

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080216\
 Data File : BE092142.D
 Acq On : 3 Aug 2016 11:07
 Operator : UM/SJ
 Sample : H4176-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-24-9.5-15.0

Quant Time: Aug 03 12:47:43 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	12200	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	54021	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29319	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	64315	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	81780	5.00	ng	0.00
28) Perylene-d12	24.14	264	80876	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.68	112	210874	67.30	ng	-0.01
5) Phenol-d6	7.34	99	205041	49.12	ng	-0.01
7) Nitrobenzene-d5	9.34	82	346766	81.35	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	131387	138.01	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	637285	68.59	ng	0.00
24) Terphenyl-d14	20.21	244	803147	68.38	ng	0.00

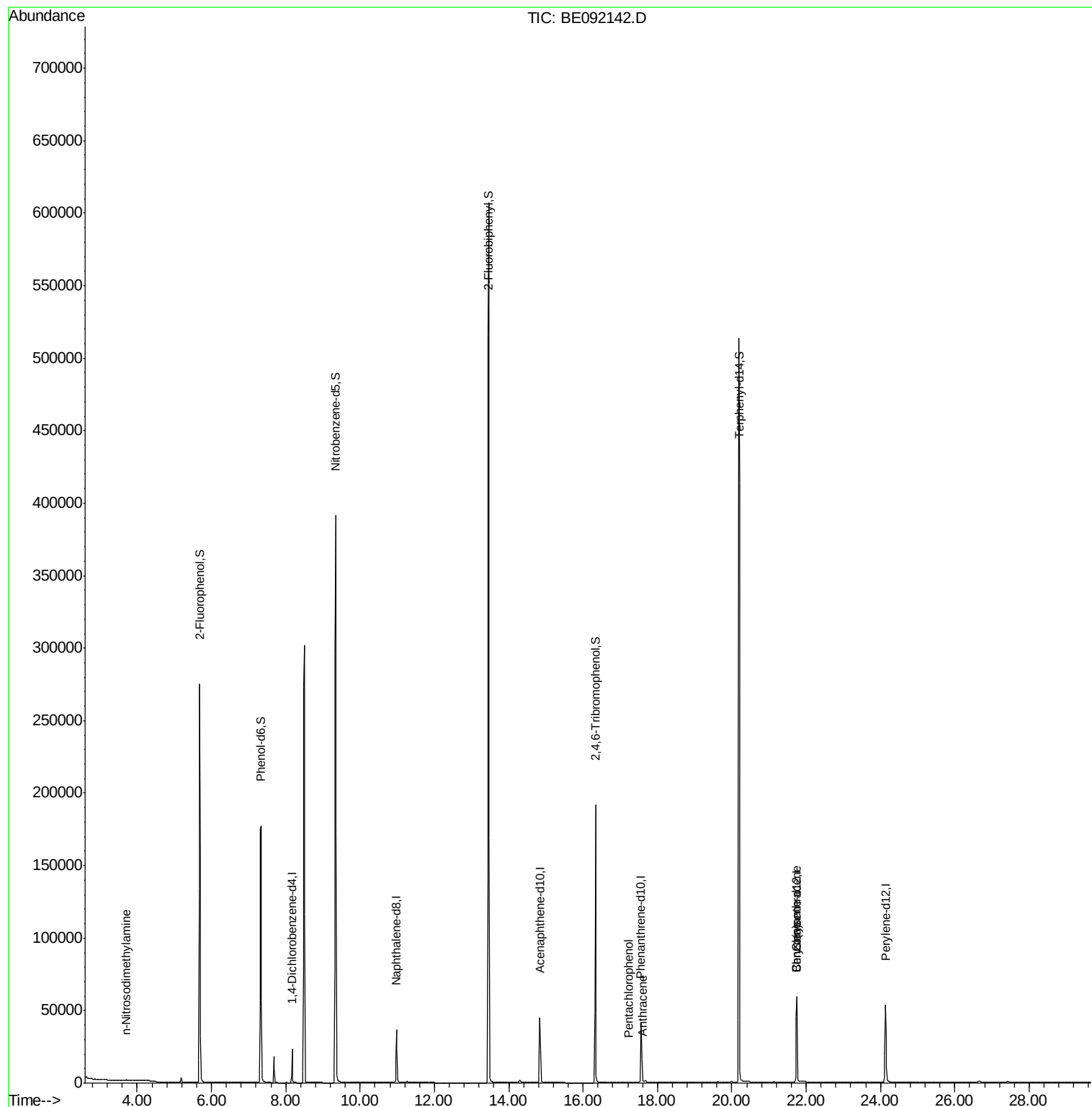
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.71	42	226	0.19	ng	# 1
8) Naphthalene	11.10	128	131	Below Cal		# 1
18) Pentachlorophenol	17.21	266	64	0.25	ng	# 75
19) Phenanthrene	17.60	178	372	Below Cal		# 72
20) Anthracene	17.60	178	372	0.02	ng	# 73
25) Benzo(a)anthracene	21.73	228	1807	0.02	ng	# 71
26) Chrysene	21.73	228	1820	0.02	ng	# 73
30) Benzo(k)fluoranthene	23.46	252	90	Below Cal		# 1

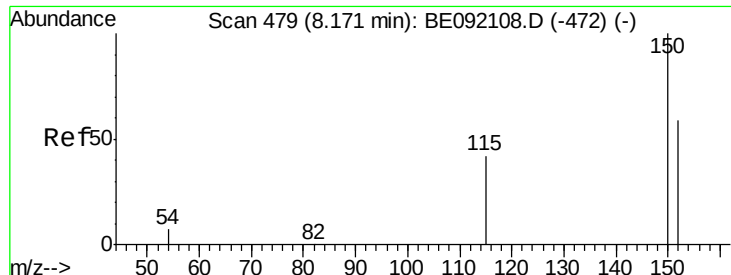
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080216\
Data File : BE092142.D
Acq On : 3 Aug 2016 11:07
Operator : UM/SJ
Sample : H4176-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-24-9.5-15.0

Quant Time: Aug 03 12:47:43 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092142.D

Acq: 3 Aug 2016 11:07

Instrument :

BNA_E

ClientSampleId :

GW-24-9.5-15.0

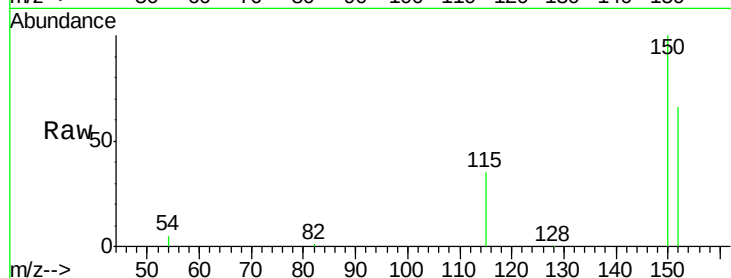
Tgt Ion:152 Resp: 12200

Ion Ratio Lower Upper

152 100

150 151.9 106.0 159.0

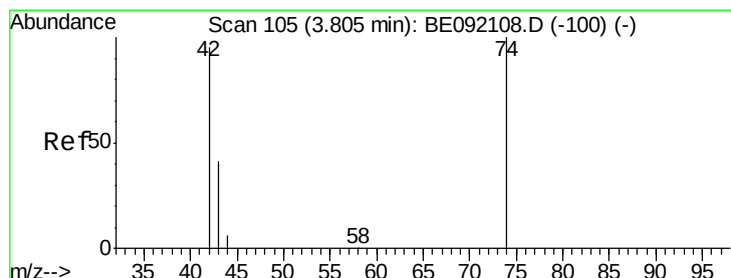
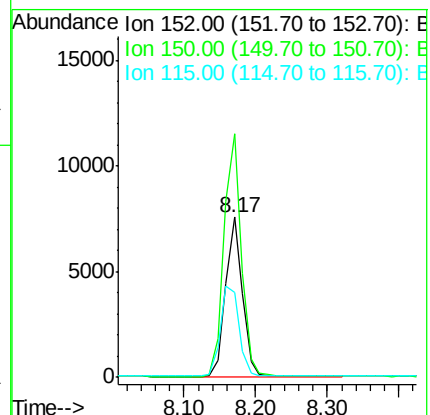
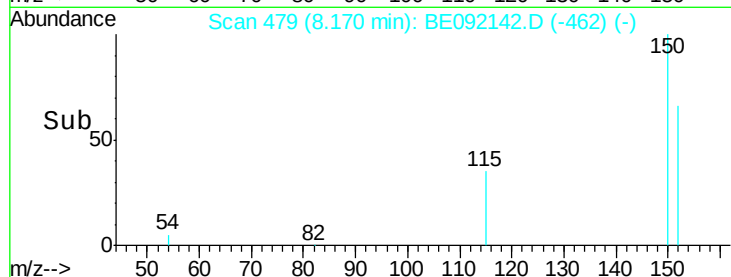
115 53.3 36.9 55.3



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



#3

n-Nitrosodimethylamine

Concen: 0.19 ng

RT: 3.71 min Scan# 97

Delta R.T. -0.09 min

Lab File: BE092142.D

Acq: 3 Aug 2016 11:07

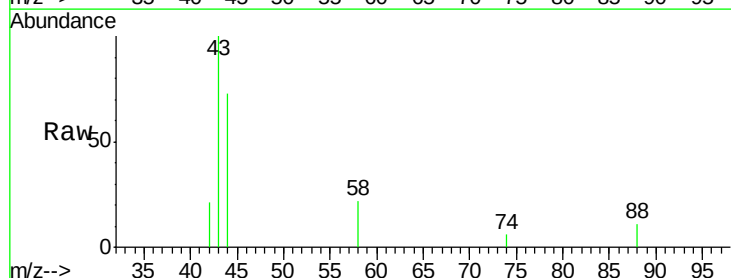
Tgt Ion: 42 Resp: 226

Ion Ratio Lower Upper

42 100

74 3.1 82.8 124.2#

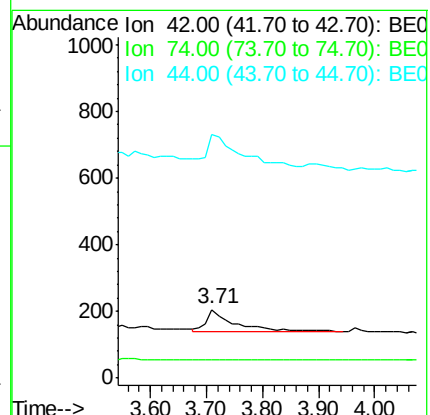
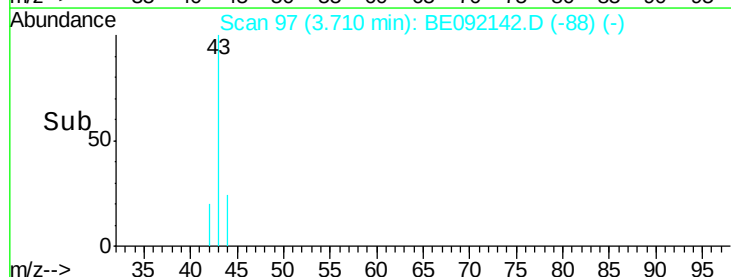
44 159.3 9.0 13.4#

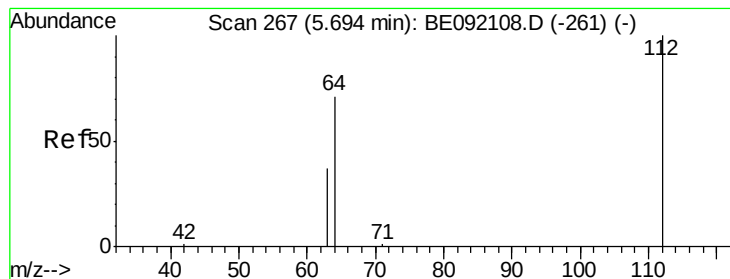


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 67.30 ng

RT: 5.68 min Scan# 266

Delta R.T. -0.01 min

Lab File: BE092142.D

Acq: 3 Aug 2016 11:07

Instrument :

BNA_E

ClientSampleId :

GW-24-9.5-15.0

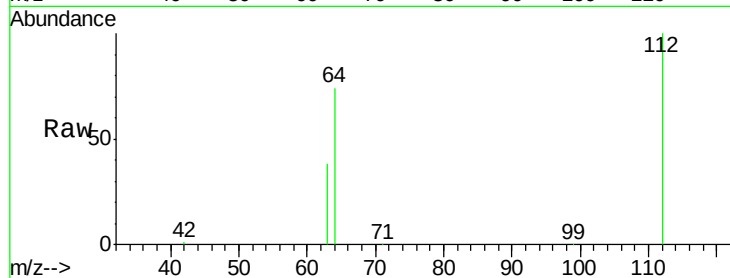
Tgt Ion: 112 Resp: 210874

Ion Ratio Lower Upper

112 100

64 68.5 55.9 83.9

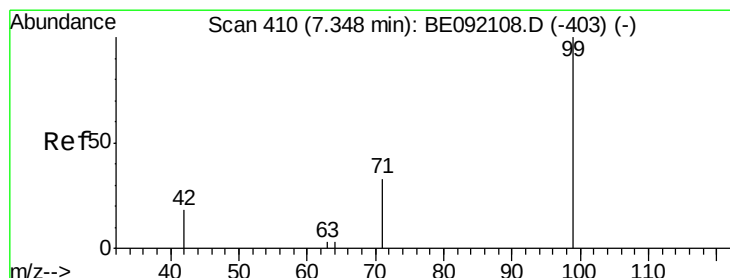
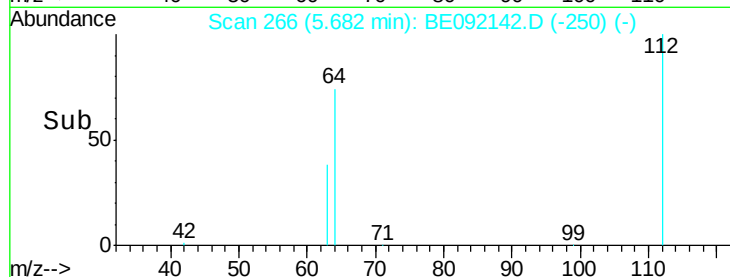
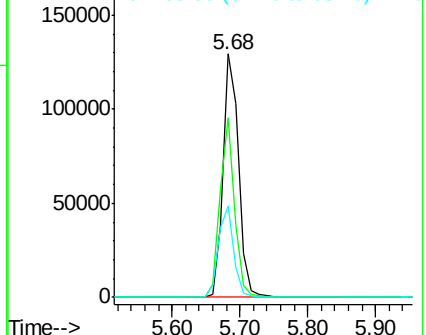
63 37.1 31.1 46.7



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: 49.12 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092142.D

Acq: 3 Aug 2016 11:07

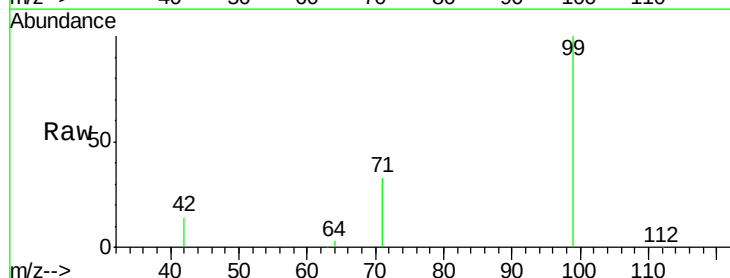
Tgt Ion: 99 Resp: 205041

Ion Ratio Lower Upper

99 100

42 25.0 22.4 33.6

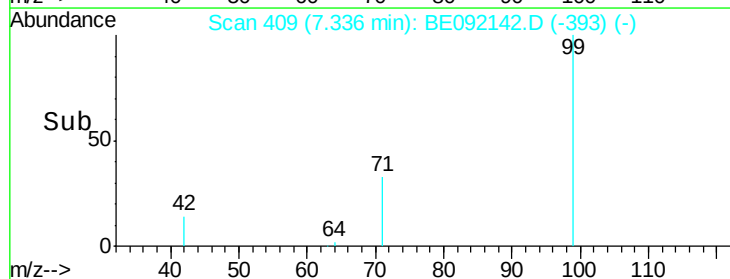
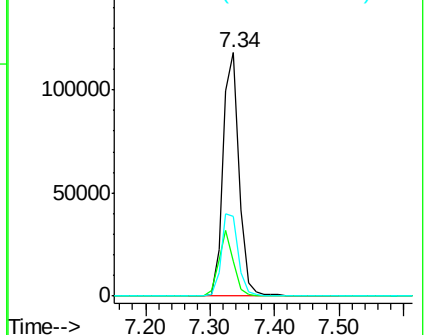
71 35.8 28.9 43.3

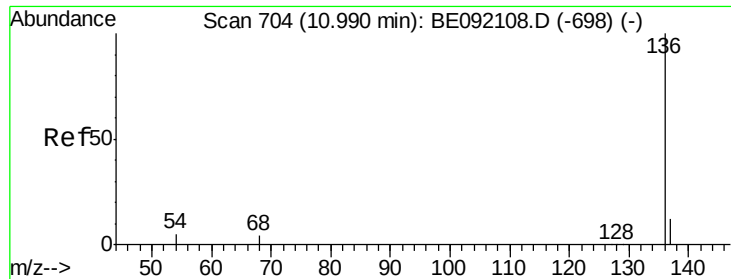


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

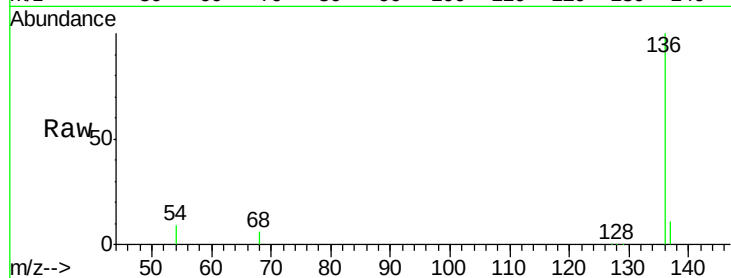




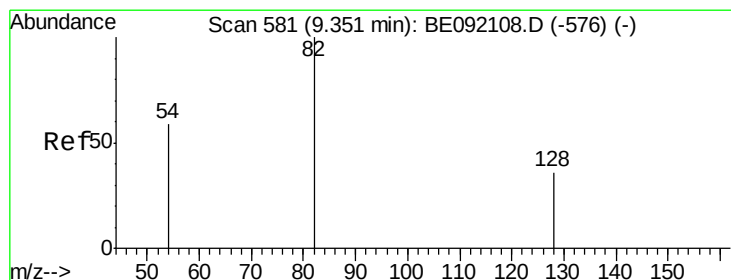
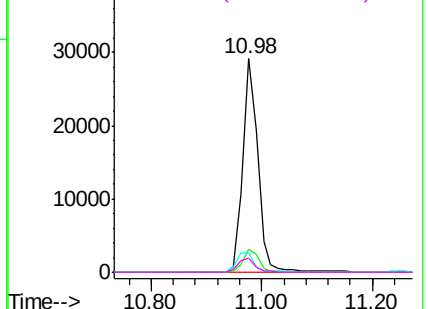
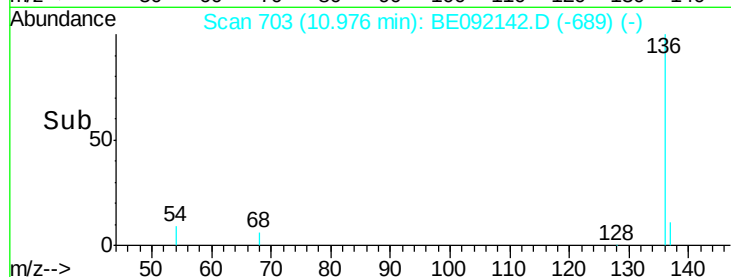
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092142.D
Acq: 3 Aug 2016 11:07

Instrument :
BNA_E
ClientSampleId :
GW-24-9.5-15.0

Tgt Ion: 136 Resp: 54021
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 8.7 2.7 4.1#
68 6.4 2.2 3.4#

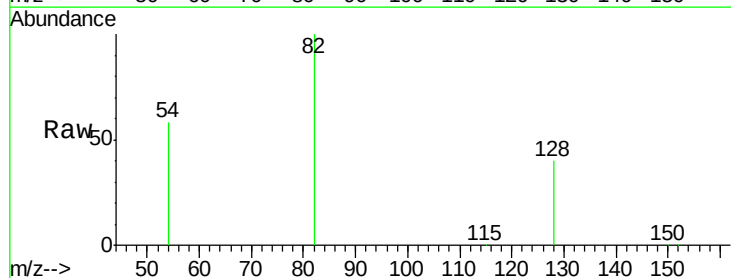


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

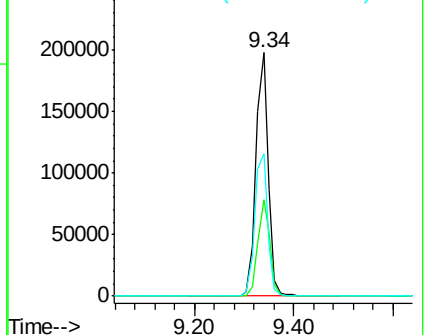
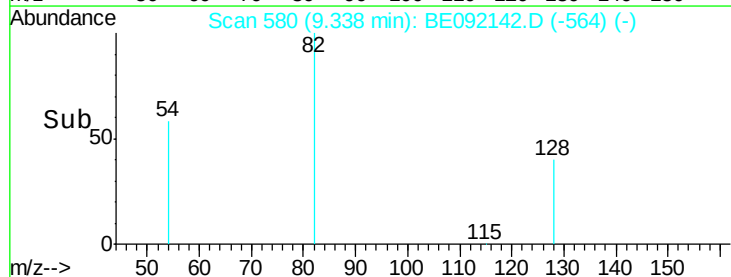


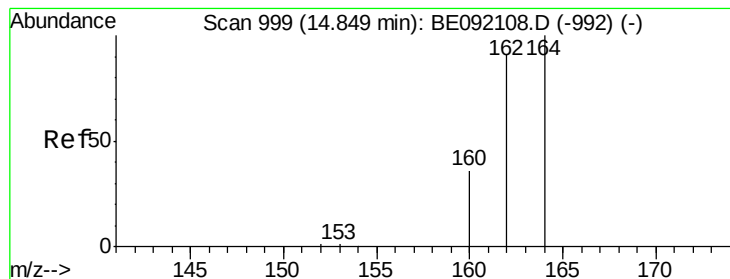
#7
Nitrobenzene-d5
Concen: 81.35 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092142.D
Acq: 3 Aug 2016 11:07

Tgt Ion: 82 Resp: 346766
Ion Ratio Lower Upper
82 100
128 39.7 33.0 49.4
54 58.4 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092142.D

Acq: 3 Aug 2016 11:07

Instrument :

BNA_E

ClientSampleId :

GW-24-9.5-15.0

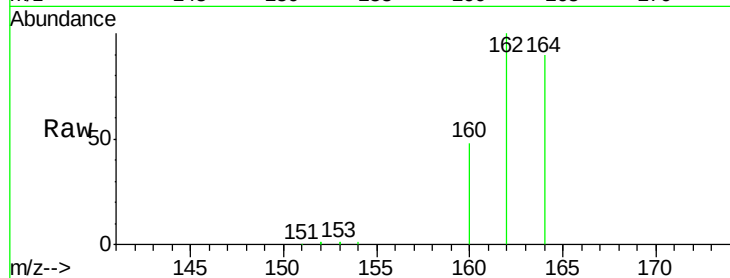
Tgt Ion:164 Resp: 29319

Ion Ratio Lower Upper

164 100

162 111.6 69.5 104.3#

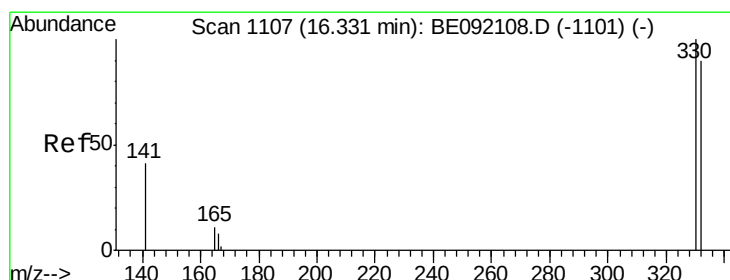
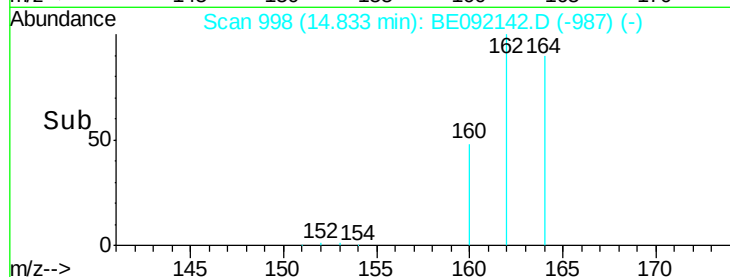
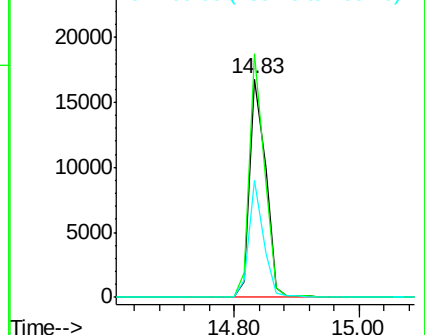
160 53.5 27.6 41.4#



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: 138.01 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092142.D

Acq: 3 Aug 2016 11:07

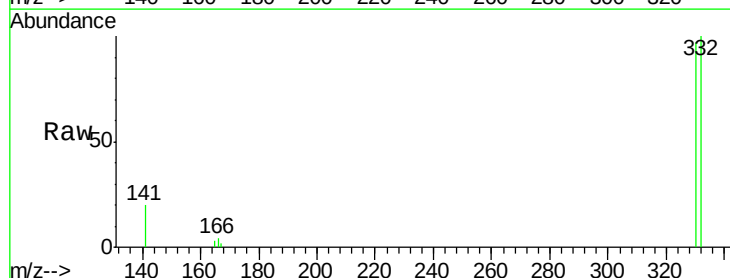
Tgt Ion:330 Resp: 131387

Ion Ratio Lower Upper

330 100

332 96.9 74.2 111.4

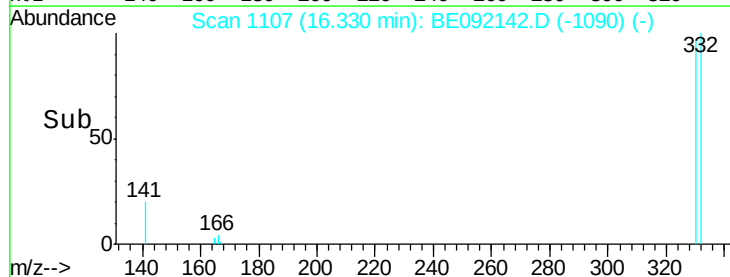
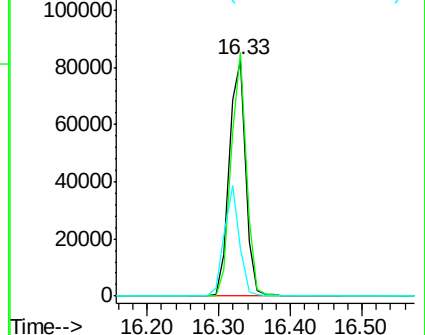
141 43.4 139.8 209.8#

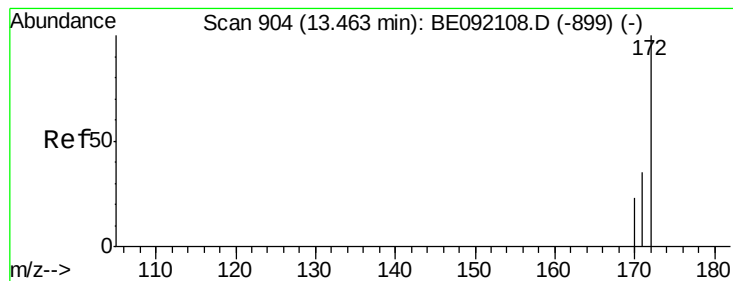


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

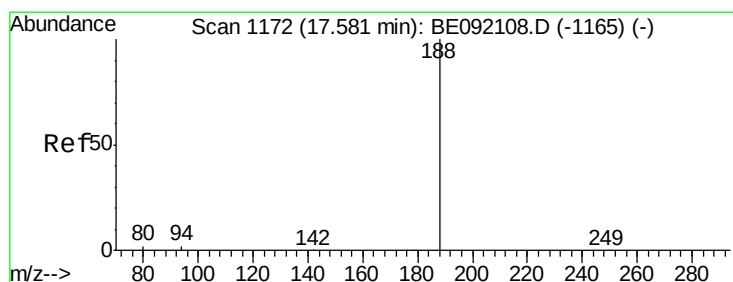
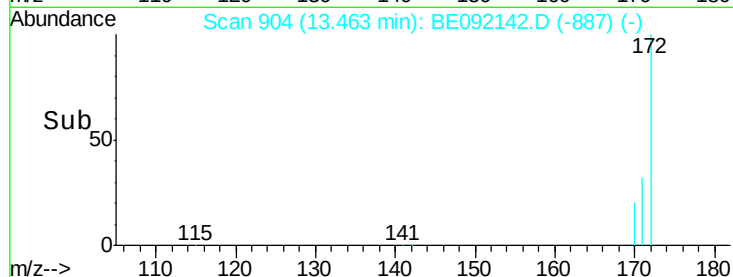
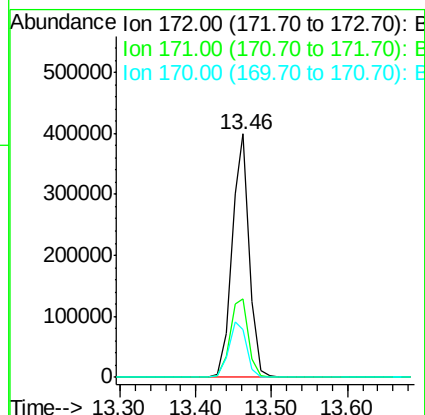
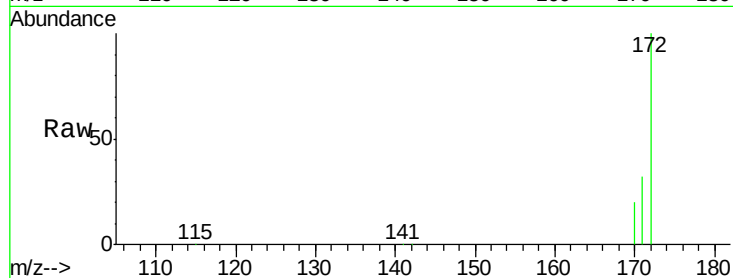




#12
2-Fluorobiphenyl
Concen: 68.59 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092142.D
Acq: 3 Aug 2016 11:07

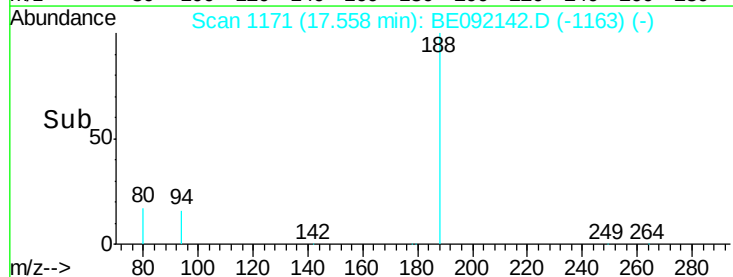
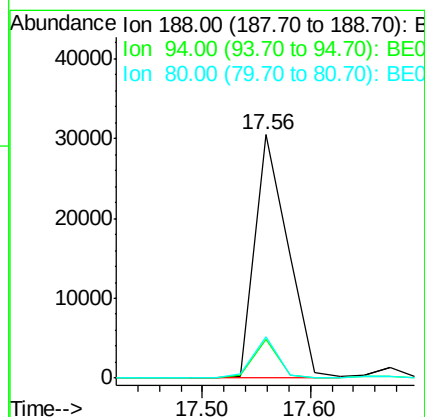
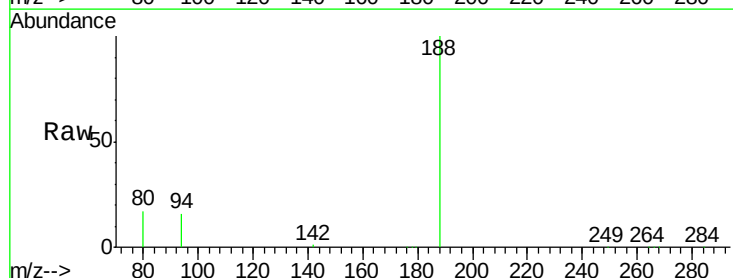
Instrument :
BNA_E
ClientSampleId :
GW-24-9.5-15.0

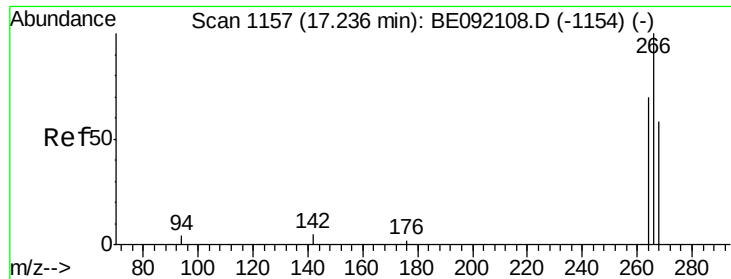
Tgt Ion:172 Resp: 637285
Ion Ratio Lower Upper
172 100
171 32.2 30.3 45.5
170 19.6 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092142.D
Acq: 3 Aug 2016 11:07

Tgt Ion:188 Resp: 64315
Ion Ratio Lower Upper
188 100
94 16.1 3.9 5.9#
80 16.9 3.4 5.0#

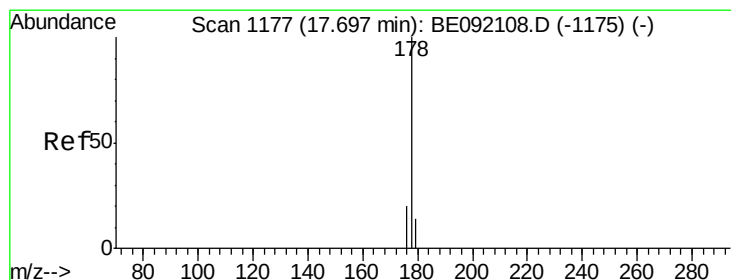
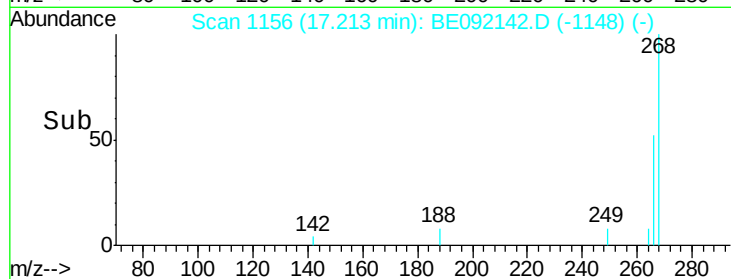
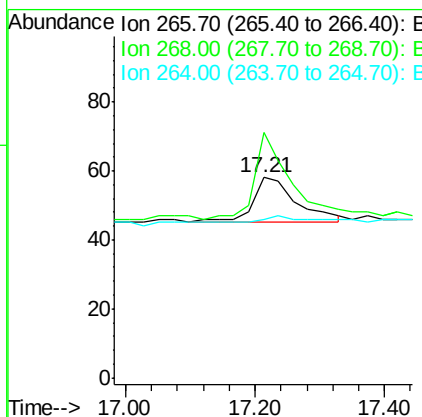
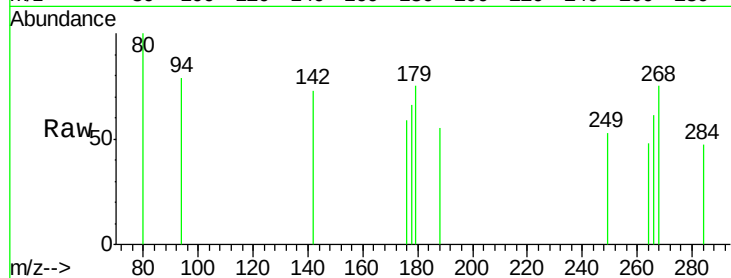




#18
 Pentachlorophenol
 Concen: 0.25 ng
 RT: 17.21 min Scan# 1156
 Delta R.T. -0.02 min
 Lab File: BE092142.D
 Acq: 3 Aug 2016 11:07

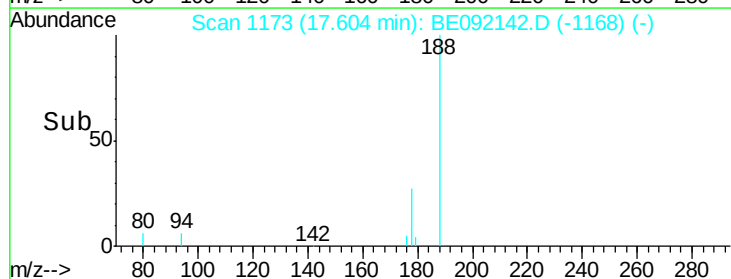
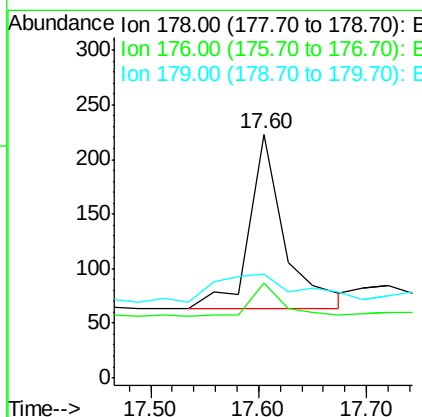
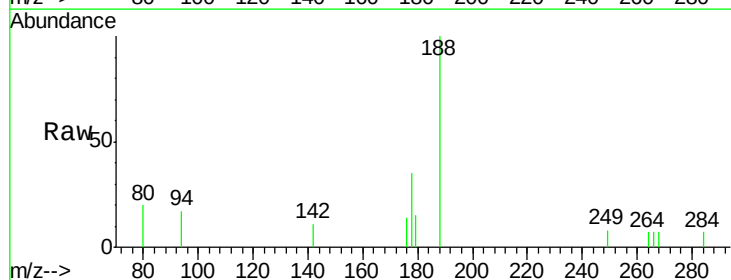
Instrument :
 BNA_E
 ClientSampleId :
 GW-24-9.5-15.0

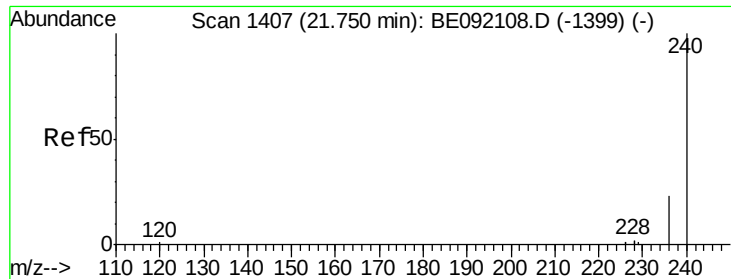
Tgt Ion: 266 Resp: 64
 Ion Ratio Lower Upper
 266 100
 268 122.4 62.7 94.1#
 264 79.3 63.5 95.3



#20
 Anthracene
 Concen: 0.02 ng
 RT: 17.60 min Scan# 1173
 Delta R.T. -0.09 min
 Lab File: BE092142.D
 Acq: 3 Aug 2016 11:07

Tgt Ion: 178 Resp: 372
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.2 22.8
 179 39.0 12.2 18.4#

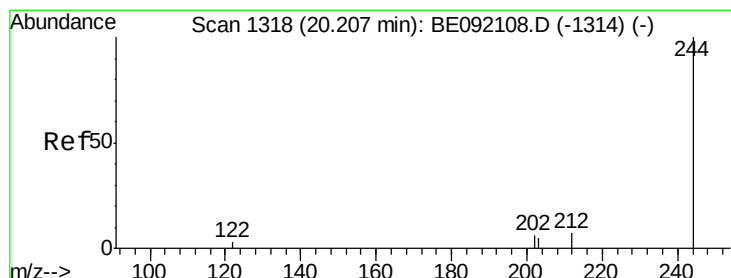
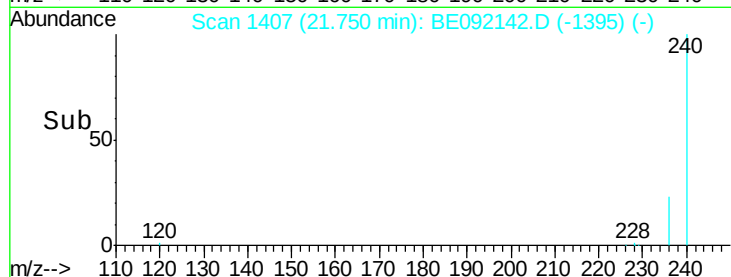
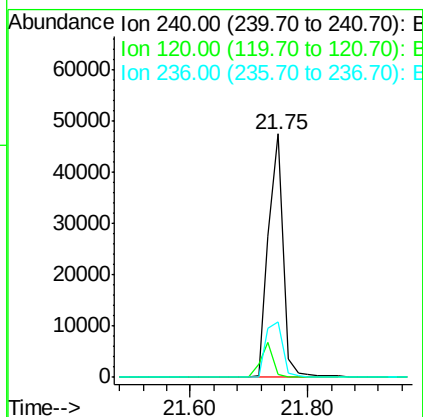
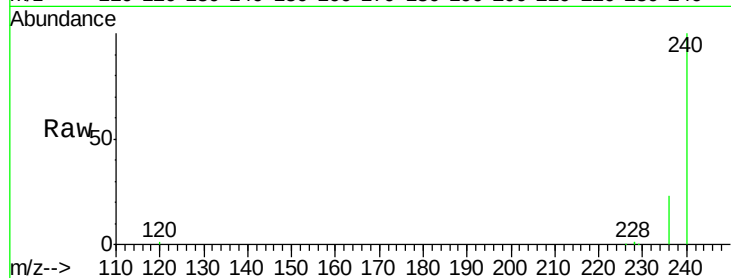




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092142.D
Acq: 3 Aug 2016 11:07

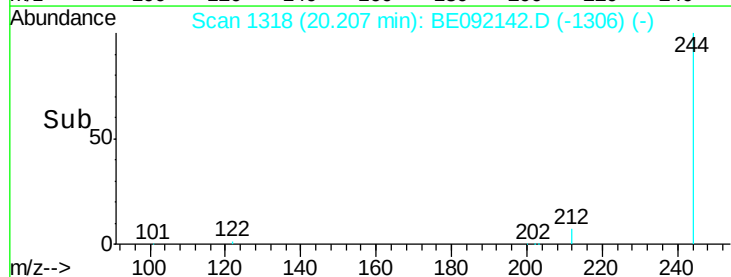
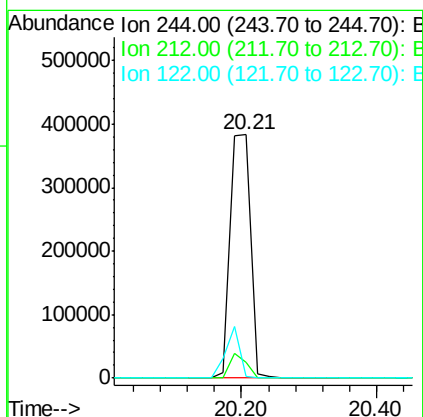
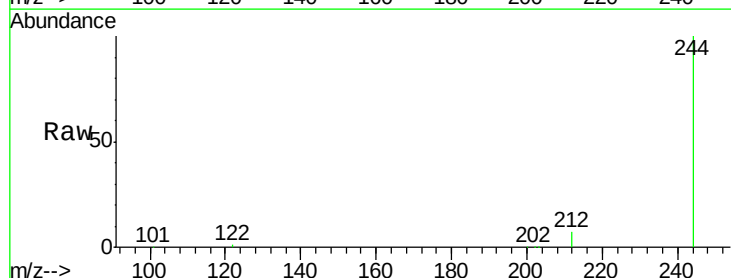
Instrument :
BNA_E
ClientSampleId :
GW-24-9.5-15.0

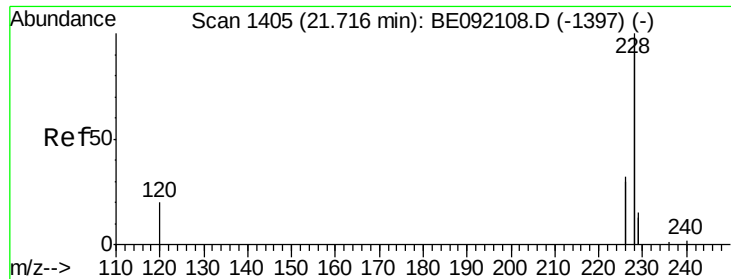
Tgt Ion:240 Resp: 81780
Ion Ratio Lower Upper
240 100
120 1.4 0.6 1.0#
236 22.7 18.2 27.4



#24
Terphenyl-d14
Concen: 68.38 ng
RT: 20.21 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BE092142.D
Acq: 3 Aug 2016 11:07

Tgt Ion:244 Resp: 803147
Ion Ratio Lower Upper
244 100
212 6.7 9.1 13.7#
122 0.6 11.0 16.4#

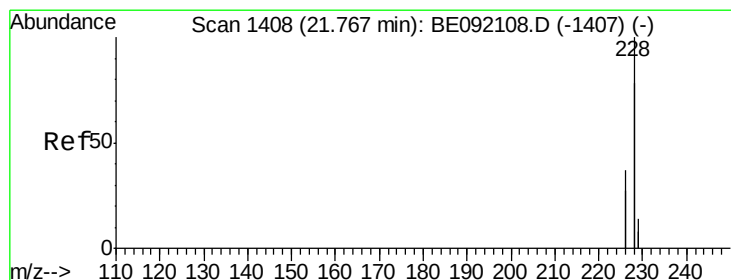
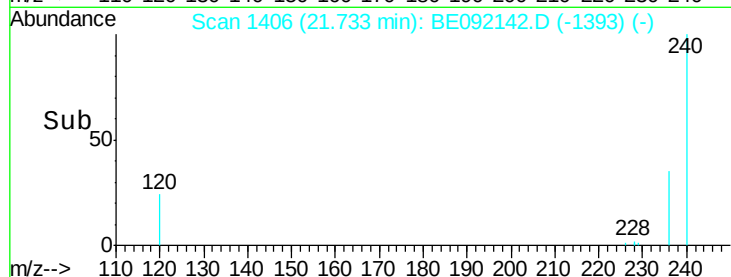
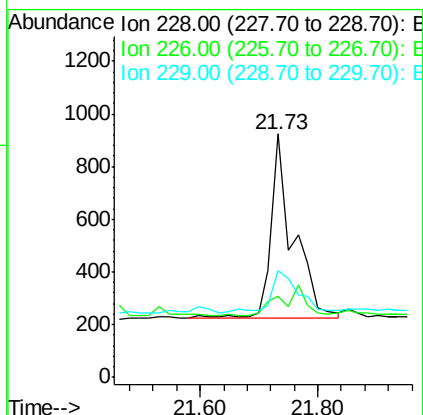
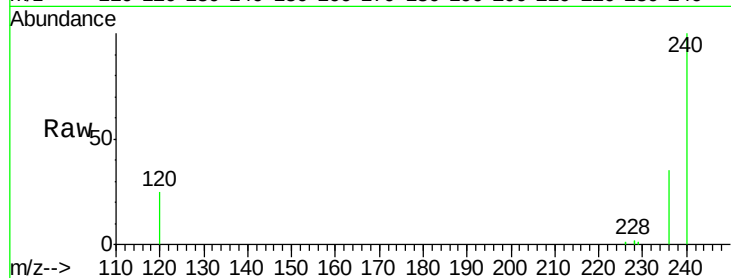




#25
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092142.D
Acq: 3 Aug 2016 11:07

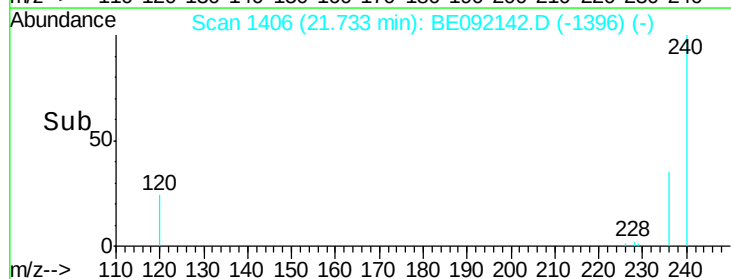
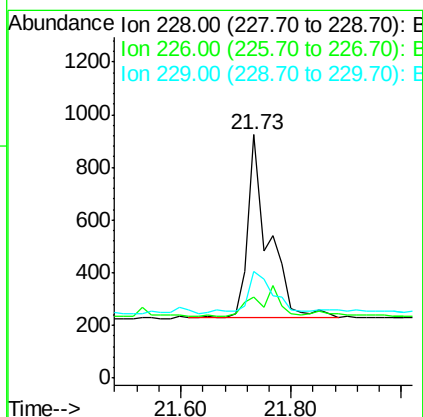
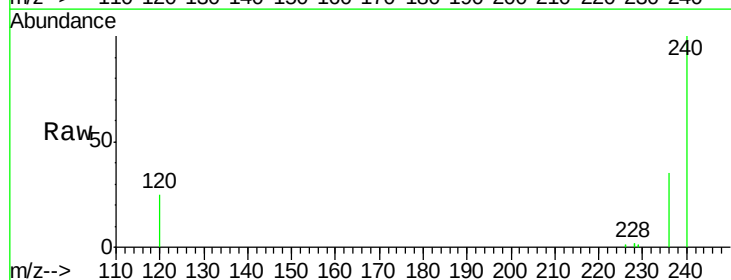
Instrument :
BNA_E
ClientSampleId :
GW-24-9.5-15.0

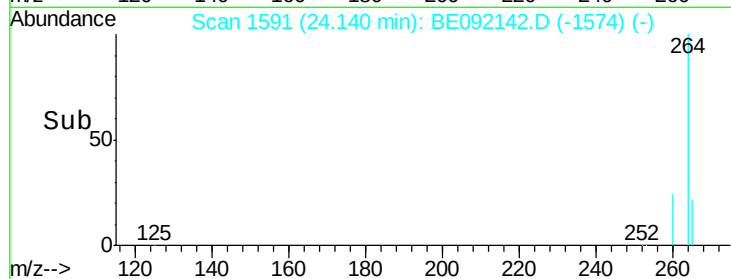
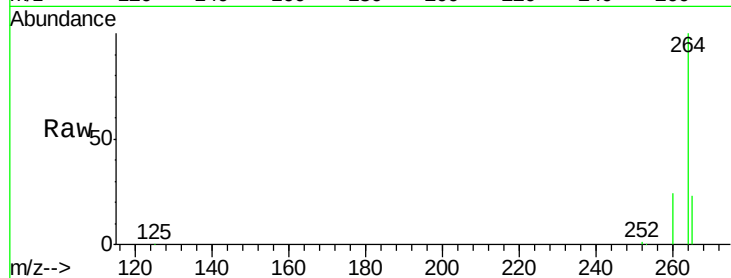
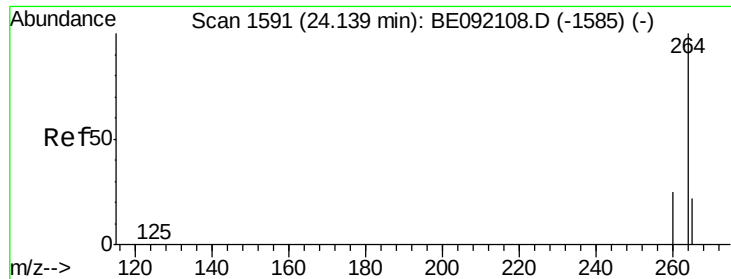
Tgt Ion:228 Resp: 1807
Ion Ratio Lower Upper
228 100
226 33.1 22.1 33.1
229 43.9 15.1 22.7#



#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092142.D
Acq: 3 Aug 2016 11:07

Tgt Ion:228 Resp: 1820
Ion Ratio Lower Upper
228 100
226 33.1 22.3 33.5
229 43.9 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: BE092142.D

Acq: 3 Aug 2016 11:07

Instrument :

BNA_E

ClientSampleId :

GW-24-9.5-15.0

Tgt Ion: 264 Resp: 80876

Ion Ratio Lower Upper

264 100

260 23.8 20.8 31.2

265 23.0 16.6 25.0

