

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030717\
 Data File : BE092807.D
 Acq On : 7 Mar 2017 12:41
 Operator : SJ/MA
 Sample : PB97375BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB97375BL

Quant Time: Mar 07 13:13:50 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 06 15:46:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	10164	5.00	ng	-0.02
7) Naphthalene-d8	10.88	136	40297	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	19754	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	45132	5.00	ng	0.00
24) Chrysene-d12	21.68	240	59221	5.00	ng	-0.02
31) Perylene-d12	24.01	264	40551	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.59	112	18095	8.41	ng	-0.04
5) Phenol-d6	7.27	99	19958	7.79	ng	-0.05
8) Nitrobenzene-d5	9.27	82	9219	3.74	ng	-0.05
13) 2,4,6-Tribromophenol	16.26	330	3536	6.80	ng	-0.02
14) 2-Fluorobiphenyl	13.38	172	21013	4.51	ng	-0.02
26) Terphenyl-d14	20.12	244	29028	4.06	ng	-0.02

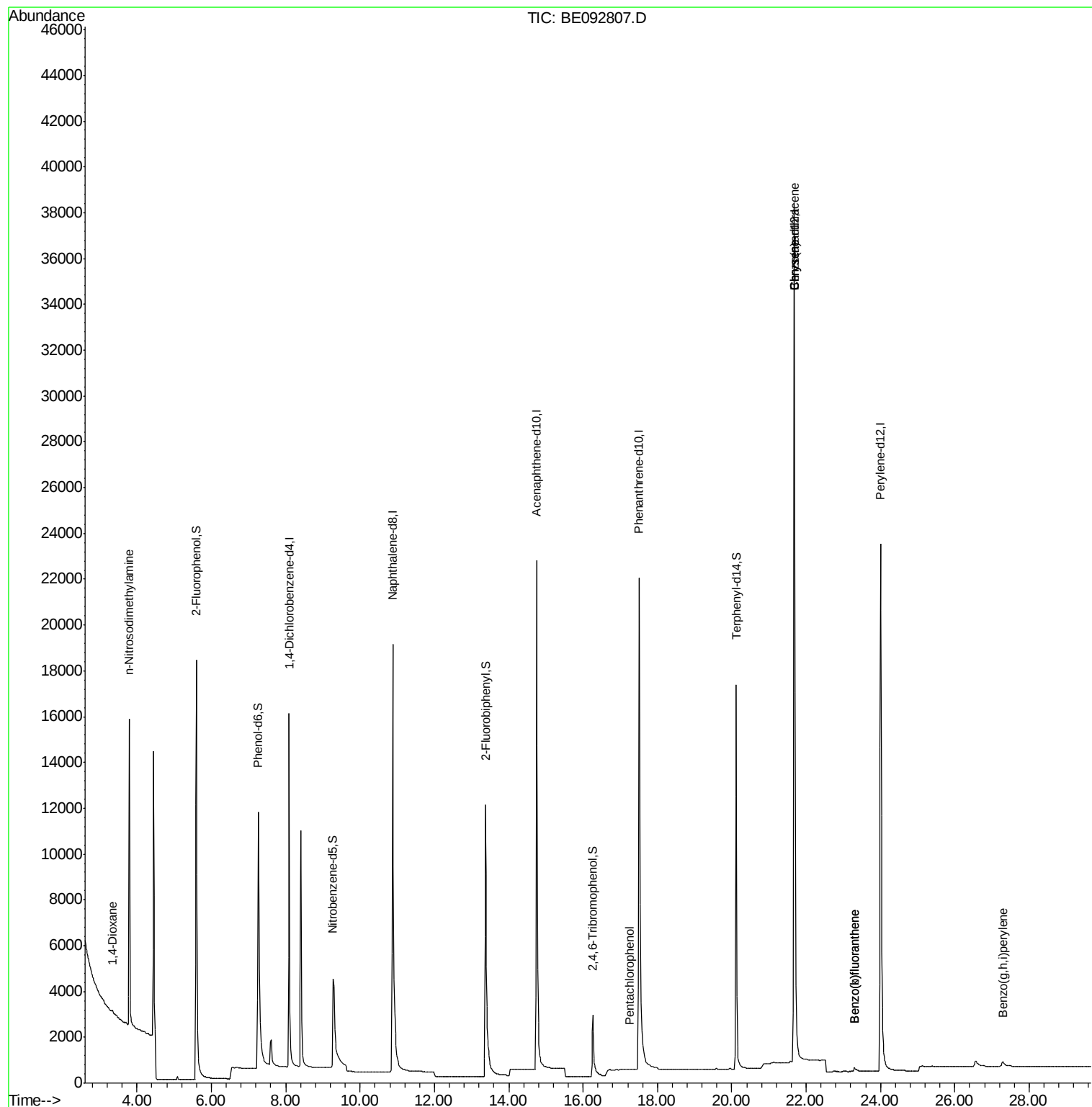
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	273	0.11	ng	# 1
3) n-Nitrosodimethylamine	3.78	42	680	0.40	ng	# 1
20) Pentachlorophenol	17.26	266	11	0.10	ng	# 72
27) Benzo(a)anthracene	21.68	228	1570	0.09	ng	# 68
28) Chrysene	21.68	228	1584	0.03	ng	# 70
32) Benzo(b)fluoranthene	23.30	252	316	0.03	ng	# 15
33) Benzo(k)fluoranthene	23.30	252	316	0.03	ng	# 18
36) Benzo(g,h,i)perylene	27.30	276	861	0.02	ng	# 7

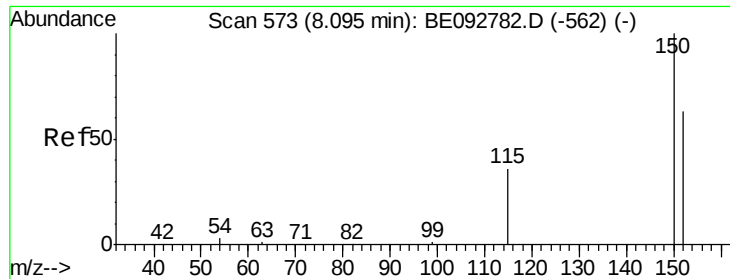
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.09 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

Instrument :

BNA_E

ClientSampleId :

PB97375BL

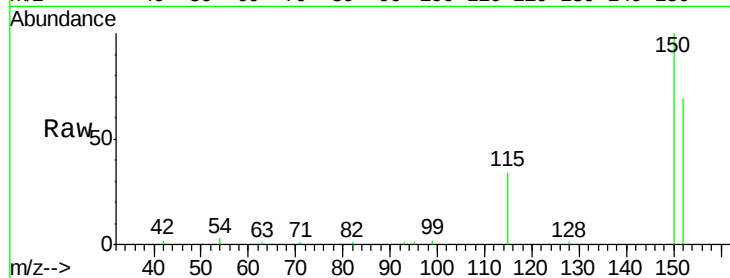
Tgt Ion:152 Resp: 10164

Ion Ratio Lower Upper

152 100

150 145.9 106.0 159.0

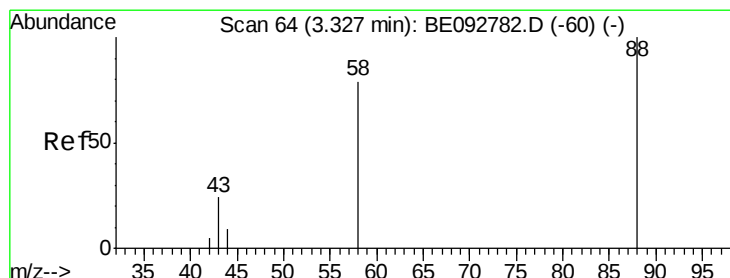
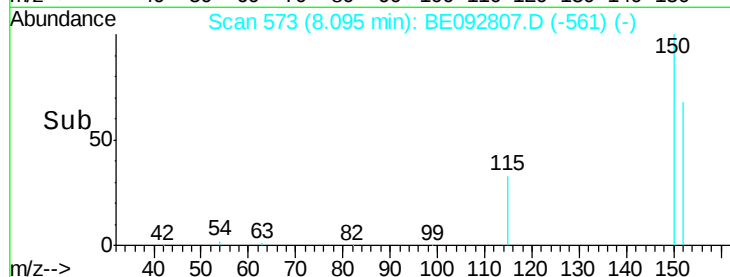
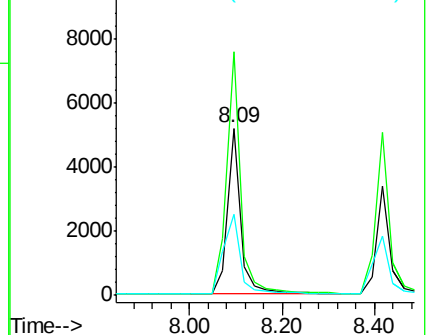
115 48.9 31.2 46.8#



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: 0.11 ng

RT: 3.33 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

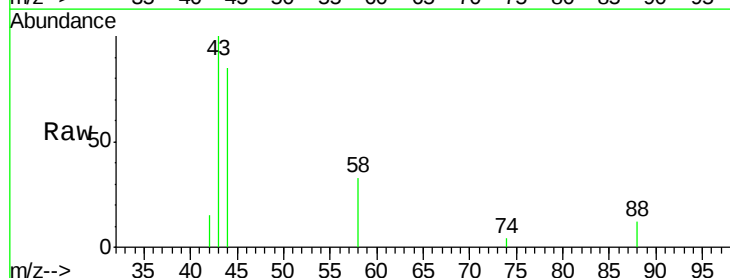
Tgt Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

58 219.4 63.6 95.4#

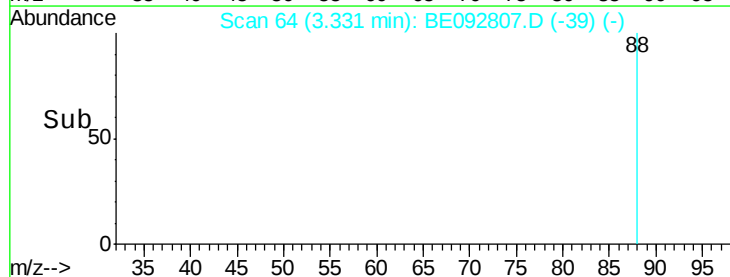
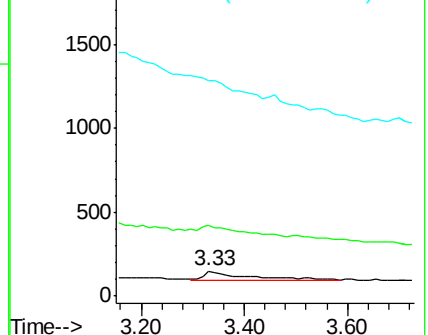
43 0.0 28.0 42.0#

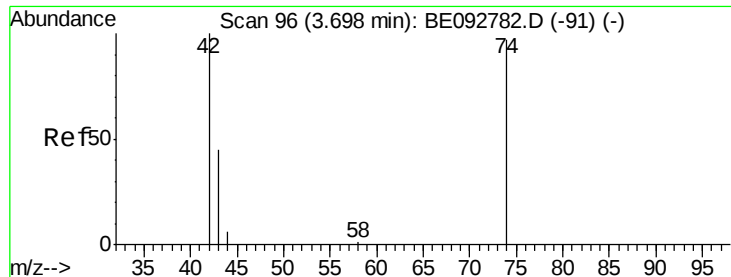


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.40 ng

RT: 3.78 min Scan# 103

Delta R.T. 0.05 min

Lab File: BE092807.D

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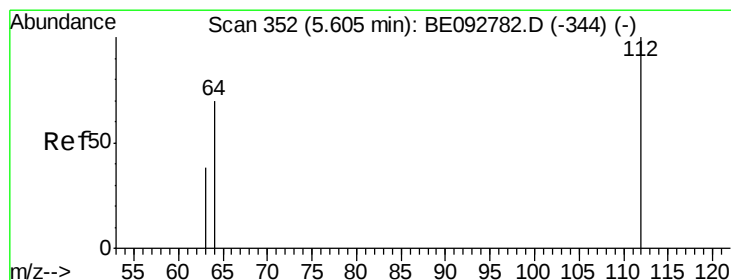
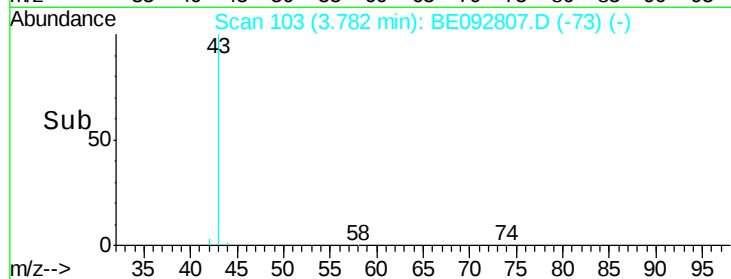
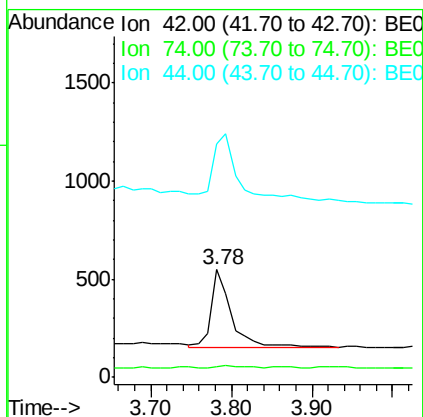
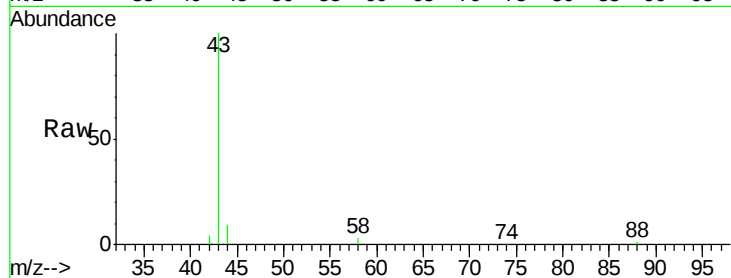
Tgt Ion: 42 Resp: 680

Ion Ratio Lower Upper

42 100

74 1.8 86.0 129.0#

44 132.9 5.1 7.7#



#4

2-Fluorophenol

Concen: 8.41 ng

RT: 5.59 min Scan# 350

Delta R.T. -0.04 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

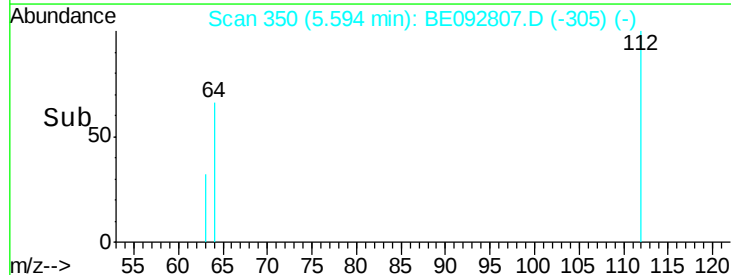
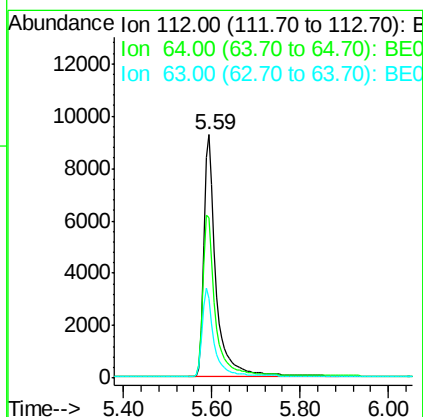
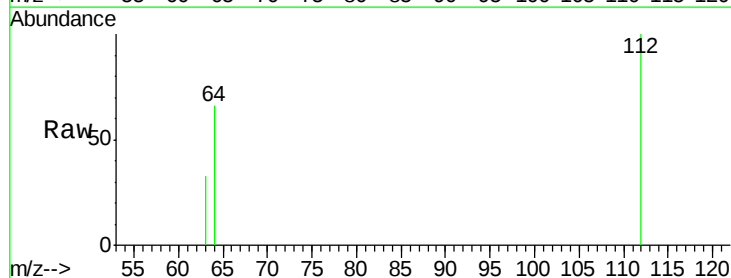
Tgt Ion: 112 Resp: 18095

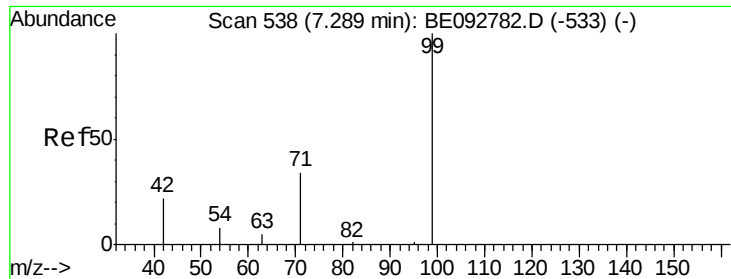
Ion Ratio Lower Upper

112 100

64 68.3 53.5 80.3

63 36.4 27.9 41.9





#5

Phenol-d6

Concen: 7.79 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.05 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

Instrument :

BNA_E

ClientSampleId :

PB97375BL

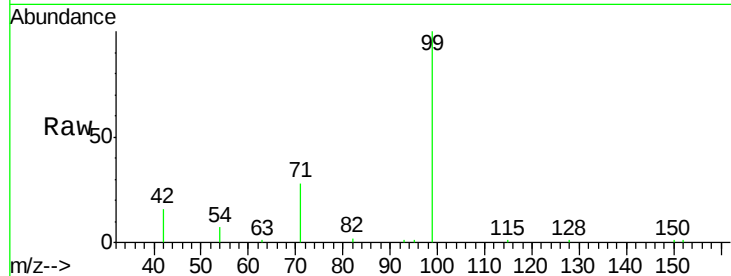
Tgt Ion: 99 Resp: 19958

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

71 32.7 30.6 45.8



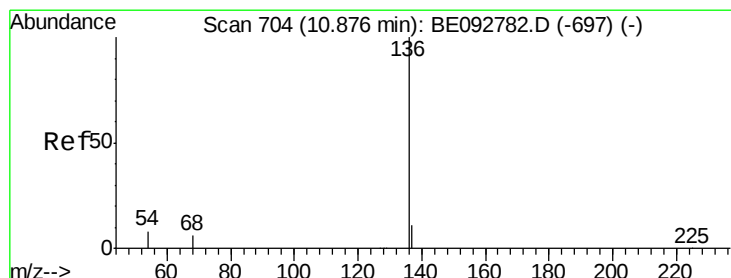
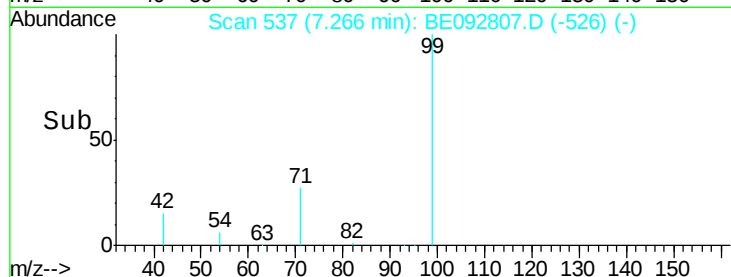
Abundance Ion 99.00 (98.70 to 99.70): BE092807.D (-533) (-)

Ion 42.00 (41.70 to 42.70): BE092807.D (-533) (-)

Ion 71.00 (70.70 to 71.70): BE092807.D (-533) (-)

7.27

Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

Tgt Ion: 136 Resp: 40297

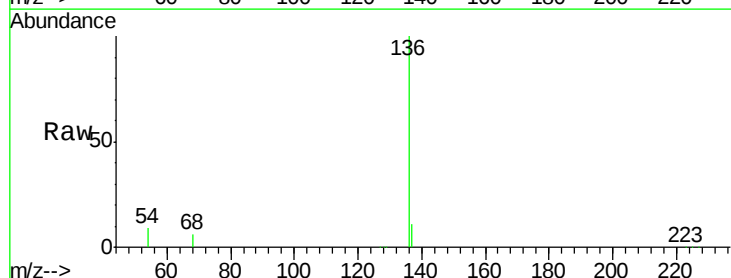
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.4

54 8.8 9.6 14.4#

68 6.2 6.7 10.1#



Abundance Ion 136.00 (135.70 to 136.70): BE092807.D (-689) (-)

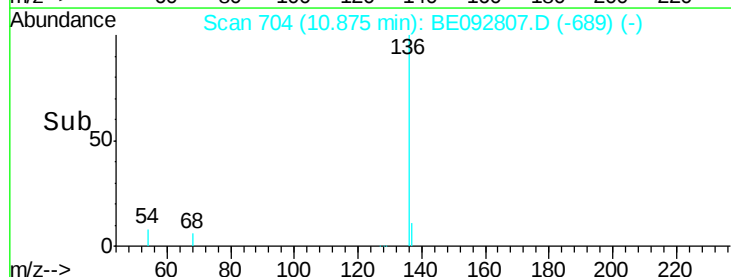
Ion 137.00 (136.70 to 137.70): BE092807.D (-689) (-)

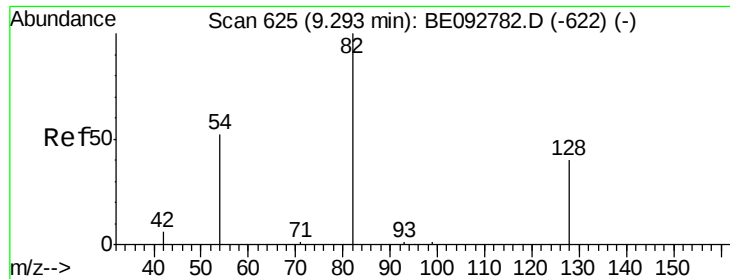
Ion 54.00 (53.70 to 54.70): BE092807.D (-689) (-)

Ion 68.00 (67.70 to 68.70): BE092807.D (-689) (-)

10.88

Time-->





#8

Nitrobenzene-d5

Concen: 3.74 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

Instrument :

BNA_E

ClientSampled :

PB97375BL

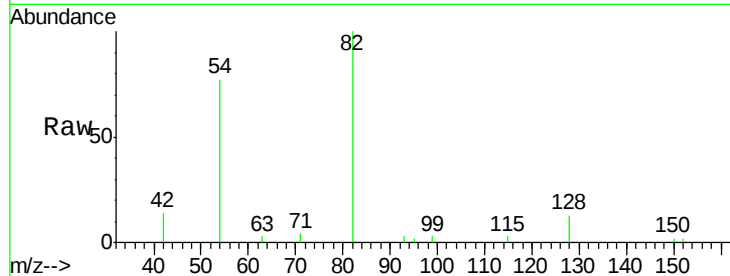
Tgt Ion: 82 Resp: 9219

Ion Ratio Lower Upper

82 100

128 13.4 39.0 58.4#

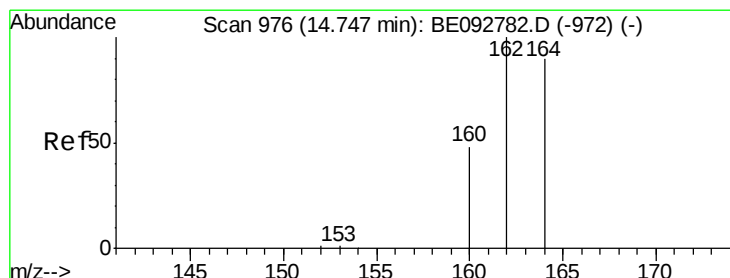
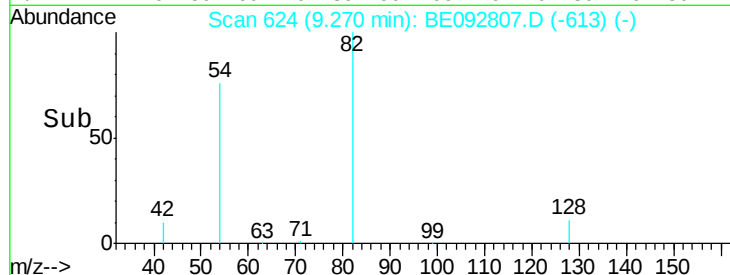
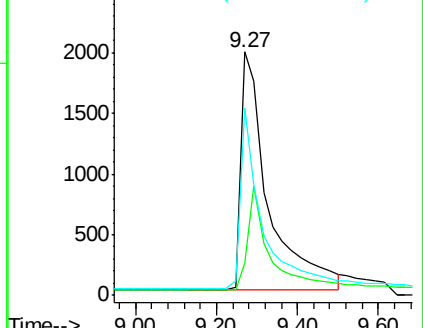
54 77.1 44.8 67.2#



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: 14.75 min Scan# 976

Delta R.T. -0.02 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

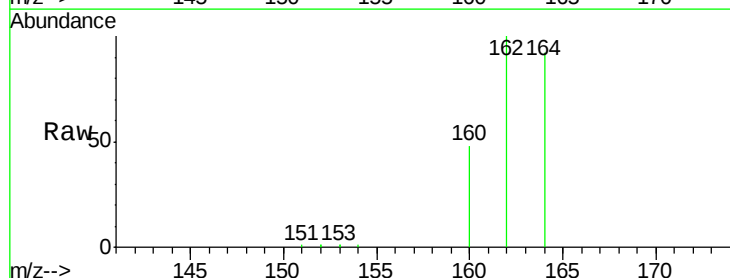
Tgt Ion: 164 Resp: 19754

Ion Ratio Lower Upper

164 100

162 109.1 71.4 107.0#

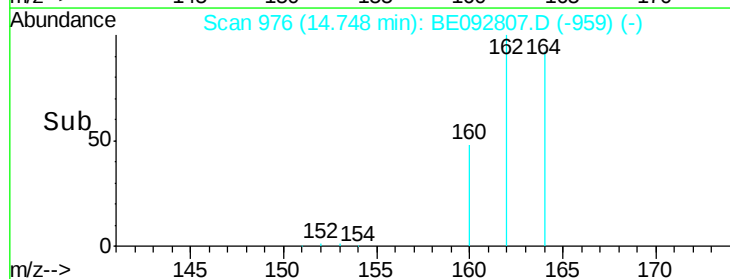
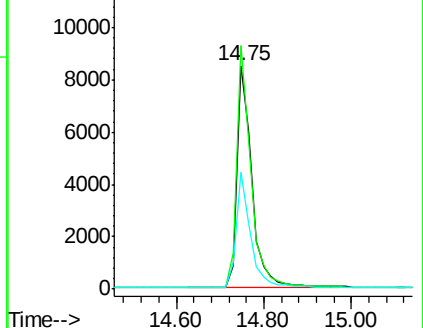
160 52.5 27.4 41.2#

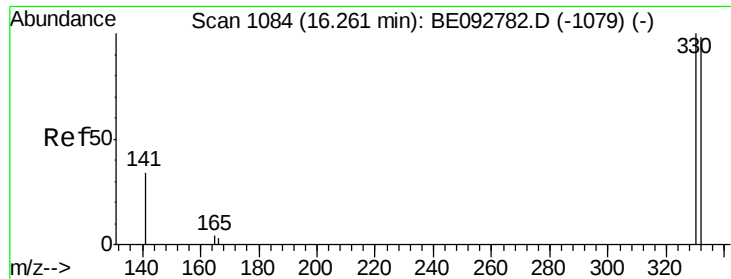


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

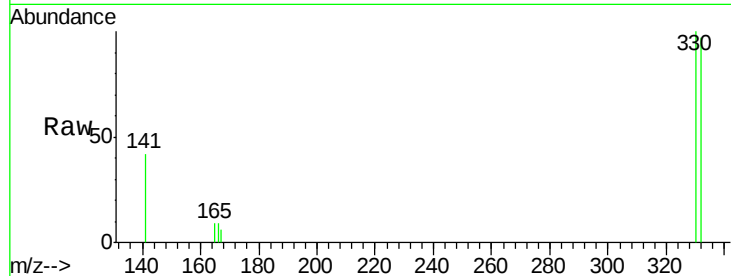




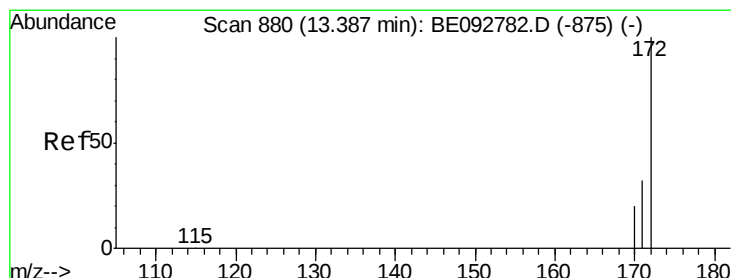
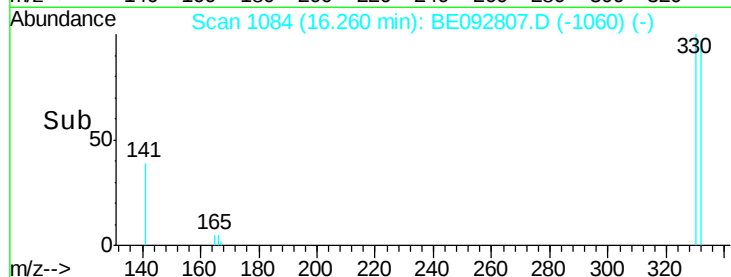
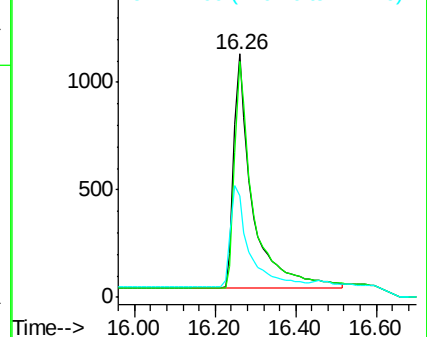
#13
 2,4,6-Tribromophenol
 Concen: 6.80 ng
 RT: 16.26 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BE092807.D
 Acq: 7 Mar 2017 12:41

Instrument :
 BNA_E
 ClientSampleId :
 PB97375BL

Tgt Ion: 330 Resp: 3536
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.4 113.0
 141 43.1 31.0 46.6

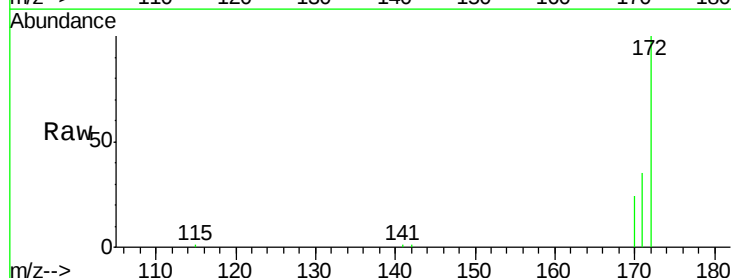


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

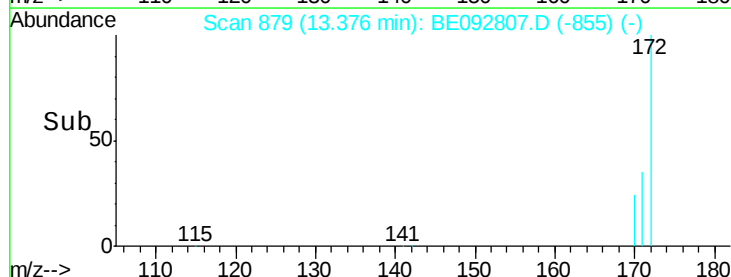
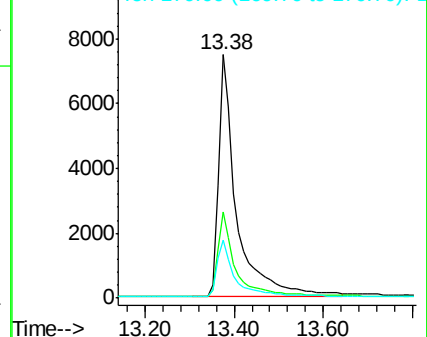


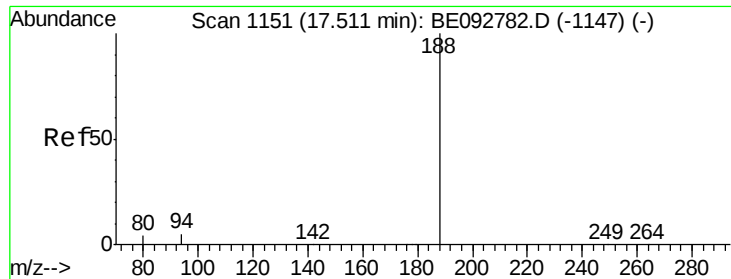
#14
 2-Fluorobiphenyl
 Concen: 4.51 ng
 RT: 13.38 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092807.D
 Acq: 7 Mar 2017 12:41

Tgt Ion: 172 Resp: 21013
 Ion Ratio Lower Upper
 172 100
 171 35.3 30.1 45.1
 170 24.0 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

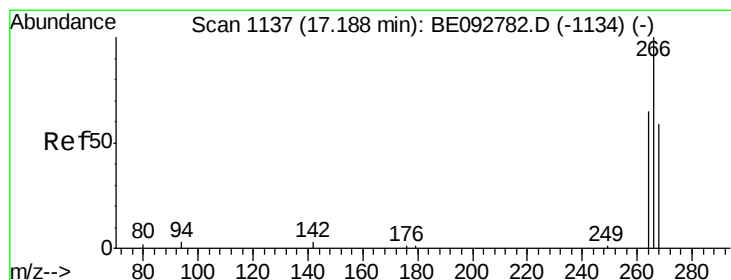
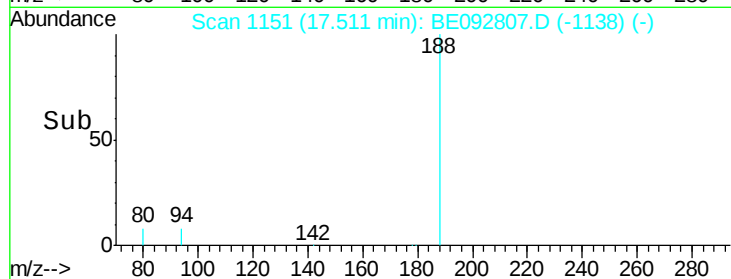
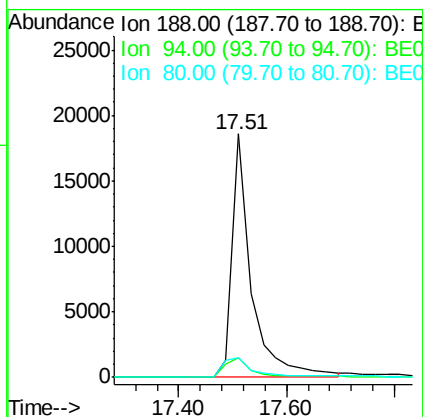
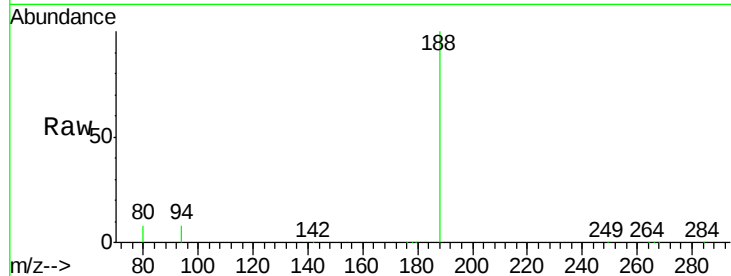




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BE092807.D
Acq: 7 Mar 2017 12:41

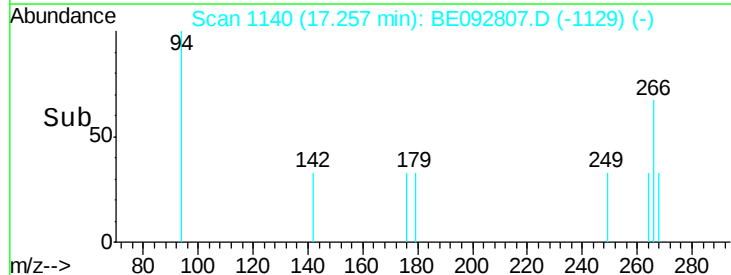
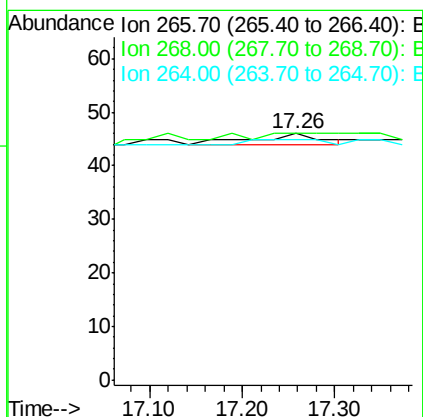
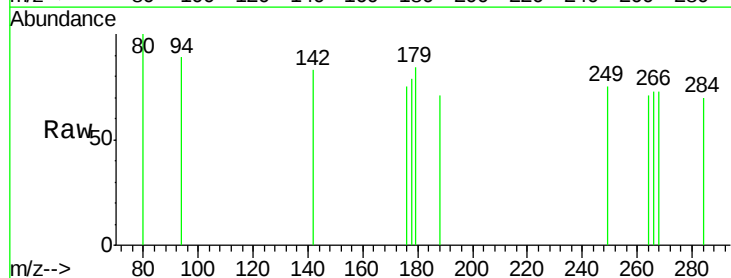
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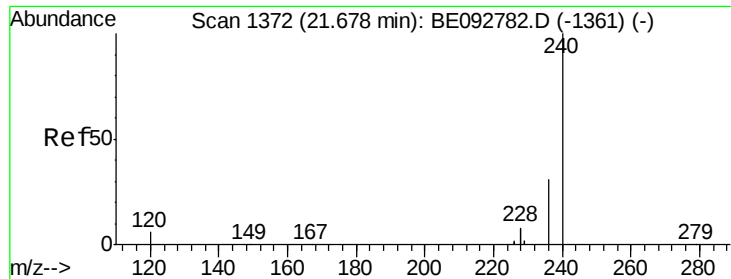
Tgt Ion:188 Resp: 45132
Ion Ratio Lower Upper
188 100
94 8.0 3.2 4.8#
80 8.0 2.6 3.8#



#20
Pentachlorophenol
Concen: 0.10 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.05 min
Lab File: BE092807.D
Acq: 7 Mar 2017 12:41

Tgt Ion:266 Resp: 11
Ion Ratio Lower Upper
266 100
268 100.0 62.5 93.7#
264 97.8 57.2 85.8#

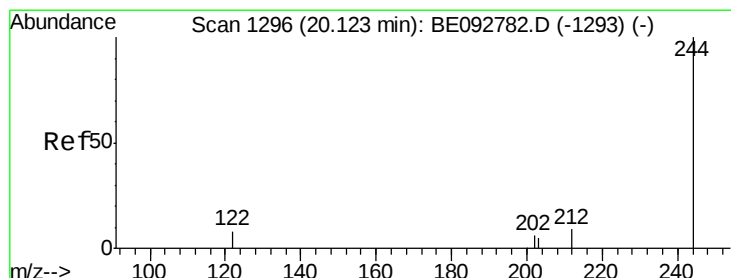
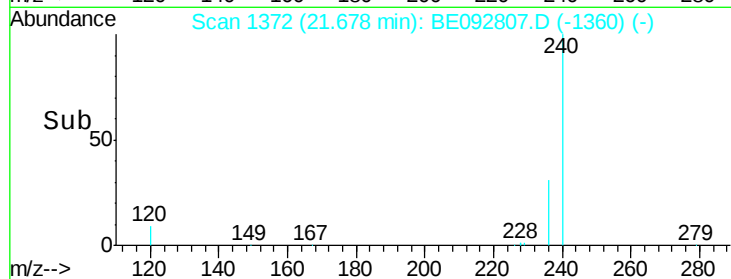
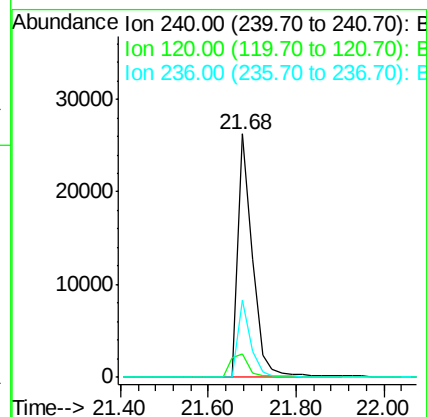
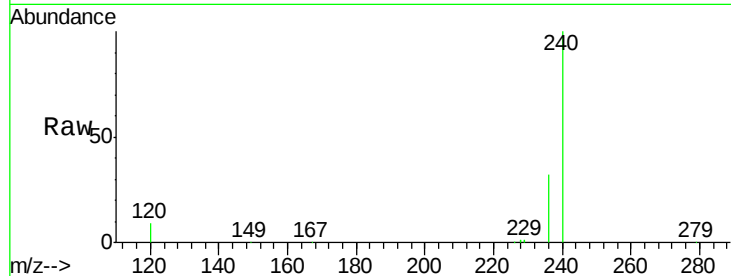




#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.68 min Scan# 1372
 Delta R.T. -0.02 min
 Lab File: BE092807.D
 Acq: 7 Mar 2017 12:41

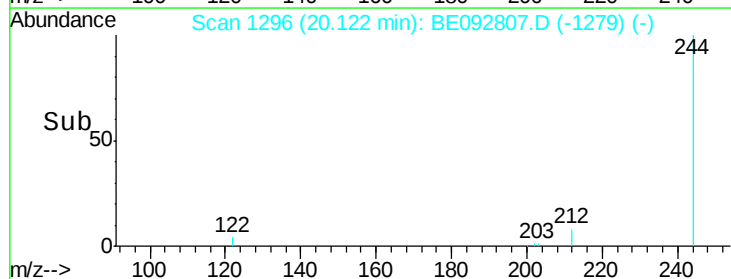
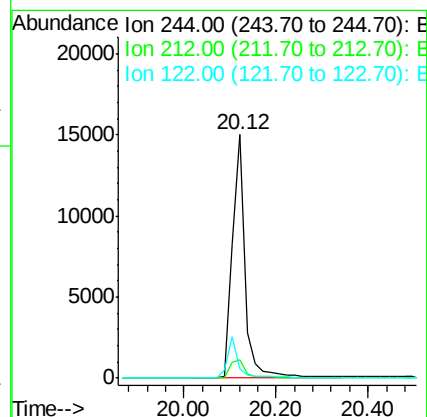
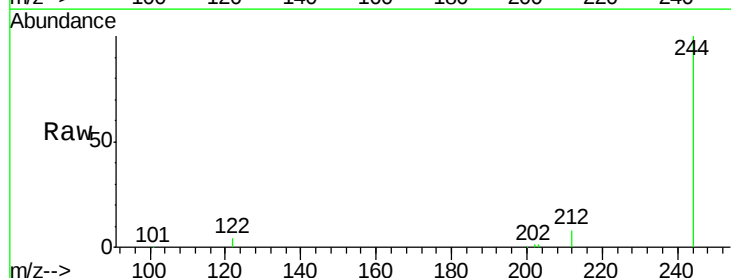
Instrument :
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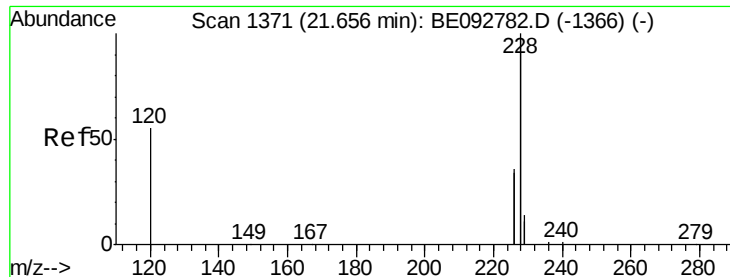
Tgt Ion:240 Resp: 59221
 Ion Ratio Lower Upper
 240 100
 120 9.4 2.6 4.0#
 236 31.6 24.6 37.0



#26
 Terphenyl-d14
 Concen: 4.06 ng
 RT: 20.12 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092807.D
 Acq: 7 Mar 2017 12:41

Tgt Ion:244 Resp: 29028
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.7 10.1
 122 4.1 3.6 5.4

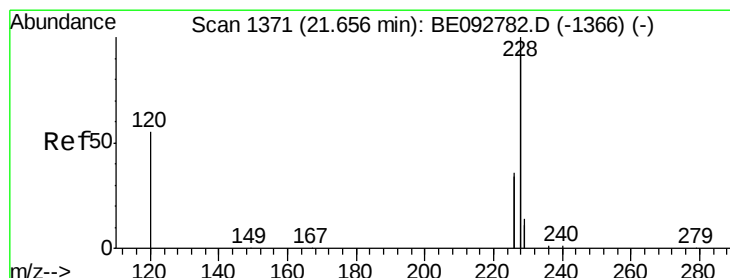
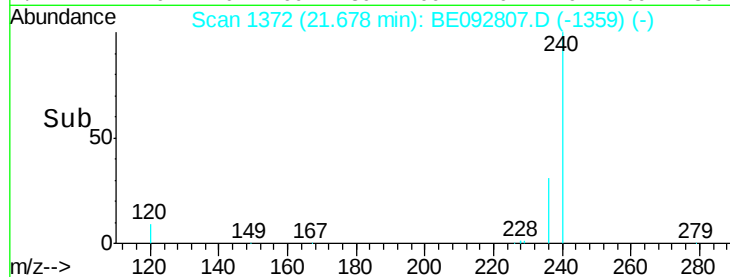
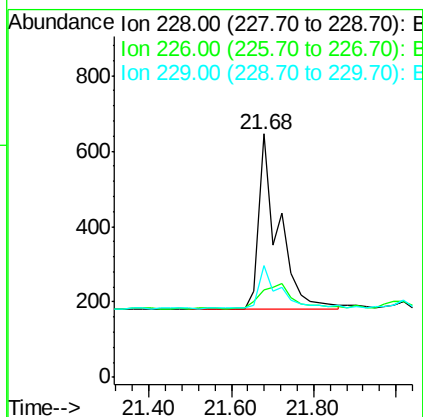
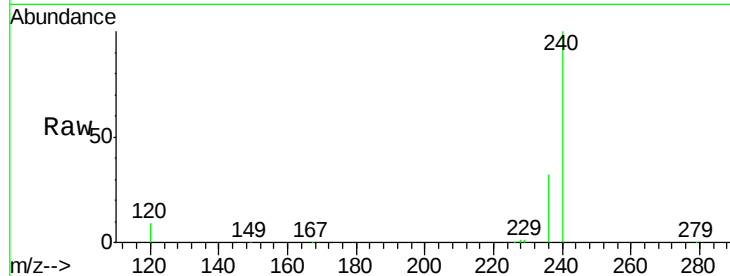




#27
Benzo(a)anthracene
Concen: 0.09 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BE092807.D
Acq: 7 Mar 2017 12:41

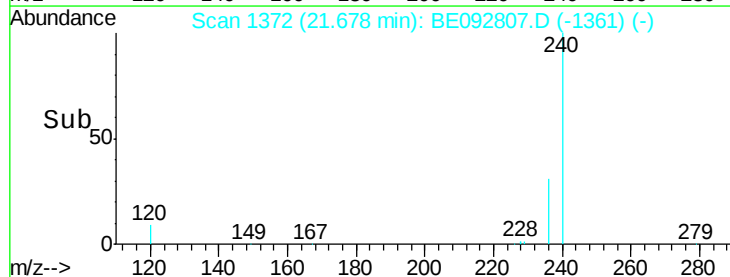
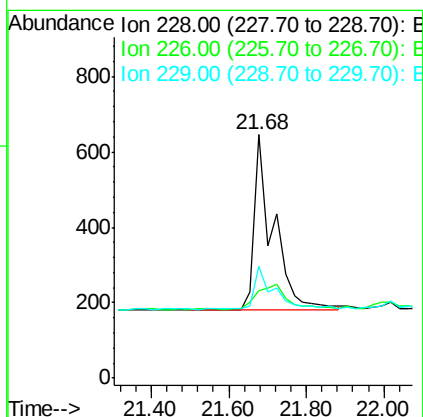
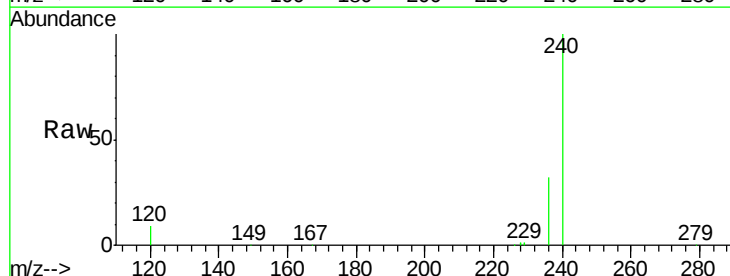
Instrument :
BNA_E
ClientSampleId :
PB97375BL

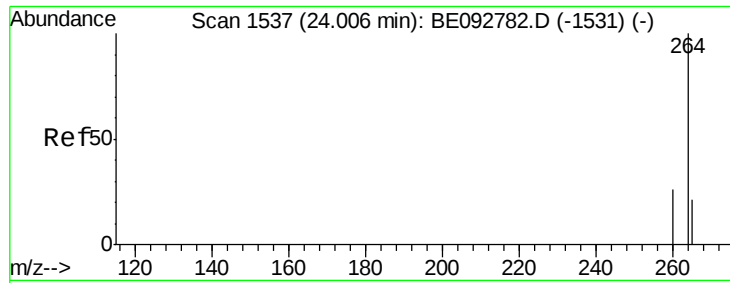
Tgt Ion:228 Resp: 1570
Ion Ratio Lower Upper
228 100
226 35.9 23.6 35.4#
229 45.8 13.3 19.9#



#28
Chrysene
Concen: 0.03 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.05 min
Lab File: BE092807.D
Acq: 7 Mar 2017 12:41

Tgt Ion:228 Resp: 1584
Ion Ratio Lower Upper
228 100
226 35.9 36.3 54.5#
229 45.8 10.6 16.0#





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.01 min Scan# 1537

Delta R.T. -0.02 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

Instrument :

BNA_E

ClientSampleId :

PB97375BL

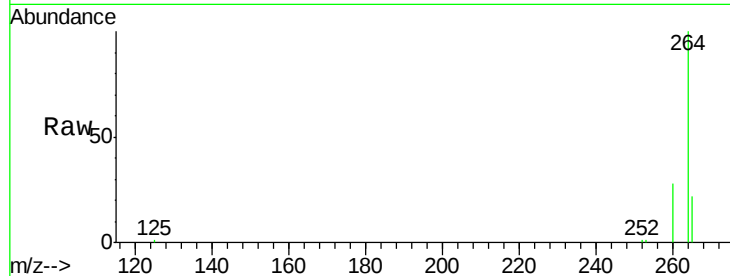
Tgt Ion:264 Resp: 40551

Ion Ratio Lower Upper

264 100

260 27.8 20.1 30.1

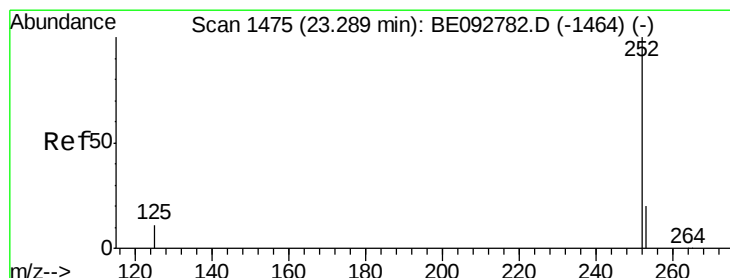
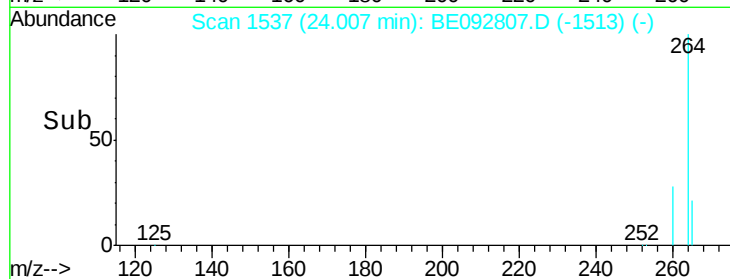
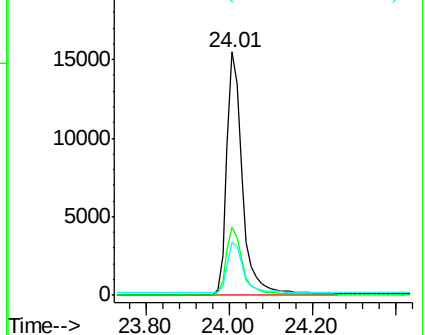
265 21.7 17.9 26.9



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



#32

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 23.30 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BE092807.D

Acq: 7 Mar 2017 12:41

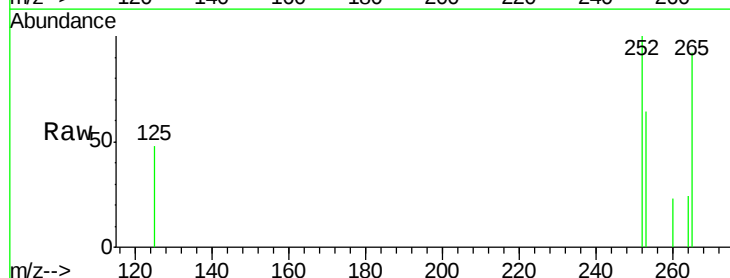
Tgt Ion:252 Resp: 316

Ion Ratio Lower Upper

252 100

253 64.2 18.7 28.1#

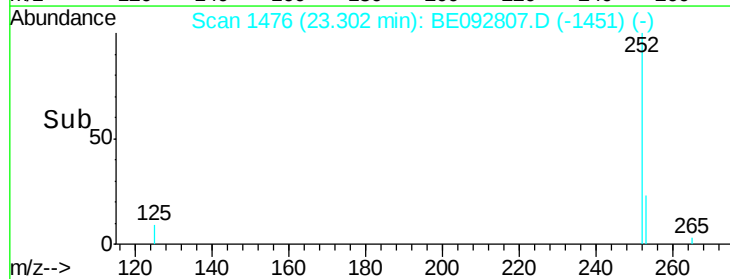
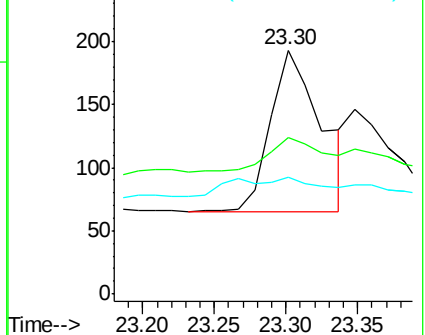
125 47.7 10.5 15.7#

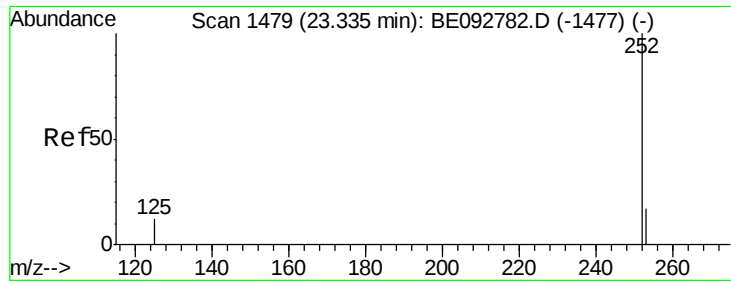


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

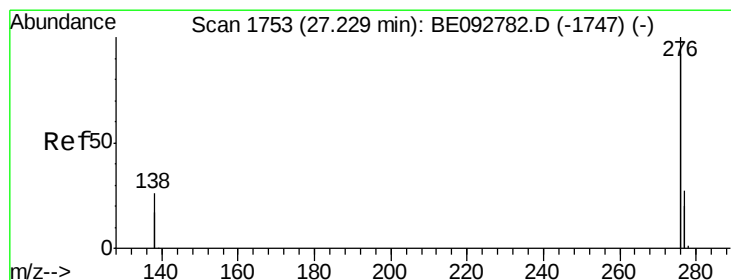
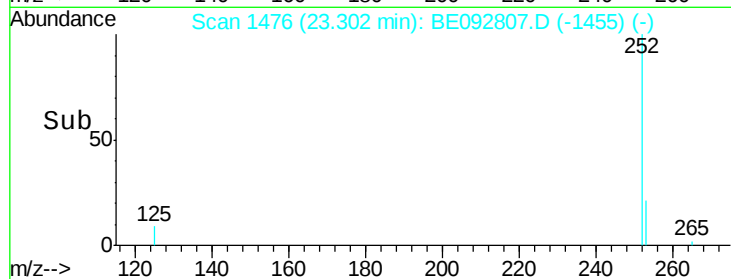
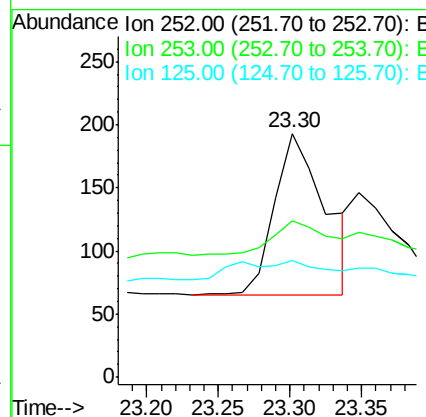
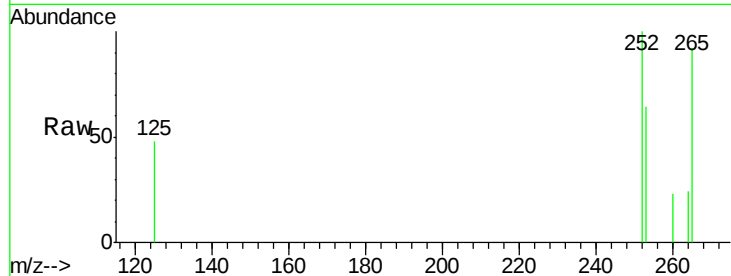




#33
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 23.30 min Scan# 1476
Delta R.T. -0.06 min
Lab File: BE092807.D
Acq: 7 Mar 2017 12:41

Instrument :
BNA_E
ClientSampleId :
PB97375BL

Tgt Ion: 252 Resp: 316
Ion Ratio Lower Upper
252 100
253 64.2 20.3 30.5#
125 47.7 9.6 14.4#



#36
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 27.30 min Scan# 1757
Delta R.T. 0.05 min
Lab File: BE092807.D
Acq: 7 Mar 2017 12:41

Tgt Ion: 276 Resp: 861
Ion Ratio Lower Upper
276 100
277 69.2 19.8 29.8#
138 73.6 19.8 29.6#

