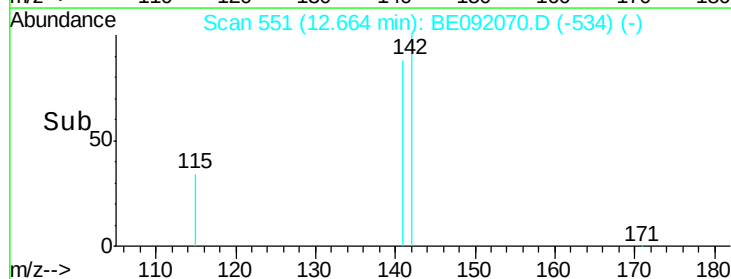
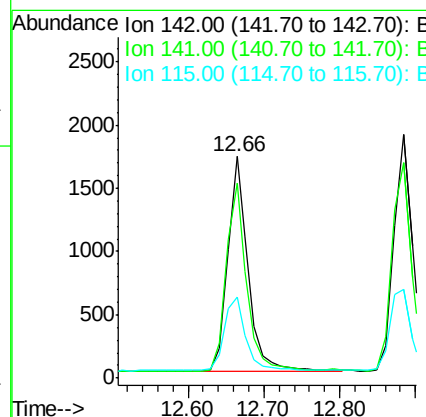
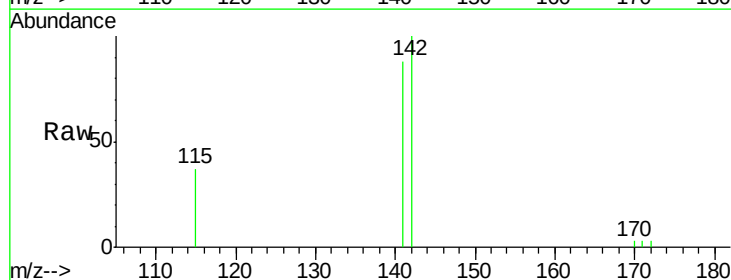
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

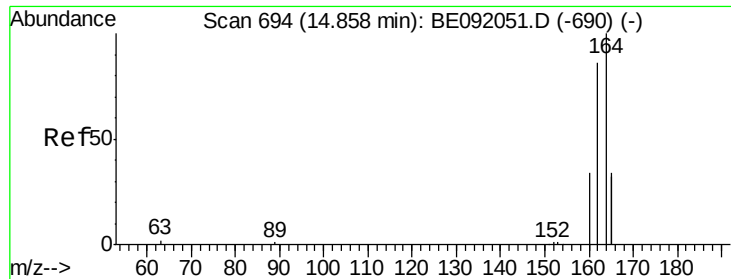
Tgt Ion: 225 Resp: 743
Ion Ratio Lower Upper
225 100
223 63.9 51.9 77.9
227 62.3 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.43 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.00 min
Lab File: BE092070.D
Acq: 28 Jul 2016 6:59

Tgt Ion: 142 Resp: 3222
Ion Ratio Lower Upper
142 100
141 88.0 65.1 97.7
115 36.8 27.0 40.4





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

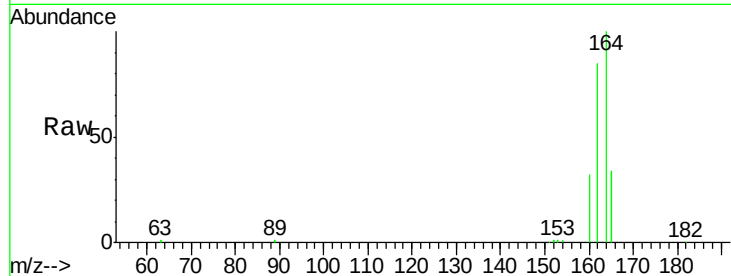
Tgt Ion:164 Resp: 25114

Ion Ratio Lower Upper

164 100

162 85.4 69.5 104.3

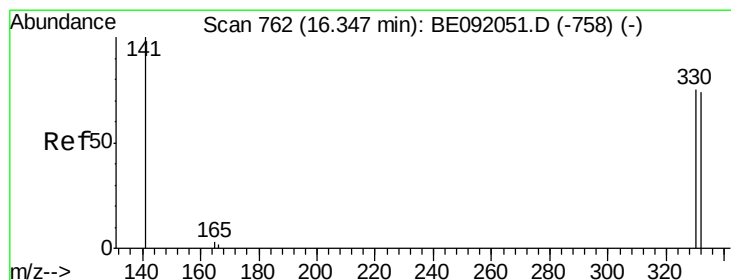
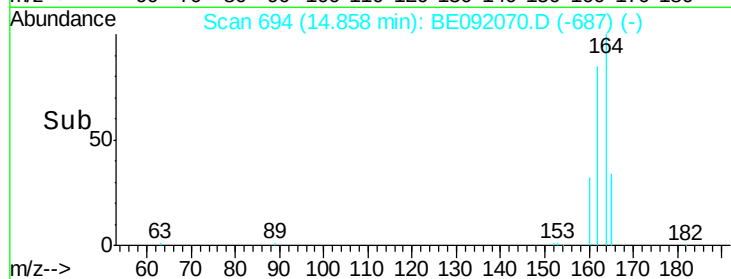
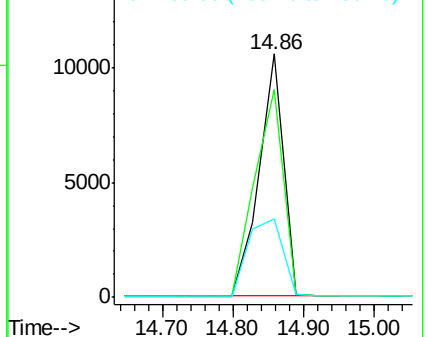
160 32.4 27.6 41.4



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: 0.60 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

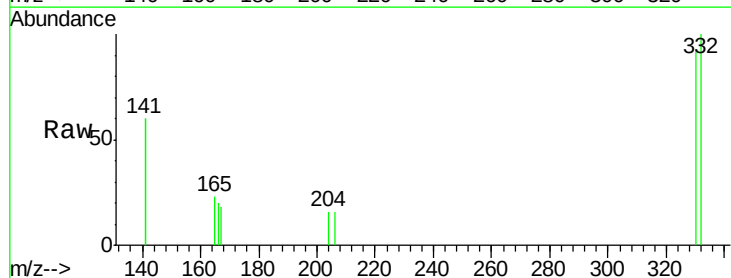
Tgt Ion:330 Resp: 494

Ion Ratio Lower Upper

330 100

332 97.2 74.2 111.4

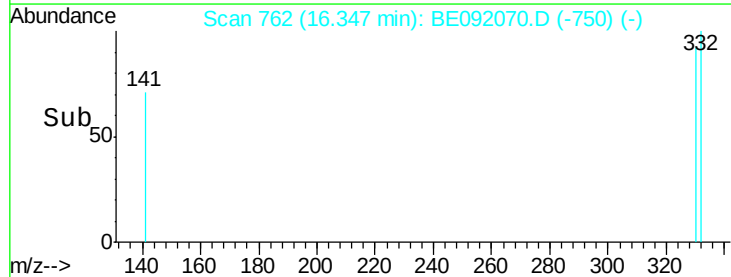
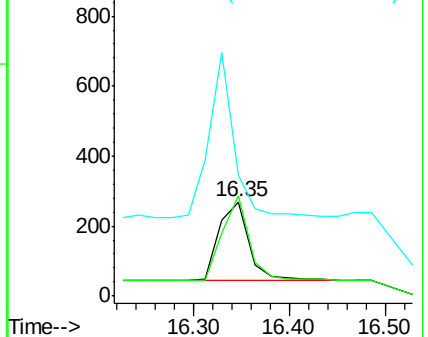
141 173.7 139.8 209.8

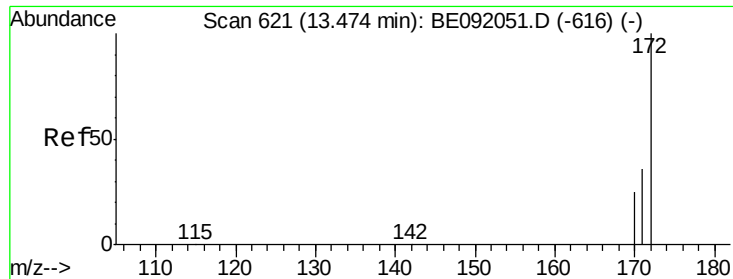


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

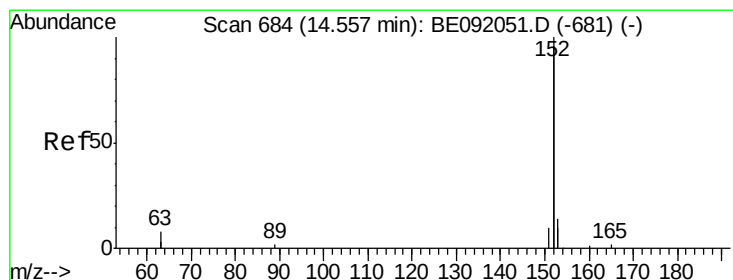
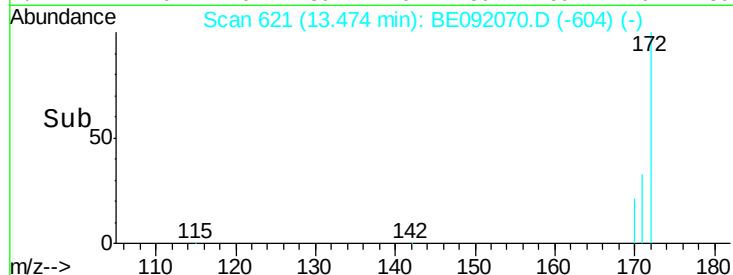
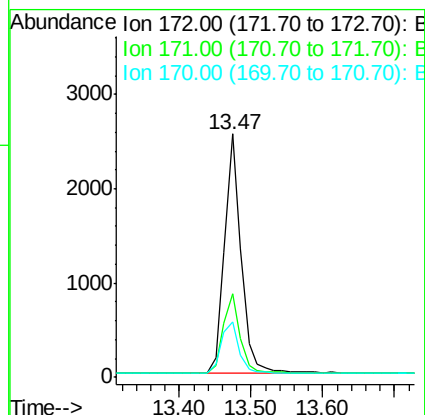
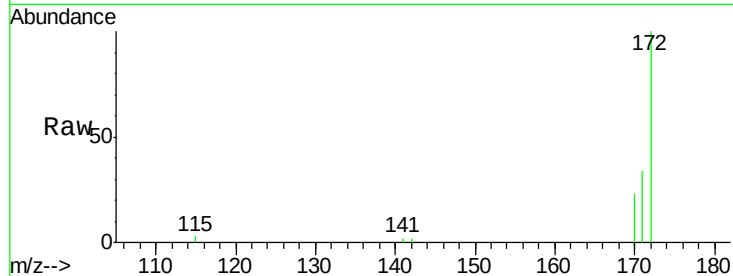




#17
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.47 min Scan# 621
Delta R.T. -0.00 min
Lab File: BE092070.D
Acq: 28 Jul 2016 6:59

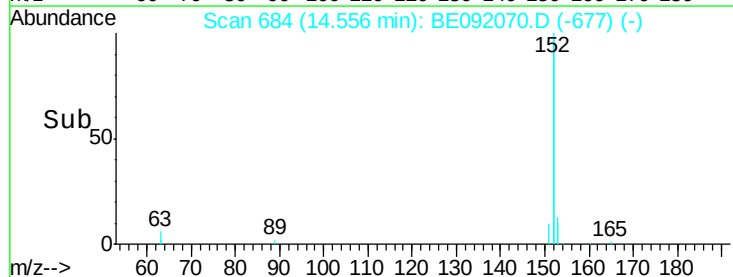
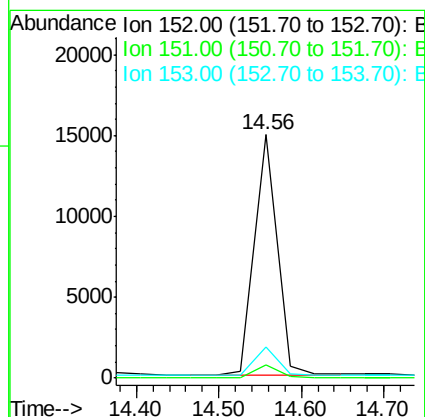
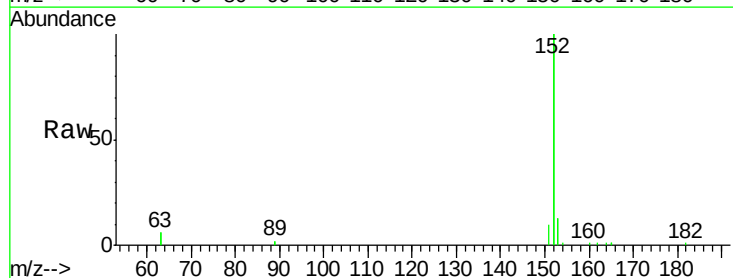
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

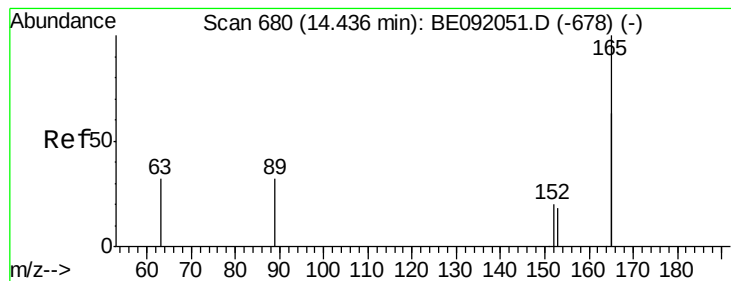
Tgt Ion:172 Resp: 4101
Ion Ratio Lower Upper
172 100
171 34.4 30.3 45.5
170 22.8 21.6 32.4



#18
Acenaphthylene
Concen: 0.44 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092070.D
Acq: 28 Jul 2016 6:59

Tgt Ion:152 Resp: 28433
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 12.1 9.6 14.4





#19

2,6-Dinitrotoluene

Concen: 0.62 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

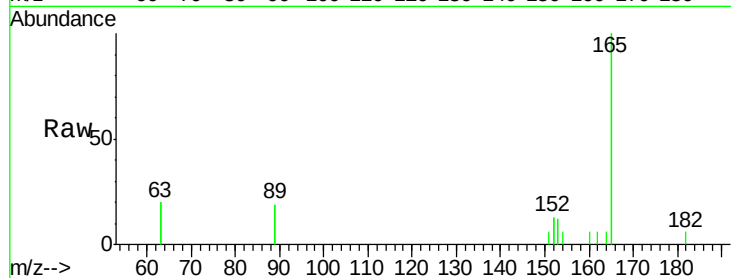
Tgt Ion:165 Resp: 4002

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

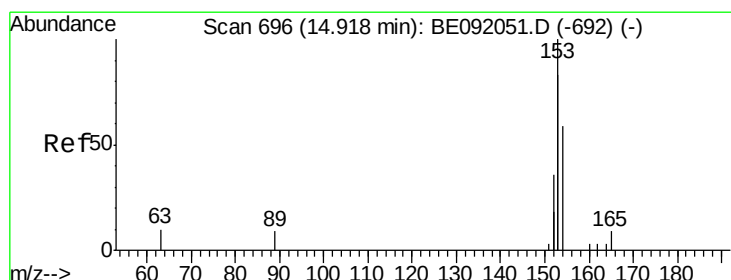
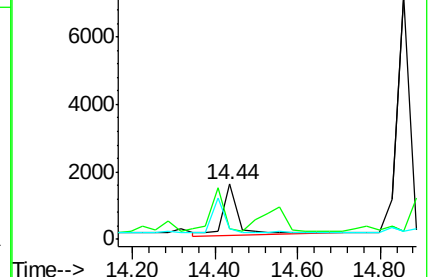
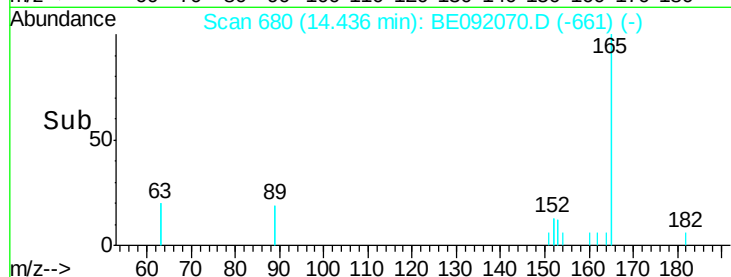
89 0.0 0.0 0.0



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: 0.40 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

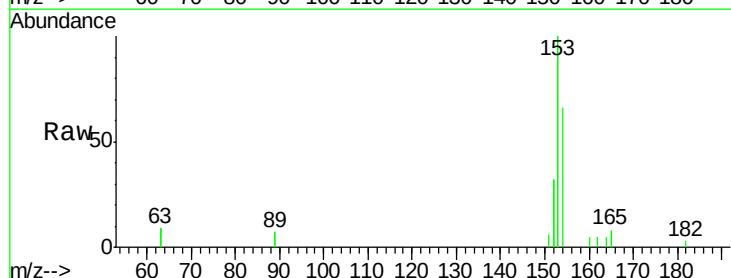
Tgt Ion:154 Resp: 2777

Ion Ratio Lower Upper

154 100

153 0.0 345.1 517.7#

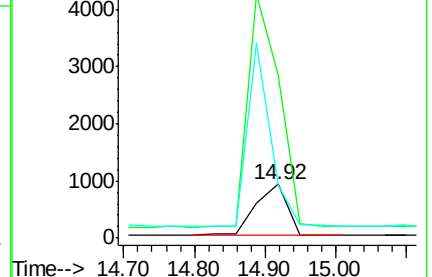
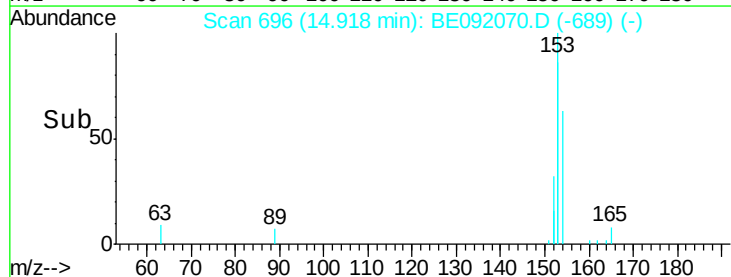
152 0.0 0.0 0.0

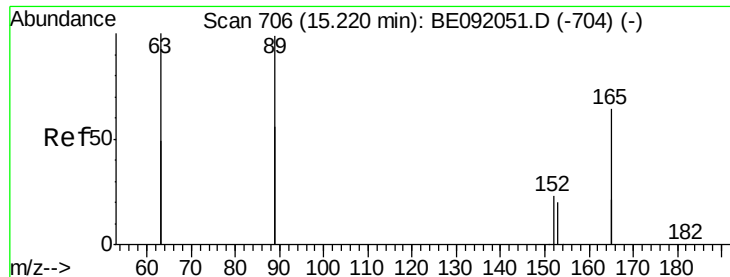


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

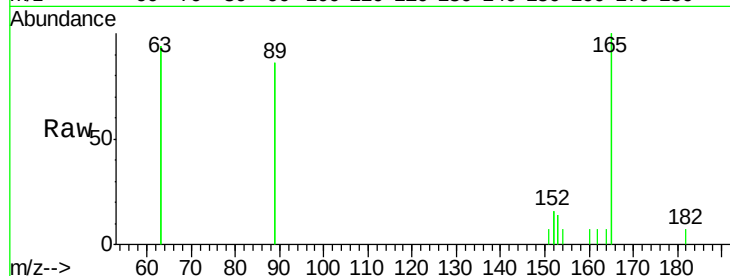




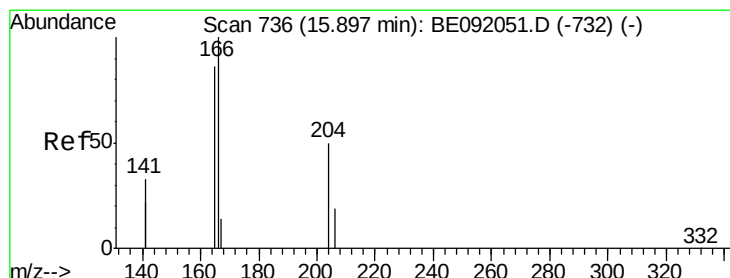
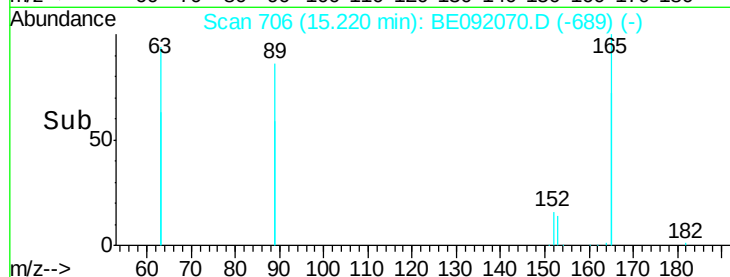
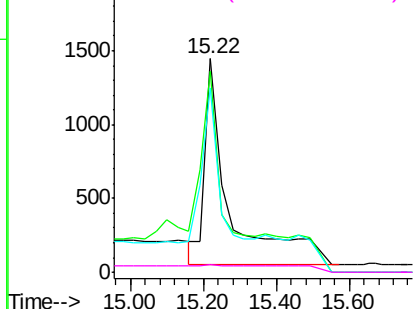
#21
2,4-Dinitrotoluene
Concen: 0.83 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092070.D
Acq: 28 Jul 2016 6:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:165 Resp: 6699
Ion Ratio Lower Upper
165 100
63 157.7 324.0 486.0#
89 46.0 308.4 462.6#
182 0.0 0.0 0.0

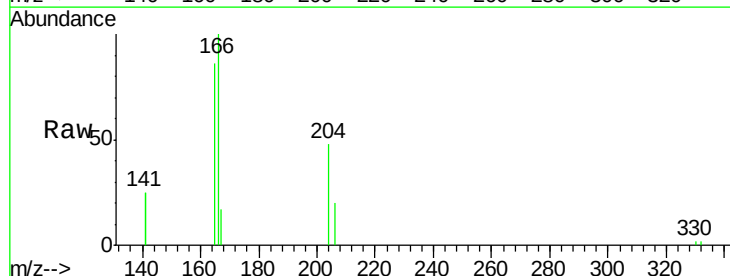


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

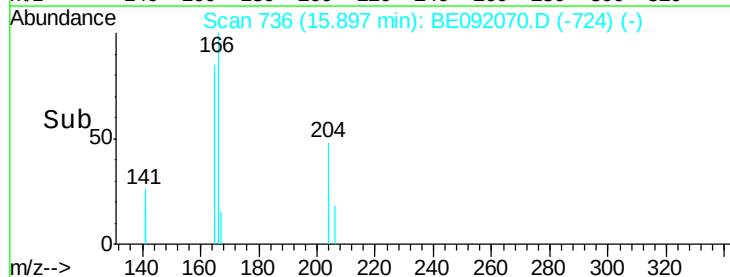
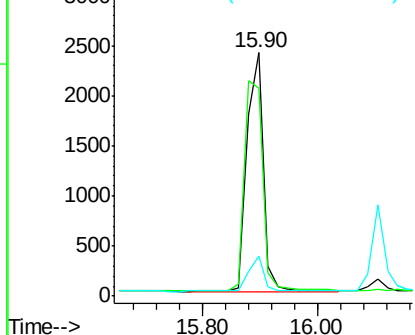


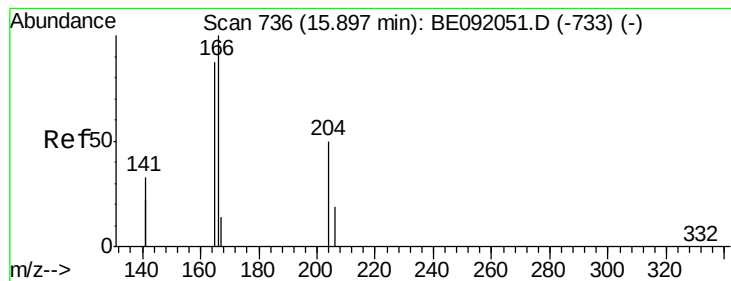
#22
Fluorene
Concen: 0.44 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092070.D
Acq: 28 Jul 2016 6:59

Tgt Ion:166 Resp: 4726
Ion Ratio Lower Upper
166 100
165 98.7 78.6 118.0
167 13.9 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: 0.42 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

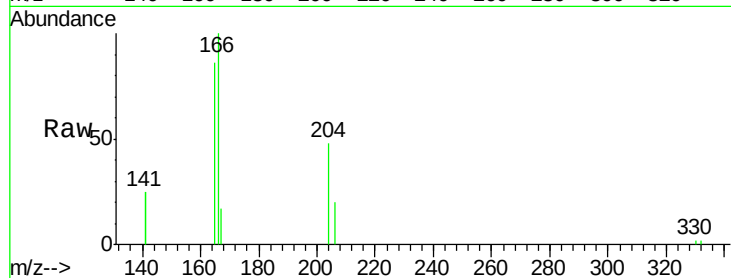
Tgt Ion: 204 Resp: 2243

Ion Ratio Lower Upper

204 100

206 33.7 27.0 40.4

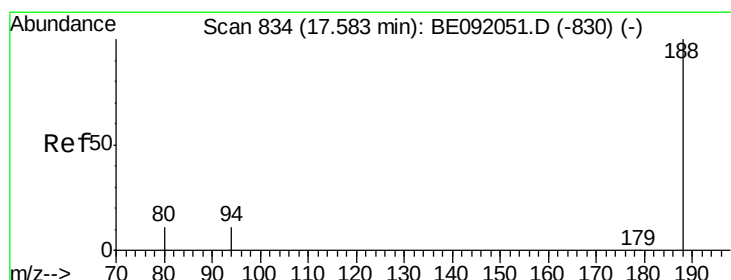
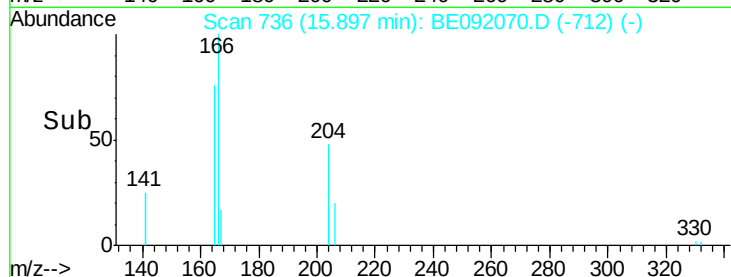
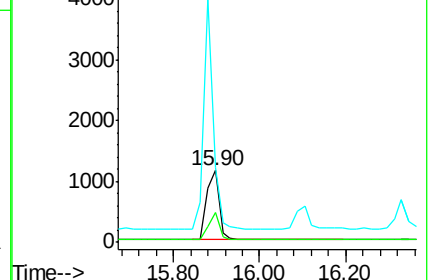
141 254.0 198.5 297.7



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 834

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

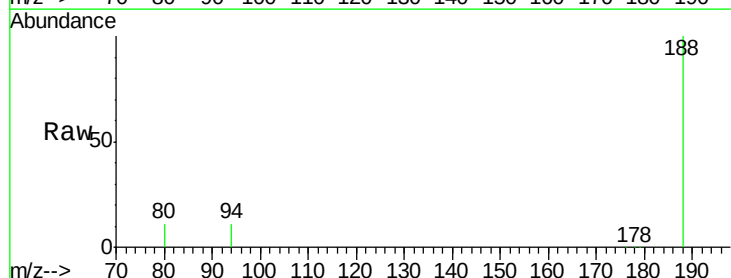
Tgt Ion: 188 Resp: 78582

Ion Ratio Lower Upper

188 100

94 11.1 3.9 5.9#

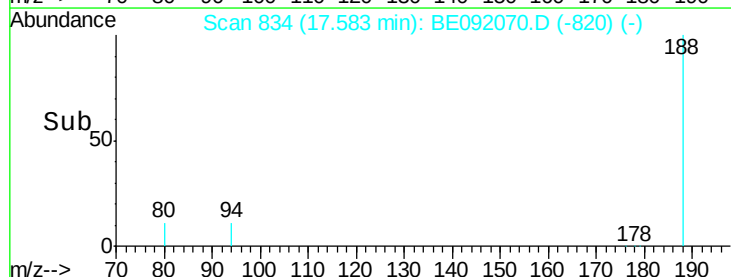
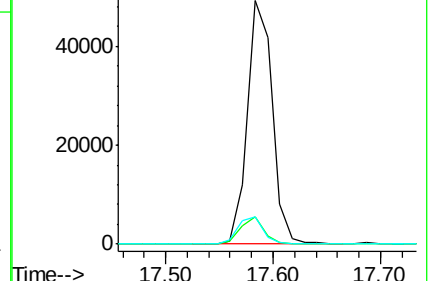
80 11.1 3.4 5.0#

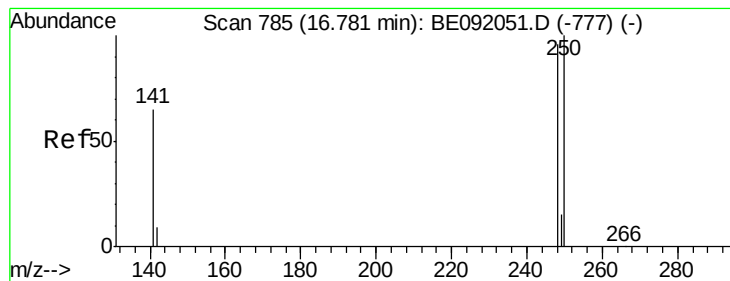


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

4-Bromophenyl-phenylether

Concen: 0.42 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

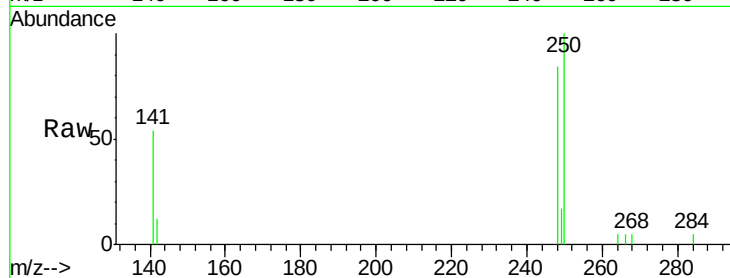
Tgt Ion:248 Resp: 1365

Ion Ratio Lower Upper

248 100

250 101.5 79.6 119.4

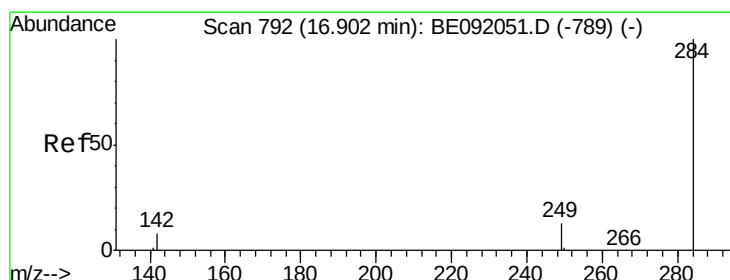
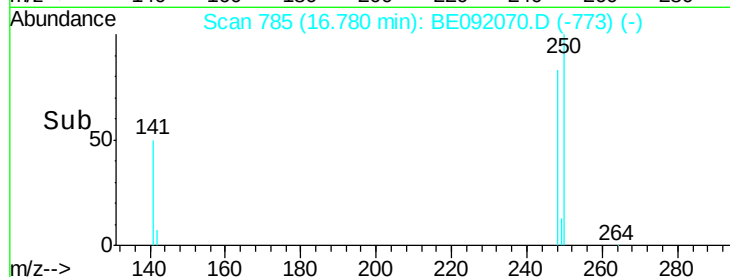
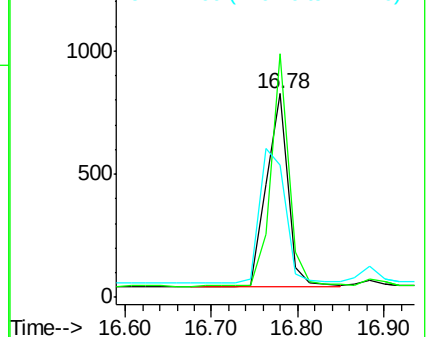
141 84.3 68.7 103.1



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: 0.44 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

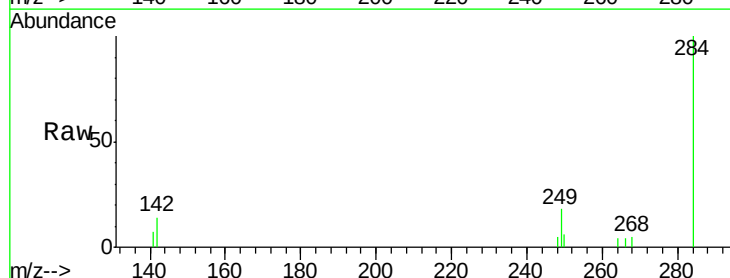
Tgt Ion:284 Resp: 1472

Ion Ratio Lower Upper

284 100

142 41.1 33.3 49.9

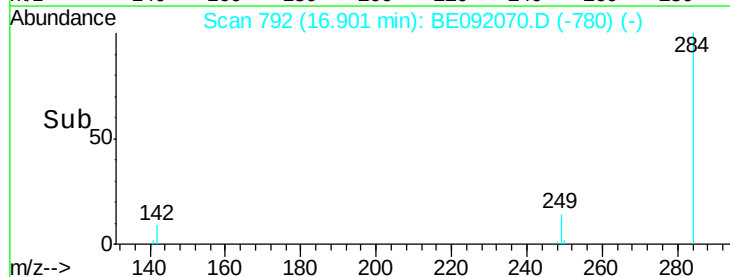
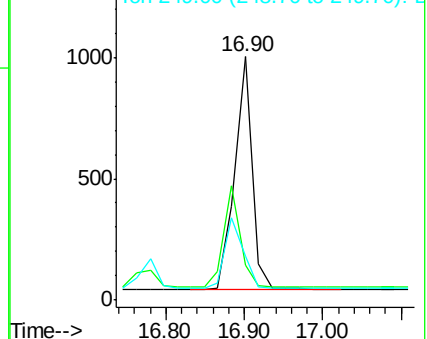
249 32.5 25.4 38.0

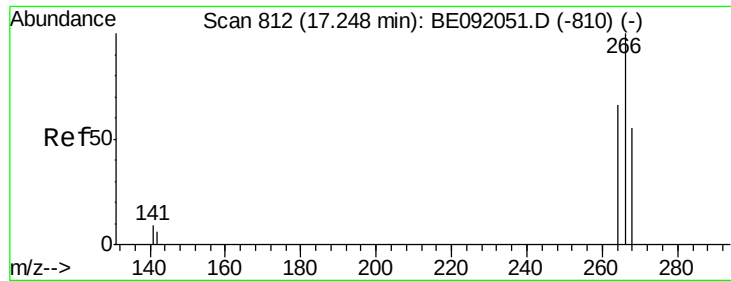


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.71 ng

RT: 17.25 min Scan# 812

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

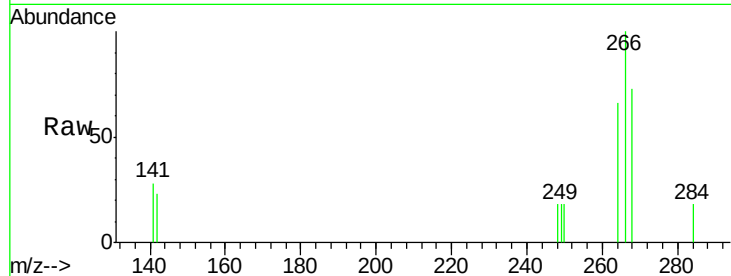
Tgt Ion:266 Resp: 461

Ion Ratio Lower Upper

266 100

268 73.4 62.7 94.1

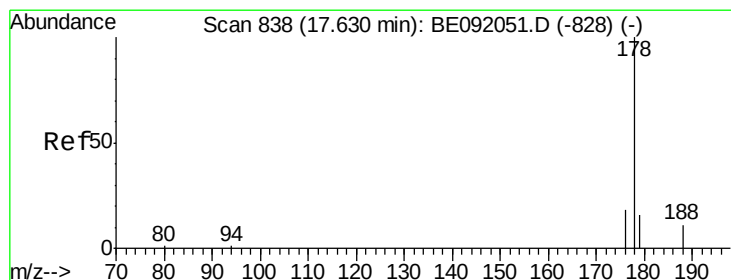
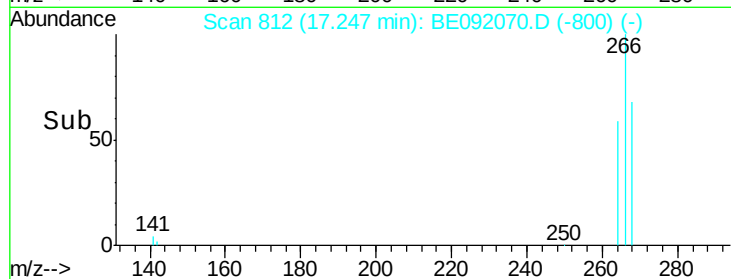
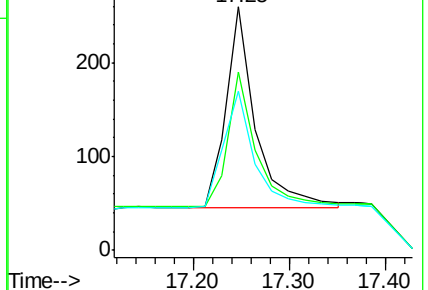
264 65.6 63.5 95.3



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: 0.44 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

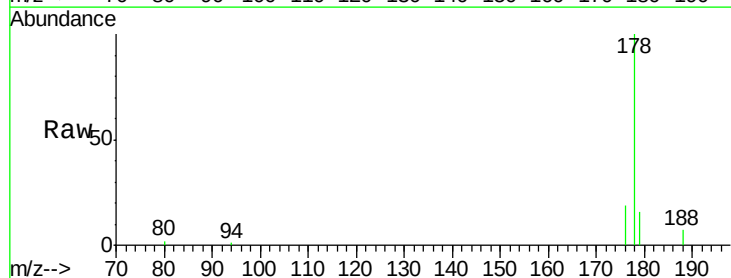
Tgt Ion:178 Resp: 8723

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

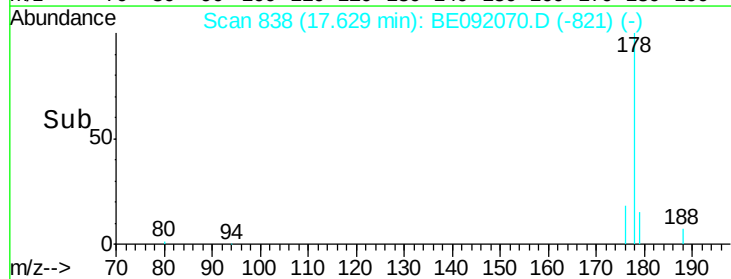
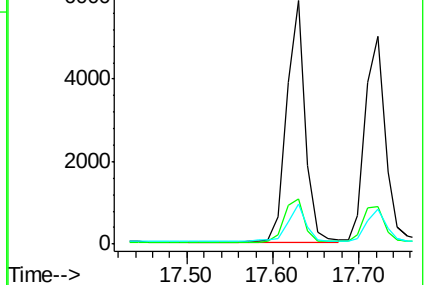
179 16.1 12.7 19.1

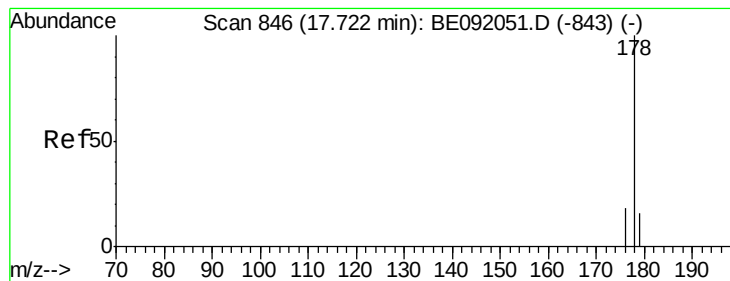


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.45 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

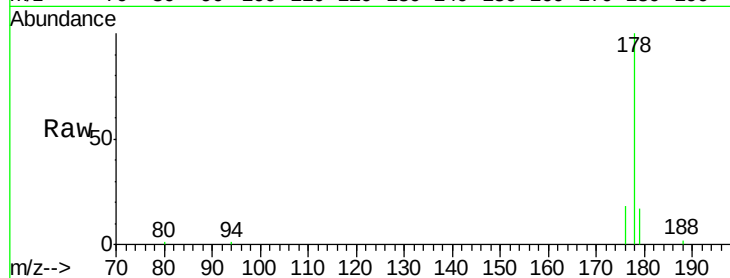
Tgt Ion:178 Resp: 8220

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

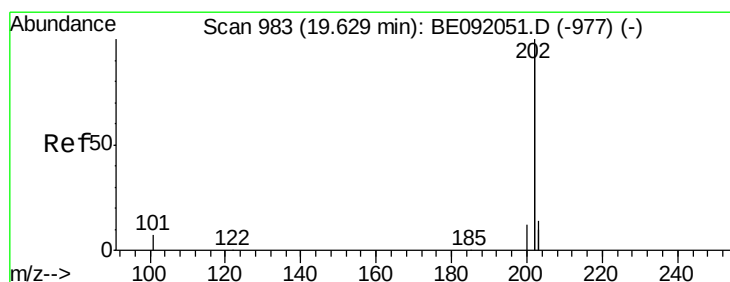
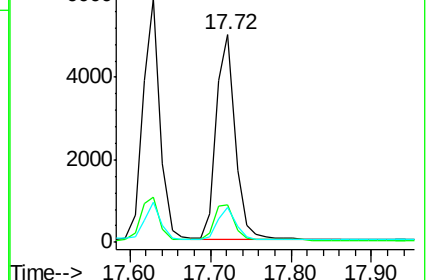
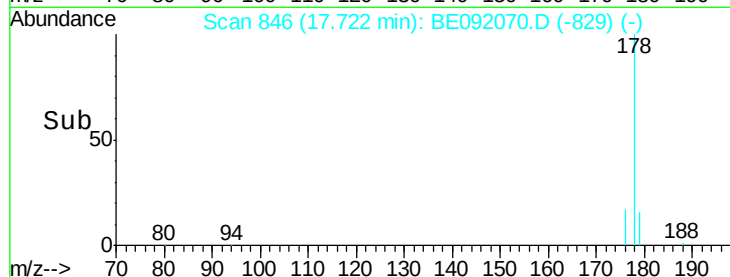
179 15.1 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.47 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

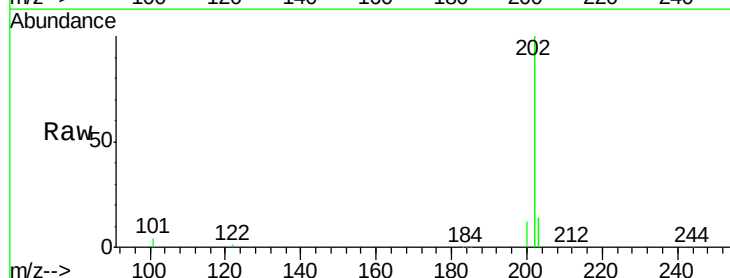
Tgt Ion:202 Resp: 41524

Ion Ratio Lower Upper

202 100

101 2.4 2.2 3.2

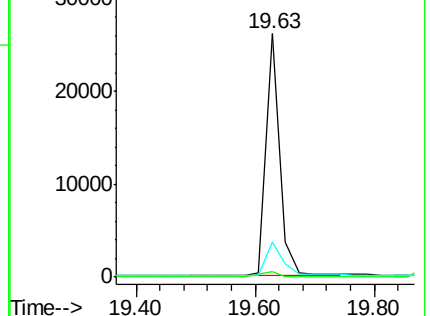
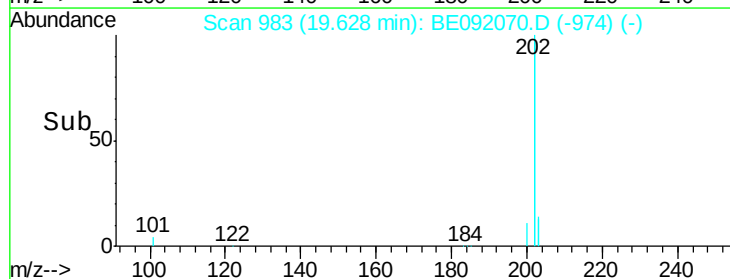
203 16.2 13.0 19.4

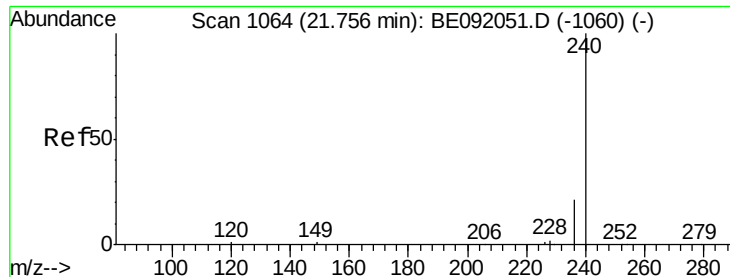


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

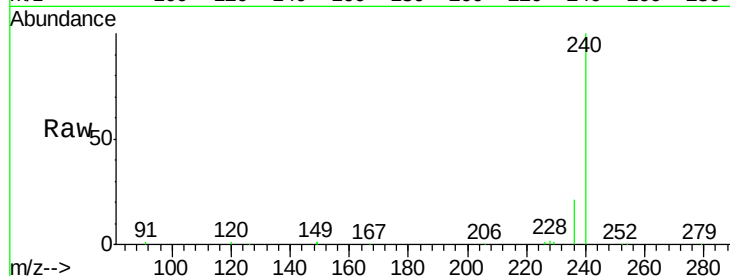
Tgt Ion:240 Resp: 67682

Ion Ratio Lower Upper

240 100

120 0.8 0.6 1.0

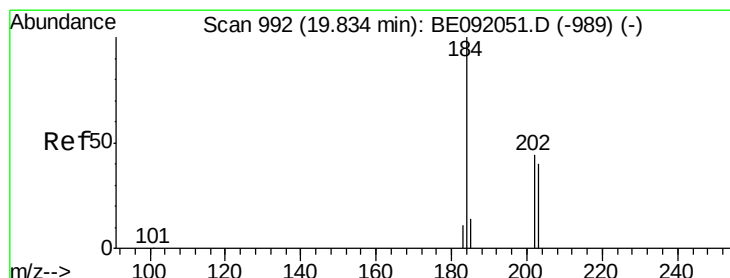
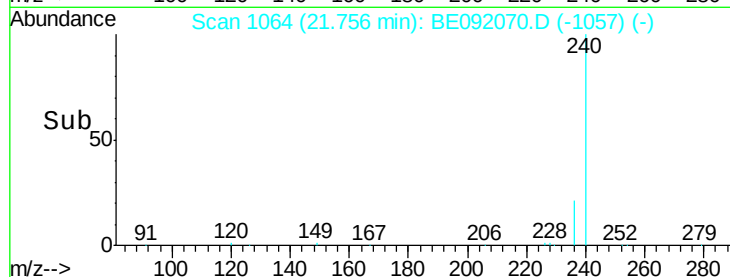
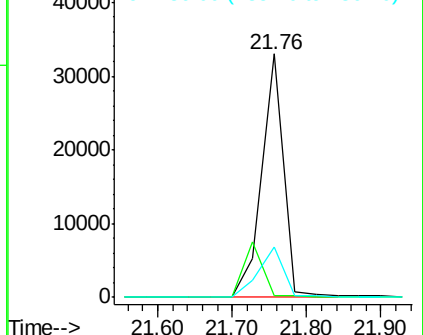
236 20.7 18.2 27.4



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: 0.95 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

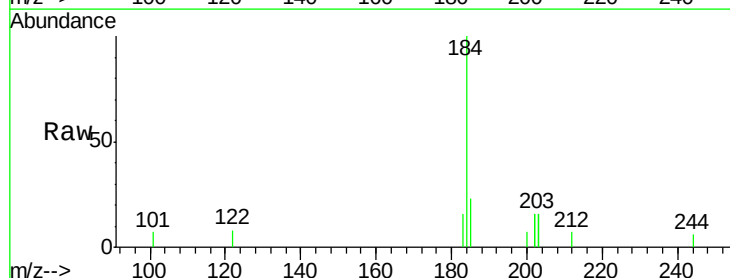
Tgt Ion:184 Resp: 2711

Ion Ratio Lower Upper

184 100

185 22.5 23.8 35.6#

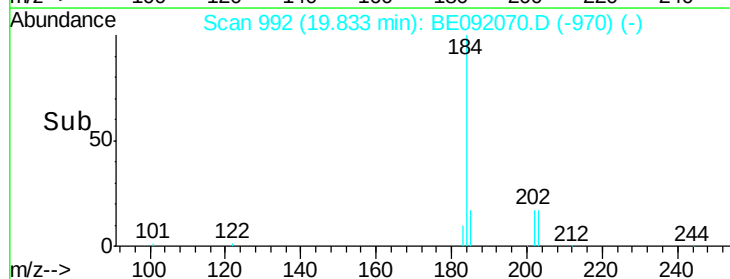
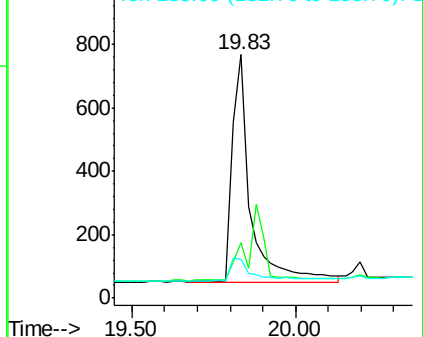
183 16.0 20.7 31.1#

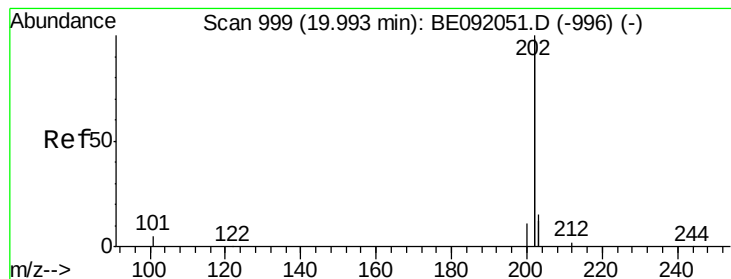


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.52 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

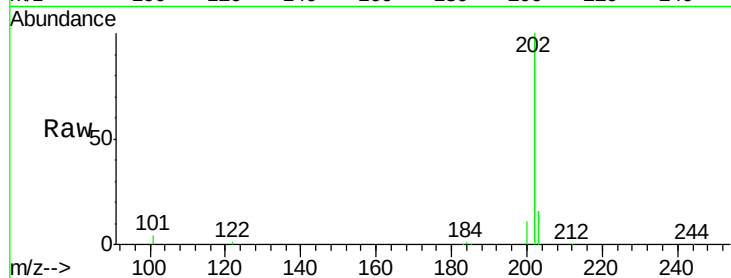
BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 202 Resp: 45002

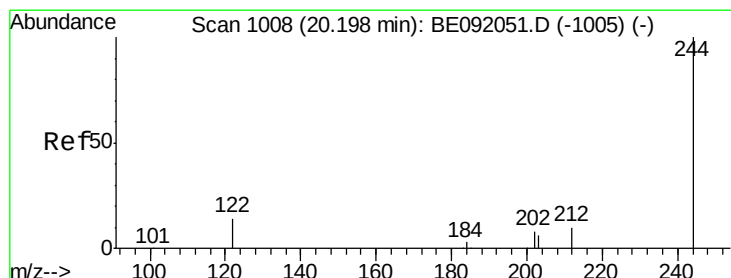
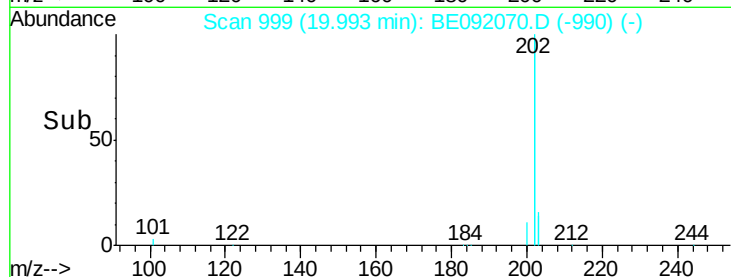
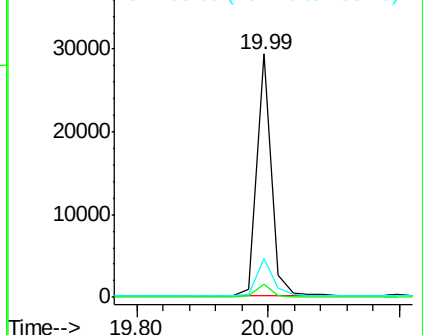
Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.4	6.6
203	16.9	13.4	20.0



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: 0.49 ng

RT: 20.20 min Scan# 1008

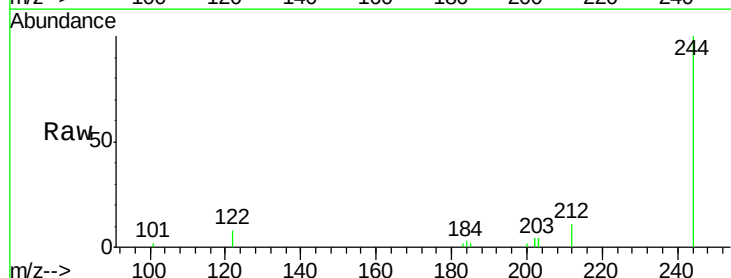
Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Tgt Ion: 244 Resp: 6194

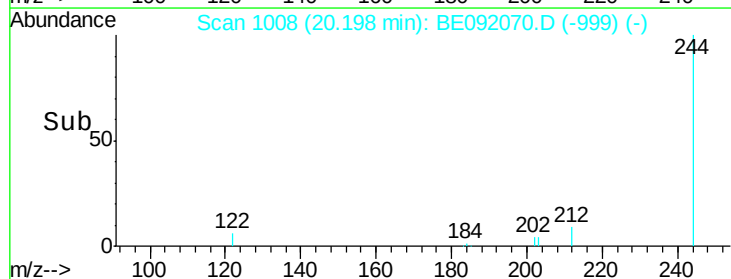
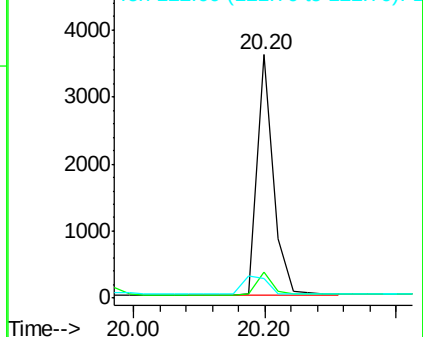
Ion	Ratio	Lower	Upper
244	100		
212	10.7	9.1	13.7
122	8.0	11.0	16.4

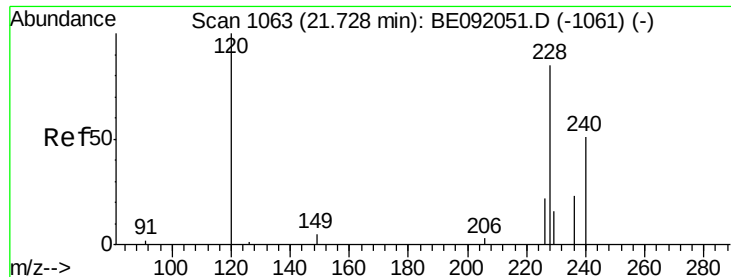


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.85 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

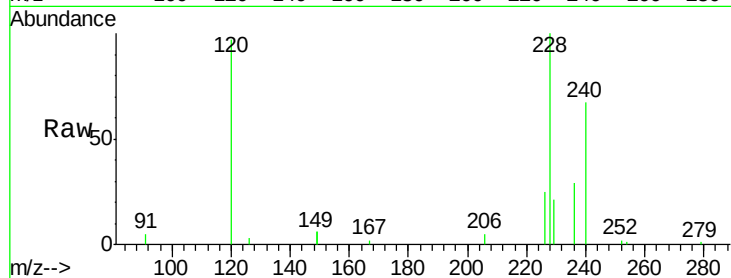
Tgt Ion:228 Resp: 24731

Ion Ratio Lower Upper

228 100

226 25.1 22.1 33.1

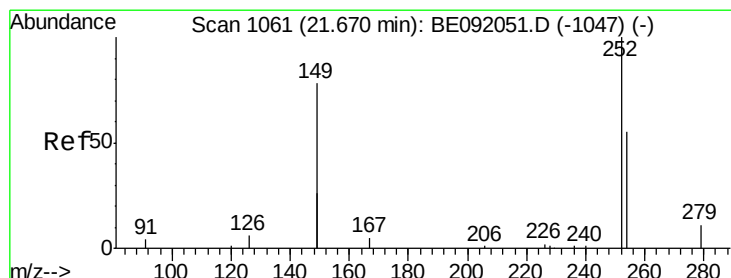
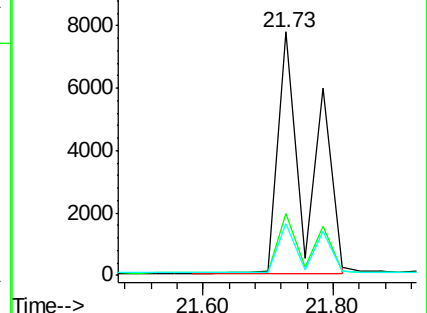
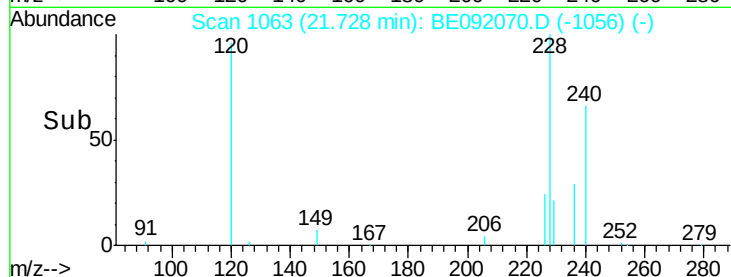
229 21.4 15.1 22.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.73 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

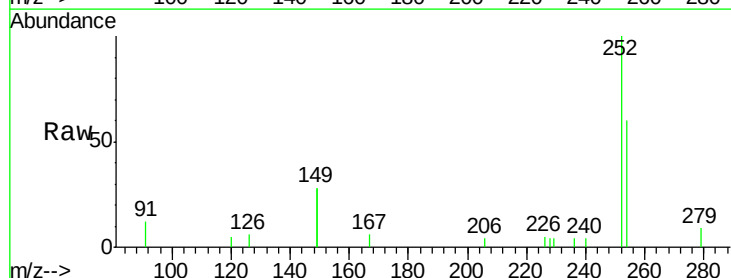
Tgt Ion:252 Resp: 4352

Ion Ratio Lower Upper

252 100

254 60.5 44.2 66.2

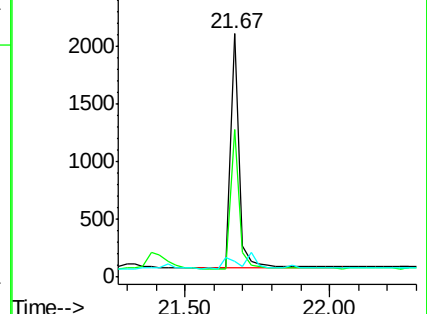
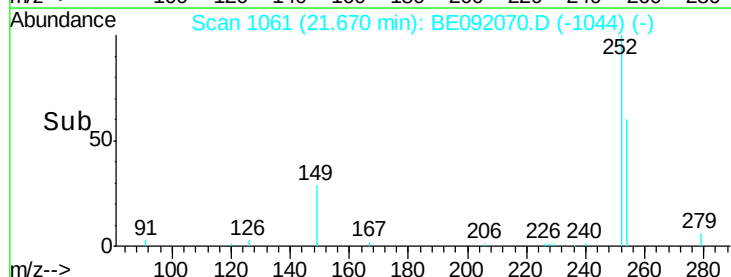
126 6.4 10.6 15.8#

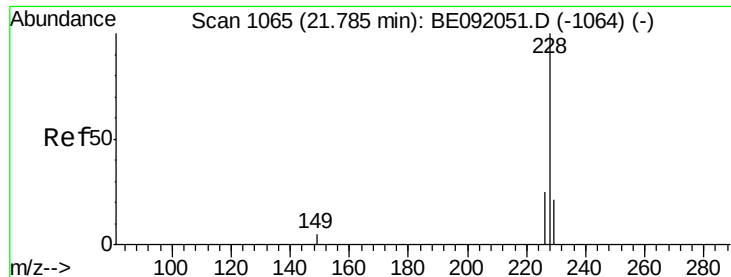


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 1.05 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

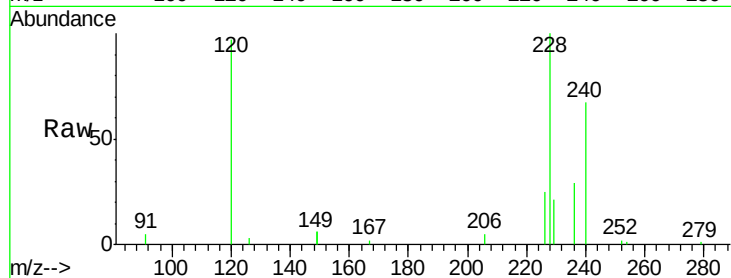
Tgt Ion:228 Resp: 24880

Ion Ratio Lower Upper

228 100

226 25.1 22.3 33.5

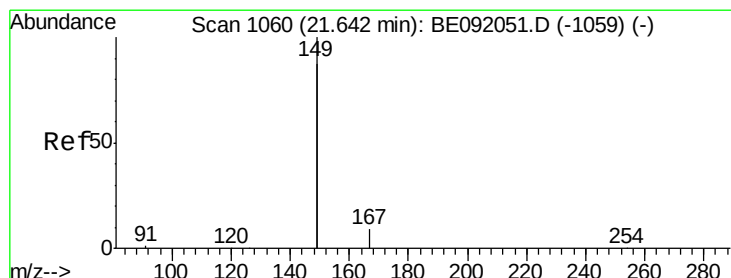
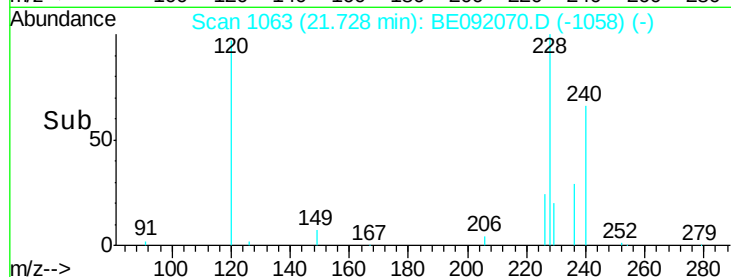
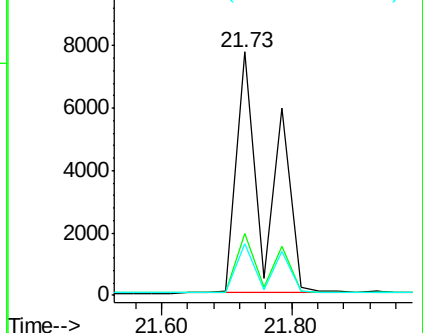
229 21.4 16.9 25.3



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: 0.76 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

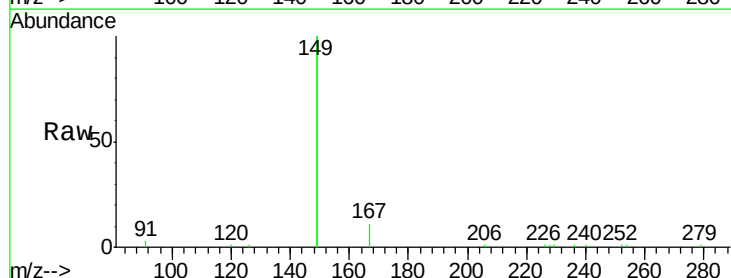
Tgt Ion:149 Resp: 45671

Ion Ratio Lower Upper

149 100

167 5.5 3.8 5.6

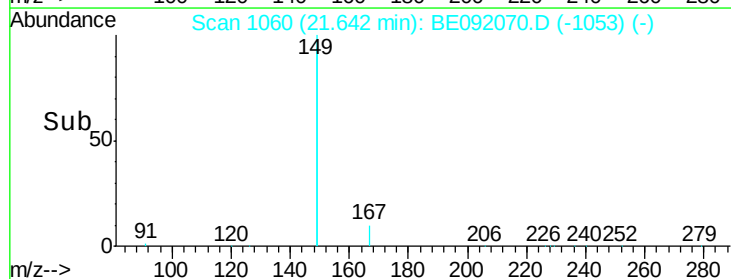
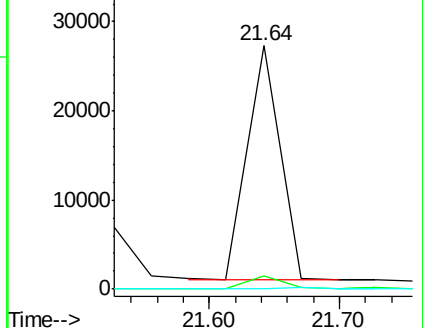
279 0.0 0.0 0.0

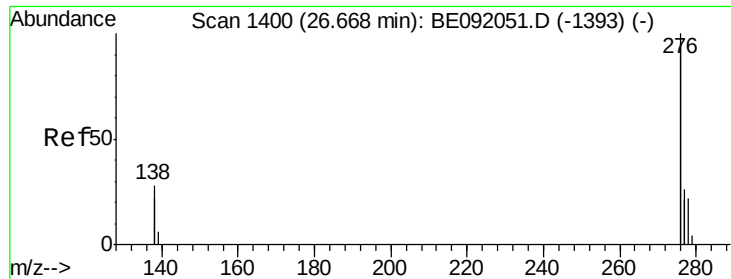


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

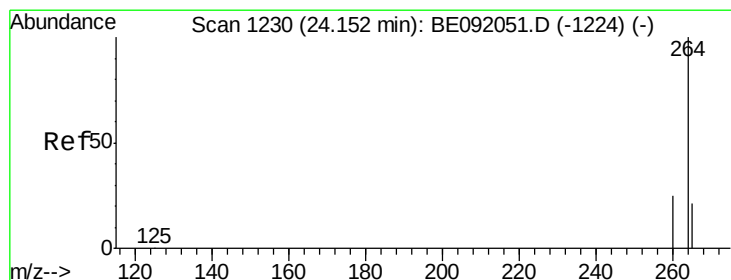
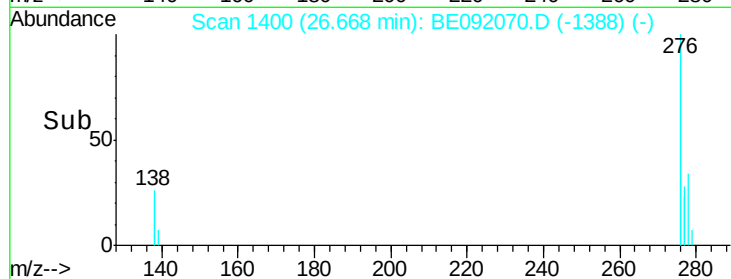
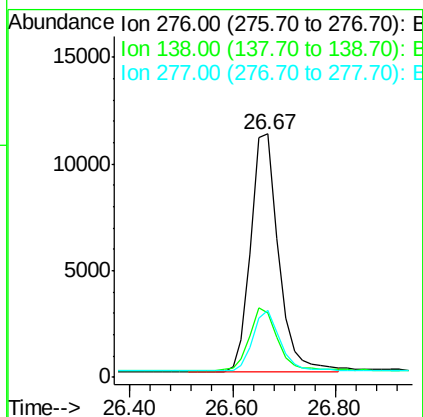
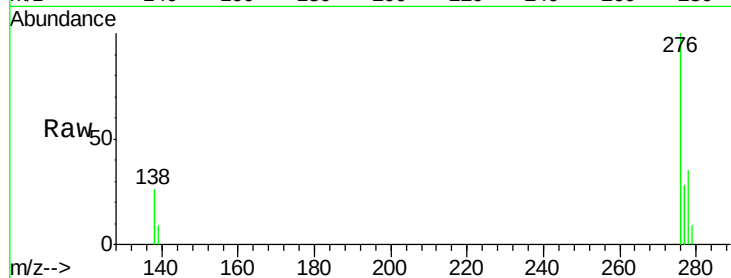




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.52 ng
 RT: 26.67 min Scan# 1400
 Delta R.T. 0.00 min
 Lab File: BE092070.D
 Acq: 28 Jul 2016 6:59

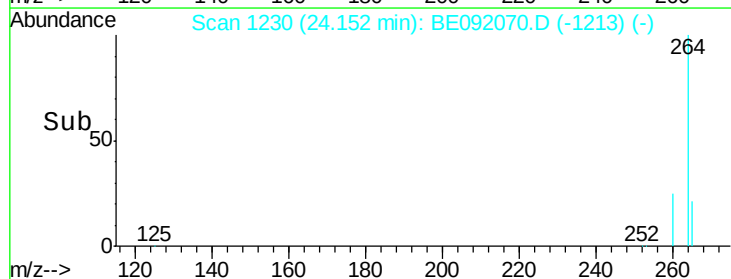
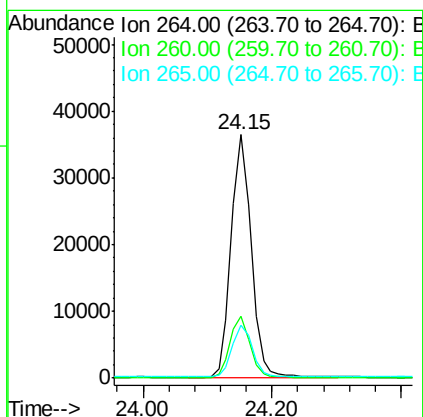
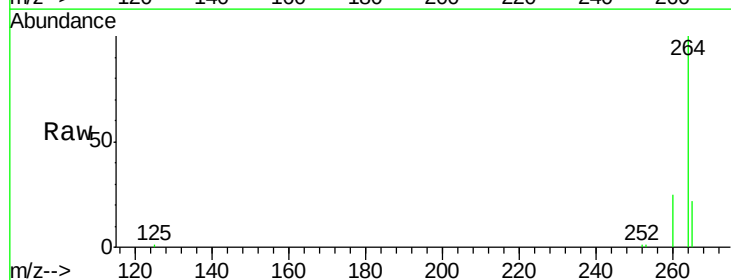
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

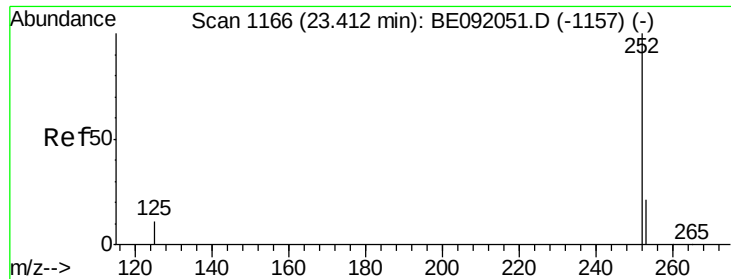
Tgt Ion: 276 Resp: 41448
 Ion Ratio Lower Upper
 276 100
 138 26.9 21.2 31.8
 277 25.0 19.8 29.8



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.15 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: BE092070.D
 Acq: 28 Jul 2016 6:59

Tgt Ion: 264 Resp: 78576
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.8 31.2
 265 21.8 16.6 25.0

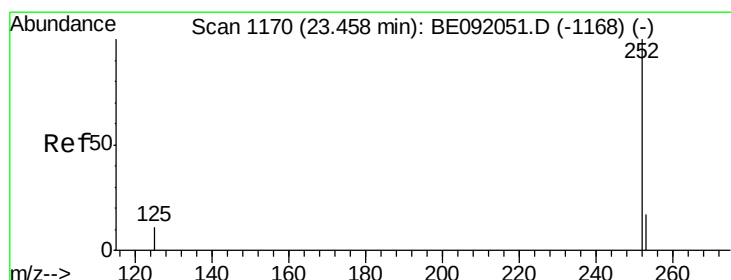
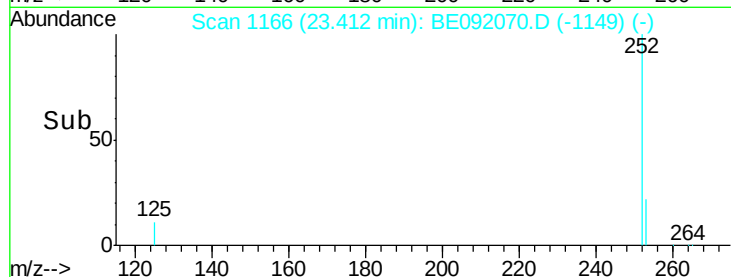
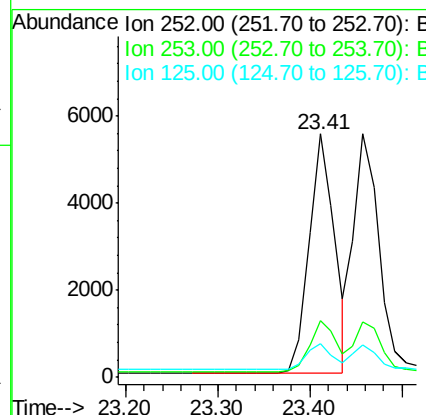
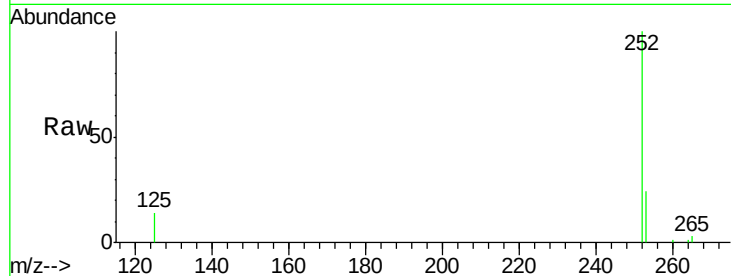




#41
Benzo(b)fluoranthene
Concen: 0.46 ng
RT: 23.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BE092070.D
Acq: 28 Jul 2016 6:59

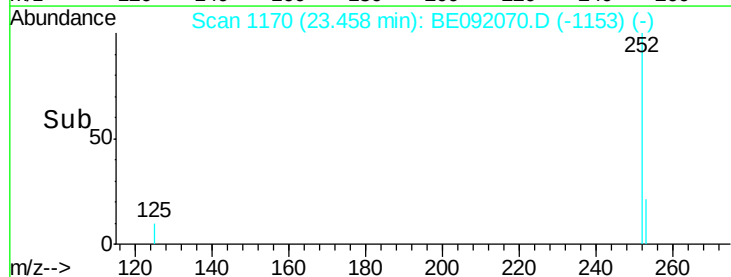
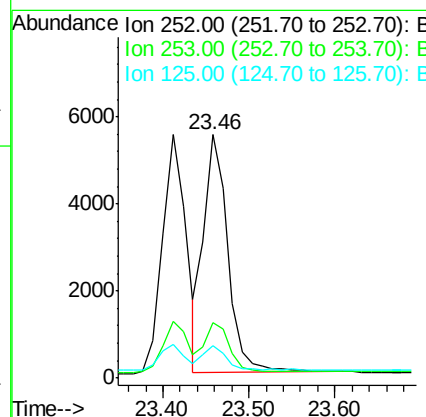
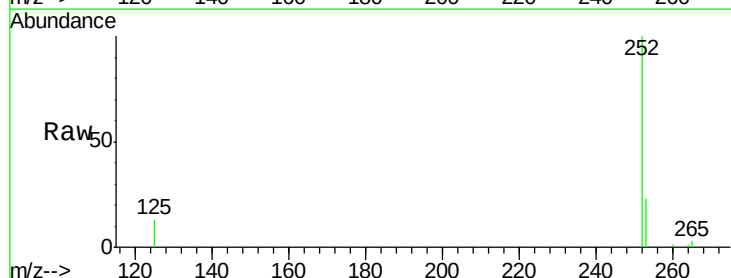
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

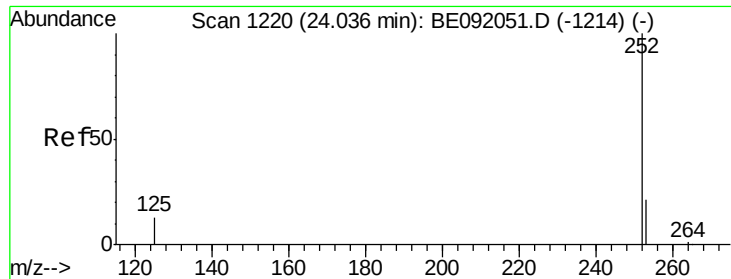
Tgt Ion: 252 Resp: 10535
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 13.8 10.2 15.2



#42
Benzo(k)fluoranthene
Concen: 0.46 ng
RT: 23.46 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BE092070.D
Acq: 28 Jul 2016 6:59

Tgt Ion: 252 Resp: 10683
Ion Ratio Lower Upper
252 100
253 22.8 19.4 29.0
125 13.1 8.9 13.3





#43

Benzo(a)pyrene

Concen: 0.47 ng

RT: 24.04 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

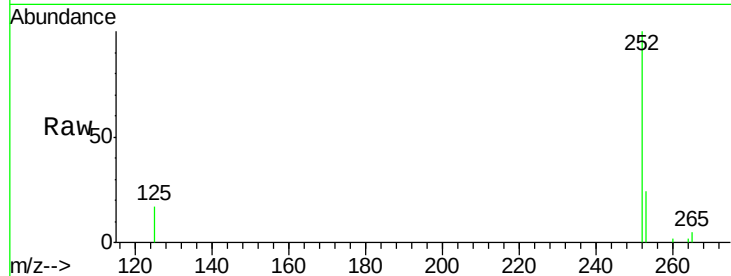
Tgt Ion:252 Resp: 9431

Ion Ratio Lower Upper

252 100

253 24.1 19.8 29.8

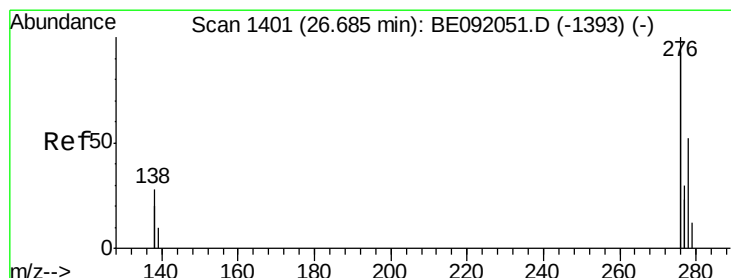
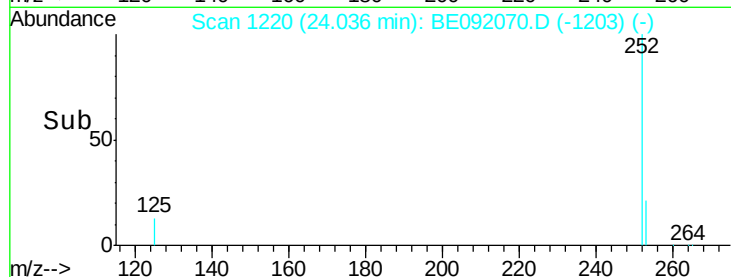
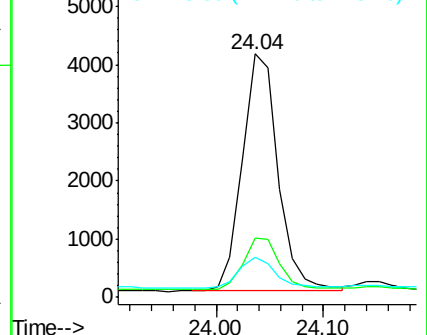
125 16.5 10.4 15.6#



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: 0.49 ng

RT: 26.69 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BE092070.D

Acq: 28 Jul 2016 6:59

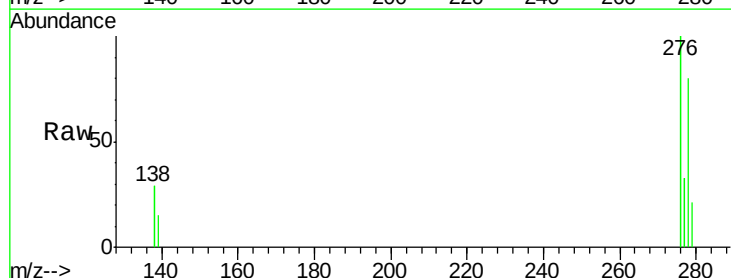
Tgt Ion:278 Resp: 8469

Ion Ratio Lower Upper

278 100

139 18.1 16.7 25.1

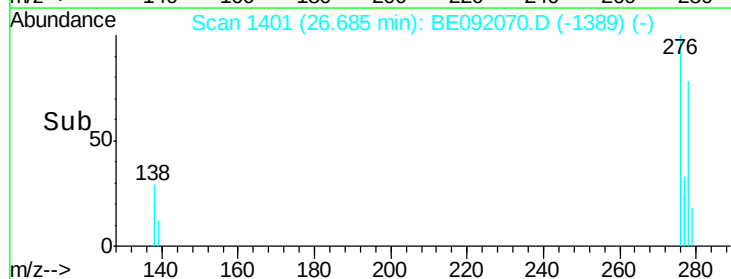
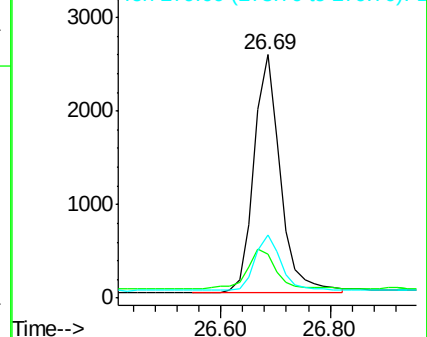
279 25.9 20.3 30.5

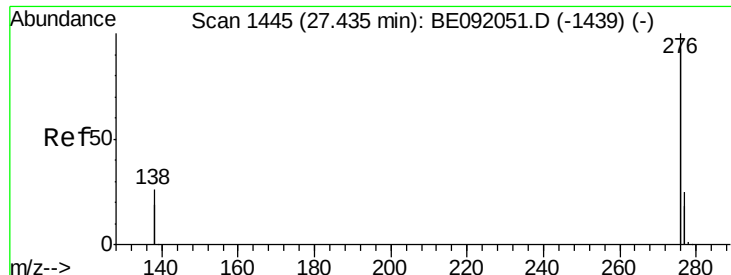


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.48 ng

RT: 27.43 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BE092070.D

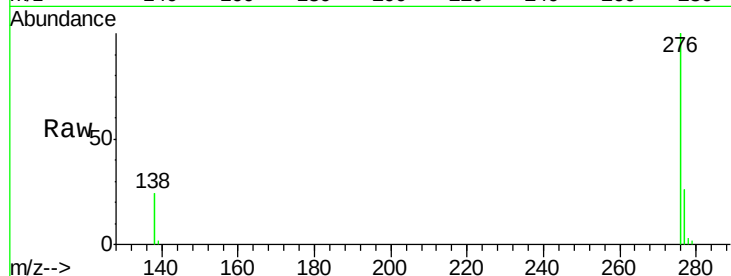
Acq: 28 Jul 2016 6:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion: 276 Resp: 34778

Ion Ratio Lower Upper

276 100

277 26.2 19.5 29.3

138 23.8 20.8 31.2

