

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112316\
 Data File : BE092575.D
 Acq On : 23 Nov 2016 12:18
 Operator : UM/SJ
 Sample : PB94794BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB94794BL

Quant Time: Nov 23 17:56:20 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	9330	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	39226	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	24211	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	50713	5.00	ng	0.00
24) Chrysene-d12	21.72	240	59821	5.00	ng	0.00
31) Perylene-d12	24.08	264	58852	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	15897	10.09	ng	-0.02
5) Phenol-d6	7.31	99	20763	7.90	ng	-0.04
8) Nitrobenzene-d5	9.34	82	9086	3.59	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	3440	6.33	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	22622	3.83	ng	-0.01
26) Terphenyl-d14	20.16	244	29315	4.29	ng	-0.02

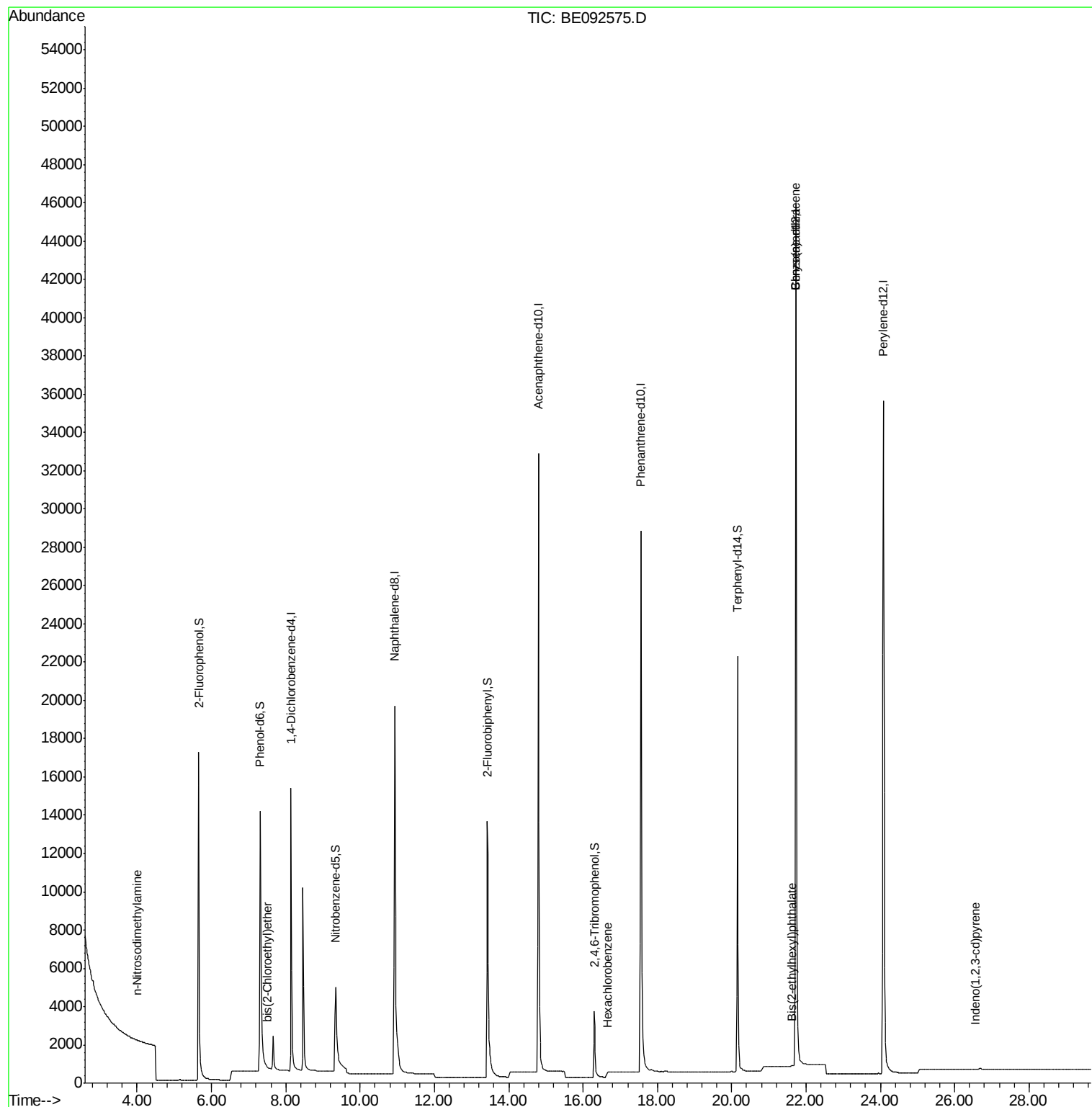
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.57	88	11	Below Cal	#	19
3) n-Nitrosodimethylamine	4.00	42	7	0.18 ng	#	2
6) bis(2-Chloroethyl)ether	7.50	93	3	0.04 ng	#	15
19) Hexachlorobenzene	16.66	284	652	0.33 ng	#	39
27) Benzo(a)anthracene	21.72	228	709	0.11 ng	#	54
29) Bis(2-ethylhexyl)phthalate	21.61	149	102	0.15 ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.55	276	8	0.05 ng	#	50

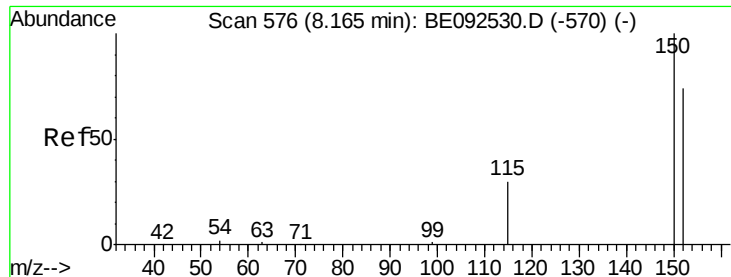
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092575.D

Acq: 23 Nov 2016 12:18

Instrument :

BNA_E

ClientSampleId :

PB94794BL

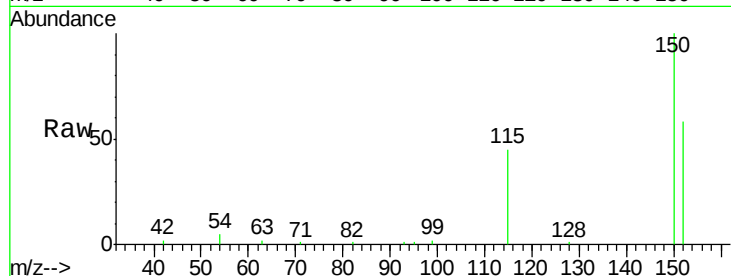
Tgt Ion:152 Resp: 9330

Ion Ratio Lower Upper

152 100

150 172.9 106.0 159.0#

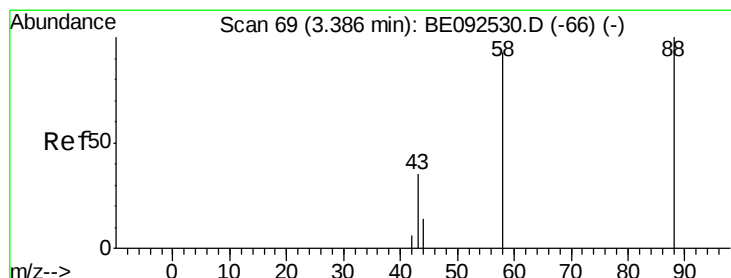
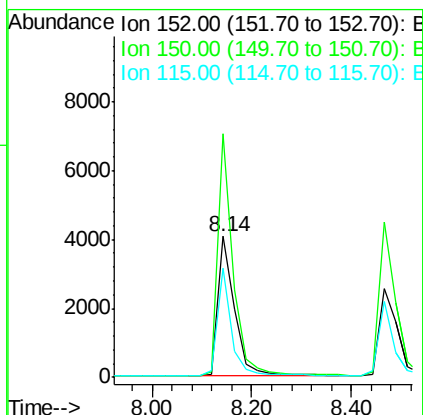
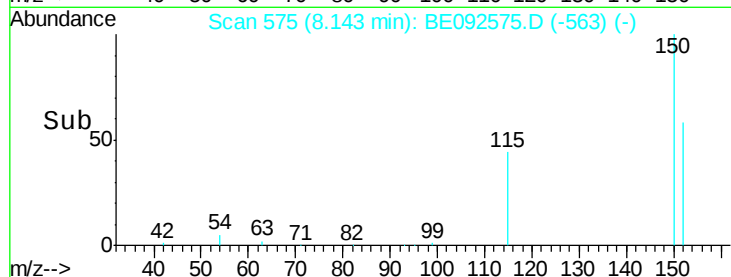
115 77.3 31.2 46.8#



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.57 min Scan# 85

Delta R.T. 0.18 min

Lab File: BE092575.D

Acq: 23 Nov 2016 12:18

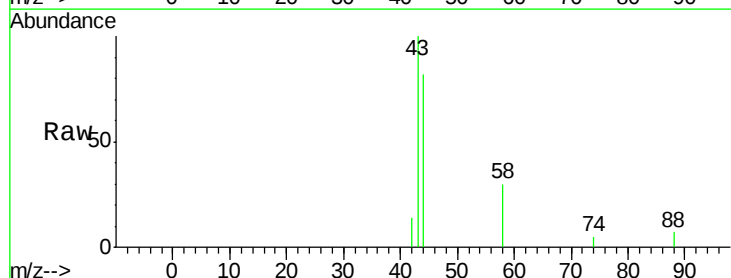
Tgt Ion: 88 Resp: 11

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

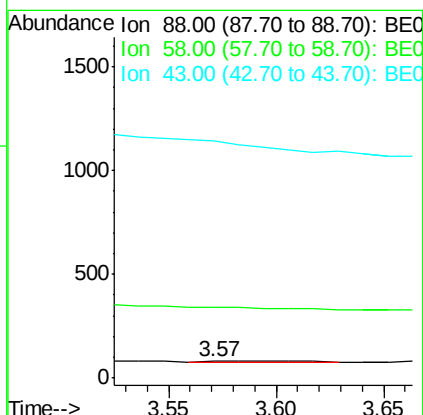
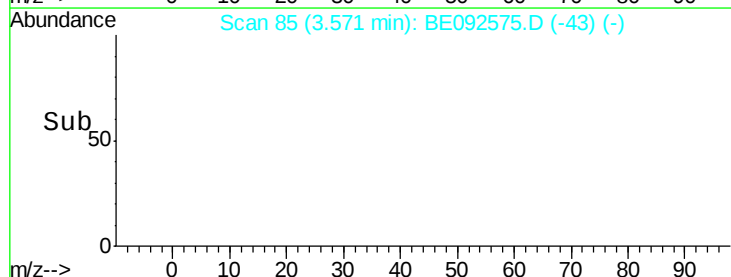
43 0.0 28.0 42.0#

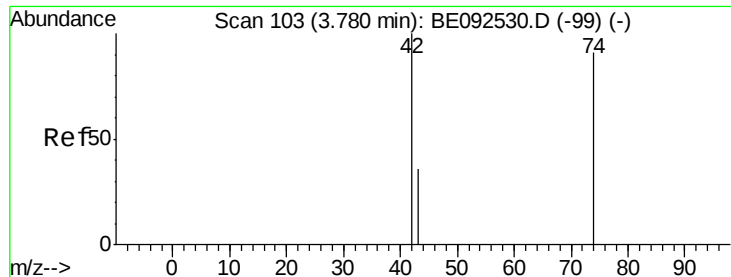


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



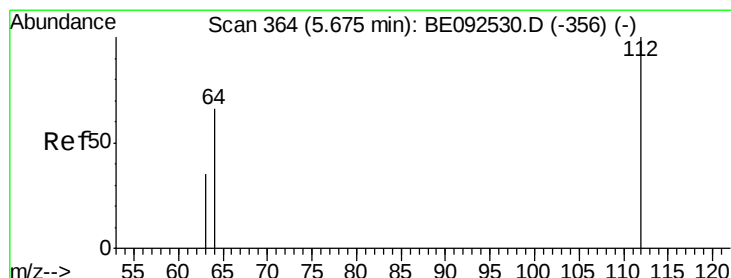
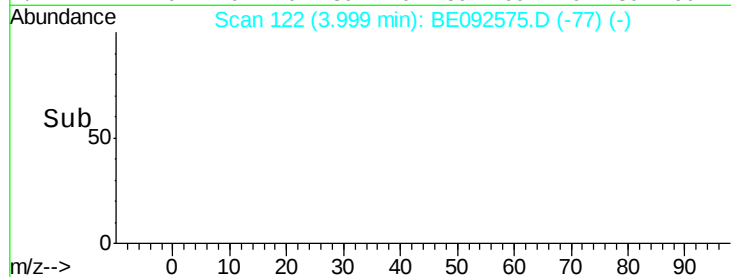
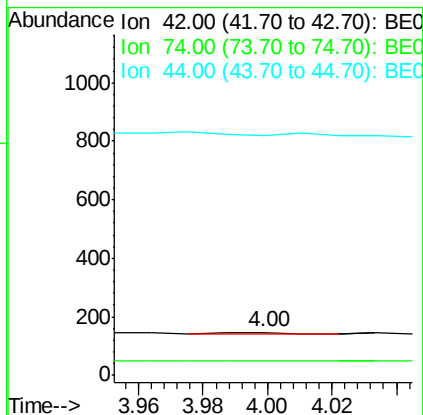
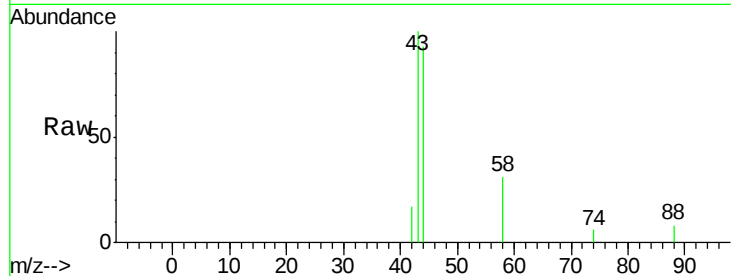


#3

n-Nitrosodimethylamine
Concen: 0.18 ng
RT: 4.00 min Scan# 122
Delta R.T. 0.22 min
Lab File: BE092575.D
Acq: 23 Nov 2016 12:18

Instrument :
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PB94794BL

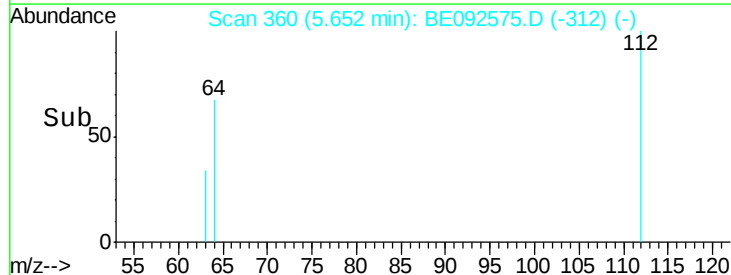
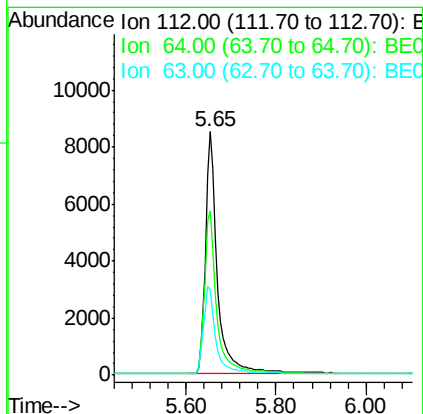
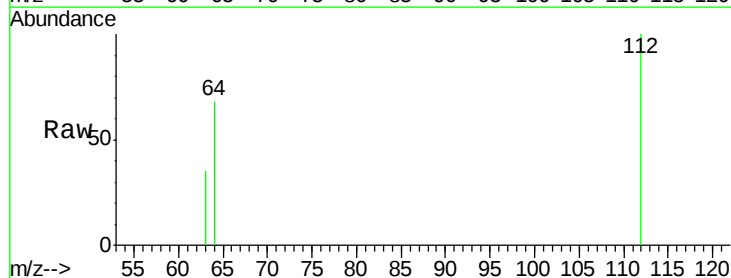
Tgt Ion: 42 Resp: 7
Ion Ratio Lower Upper
42 100
74 0.0 86.0 129.0#
44 0.0 5.1 7.7#



#4

2-Fluorophenol
Concen: 10.09 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.02 min
Lab File: BE092575.D
Acq: 23 Nov 2016 12:18

Tgt Ion: 112 Resp: 15897
Ion Ratio Lower Upper
112 100
64 68.7 53.5 80.3
63 36.9 27.9 41.9





#5

Phenol-d6

Concen: 7.90 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.04 min

Lab File: BE092575.D

Acq: 23 Nov 2016 12:18

Instrument :

BNA_E

ClientSampleId :

PB94794BL

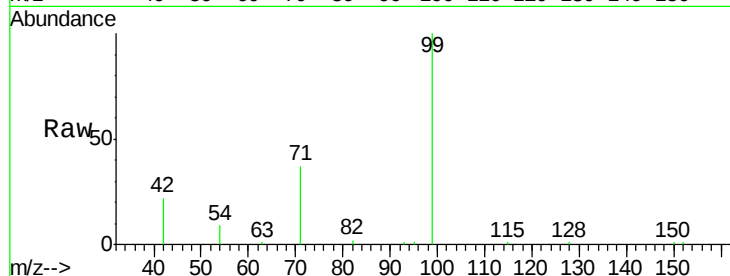
Tgt Ion: 99 Resp: 20763

Ion Ratio Lower Upper

99 100

42 23.8 16.0 24.0

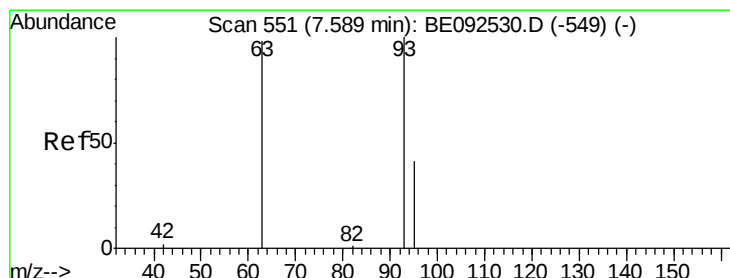
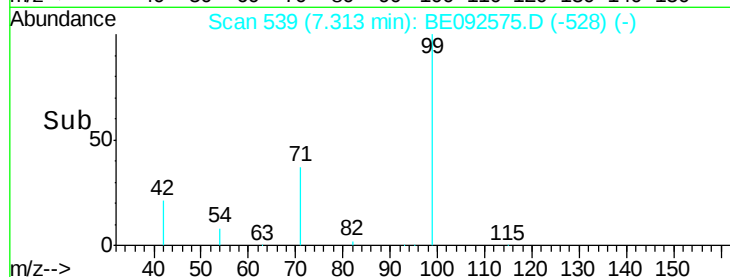
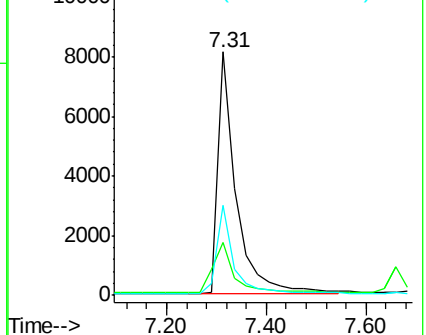
71 34.1 30.6 45.8



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: 7.50 min Scan# 547

Delta R.T. -0.09 min

Lab File: BE092575.D

Acq: 23 Nov 2016 12:18

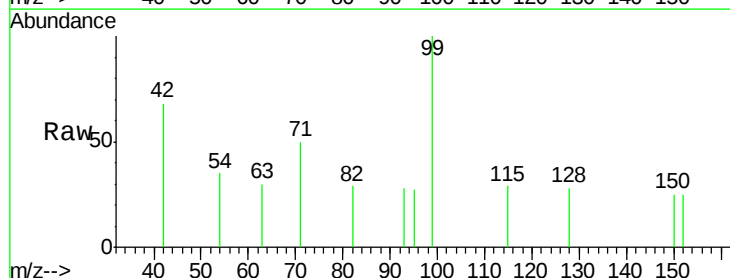
Tgt Ion: 93 Resp: 3

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

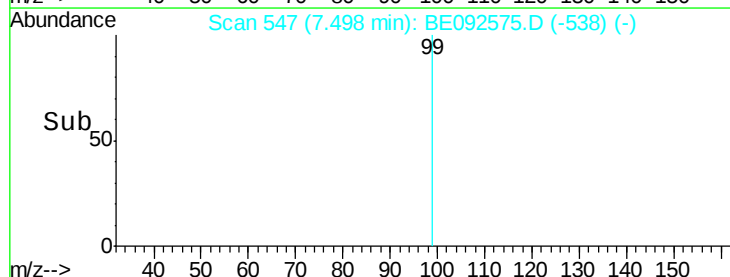
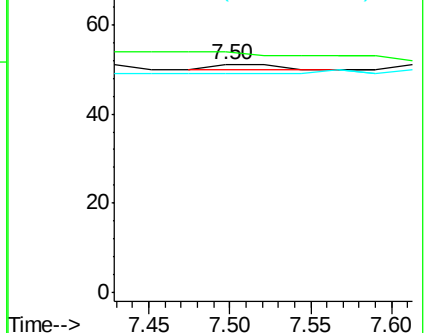
95 0.0 24.0 36.0#

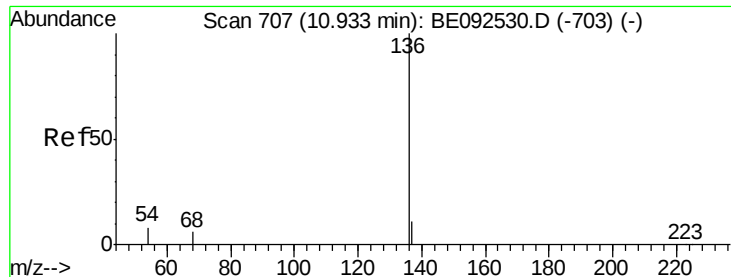


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092575.D

Acq: 23 Nov 2016 12:18

Instrument :

BNA_E

ClientSampleId :

PB94794BL

Tgt Ion:136 Resp: 39226

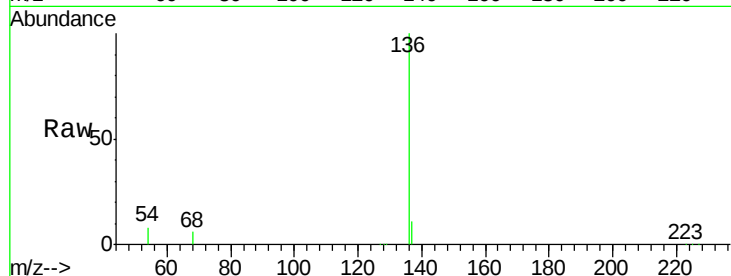
Ion Ratio Lower Upper

136 100

137 11.1 8.2 12.4

54 8.3 9.6 14.4#

68 5.9 6.7 10.1#

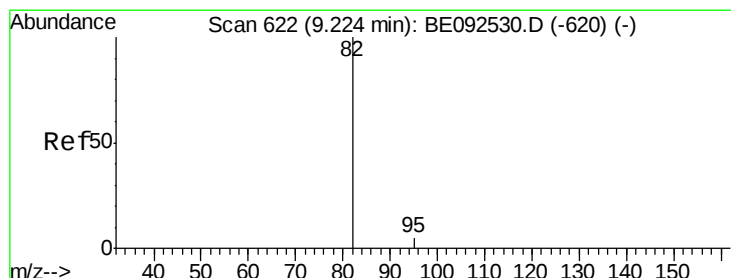
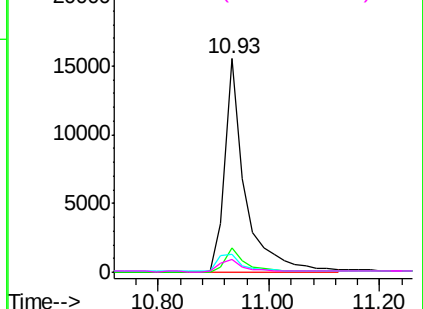
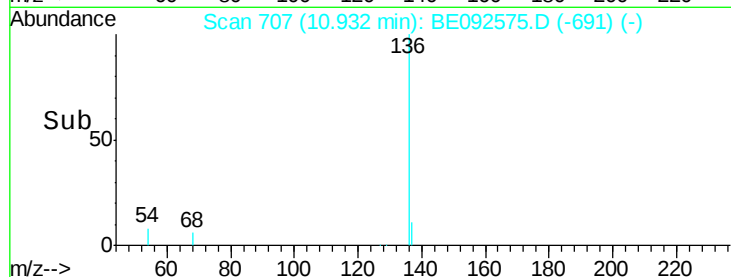


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.59 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092575.D

Acq: 23 Nov 2016 12:18

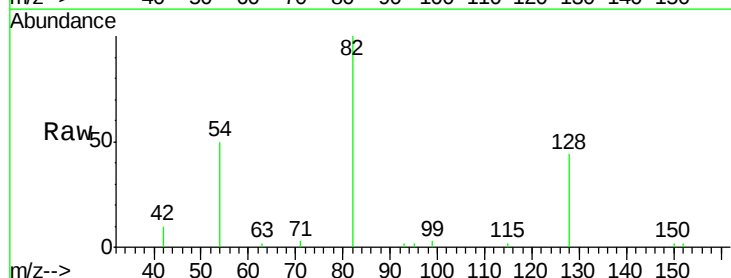
Tgt Ion: 82 Resp: 9086

Ion Ratio Lower Upper

82 100

128 43.8 39.0 58.4

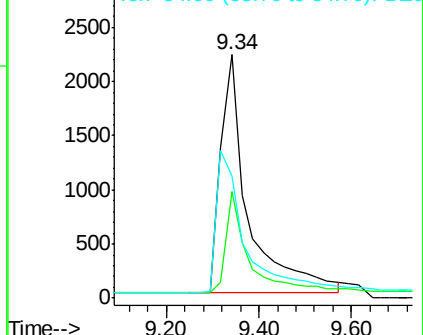
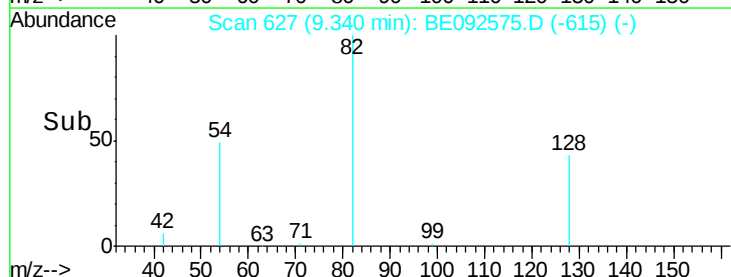
54 50.4 44.8 67.2

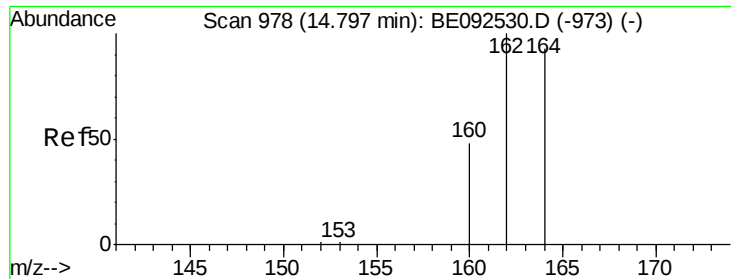


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

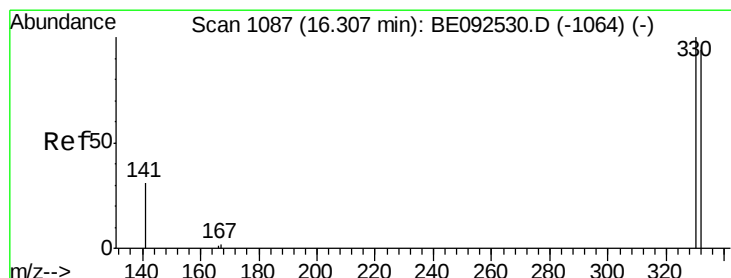
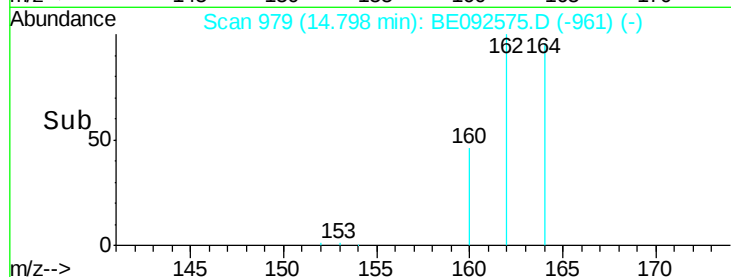
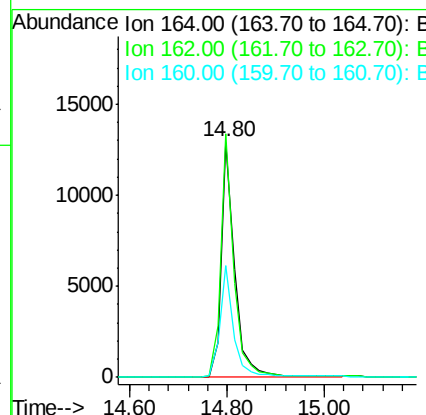
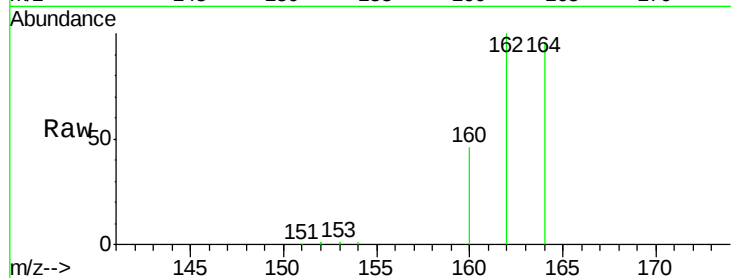




#12
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.80 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: BE092575.D
 Acq: 23 Nov 2016 12:18

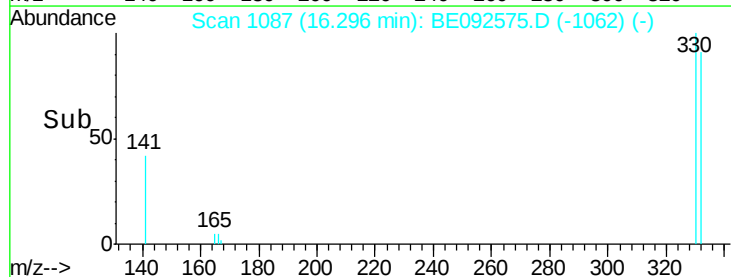
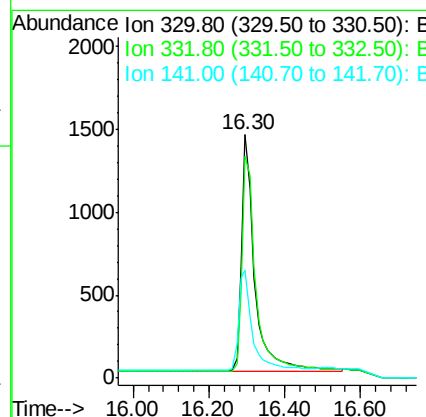
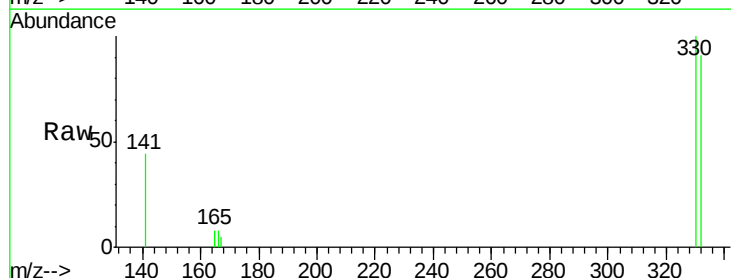
Instrument :
 BNA_E
 ClientSampleId :
 PB94794BL

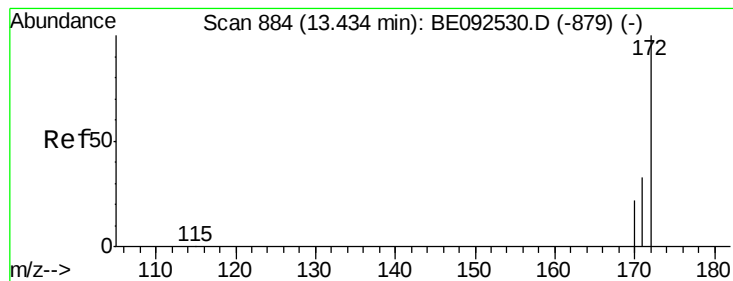
Tgt Ion:164 Resp: 24211
 Ion Ratio Lower Upper
 164 100
 162 103.7 71.4 107.0
 160 47.6 27.4 41.2#



#13
 2,4,6-Tribromophenol
 Concen: 6.33 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092575.D
 Acq: 23 Nov 2016 12:18

Tgt Ion:330 Resp: 3440
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.4 113.0
 141 44.3 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 3.83 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092575.D

Acq: 23 Nov 2016 12:18

Instrument :

BNA_E

ClientSampleId :

PB94794BL

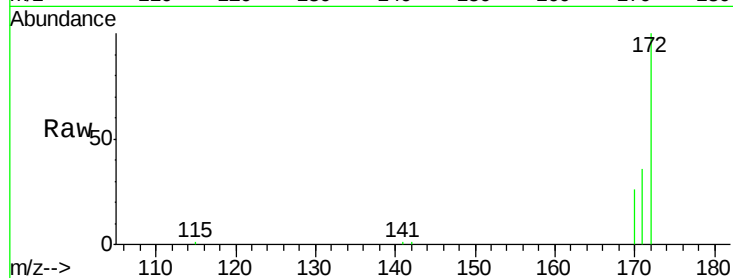
Tgt Ion:172 Resp: 22622

Ion Ratio Lower Upper

172 100

171 36.1 30.1 45.1

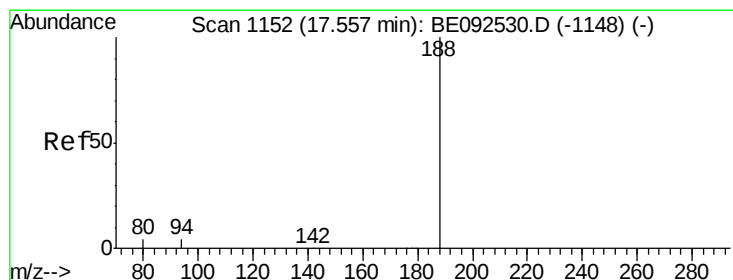
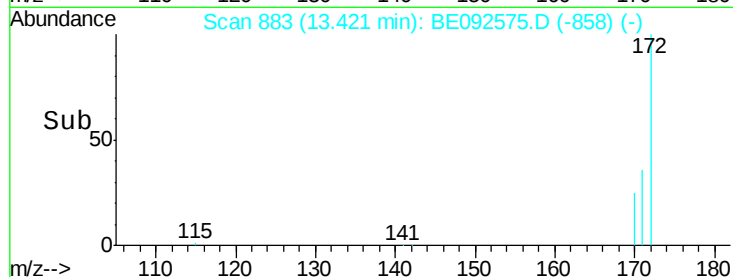
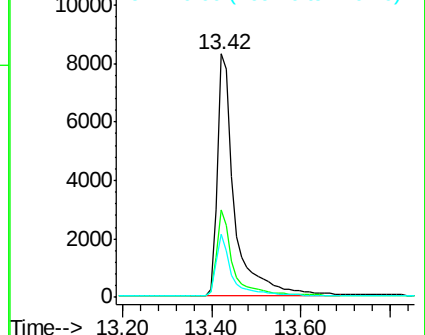
170 25.7 21.8 32.6



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: BE092575.D

Acq: 23 Nov 2016 12:18

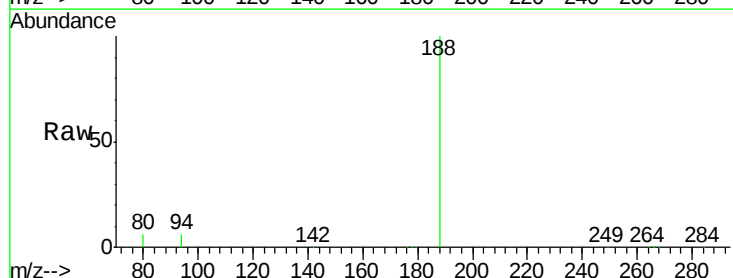
Tgt Ion:188 Resp: 50713

Ion Ratio Lower Upper

188 100

94 6.1 3.2 4.8#

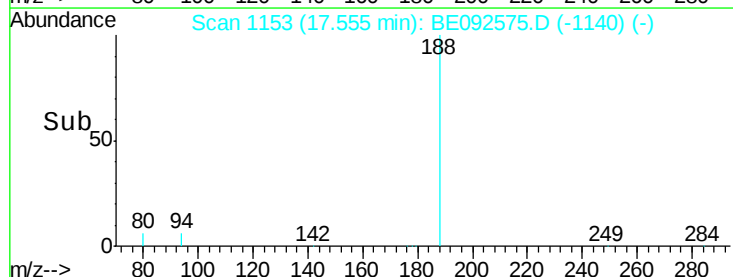
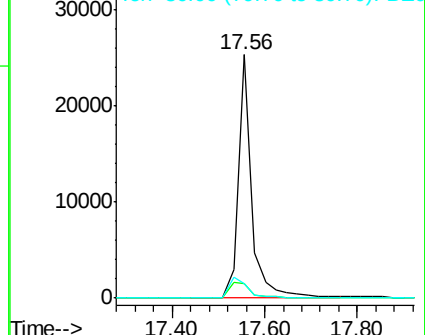
80 5.8 2.6 3.8#

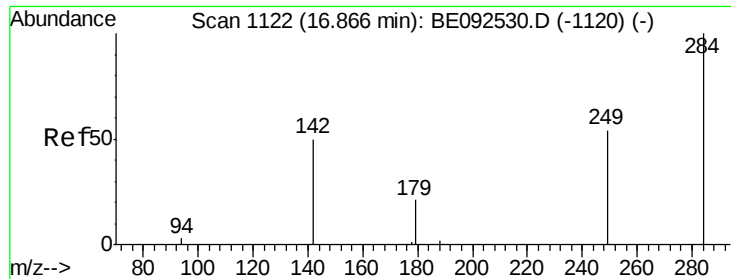


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

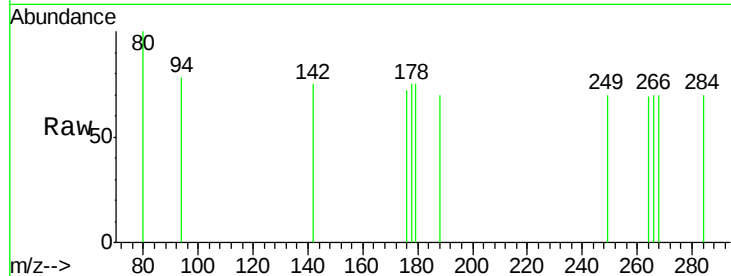




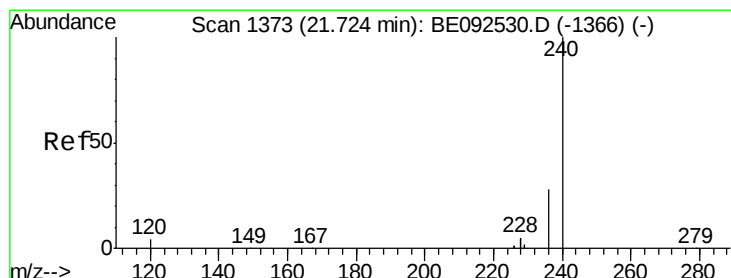
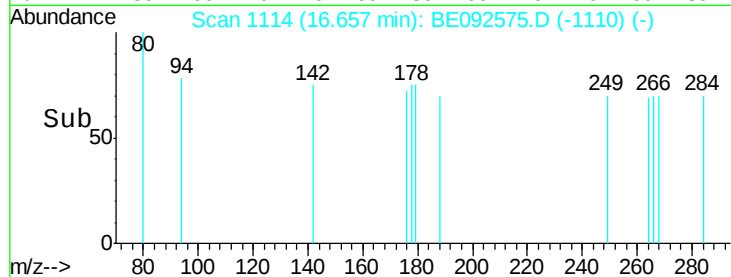
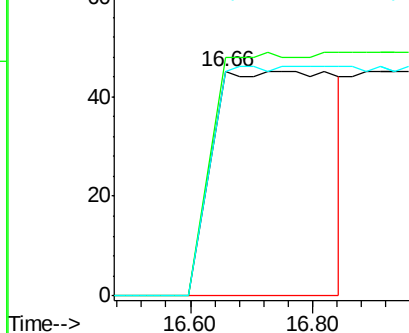
#19
Hexachlorobenzene
Concen: 0.33 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092575.D
Acq: 23 Nov 2016 12:18

Instrument :
BNA_E
ClientSampleId :
PB94794BL

Tgt Ion: 284 Resp: 652
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

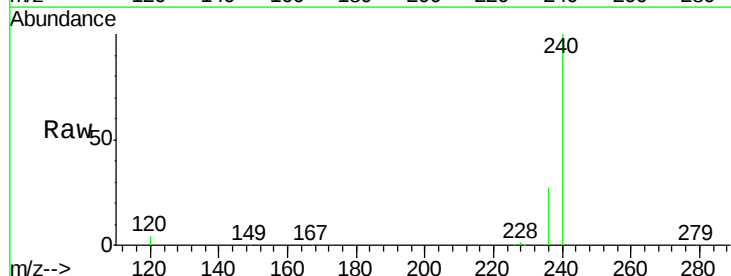


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

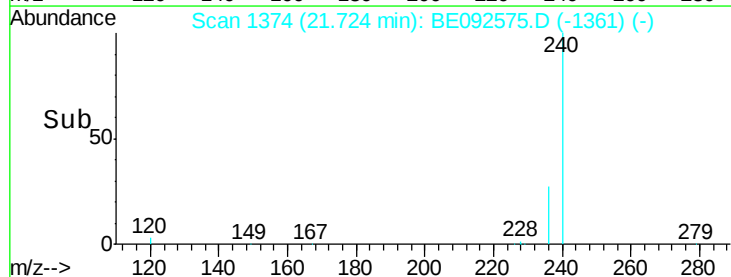
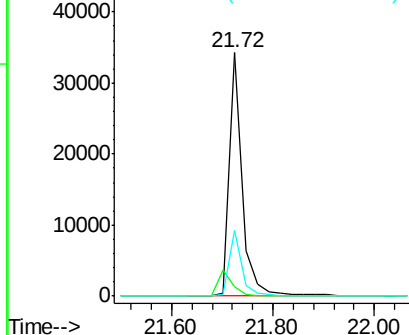


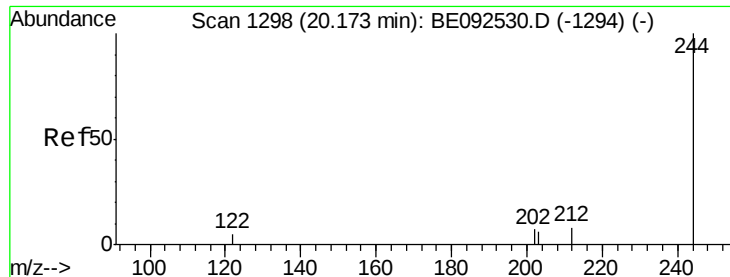
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092575.D
Acq: 23 Nov 2016 12:18

Tgt Ion: 240 Resp: 59821
Ion Ratio Lower Upper
240 100
120 3.6 2.6 4.0
236 27.2 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: 4.29 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092575.D

Acq: 23 Nov 2016 12:18

Instrument :

BNA_E

ClientSampleId :

PB94794BL

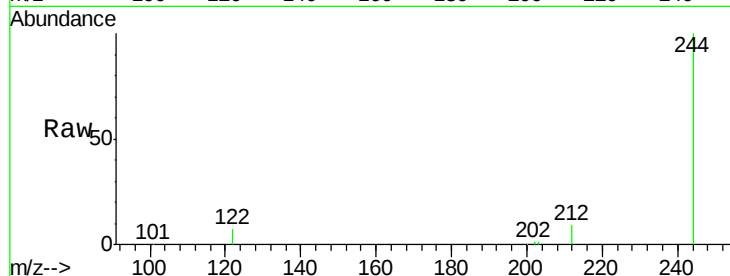
Tgt Ion:244 Resp: 29315

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

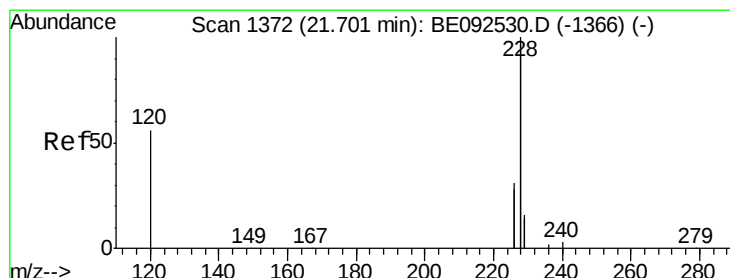
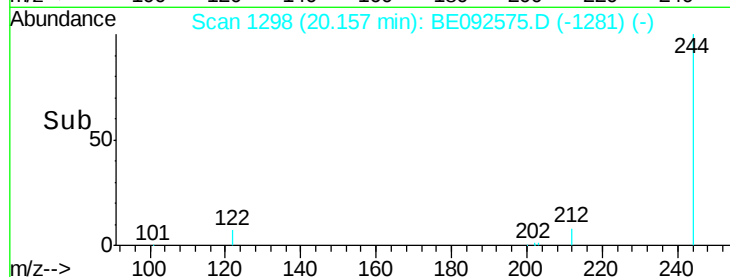
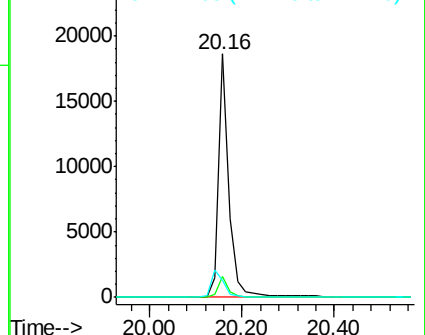
122 6.9 3.6 5.4#



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: BE092575.D

Acq: 23 Nov 2016 12:18

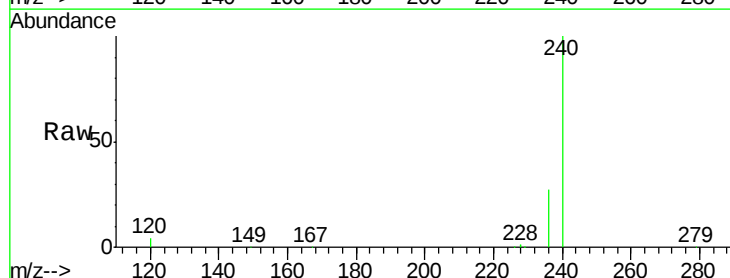
Tgt Ion:228 Resp: 709

Ion Ratio Lower Upper

228 100

226 40.0 23.6 35.4#

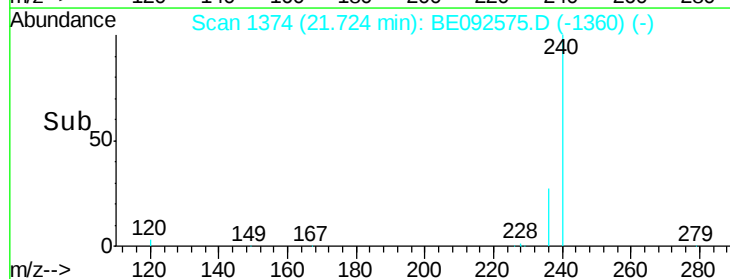
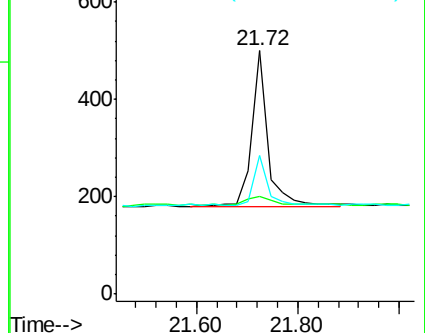
229 56.8 13.3 19.9#

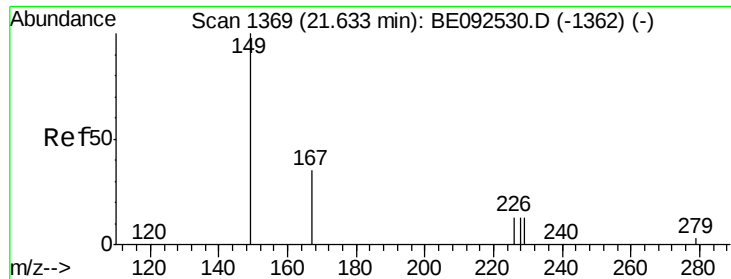


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE092575.D

Acq: 23 Nov 2016 12:18

Instrument :

BNA_E

ClientSampleId :

PB94794BL

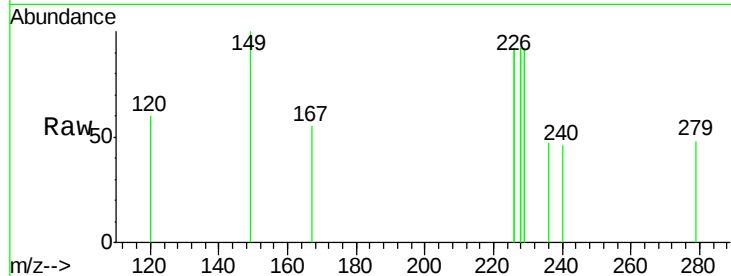
Tgt Ion:149 Resp: 102

Ion Ratio Lower Upper

149 100

167 0.0 16.0 24.0#

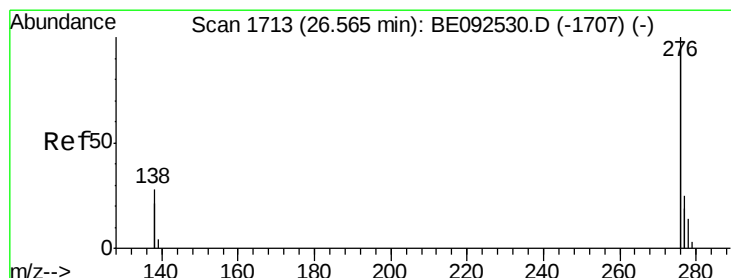
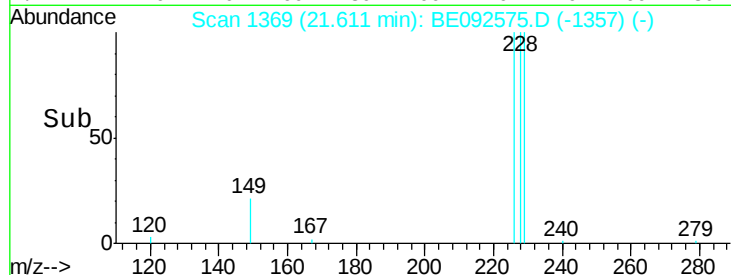
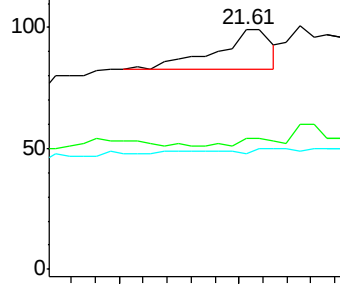
279 0.0 16.0 24.0#



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: 26.55 min Scan# 1713

Delta R.T. -0.02 min

Lab File: BE092575.D

Acq: 23 Nov 2016 12:18

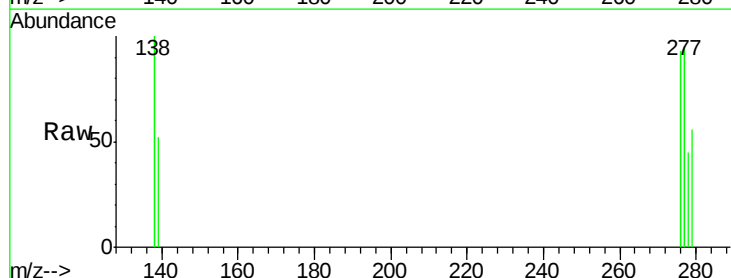
Tgt Ion:276 Resp: 8

Ion Ratio Lower Upper

276 100

138 0.0 20.3 30.5#

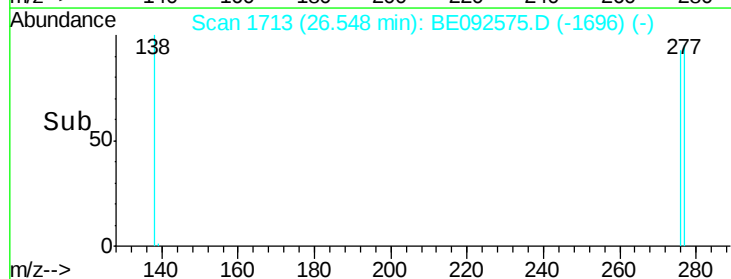
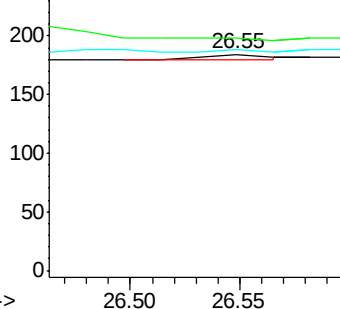
277 0.0 19.7 29.5#

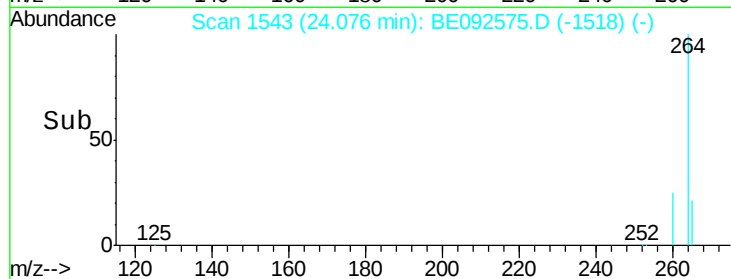
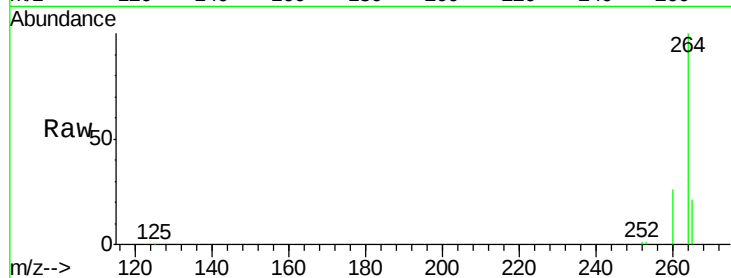
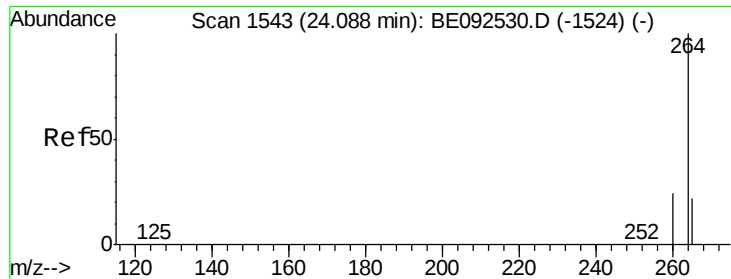


Abundance Ion 276.00 (275.70 to 276.70): E

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: BE092575.D

Acq: 23 Nov 2016 12:18

Instrument :

BNA_E

ClientSampleId :

PB94794BL

Tgt Ion: 264 Resp: 58852

Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

265 21.4 17.9 26.9

