

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092539.D
 Acq On : 16 Nov 2016 18:27
 Operator : UM/SJ
 Sample : PB94687BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB94687BL

Quant Time: Nov 17 04:51:41 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

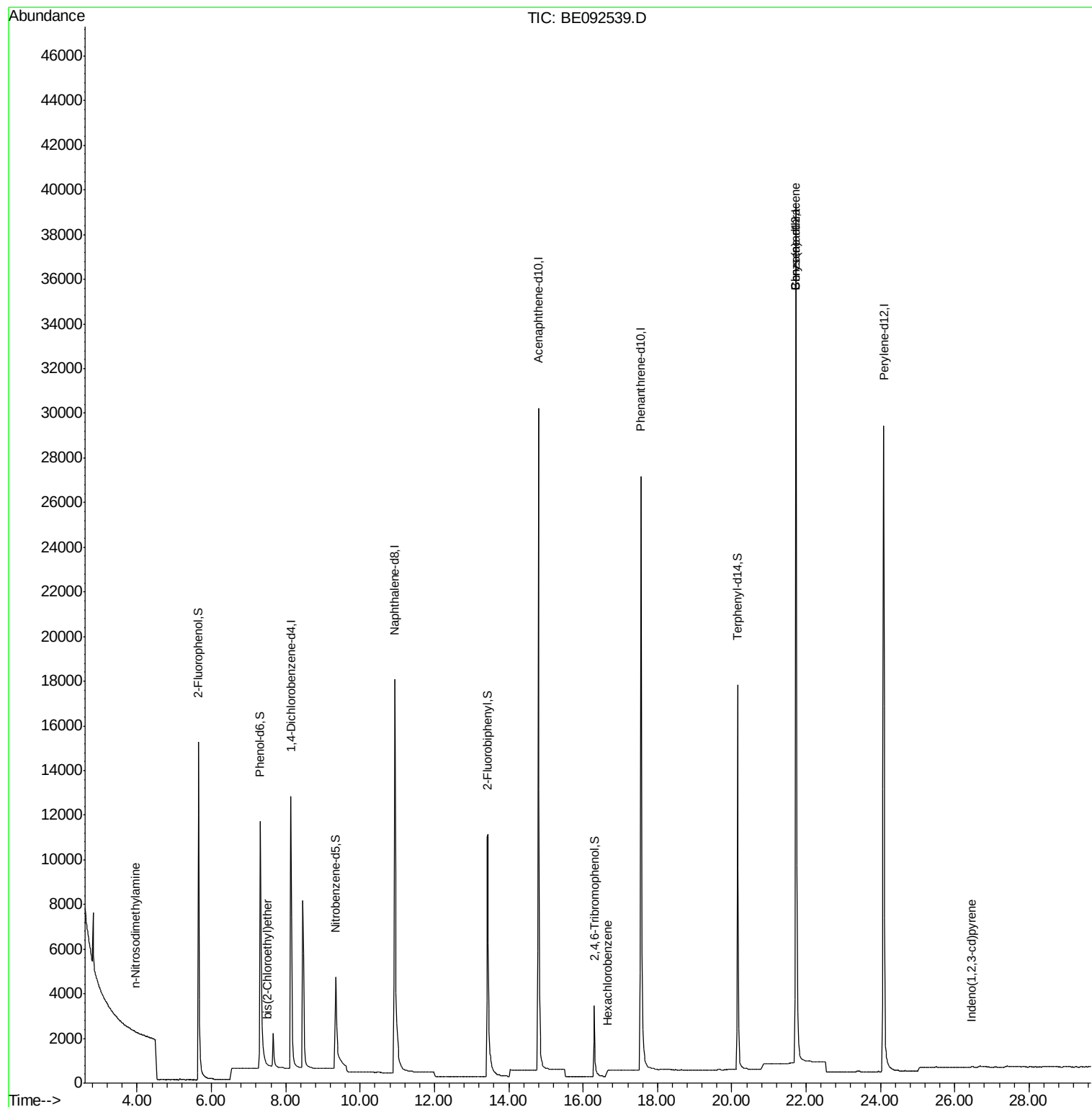
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8834	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	36974	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	22329	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	46850	5.00	ng	0.00
24) Chrysene-d12	21.72	240	52866	5.00	ng	0.00
31) Perylene-d12	24.09	264	50844	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	14315	9.59	ng	-0.02
5) Phenol-d6	7.31	99	18077	7.27	ng	-0.04
8) Nitrobenzene-d5	9.34	82	7989	3.36	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	3225	6.44	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	19902	3.66	ng	0.00
26) Terphenyl-d14	20.16	244	26219	4.34	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.97	42	10	0.18	ng	# 11
6) bis(2-Chloroethyl)ether	7.50	93	10	0.04	ng	# 15
19) Hexachlorobenzene	16.66	284	343	0.19	ng	# 15
27) Benzo(a)anthracene	21.72	228	638	0.11	ng	# 52
30) Indeno(1,2,3-cd)pyrene	26.46	276	10	0.05	ng	# 1

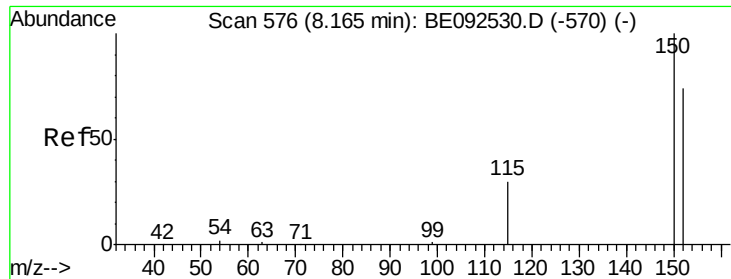
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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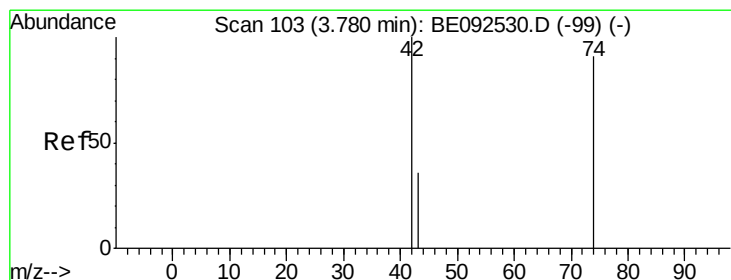
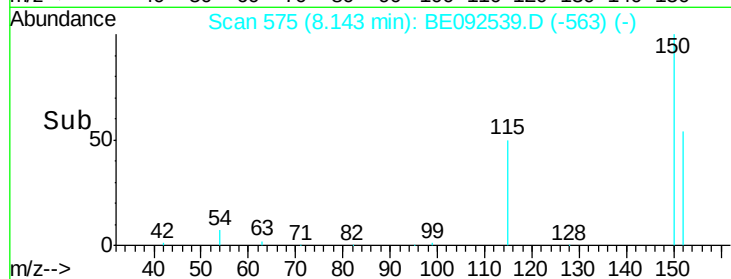
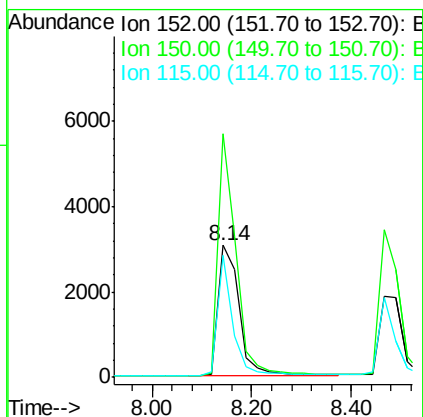
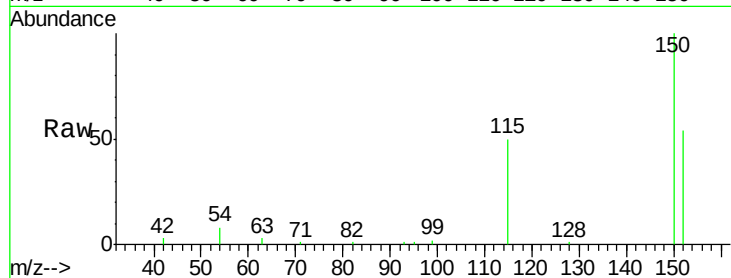


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092539.D
Acq: 16 Nov 2016 18:27

Instrument :
BNA_E
ClientSampleId :
PB94687BL

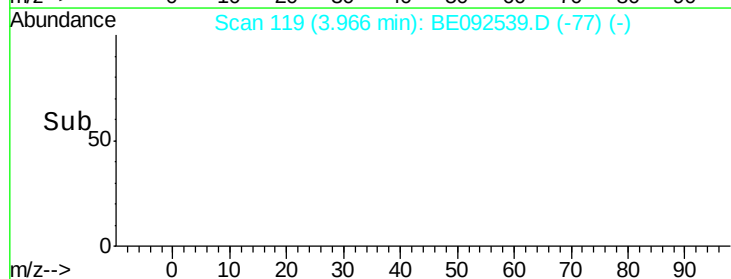
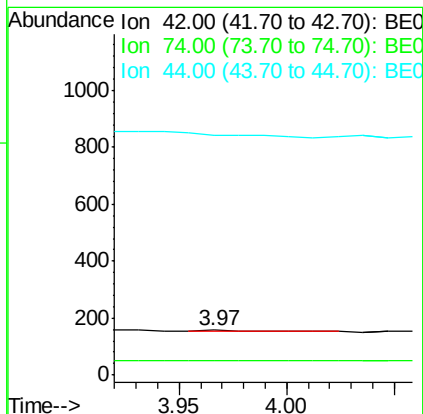
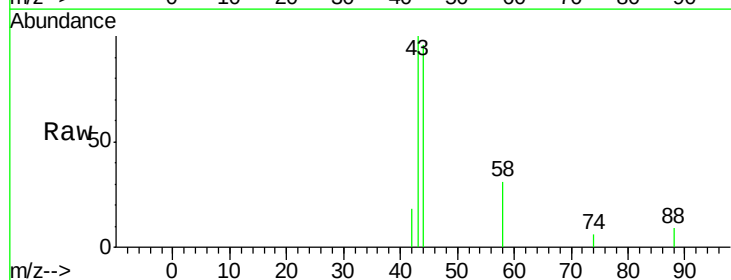
Tgt Ion: 152 Resp: 8834
Ion Ratio Lower Upper
152 100
150 184.8 106.0 159.0#
115 92.6 31.2 46.8#

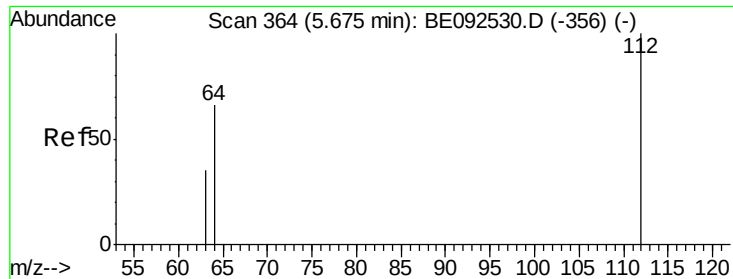


#3

n-Nitrosodimethylamine
Concen: 0.18 ng
RT: 3.97 min Scan# 119
Delta R.T. 0.19 min
Lab File: BE092539.D
Acq: 16 Nov 2016 18:27

Tgt Ion: 42 Resp: 10
Ion Ratio Lower Upper
42 100
74 10.0 86.0 129.0#
44 0.0 5.1 7.7#





#4

2-Fluorophenol

Concen: 9.59 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

Instrument :

BNA_E

ClientSampleId :

PB94687BL

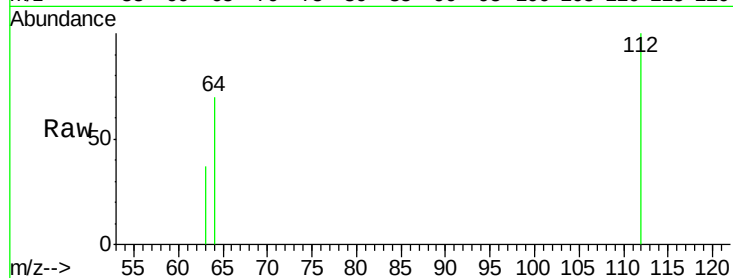
Tgt Ion: 112 Resp: 14315

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): BE092539.D (-312) (-)

10000

Ion 64.00 (63.70 to 64.70): BE092539.D (-312) (-)

8000

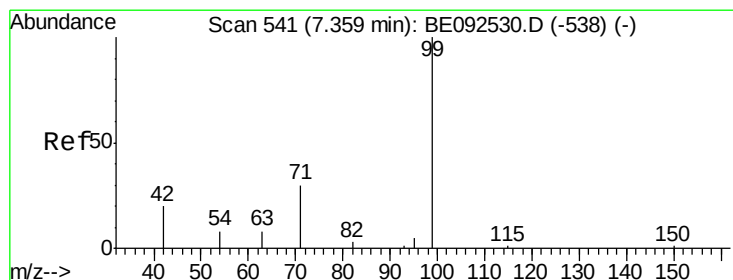
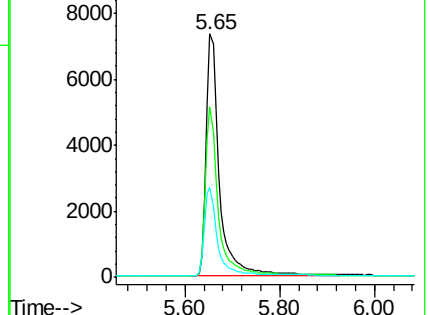
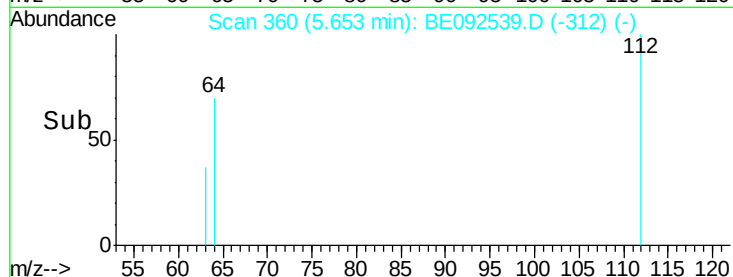
Ion 63.00 (62.70 to 63.70): BE092539.D (-312) (-)

6000

4000

2000

0



#5

Phenol-d6

Concen: 7.27 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.04 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

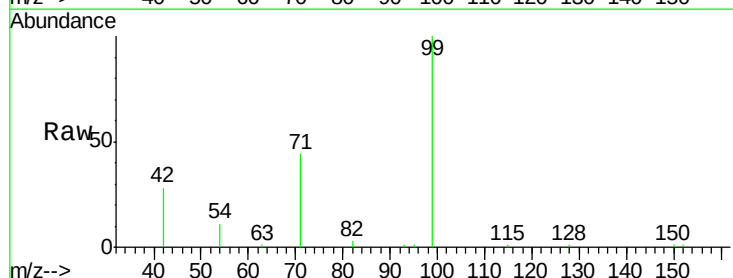
Tgt Ion: 99 Resp: 18077

Ion Ratio Lower Upper

99 100

42 23.8 16.0 24.0

71 34.9 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BE092539.D (-528) (-)

8000

Ion 42.00 (41.70 to 42.70): BE092539.D (-528) (-)

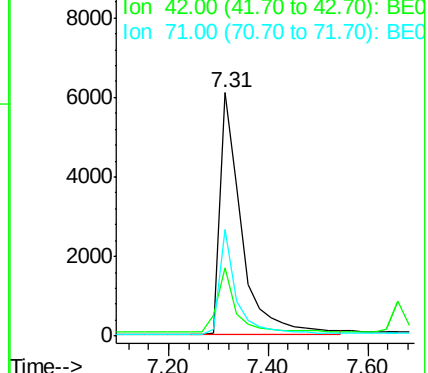
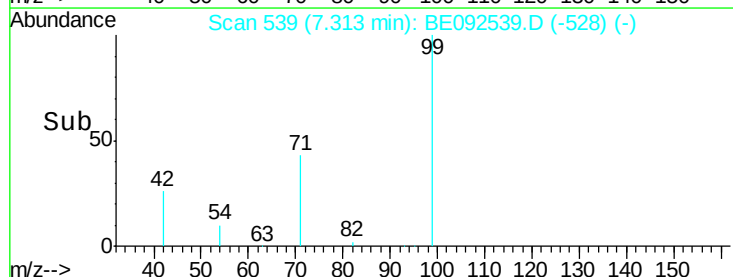
6000

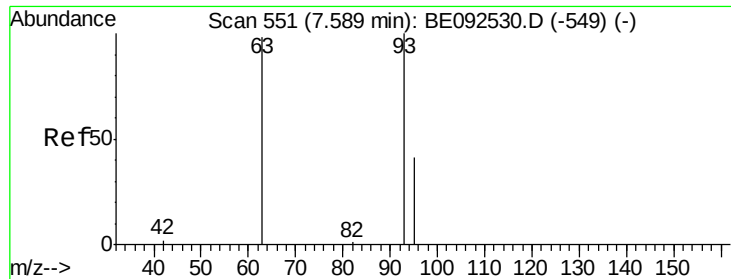
Ion 71.00 (70.70 to 71.70): BE092539.D (-528) (-)

4000

2000

0





#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.50 min Scan# 547

Delta R.T. -0.09 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

Instrument :

BNA_E

ClientSampleId :

PB94687BL

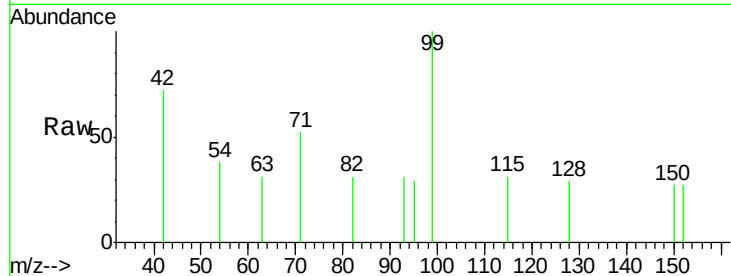
Tgt Ion: 93 Resp: 10

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

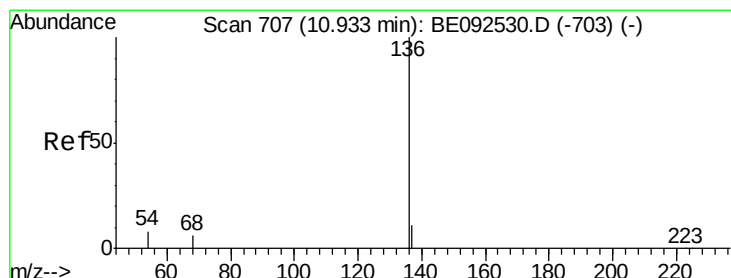
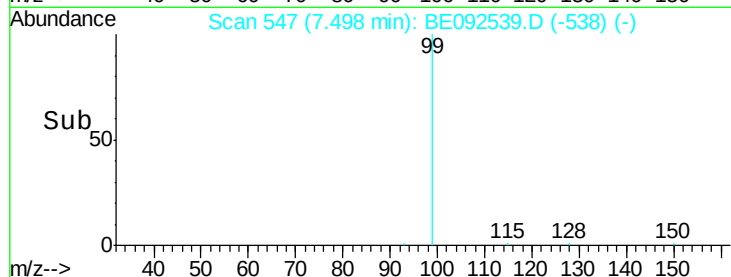
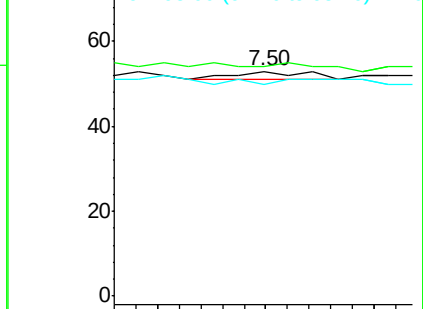
95 0.0 24.0 36.0#



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: BE092539.D

Acq: 16 Nov 2016 18:27

Tgt Ion: 136 Resp: 36974

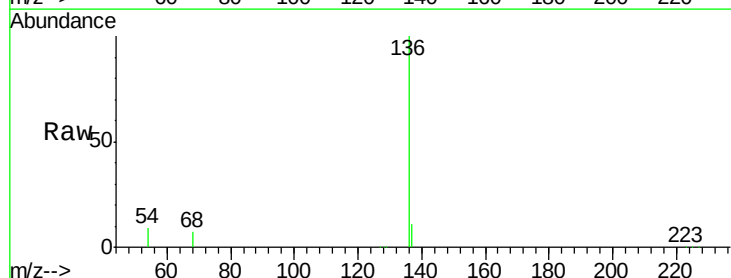
Ion Ratio Lower Upper

136 100

137 10.8 8.2 12.4

54 9.4 9.6 14.4#

68 6.6 6.7 10.1#

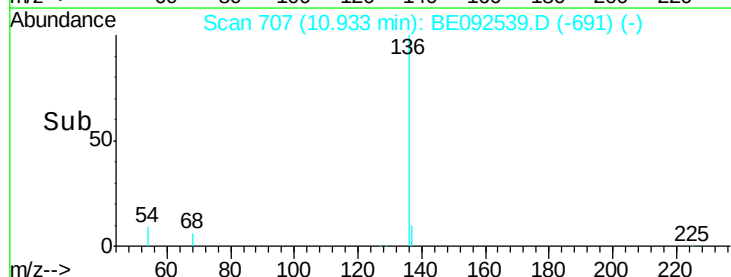
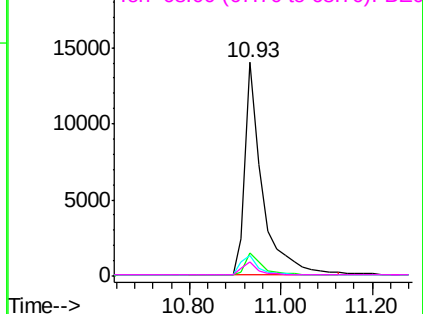


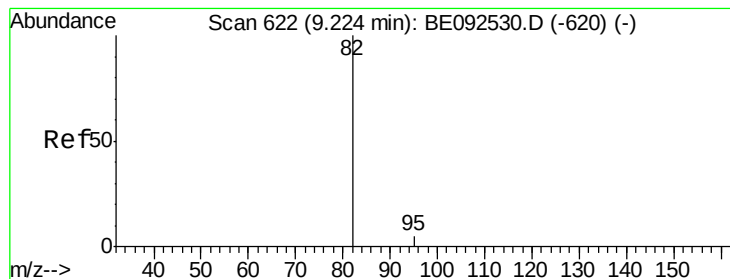
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.36 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

Instrument :

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ClientSampleId :

PB94687BL

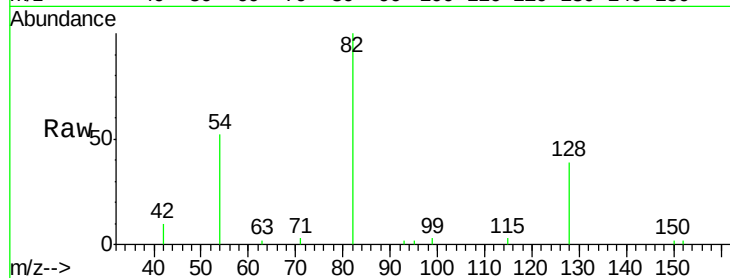
Tgt Ion: 82 Resp: 7989

Ion Ratio Lower Upper

82 100

128 38.9 39.0 58.4#

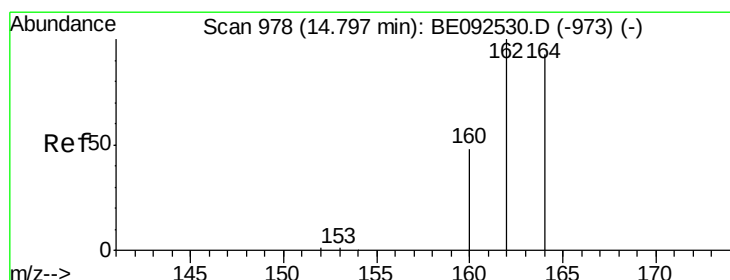
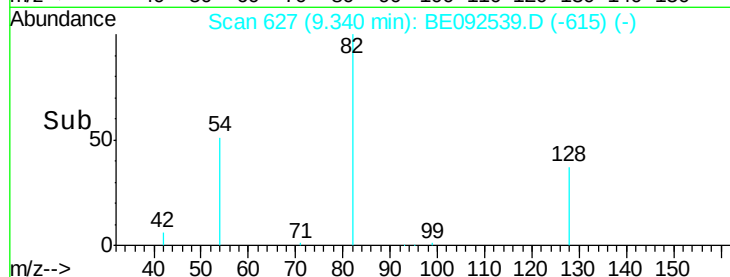
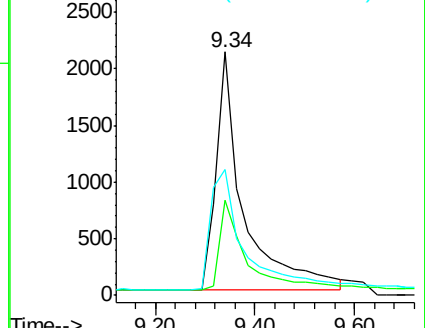
54 51.8 44.8 67.2



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

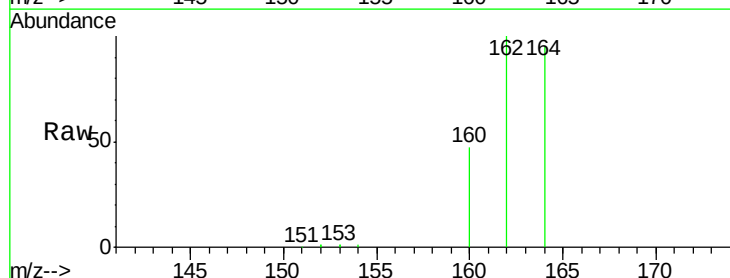
Tgt Ion: 164 Resp: 22329

Ion Ratio Lower Upper

164 100

162 105.7 71.4 107.0

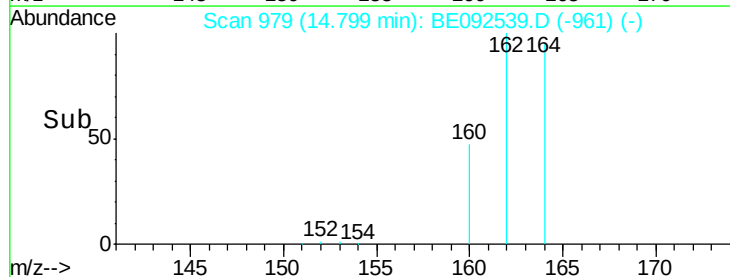
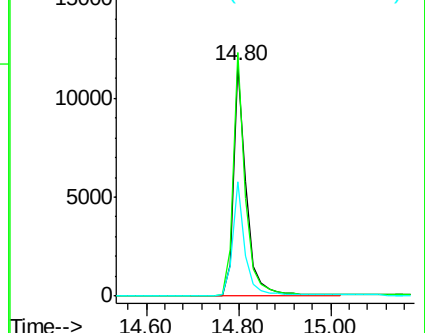
160 49.9 27.4 41.2#

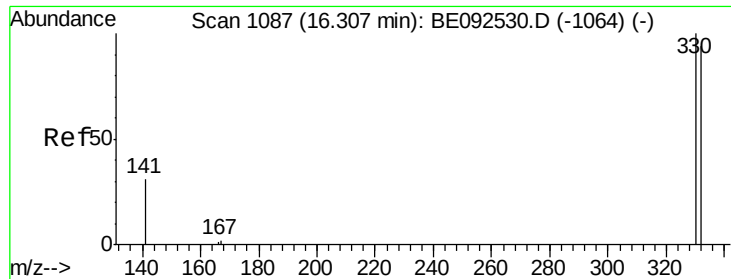


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

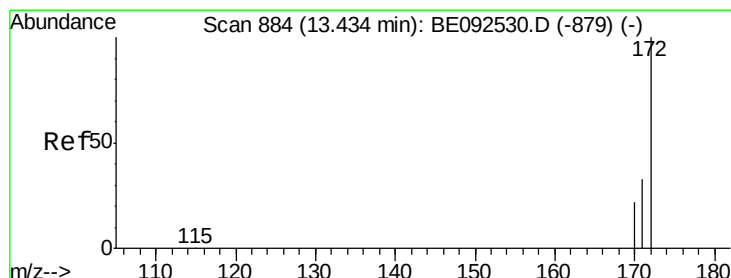
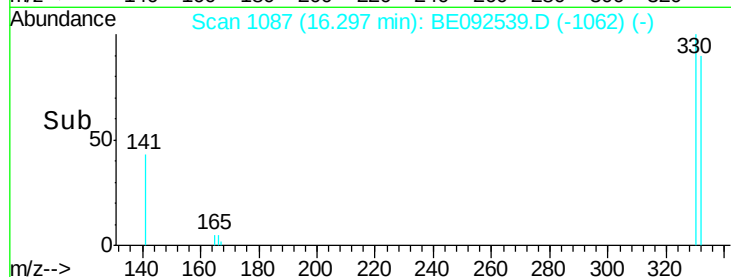
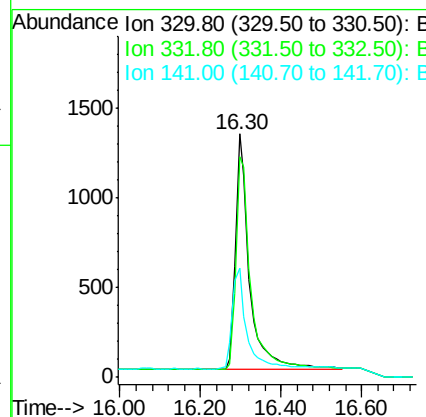
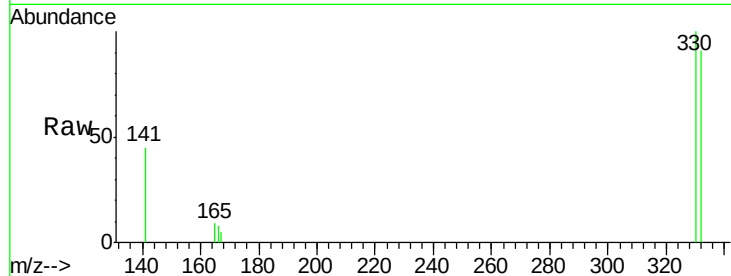




#13
 2,4,6-Tribromophenol
 Concen: 6.44 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092539.D
 Acq: 16 Nov 2016 18:27

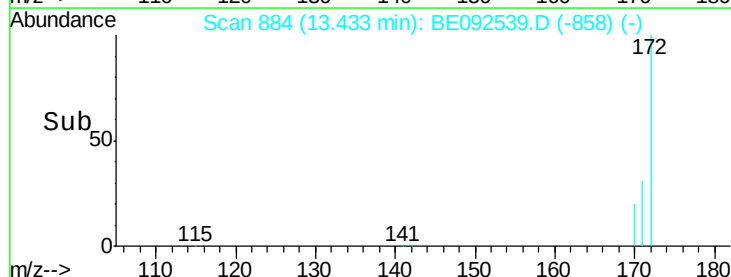
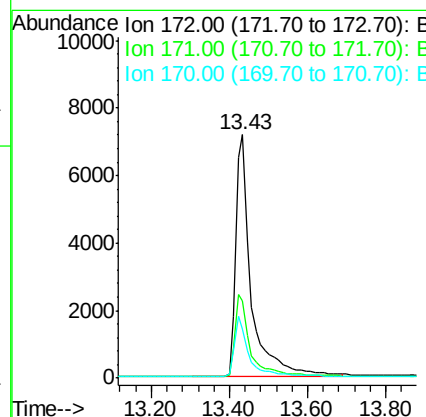
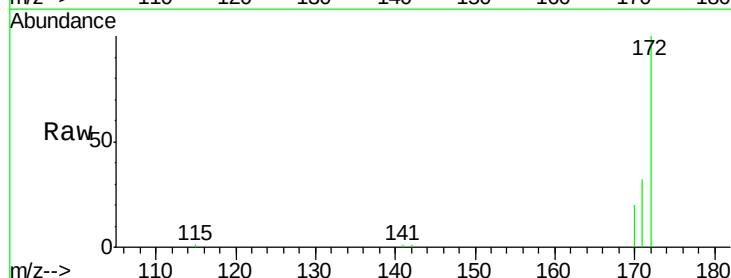
Instrument :
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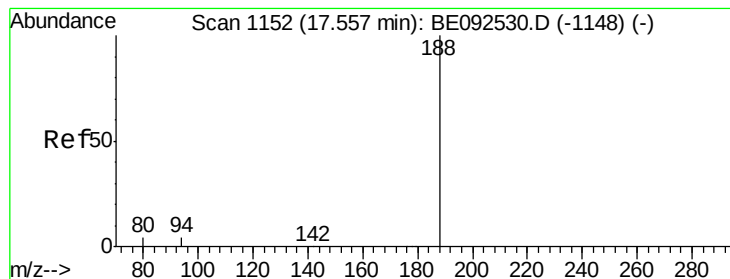
Tgt Ion: 330 Resp: 3225
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.4 113.0
 141 43.3 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 3.66 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: BE092539.D
 Acq: 16 Nov 2016 18:27

Tgt Ion: 172 Resp: 19902
 Ion Ratio Lower Upper
 172 100
 171 31.8 30.1 45.1
 170 20.3 21.8 32.6#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

Instrument :

BNA_E

ClientSampleId :

PB94687BL

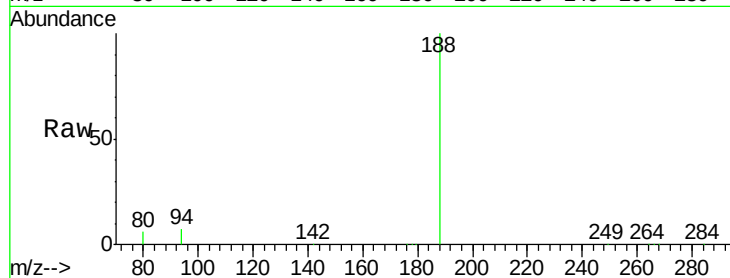
Tgt Ion:188 Resp: 46850

Ion Ratio Lower Upper

188 100

94 6.8 3.2 4.8#

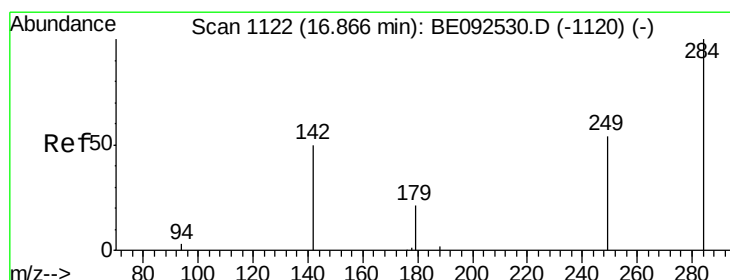
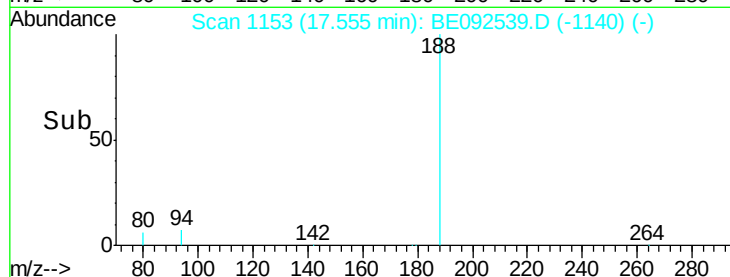
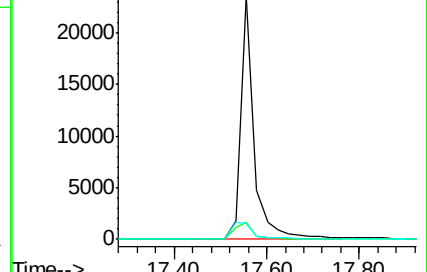
80 6.5 2.6 3.8#



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: 0.19 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

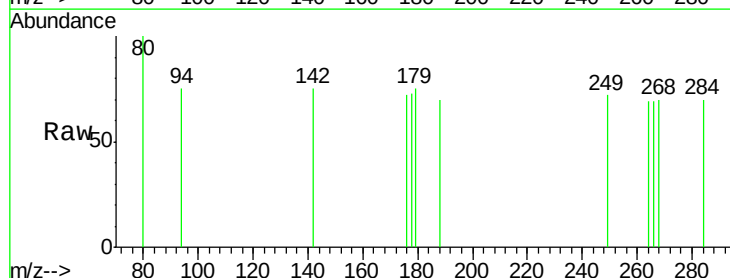
Tgt Ion:284 Resp: 343

Ion Ratio Lower Upper

284 100

142 87.8 29.1 43.7#

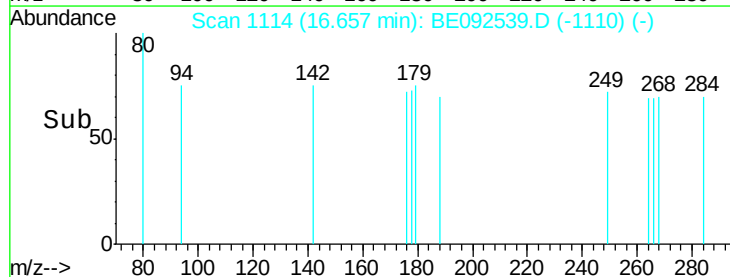
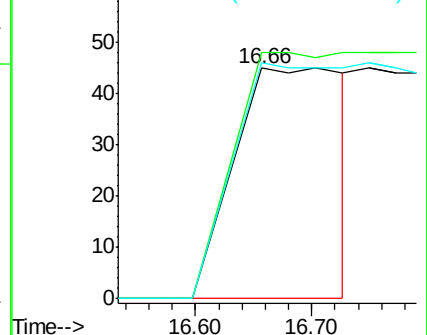
249 83.4 27.9 41.9#

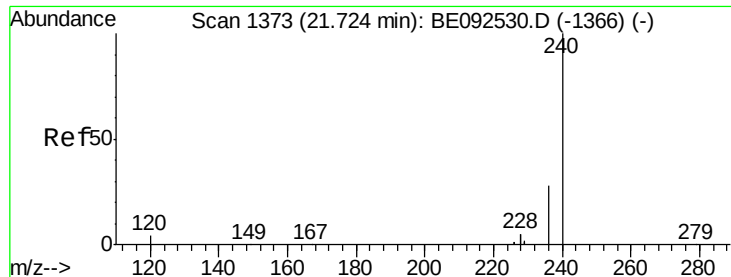


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

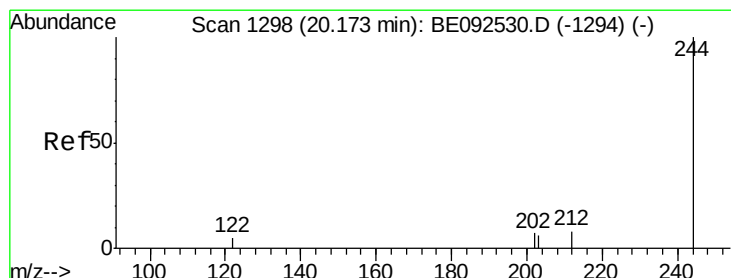
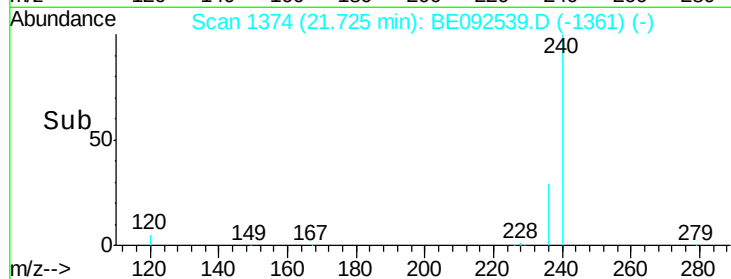
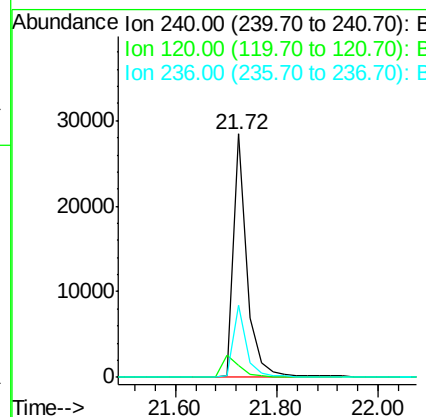
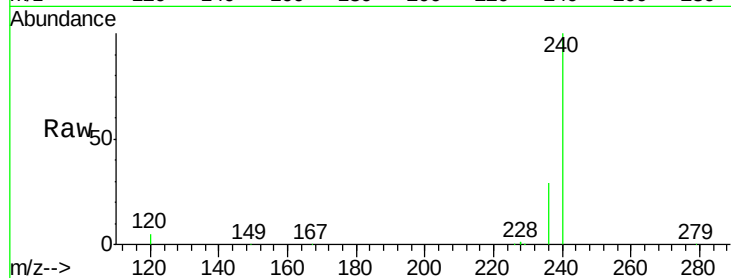




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092539.D
Acq: 16 Nov 2016 18:27

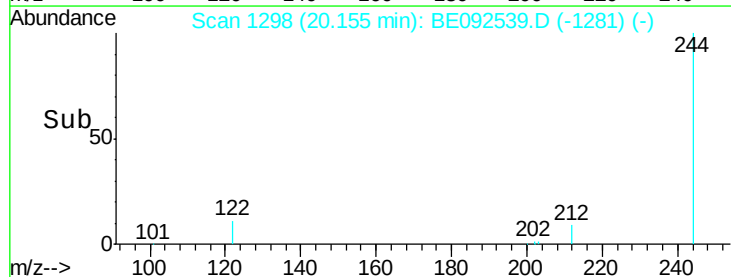
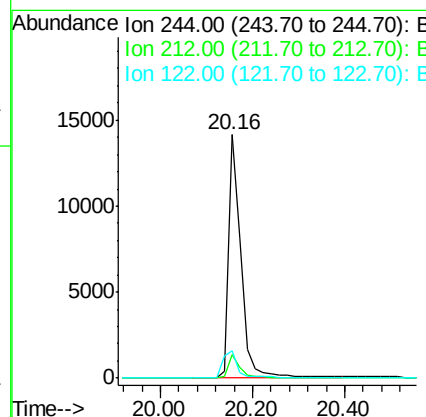
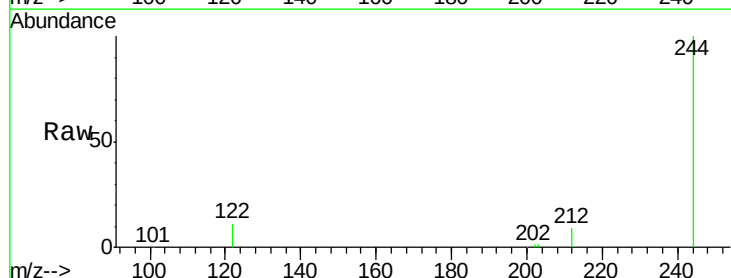
Instrument :
BNA_E
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PB94687BL

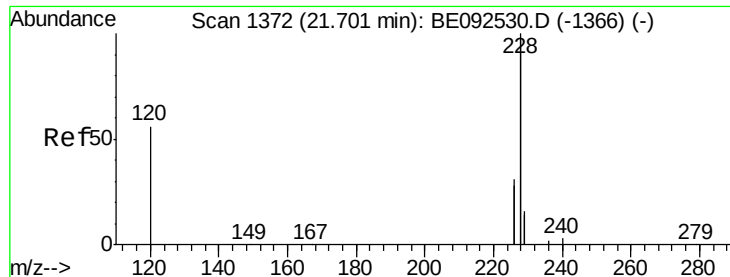
Tgt Ion:240 Resp: 52866
Ion Ratio Lower Upper
240 100
120 4.9 2.6 4.0#
236 29.5 24.6 37.0



#26
Terphenyl-d14
Concen: 4.34 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092539.D
Acq: 16 Nov 2016 18:27

Tgt Ion:244 Resp: 26219
Ion Ratio Lower Upper
244 100
212 9.5 6.7 10.1
122 11.1 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 0.11 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

Instrument :

BNA_E

ClientSampleId :

PB94687BL

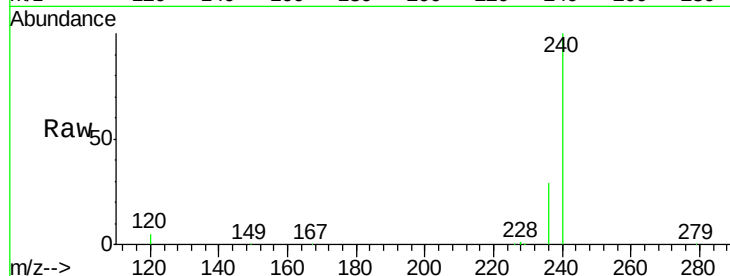
Tgt Ion: 228 Resp: 638

Ion Ratio Lower Upper

228 100

226 41.2 23.6 35.4#

229 56.7 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

21.72

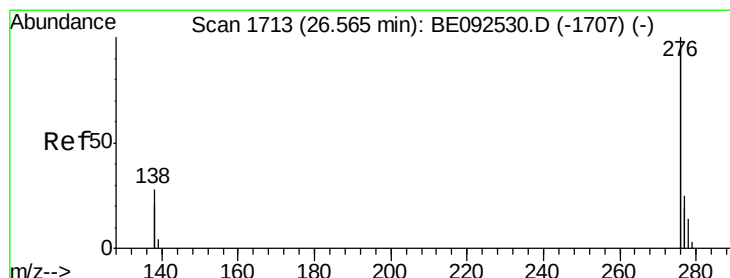
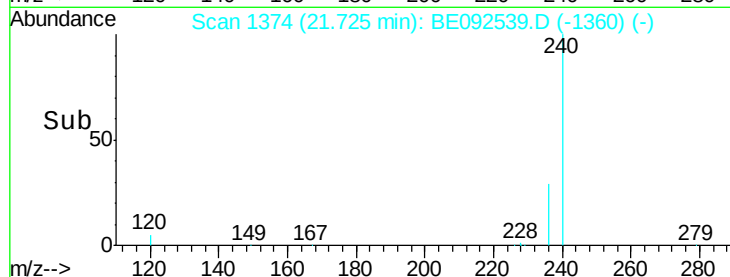
400

200

0

Time-->

21.60 21.80



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.46 min Scan# 1708

Delta R.T. -0.10 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

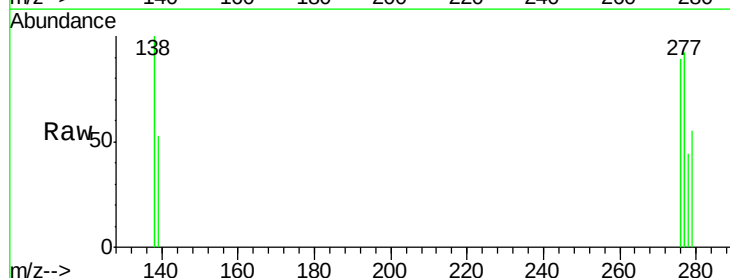
Tgt Ion: 276 Resp: 10

Ion Ratio Lower Upper

276 100

138 250.0 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

26.46

200

150

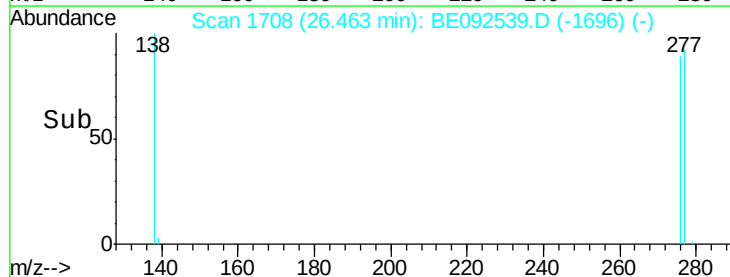
100

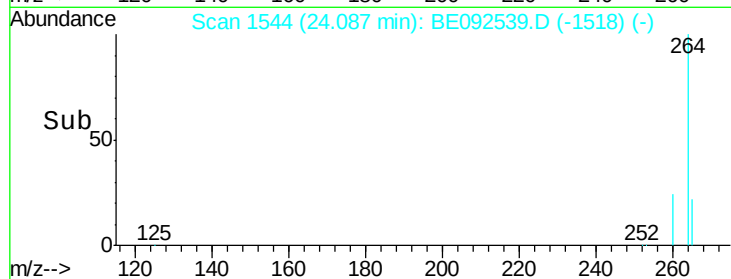
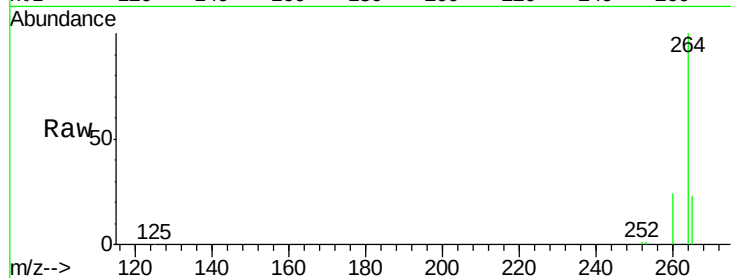
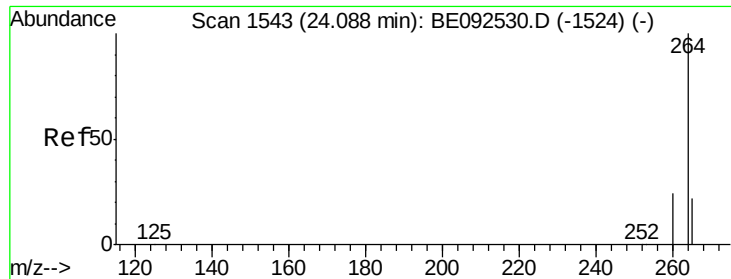
50

0

Time-->

26.40 26.45 26.50





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.09 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BE092539.D

Acq: 16 Nov 2016 18:27

Instrument :

BNA_E

ClientSampleId :

PB94687BL

Tgt Ion: 264 Resp: 50844

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

265 23.0 17.9 26.9

