

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092203.D
 Acq On : 5 Aug 2016 4:33
 Operator : UM/SJ
 Sample : H4287-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-59-9.6-19.0

Quant Time: Aug 05 06:03:44 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

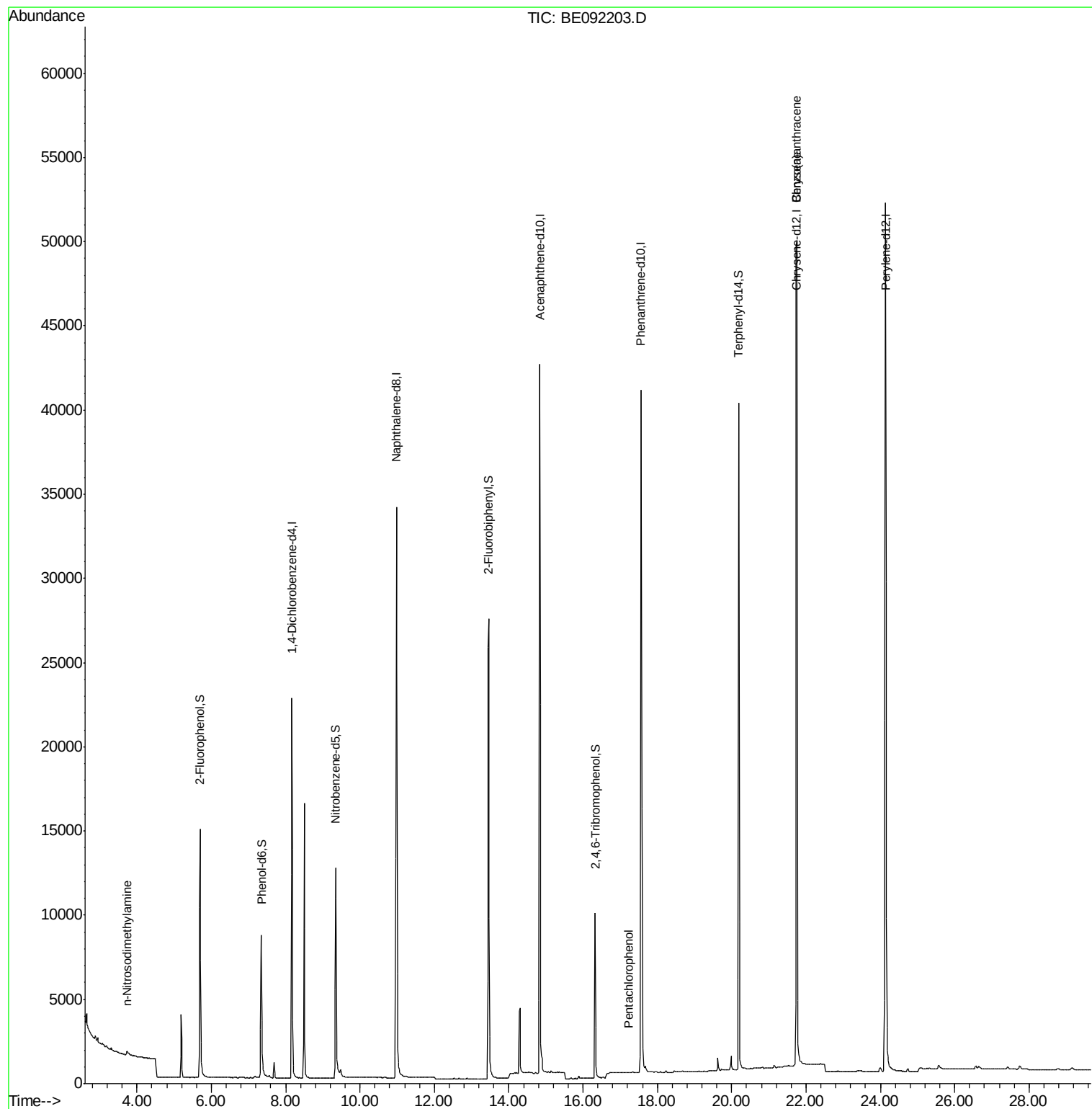
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11711	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	53161	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	28451	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	66192	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	76505	5.00	ng	0.00
28) Perylene-d12	24.14	264	80465	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	12997	4.32	ng	0.00
5) Phenol-d6	7.35	99	11123	2.78	ng	0.00
7) Nitrobenzene-d5	9.34	82	14382	3.43	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7466	8.08	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	32740	3.63	ng	0.00
24) Terphenyl-d14	20.19	244	45575	4.15	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.72	42	134	0.15	ng	# 1
8) Naphthalene	11.03	128	90	Below Cal		# 1
18) Pentachlorophenol	17.24	266	7	0.20	ng	# 78
25) Benzo(a)anthracene	21.73	228	1870	0.02	ng	# 67
26) Chrysene	21.73	228	1949	0.02	ng	# 70
30) Benzo(k)fluoranthene	23.46	252	75	Below Cal		# 1

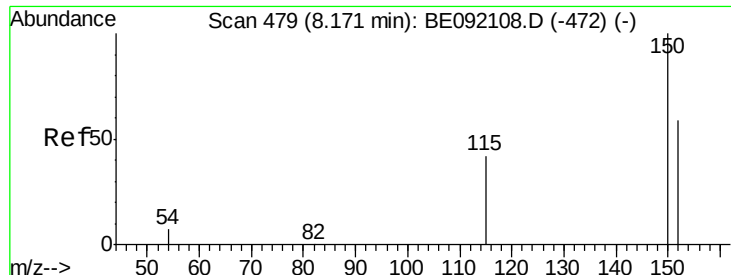
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 02 16:59:37 2016
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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: BE092203.D

Acq: 5 Aug 2016 4:33

Instrument :

BNA_E

ClientSampleId :

GW-59-9.6-19.0

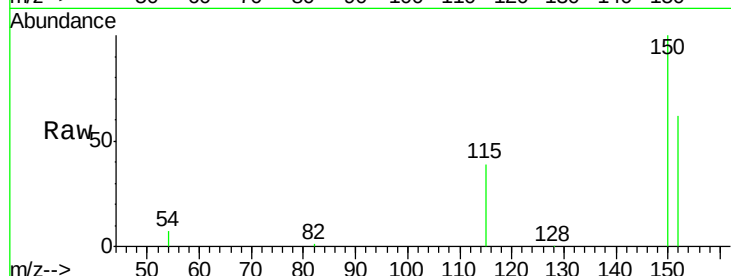
Tgt Ion:152 Resp: 11711

Ion Ratio Lower Upper

152 100

150 161.7 106.0 159.0#

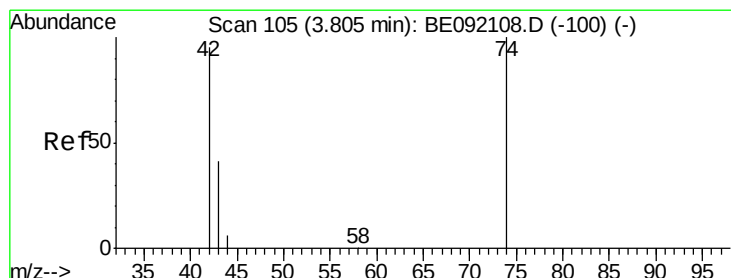
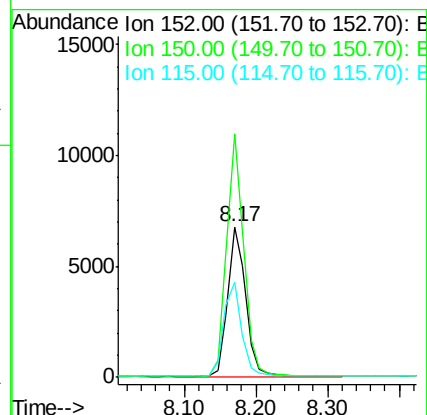
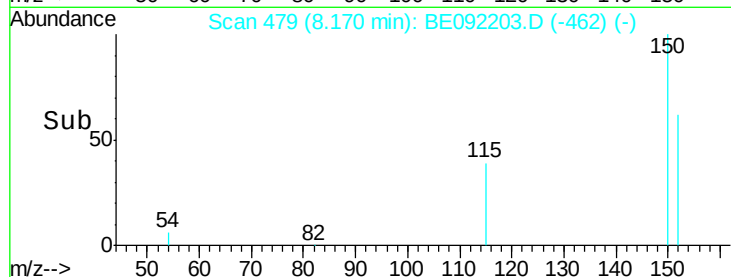
115 63.1 36.9 55.3#



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: 0.15 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.08 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

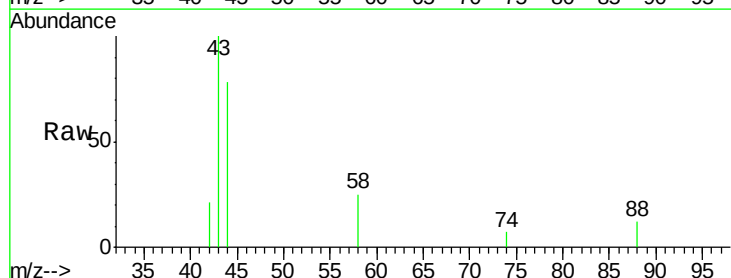
Tgt Ion: 42 Resp: 134

Ion Ratio Lower Upper

42 100

74 0.7 82.8 124.2#

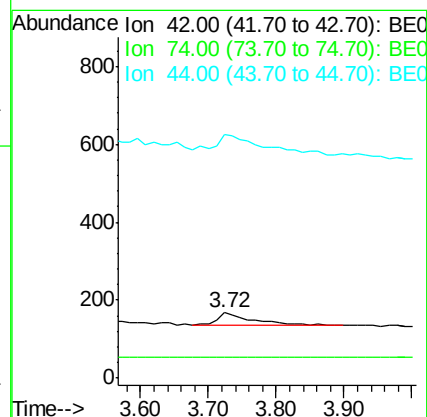
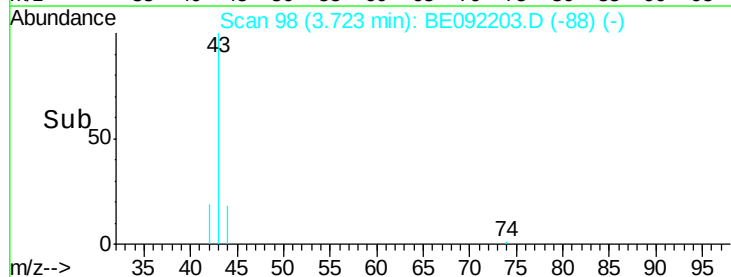
44 182.1 9.0 13.4#

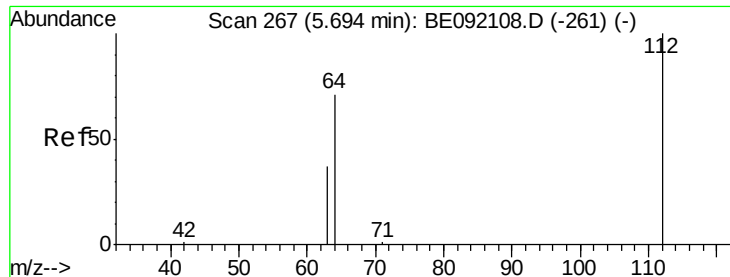


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.32 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

Instrument :

BNA_E

ClientSampleId :

GW-59-9.6-19.0

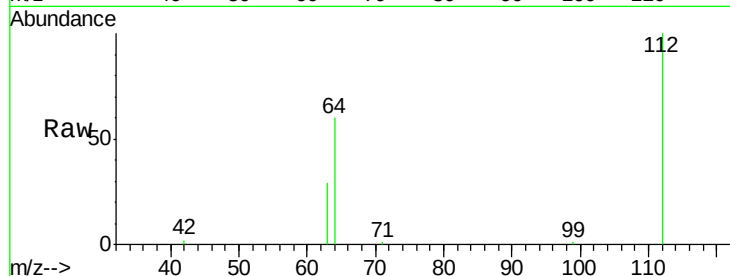
Tgt Ion: 112 Resp: 12997

Ion Ratio Lower Upper

112 100

64 67.5 55.9 83.9

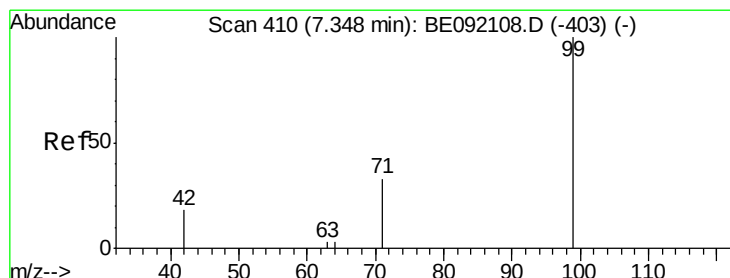
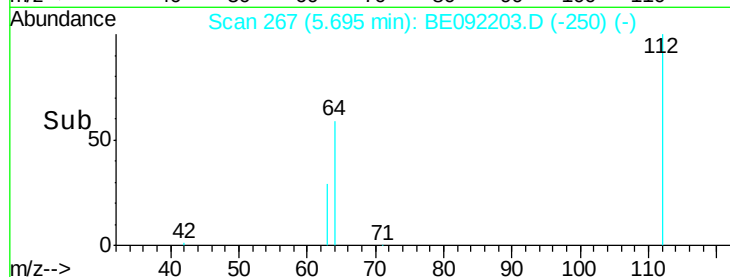
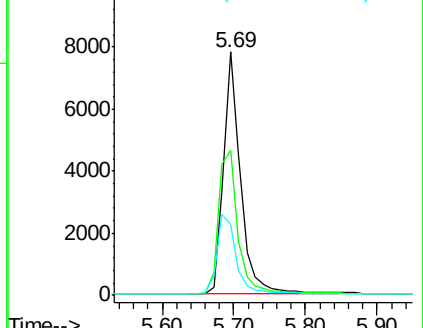
63 36.5 31.1 46.7



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: 2.78 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

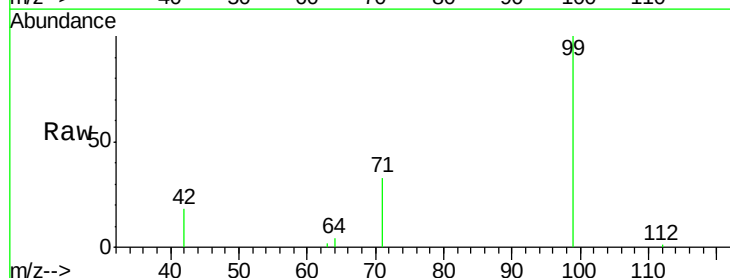
Tgt Ion: 99 Resp: 11123

Ion Ratio Lower Upper

99 100

42 24.9 22.4 33.6

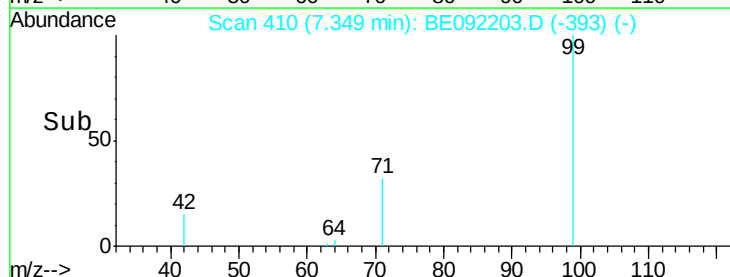
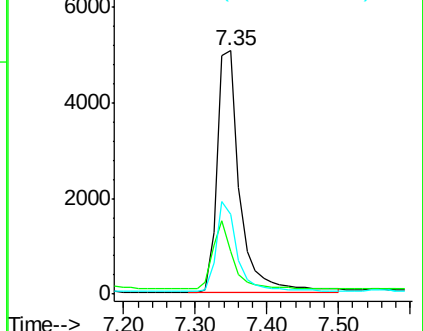
71 34.9 28.9 43.3

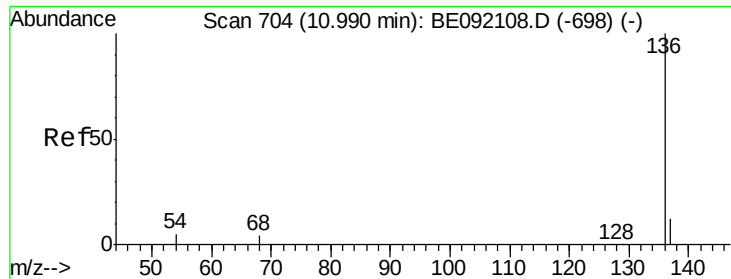


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

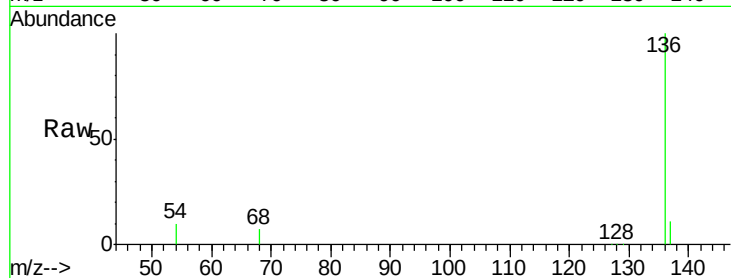




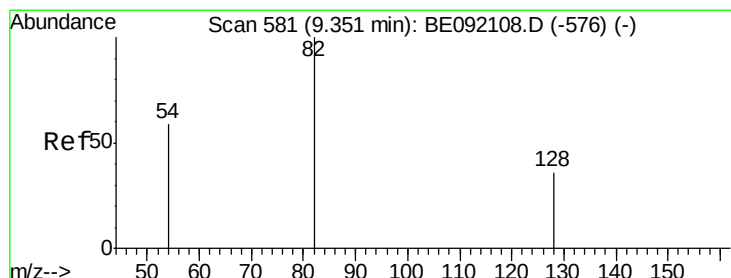
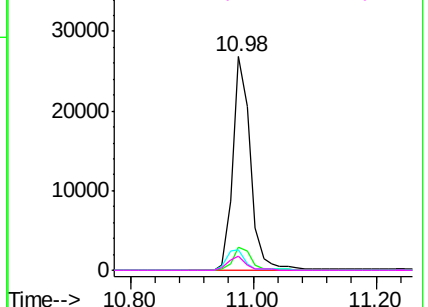
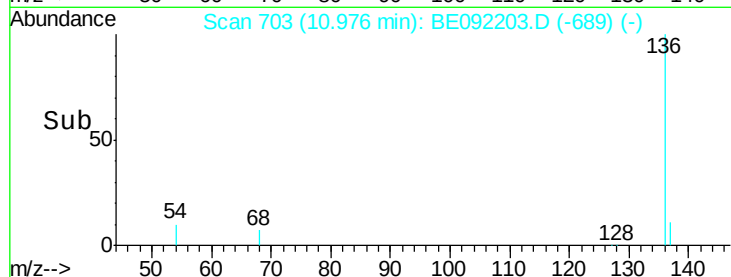
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092203.D
Acq: 5 Aug 2016 4:33

Instrument :
BNA_E
ClientSampleId :
GW-59-9.6-19.0

Tgt Ion: 136 Resp: 53161
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 9.7 2.7 4.1#
68 6.7 2.2 3.4#

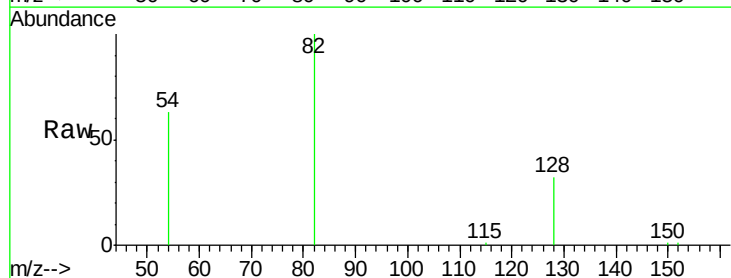


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

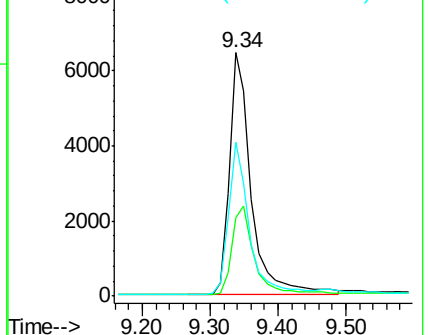
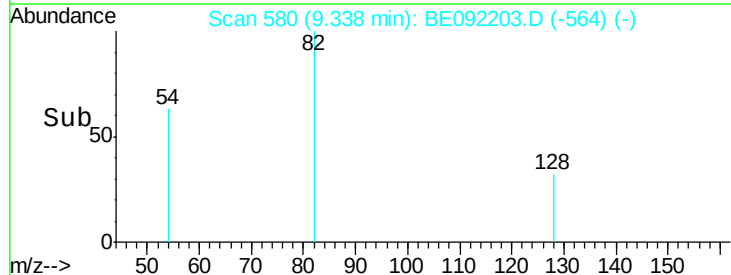


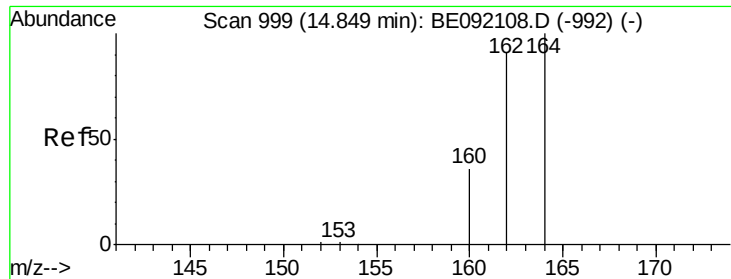
#7
Nitrobenzene-d5
Concen: 3.43 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092203.D
Acq: 5 Aug 2016 4:33

Tgt Ion: 82 Resp: 14382
Ion Ratio Lower Upper
82 100
128 32.2 33.0 49.4#
54 63.1 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: BE092203.D

Acq: 5 Aug 2016 4:33

Instrument :

BNA_E

ClientSampleId :

GW-59-9.6-19.0

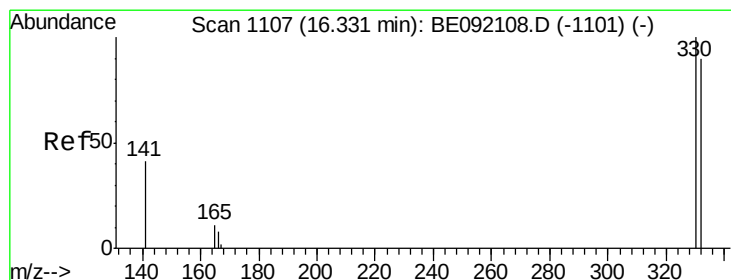
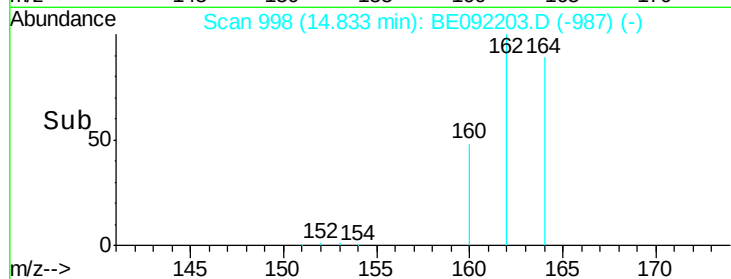
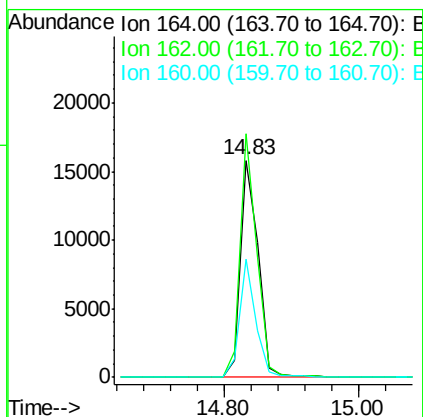
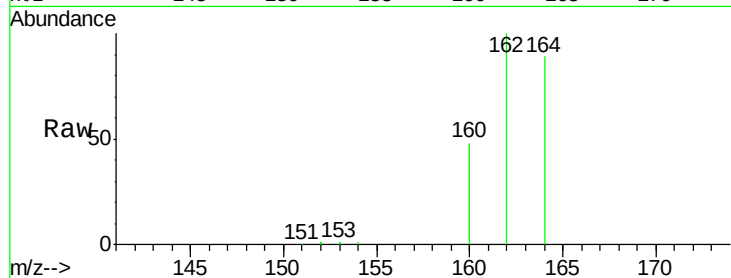
Tgt Ion:164 Resp: 28451

Ion Ratio Lower Upper

164 100

162 112.3 69.5 104.3#

160 54.3 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 8.08 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

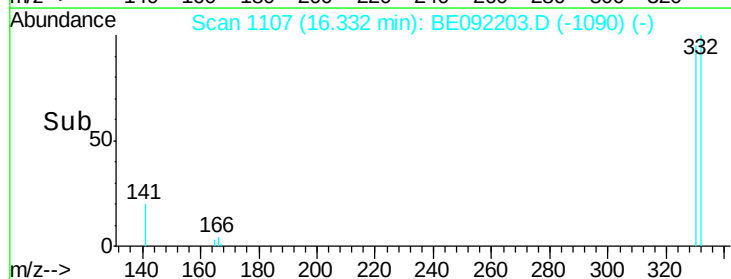
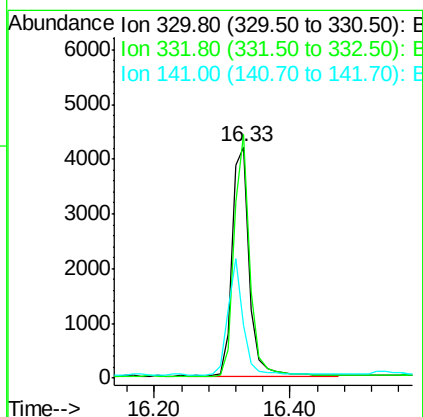
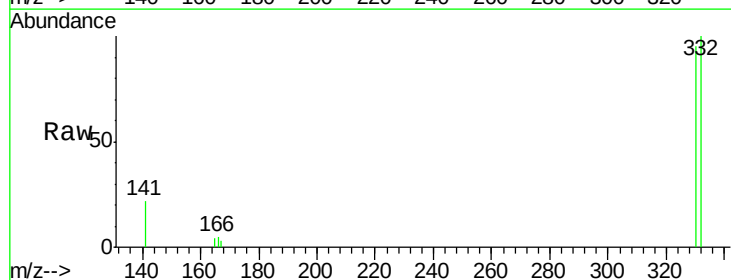
Tgt Ion:330 Resp: 7466

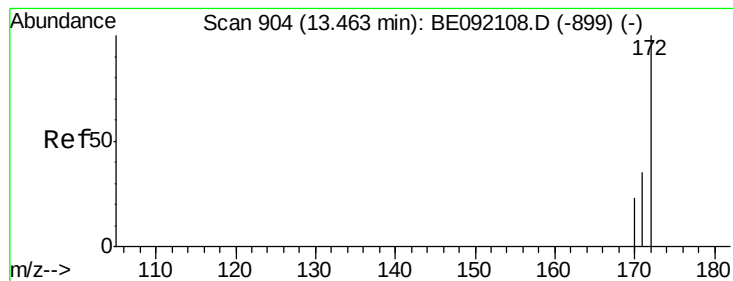
Ion Ratio Lower Upper

330 100

332 96.5 74.2 111.4

141 44.4 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 3.63 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

Instrument :

BNA_E

ClientSampleId :

GW-59-9.6-19.0

Tgt Ion:172 Resp: 32740

Ion Ratio Lower Upper

172 100

171 31.2

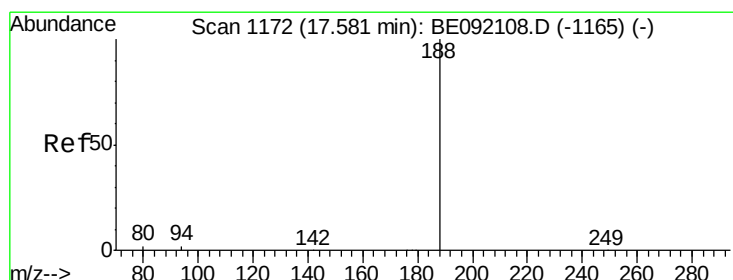
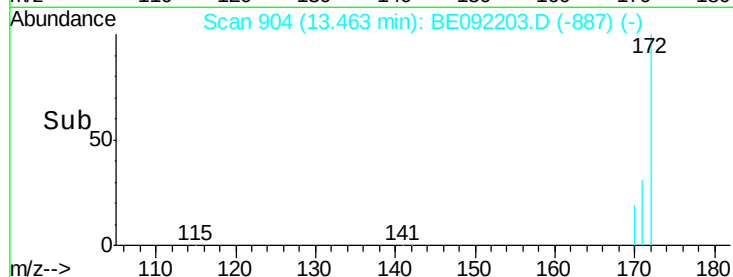
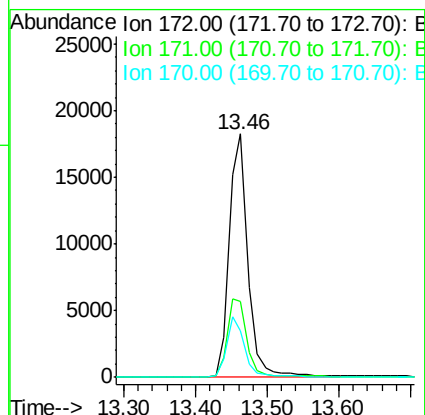
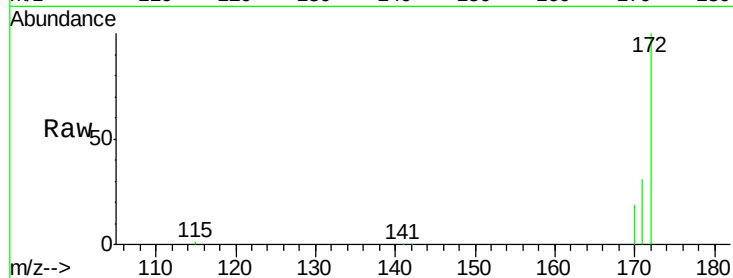
170 18.9

30.3

21.6

45.5

32.4#



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

Tgt Ion:188 Resp: 66192

Ion Ratio Lower Upper

188 100

94 14.0

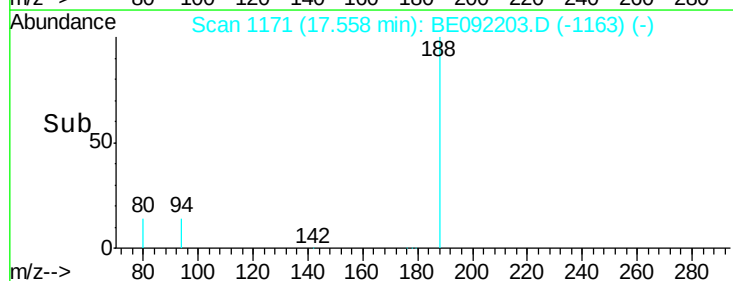
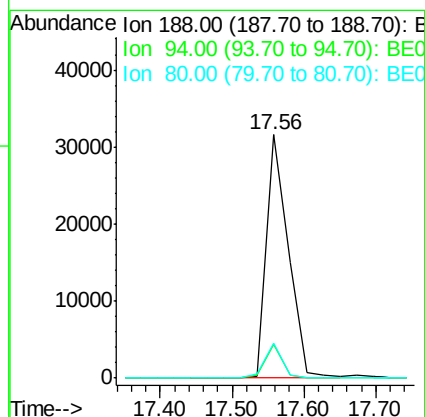
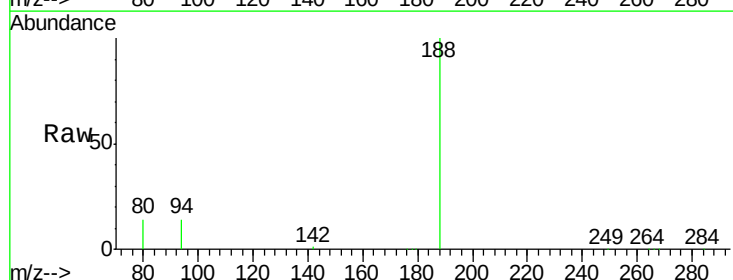
80 14.5

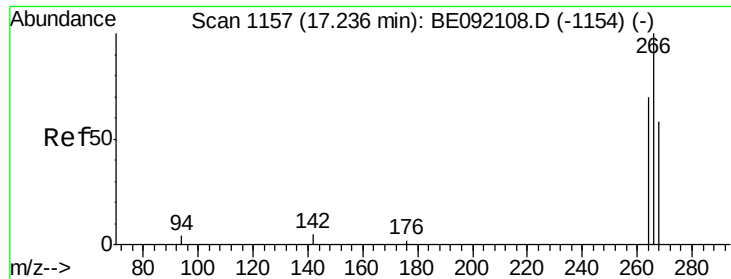
3.9

3.4

5.9#

5.0#





#18

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092203.D

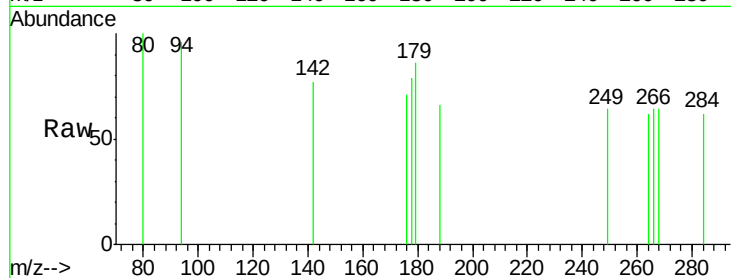
Acq: 5 Aug 2016 4:33

Instrument :

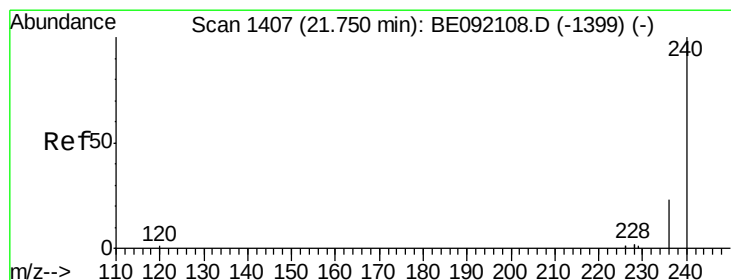
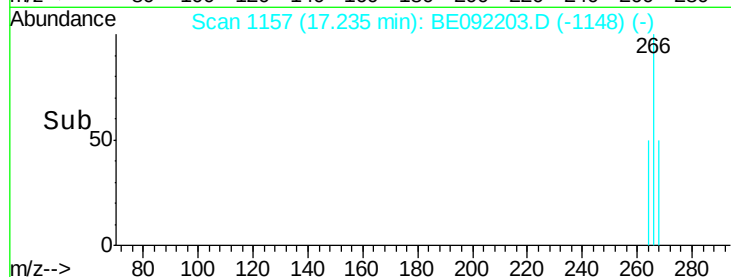
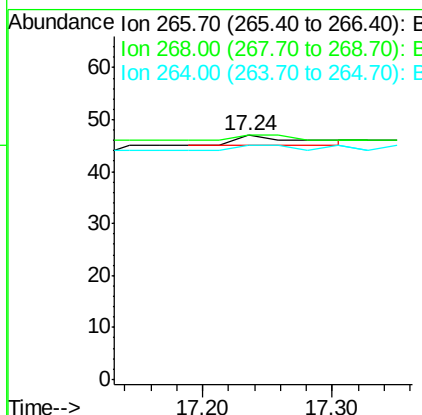
BNA_E

ClientSampleId :

GW-59-9.6-19.0



Tgt Ion:	266	Resp:	7
Ion	Ratio	Lower	Upper
266	100		
268	100.0	62.7	94.1#
264	95.7	63.5	95.3#



#22

Chrysene-d12

Concen: 5.00 ng

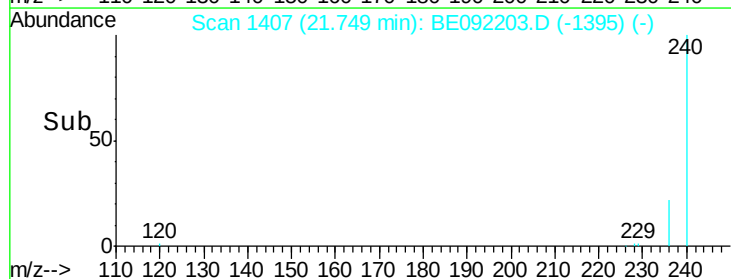
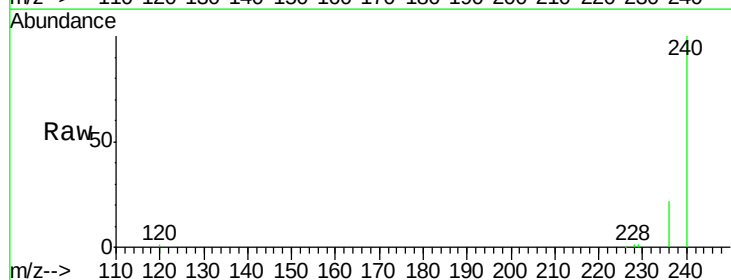
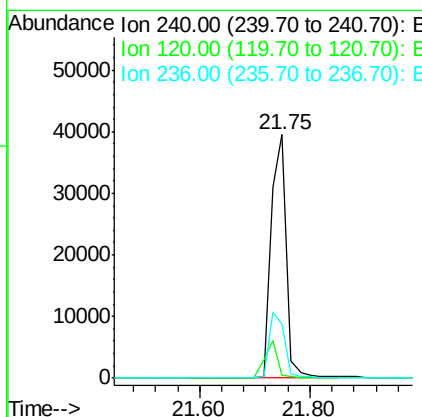
RT: 21.75 min Scan# 1407

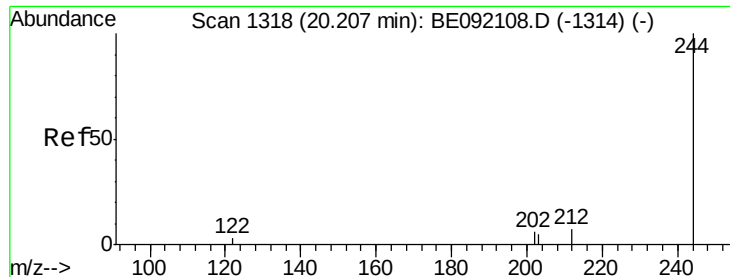
Delta R.T. -0.00 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

Tgt Ion:	240	Resp:	76505
Ion	Ratio	Lower	Upper
240	100		
120	1.4	0.6	1.0#
236	22.2	18.2	27.4





#24

Terphenyl-d14

Concen: 4.15 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

Instrument :

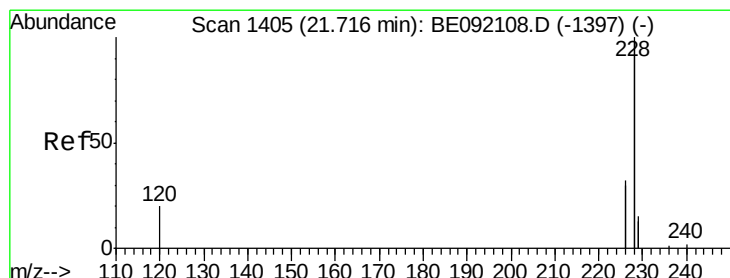
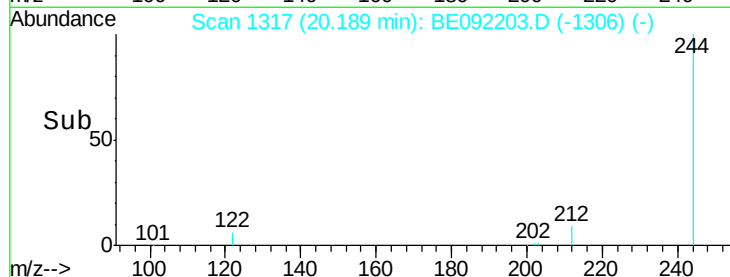
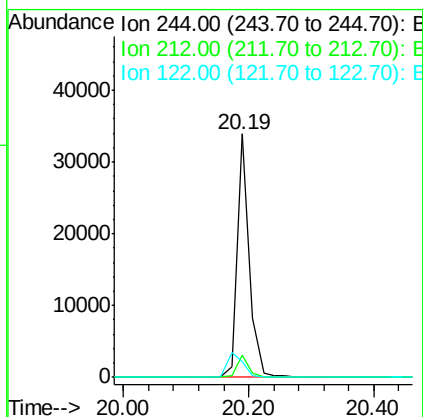
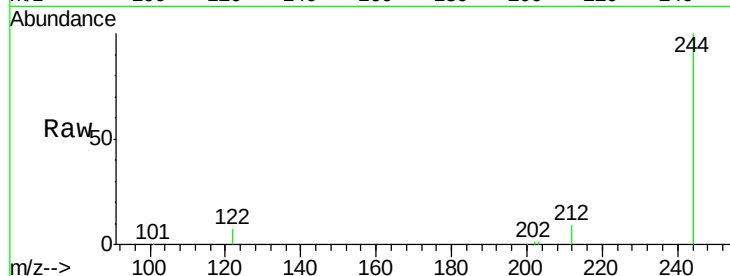
BNA_E

ClientSampleId :

GW-59-9.6-19.0

Tgt Ion:244 Resp: 45575

Ion	Ratio	Lower	Upper
244	100		
212	9.0	9.1	13.7#
122	6.7	11.0	16.4#



#25

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.73 min Scan# 1406

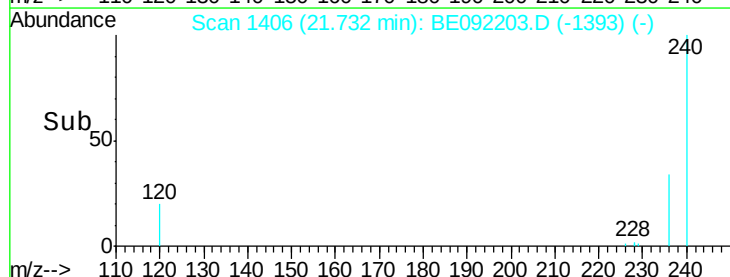
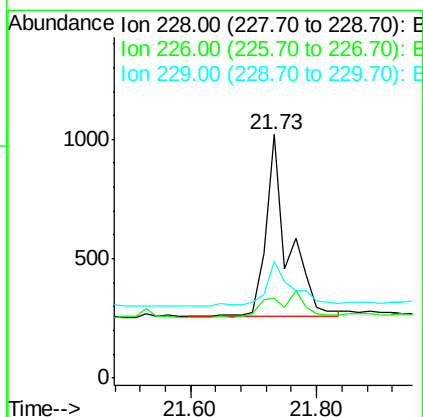
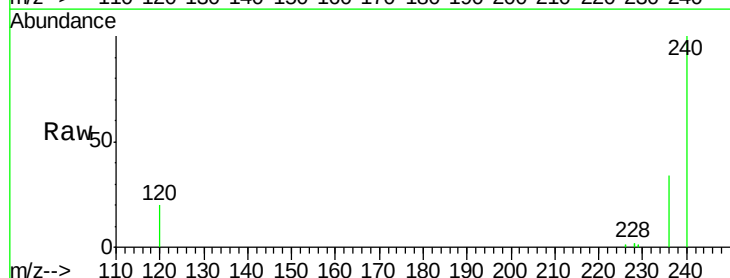
Delta R.T. 0.02 min

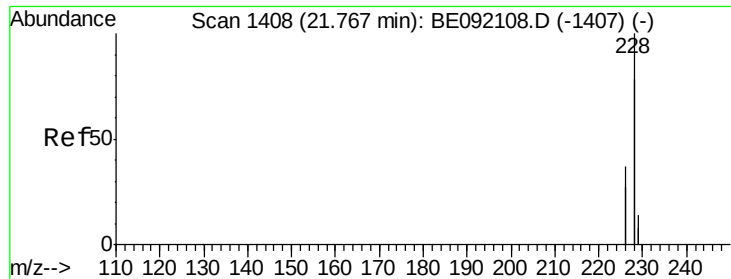
Lab File: BE092203.D

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Tgt Ion:228 Resp: 1870

Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.1	33.1
229	48.2	15.1	22.7#





#26

Chrysene

Concen: 0.02 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.03 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

Instrument :

BNA_E

ClientSampled :

GW-59-9.6-19.0

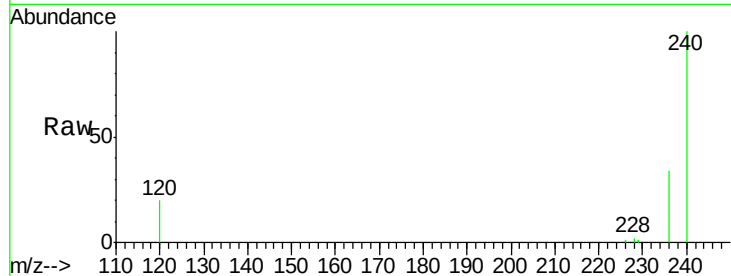
Tgt Ion:228 Resp: 1949

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

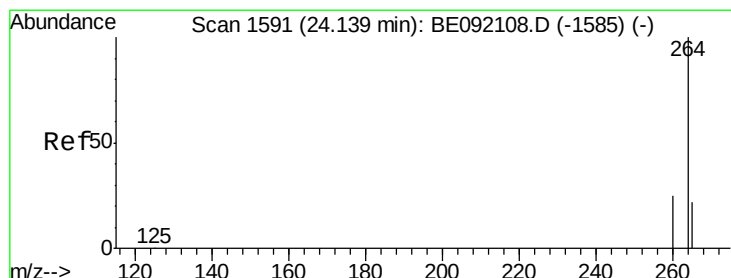
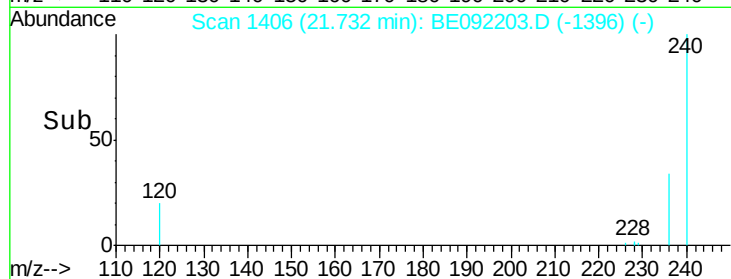
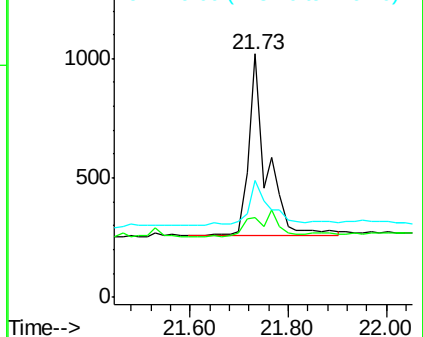
229 48.2 16.9 25.3#



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



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092203.D

Acq: 5 Aug 2016 4:33

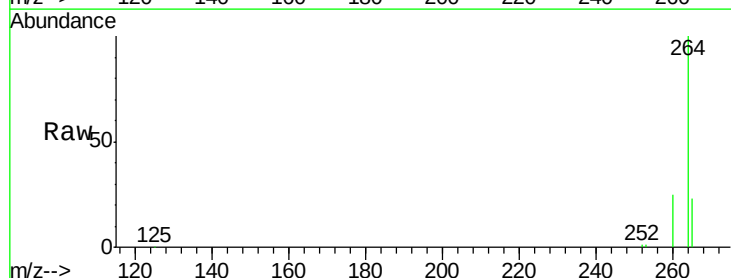
Tgt Ion:264 Resp: 80465

Ion Ratio Lower Upper

264 100

260 24.7 20.8 31.2

265 22.7 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

