

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080216\
 Data File : BE092143.D
 Acq On : 3 Aug 2016 11:46
 Operator : UM/SJ
 Sample : H4176-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-25-10.5-15.0

Quant Time: Aug 03 12:52:29 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

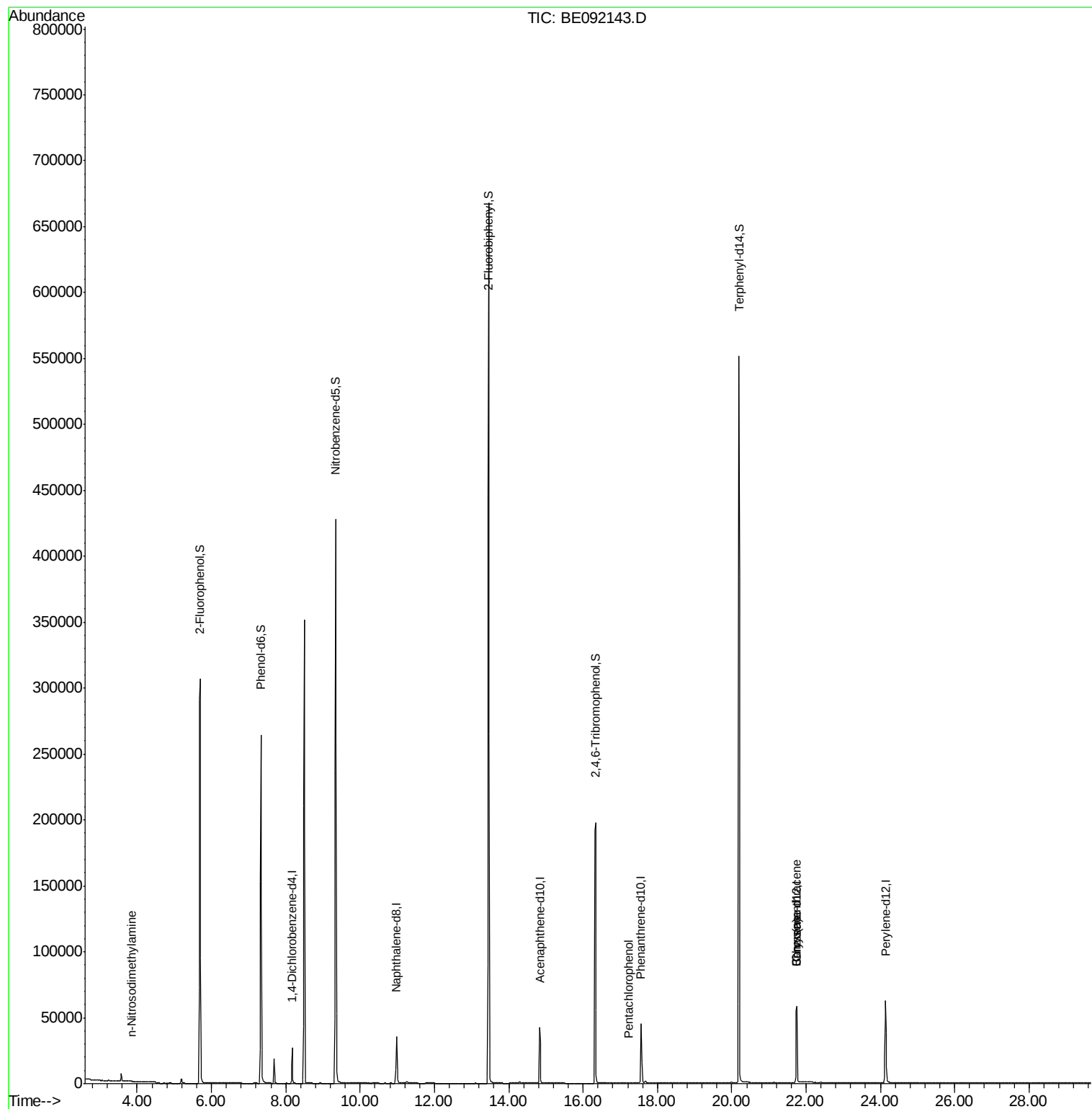
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13432	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	58973	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	31585	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	69439	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	87475	5.00	ng	0.00
28) Perylene-d12	24.14	264	90998	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	266122	77.15	ng	0.00
5) Phenol-d6	7.34	99	261966	57.00	ng	-0.01
7) Nitrobenzene-d5	9.34	82	366832	78.83	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	142814	139.25	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	654815	65.42	ng	0.00
24) Terphenyl-d14	20.19	244	824075	65.60	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.85	42	20	0.10	ng	# 19
18) Pentachlorophenol	17.21	266	30	0.22	ng	# 77
19) Phenanthrene	17.60	178	270	Below Cal		# 78
25) Benzo(a)anthracene	21.73	228	1980	0.02	ng	# 68
26) Chrysene	21.73	228	1966	0.02	ng	# 70
30) Benzo(k)fluoranthene	23.46	252	76	Below Cal		# 1

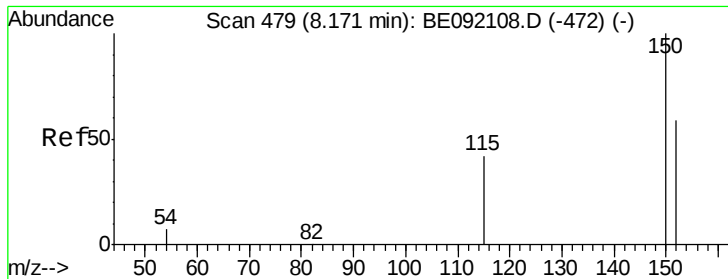
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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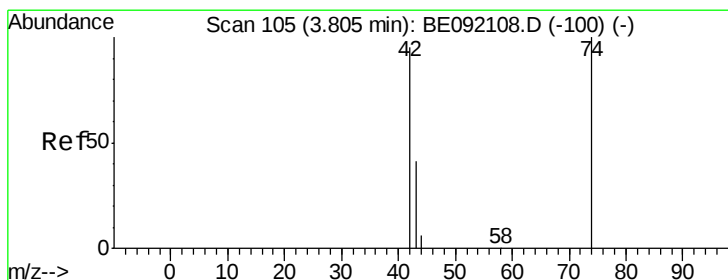
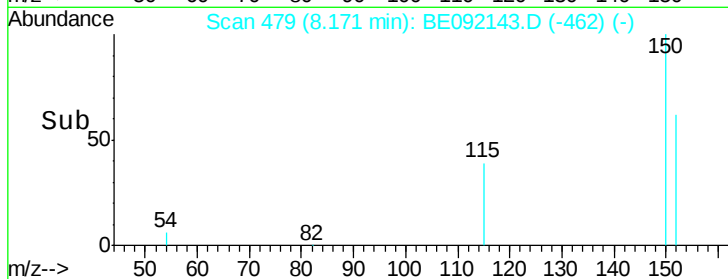
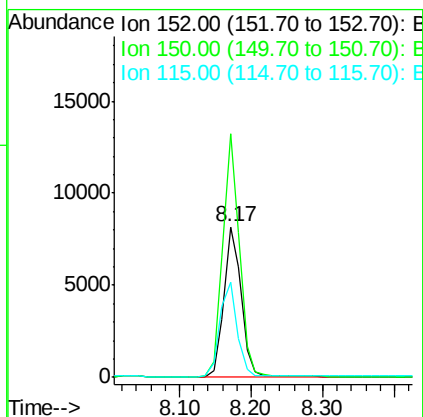
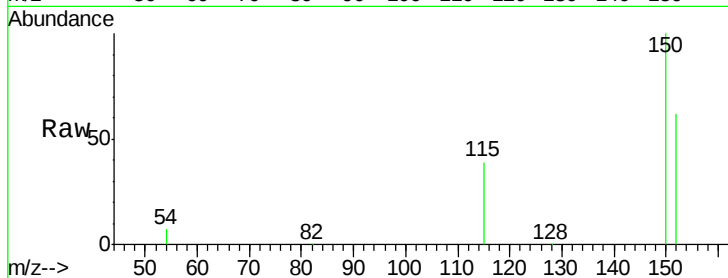




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.17 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BE092143.D
 Acq: 3 Aug 2016 11:46

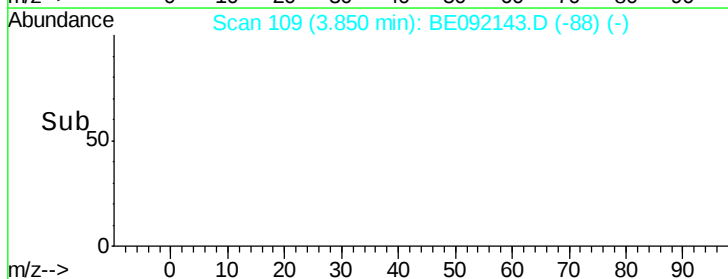
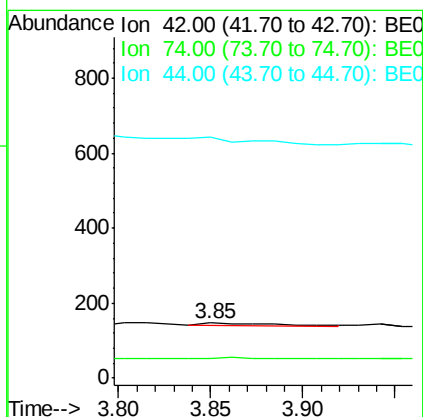
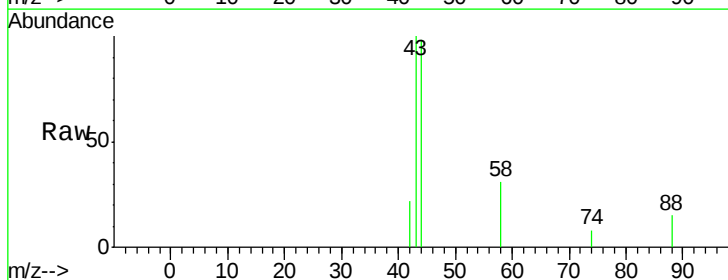
Instrument :
 BNA_E
 ClientSampleId :
 GW-25-10.5-15.0

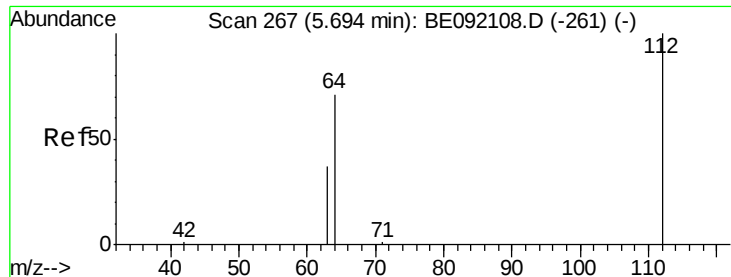
Tgt Ion:152 Resp: 13432
 Ion Ratio Lower Upper
 152 100
 150 161.5 106.0 159.0#
 115 63.3 36.9 55.3#



#3
 n-Nitrosodimethylamine
 Concen: 0.10 ng
 RT: 3.85 min Scan# 109
 Delta R.T. 0.04 min
 Lab File: BE092143.D
 Acq: 3 Aug 2016 11:46

Tgt Ion: 42 Resp: 20
 Ion Ratio Lower Upper
 42 100
 74 15.0 82.8 124.2#
 44 0.0 9.0 13.4#





#4

2-Fluorophenol

Concen: 77.15 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA_E

ClientSampleId :

GW-25-10.5-15.0

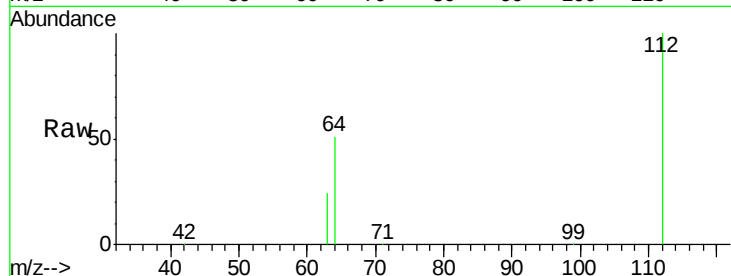
Tgt Ion: 112 Resp: 266122

Ion Ratio Lower Upper

112 100

64 68.8 55.9 83.9

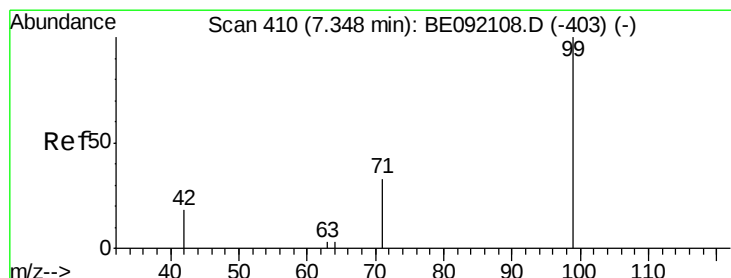
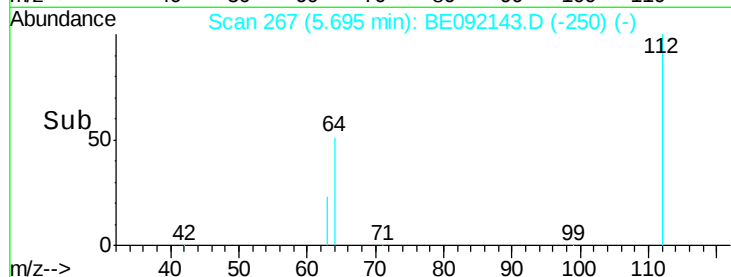
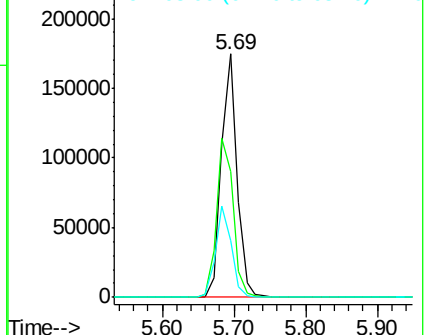
63 37.2 31.1 46.7



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: 57.00 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

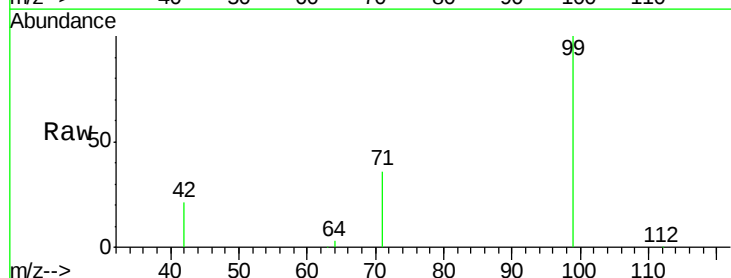
Tgt Ion: 99 Resp: 261966

Ion Ratio Lower Upper

99 100

42 25.0 22.4 33.6

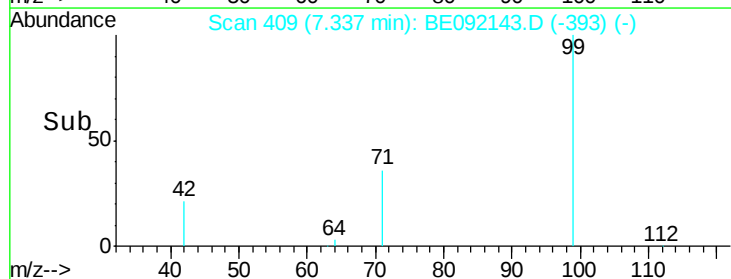
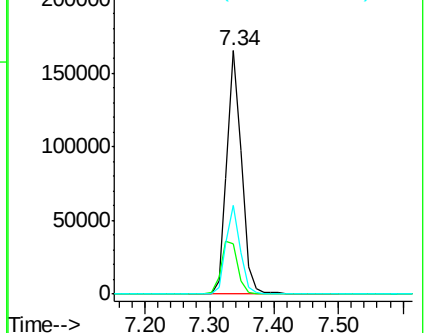
71 35.8 28.9 43.3

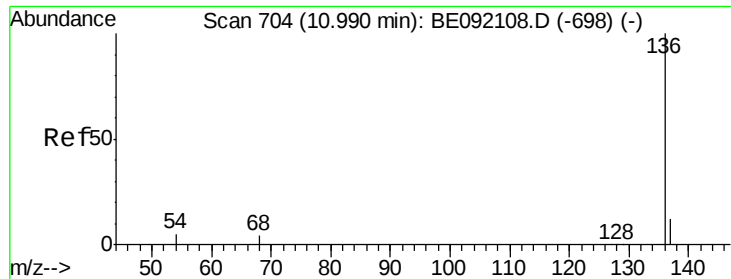


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

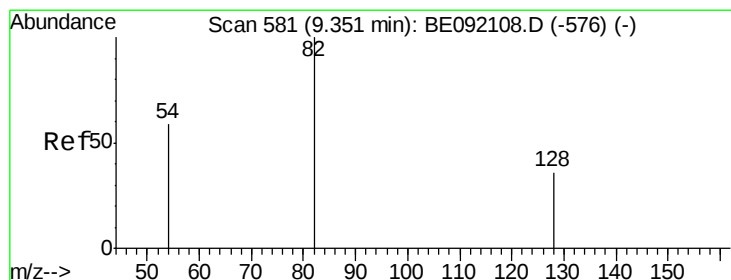
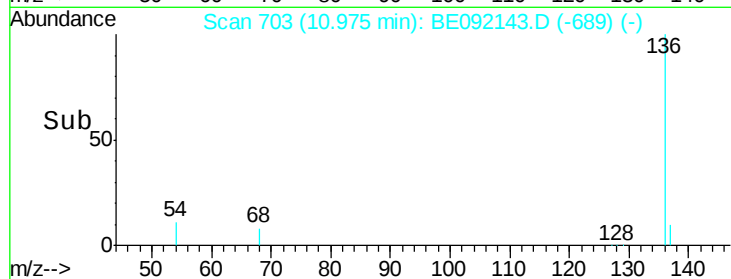
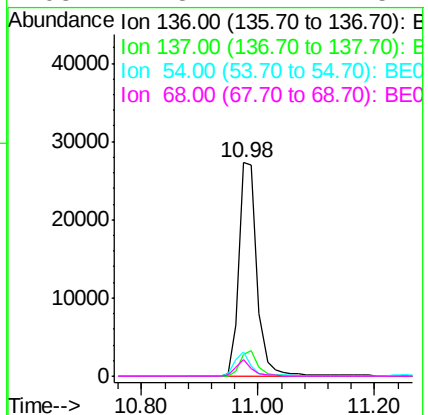
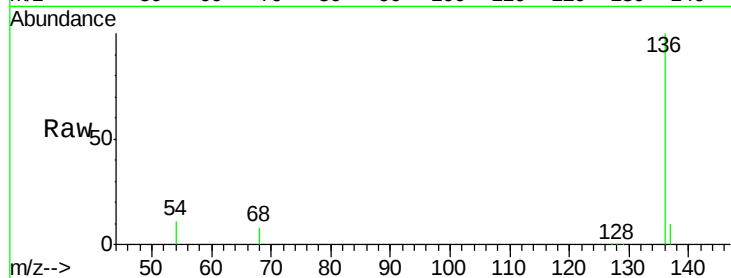




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092143.D
Acq: 3 Aug 2016 11:46

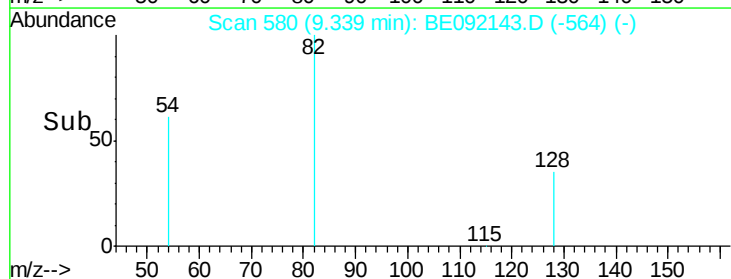
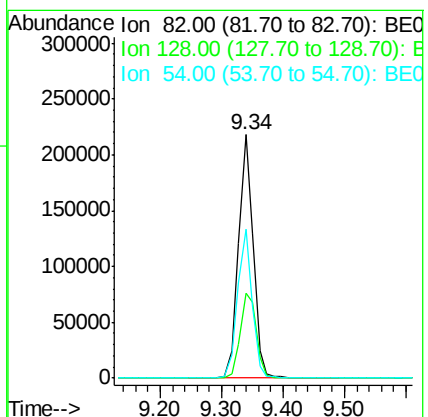
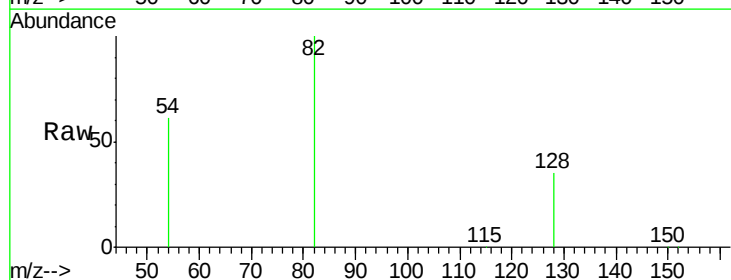
Instrument :
BNA_E
ClientSampleId :
GW-25-10.5-15.0

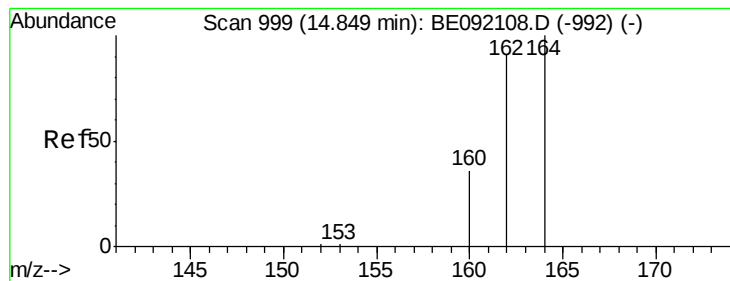
Tgt Ion: 136 Resp: 58973
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 11.4 2.7 4.1#
68 7.8 2.2 3.4#



#7
Nitrobenzene-d5
Concen: 78.83 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092143.D
Acq: 3 Aug 2016 11:46

Tgt Ion: 82 Resp: 366832
Ion Ratio Lower Upper
82 100
128 34.9 33.0 49.4
54 61.3 42.6 63.8





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA_E

ClientSampleId :

GW-25-10.5-15.0

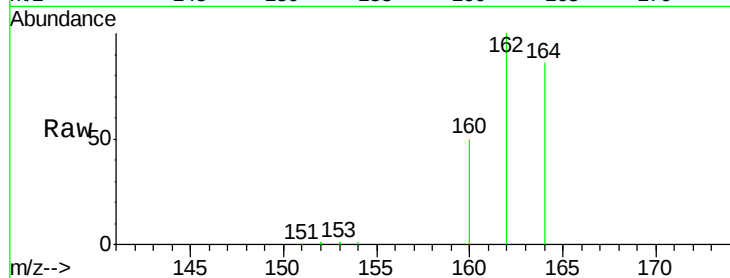
Tgt Ion:164 Resp: 31585

Ion Ratio Lower Upper

164 100

162 116.0 69.5 104.3#

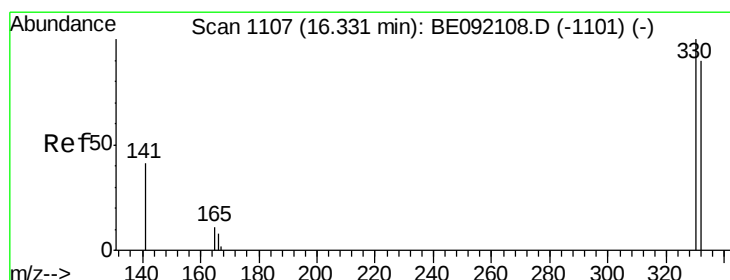
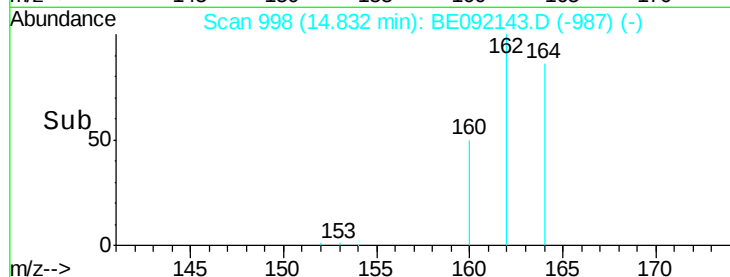
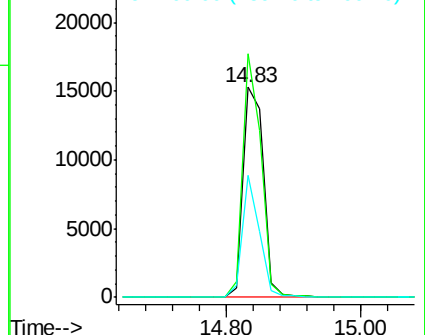
160 57.8 27.6 41.4#



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: 139.25 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

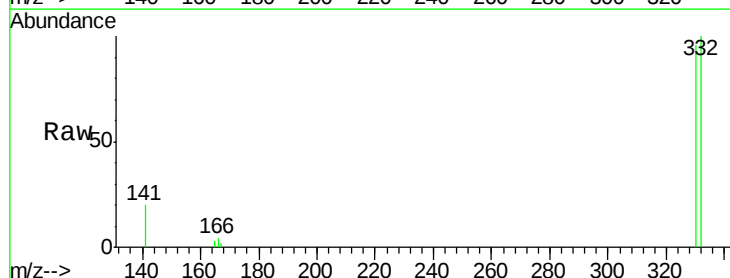
Tgt Ion:330 Resp: 142814

Ion Ratio Lower Upper

330 100

332 95.8 74.2 111.4

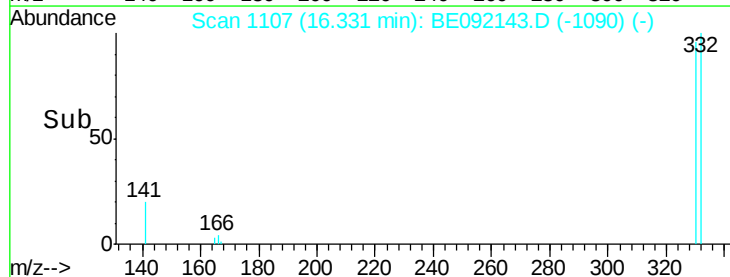
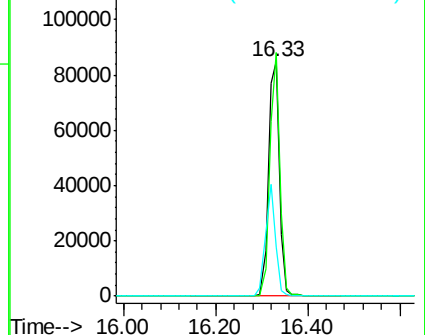
141 42.7 139.8 209.8#

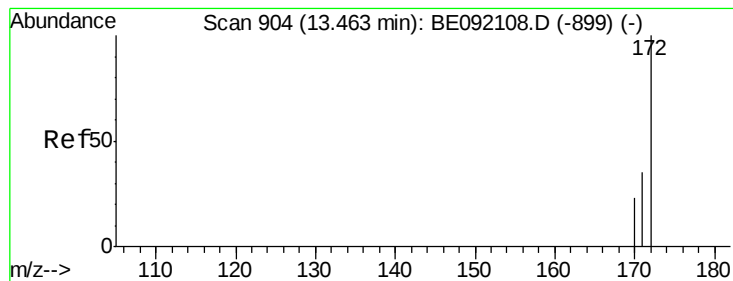


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 65.42 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA_E

ClientSampleId :

GW-25-10.5-15.0

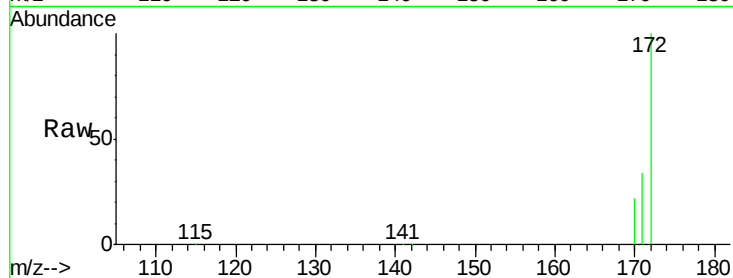
Tgt Ion:172 Resp: 654815

Ion Ratio Lower Upper

172 100

171 34.3 30.3 45.5

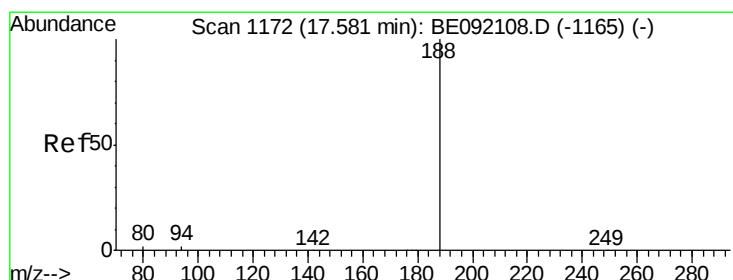
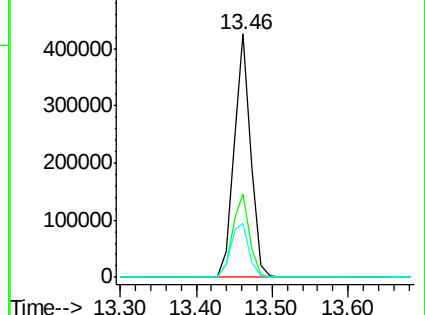
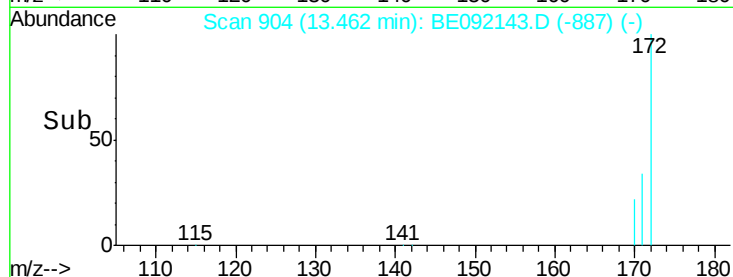
170 22.2 21.6 32.4



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: BE092143.D

Acq: 3 Aug 2016 11:46

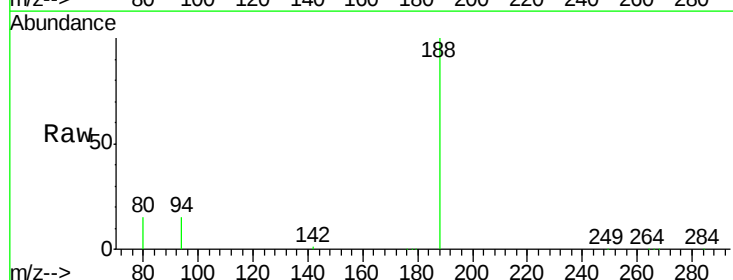
Tgt Ion:188 Resp: 69439

Ion Ratio Lower Upper

188 100

94 15.1 3.9 5.9#

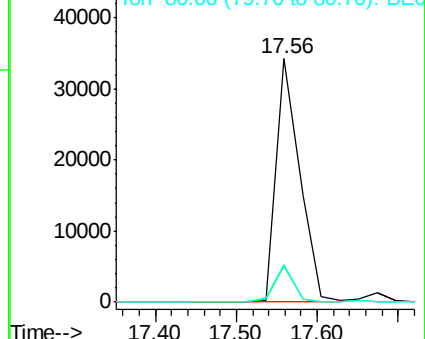
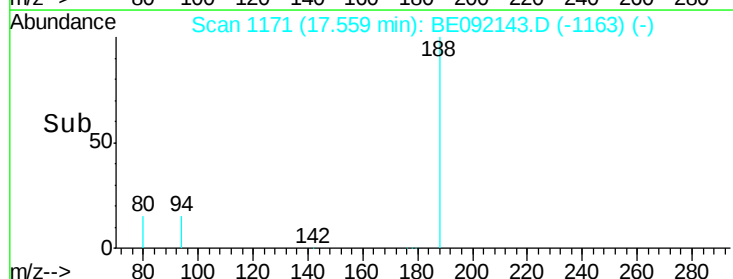
80 15.5 3.4 5.0#

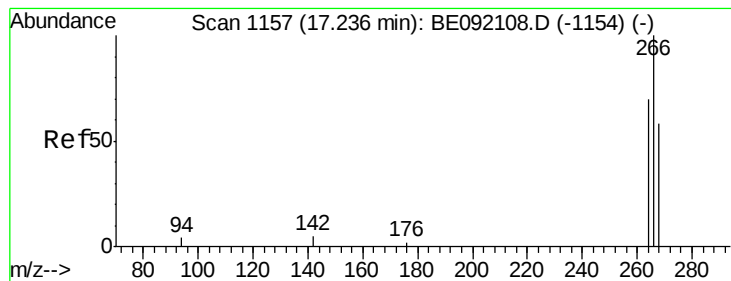


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#18

Pentachlorophenol

Concen: 0.22 ng

RT: 17.21 min Scan# 1156

Delta R.T. -0.02 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA_E

ClientSampleId :

GW-25-10.5-15.0

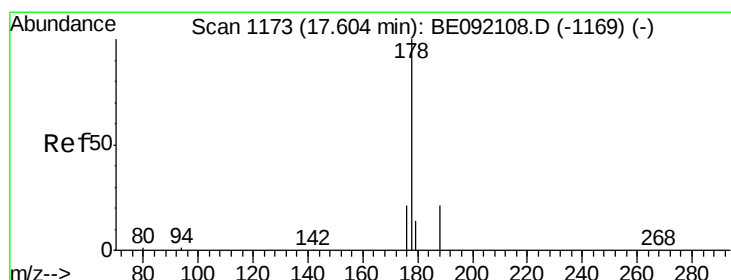
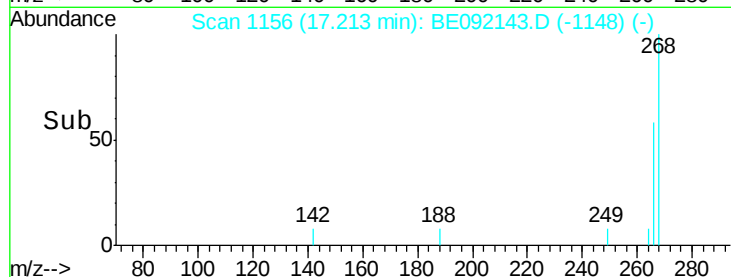
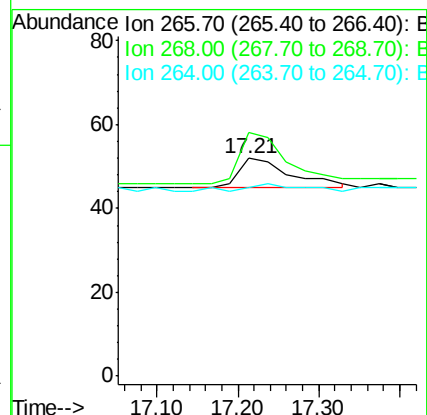
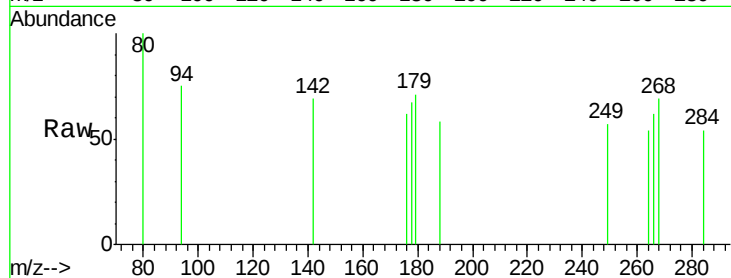
Tgt Ion: 266 Resp: 30

Ion Ratio Lower Upper

266 100

268 111.5 62.7 94.1#

264 86.5 63.5 95.3



#19

Phenanthrene

Concen: Below Cal

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

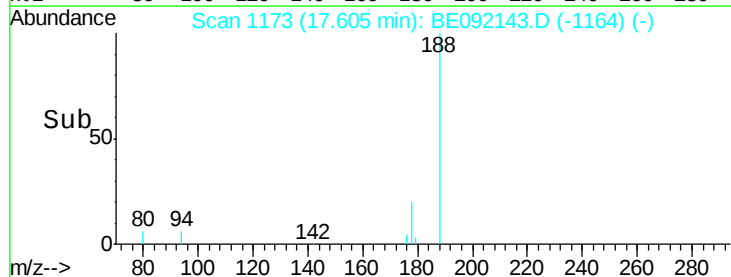
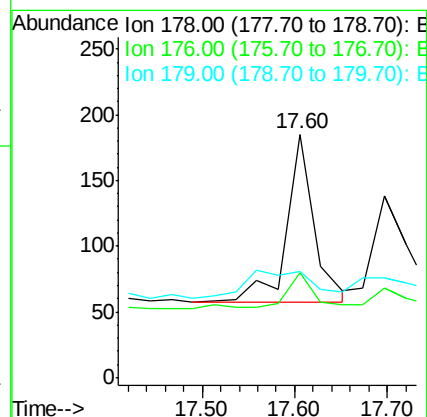
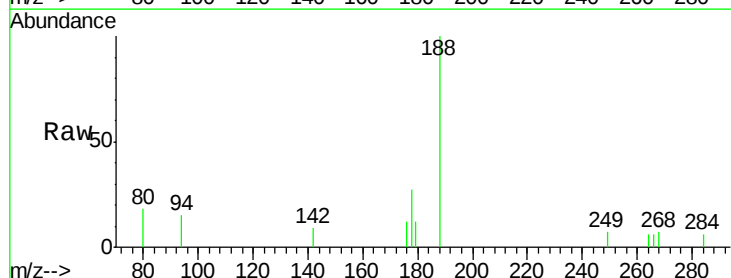
Tgt Ion: 178 Resp: 270

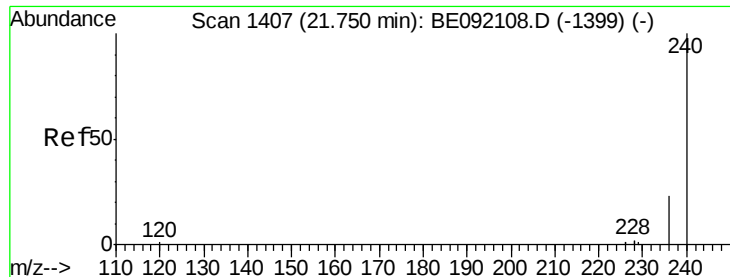
Ion Ratio Lower Upper

178 100

176 23.0 15.4 23.0

179 0.0 12.7 19.1#





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA_E

ClientSampleId :

GW-25-10.5-15.0

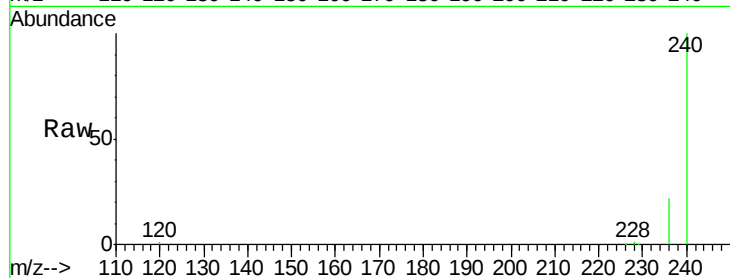
Tgt Ion:240 Resp: 87475

Ion Ratio Lower Upper

240 100

120 1.2 0.6 1.0#

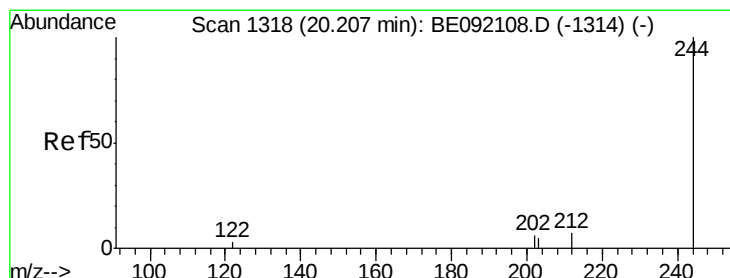
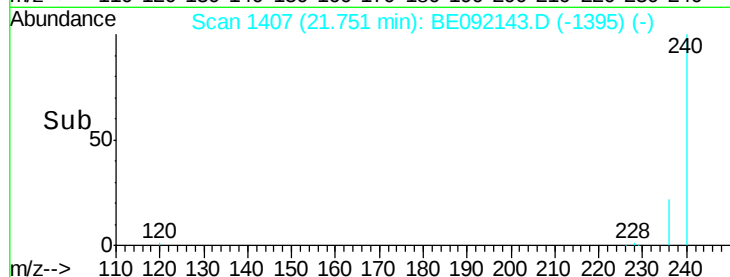
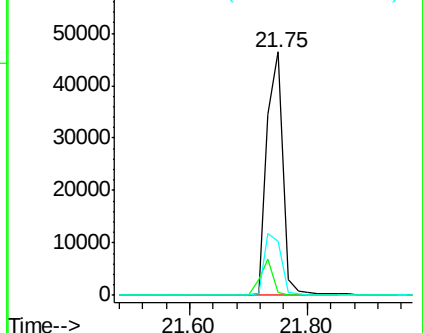
236 22.1 18.2 27.4



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: 65.60 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

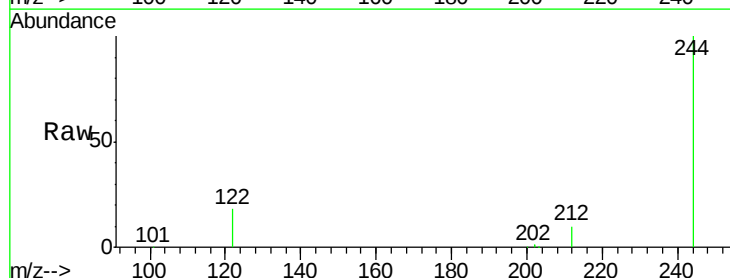
Tgt Ion:244 Resp: 824075

Ion Ratio Lower Upper

244 100

212 9.9 9.1 13.7

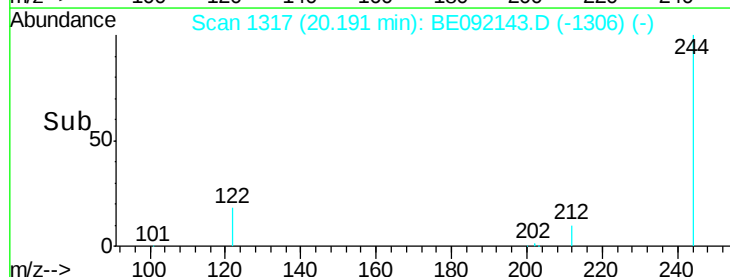
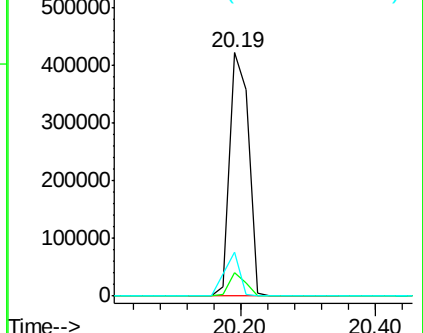
122 18.0 11.0 16.4#

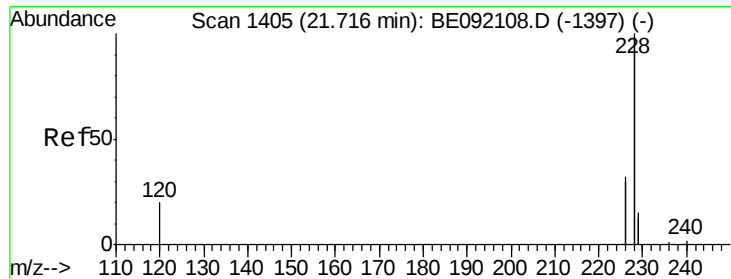


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

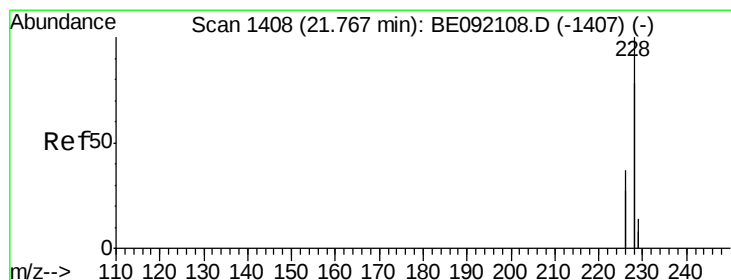
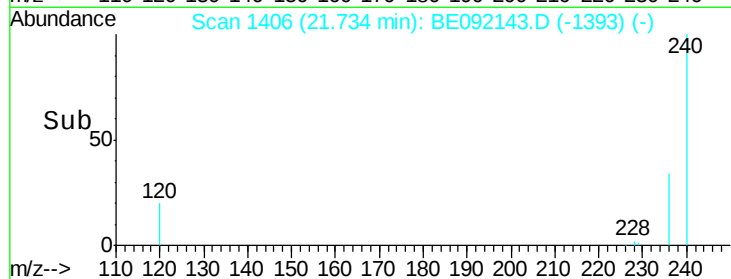
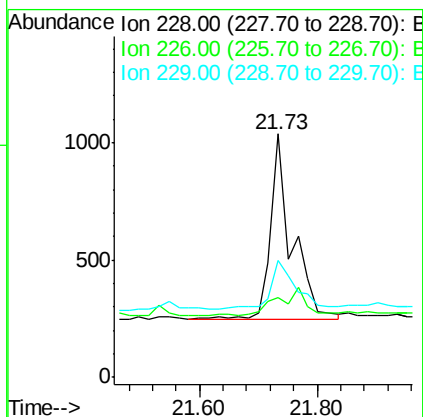
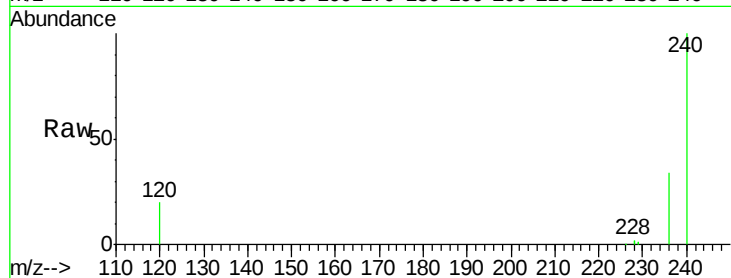




#25
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092143.D
Acq: 3 Aug 2016 11:46

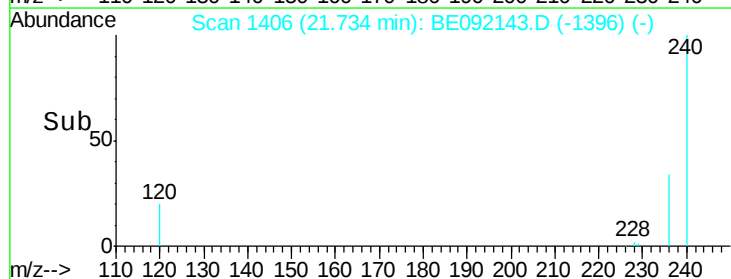
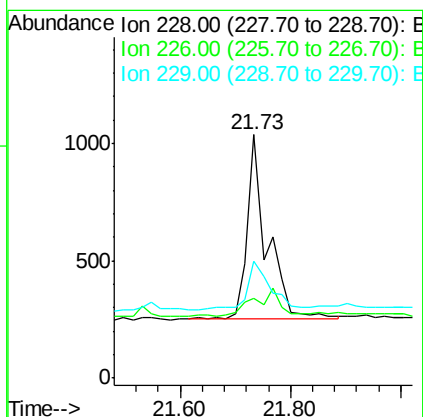
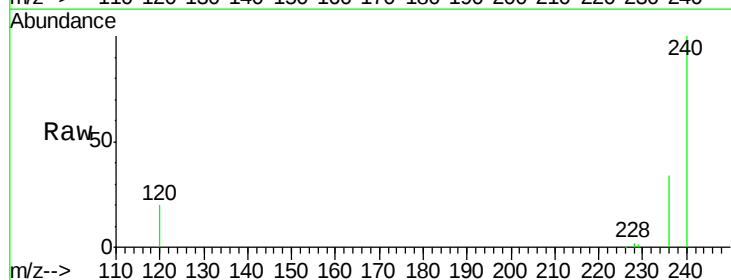
Instrument :
BNA_E
ClientSampleId :
GW-25-10.5-15.0

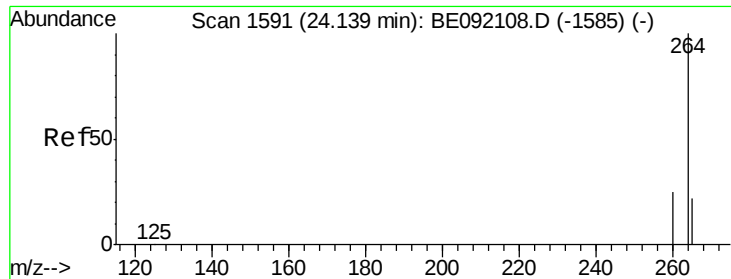
Tgt Ion:228 Resp: 1980
Ion Ratio Lower Upper
228 100
226 32.9 22.1 33.1
229 48.0 15.1 22.7#



#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092143.D
Acq: 3 Aug 2016 11:46

Tgt Ion:228 Resp: 1966
Ion Ratio Lower Upper
228 100
226 32.9 22.3 33.5
229 48.0 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: BE092143.D

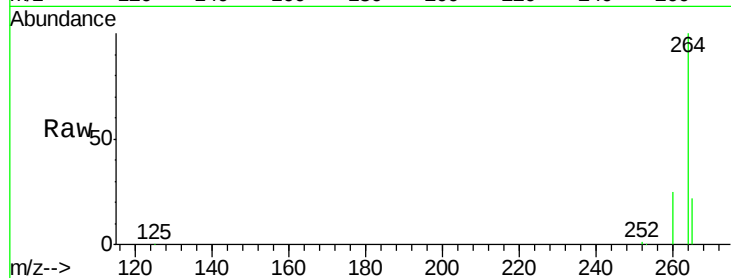
Acq: 3 Aug 2016 11:46

Instrument :

BNA_E

ClientSampleId :

GW-25-10.5-15.0



Tgt Ion: 264 Resp: 90998

Ion Ratio Lower Upper

264 100

260 24.6 20.8 31.2

265 21.9 16.6 25.0

