

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092187.D
 Acq On : 4 Aug 2016 18:03
 Operator : UM/SJ
 Sample : H4205-08RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-41-7.8-15.0

Quant Time: Aug 05 03:13:31 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

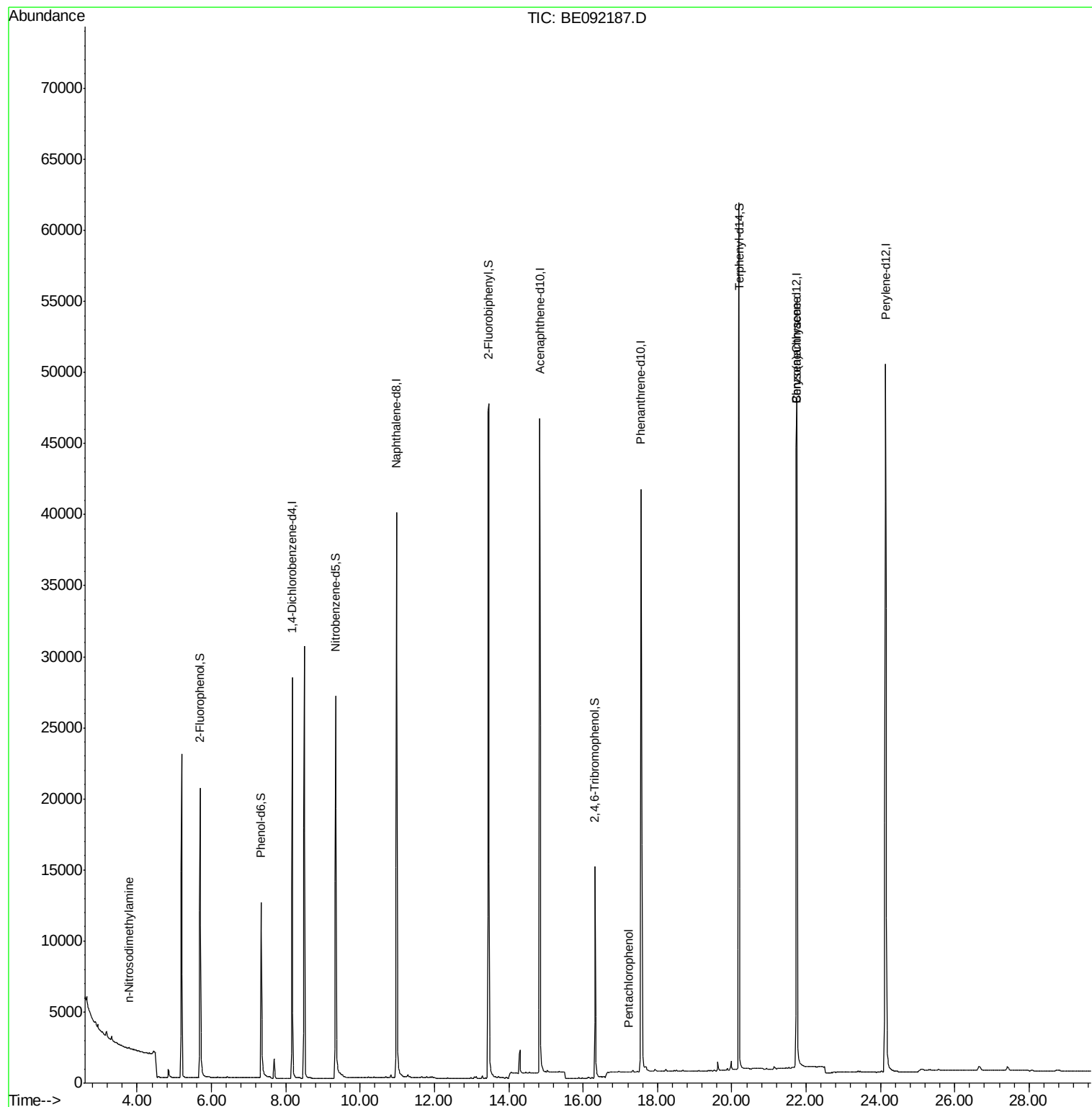
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	14287	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	62023	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	31461	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	66850	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	71615	5.00	ng	0.00
28) Perylene-d12	24.14	264	76857	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	17309	4.72	ng	0.00
5) Phenol-d6	7.34	99	15319	3.13	ng	-0.01
7) Nitrobenzene-d5	9.34	82	27034	5.52	ng	-0.01
11) 2,4,6-Tribromophenol	16.32	330	10924	10.69	ng	-0.01
12) 2-Fluorobiphenyl	13.46	172	56641	5.68	ng	0.00
24) Terphenyl-d14	20.19	244	69693	6.78	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.77	42	34	0.10	ng	# 8
8) Naphthalene	11.04	128	150	Below Cal	#	1
18) Pentachlorophenol	17.24	266	10	0.20	ng	# 79
19) Phenanthrene	17.60	178	308	Below Cal	#	61
25) Benzo(a)anthracene	21.73	228	2231	0.03	ng	# 64
26) Chrysene	21.73	228	2296	0.03	ng	# 66
30) Benzo(k)fluoranthene	23.46	252	135	Below Cal	#	1

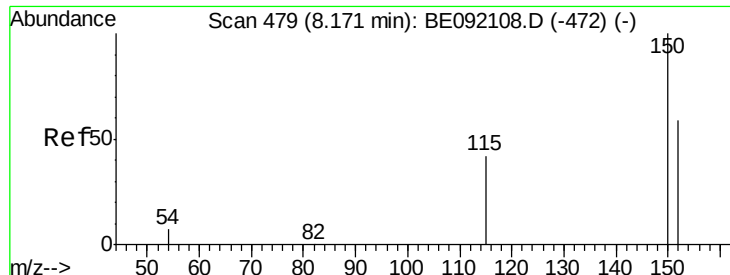
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
Data File : BE092187.D
Acq On : 4 Aug 2016 18:03
Operator : UM/SJ
Sample : H4205-08RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-41-7.8-15.0

Quant Time: Aug 05 03:13:31 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: BE092187.D

Acq: 4 Aug 2016 18:03

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

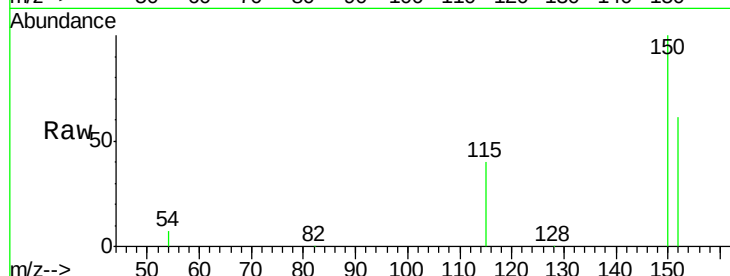
Tgt Ion:152 Resp: 14287

Ion Ratio Lower Upper

152 100

150 163.7 106.0 159.0#

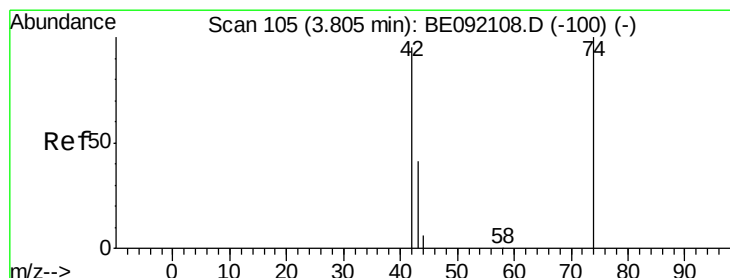
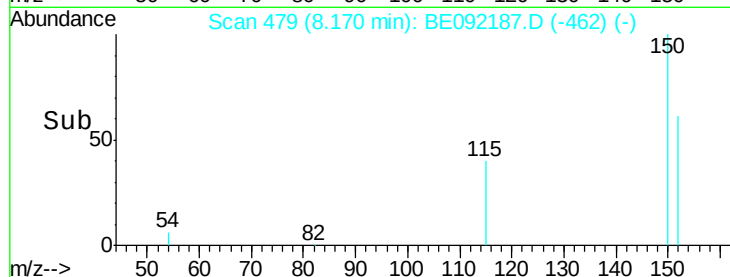
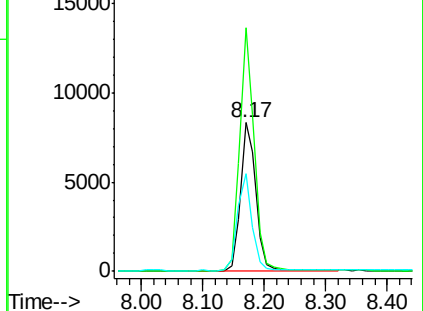
115 65.9 36.9 55.3#



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: 0.10 ng

RT: 3.77 min Scan# 102

Delta R.T. -0.04 min

Lab File: BE092187.D

Acq: 4 Aug 2016 18:03

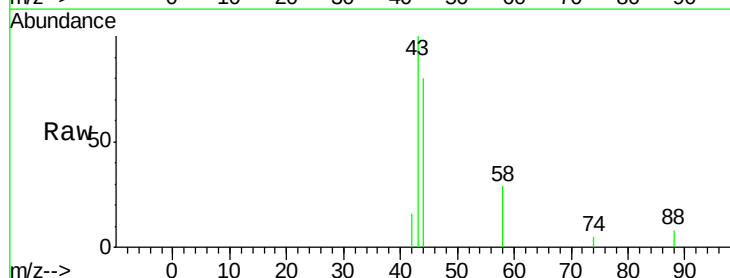
Tgt Ion: 42 Resp: 34

Ion Ratio Lower Upper

42 100

74 2.9 82.8 124.2#

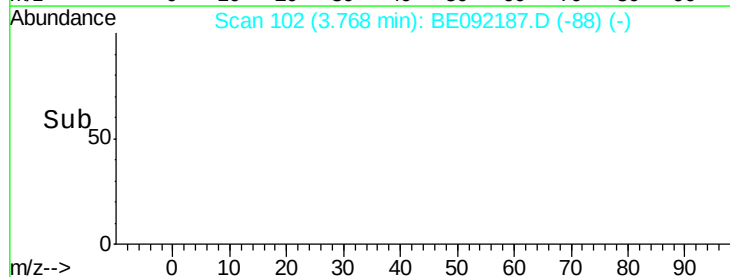
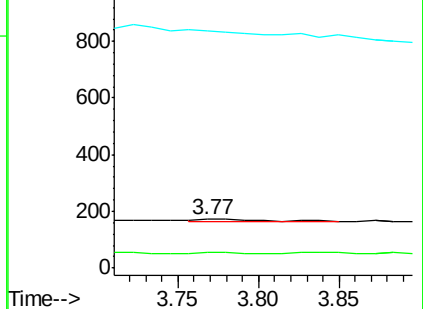
44 0.0 9.0 13.4#

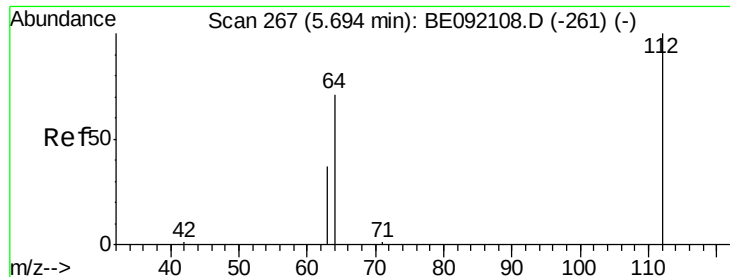


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.72 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092187.D

Acq: 4 Aug 2016 18:03

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

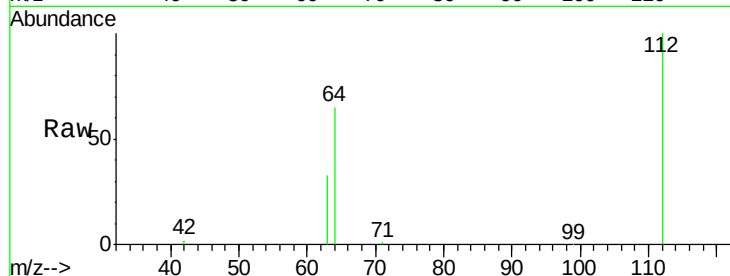
Tgt Ion: 112 Resp: 17309

Ion Ratio Lower Upper

112 100

64 67.3 55.9 83.9

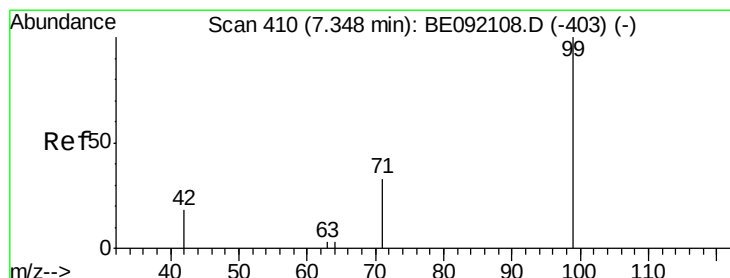
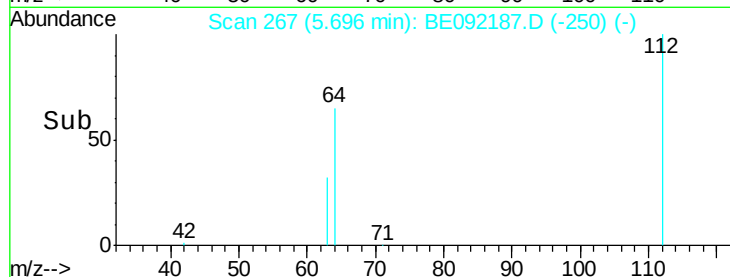
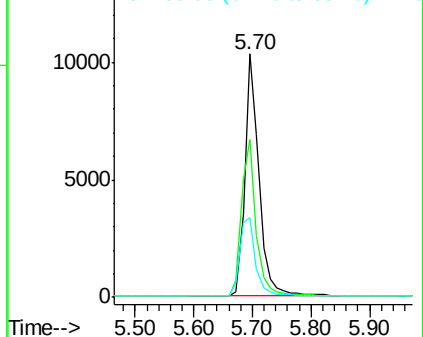
63 36.5 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 3.13 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092187.D

Acq: 4 Aug 2016 18:03

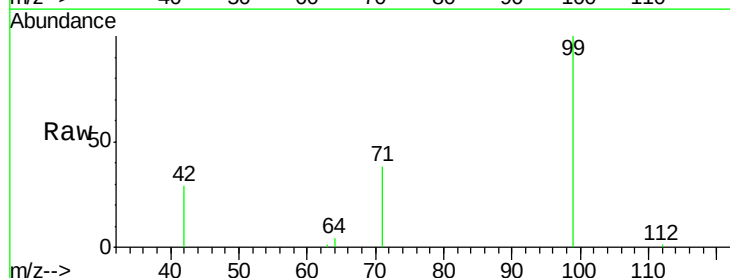
Tgt Ion: 99 Resp: 15319

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

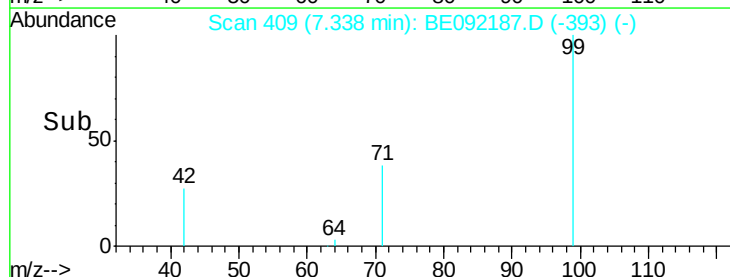
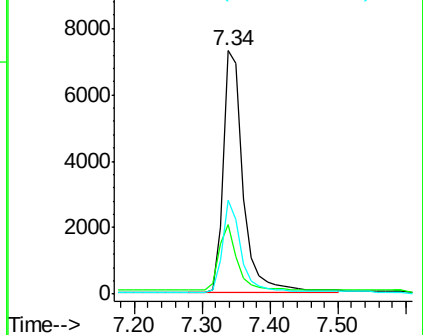
71 35.3 28.9 43.3

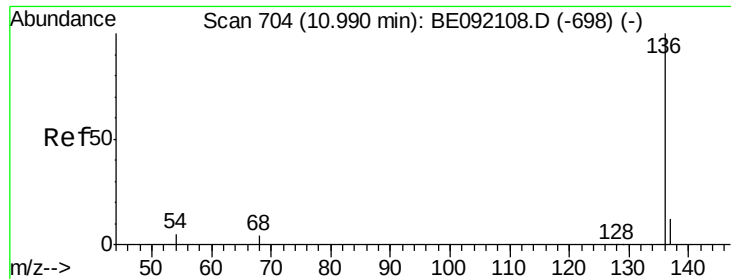


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

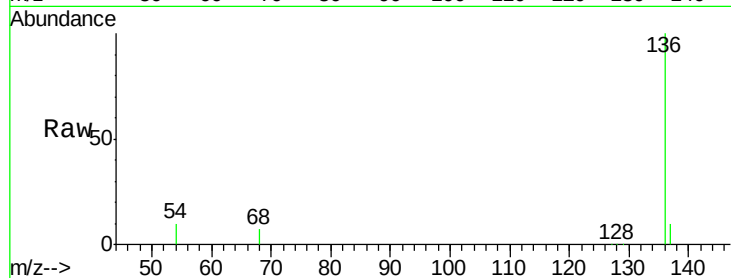




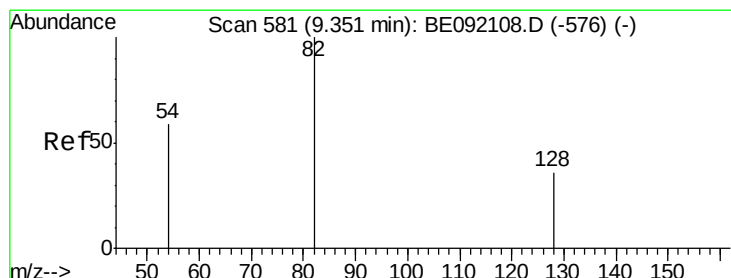
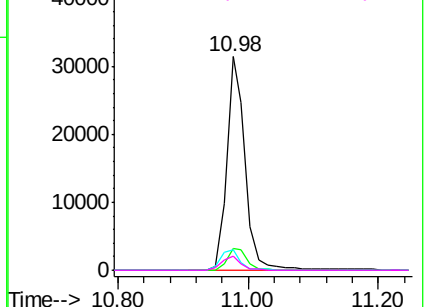
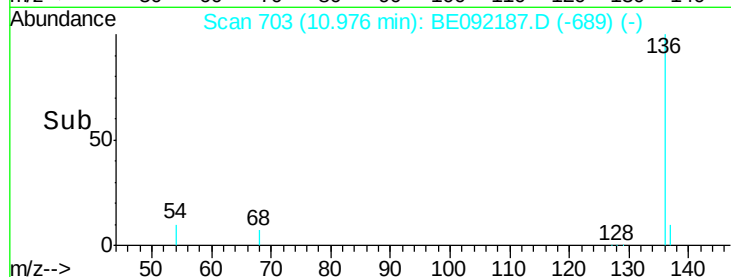
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092187.D
Acq: 4 Aug 2016 18:03

Instrument :
BNA_E
ClientSampleId :
GW-41-7.8-15.0

Tgt Ion: 136 Resp: 62023
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 9.8 2.7 4.1#
68 6.9 2.2 3.4#

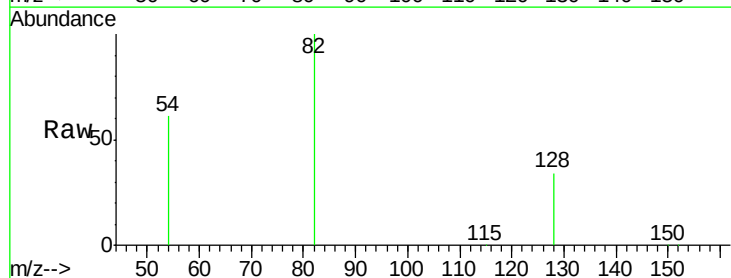


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

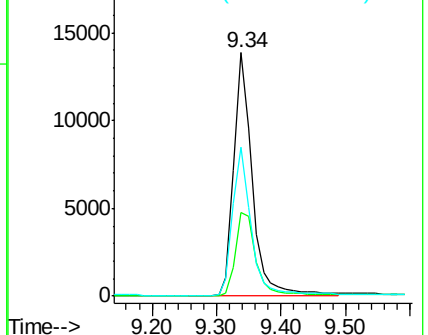
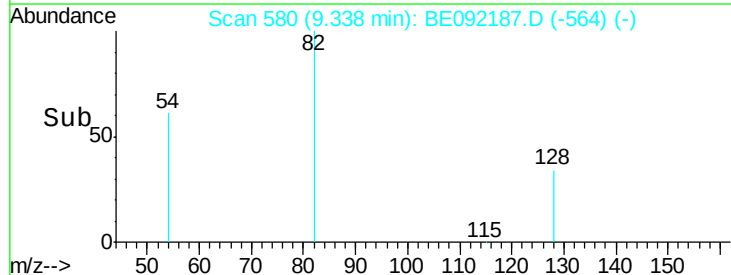


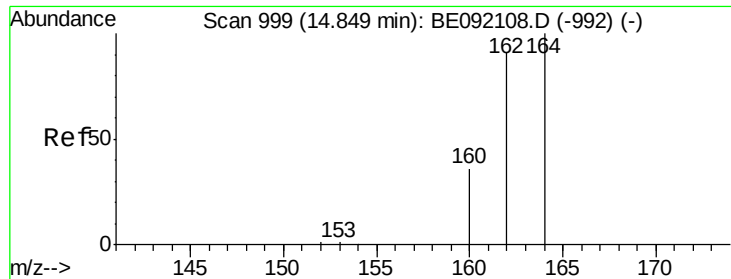
#7
Nitrobenzene-d5
Concen: 5.52 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092187.D
Acq: 4 Aug 2016 18:03

Tgt Ion: 82 Resp: 27034
Ion Ratio Lower Upper
82 100
128 34.1 33.0 49.4
54 61.0 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: BE092187.D

Acq: 4 Aug 2016 18:03

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

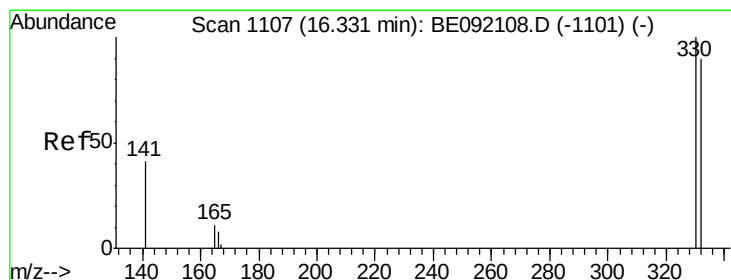
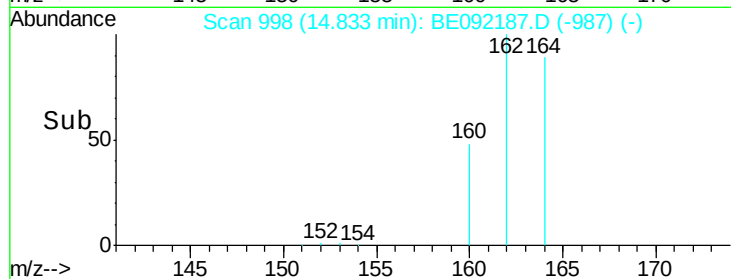
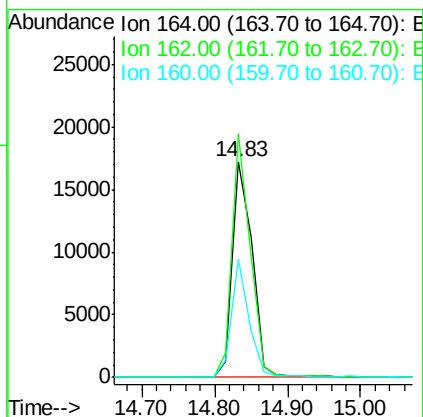
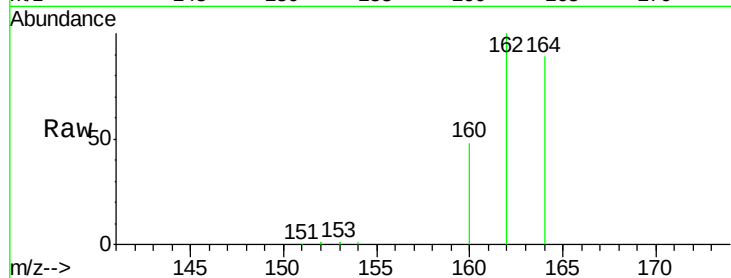
Tgt Ion:164 Resp: 31461

Ion Ratio Lower Upper

164 100

162 112.9 69.5 104.3#

160 54.5 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 10.69 ng

RT: 16.32 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BE092187.D

Acq: 4 Aug 2016 18:03

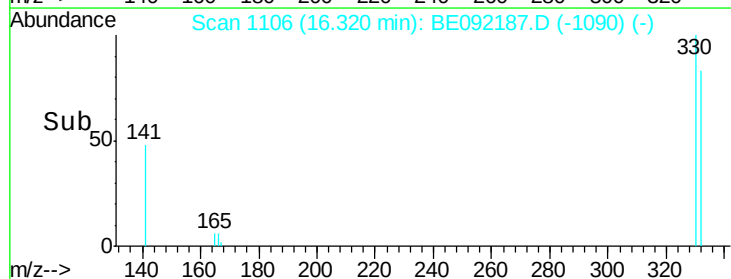
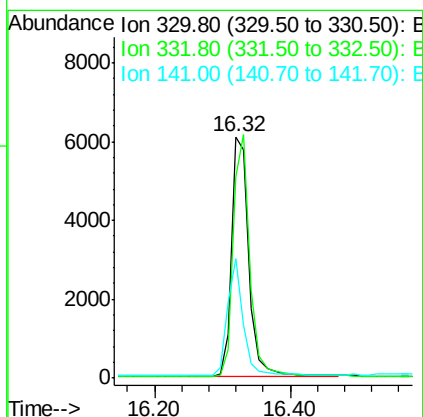
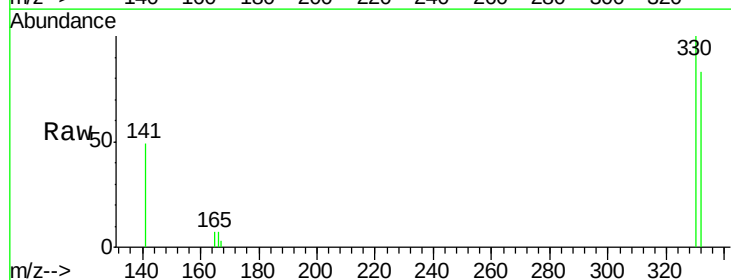
Tgt Ion:330 Resp: 10924

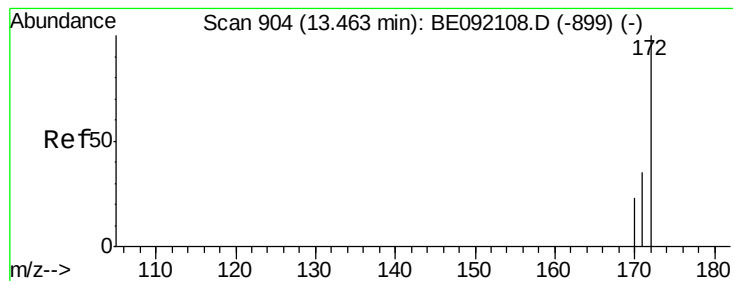
Ion Ratio Lower Upper

330 100

332 96.9 74.2 111.4

141 44.1 139.8 209.8#

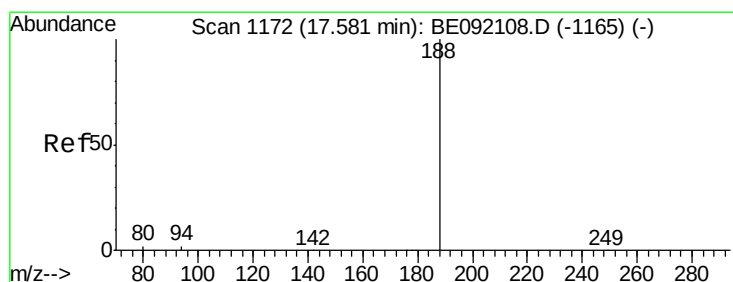
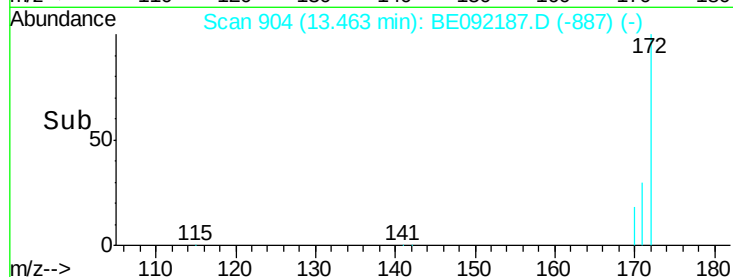
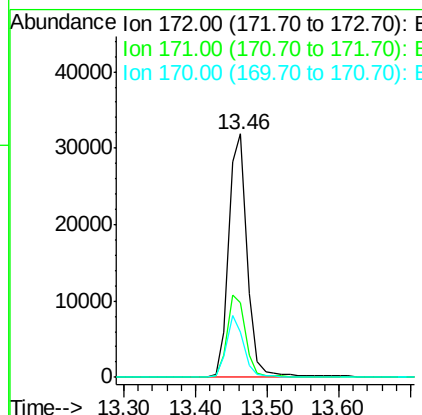
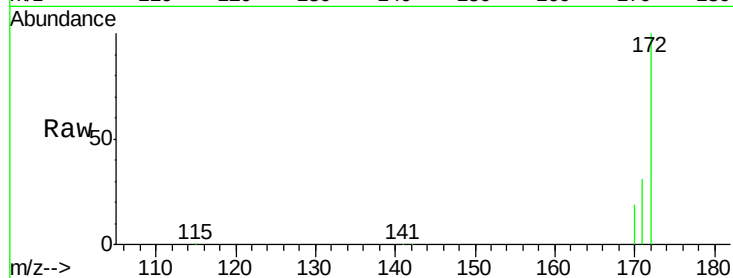




#12
2-Fluorobiphenyl
Concen: 5.68 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092187.D
Acq: 4 Aug 2016 18:03

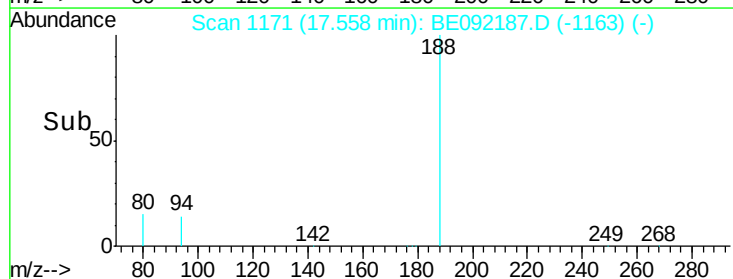
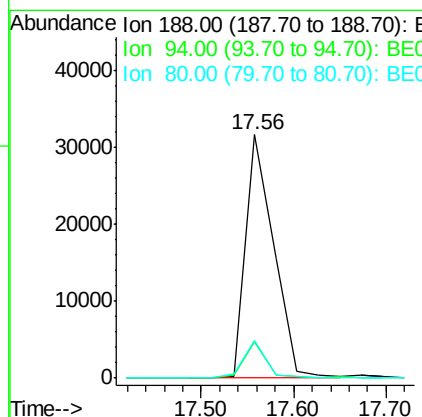
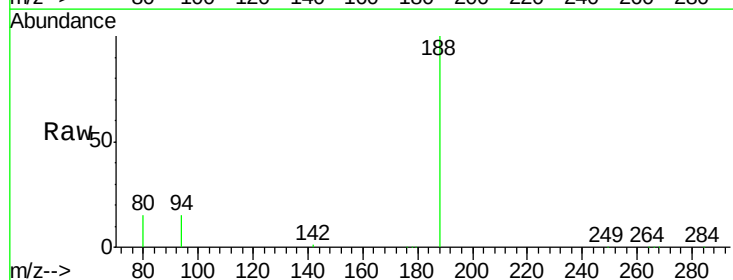
Instrument :
BNA_E
ClientSampleId :
GW-41-7.8-15.0

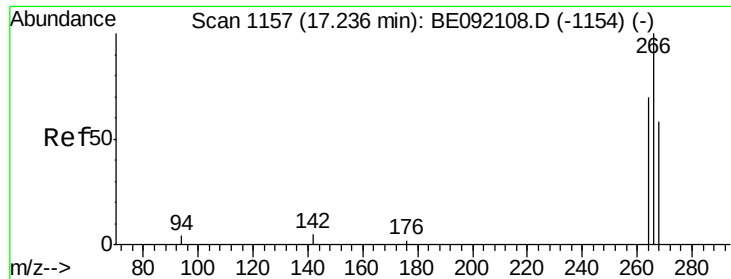
Tgt Ion:172 Resp: 56641
Ion Ratio Lower Upper
172 100
171 30.6 30.3 45.5
170 18.6 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092187.D
Acq: 4 Aug 2016 18:03

Tgt Ion:188 Resp: 66850
Ion Ratio Lower Upper
188 100
94 14.8 3.9 5.9#
80 15.2 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092187.D

Acq: 4 Aug 2016 18:03

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

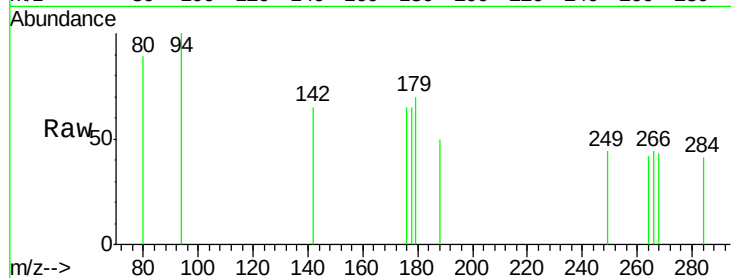
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

268 97.9 62.7 94.1#

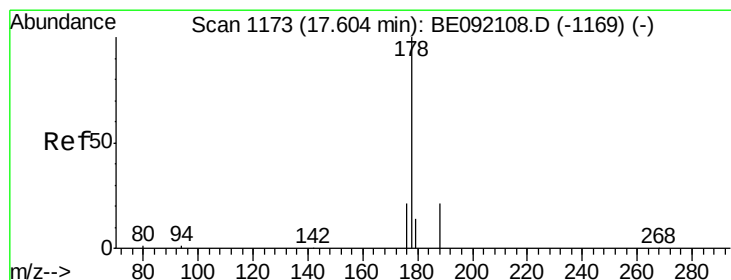
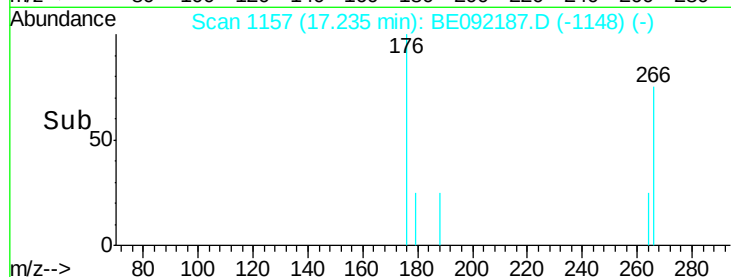
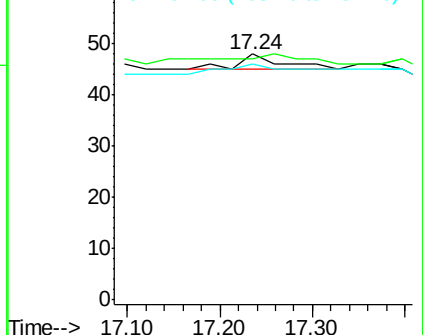
264 95.8 63.5 95.3#



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



#19

Phenanthrene

Concen: Below Cal

RT: 17.60 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BE092187.D

Acq: 4 Aug 2016 18:03

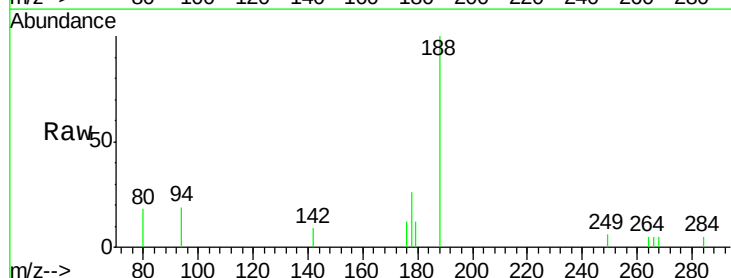
Tgt Ion:178 Resp: 308

Ion Ratio Lower Upper

178 100

176 27.3 15.4 23.0#

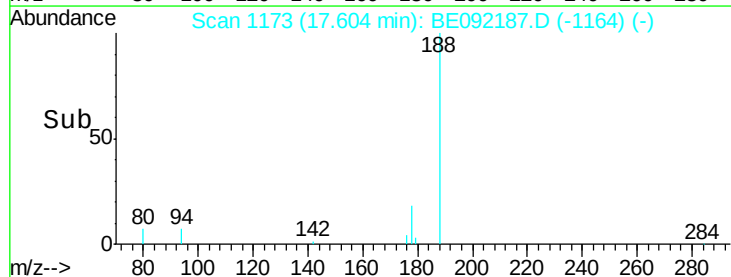
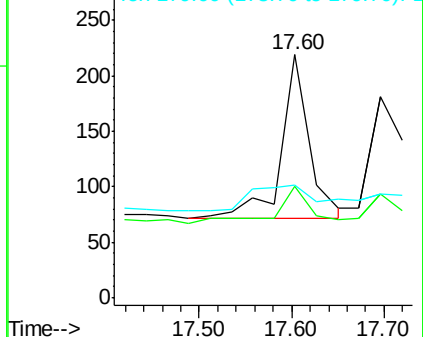
179 43.2 12.7 19.1#

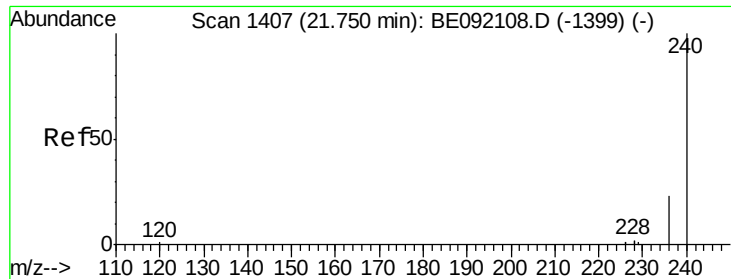


Abundance Ion 178.00 (177.70 to 178.70): E

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: BE092187.D

Acq: 4 Aug 2016 18:03

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

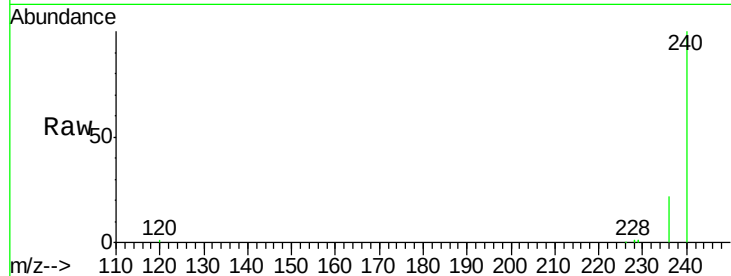
Tgt Ion:240 Resp: 71615

Ion Ratio Lower Upper

240 100

120 1.4 0.6 1.0#

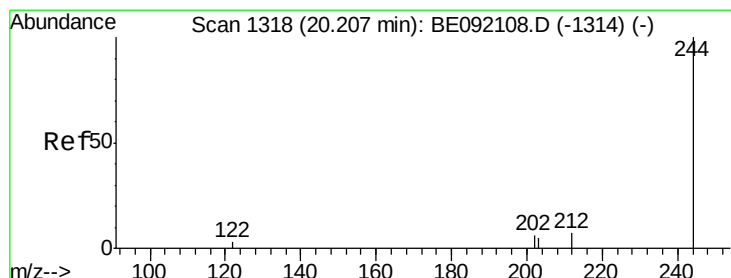
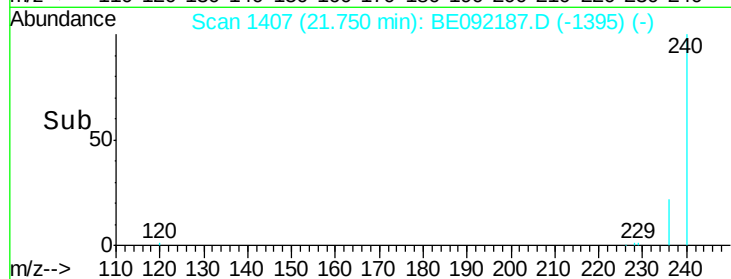
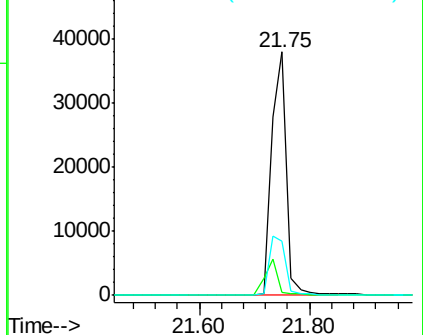
236 22.5 18.2 27.4



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: 6.78 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092187.D

Acq: 4 Aug 2016 18:03

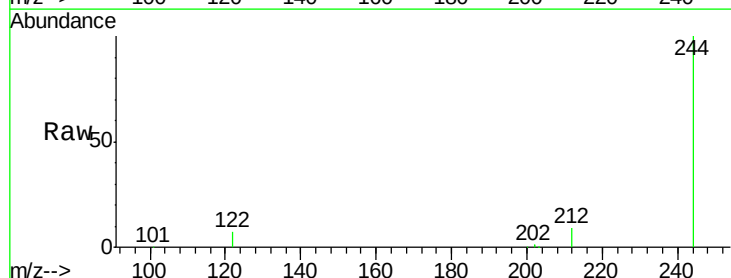
Tgt Ion:244 Resp: 69693

Ion Ratio Lower Upper

244 100

212 8.7 9.1 13.7#

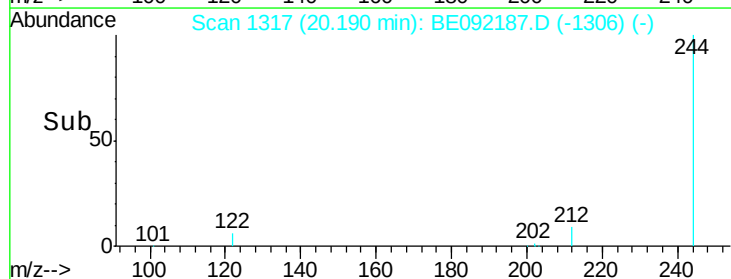
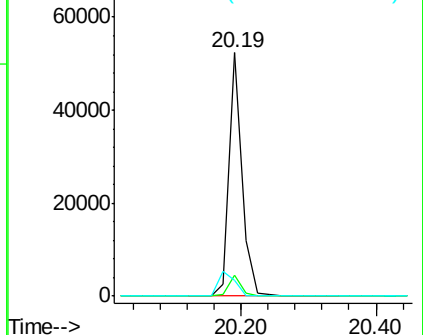
122 6.6 11.0 16.4#

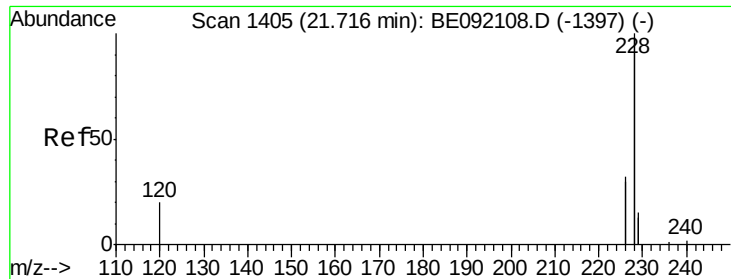


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

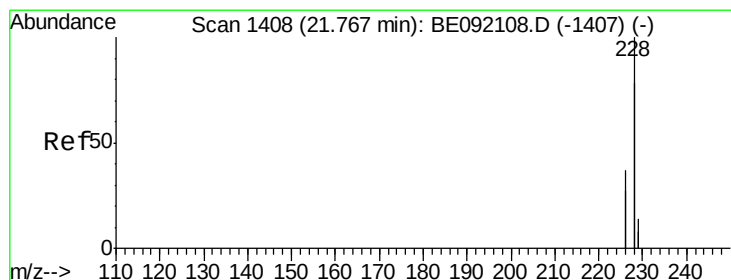
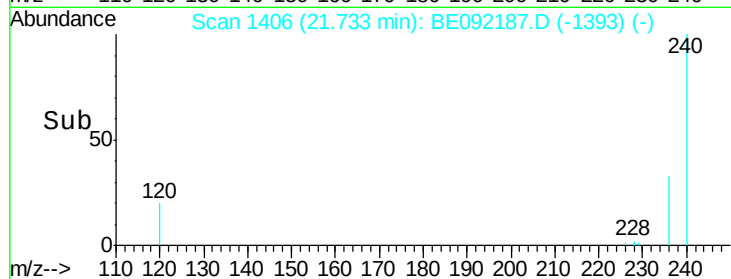
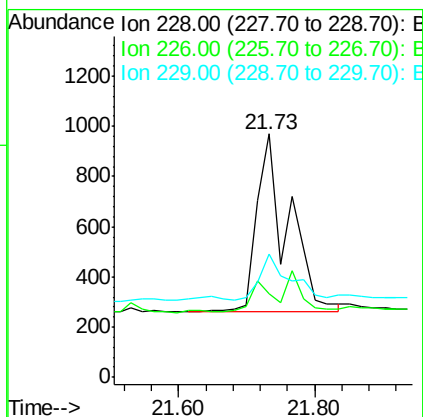
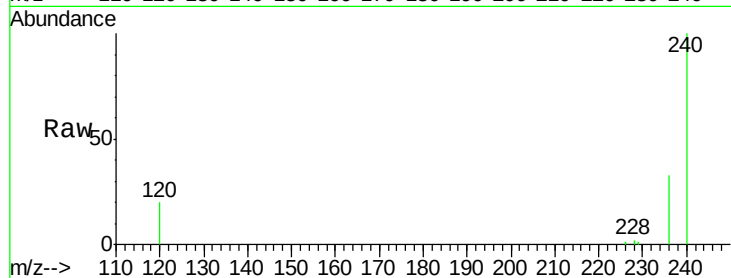




#25
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092187.D
Acq: 4 Aug 2016 18:03

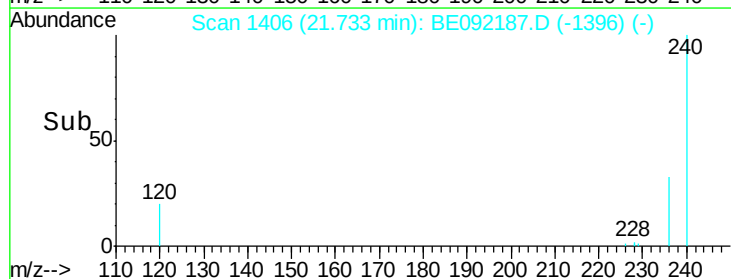
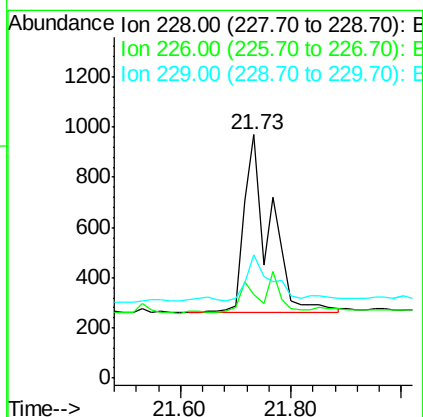
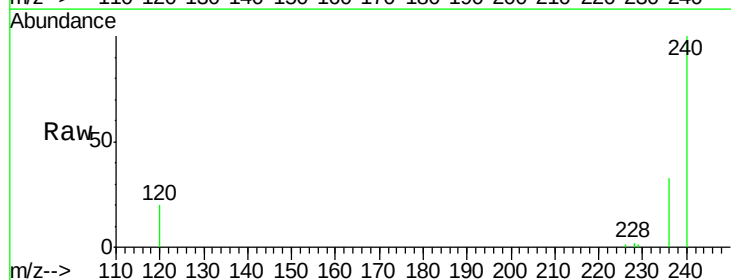
Instrument :
BNA_E
ClientSampleId :
GW-41-7.8-15.0

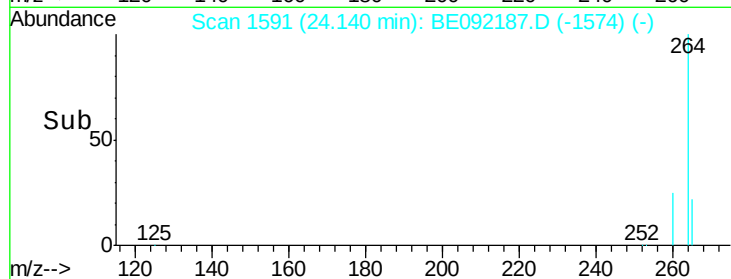
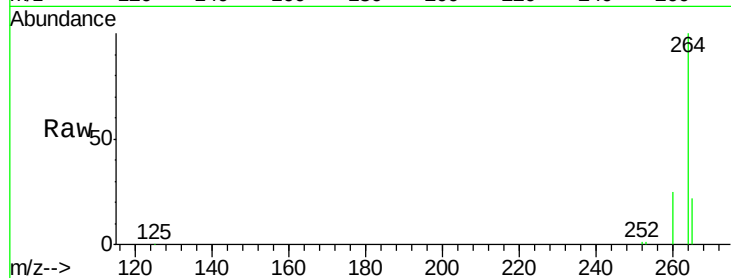
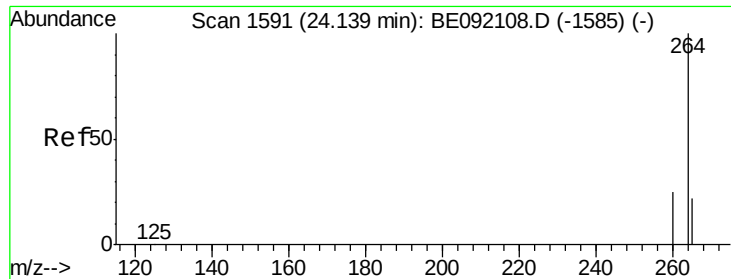
Tgt Ion:228 Resp: 2231
Ion Ratio Lower Upper
228 100
226 34.2 22.1 33.1#
229 50.5 15.1 22.7#



#26
Chrysene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092187.D
Acq: 4 Aug 2016 18:03

Tgt Ion:228 Resp: 2296
Ion Ratio Lower Upper
228 100
226 34.2 22.3 33.5#
229 50.5 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: BE092187.D

Acq: 4 Aug 2016 18:03

Instrument :

BNA_E

ClientSampleId :

GW-41-7.8-15.0

Tgt Ion: 264 Resp: 76857

Ion Ratio Lower Upper

264 100

260 24.8 20.8 31.2

265 22.3 16.6 25.0

