

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092542.D
 Acq On : 16 Nov 2016 20:20
 Operator : UM/SJ
 Sample : H5636-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CPS073041

Quant Time: Nov 17 04:52:19 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 15:43:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7671	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	34846	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	23977	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	50508	5.00	ng	0.00
24) Chrysene-d12	21.72	240	78331	5.00	ng	0.00
31) Perylene-d12	24.08	264	69231	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	8307	6.41	ng	-0.02
5) Phenol-d6	7.33	99	6561	3.10	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12318	5.44	ng	-0.05
13) 2,4,6-Tribromophenol	16.29	330	7243	13.47	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	31723	5.43	ng	-0.01
26) Terphenyl-d14	20.16	244	55061	6.15	ng	-0.02

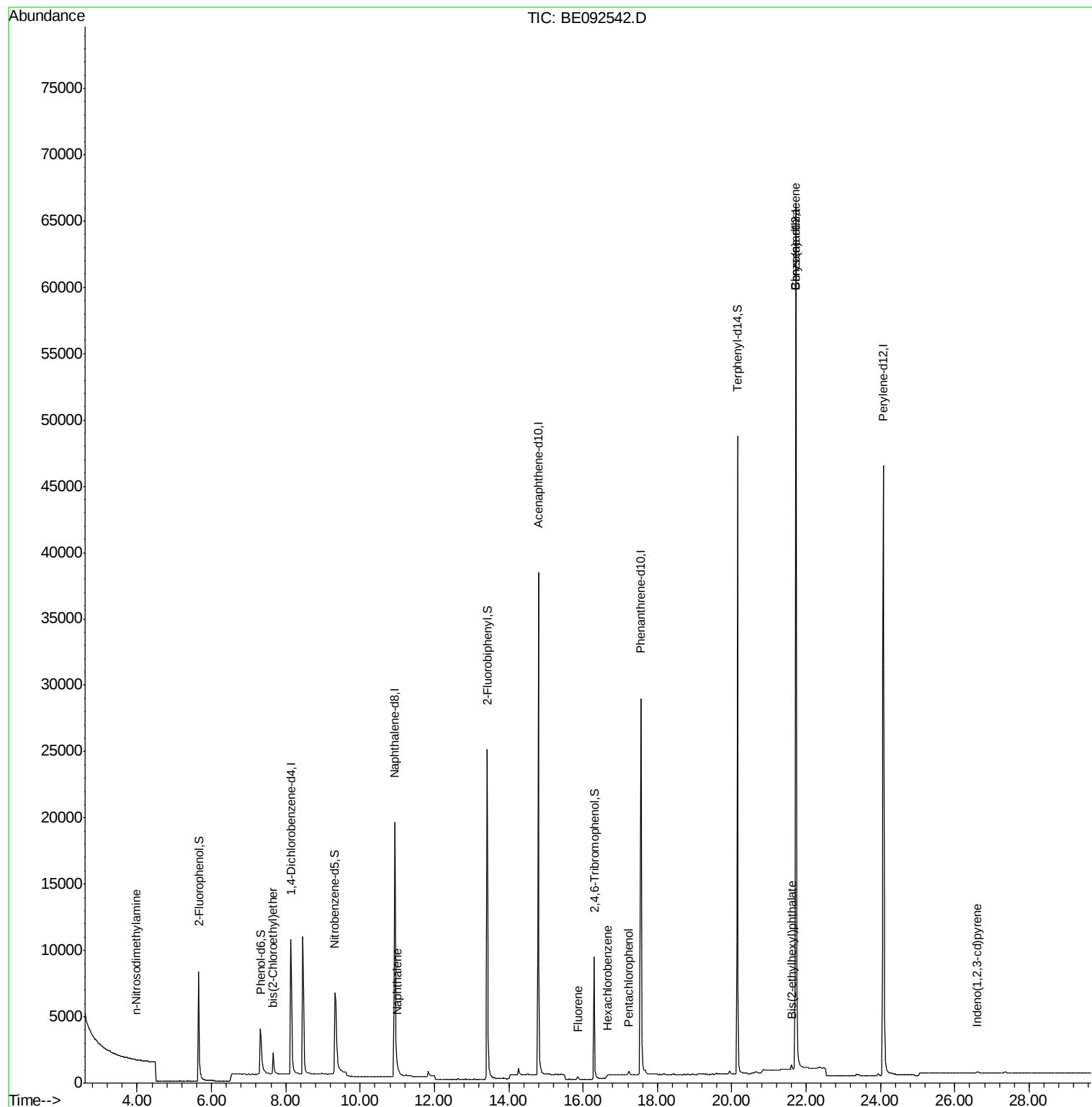
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.99	42	1	0.18	ng	# 15
6) bis(2-Chloroethyl)ether	7.66	93	25	0.05	ng	# 1
9) Naphthalene	10.99	128	171	0.02	ng	# 1
17) Fluorene	15.85	166	171	0.03	ng	# 88
19) Hexachlorobenzene	16.66	284	351	0.18	ng	# 1
20) Pentachlorophenol	17.23	266	398	1.08	ng	97
27) Benzo(a)anthracene	21.72	228	1087	0.11	ng	# 56
29) Bis(2-ethylhexyl)phthalate	21.61	149	545	0.23	ng	# 76
30) Indeno(1,2,3-cd)pyrene	26.60	276	368	0.05	ng	# 83

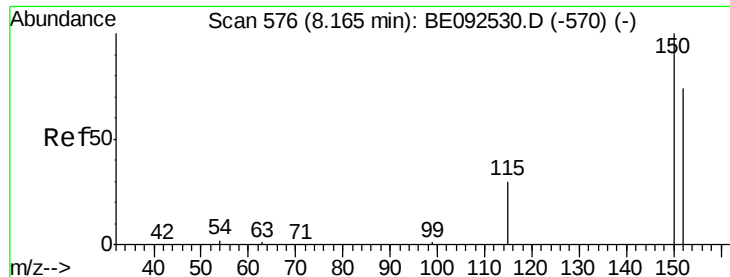
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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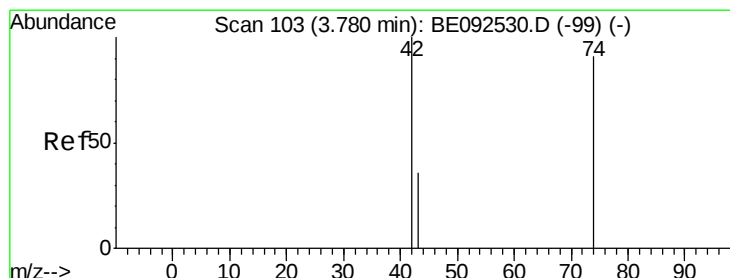
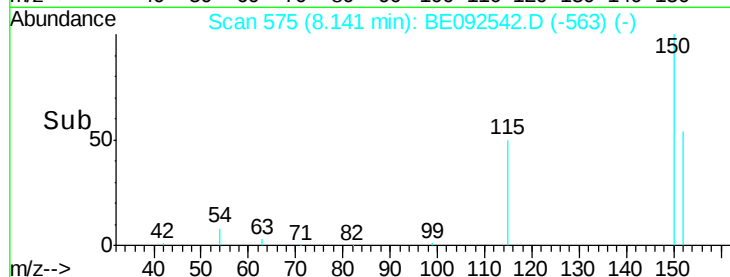
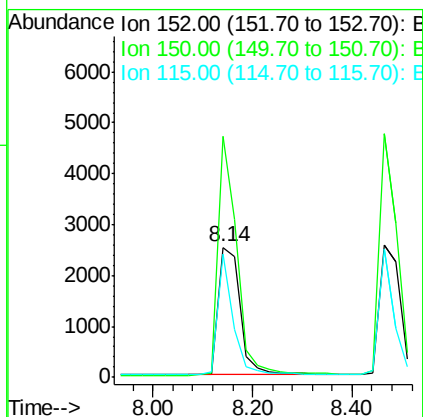
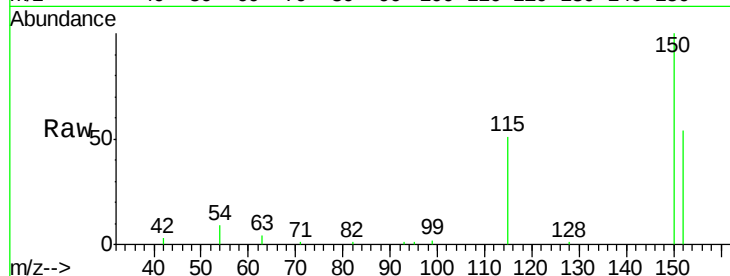


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092542.D
Acq: 16 Nov 2016 20:20

Instrument :
BNA_E
ClientSampleId :
CPS073041

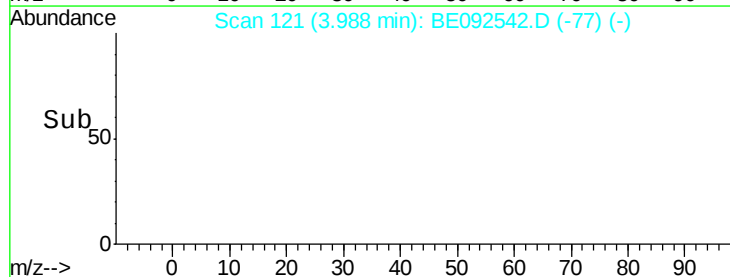
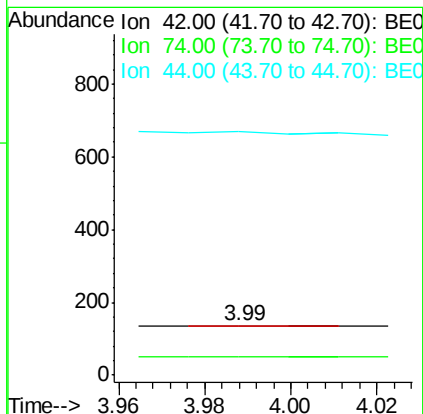
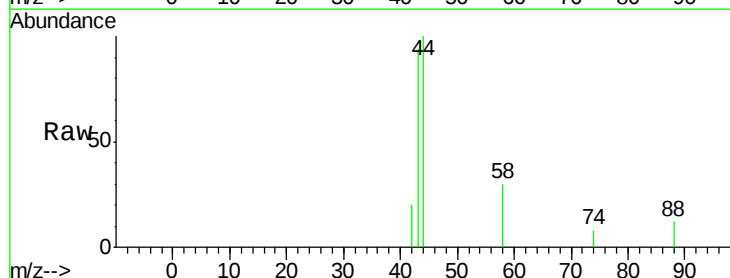
Tgt Ion: 152 Resp: 7671
Ion Ratio Lower Upper
152 100
150 185.1 106.0 159.0#
115 94.7 31.2 46.8#

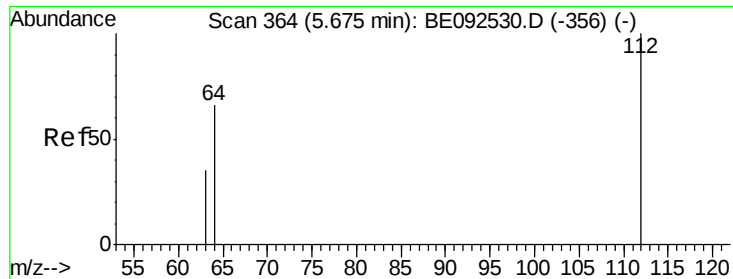


#3

n-Nitrosodimethylamine
Concen: 0.18 ng
RT: 3.99 min Scan# 121
Delta R.T. 0.21 min
Lab File: BE092542.D
Acq: 16 Nov 2016 20:20

Tgt Ion: 42 Resp: 1
Ion Ratio Lower Upper
42 100
74 200.0 86.0 129.0#
44 0.0 5.1 7.7#





#4

2-Fluorophenol

Concen: 6.41 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

Instrument :

BNA_E

ClientSampled :

CPS073041

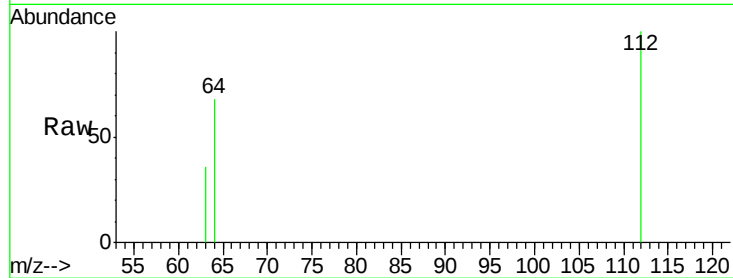
Tgt Ion: 112 Resp: 8307

Ion Ratio Lower Upper

112 100

64 67.9 53.5 80.3

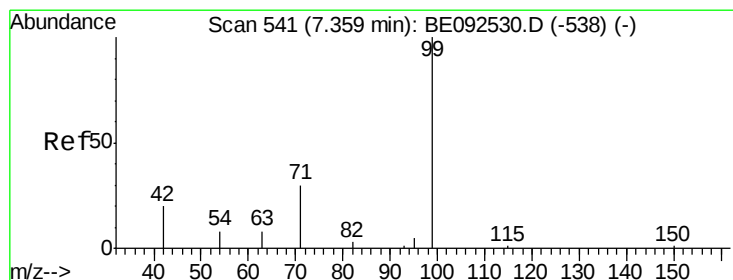
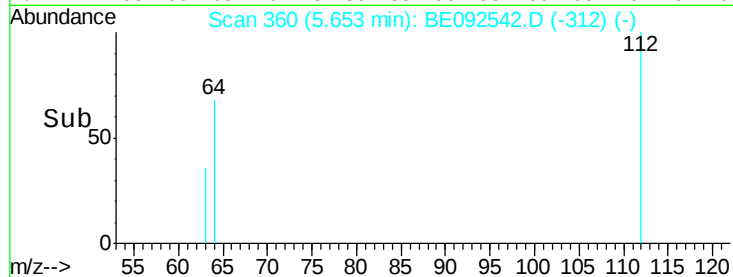
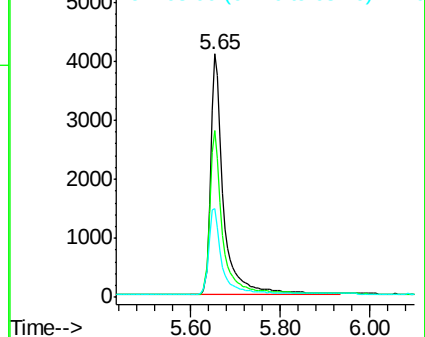
63 36.3 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 3.10 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

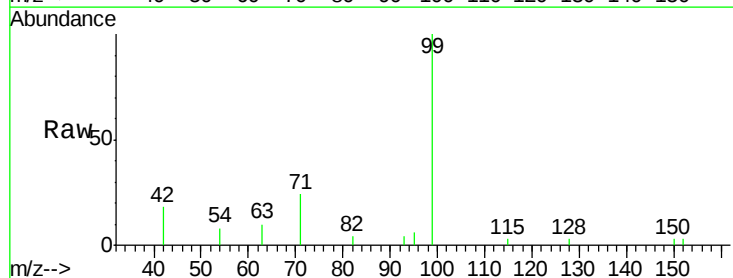
Tgt Ion: 99 Resp: 6561

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

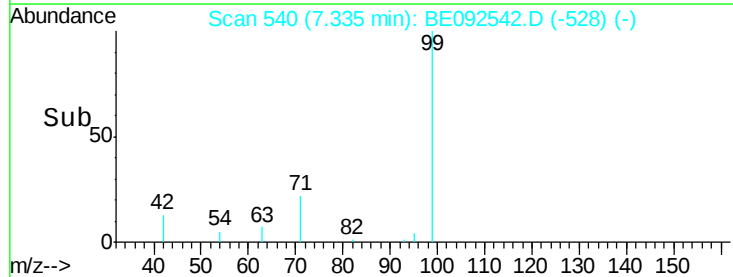
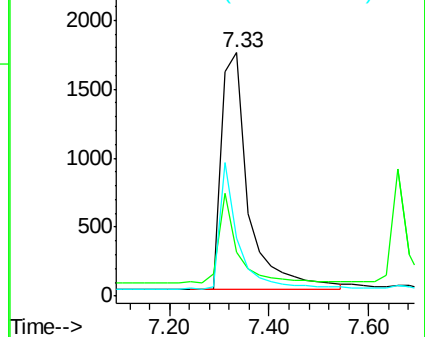
71 0.0 30.6 45.8#

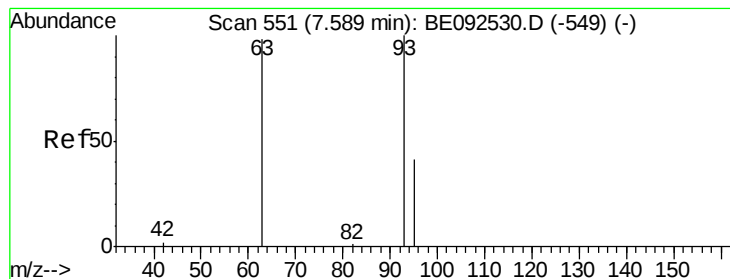


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 7.66 min Scan# 554

Delta R.T. 0.07 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

Instrument :

BNA_E

ClientSampleId :

CPS073041

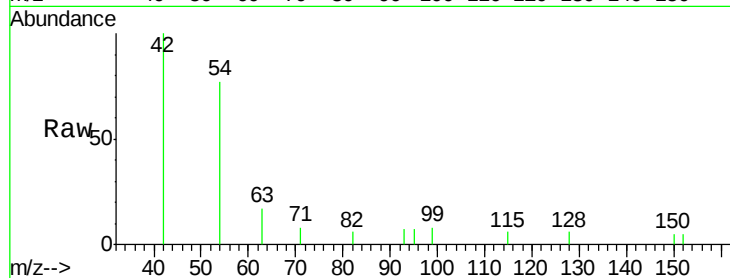
Tgt Ion: 93 Resp: 25

Ion Ratio Lower Upper

93 100

63 872.0 71.6 107.4#

95 0.0 24.0 36.0#

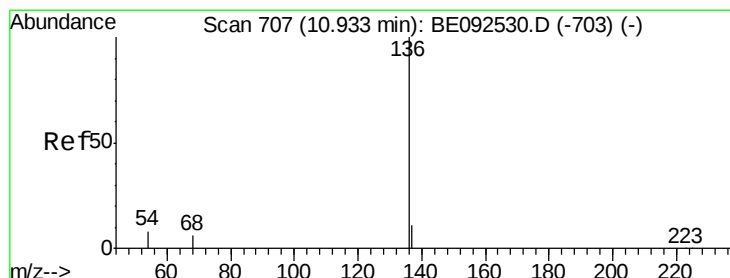
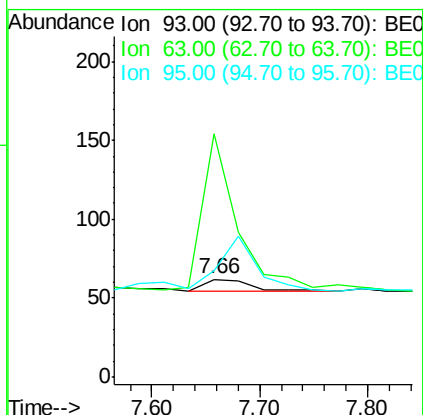
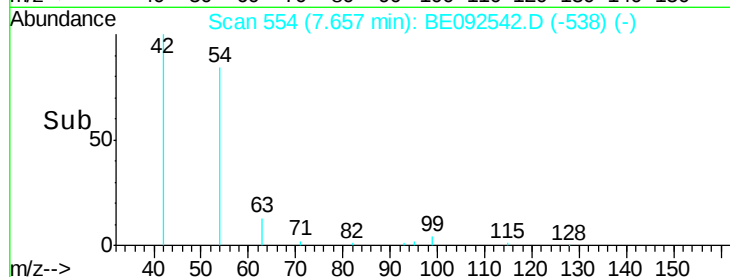


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

7.66



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

Tgt Ion: 136 Resp: 34846

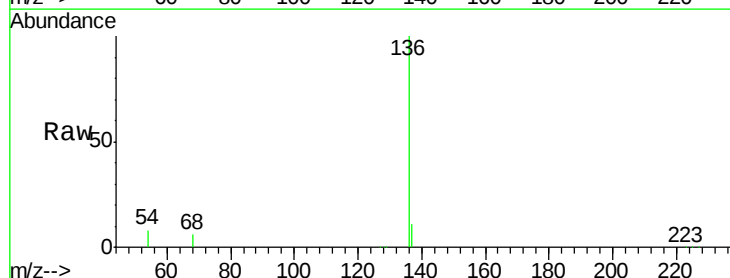
Ion Ratio Lower Upper

136 100

137 11.1 8.2 12.4

54 8.5 9.6 14.4#

68 6.1 6.7 10.1#



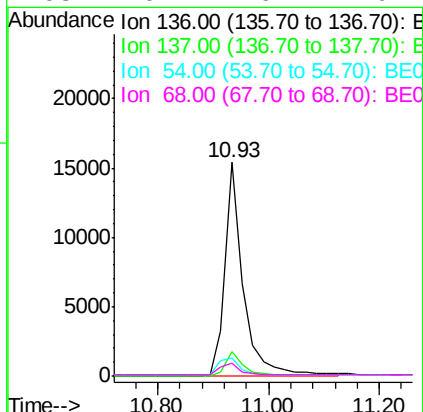
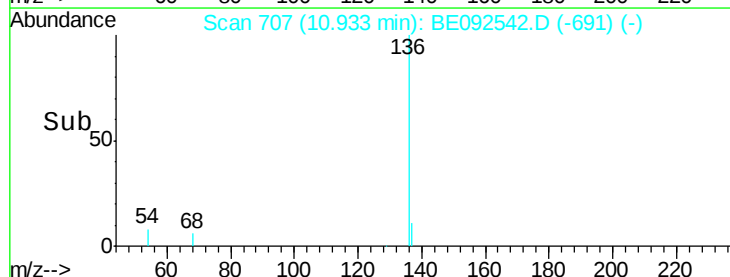
Abundance Ion 136.00 (135.70 to 136.70): E

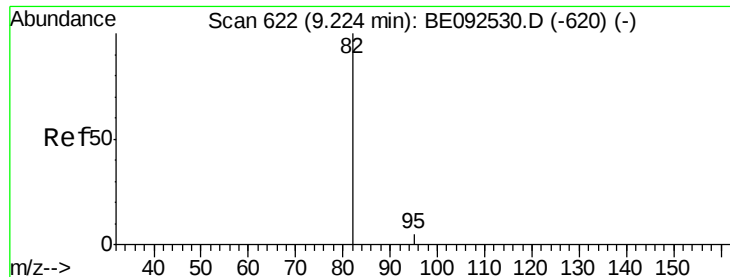
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

10.93





#8

Nitrobenzene-d5

Concen: 5.44 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

Instrument :

BNA_E

ClientSampleId :

CPS073041

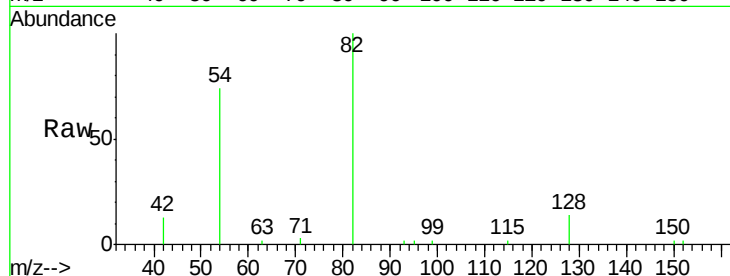
Tgt Ion: 82 Resp: 12318

Ion Ratio Lower Upper

82 100

128 14.5 39.0 58.4#

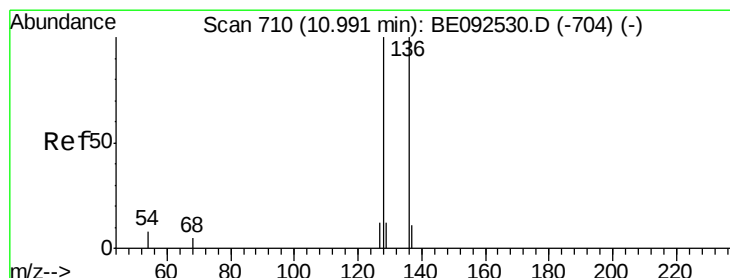
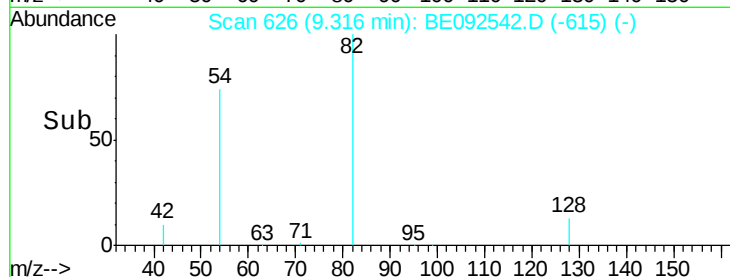
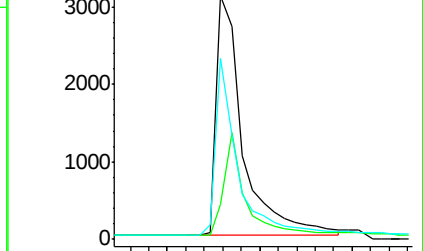
54 74.4 44.8 67.2#



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



#9

Naphthalene

Concen: 0.02 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.00 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

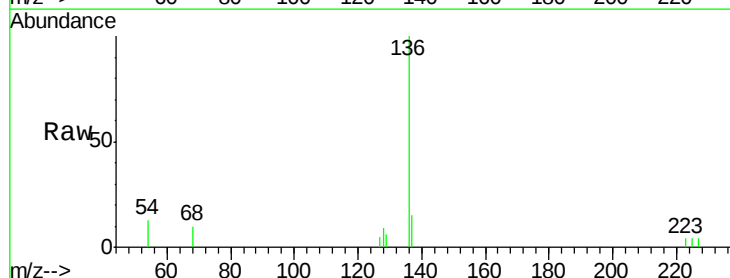
Tgt Ion: 128 Resp: 171

Ion Ratio Lower Upper

128 100

129 64.9 11.2 16.8#

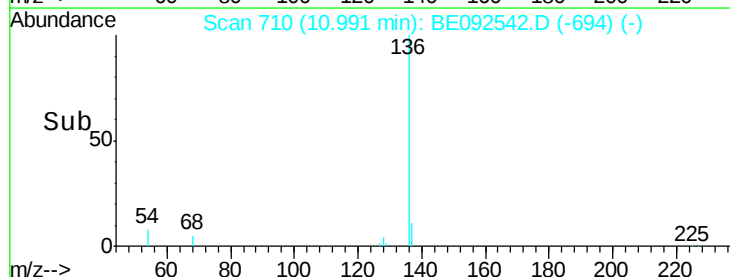
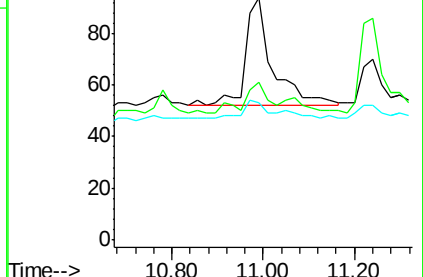
127 56.4 11.6 17.4#

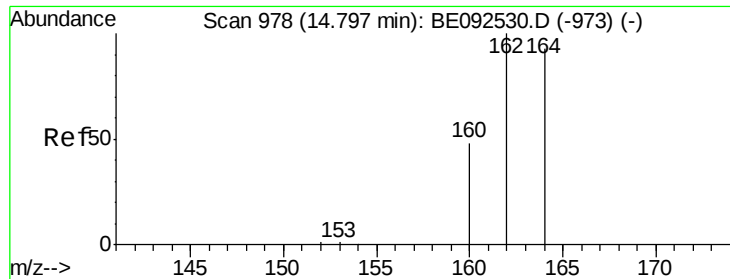


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

Instrument :

BNA_E

ClientSampleId :

CPS073041

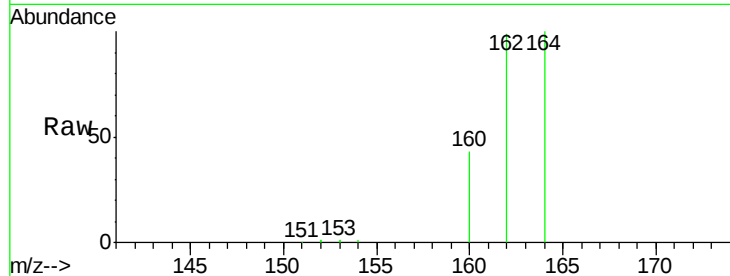
Tgt Ion:164 Resp: 23977

Ion Ratio Lower Upper

164 100

162 99.0 71.4 107.0

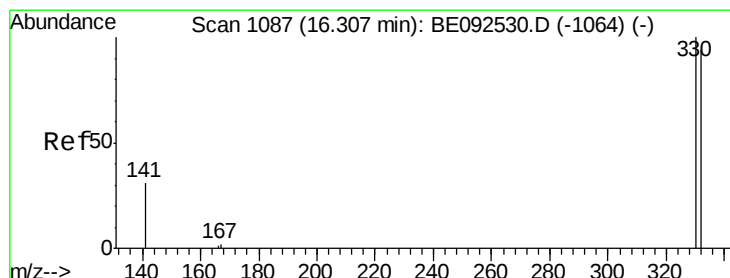
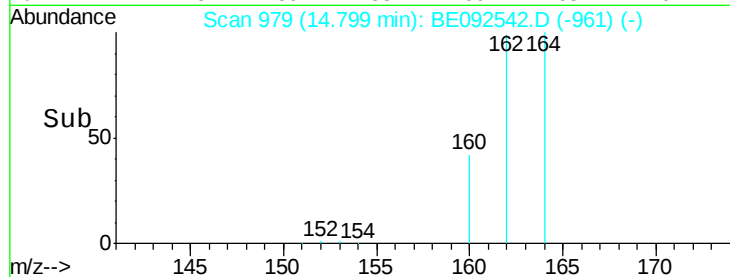
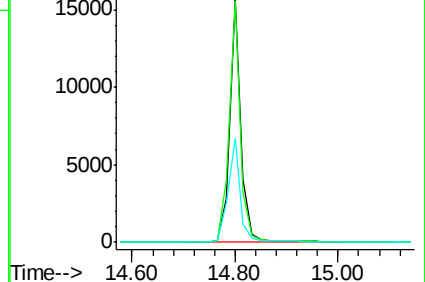
160 42.8 27.4 41.2#



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



#13

2,4,6-Tribromophenol

Concen: 13.47 ng

RT: 16.29 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

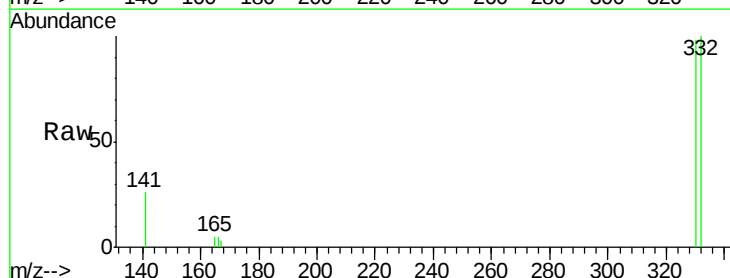
Tgt Ion:330 Resp: 7243

Ion Ratio Lower Upper

330 100

332 96.2 75.4 113.0

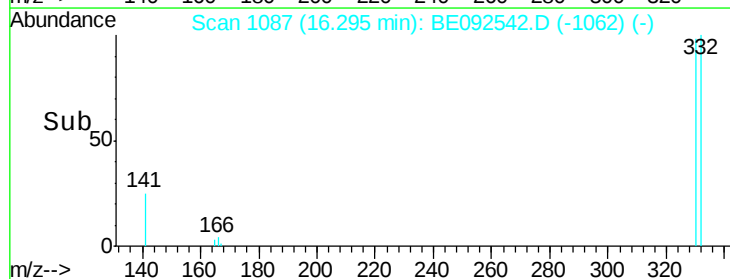
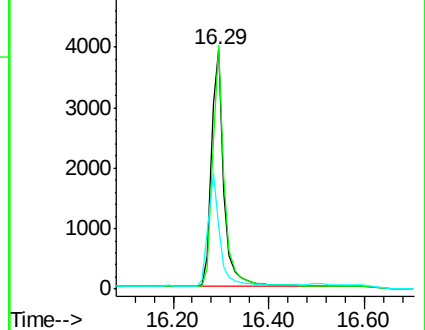
141 43.8 31.0 46.6

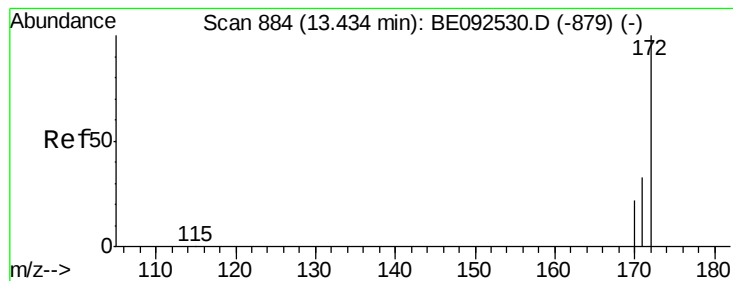


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 5.43 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

Instrument :

BNA_E

ClientSampleId :

CPS073041

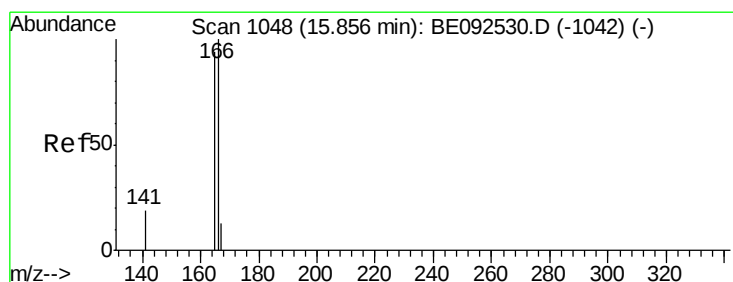
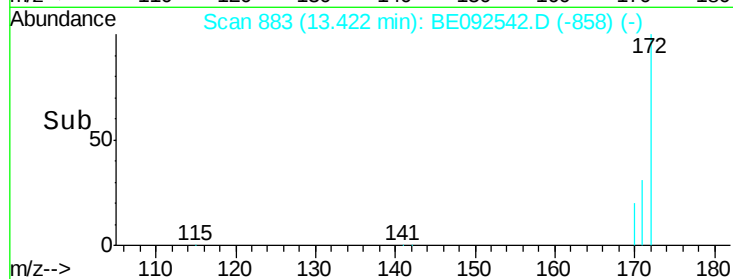
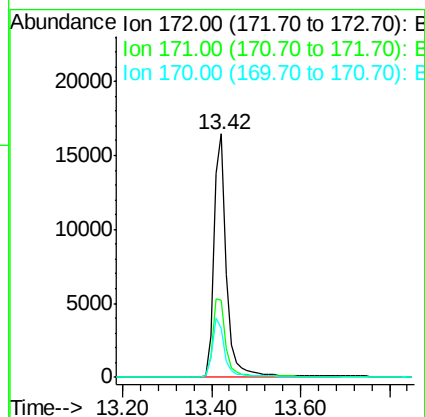
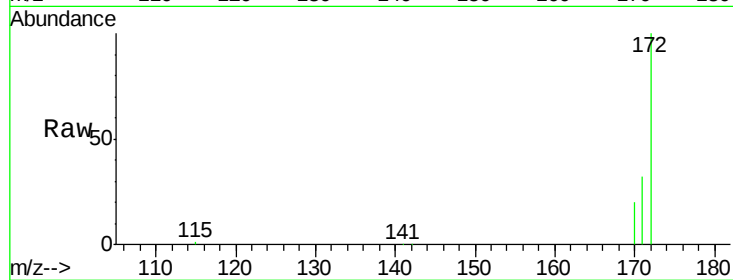
Tgt Ion:172 Resp: 31723

Ion Ratio Lower Upper

172 100

171 31.7 30.1 45.1

170 19.9 21.8 32.6#



#17

Fluorene

Concen: 0.03 ng

RT: 15.85 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

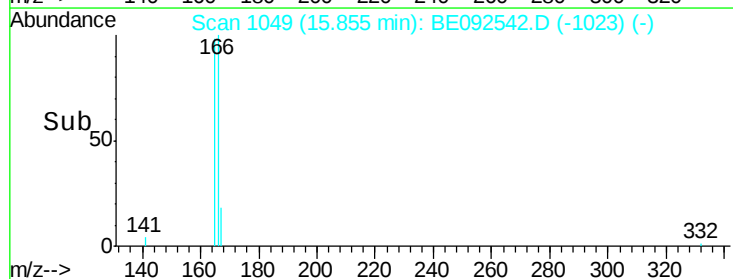
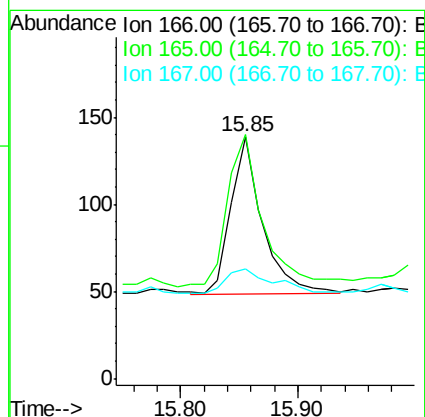
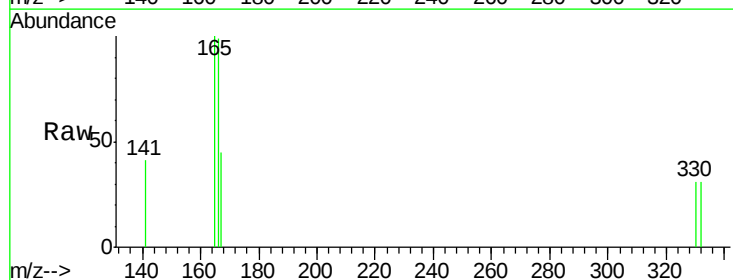
Tgt Ion:166 Resp: 171

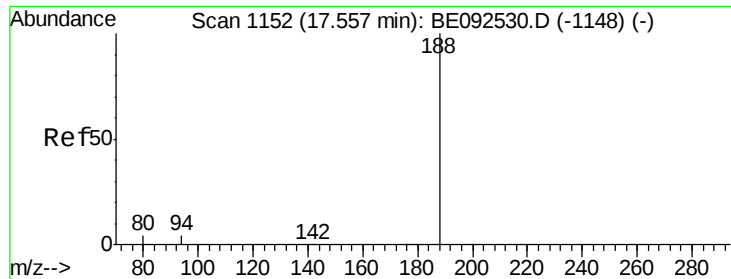
Ion Ratio Lower Upper

166 100

165 108.2 78.2 117.4

167 23.4 11.0 16.4#

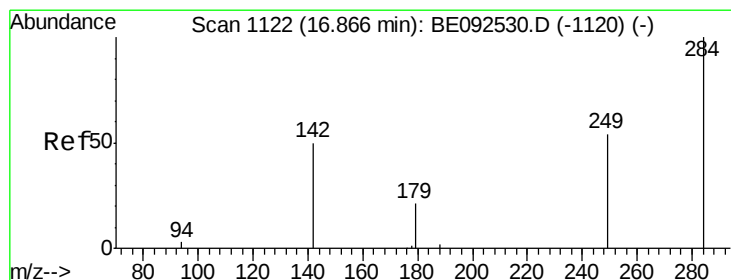
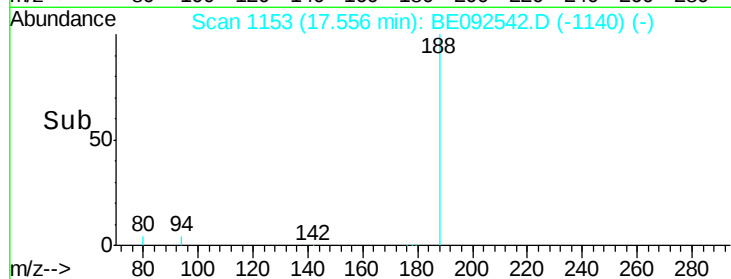
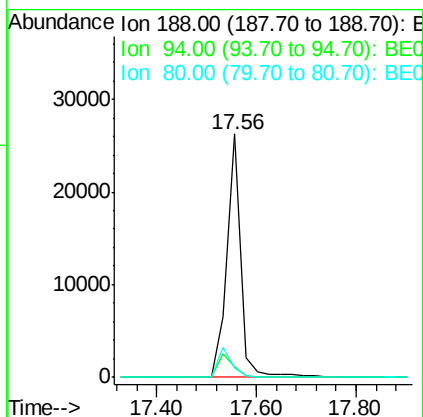
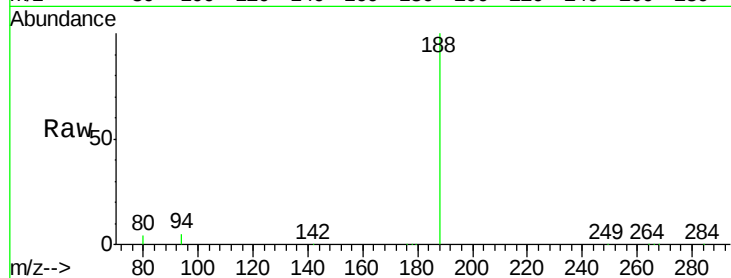




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092542.D
Acq: 16 Nov 2016 20:20

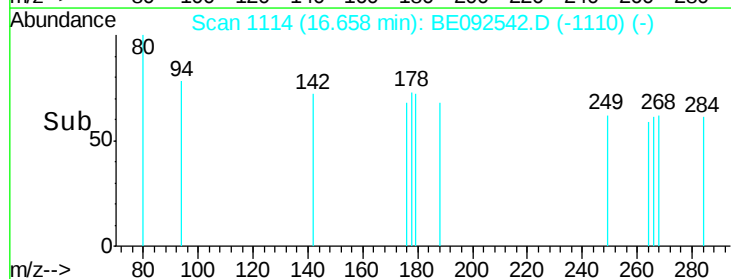
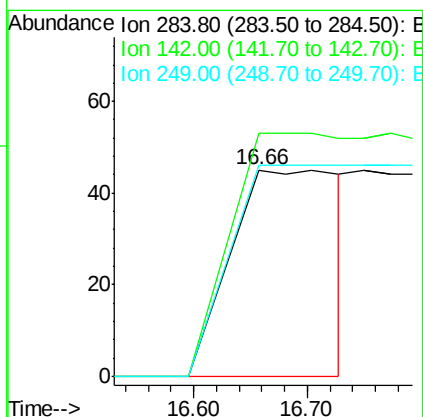
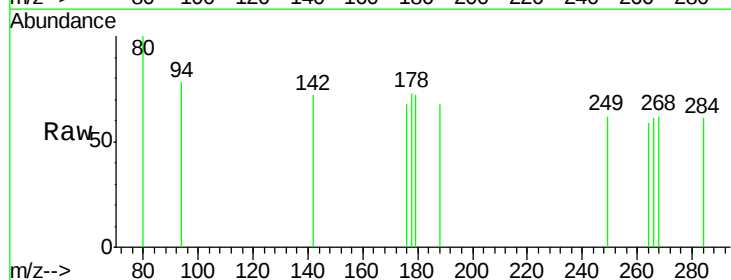
Instrument :
BNA_E
ClientSampleId :
CPS073041

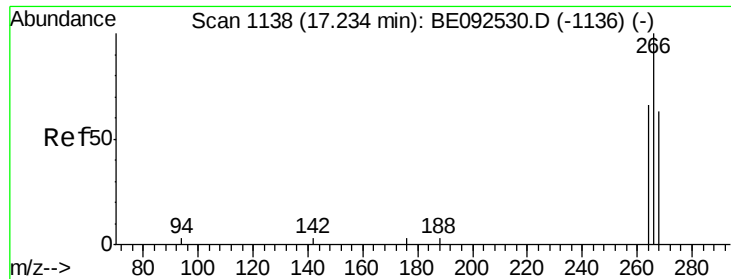
Tgt Ion:188 Resp: 50508
Ion Ratio Lower Upper
188 100
94 4.5 3.2 4.8
80 3.9 2.6 3.8#



#19
Hexachlorobenzene
Concen: 0.18 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092542.D
Acq: 16 Nov 2016 20:20

Tgt Ion:284 Resp: 351
Ion Ratio Lower Upper
284 100
142 118.5 29.1 43.7#
249 78.9 27.9 41.9#

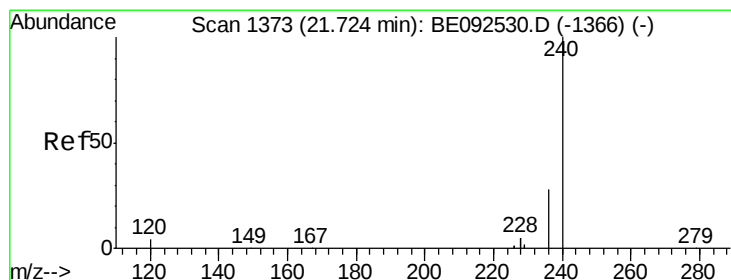
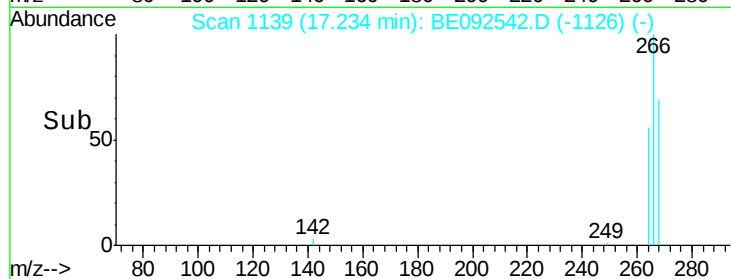
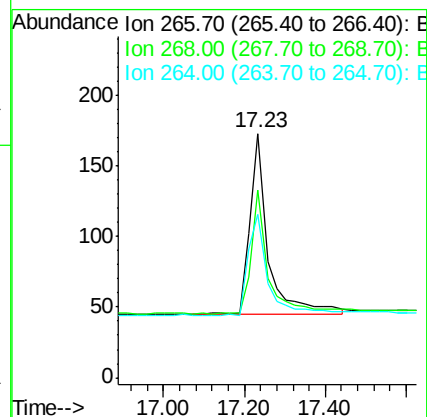
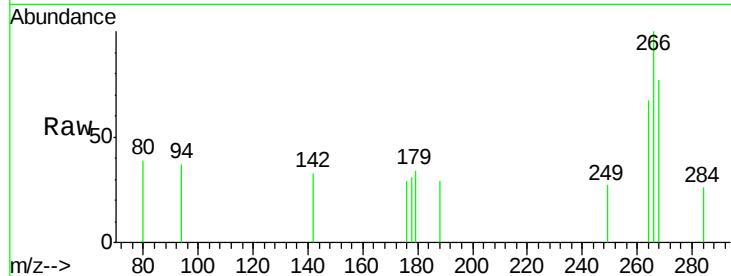




#20
 Pentachlorophenol
 Concen: 1.08 ng
 RT: 17.23 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: BE092542.D
 Acq: 16 Nov 2016 20:20

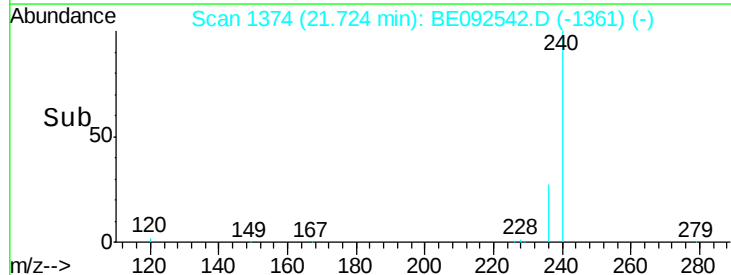
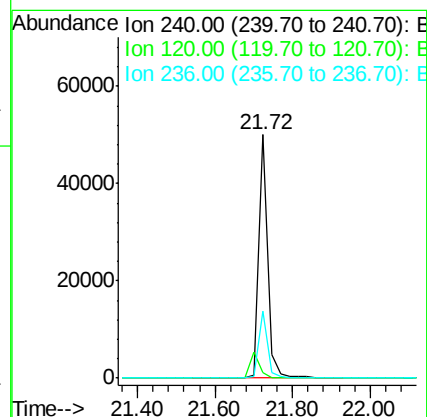
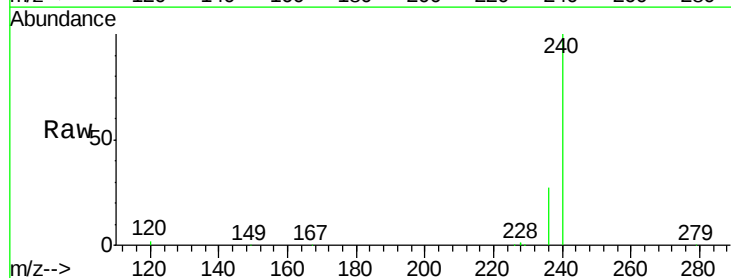
Instrument :
 BNA_E
 ClientSampleId :
 CPS073041

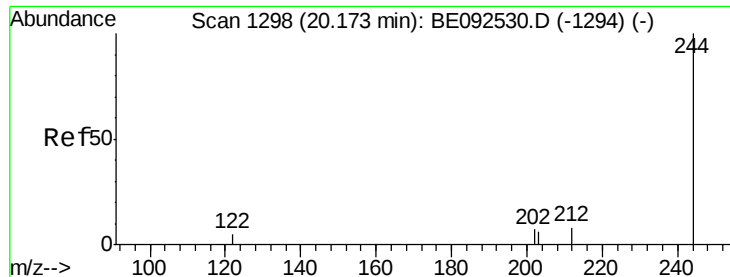
Tgt Ion: 266 Resp: 398
 Ion Ratio Lower Upper
 266 100
 268 76.9 62.5 93.7
 264 67.1 57.2 85.8



#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BE092542.D
 Acq: 16 Nov 2016 20:20

Tgt Ion: 240 Resp: 78331
 Ion Ratio Lower Upper
 240 100
 120 2.3 2.6 4.0#
 236 27.3 24.6 37.0





#26

Terphenyl-d14

Concen: 6.15 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

Instrument :

BNA_E

ClientSampleId :

CPS073041

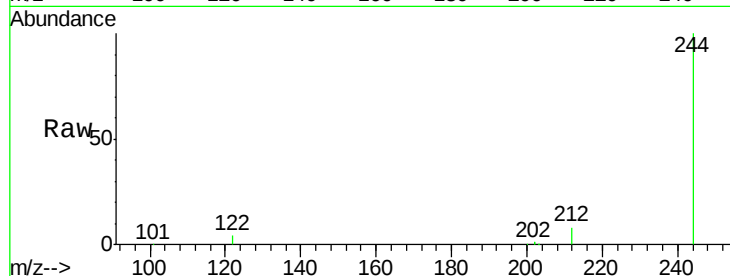
Tgt Ion:244 Resp: 55061

Ion Ratio Lower Upper

244 100

212 8.0 6.7 10.1

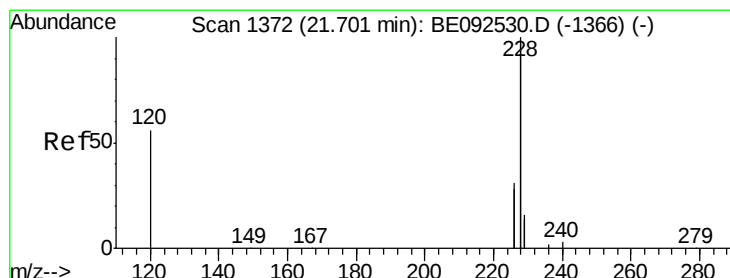
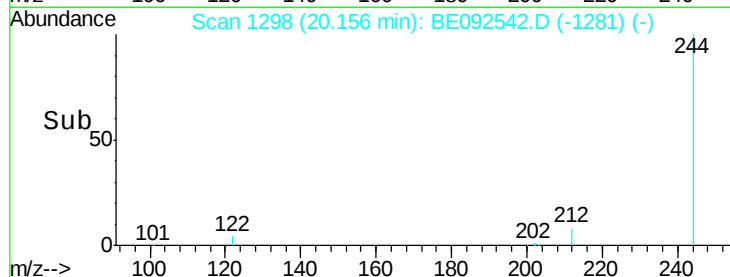
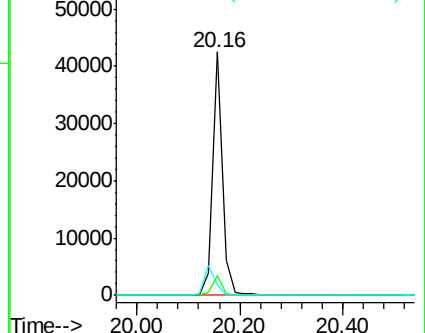
122 4.3 3.6 5.4



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



#27

Benzo(a)anthracene

Concen: 0.11 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

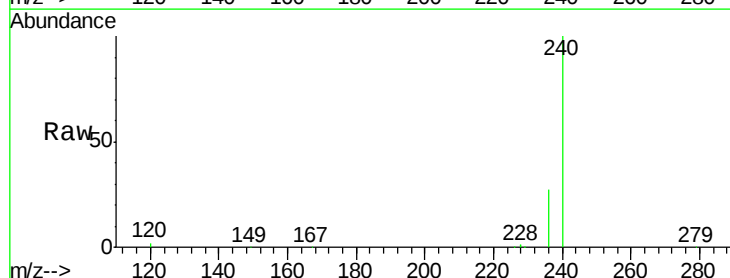
Tgt Ion:228 Resp: 1087

Ion Ratio Lower Upper

228 100

226 36.8 23.6 35.4#

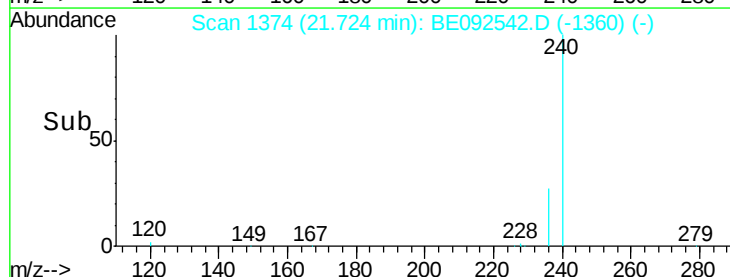
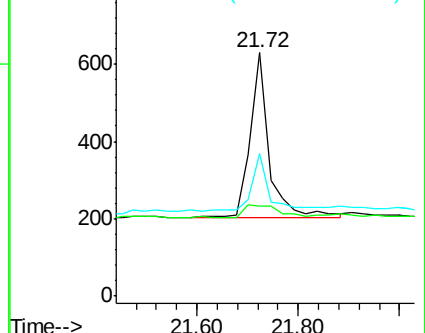
229 58.4 13.3 19.9#

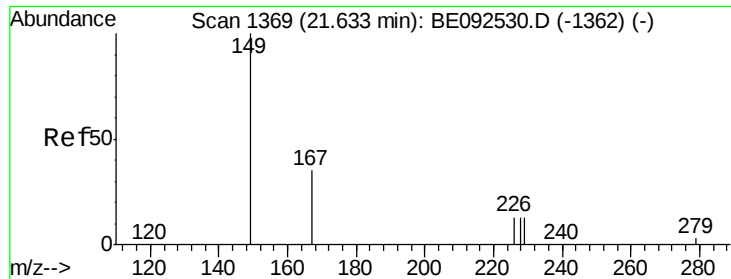


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

Instrument :

BNA_E

ClientSampleId :

CPS073041

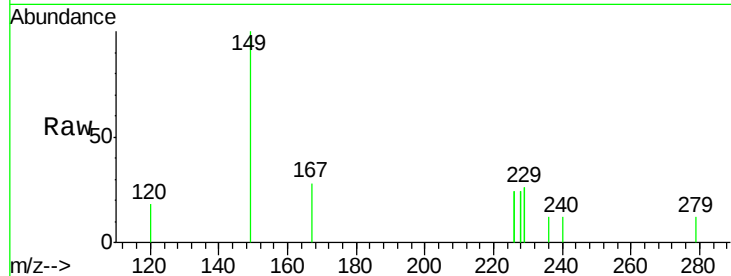
Tgt Ion:149 Resp: 545

Ion Ratio Lower Upper

149 100

167 22.4 16.0 24.0

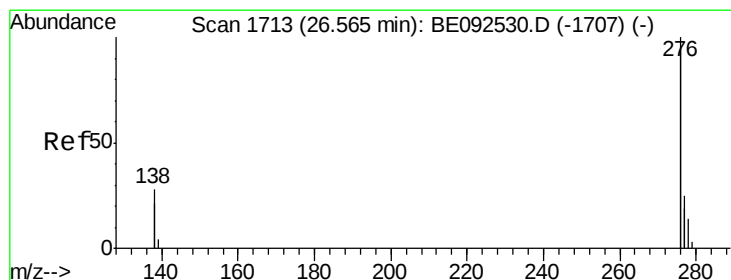
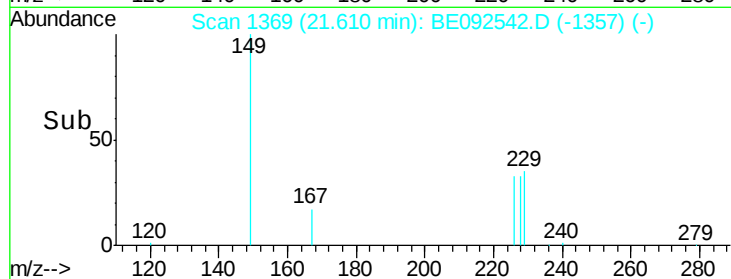
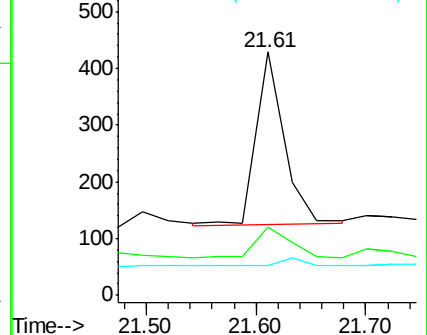
279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.60 min Scan# 1716

Delta R.T. 0.03 min

Lab File: BE092542.D

Acq: 16 Nov 2016 20:20

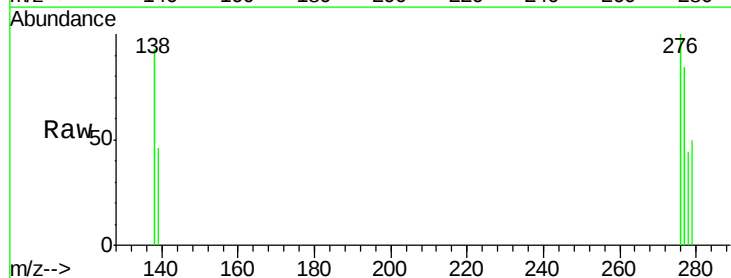
Tgt Ion:276 Resp: 368

Ion Ratio Lower Upper

276 100

138 27.2 20.3 30.5

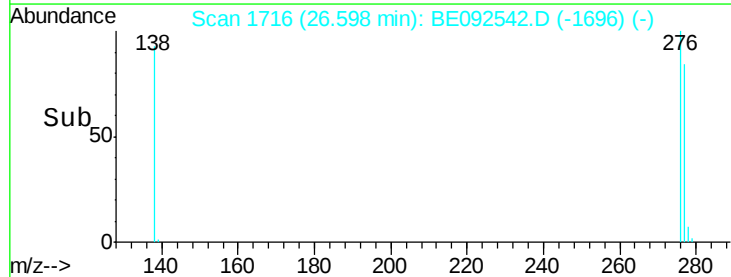
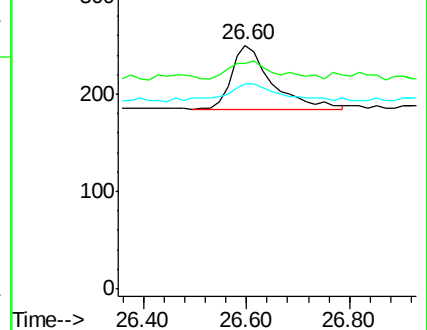
277 40.5 19.7 29.5#

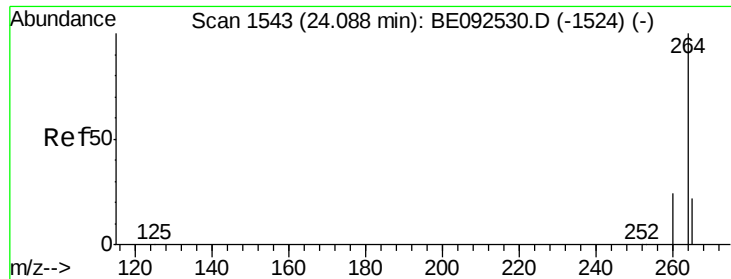


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092542.D

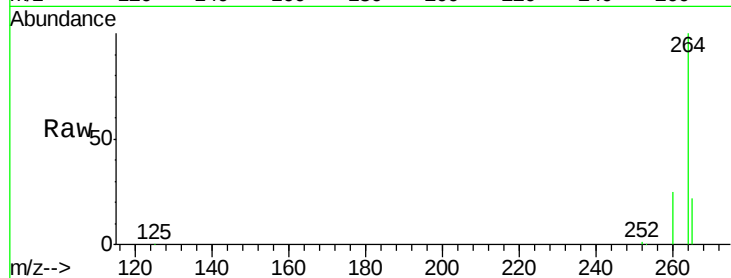
Acq: 16 Nov 2016 20:20

Instrument :

BNA_E

ClientSampleId :

CPS073041



Tgt Ion: 264 Resp: 69231

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

265 21.6 17.9 26.9

