

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101716\
 Data File : BE092459.D
 Acq On : 17 Oct 2016 19:08
 Operator : UM/SJ
 Sample : PB93716BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93716BL

Quant Time: Oct 18 00:58:18 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

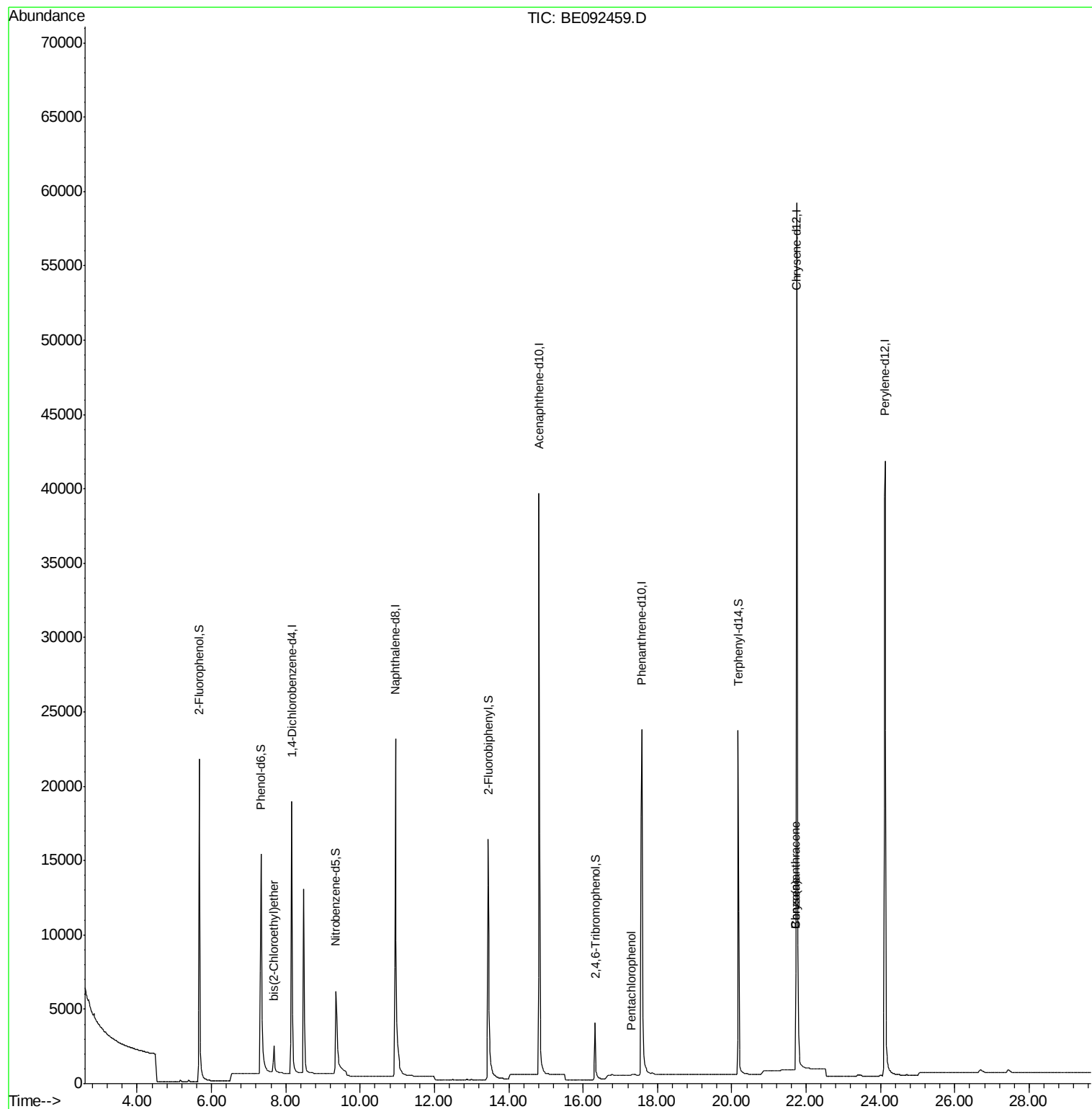
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10705	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	43018	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	28587	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	52582	5.00	ng	0.02
24) Chrysene-d12	21.75	240	74494	5.00	ng	0.00
31) Perylene-d12	24.12	264	68787	5.00	ng	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	19399	7.69	ng	-0.02
5) Phenol-d6	7.34	99	23163	6.44	ng	-0.02
8) Nitrobenzene-d5	9.34	82	9602	3.16	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	3775	3.81	ng	0.00
14) 2-Fluorobiphenyl	13.44	172	25395	3.75	ng	0.00
26) Terphenyl-d14	20.17	244	32882	3.56	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.42	88	14	Below Cal	#	19
6) bis(2-Chloroethyl)ether	7.68	93	41	0.11 ng	#	1
20) Pentachlorophenol	17.30	266	6	0.18 ng	#	73
27) Benzo(a)anthracene	21.72	228	1810	0.02 ng	#	57
28) Chrysene	21.72	228	1834	0.03 ng	#	81

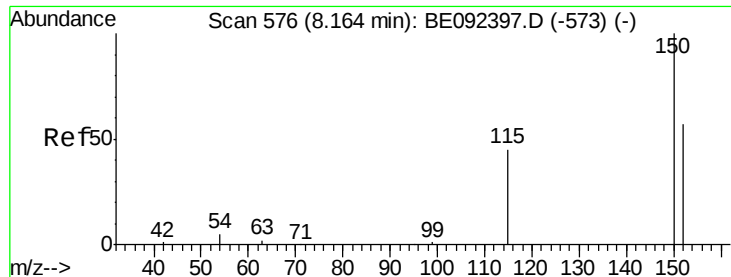
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092459.D

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Instrument :

BNA_E

ClientSampleId :

PB93716BL

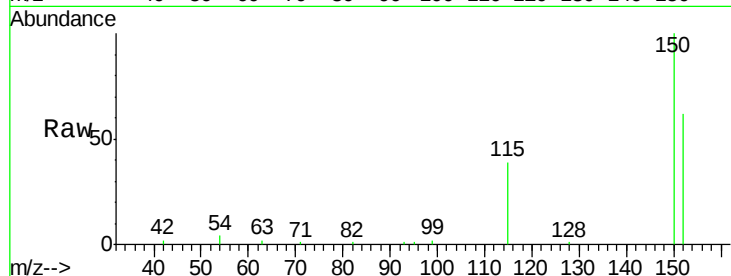
Tgt Ion:152 Resp: 10705

Ion Ratio Lower Upper

152 100

150 160.1 106.0 159.0#

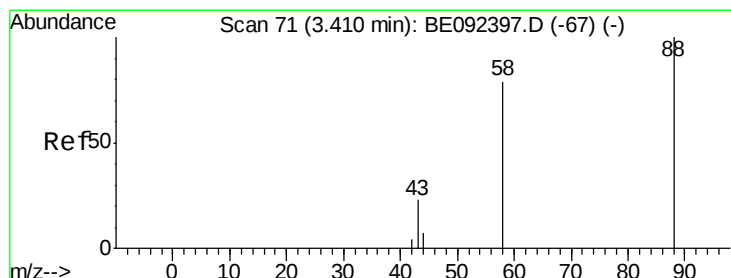
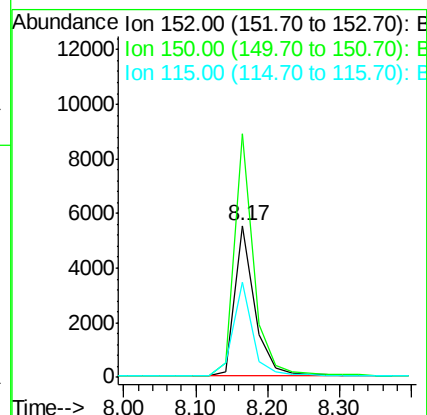
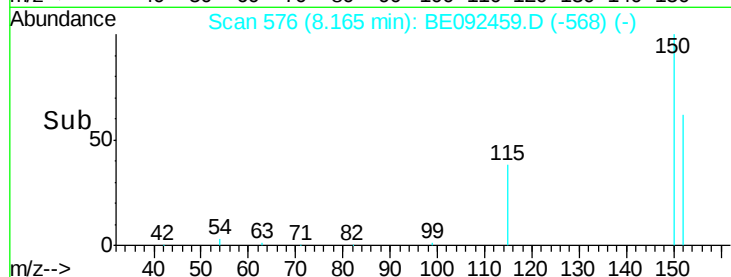
115 62.1 31.2 46.8#



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: 3.42 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

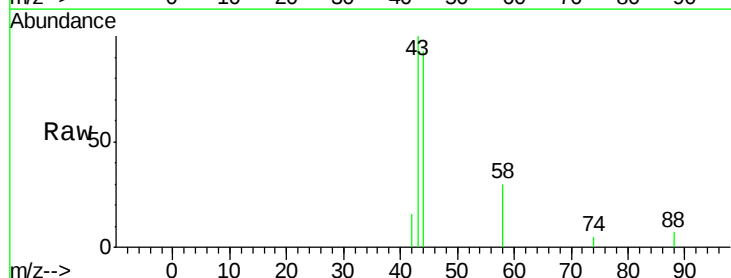
Tgt Ion: 88 Resp: 14

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

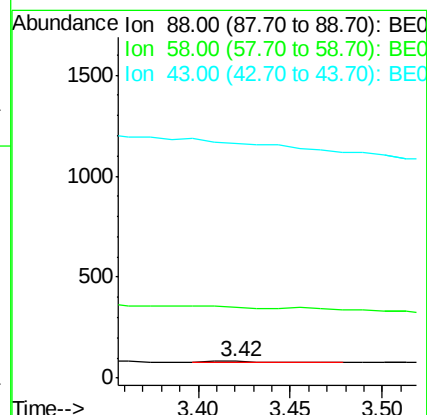
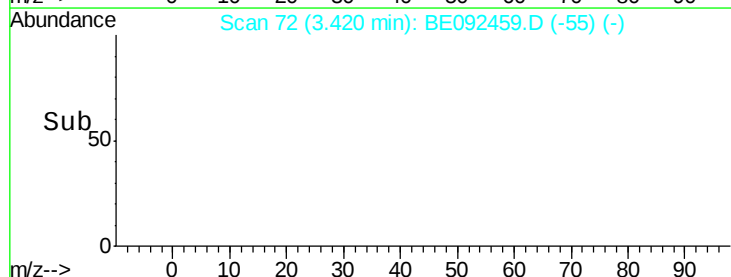
43 0.0 28.0 42.0#

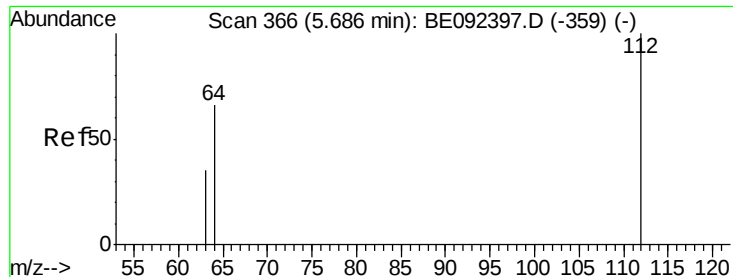


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 7.69 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

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PB93716BL

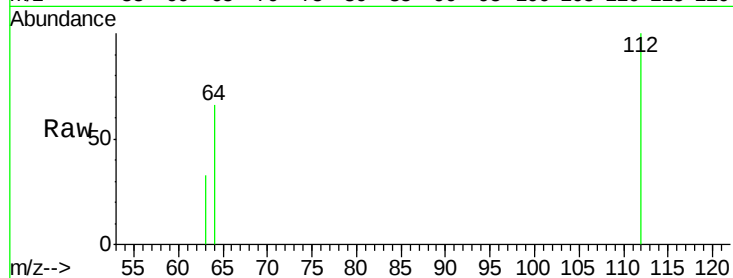
Tgt Ion: 112 Resp: 19399

Ion Ratio Lower Upper

112 100

64 67.7 53.5 80.3

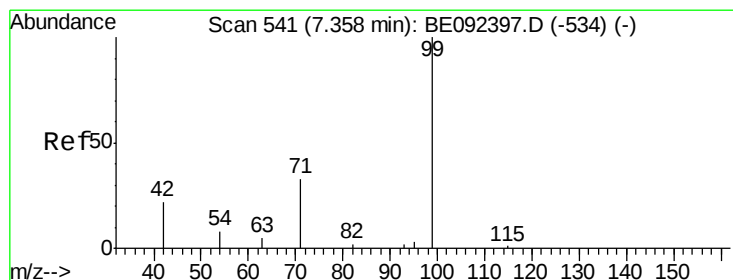
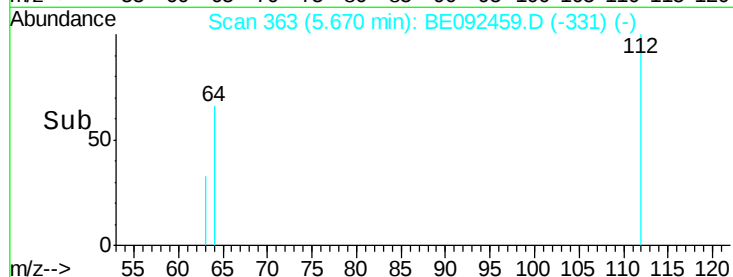
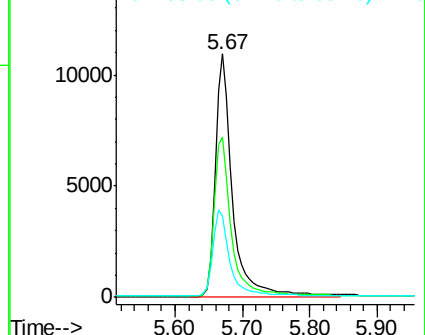
63 36.2 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE092397.D (-359) (-)

Ion 64.00 (63.70 to 64.70): BE092397.D (-359) (-)

Ion 63.00 (62.70 to 63.70): BE092397.D (-359) (-)



#5

Phenol-d6

Concen: 6.44 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

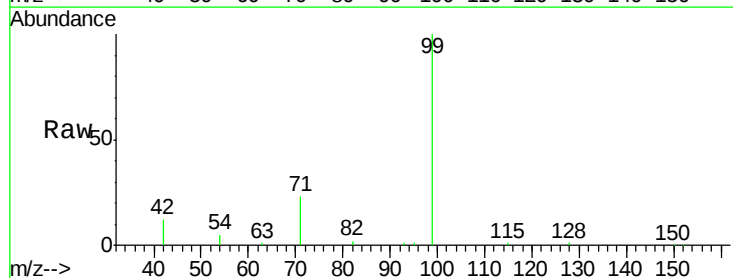
Tgt Ion: 99 Resp: 23163

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

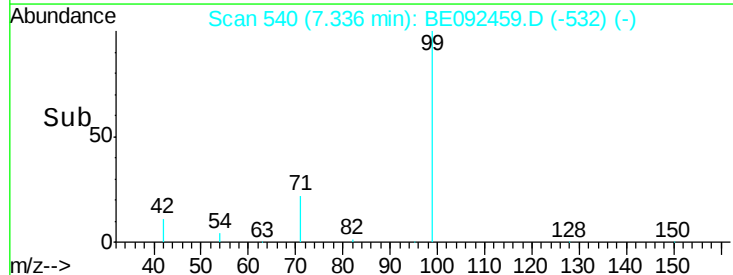
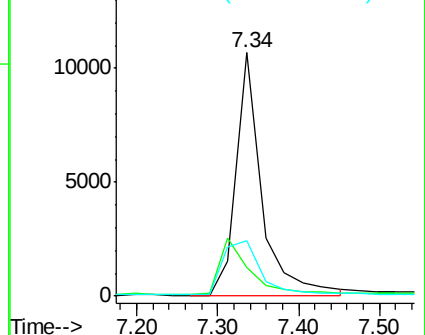
71 34.0 30.6 45.8

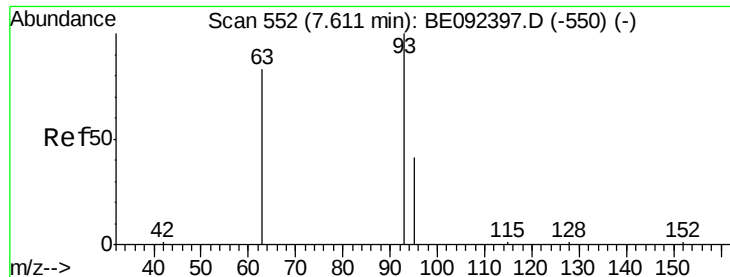


Abundance Ion 99.00 (98.70 to 99.70): BE092397.D (-534) (-)

Ion 42.00 (41.70 to 42.70): BE092397.D (-534) (-)

Ion 71.00 (70.70 to 71.70): BE092397.D (-534) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.11 ng

RT: 7.68 min Scan# 555

Delta R.T. 0.07 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

Instrument :

BNA_E

ClientSampleId :

PB93716BL

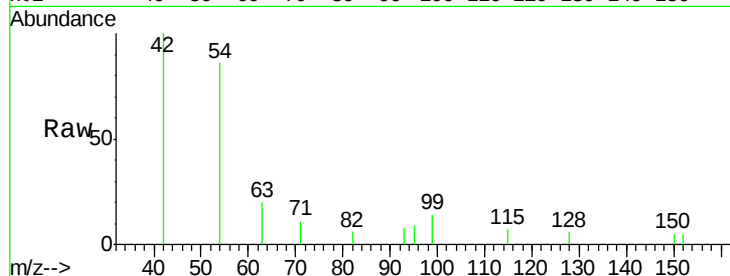
Tgt Ion: 93 Resp: 41

Ion Ratio Lower Upper

93 100

63 597.6 71.6 107.4#

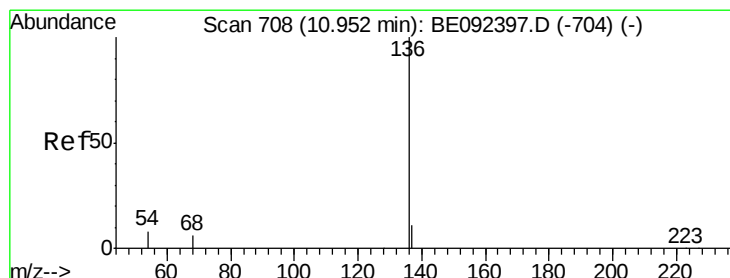
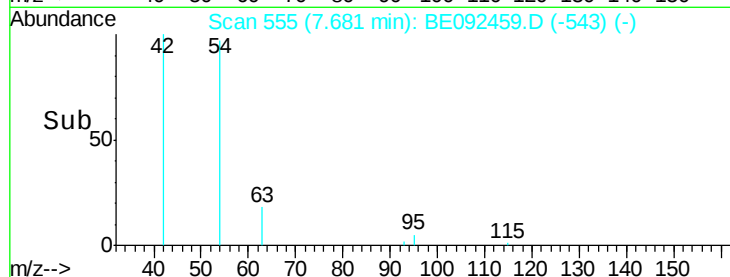
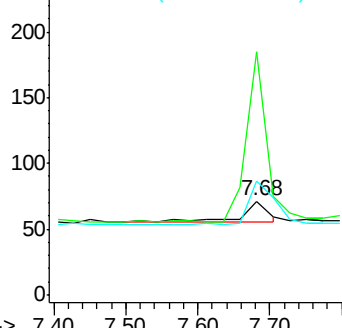
95 192.7 24.0 36.0#



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: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

Tgt Ion: 136 Resp: 43018

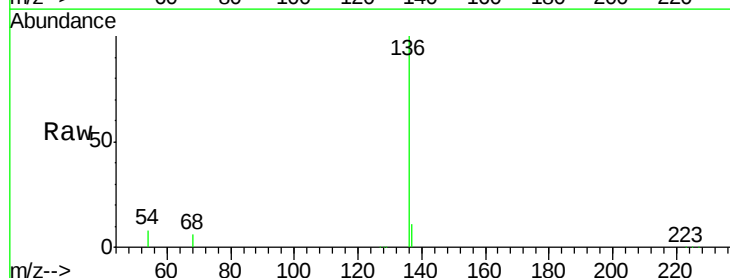
Ion Ratio Lower Upper

136 100

137 11.1 8.2 12.4

54 8.0 9.6 14.4#

68 5.9 6.7 10.1#

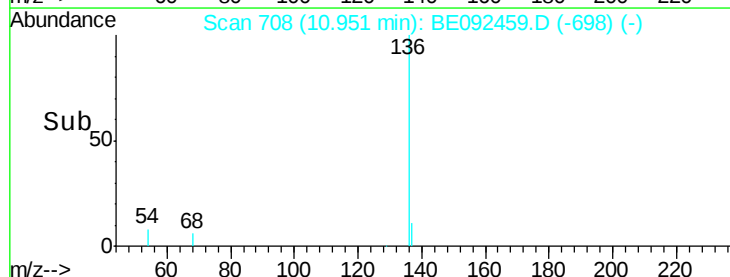
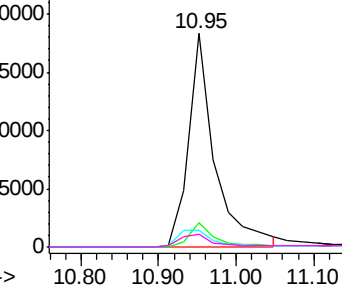


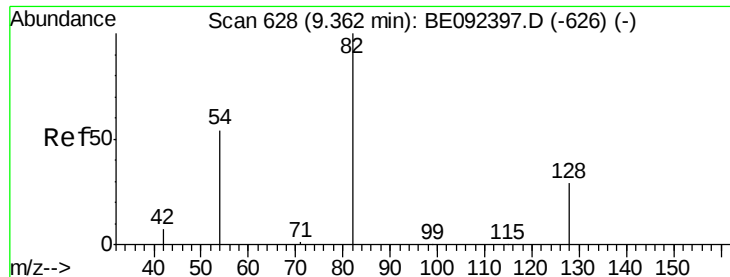
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.16 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

Instrument :

BNA_E

ClientSampleId :

PB93716BL

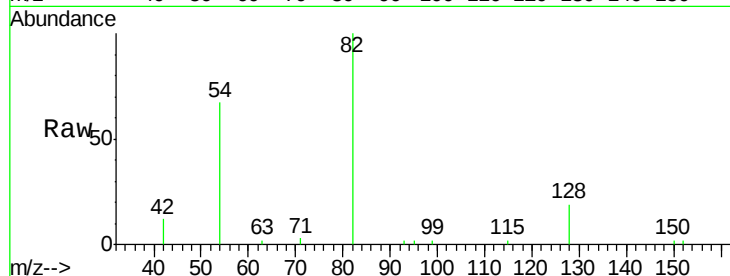
Tgt Ion: 82 Resp: 9602

Ion Ratio Lower Upper

82 100

128 19.5 39.0 58.4#

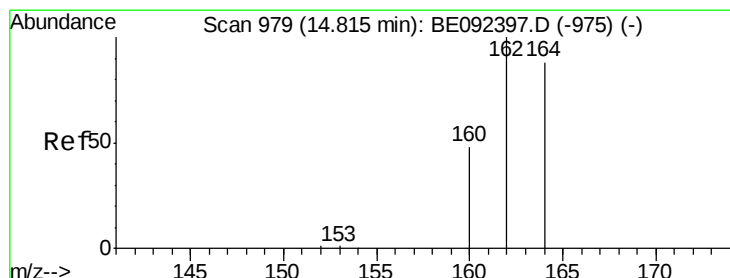
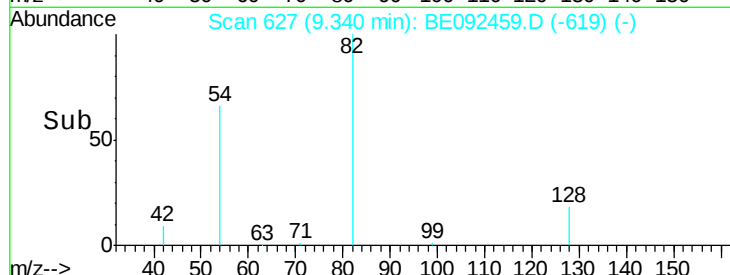
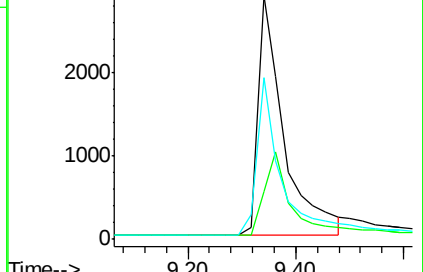
54 66.6 44.8 67.2



Abundance Ion 82.00 (81.70 to 82.70): BE092397.D (-626) (-)

Ion 128.00 (127.70 to 128.70): BE092397.D (-626) (-)

Ion 54.00 (53.70 to 54.70): BE092397.D (-626) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

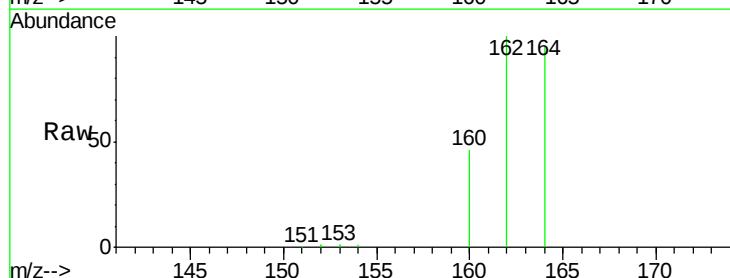
Tgt Ion: 164 Resp: 28587

Ion Ratio Lower Upper

164 100

162 105.4 71.4 107.0

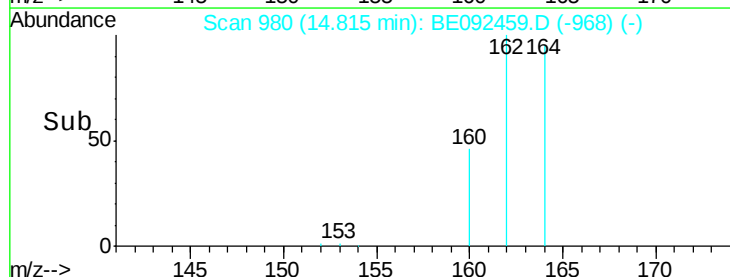
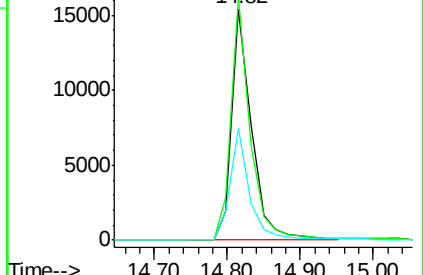
160 48.6 27.4 41.2#

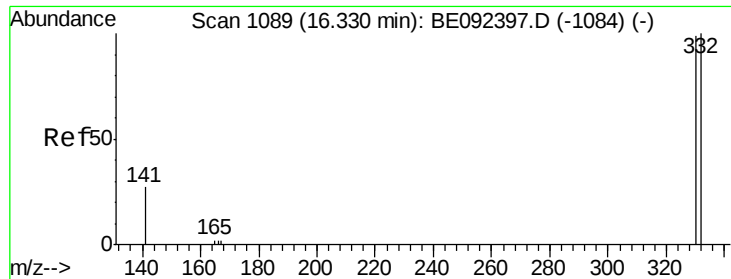


Abundance Ion 164.00 (163.70 to 164.70): BE092397.D (-975) (-)

Ion 162.00 (161.70 to 162.70): BE092397.D (-975) (-)

Ion 160.00 (159.70 to 160.70): BE092397.D (-975) (-)

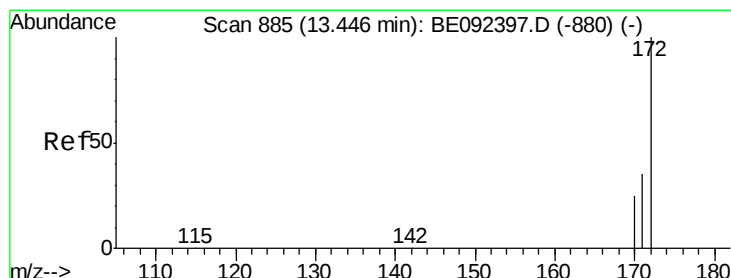
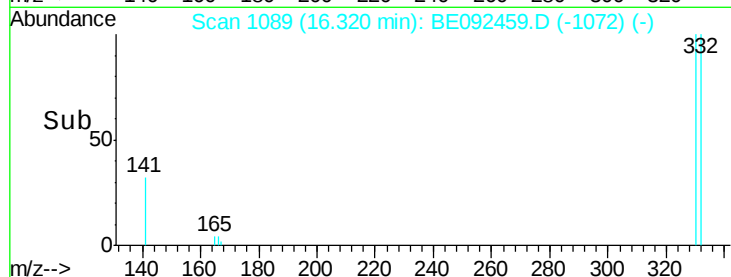
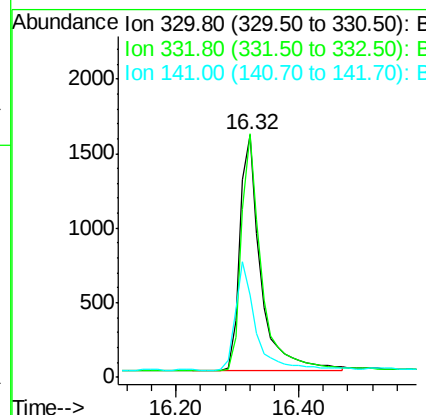
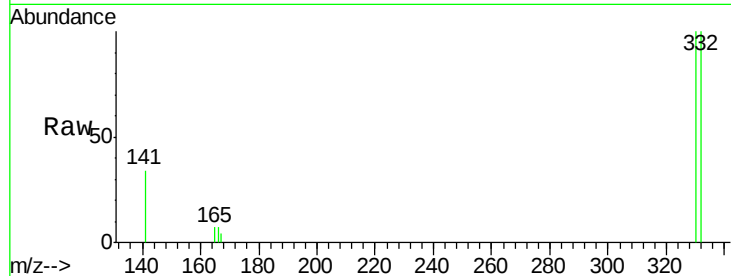




#13
 2,4,6-Tribromophenol
 Concen: 3.81 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092459.D
 Acq: 17 Oct 2016 19:08

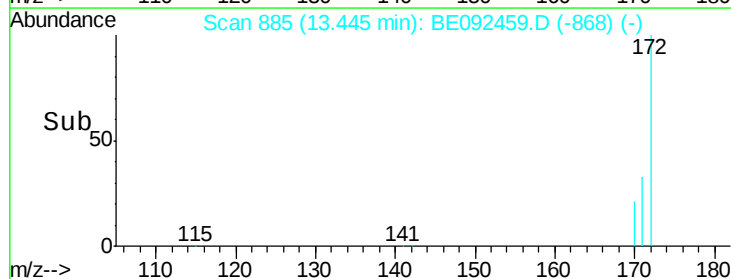
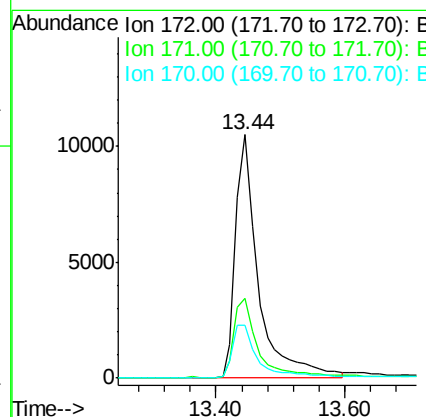
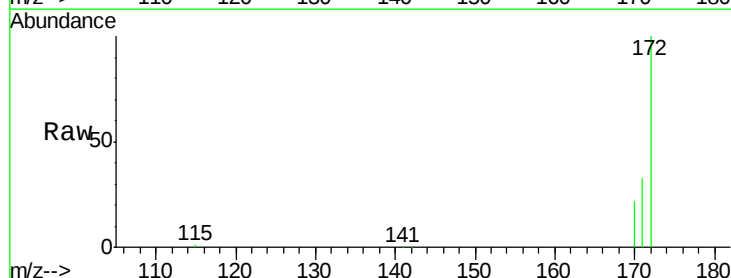
Instrument :
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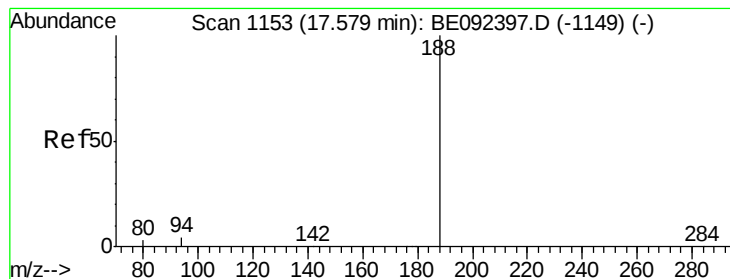
Tgt Ion:330 Resp: 3775
 Ion Ratio Lower Upper
 330 100
 332 97.4 75.4 113.0
 141 44.1 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 3.75 ng
 RT: 13.44 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BE092459.D
 Acq: 17 Oct 2016 19:08

Tgt Ion:172 Resp: 25395
 Ion Ratio Lower Upper
 172 100
 171 32.8 30.1 45.1
 170 21.6 21.8 32.6#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

Instrument :

BNA_E

ClientSampleId :

PB93716BL

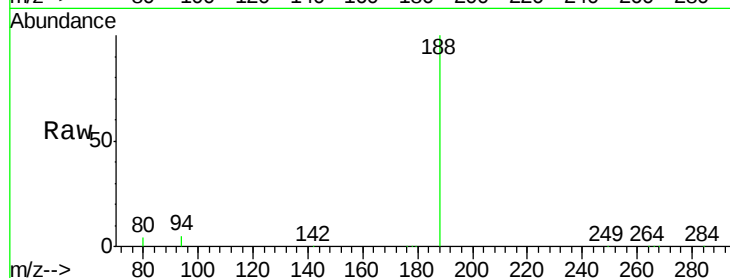
Tgt Ion:188 Resp: 52582

Ion Ratio Lower Upper

188 100

94 4.8 3.2 4.8#

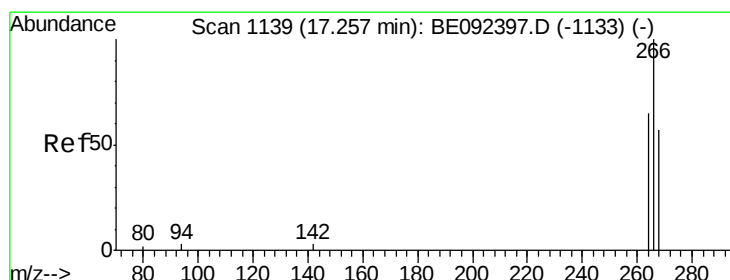
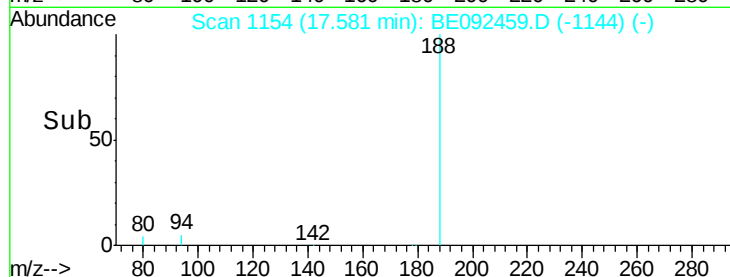
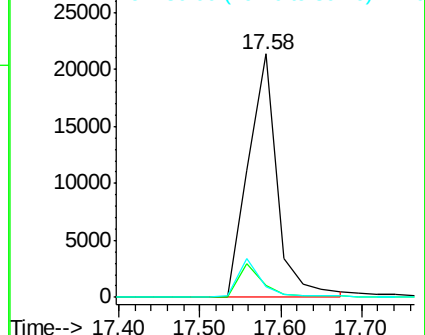
80 4.4 2.6 3.8#



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



#20

Pentachlorophenol

Concen: 0.18 ng

RT: 17.30 min Scan# 1142

Delta R.T. 0.05 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

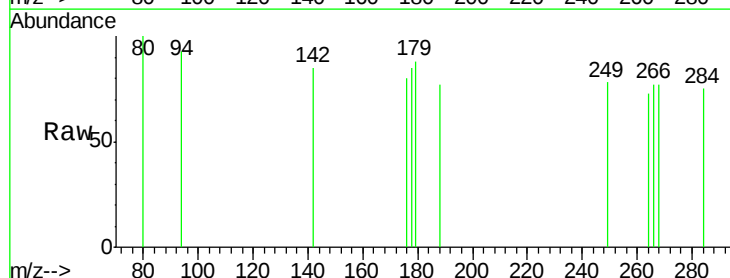
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

268 100.0 62.5 93.7#

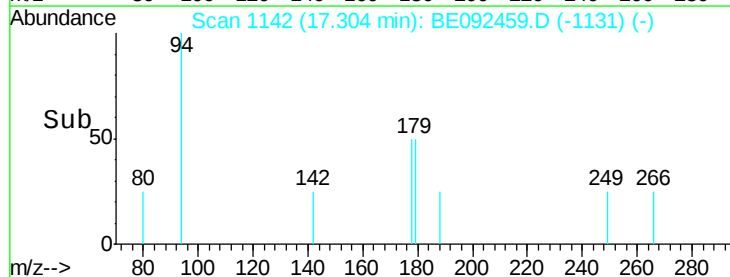
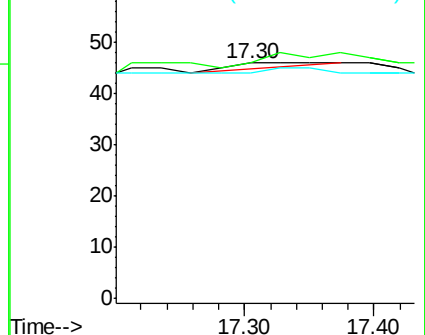
264 95.7 57.2 85.8#

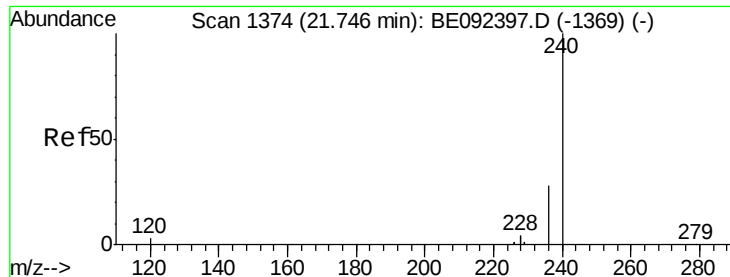


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

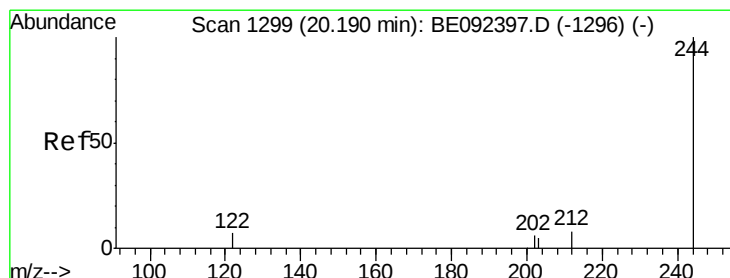
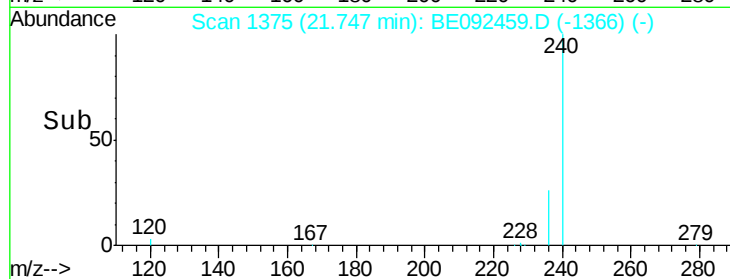
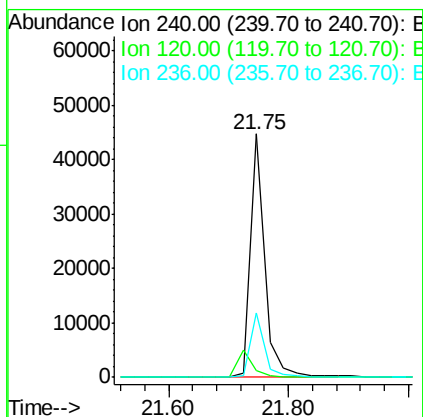
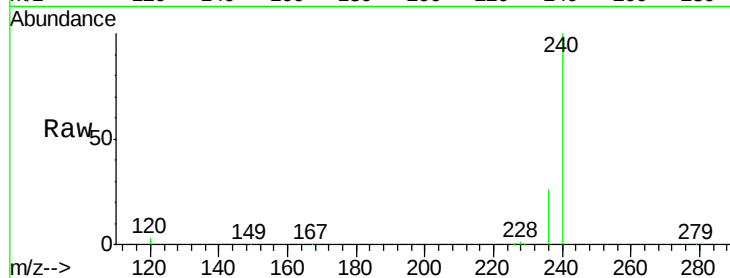




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092459.D
Acq: 17 Oct 2016 19:08

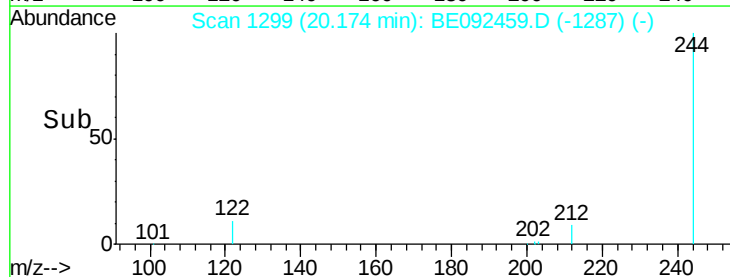
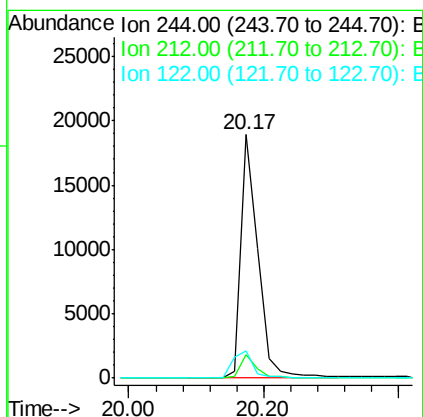
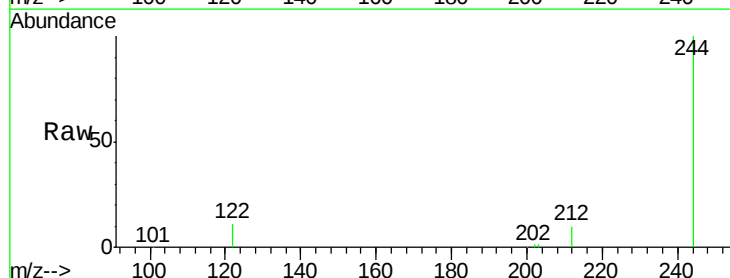
Instrument :
BNA_E
ClientSampleId :
PB93716BL

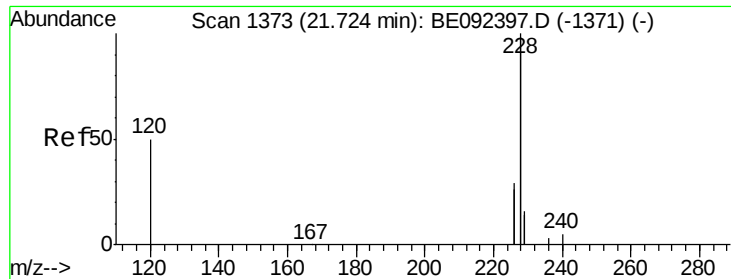
Tgt Ion:240 Resp: 74494
Ion Ratio Lower Upper
240 100
120 3.0 2.6 4.0
236 26.4 24.6 37.0



#26
Terphenyl-d14
Concen: 3.56 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092459.D
Acq: 17 Oct 2016 19:08

Tgt Ion:244 Resp: 32882
Ion Ratio Lower Upper
244 100
212 9.6 6.7 10.1
122 11.3 3.6 5.4#

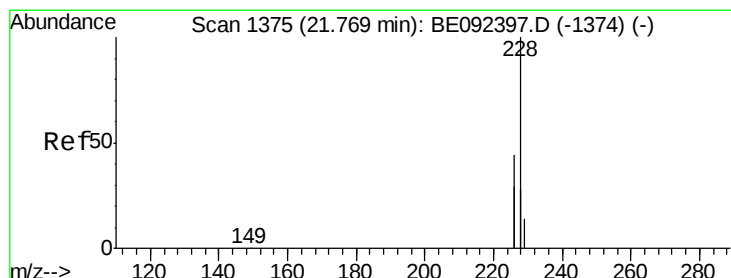
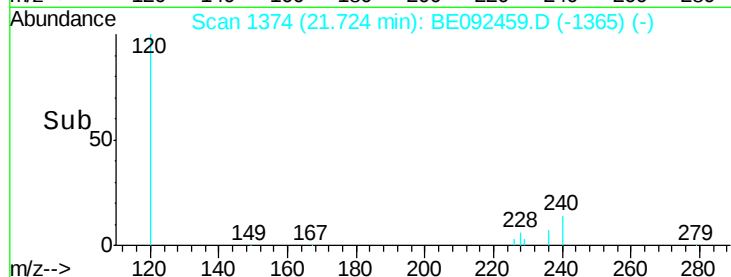
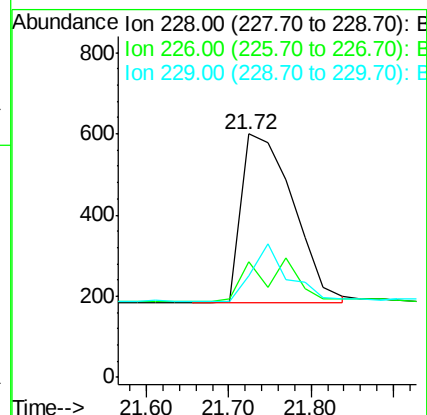
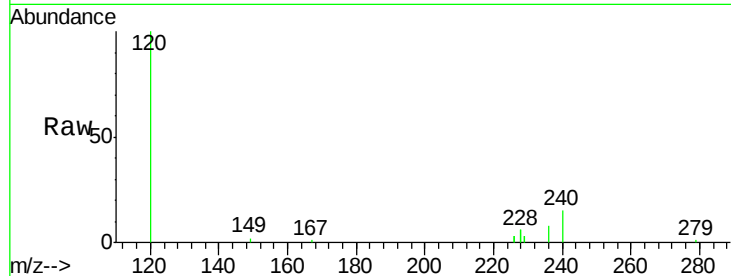




#27
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092459.D
Acq: 17 Oct 2016 19:08

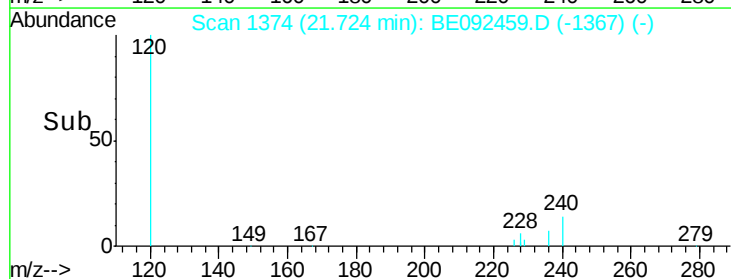
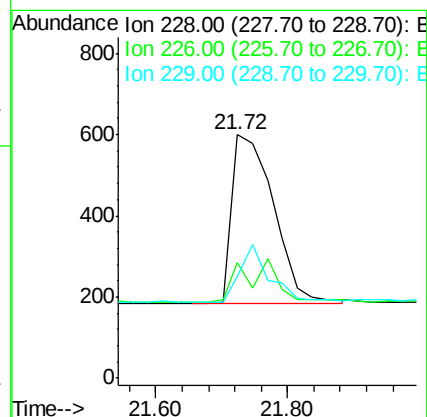
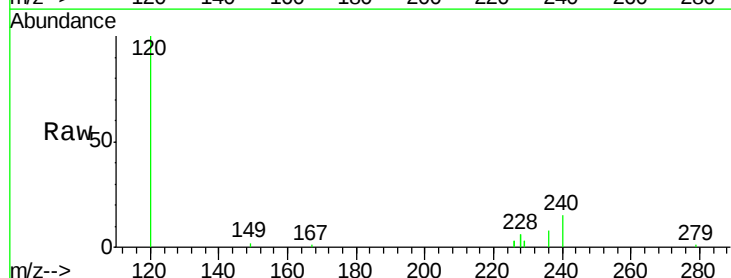
Instrument :
BNA_E
ClientSampleId :
PB93716BL

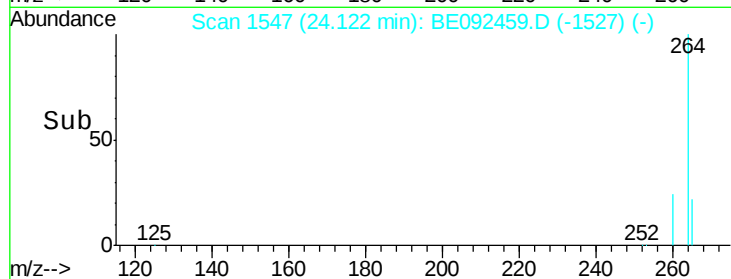
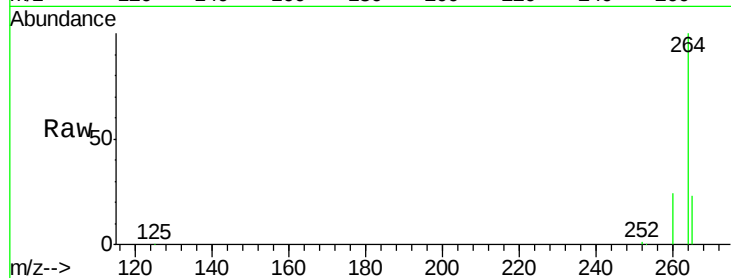
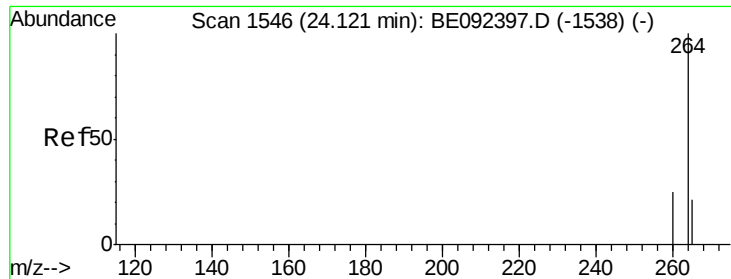
Tgt Ion:228 Resp: 1810
Ion Ratio Lower Upper
228 100
226 47.7 23.6 35.4#
229 41.7 13.3 19.9#



#28
Chrysene
Concen: 0.03 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.04 min
Lab File: BE092459.D
Acq: 17 Oct 2016 19:08

Tgt Ion:228 Resp: 1834
Ion Ratio Lower Upper
228 100
226 47.7 36.3 54.5
229 41.7 10.6 16.0#





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.12 min Scan# 1547

Delta R.T. 0.04 min

Lab File: BE092459.D

Acq: 17 Oct 2016 19:08

Instrument :

BNA_E

ClientSampleId :

PB93716BL

Tgt Ion: 264 Resp: 68787

Ion Ratio Lower Upper

264 100

260 23.9 20.1 30.1

265 22.7 17.9 26.9

