

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092213.D
 Acq On : 5 Aug 2016 10:49
 Operator : UM/SJ
 Sample : H4288-26
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 05 17:17:18 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10048	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	45669	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	25587	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	58002	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	74409	5.00	ng	0.00
28) Perylene-d12	24.14	264	74699	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	14517	5.63	ng	0.00
5) Phenol-d6	7.35	99	13401	3.90	ng	0.00
7) Nitrobenzene-d5	9.34	82	14045	3.90	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8862	10.67	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	32018	3.95	ng	0.00
24) Terphenyl-d14	20.19	244	46658	4.37	ng	-0.02

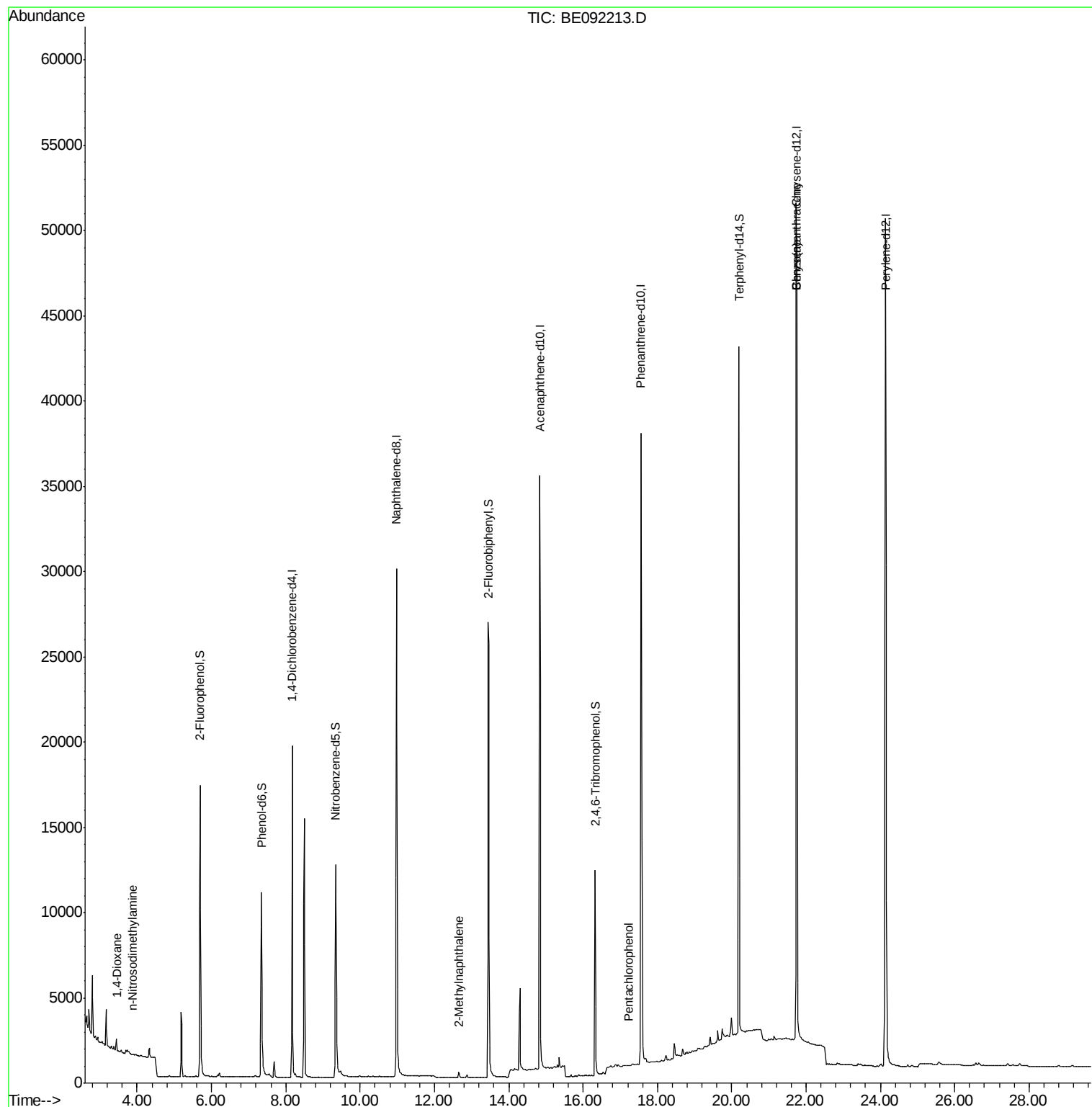
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	421	0.31	ng	# 48
3) n-Nitrosodimethylamine	3.88	42	24	0.10	ng	# 9
9) 2-Methylnaphthalene	12.65	142	359	0.07	ng	# 77
18) Pentachlorophenol	17.24	266	6	0.20	ng	# 76
19) Phenanthrene	17.60	178	491	Below Cal		# 22
25) Benzo(a)anthracene	21.73	228	1883	0.02	ng	# 30
26) Chrysene	21.73	228	1992	0.02	ng	# 32
30) Benzo(k)fluoranthene	23.40	252	132	Below Cal		# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampled :

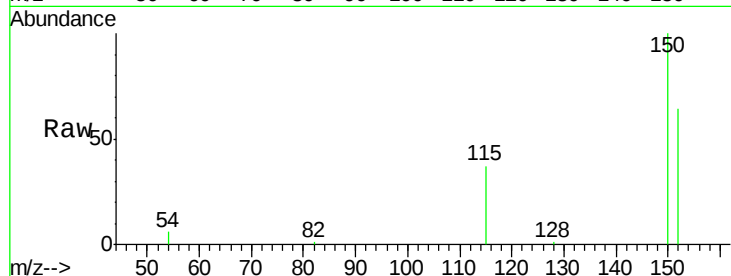
Tot Ion:152 Resp: 10048

Ion Ratio Lower Upper

152 100

150 157.0 106.0 159.0

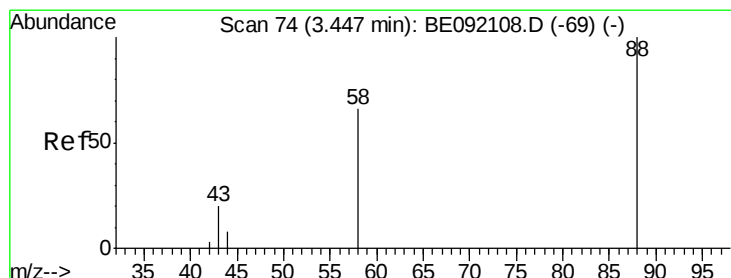
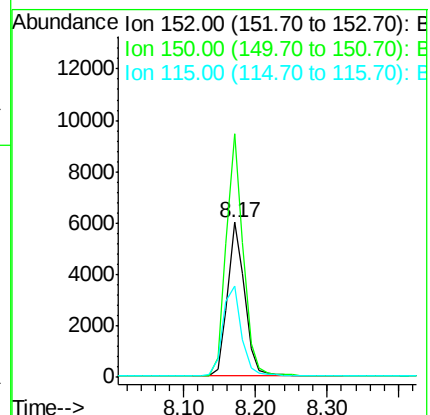
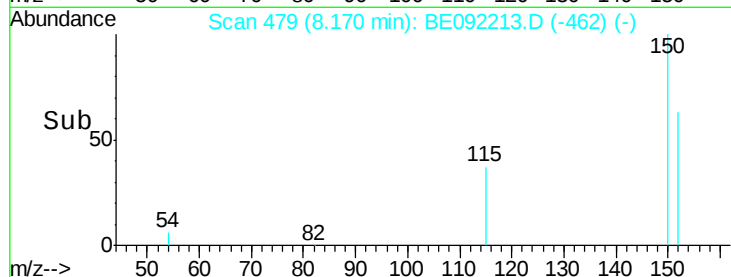
115 58.8 36.9 55.3#



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: 0.31 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

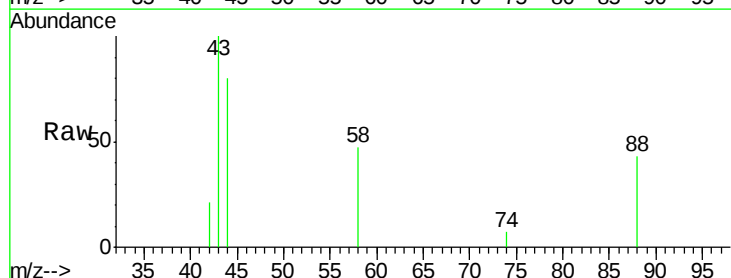
Tgt Ion: 88 Resp: 421

Ion Ratio Lower Upper

88 100

58 95.0 62.1 93.1#

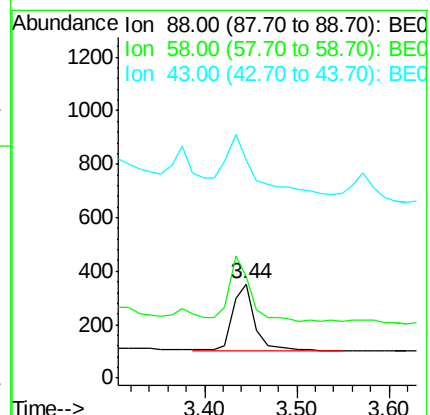
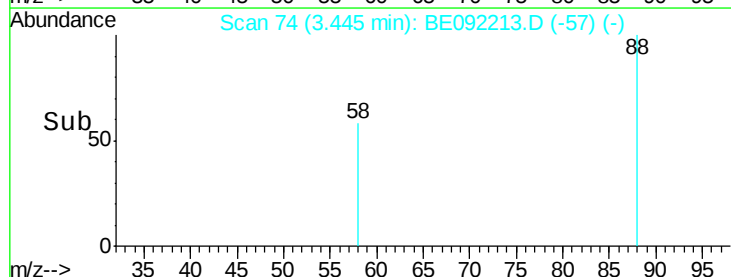
43 106.4 27.2 40.8#

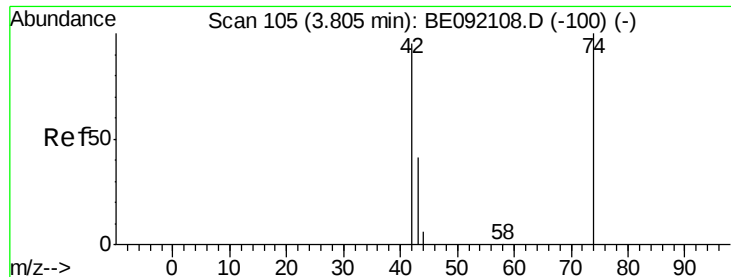


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



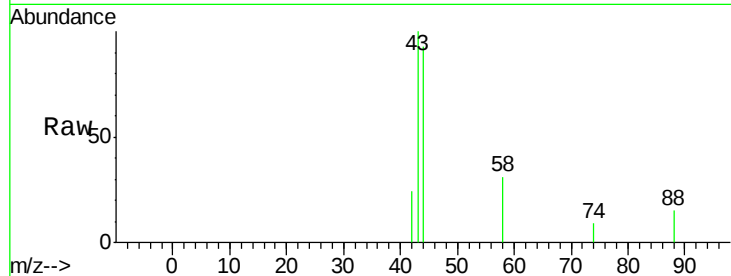


#3

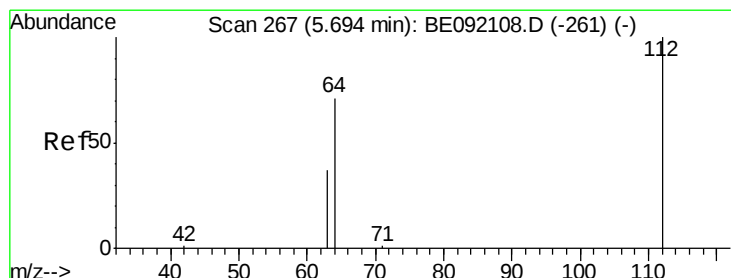
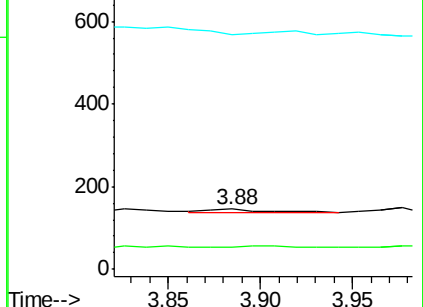
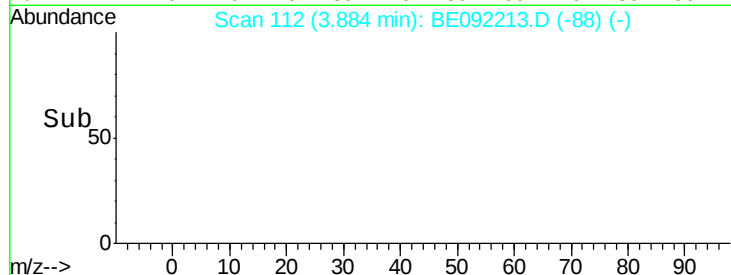
n-Nitrosodimethylamine
 Concen: 0.10 ng
 RT: 3.88 min Scan# 112
 Delta R.T. 0.08 min
 Lab File: BE092213.D
 Acq: 5 Aug 2016 10:49

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 24
 Ion Ratio Lower Upper
 42 100
 74 4.2 82.8 124.2#
 44 0.0 9.0 13.4#



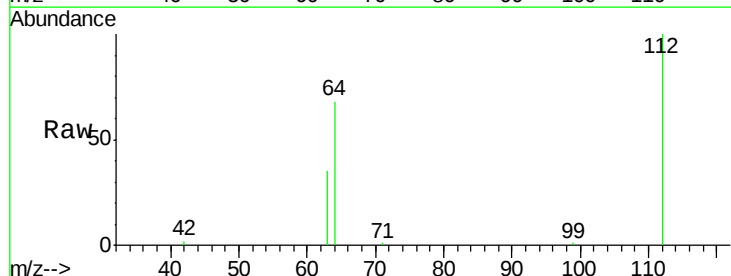
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



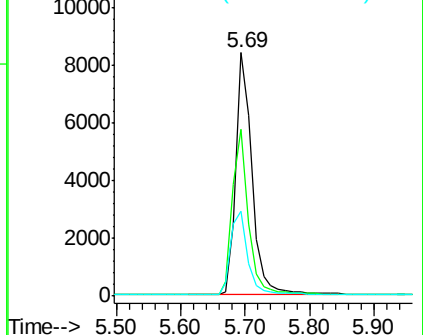
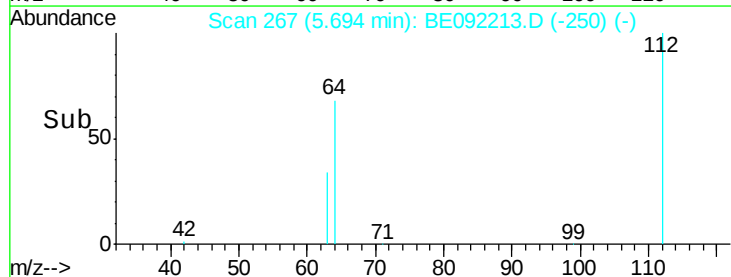
#4

2-Fluorophenol
 Concen: 5.63 ng
 RT: 5.69 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: BE092213.D
 Acq: 5 Aug 2016 10:49

Tgt Ion: 112 Resp: 14517
 Ion Ratio Lower Upper
 112 100
 64 67.5 55.9 83.9
 63 36.3 31.1 46.7



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: 3.90 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampled :

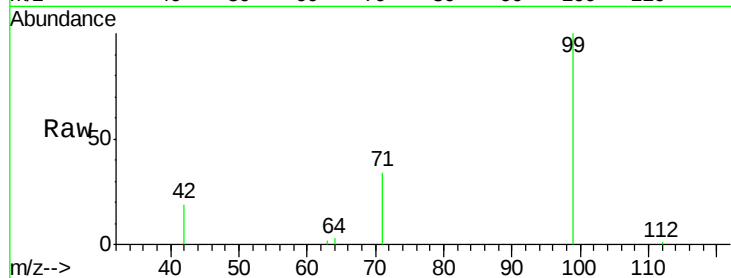
Tot Ion: 99 Resp: 13401

Ion Ratio Lower Upper

99 100

42 24.6 22.4 33.6

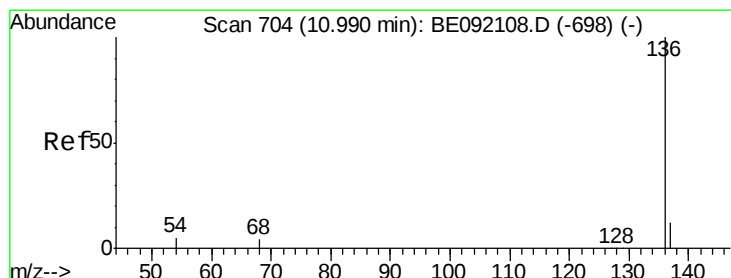
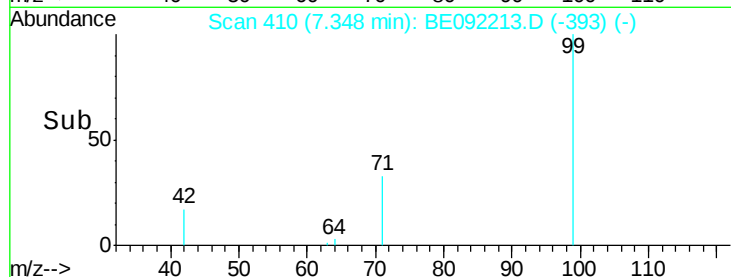
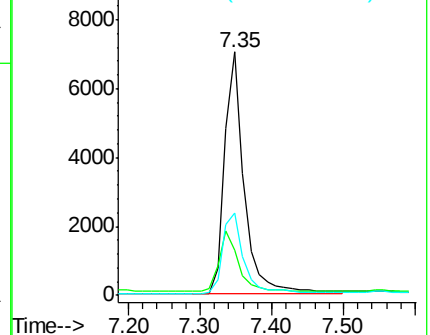
71 36.2 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

Ion 42.00 (41.70 to 42.70): BE092108.D (-403) (-)

Ion 71.00 (70.70 to 71.70): BE092108.D (-403) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Tgt Ion: 136 Resp: 45669

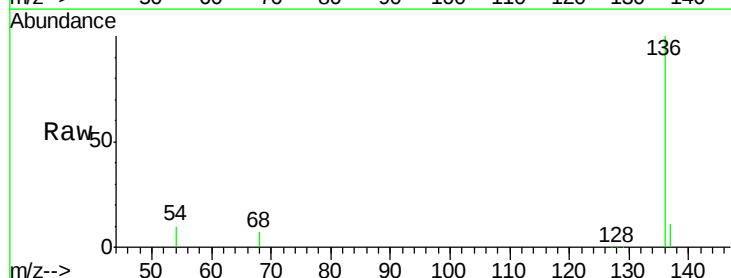
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 10.0 2.7 4.1#

68 7.1 2.2 3.4#

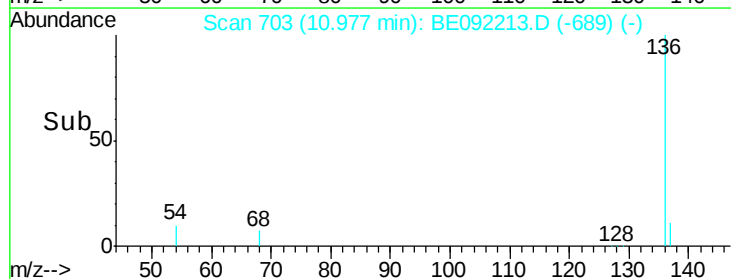
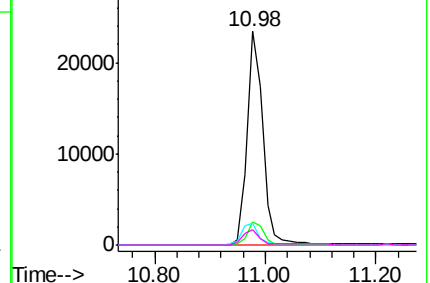


Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

Ion 137.00 (136.70 to 137.70): BE092108.D (-698) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-698) (-)

Ion 68.00 (67.70 to 68.70): BE092108.D (-698) (-)





#7

Nitrobenzene-d5

Concen: 3.90 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

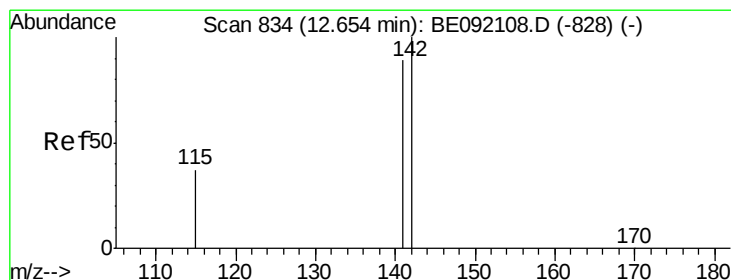
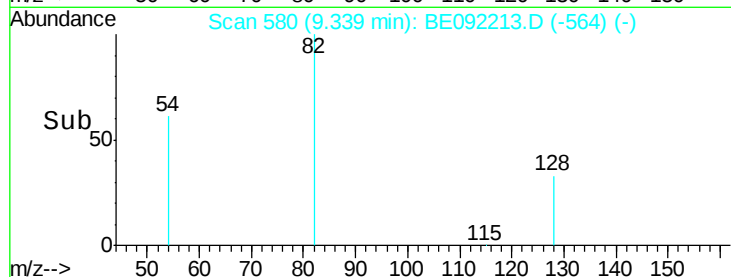
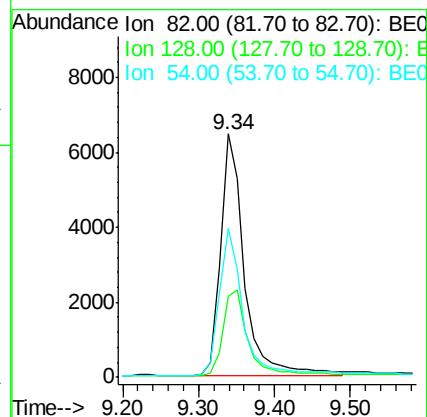
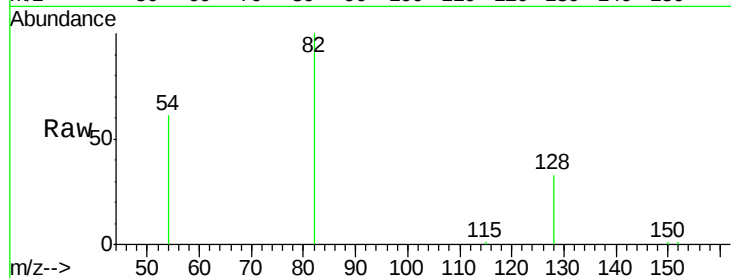
Tot Ion: 82 Resp: 14045

Ion Ratio Lower Upper

82 100

128 33.1 33.0 49.4

54 61.4 42.6 63.8



#9

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

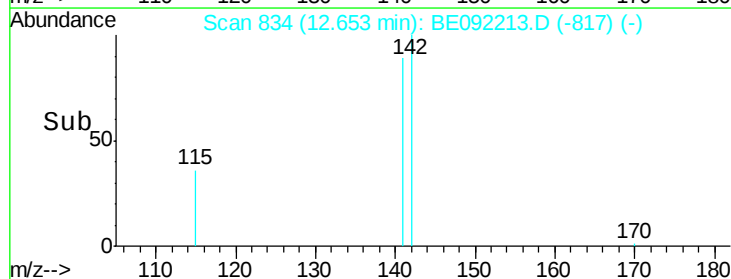
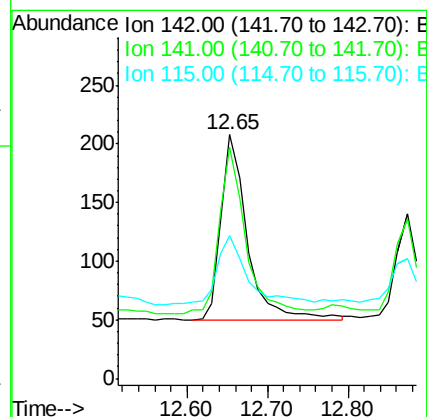
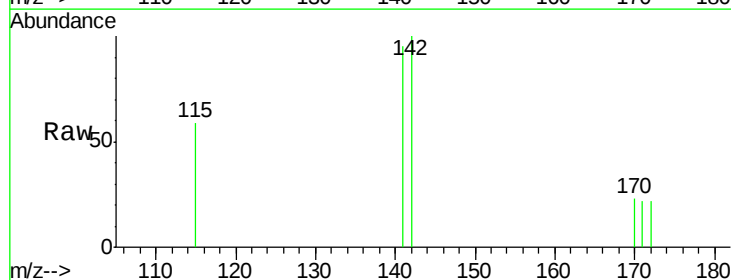
Tgt Ion:142 Resp: 359

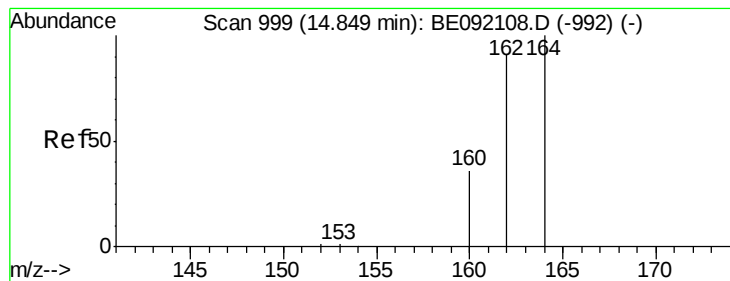
Ion Ratio Lower Upper

142 100

141 94.7 65.1 97.7

115 58.7 27.0 40.4#





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

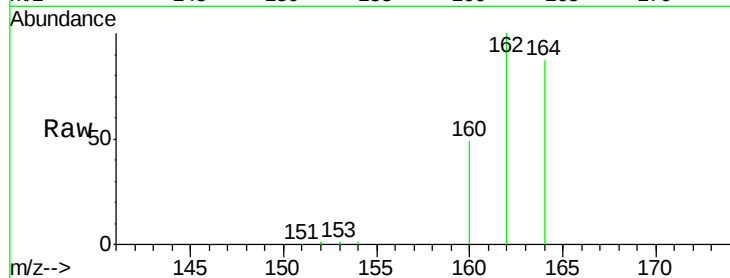
Tot Ion:164 Resp: 25587

Ion Ratio Lower Upper

164 100

162 115.1 69.5 104.3#

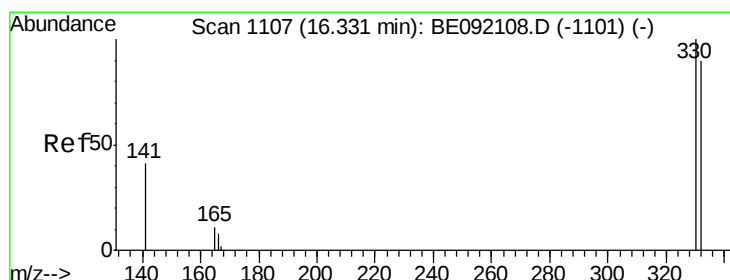
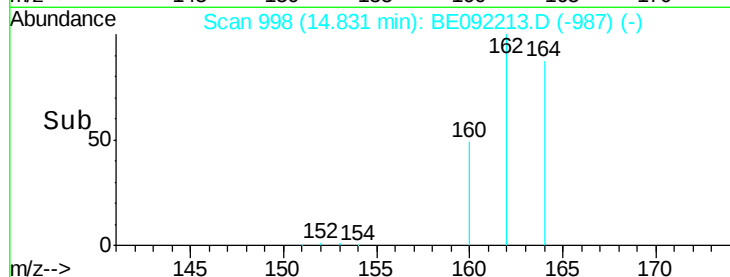
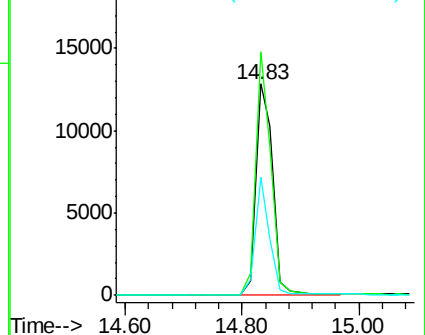
160 56.1 27.6 41.4#



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



#11

2,4,6-Tribromophenol

Concen: 10.67 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

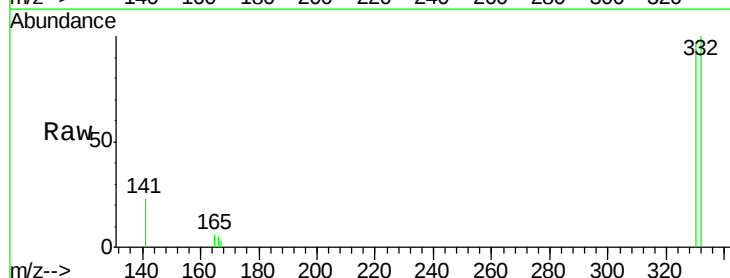
Tgt Ion:330 Resp: 8862

Ion Ratio Lower Upper

330 100

332 96.0 74.2 111.4

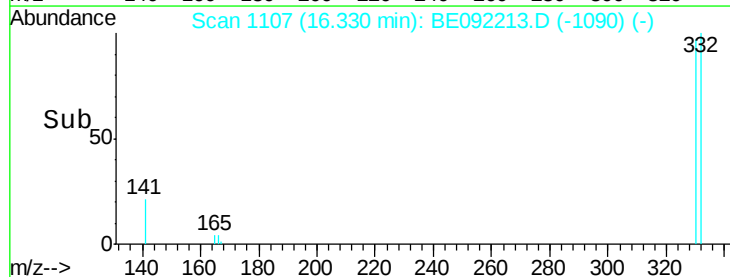
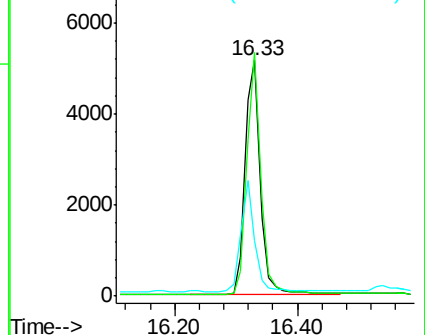
141 43.0 139.8 209.8#

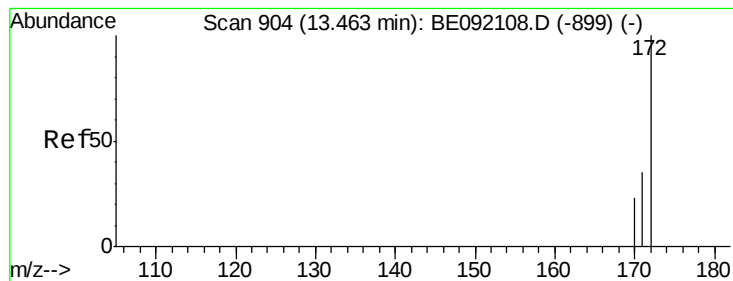


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 3.95 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

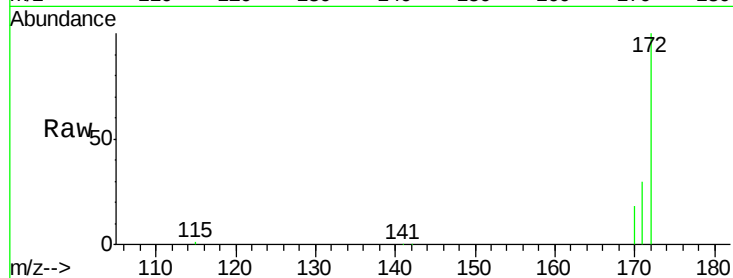
Tot Ion:172 Resp: 32018

Ion Ratio Lower Upper

172 100

171 30.2 30.3 45.5#

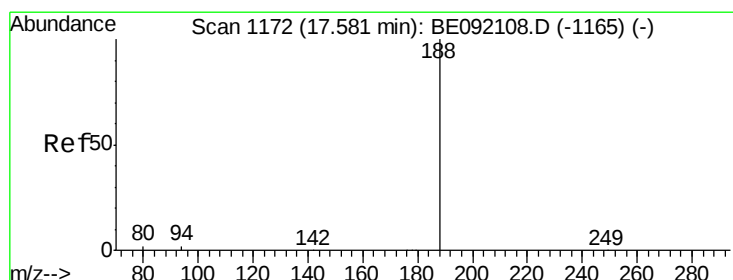
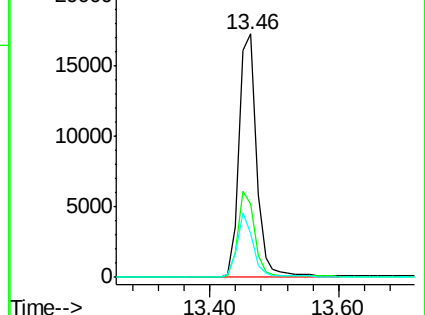
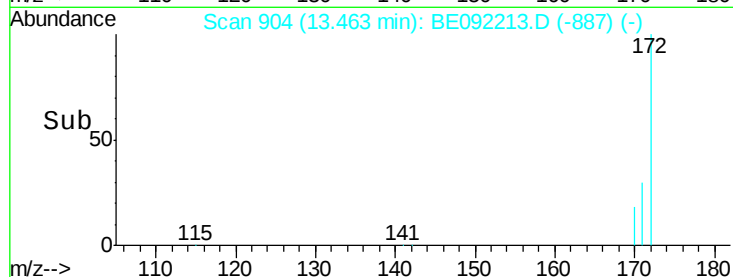
170 18.0 21.6 32.4#



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



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

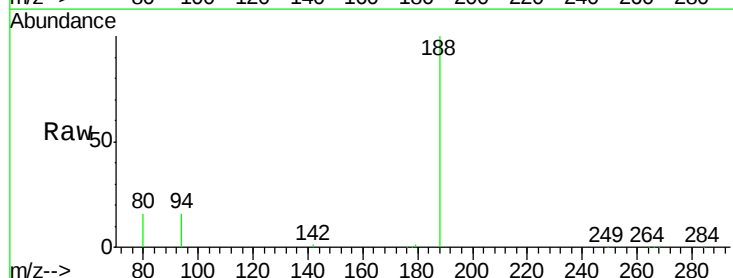
Tgt Ion:188 Resp: 58002

Ion Ratio Lower Upper

188 100

94 15.8 3.9 5.9#

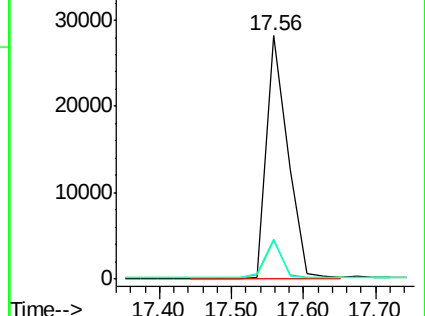
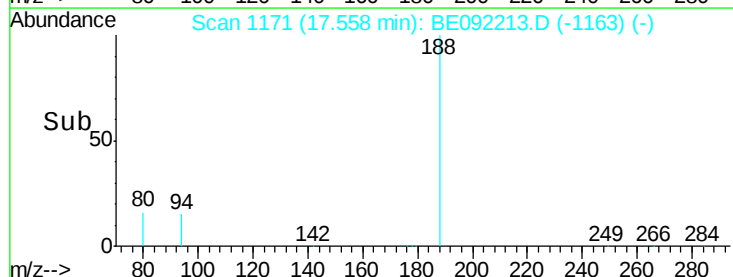
80 16.5 3.4 5.0#

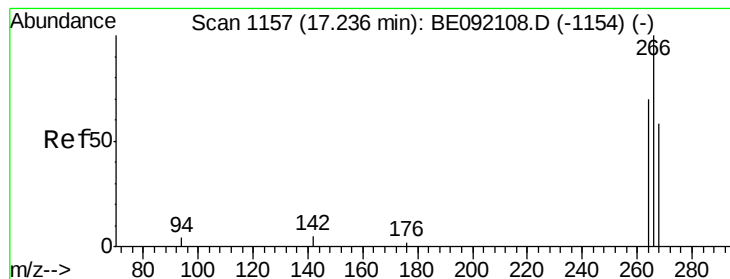


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#18

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092213.D

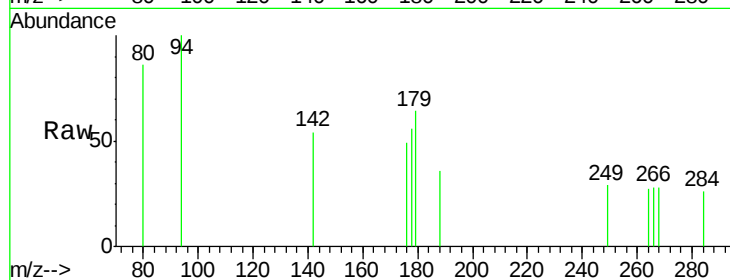
Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

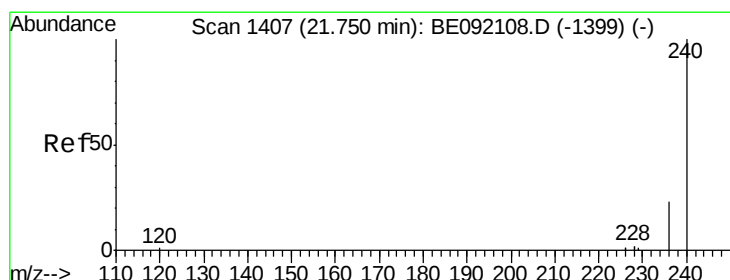
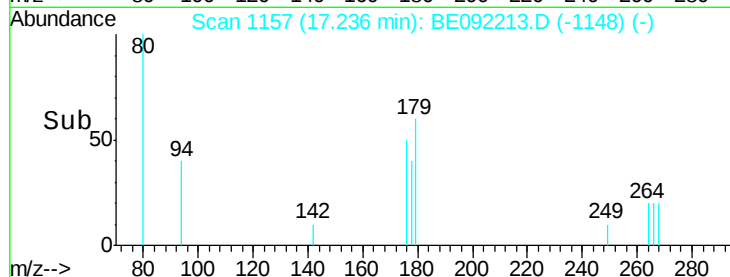
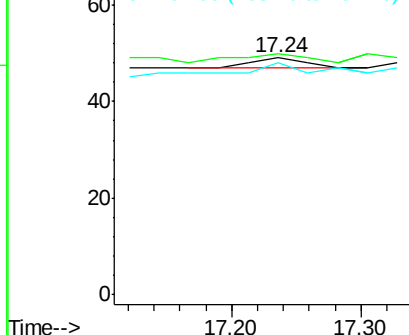
Tot Ion:266	Resp:	6
Ion	Ratio	Lower Upper
266	100	
268	102.0	62.7 94.1#
264	98.0	63.5 95.3#



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



#22

Chrysene-d12

Concen: 5.00 ng

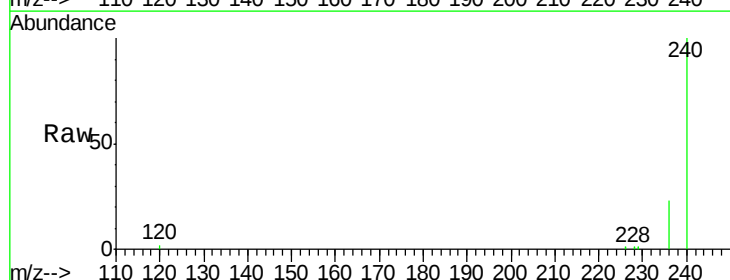
RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

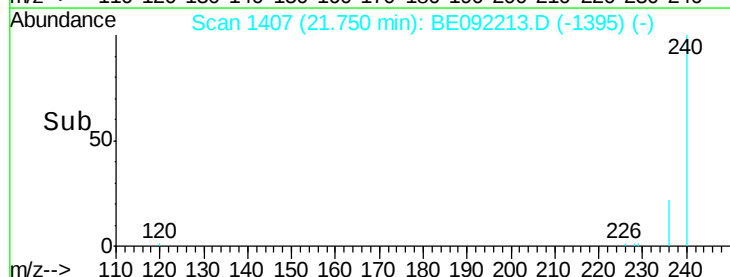
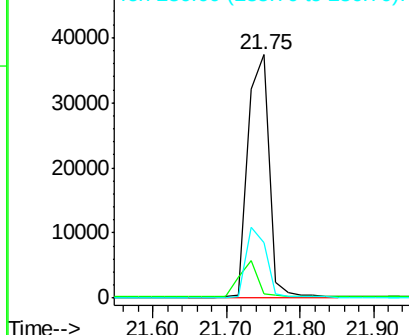
Tgt Ion:240	Resp:	74409
Ion	Ratio	Lower Upper
240	100	
120	1.7	0.6 1.0#
236	22.6	18.2 27.4

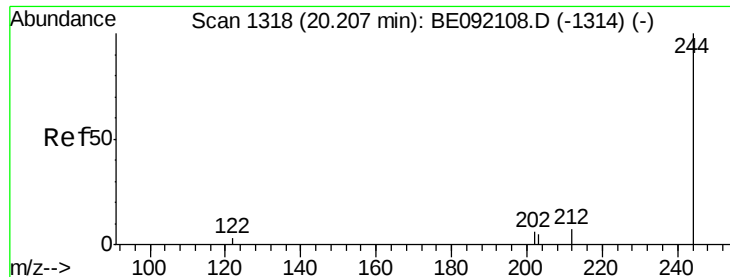


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 4.37 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

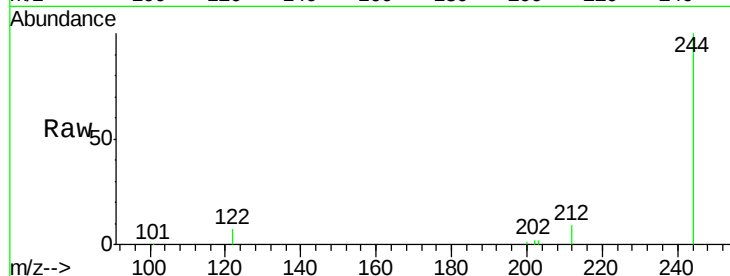
Tot Ion:244 Resp: 46658

Ion Ratio Lower Upper

244 100

212 8.9 9.1 13.7#

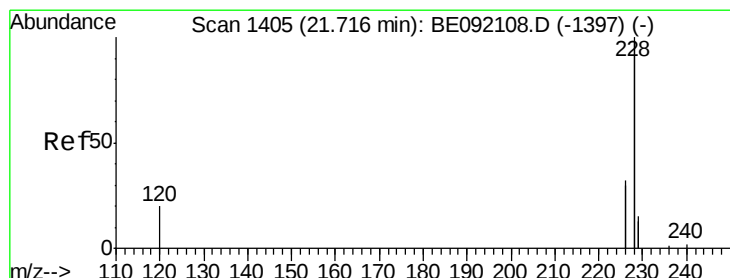
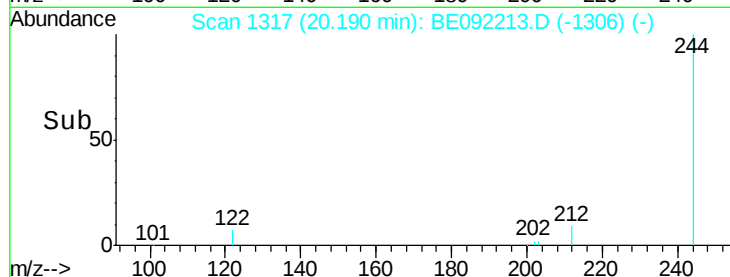
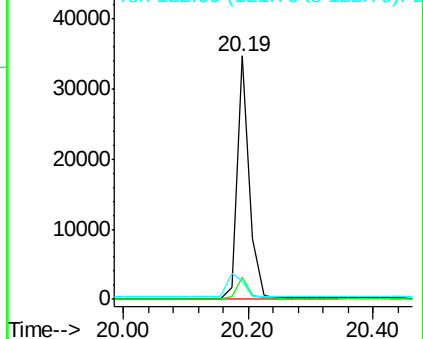
122 7.5 11.0 16.4#



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



#25

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.73 min Scan# 1406

Delta R.T. 0.02 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

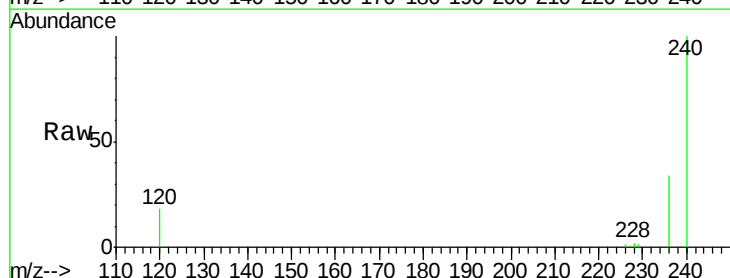
Tgt Ion:228 Resp: 1883

Ion Ratio Lower Upper

228 100

226 49.0 22.1 33.1#

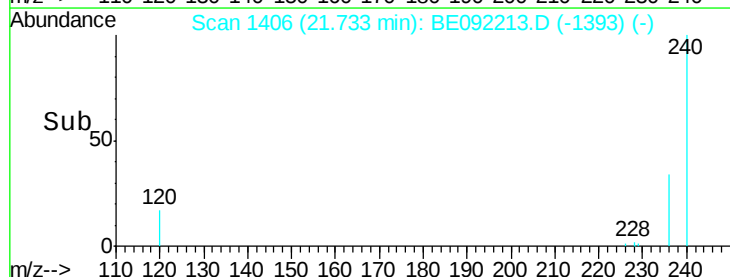
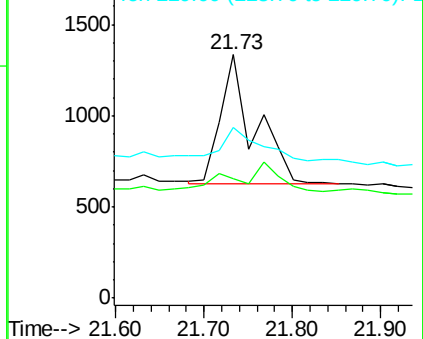
229 70.1 15.1 22.7#

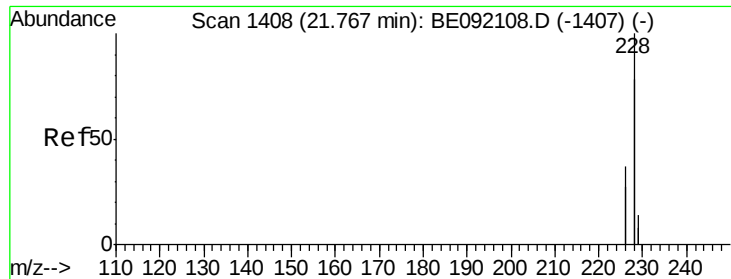


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

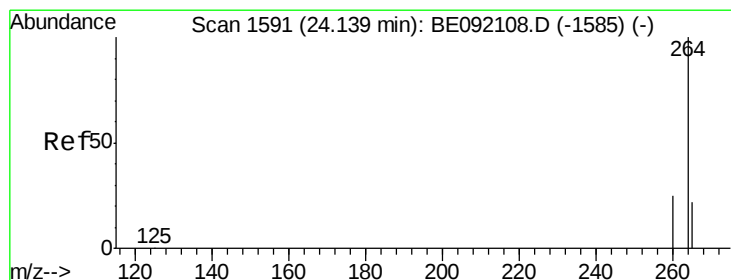
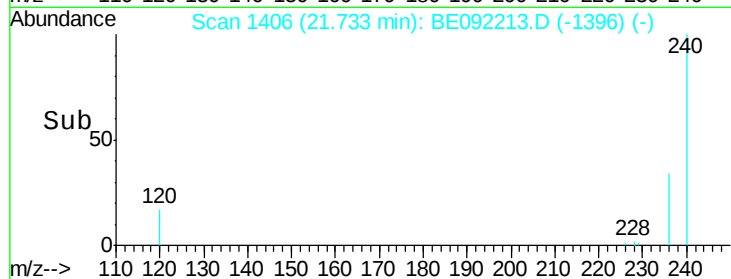
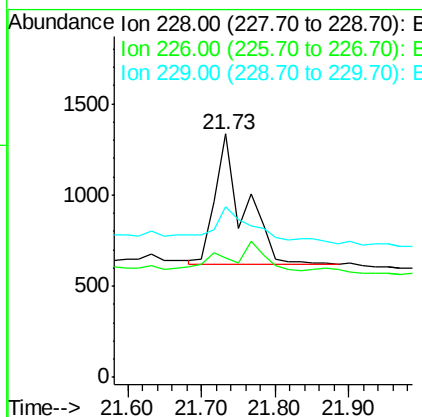
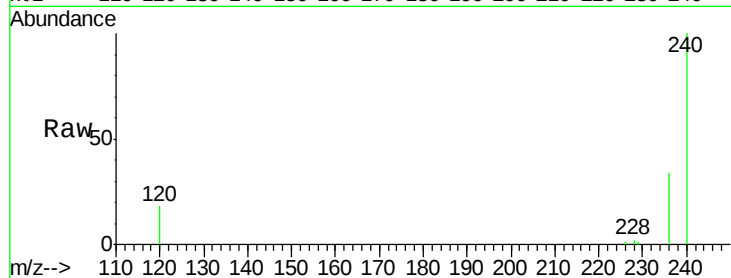




#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092213.D
Acq: 5 Aug 2016 10:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 1992
Ion Ratio Lower Upper
228 100
226 49.0 22.3 33.5#
229 70.1 16.9 25.3#



#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092213.D
Acq: 5 Aug 2016 10:49

Tgt Ion:264 Resp: 74699
Ion Ratio Lower Upper
264 100
260 24.9 20.8 31.2
265 23.0 16.6 25.0

