

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092122.D
 Acq On : 2 Aug 2016 22:00
 Operator : UM/SJ
 Sample : H4152-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-13-6.0-15.0

Quant Time: Aug 03 03:54:31 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

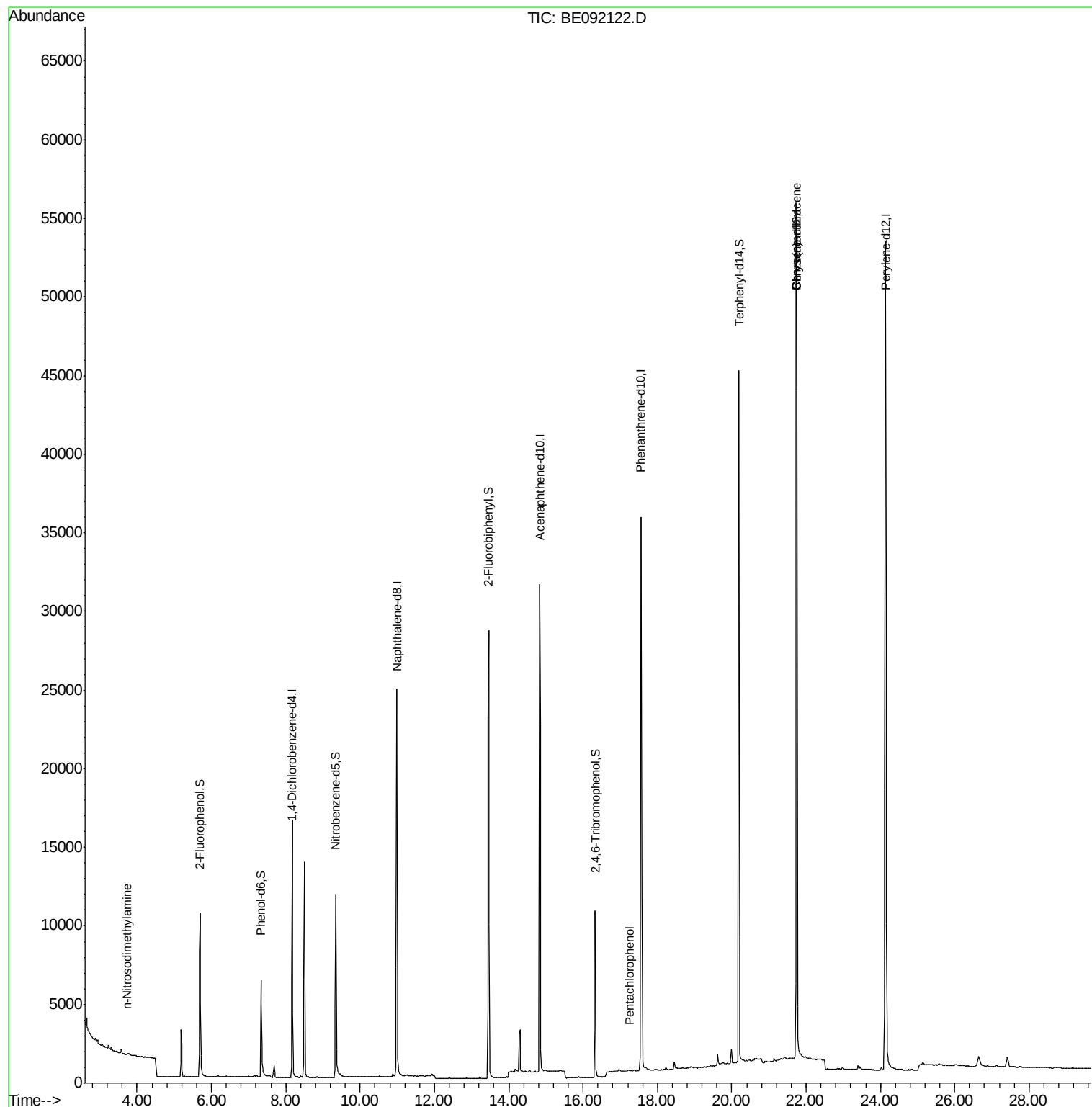
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	8932	5.00	ng	0.01
6) Naphthalene-d8	10.99	136	40608	5.00	ng	0.00
10) Acenaphthene-d10	14.83	164	23038	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	53116	5.00	ng	-0.02
22) Chrysene-d12	21.73	240	76185	5.00	ng	-0.02
28) Perylene-d12	24.14	264	77670	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	9444	4.12	ng	0.00
5) Phenol-d6	7.34	99	7835	2.56	ng	-0.01
7) Nitrobenzene-d5	9.34	82	12958	4.04	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7702	10.30	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	30013	4.11	ng	0.00
24) Terphenyl-d14	20.19	244	49754	4.55	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.73	42	98	0.15	ng	# 1
8) Naphthalene	11.03	128	46	Below Cal	#	1
18) Pentachlorophenol	17.24	266	25	0.22	ng	# 83
19) Phenanthrene	17.61	178	278	Below Cal	#	46
25) Benzo(a)anthracene	21.73	228	2422	0.03	ng	# 49
26) Chrysene	21.73	228	2422	0.03	ng	# 51
30) Benzo(k)fluoranthene	23.45	252	265	Below Cal	#	1

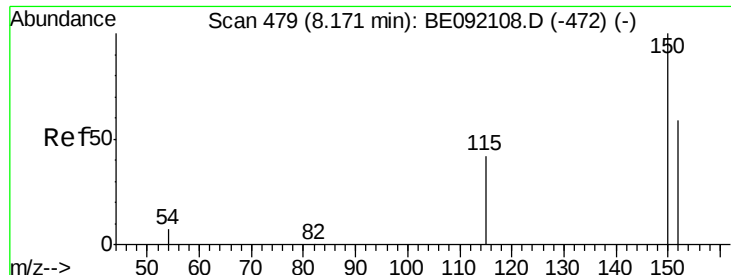
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 02 16:59:37 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 480

Delta R.T. 0.01 min

Lab File: BE092122.D

Acq: 2 Aug 2016 22:00

Instrument :

BNA_E

ClientSampleId :

GW-13-6.0-15.0

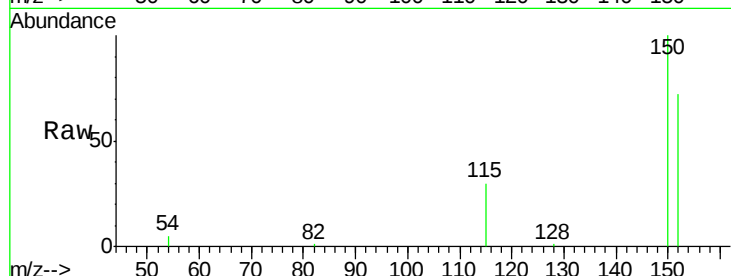
Tgt Ion:152 Resp: 8932

Ion Ratio Lower Upper

152 100

150 139.2 106.0 159.0

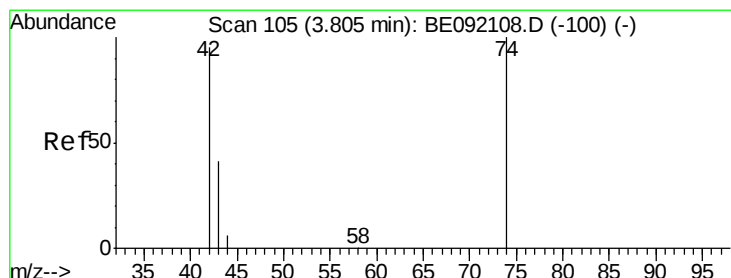
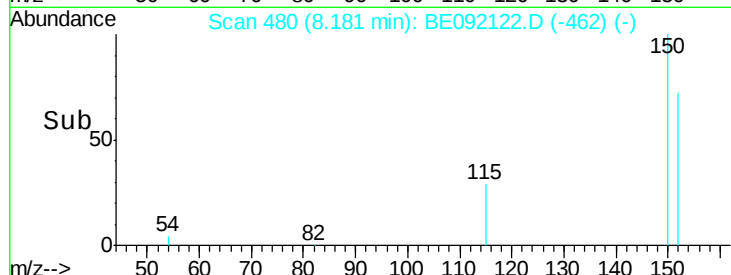
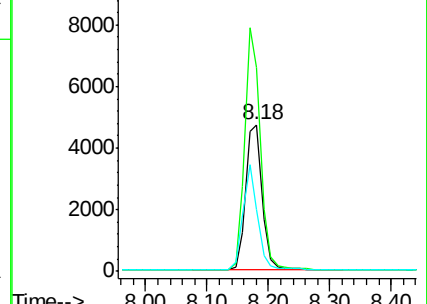
115 41.8 36.9 55.3



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: 3.73 min Scan# 99

Delta R.T. -0.07 min

Lab File: BE092122.D

Acq: 2 Aug 2016 22:00

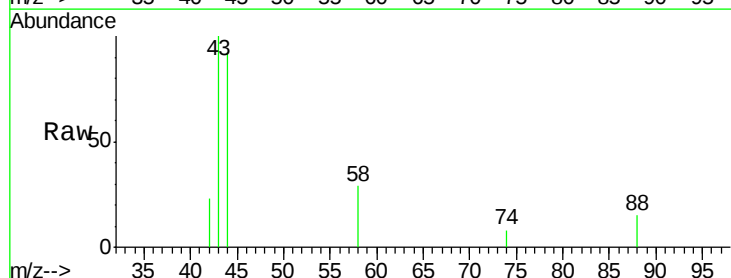
Tgt Ion: 42 Resp: 98

Ion Ratio Lower Upper

42 100

74 6.1 82.8 124.2#

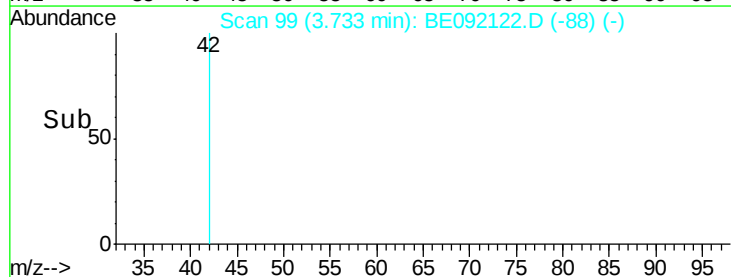
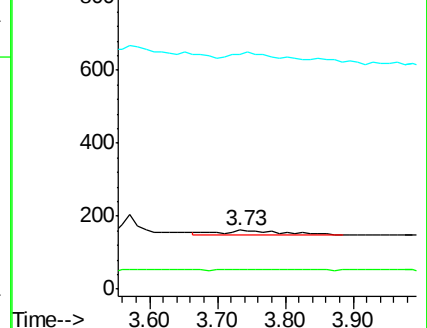
44 78.6 9.0 13.4#

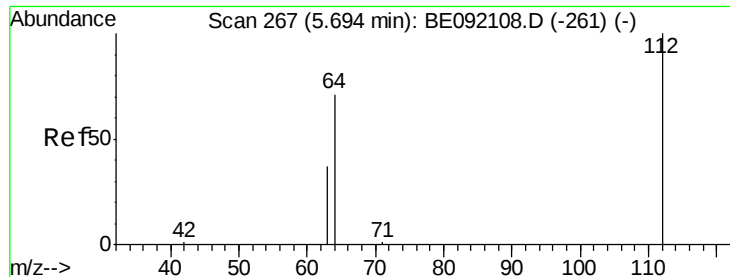


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.12 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092122.D

Acq: 2 Aug 2016 22:00

Instrument :

BNA_E

ClientSampleId :

GW-13-6.0-15.0

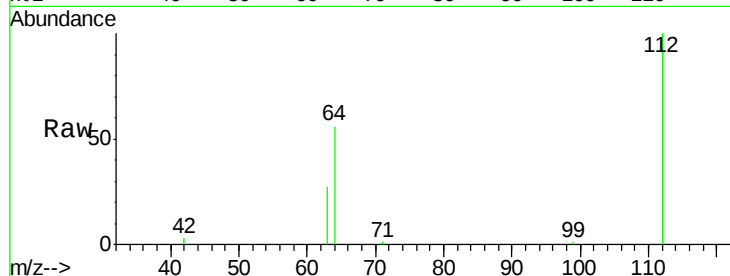
Tgt Ion: 112 Resp: 9444

Ion Ratio Lower Upper

112 100

64 66.5 55.9 83.9

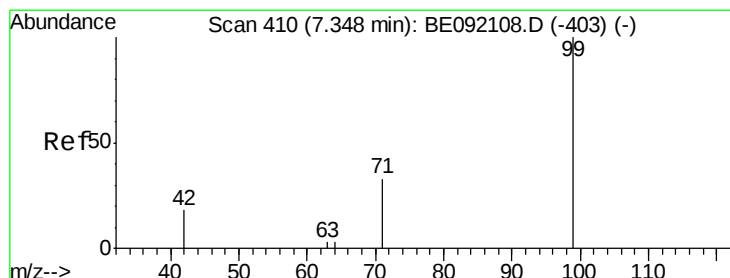
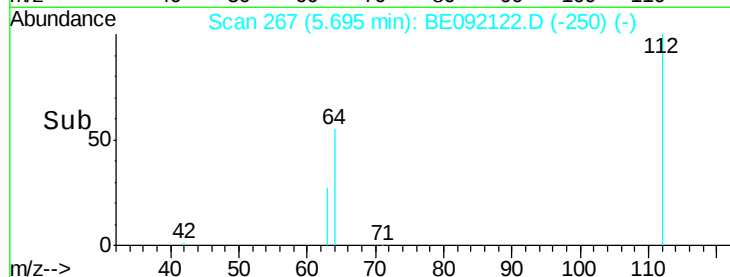
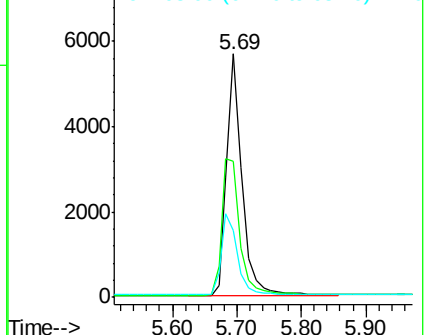
63 36.3 31.1 46.7



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: 2.56 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092122.D

Acq: 2 Aug 2016 22:00

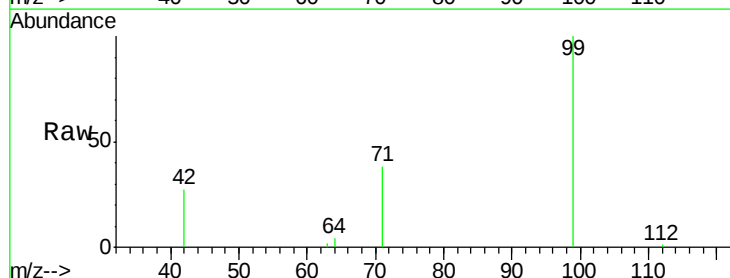
Tgt Ion: 99 Resp: 7835

Ion Ratio Lower Upper

99 100

42 24.3 22.4 33.6

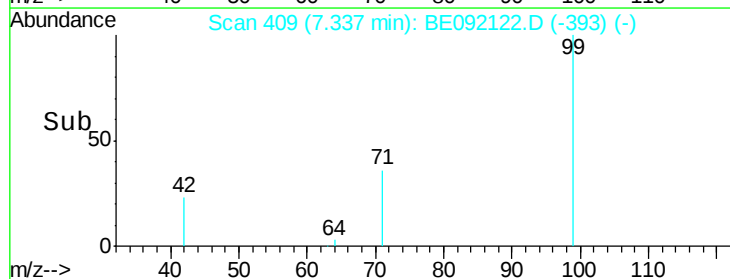
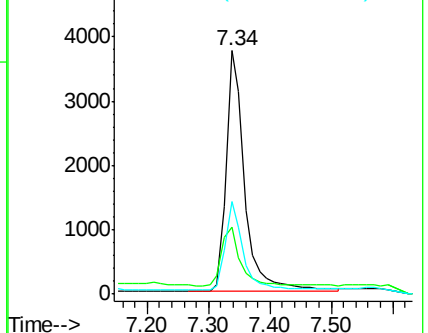
71 35.0 28.9 43.3

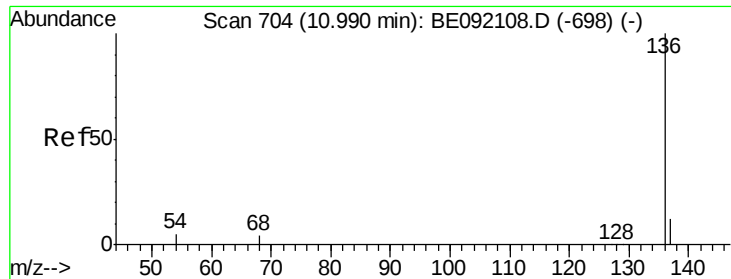


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

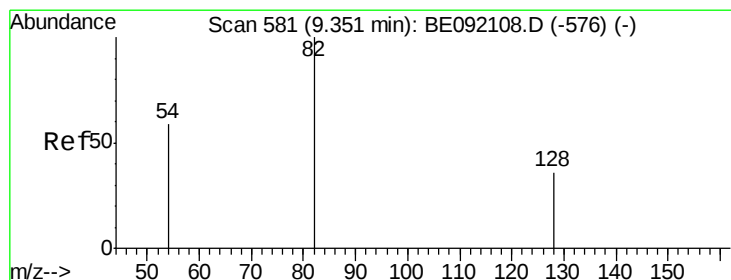
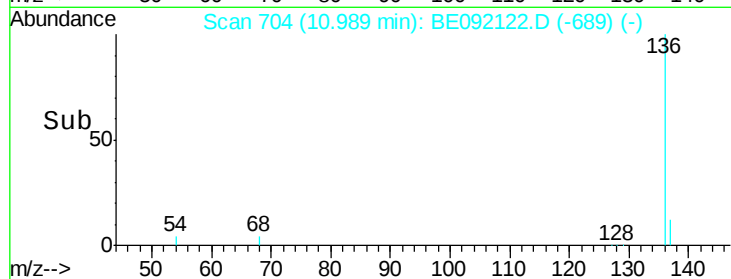
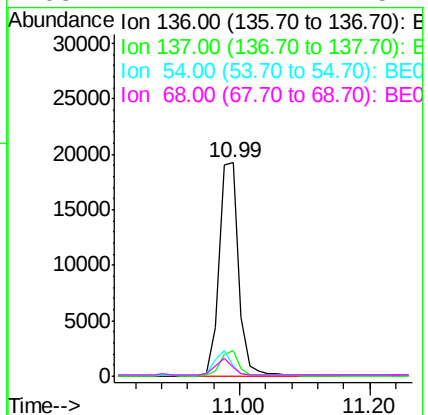
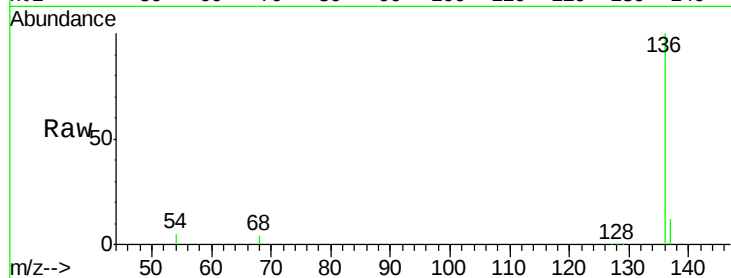




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 704
Delta R.T. -0.00 min
Lab File: BE092122.D
Acq: 2 Aug 2016 22:00

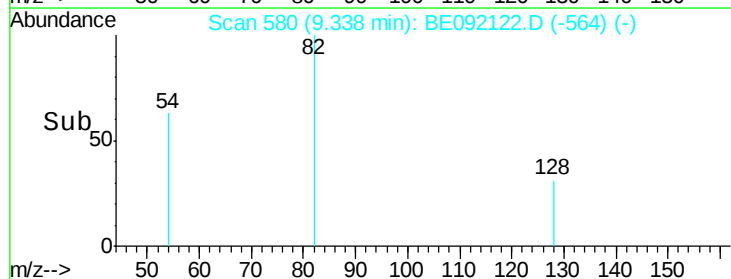
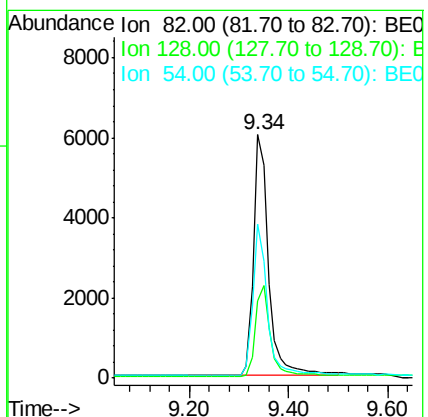
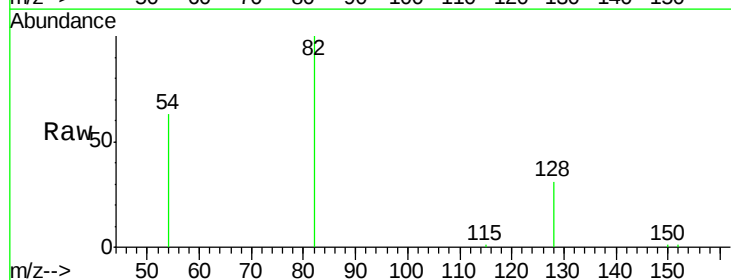
Instrument :
BNA_E
ClientSampleId :
GW-13-6.0-15.0

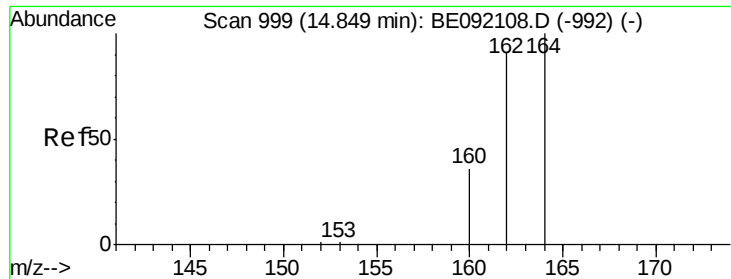
Tgt Ion: 136 Resp: 40608
Ion Ratio Lower Upper
136 100
137 11.9 9.1 13.7
54 4.8 2.7 4.1#
68 4.1 2.2 3.4#



#7
Nitrobenzene-d5
Concen: 4.04 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092122.D
Acq: 2 Aug 2016 22:00

Tgt Ion: 82 Resp: 12958
Ion Ratio Lower Upper
82 100
128 31.5 33.0 49.4#
54 63.3 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: BE092122.D

Acq: 2 Aug 2016 22:00

Instrument :

BNA_E

ClientSampleId :

GW-13-6.0-15.0

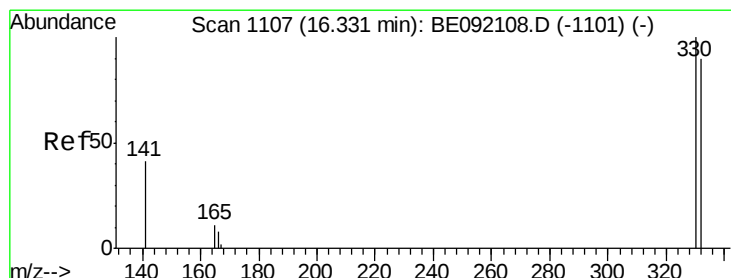
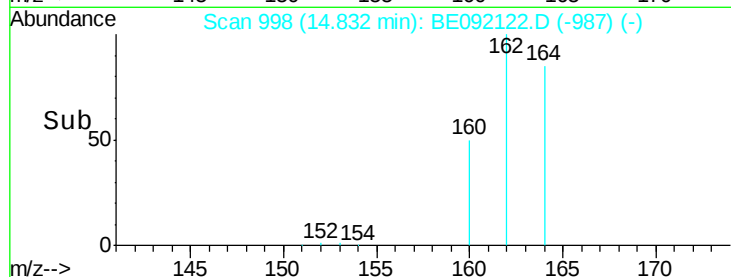
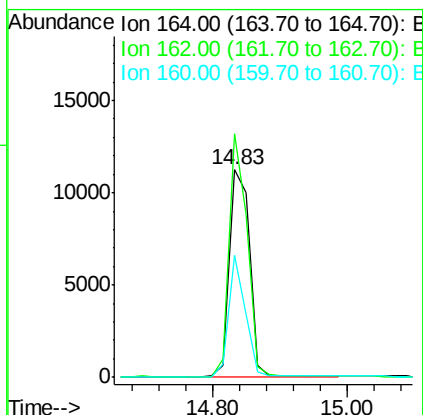
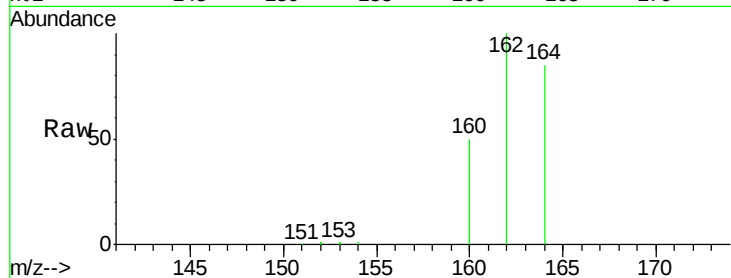
Tgt Ion:164 Resp: 23038

Ion Ratio Lower Upper

164 100

162 117.3 69.5 104.3#

160 59.0 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 10.30 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092122.D

Acq: 2 Aug 2016 22:00

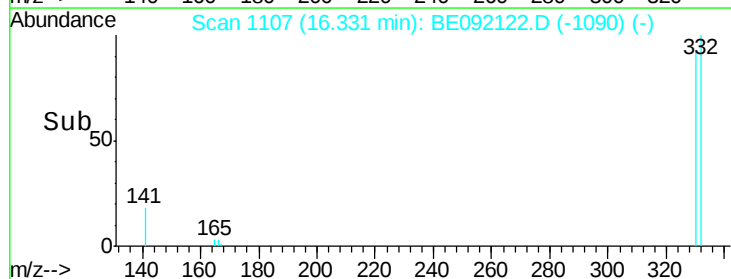
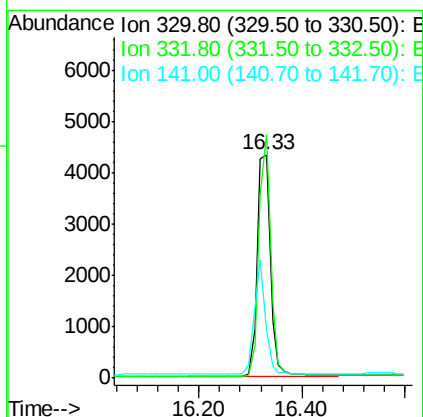
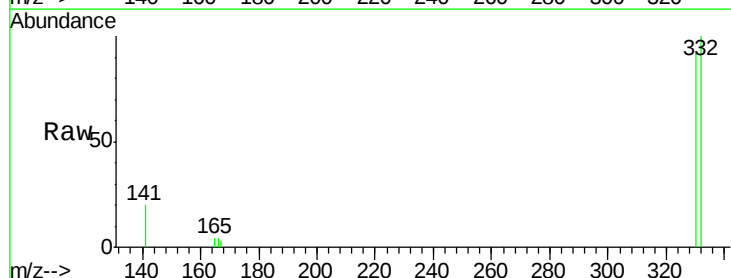
Tgt Ion:330 Resp: 7702

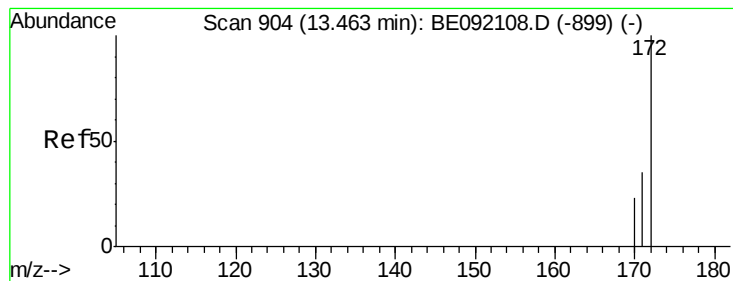
Ion Ratio Lower Upper

330 100

332 97.3 74.2 111.4

141 43.4 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 4.11 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092122.D

Acq: 2 Aug 2016 22:00

Instrument :

BNA_E

ClientSampleId :

GW-13-6.0-15.0

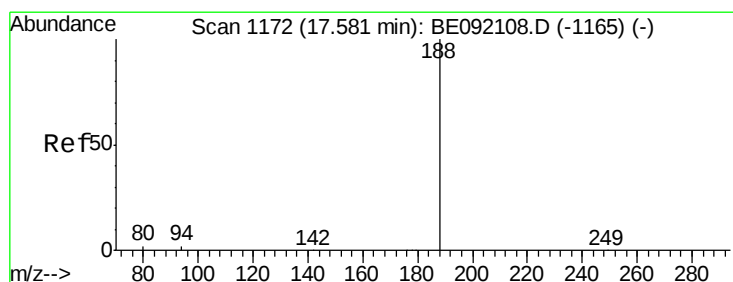
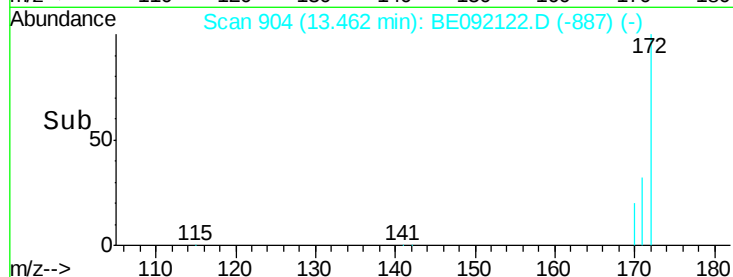
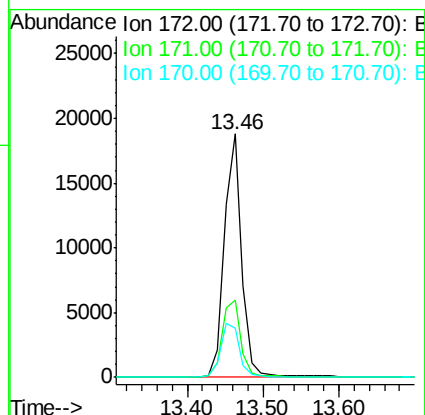
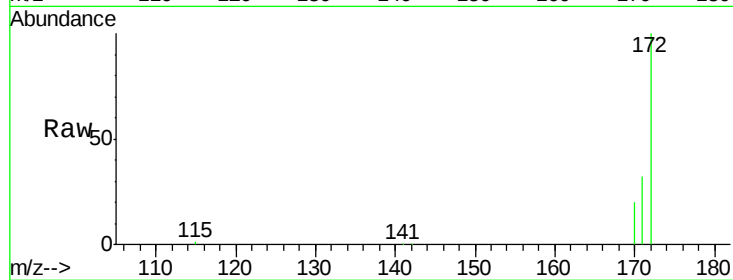
Tgt Ion:172 Resp: 30013

Ion Ratio Lower Upper

172 100

171 31.9 30.3 45.5

170 20.0 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: BE092122.D

Acq: 2 Aug 2016 22:00

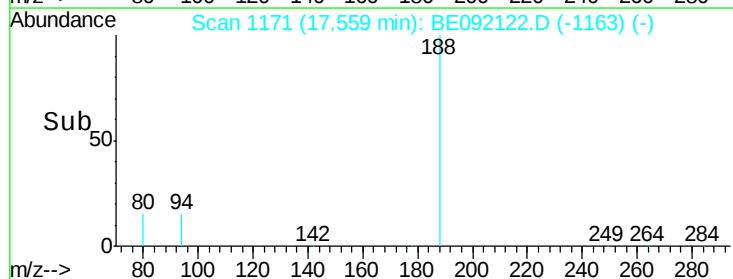
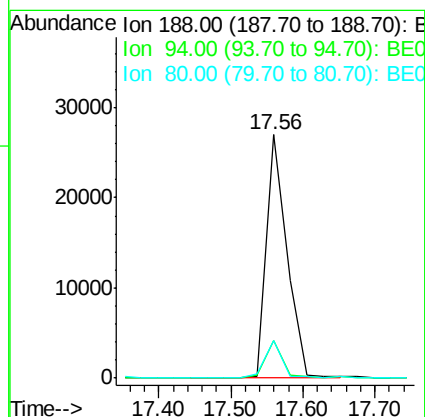
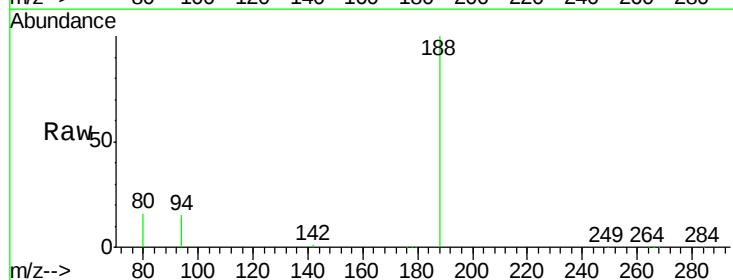
Tgt Ion:188 Resp: 53116

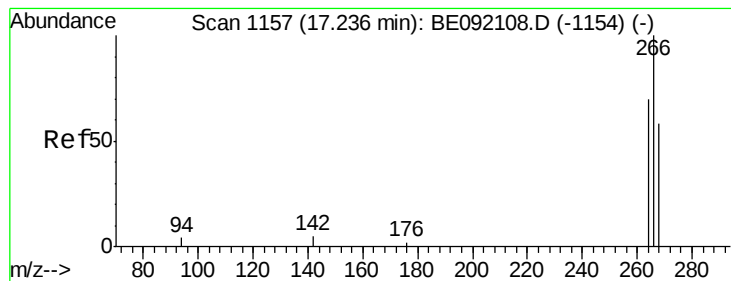
Ion Ratio Lower Upper

188 100

94 15.3 3.9 5.9#

80 15.5 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.22 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092122.D

Acq: 2 Aug 2016 22:00

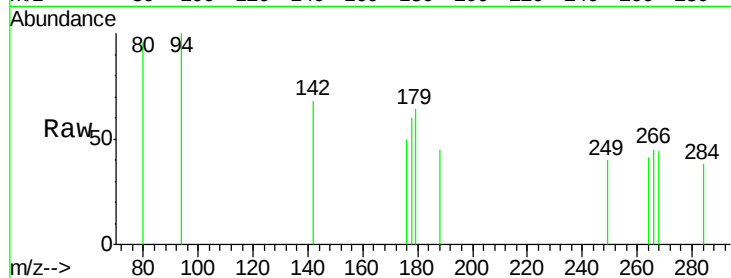
Instrument :

BNA_E

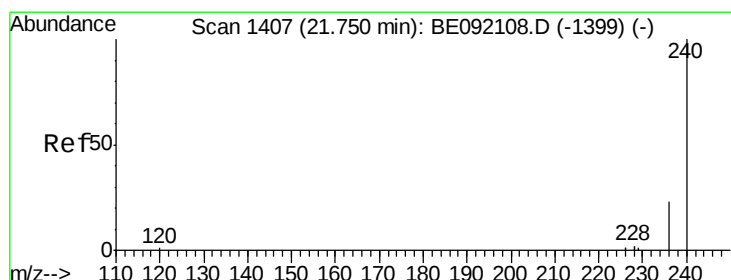
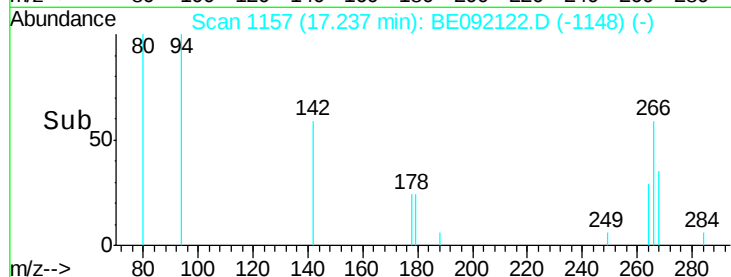
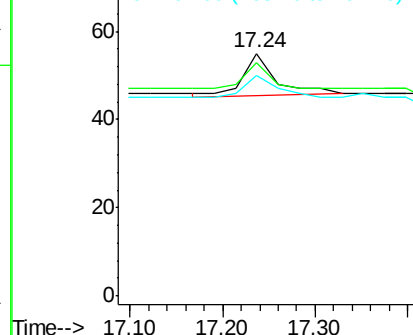
ClientSampleId :

GW-13-6.0-15.0

Tgt Ion:	266	Resp:	25
Ion	Ratio	Lower	Upper
266	100		
268	96.4	62.7	94.1#
264	90.9	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



#22

Chrysene-d12

Concen: 5.00 ng

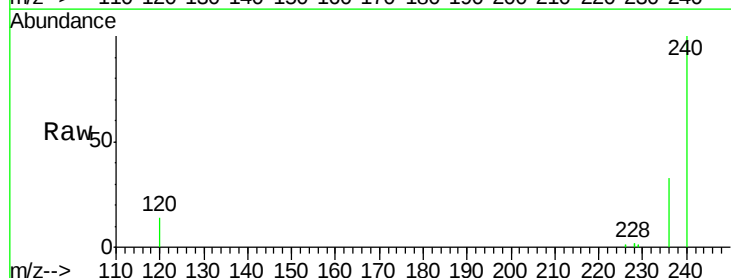
RT: 21.73 min Scan# 1406

Delta R.T. -0.02 min

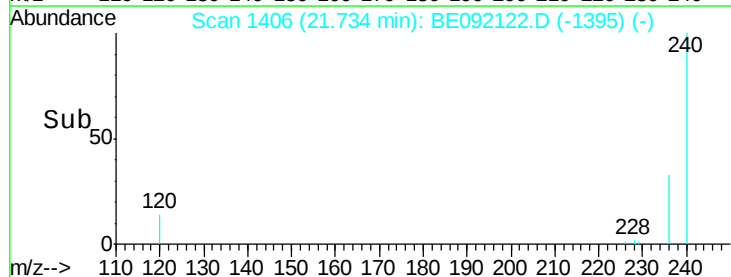
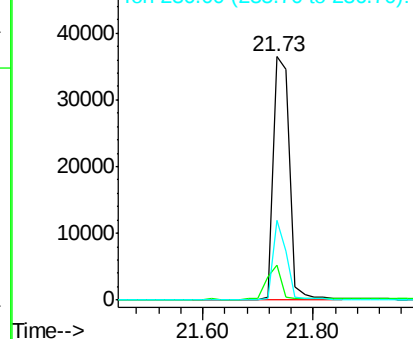
Lab File: BE092122.D

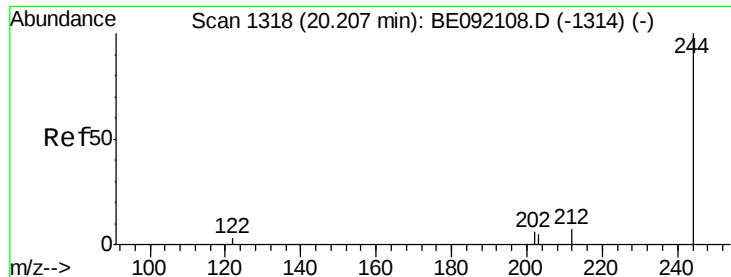
Acq: 2 Aug 2016 22:00

Tgt Ion:	240	Resp:	76185
Ion	Ratio	Lower	Upper
240	100		
120	14.5	0.6	1.0#
236	33.0	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

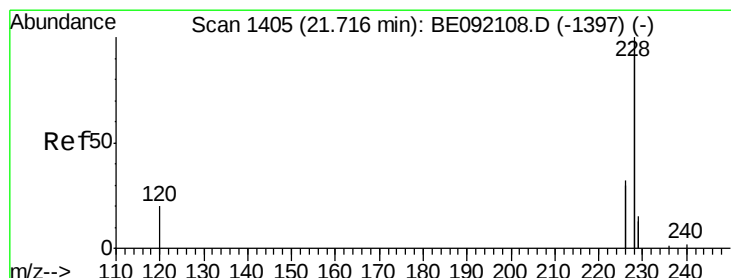
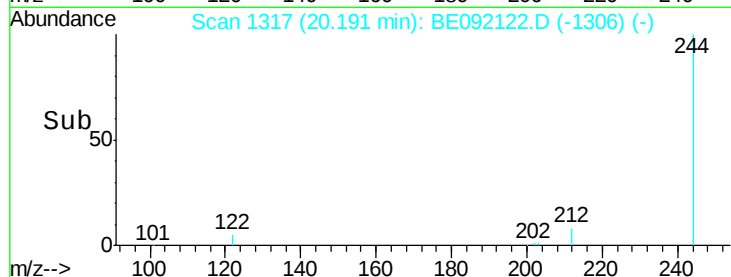
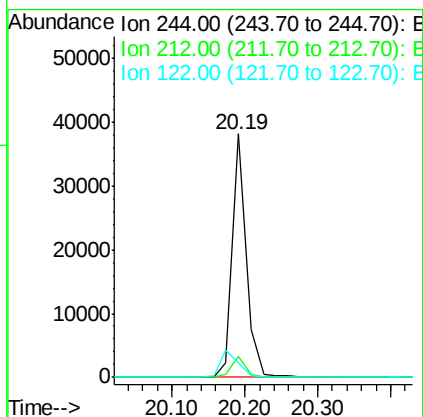
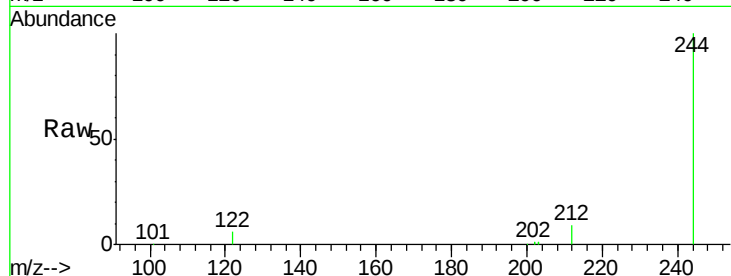




#24
 Terphenyl-d14
 Concen: 4.55 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092122.D
 Acq: 2 Aug 2016 22:00

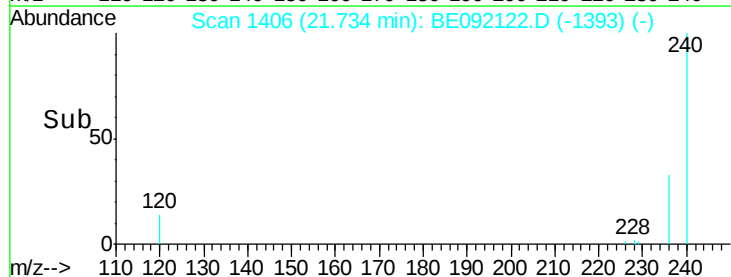
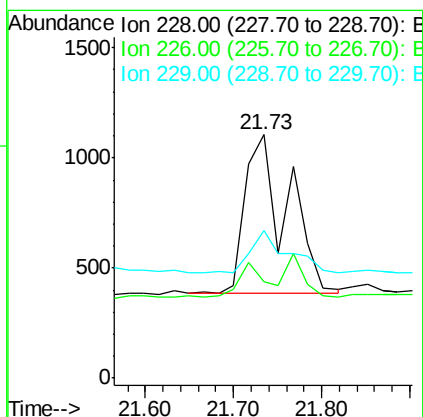
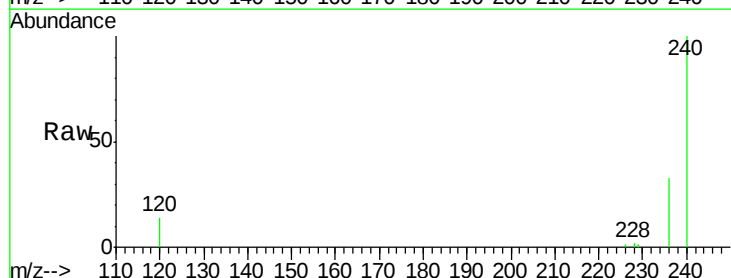
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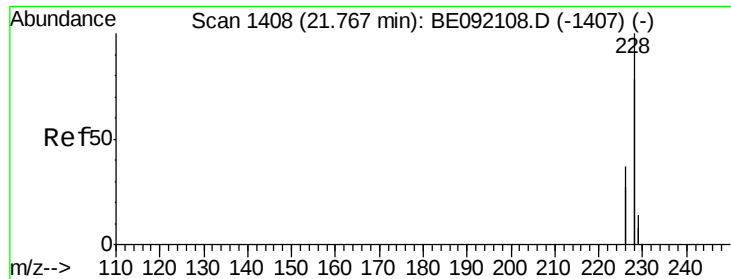
Tgt Ion:244 Resp: 49754
 Ion Ratio Lower Upper
 244 100
 212 8.6 9.1 13.7#
 122 5.8 11.0 16.4#



#25
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.73 min Scan# 1406
 Delta R.T. 0.02 min
 Lab File: BE092122.D
 Acq: 2 Aug 2016 22:00

Tgt Ion:228 Resp: 2422
 Ion Ratio Lower Upper
 228 100
 226 39.6 22.1 33.1#
 229 60.6 15.1 22.7#

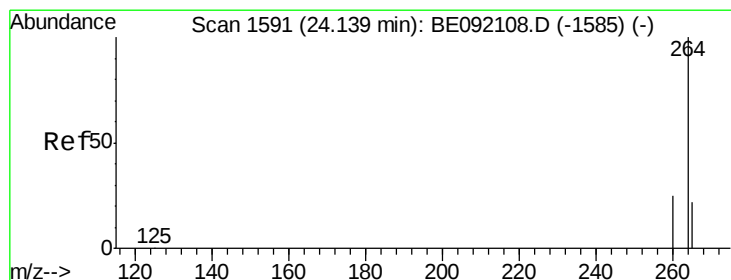
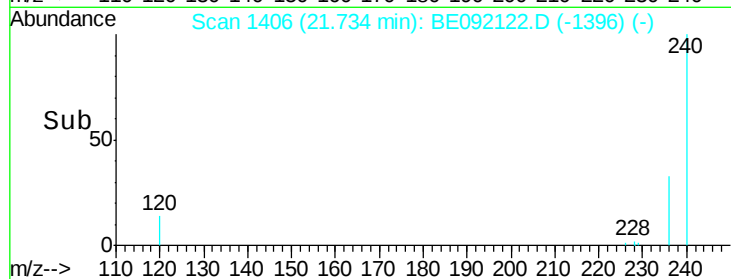
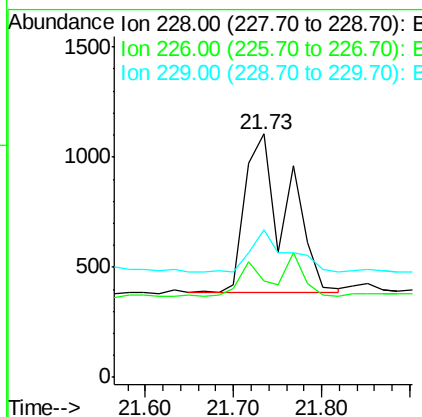
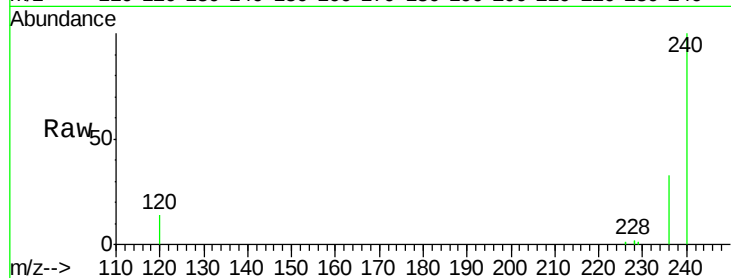




#26
Chrysene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092122.D
Acq: 2 Aug 2016 22:00

Instrument :
BNA_E
ClientSampleId :
GW-13-6.0-15.0

Tgt Ion: 228 Resp: 2422
Ion Ratio Lower Upper
228 100
226 39.6 22.3 33.5#
229 60.6 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: BE092122.D
Acq: 2 Aug 2016 22:00

Tgt Ion: 264 Resp: 77670
Ion Ratio Lower Upper
264 100
260 24.5 20.8 31.2
265 22.5 16.6 25.0

