

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111816\
 Data File : BE092567.D
 Acq On : 18 Nov 2016 15:42
 Operator : UM/SJ
 Sample : PB94794BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB94794BL

Quant Time: Nov 18 23:23:10 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

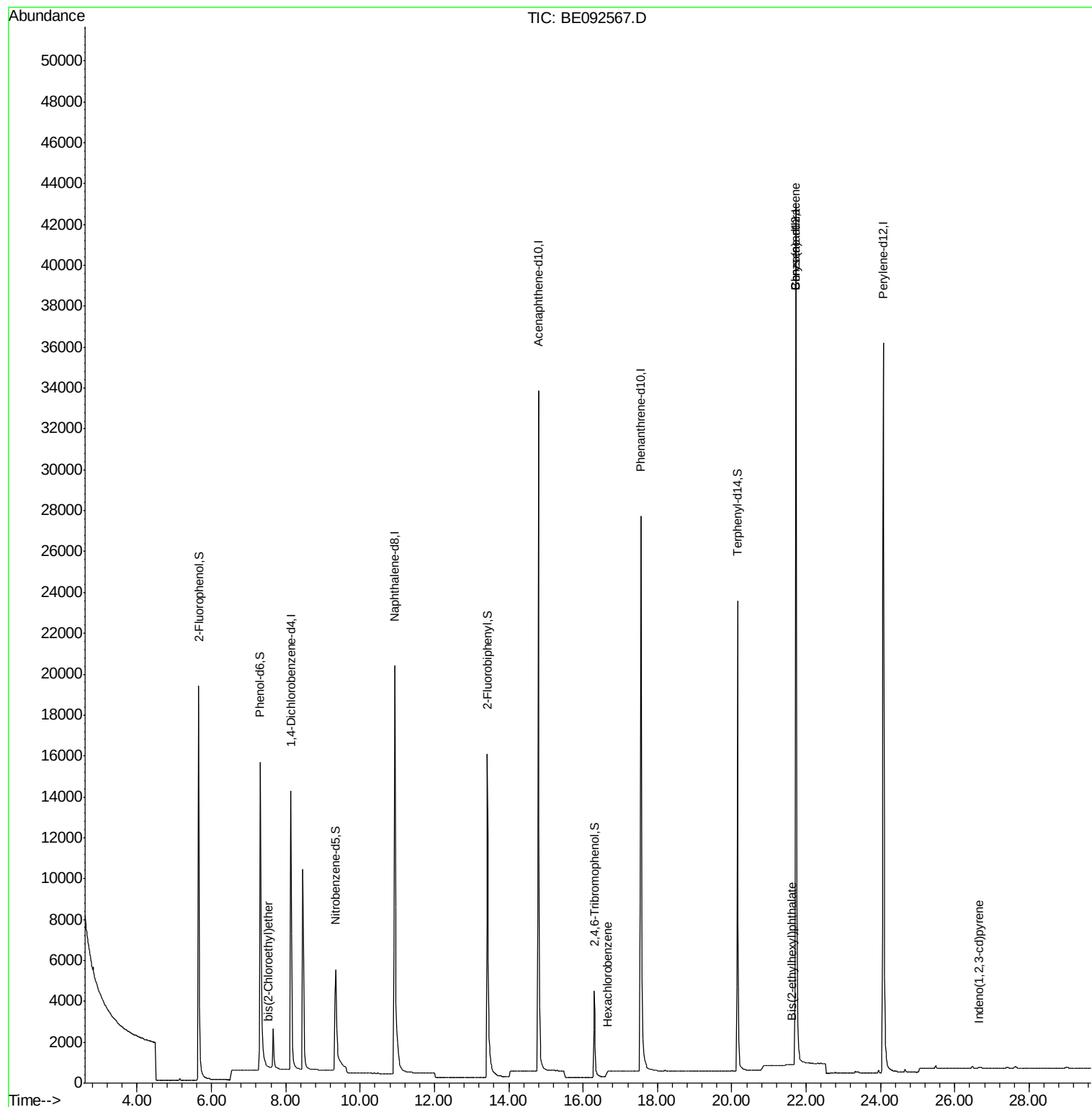
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9311	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	39634	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	24334	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	50143	5.00	ng	0.00
24) Chrysene-d12	21.72	240	56120	5.00	ng	0.00
31) Perylene-d12	24.08	264	56431	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	17515	11.14	ng	-0.02
5) Phenol-d6	7.31	99	22623	8.61	ng	-0.05
8) Nitrobenzene-d5	9.34	82	9992	3.90	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	4044	7.41	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	24368	4.11	ng	-0.01
26) Terphenyl-d14	20.16	244	31094	4.85	ng	-0.02
Target Compounds						
6) bis(2-Chloroethyl)ether	7.52	93	4	0.04	ng	# 15
19) Hexachlorobenzene	16.66	284	115	0.06	ng	# 1
27) Benzo(a)anthracene	21.72	228	674	0.11	ng	# 51
29) Bis(2-ethylhexyl)phthalate	21.61	149	126	0.15	ng	# 69
30) Indeno(1,2,3-cd)pyrene	26.65	276	178	0.05	ng	# 92

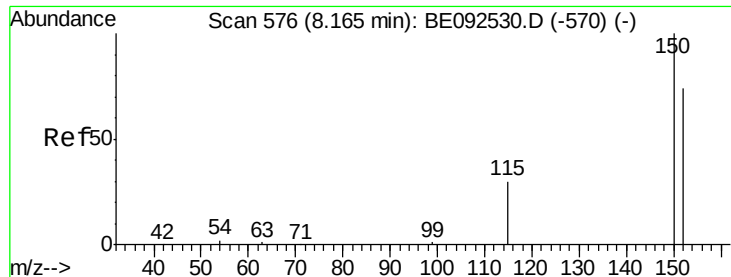
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092567.D

Acq: 18 Nov 2016 15:42

Instrument :

BNA_E

ClientSampleId :

PB94794BL

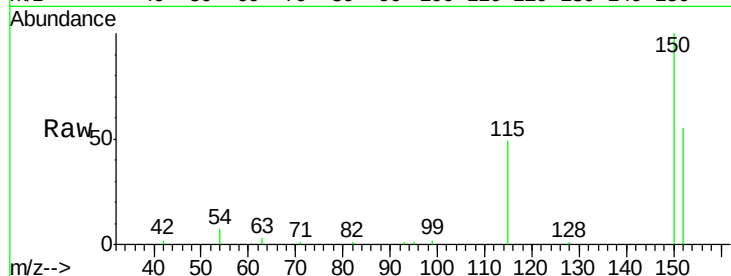
Tgt Ion:152 Resp: 9311

Ion Ratio Lower Upper

152 100

150 182.2 106.0 159.0#

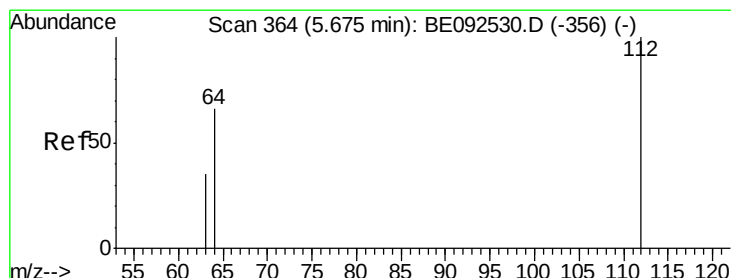
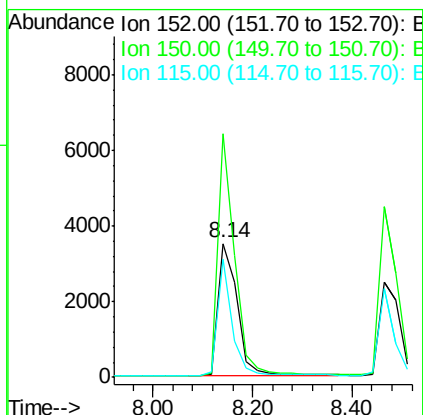
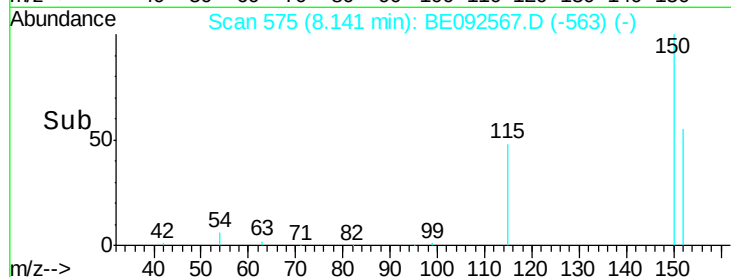
115 88.5 31.2 46.8#



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



#4

2-Fluorophenol

Concen: 11.14 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

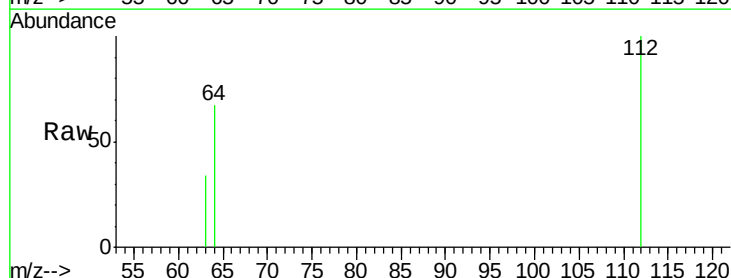
Tgt Ion:112 Resp: 17515

Ion Ratio Lower Upper

112 100

64 68.2 53.5 80.3

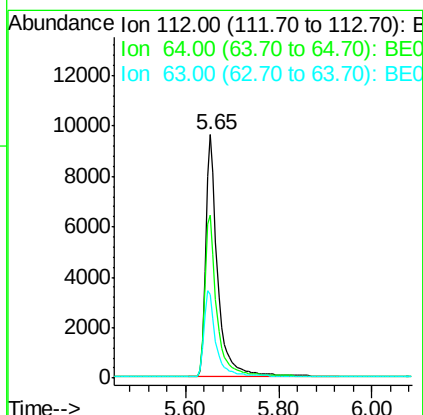
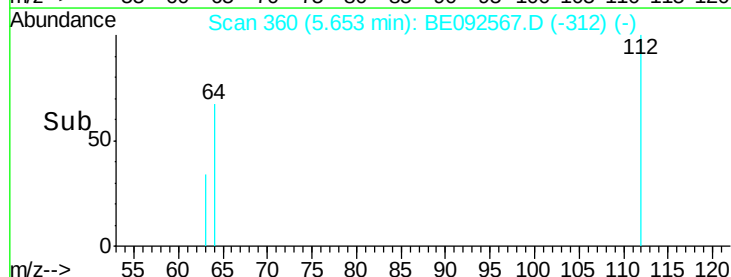
63 36.7 27.9 41.9

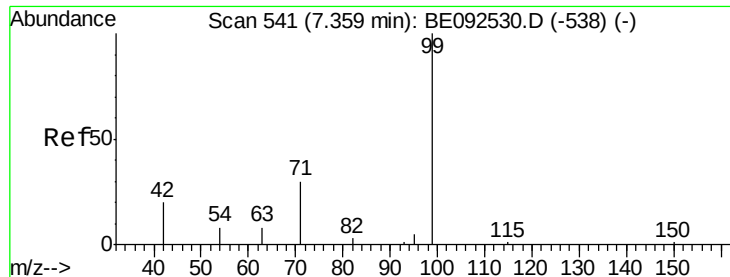


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.61 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.05 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

Instrument :

BNA_E

ClientSampled :

PB94794BL

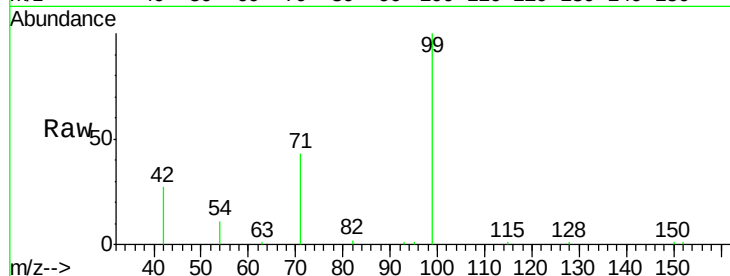
Tgt Ion: 99 Resp: 22623

Ion Ratio Lower Upper

99 100

42 24.1 16.0 24.0#

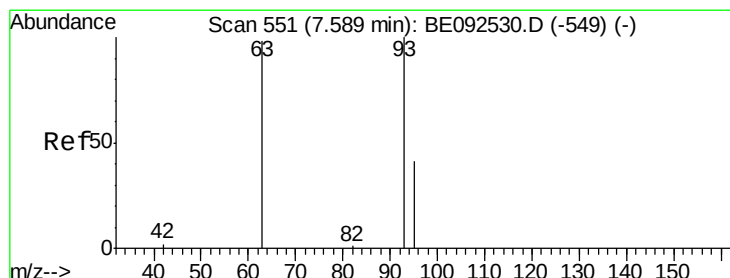
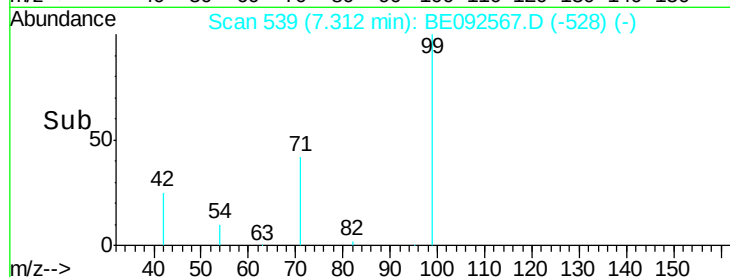
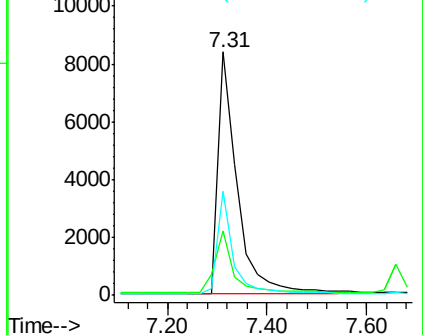
71 35.0 30.6 45.8



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: 0.04 ng

RT: 7.52 min Scan# 548

Delta R.T. -0.07 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

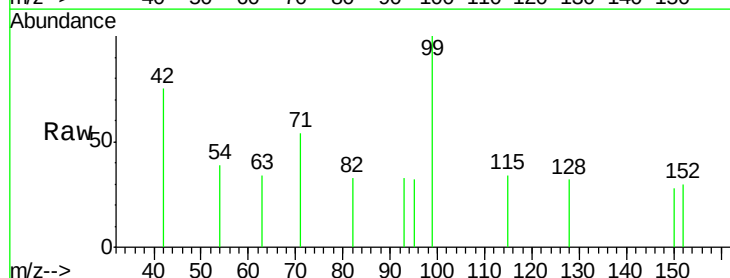
Tgt Ion: 93 Resp: 4

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

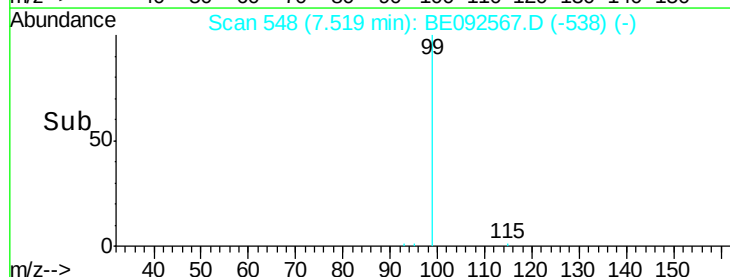
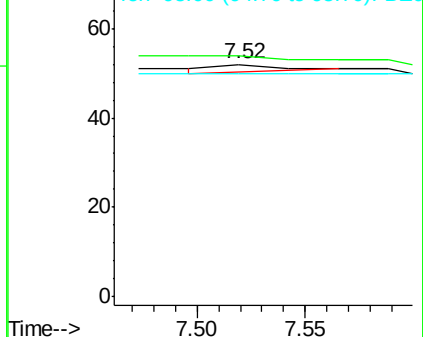
95 0.0 24.0 36.0#

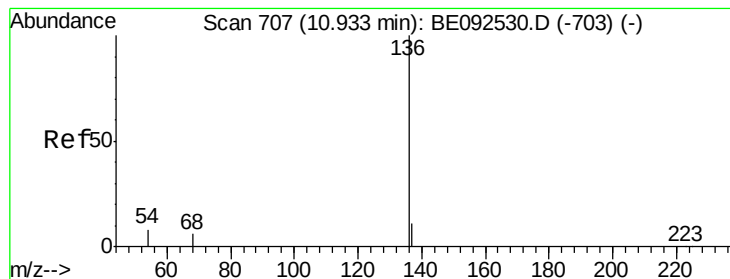


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

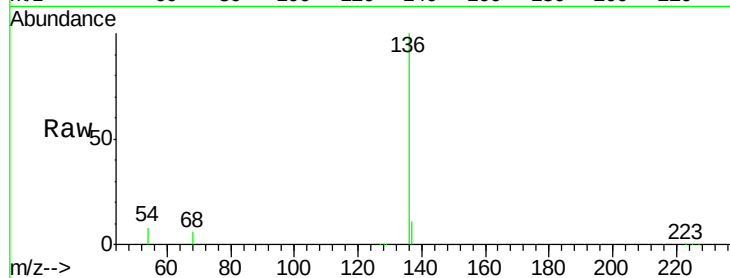
Instrument :

BNA_E

ClientSampleId :

PB94794BL

Tgt Ion:	136	Resp:	39634
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	8.0	9.6	14.4#
68	5.8	6.7	10.1#

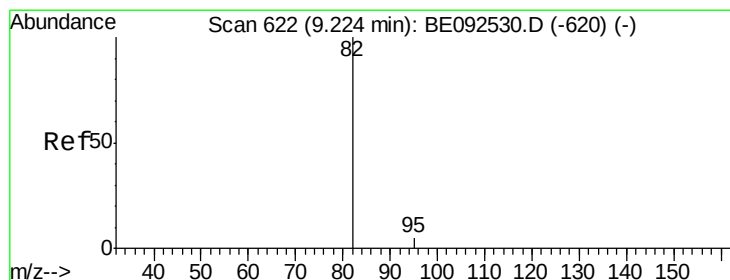
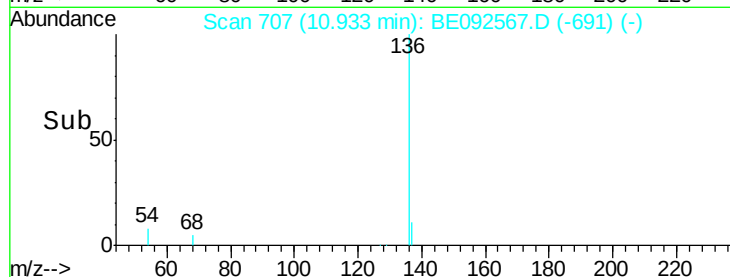
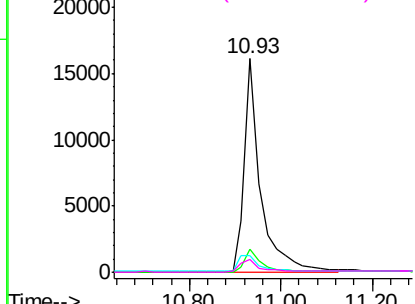


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 3.90 ng

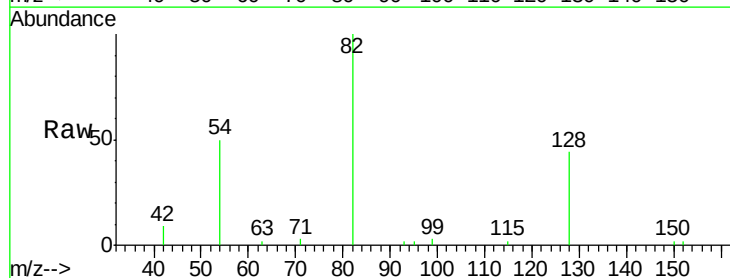
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

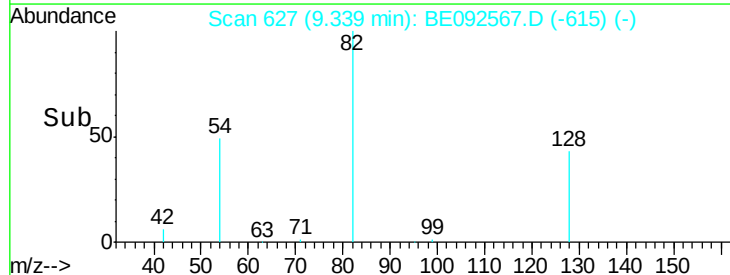
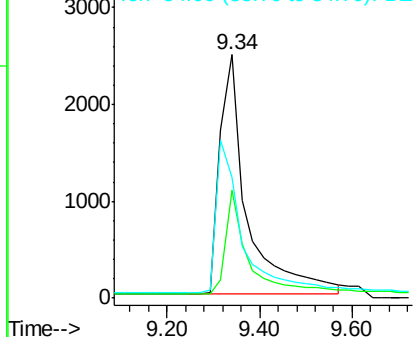
Tgt Ion:	82	Resp:	9992
Ion	Ratio	Lower	Upper
82	100		
128	44.4	39.0	58.4
54	49.9	44.8	67.2

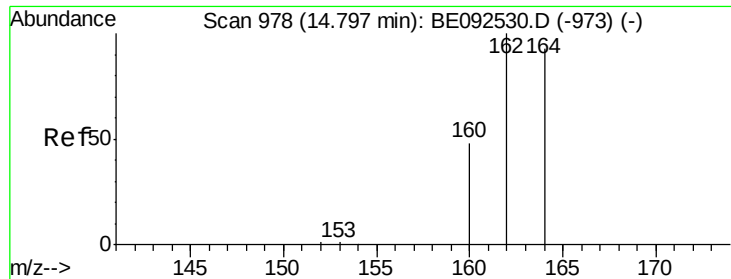


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

Instrument :

BNA_E

ClientSampleId :

PB94794BL

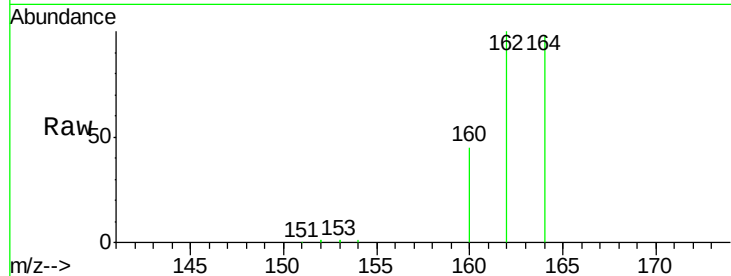
Tgt Ion:164 Resp: 24334

Ion Ratio Lower Upper

164 100

162 102.2 71.4 107.0

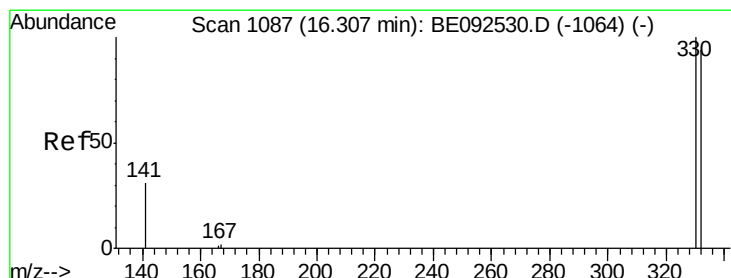
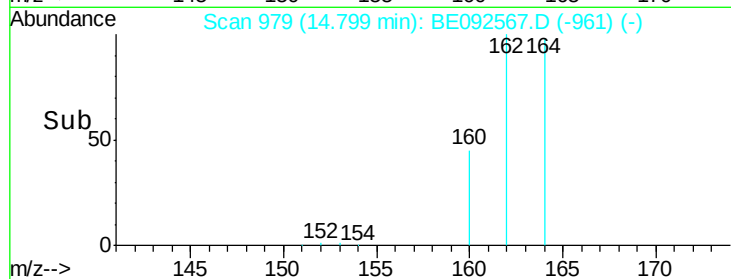
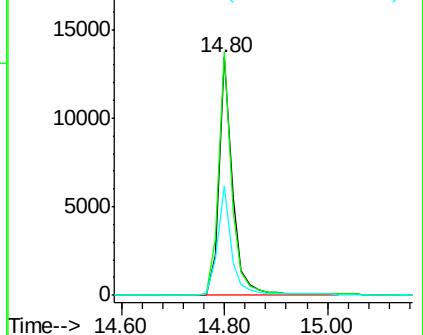
160 45.8 27.4 41.2#



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: 7.41 ng

RT: 16.30 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

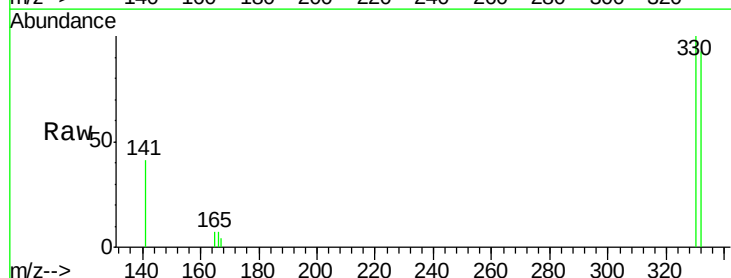
Tgt Ion:330 Resp: 4044

Ion Ratio Lower Upper

330 100

332 96.3 75.4 113.0

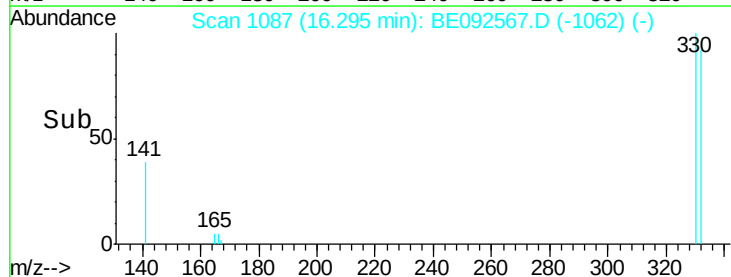
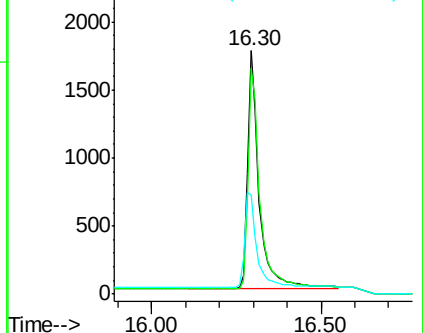
141 43.8 31.0 46.6

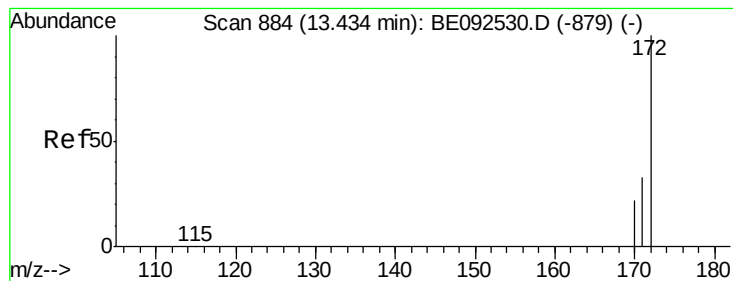


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 4.11 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

Instrument :

BNA_E

ClientSampleId :

PB94794BL

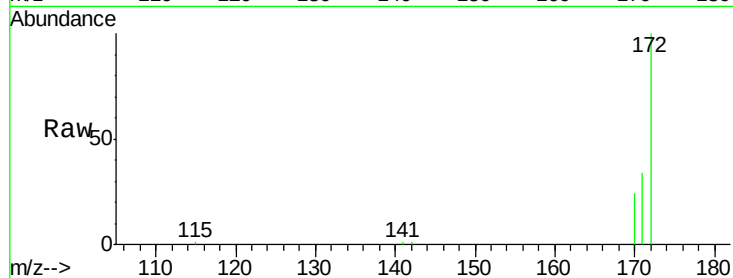
Tgt Ion:172 Resp: 24368

Ion Ratio Lower Upper

172 100

171 34.5 30.1 45.1

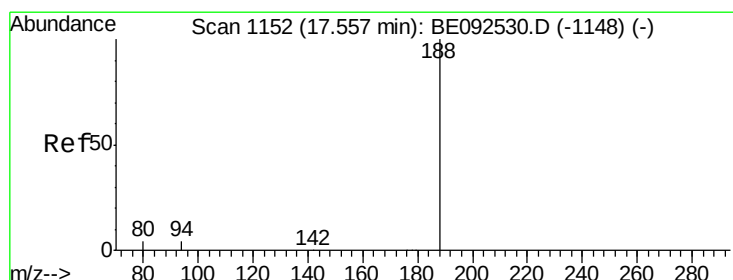
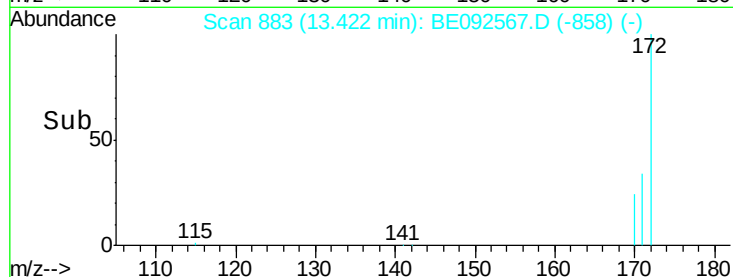
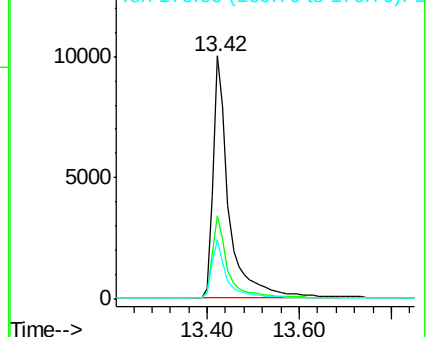
170 24.2 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

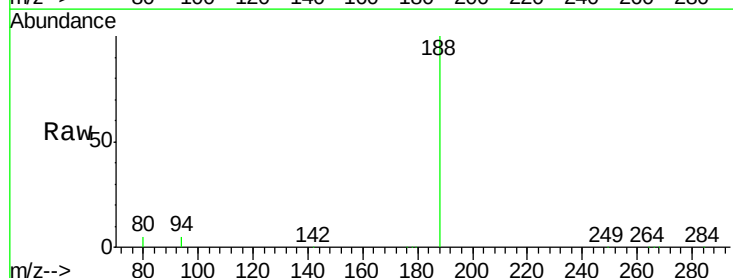
Tgt Ion:188 Resp: 50143

Ion Ratio Lower Upper

188 100

94 5.4 3.2 4.8#

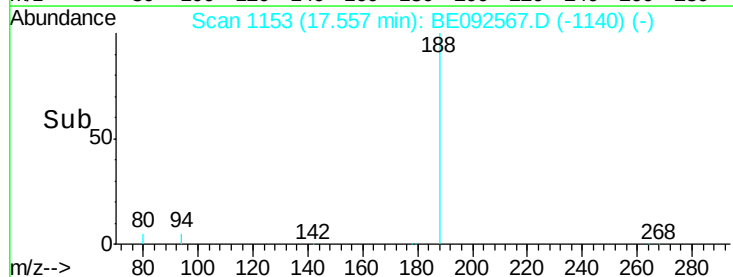
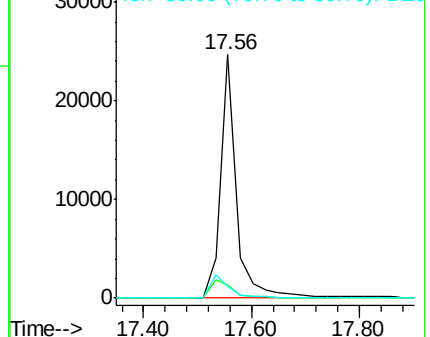
80 4.9 2.6 3.8#

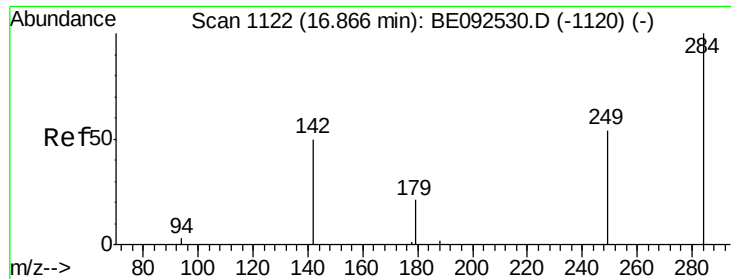


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

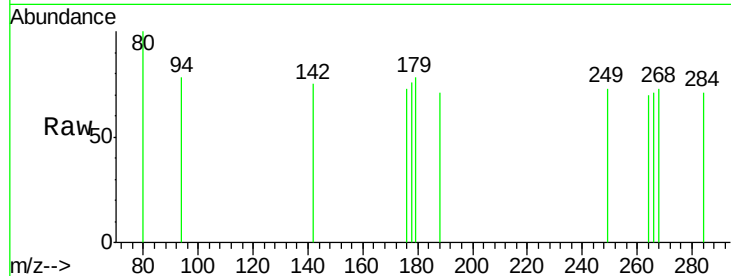




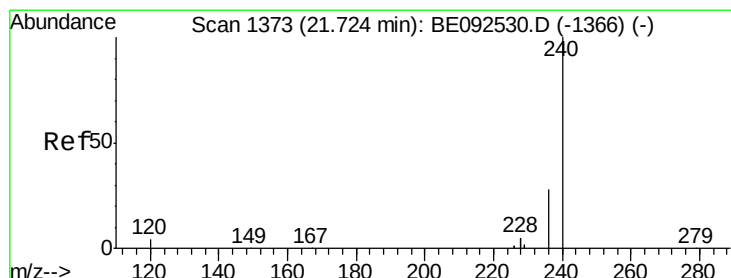
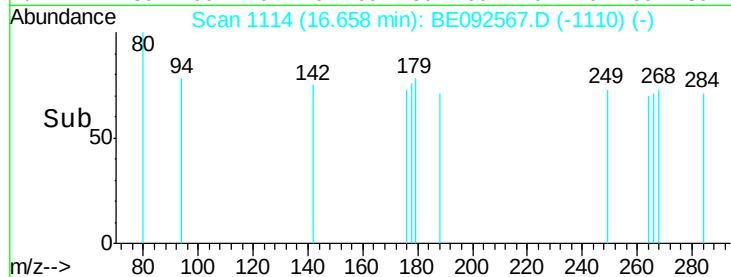
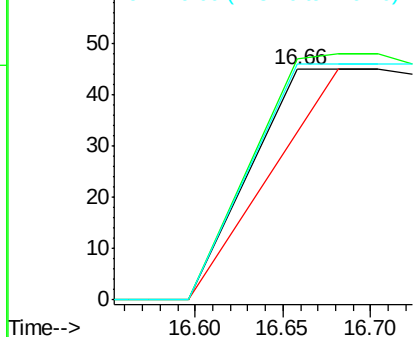
#19
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092567.D
Acq: 18 Nov 2016 15:42

Instrument :
BNA_E
ClientSampleId :
PB94794BL

Tgt Ion: 284 Resp: 115
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 533.9 27.9 41.9#

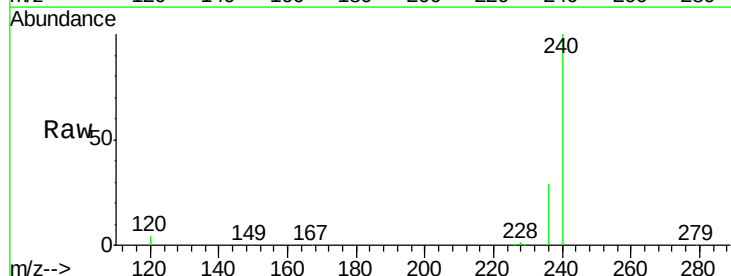


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

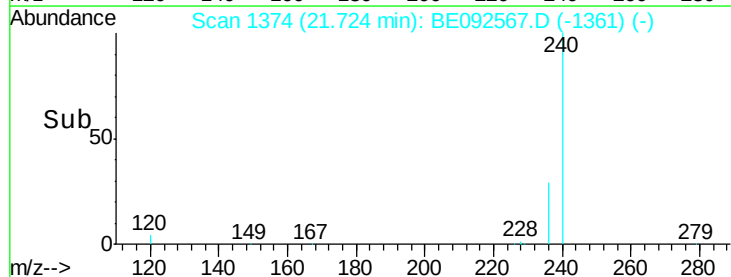
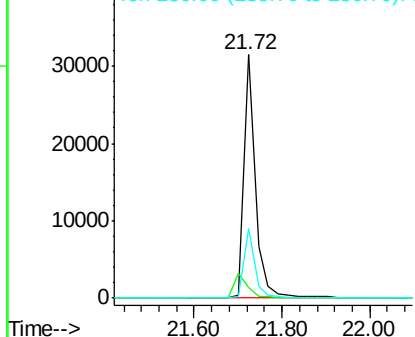


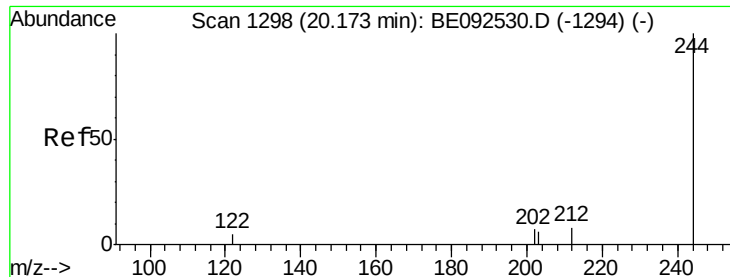
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092567.D
Acq: 18 Nov 2016 15:42

Tgt Ion: 240 Resp: 56120
Ion Ratio Lower Upper
240 100
120 4.3 2.6 4.0#
236 28.7 24.6 37.0



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





#26

Terphenyl-d14

Concen: 4.85 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

Instrument :

BNA_E

ClientSampleId :

PB94794BL

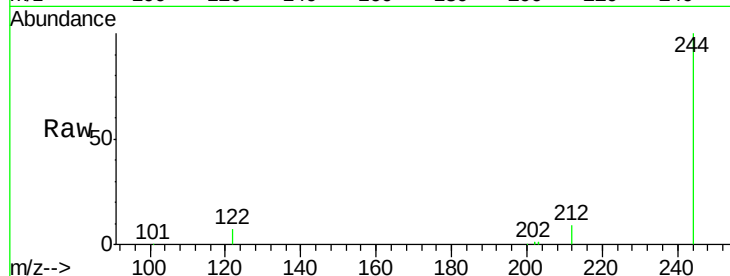
Tgt Ion:244 Resp: 31094

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

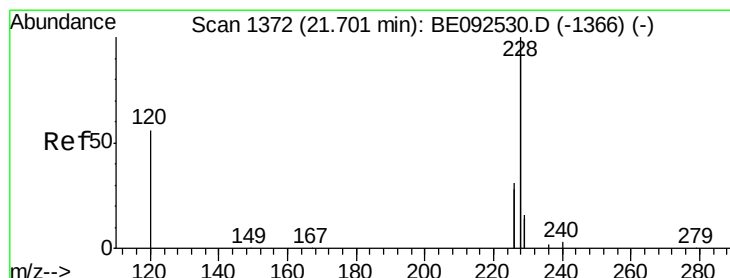
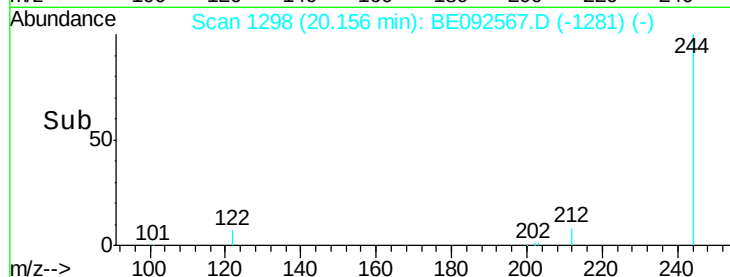
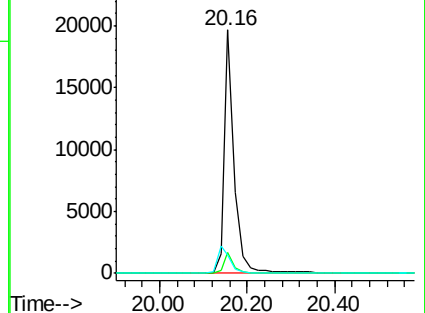
122 7.3 3.6 5.4#



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: BE092567.D

Acq: 18 Nov 2016 15:42

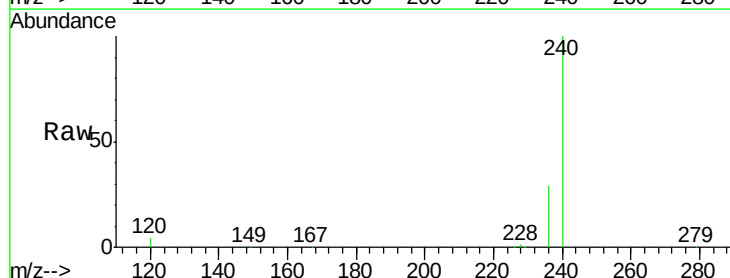
Tgt Ion:228 Resp: 674

Ion Ratio Lower Upper

228 100

226 41.8 23.6 35.4#

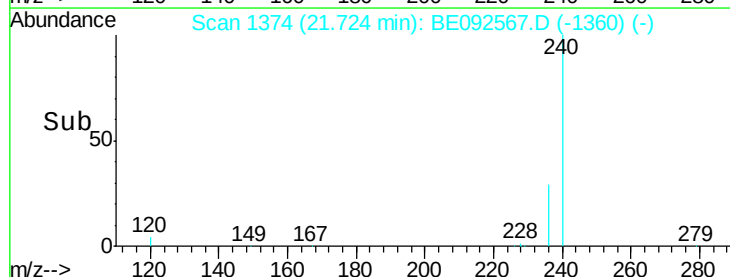
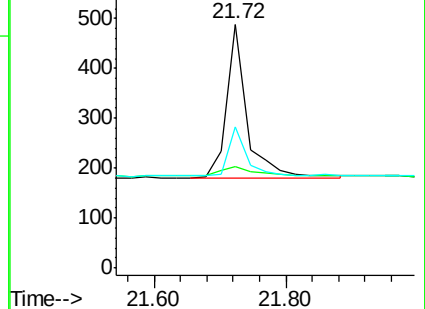
229 57.8 13.3 19.9#

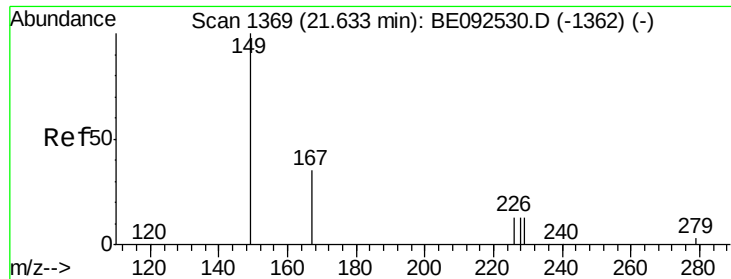


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.15 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

Instrument :

BNA_E

ClientSampleId :

PB94794BL

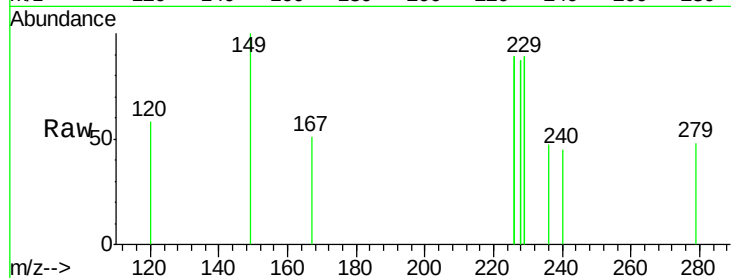
Tgt Ion:149 Resp: 126

Ion Ratio Lower Upper

149 100

167 11.1 16.0 24.0#

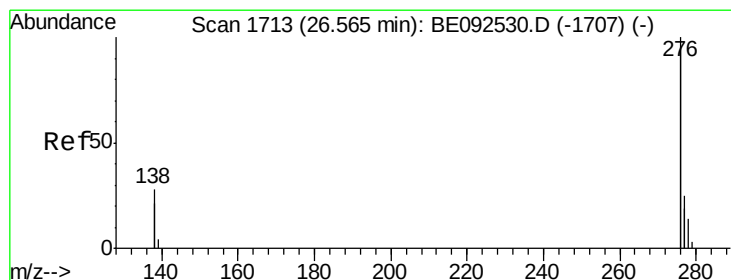
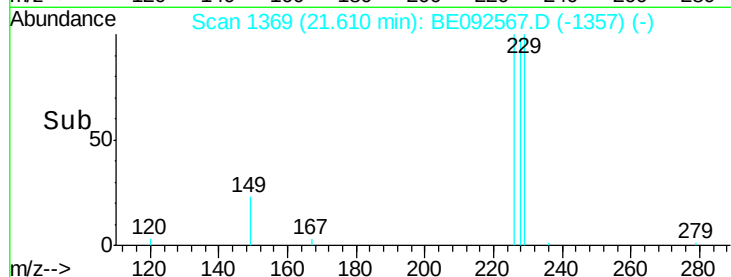
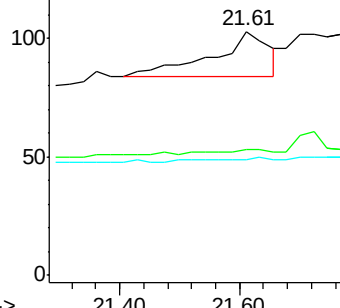
279 0.0 16.0 24.0#



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: 26.65 min Scan# 1719

Delta R.T. 0.08 min

Lab File: BE092567.D

Acq: 18 Nov 2016 15:42

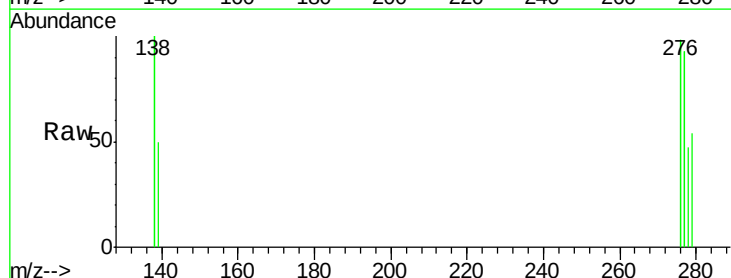
Tgt Ion:276 Resp: 178

Ion Ratio Lower Upper

276 100

138 25.3 20.3 30.5

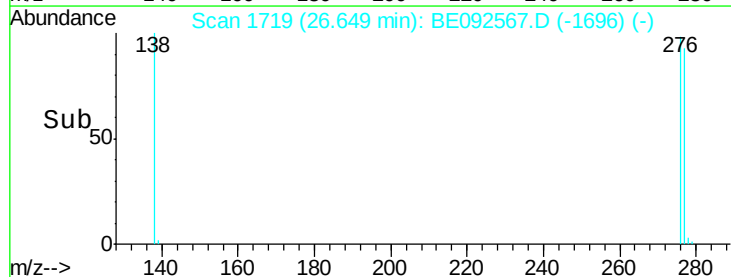
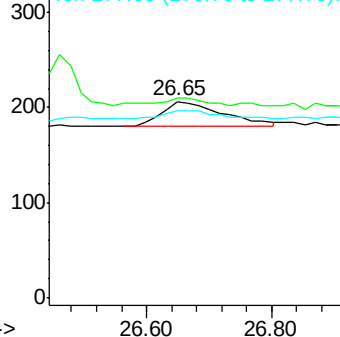
277 32.6 19.7 29.5#

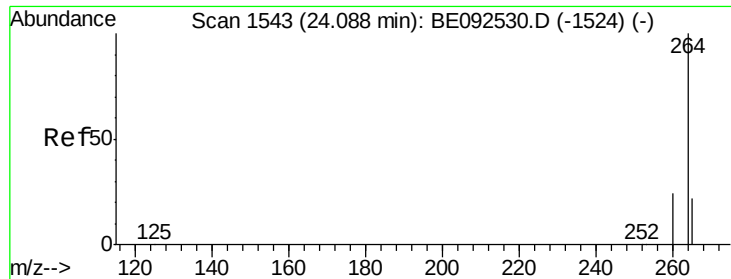


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

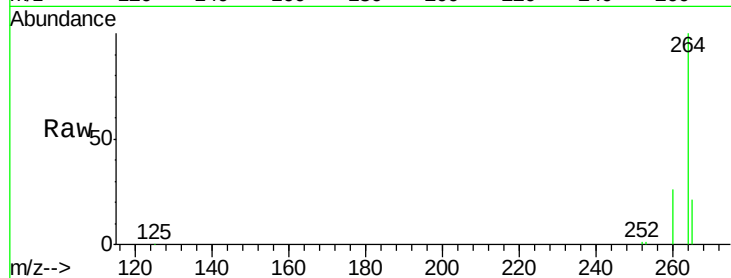




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092567.D
Acq: 18 Nov 2016 15:42

Instrument :
BNA_E
ClientSampleId :
PB94794BL

Tgt Ion: 264 Resp: 56431
Ion Ratio Lower Upper
264 100
260 25.7 20.1 30.1
265 21.4 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

