

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092214.D
 Acq On : 5 Aug 2016 11:28
 Operator : UM/SJ
 Sample : PB92633BL
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 05 17:17:28 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	9208	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	42609	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	24182	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	55825	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	70540	5.00	ng	0.00
28) Perylene-d12	24.14	264	69394	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	11487	4.86	ng	0.00
5) Phenol-d6	7.35	99	9494	3.01	ng	0.00
7) Nitrobenzene-d5	9.34	82	14377	4.28	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8774	11.17	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	33374	4.36	ng	0.00
24) Terphenyl-d14	20.19	244	52635	5.20	ng	-0.02

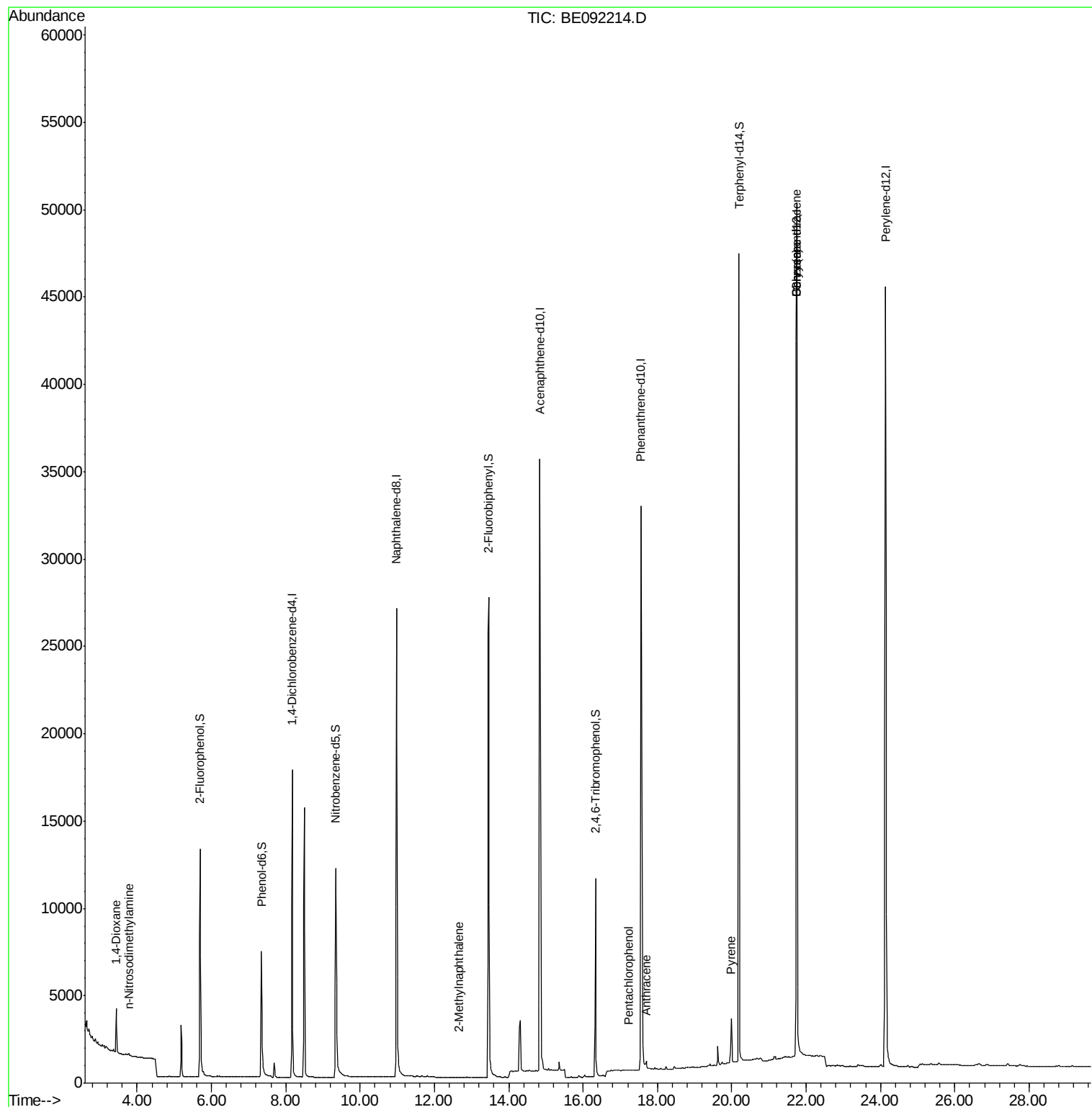
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	1566	1.25	ng	# 71
3) n-Nitrosodimethylamine	3.77	42	20	0.10	ng	# 6
9) 2-Methylnaphthalene	12.66	142	46	0.02	ng	# 50
18) Pentachlorophenol	17.24	266	12	0.20	ng	# 79
20) Anthracene	17.70	178	637	0.04	ng	# 99
23) Pyrene	19.99	202	3327	0.05	ng	# 88
25) Benzo(a)anthracene	21.73	228	2469	0.03	ng	# 49
26) Chrysene	21.73	228	2339	0.03	ng	# 51
30) Benzo(k)fluoranthene	23.40	252	111	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: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampled :

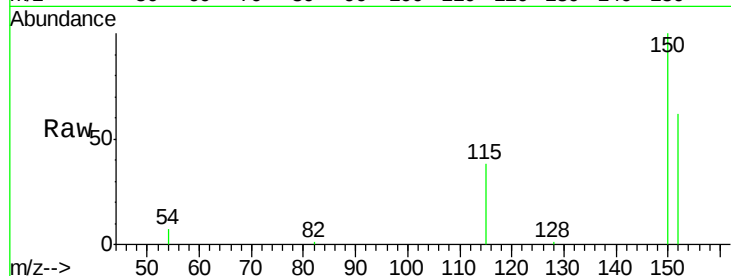
Tot Ion:152 Resp: 9208

Ion Ratio Lower Upper

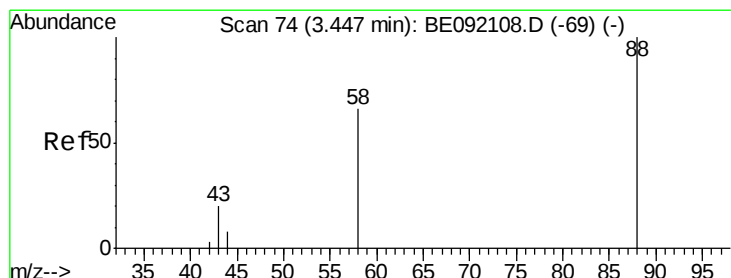
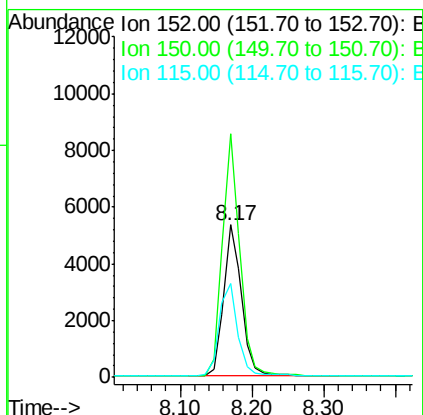
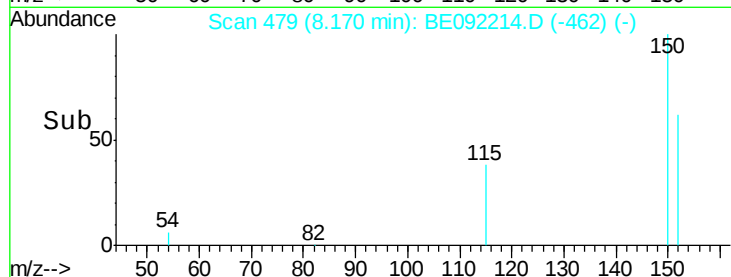
152 100

150 160.0 106.0 159.0#

115 61.5 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: 1.25 ng

RT: 3.43 min Scan# 73

Delta R.T. -0.01 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

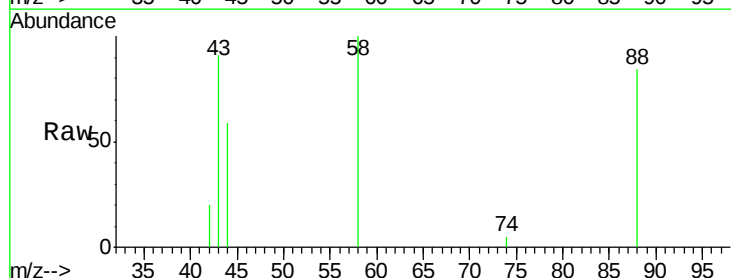
Tgt Ion: 88 Resp: 1566

Ion Ratio Lower Upper

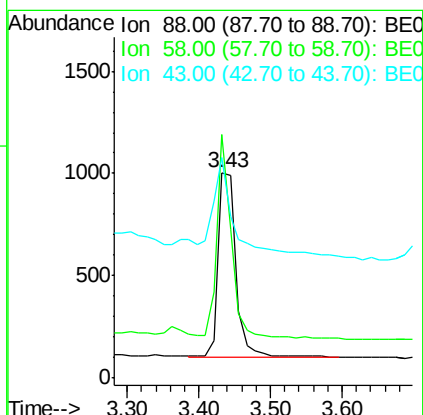
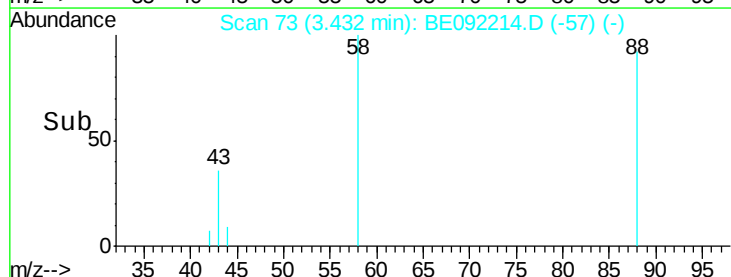
88 100

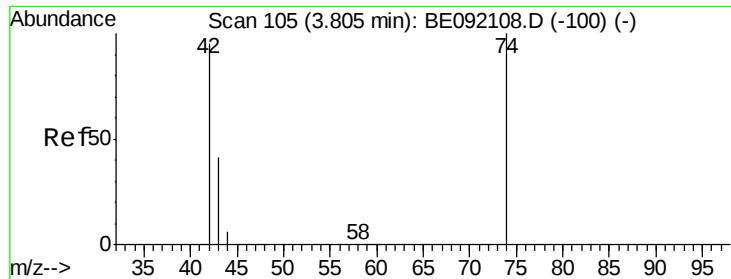
58 89.5 62.1 93.1

43 70.4 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



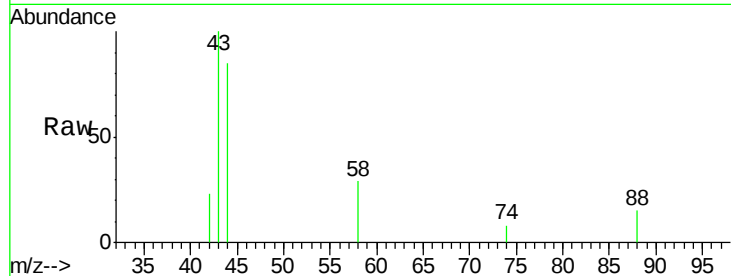


#3

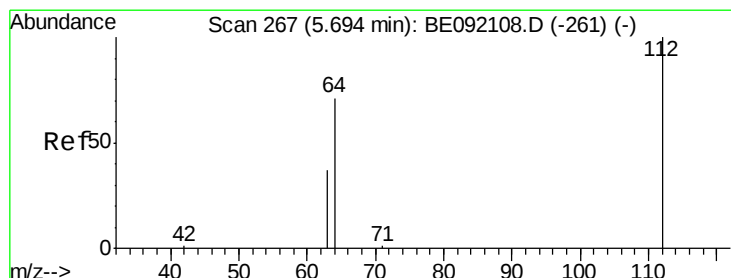
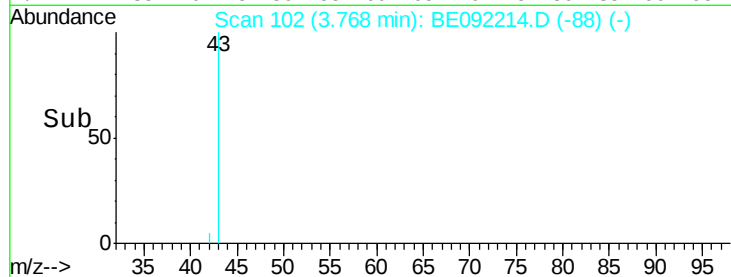
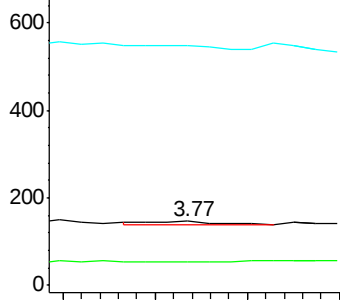
n-Nitrosodimethylamine
 Concen: 0.10 ng
 RT: 3.77 min Scan# 102
 Delta R.T. -0.04 min
 Lab File: BE092214.D
 Acq: 5 Aug 2016 11:28

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 20
 Ion Ratio Lower Upper
 42 100
 74 0.0 82.8 124.2#
 44 0.0 9.0 13.4#



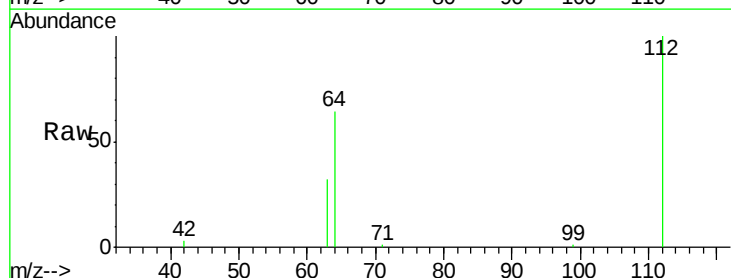
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



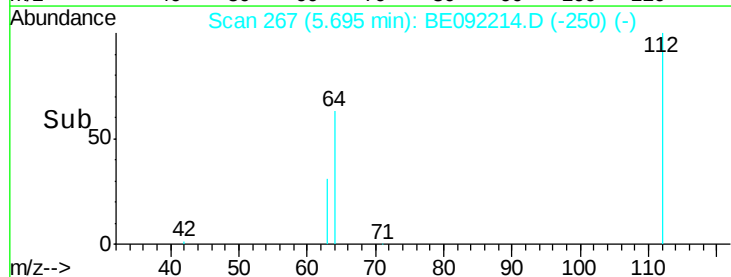
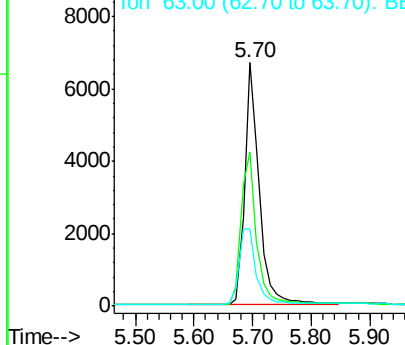
#4

2-Fluorophenol
 Concen: 4.86 ng
 RT: 5.70 min Scan# 267
 Delta R.T. 0.00 min
 Lab File: BE092214.D
 Acq: 5 Aug 2016 11:28

Tgt Ion: 112 Resp: 11487
 Ion Ratio Lower Upper
 112 100
 64 67.7 55.9 83.9
 63 36.2 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: 3.01 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

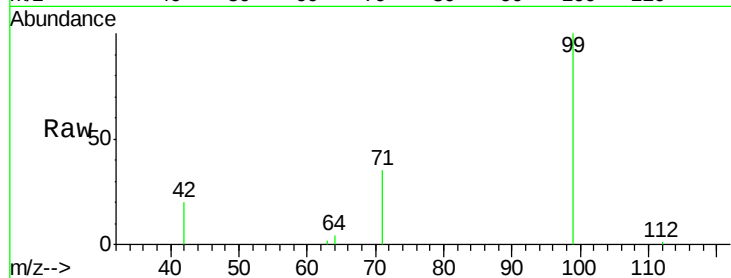
Tot Ion: 99 Resp: 9494

Ion Ratio Lower Upper

99 100

42 24.9 22.4 33.6

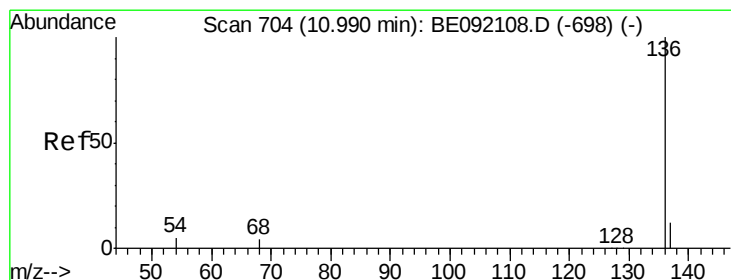
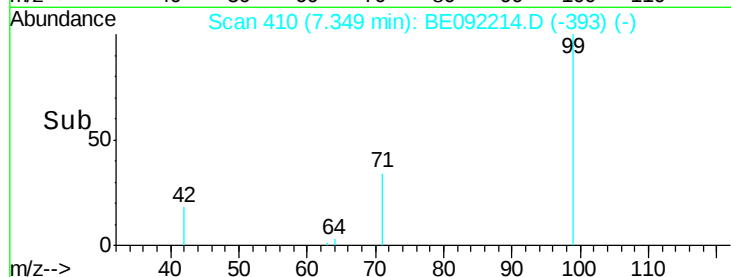
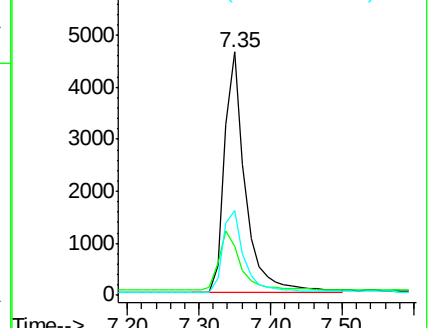
71 35.5 28.9 43.3



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: BE092214.D

Acq: 5 Aug 2016 11:28

Tgt Ion: 136 Resp: 42609

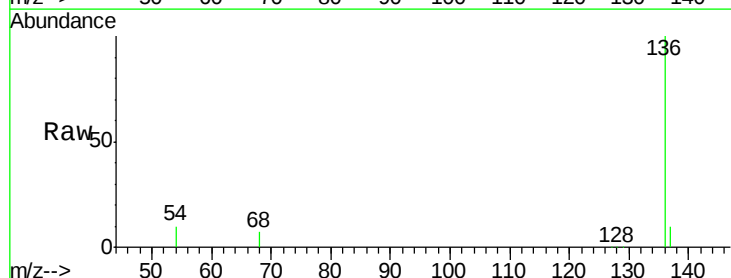
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 9.8 2.7 4.1#

68 7.0 2.2 3.4#

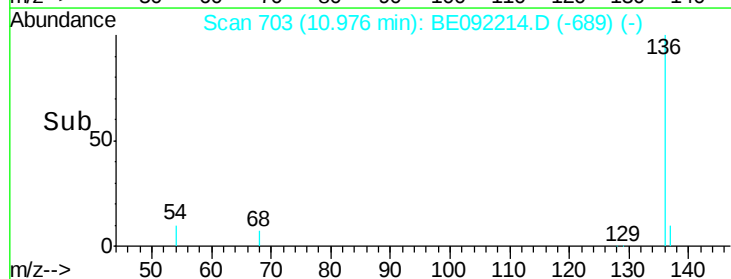
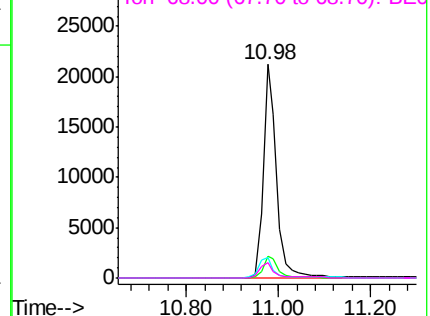


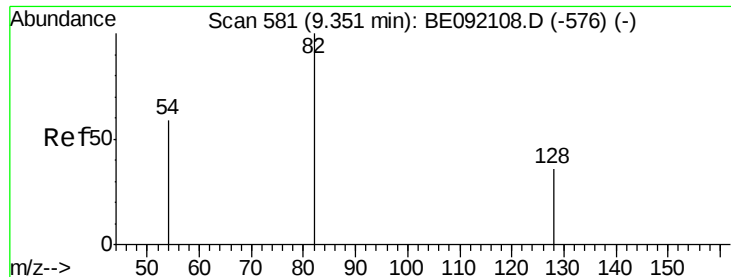
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 4.28 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

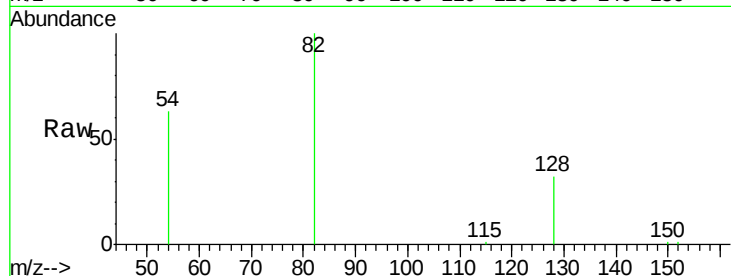
Tot Ion: 82 Resp: 14377

Ion Ratio Lower Upper

82 100

128 31.5 33.0 49.4#

54 63.5 42.6 63.8

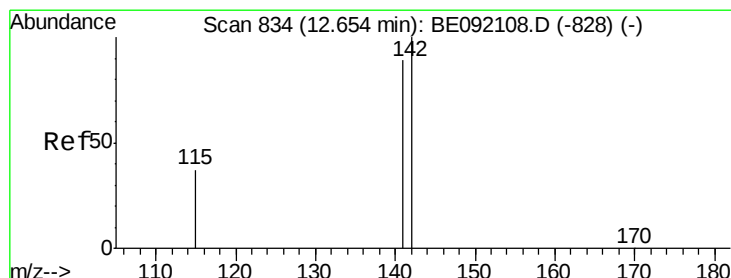
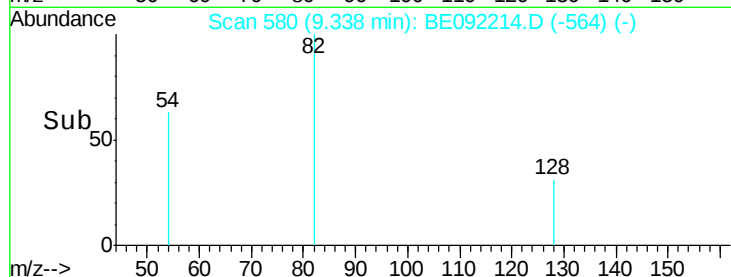


Abundance Ion 82.00 (81.70 to 82.70): BE092108.D (-576) (-)

Ion 128.00 (127.70 to 128.70): BE092108.D (-576) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-576) (-)

Time-->



#9

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.66 min Scan# 835

Delta R.T. 0.01 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

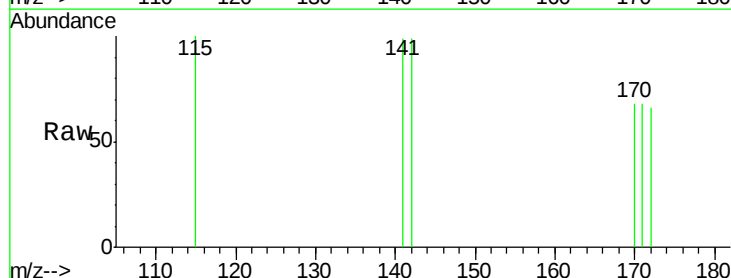
Tgt Ion: 142 Resp: 46

Ion Ratio Lower Upper

142 100

141 100.0 65.1 97.7#

115 101.5 27.0 40.4#

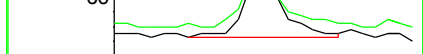
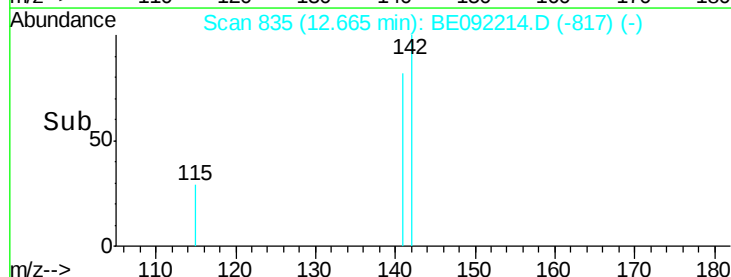


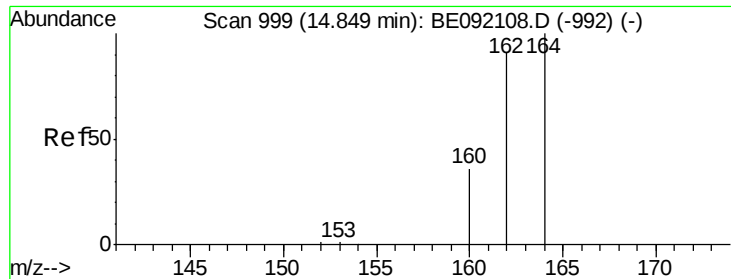
Abundance Ion 142.00 (141.70 to 142.70): BE092108.D (-828) (-)

Ion 141.00 (140.70 to 141.70): BE092108.D (-828) (-)

Ion 115.00 (114.70 to 115.70): BE092108.D (-828) (-)

Time-->





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

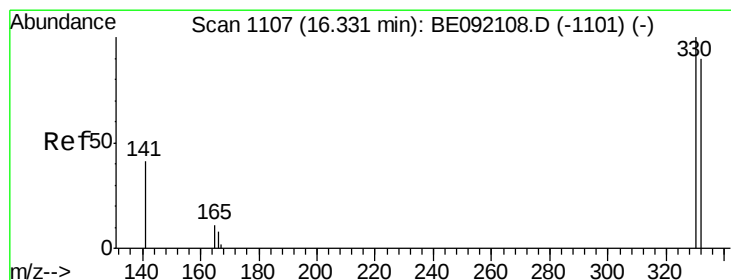
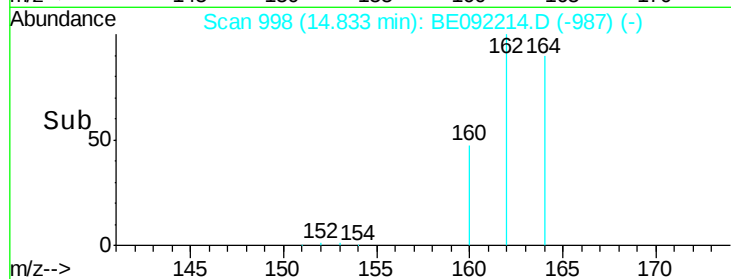
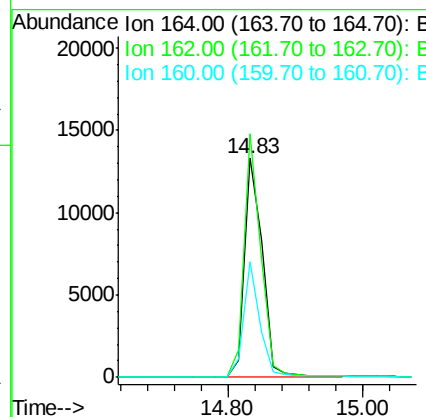
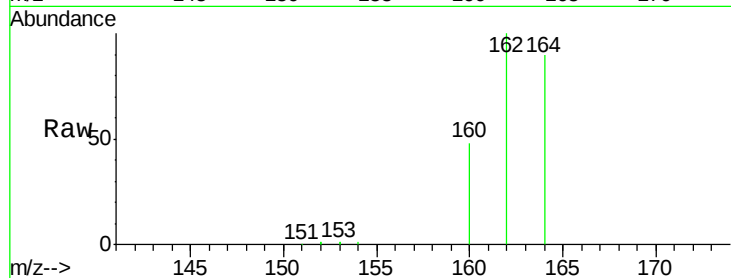
Tot Ion:164 Resp: 24182

Ion Ratio Lower Upper

164 100

162 111.3 69.5 104.3#

160 53.0 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 11.17 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

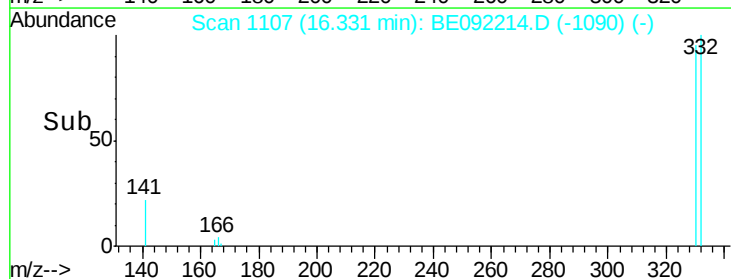
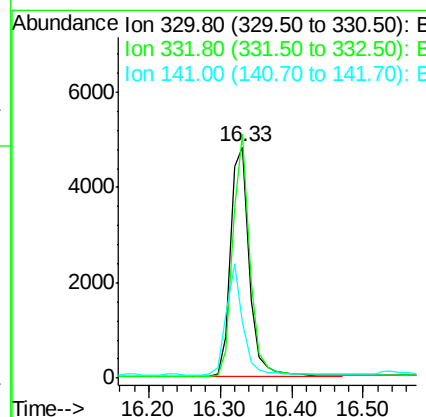
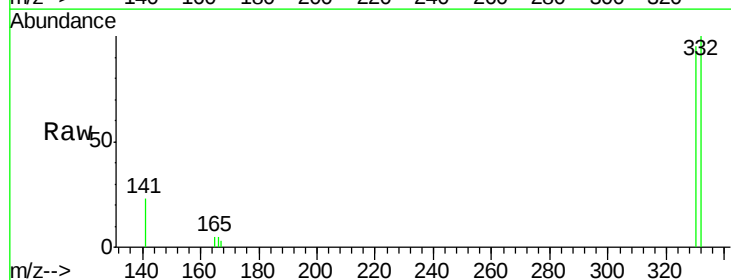
Tgt Ion:330 Resp: 8774

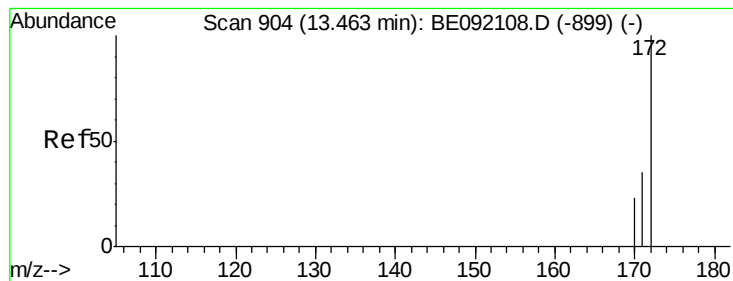
Ion Ratio Lower Upper

330 100

332 96.4 74.2 111.4

141 42.9 139.8 209.8#

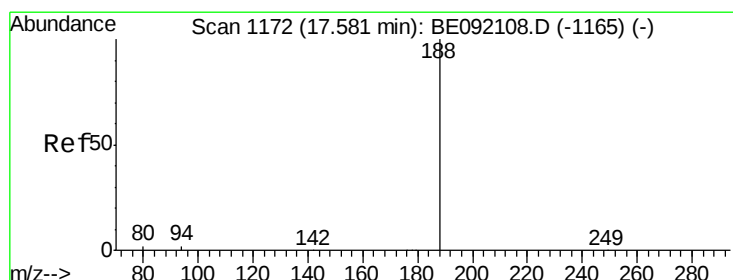
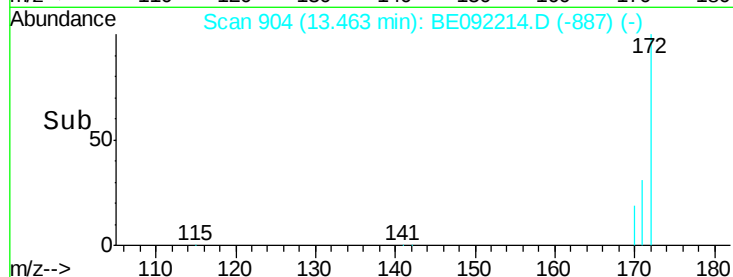
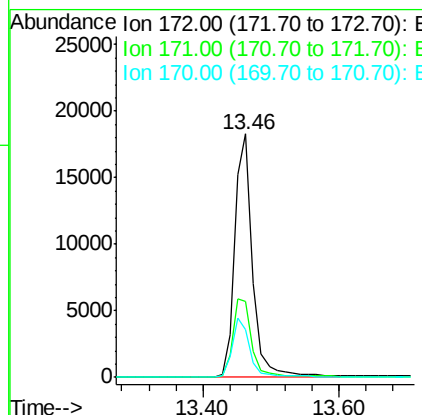
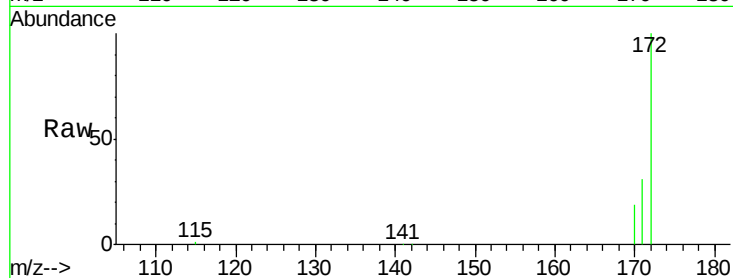




#12
2-Fluorobiphenyl
Concen: 4.36 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

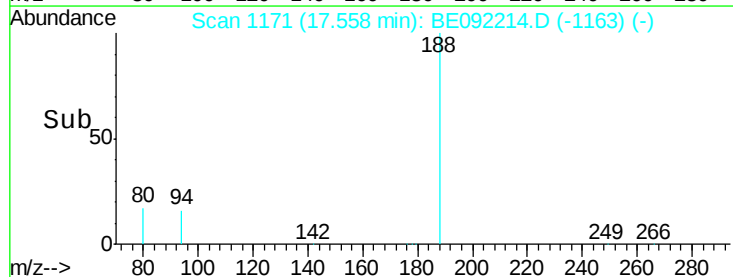
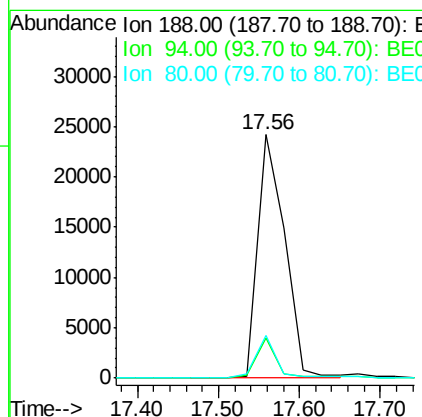
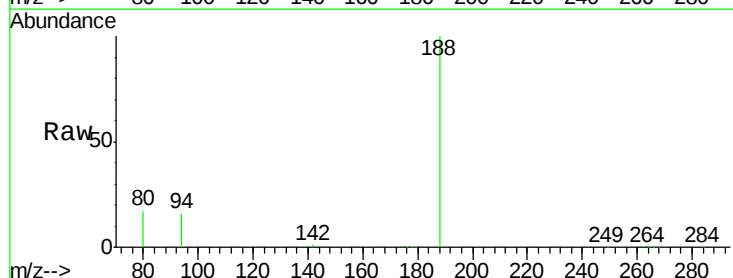
Instrument :
BNA_E
ClientSampled :

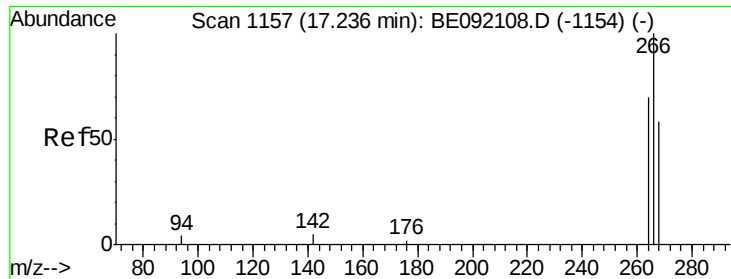
Tot Ion:172 Resp: 33374
Ion Ratio Lower Upper
172 100
171 31.4 30.3 45.5
170 19.4 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

Tgt Ion:188 Resp: 55825
Ion Ratio Lower Upper
188 100
94 16.5 3.9 5.9#
80 17.4 3.4 5.0#

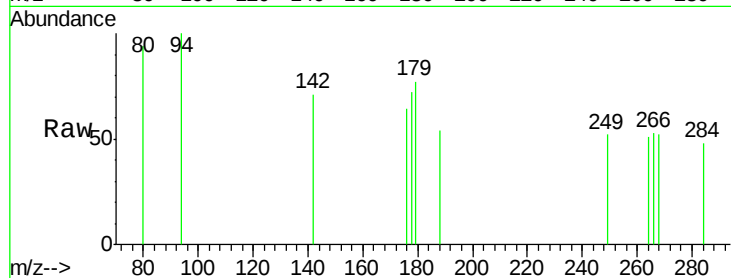




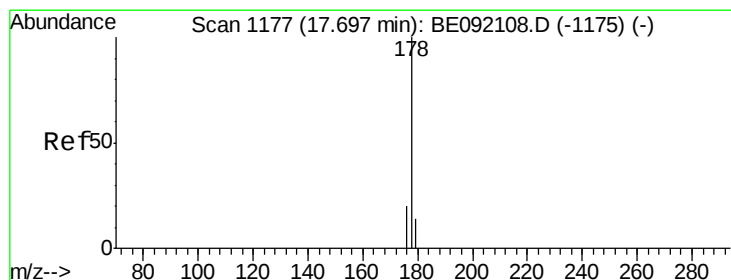
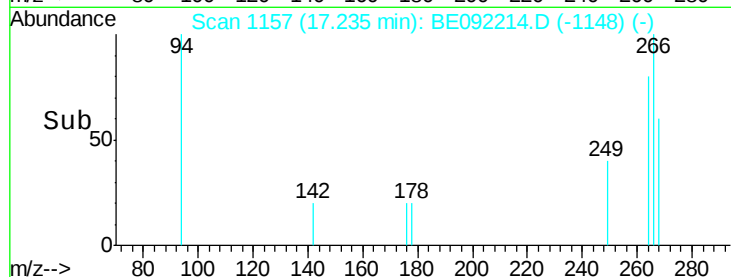
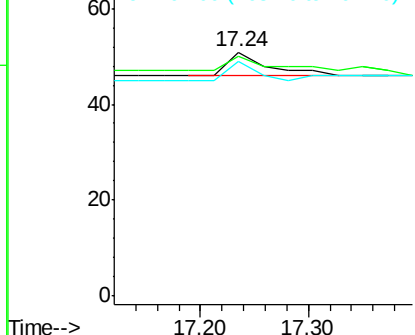
#18
 Pentachlorophenol
 Concen: 0.20 ng
 RT: 17.24 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BE092214.D
 Acq: 5 Aug 2016 11:28

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	98.0	62.7	94.1#
264	96.1	63.5	95.3#

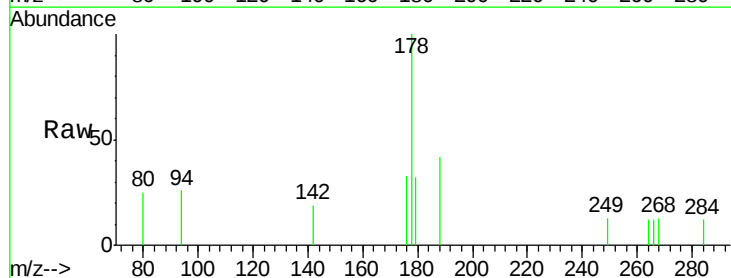


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

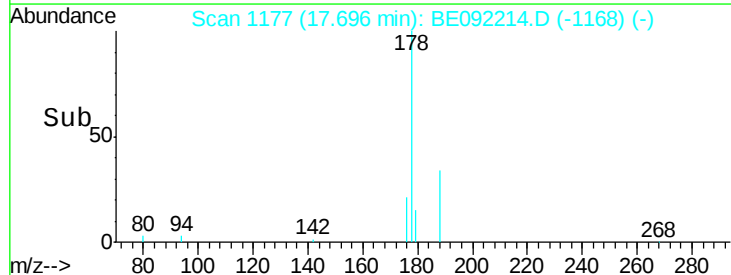
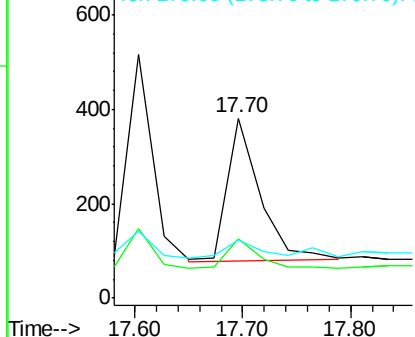


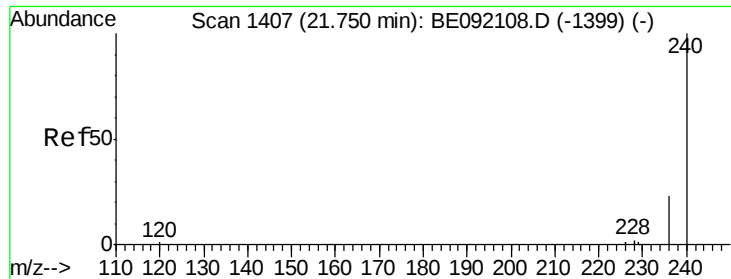
#20
 Anthracene
 Concen: 0.04 ng
 RT: 17.70 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: BE092214.D
 Acq: 5 Aug 2016 11:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	14.6	12.2	18.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

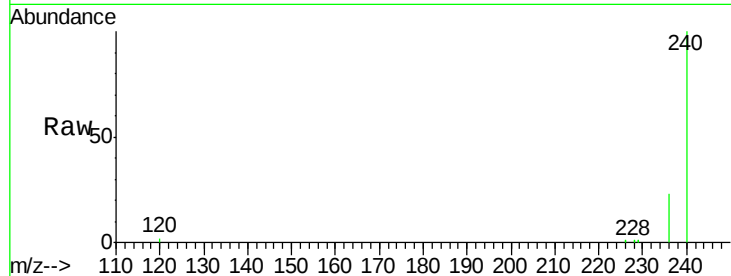
Tot Ion:240 Resp: 70540

Ion Ratio Lower Upper

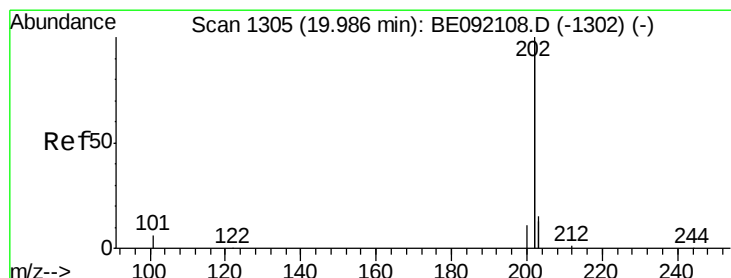
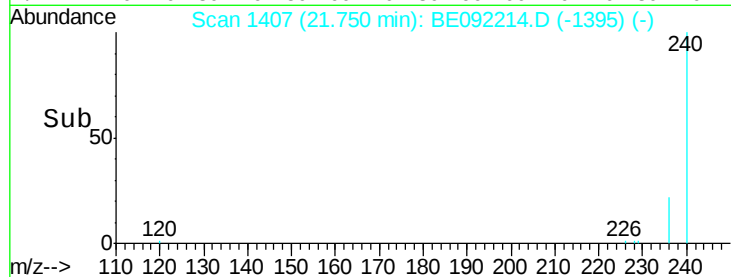
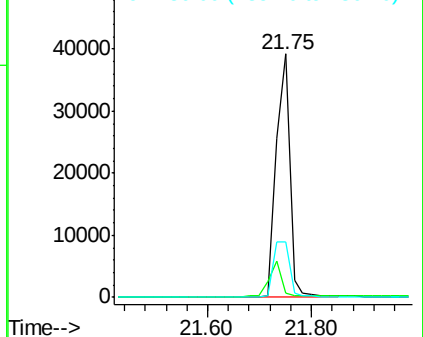
240 100

120 1.6 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



#23

Pyrene

Concen: 0.05 ng

RT: 19.99 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

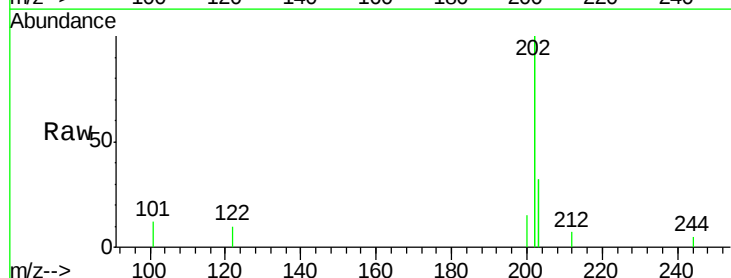
Tgt Ion:202 Resp: 3327

Ion Ratio Lower Upper

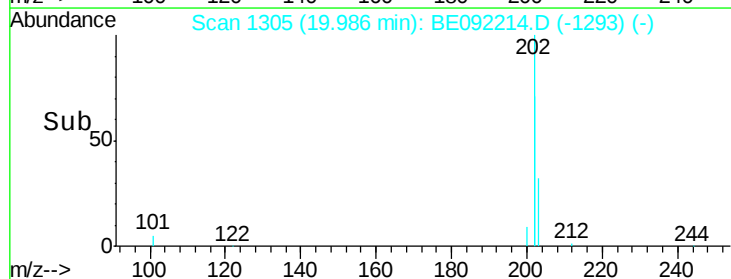
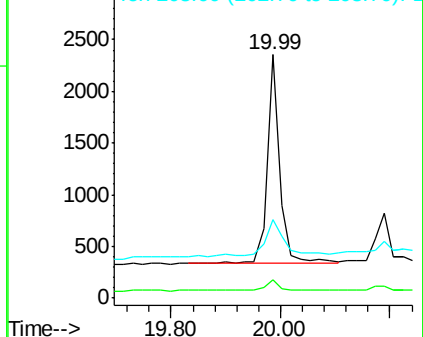
202 100

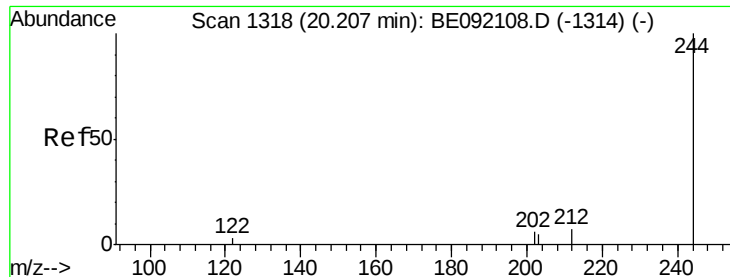
200 5.1 4.4 6.6

203 23.5 13.4 20.0#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

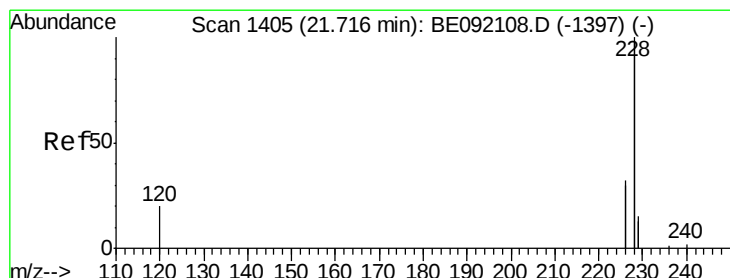
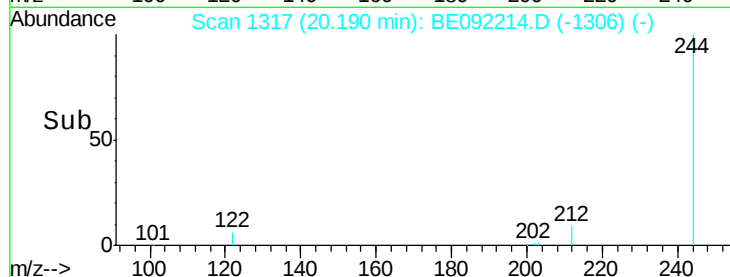
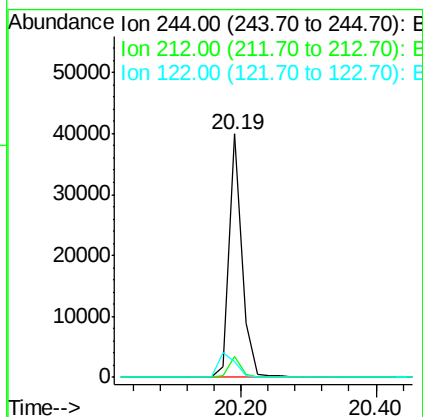
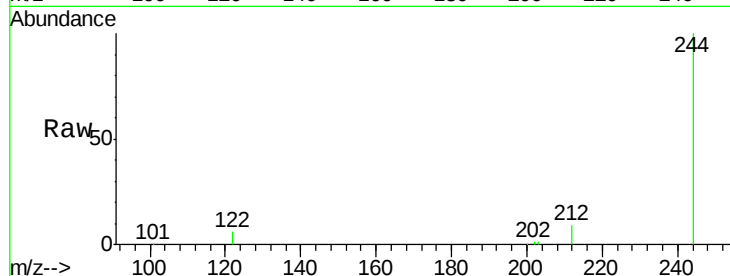




#24
 Terphenyl-d14
 Concen: 5.20 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092214.D
 Acq: 5 Aug 2016 11:28

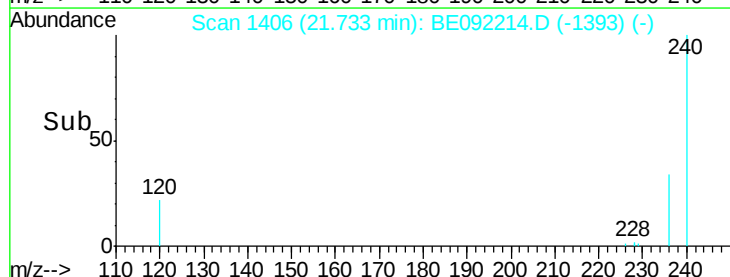
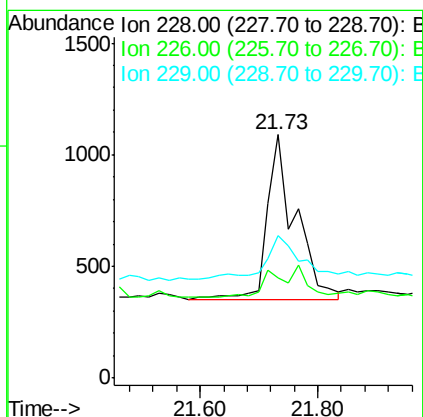
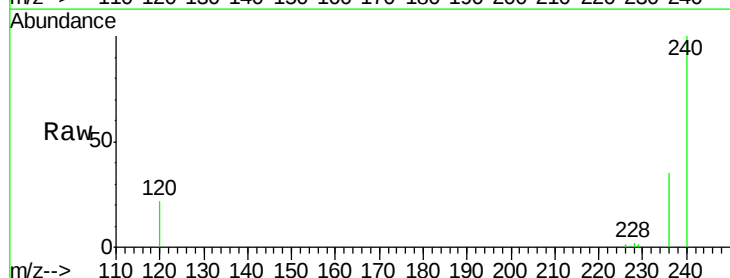
Instrument :
 BNA_E
 ClientSampled :

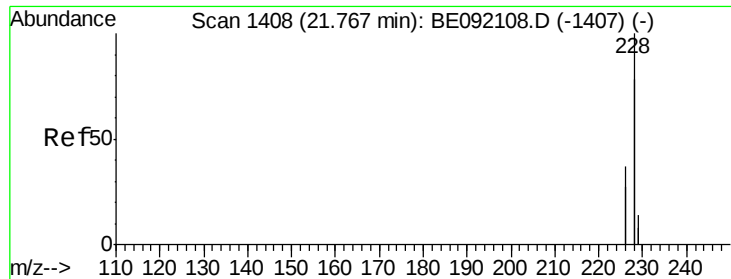
Tot Ion:244 Resp: 52635
 Ion Ratio Lower Upper
 244 100
 212 8.7 9.1 13.7#
 122 6.2 11.0 16.4#



#25
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.73 min Scan# 1406
 Delta R.T. 0.02 min
 Lab File: BE092214.D
 Acq: 5 Aug 2016 11:28

Tgt Ion:228 Resp: 2469
 Ion Ratio Lower Upper
 228 100
 226 41.3 22.1 33.1#
 229 58.7 15.1 22.7#

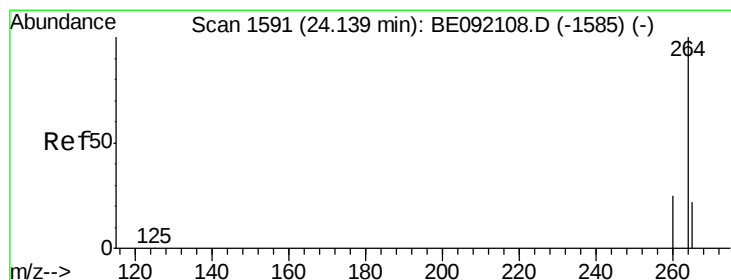
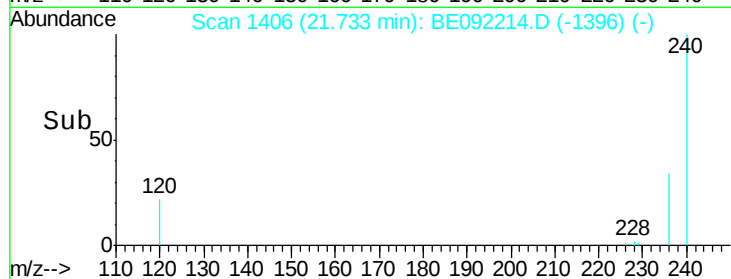
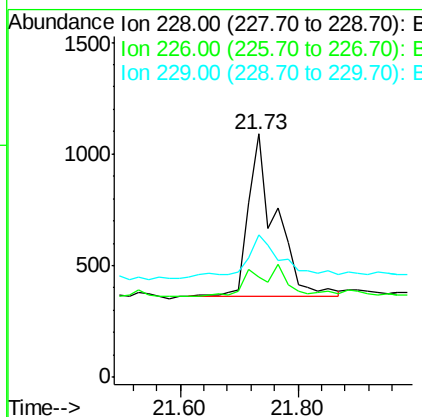
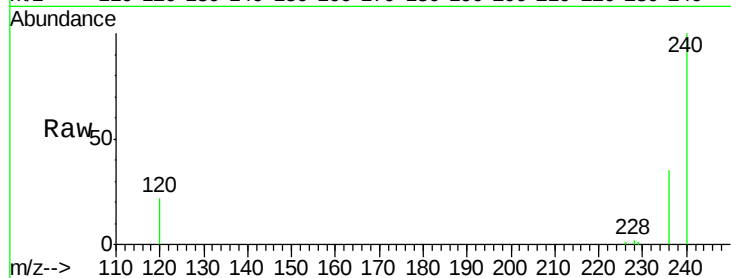




#26
Chrysene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

Instrument :
BNA_E
ClientSampled :

Tot Ion:228 Resp: 2339
Ion Ratio Lower Upper
228 100
226 41.3 22.3 33.5#
229 58.7 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: BE092214.D
Acq: 5 Aug 2016 11:28

Tgt Ion:264 Resp: 69394
Ion Ratio Lower Upper
264 100
260 24.5 20.8 31.2
265 23.0 16.6 25.0

