

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092014.D
 Acq On : 22 Jul 2016 20:07
 Operator : UM/SJ
 Sample : H4120-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0

Manual Integrations

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Quant Time: Jul 25 12:15:08 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	25219	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	127435	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	89708	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	177768	5.00	ng	0.00
31) Chrysene-d12	21.76	240	238418	5.00	ng	0.00
40) Perylene-d12	24.16	264	189926	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	15072	3.08	ng	0.00
5) Phenol-d6	7.35	99	14960	1.81	ng	-0.02
9) Nitrobenzene-d5	9.37	82	24949	3.25	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	17042	5.53	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	75845	3.22	ng	0.00
34) Terphenyl-d14	20.20	244	126114	5.27	ng	-0.02
Target Compounds						
22) Fluorene	15.90	166	4439	0.16	ng	# 54
30) Fluoranthene	19.63	202	20758	0.11	ng	# 67
33) Pyrene	19.99	202	34193	0.20	ng	# 64
35) Benzo(a)anthracene	21.73	228	3805m	0.07	ng	
37) Chrysene	21.79	228	1930m	0.03	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	10344	0.29	ng	# 100

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

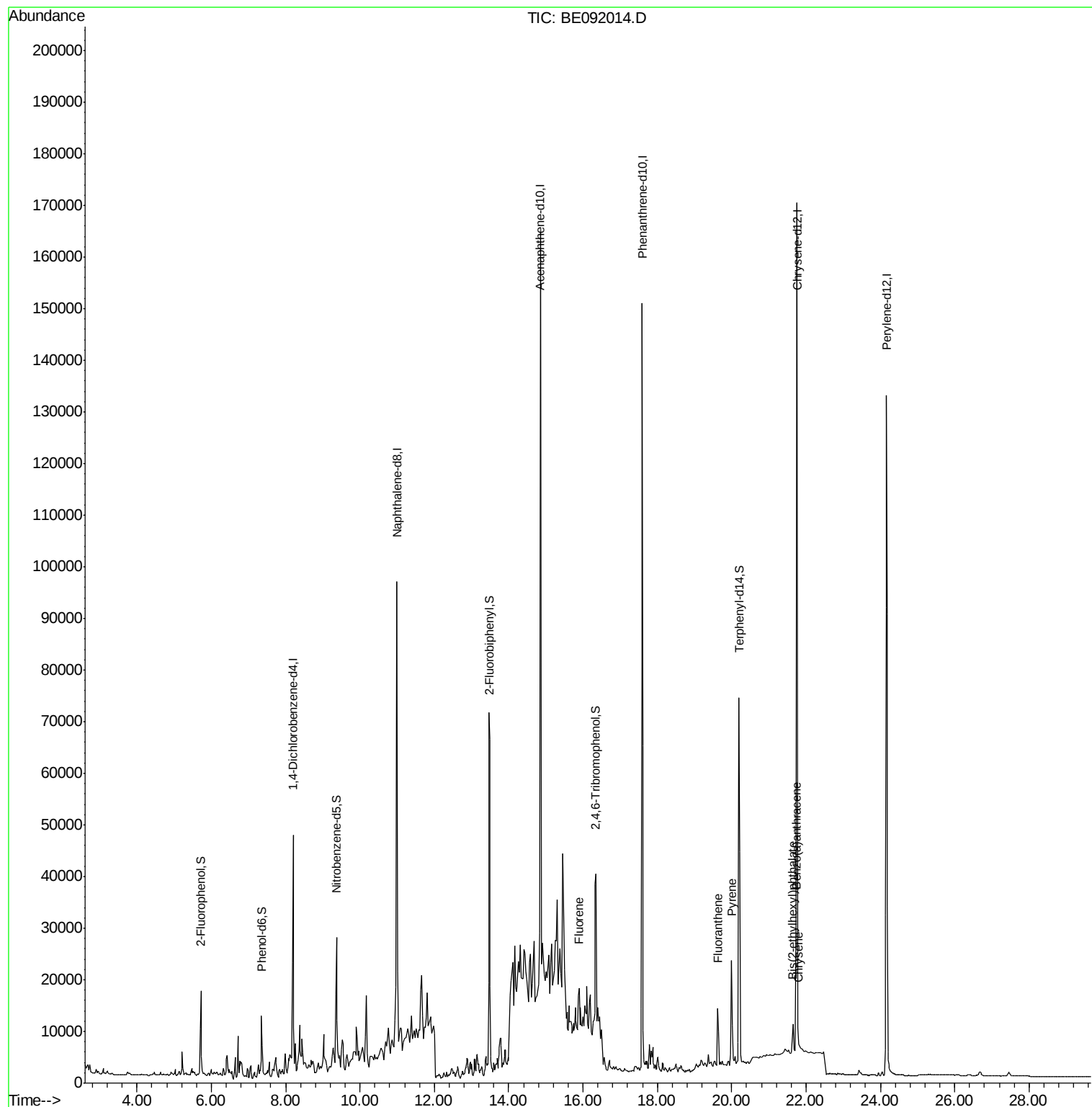
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092014.D
Acq On : 22 Jul 2016 20:07
Operator : UM/SJ
Sample : H4120-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

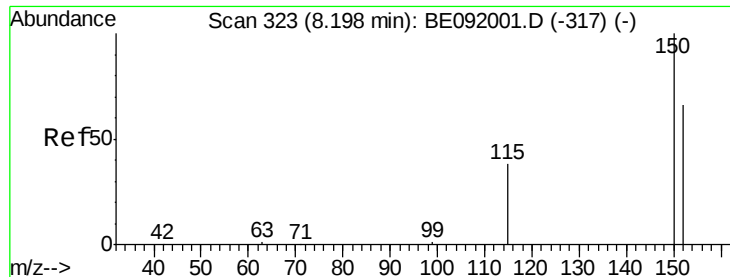
Instrument :
BNA_E
ClientSampleID :
GW-05-5.0-16.0

Manual Integrations

Quant Time: Jul 25 12:15:08 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE092014.D

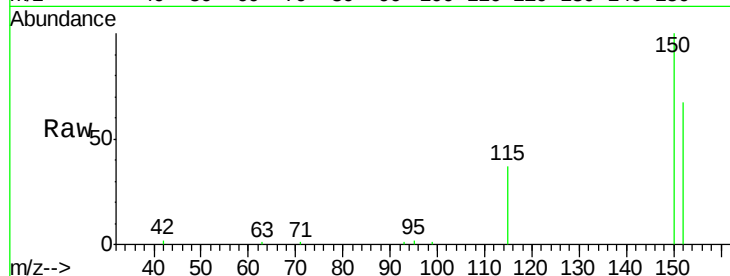
Acq: 22 Jul 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0



Tgt Ion:152 Resp: 25219

Ion Ratio Lower Upper

152 100

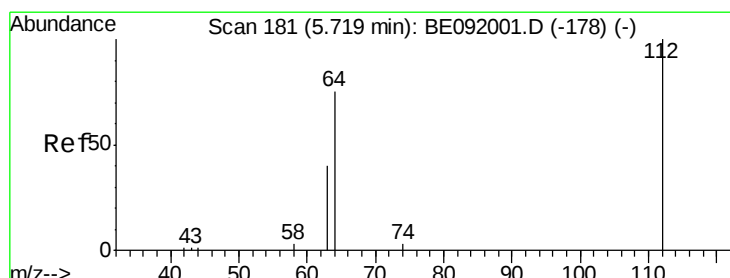
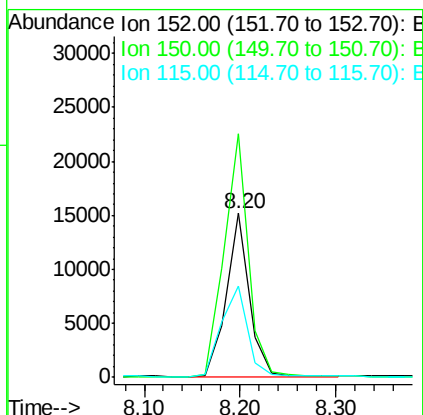
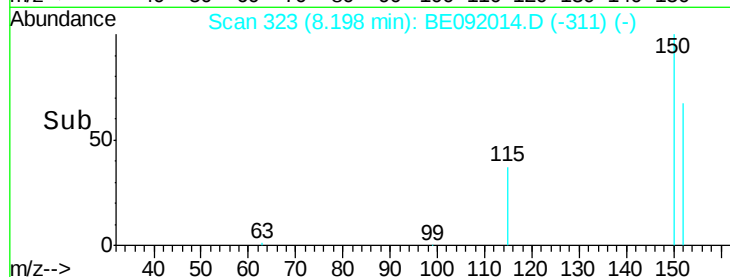
150 148.4 123.9 185.9

115 55.6 48.3 72.5

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#4

2-Fluorophenol

Concen: 3.08 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092014.D

Acq: 22 Jul 2016 20:07

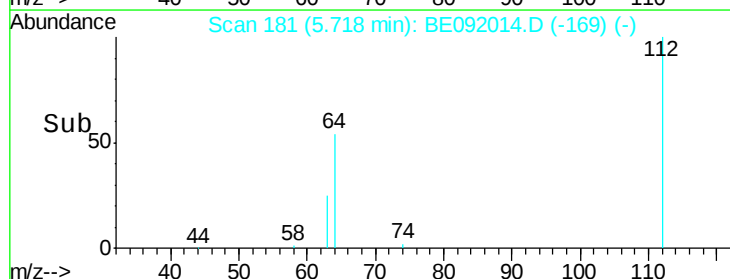
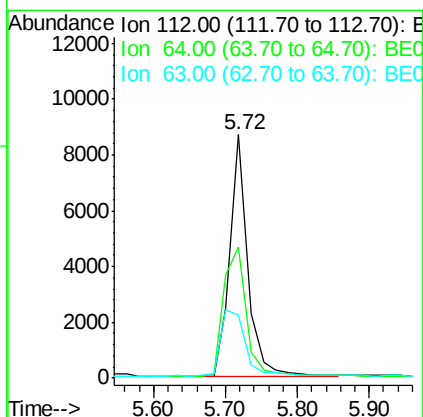
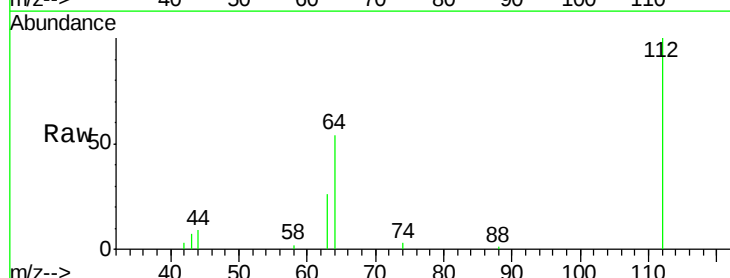
Tgt Ion:112 Resp: 15072

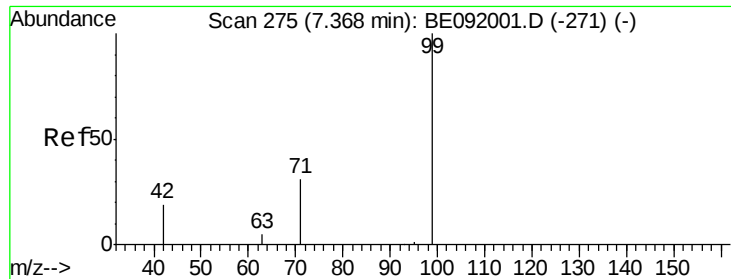
Ion Ratio Lower Upper

112 100

64 68.0 53.7 80.5

63 38.0 29.5 44.3





#5

Phenol-d6

Concen: 1.81 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092014.D

Acq: 22 Jul 2016 20:07

Instrument :

BNA_E

ClientSampleId :

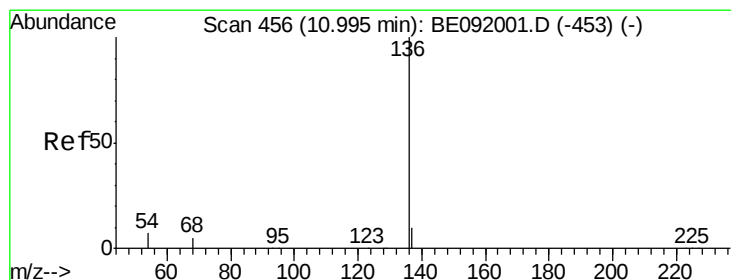
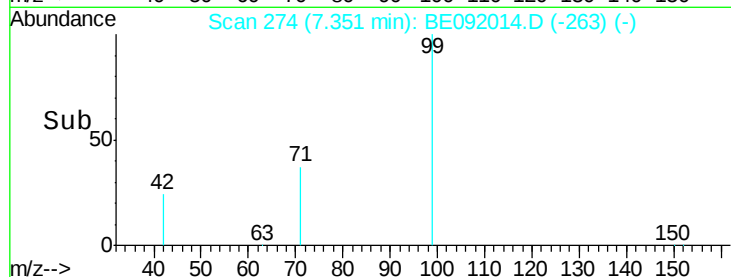
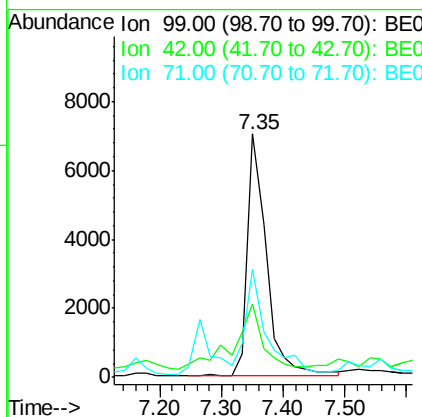
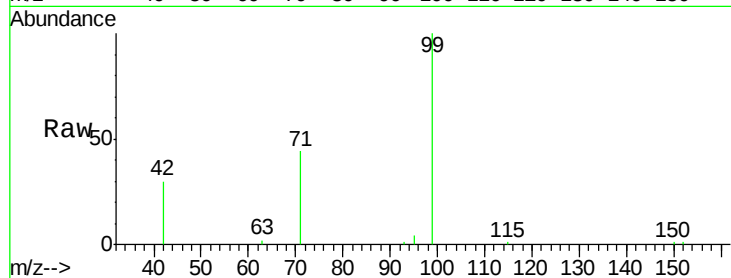
GW-05-5.0-16.0

Tgt Ion:	99	Resp:	14960
Ion Ratio	Lower	Upper	
99	100		
42	42.4	19.6	29.4#
71	47.1	28.1	42.1#

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#8

Naphthalene-d8

Concen: 5.00 ng

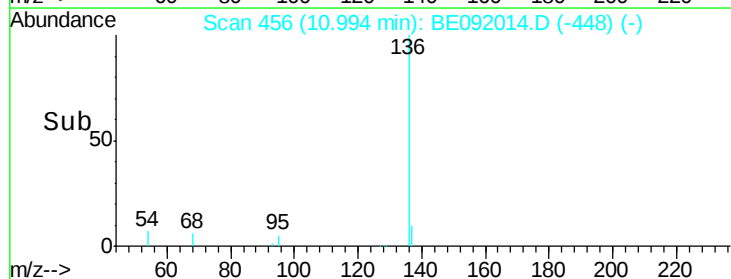
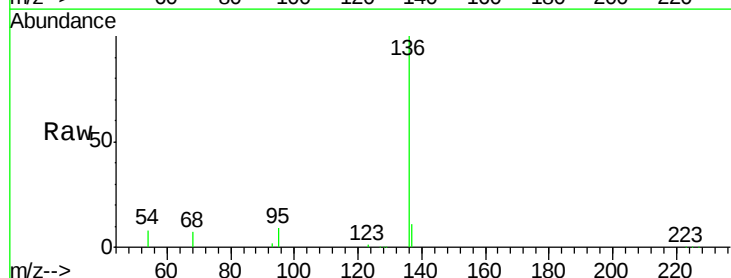
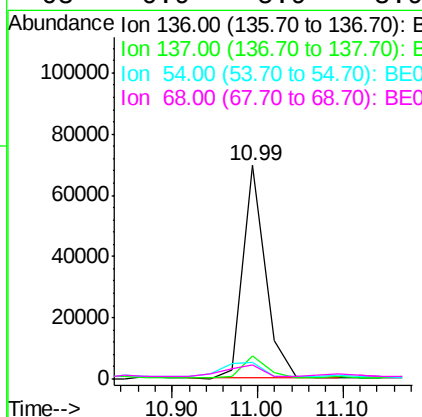
RT: 10.99 min Scan# 456

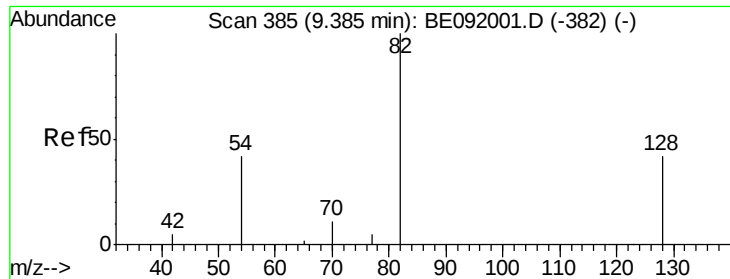
Delta R.T. -0.00 min

Lab File: BE092014.D

Acq: 22 Jul 2016 20:07

Tgt Ion:	136	Resp:	127435
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.3	12.5
54	7.8	8.2	12.4#
68	6.9	5.9	8.9





#9

Nitrobenzene-d5

Concen: 3.25 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092014.D

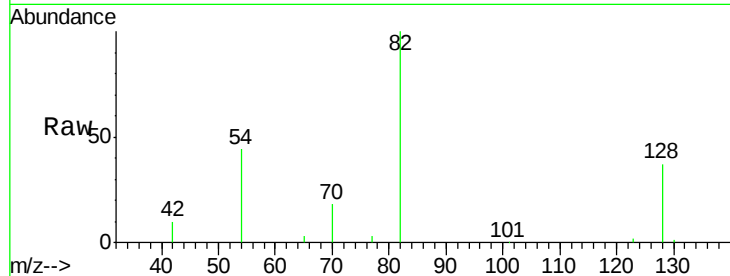
Acq: 22 Jul 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0



Tgt Ion: 82 Resp: 24949

Ion Ratio Lower Upper

82 100

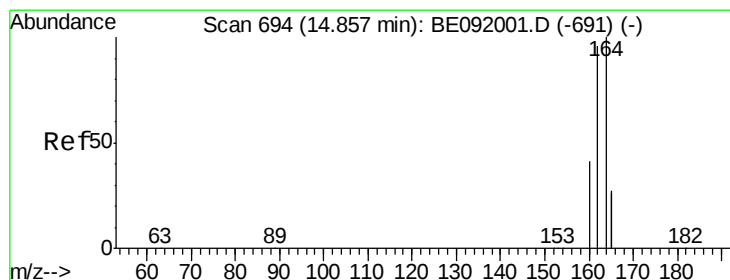
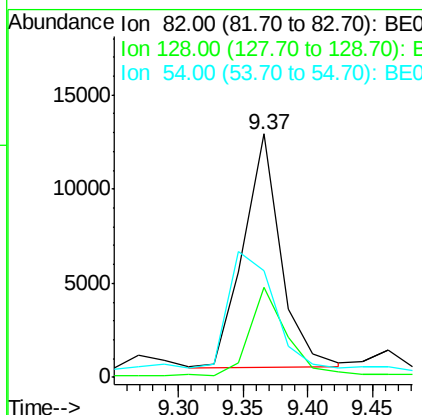
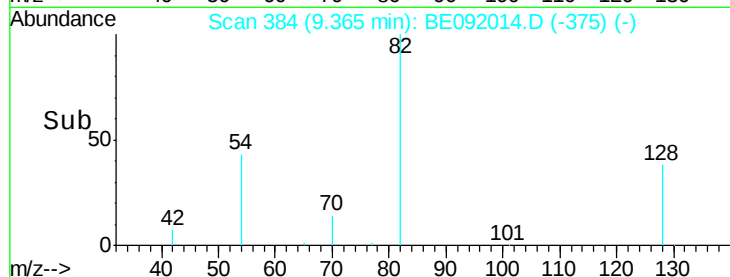
128 37.1 39.5 59.3#

54 43.7 30.3 45.5

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#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092014.D

Acq: 22 Jul 2016 20:07

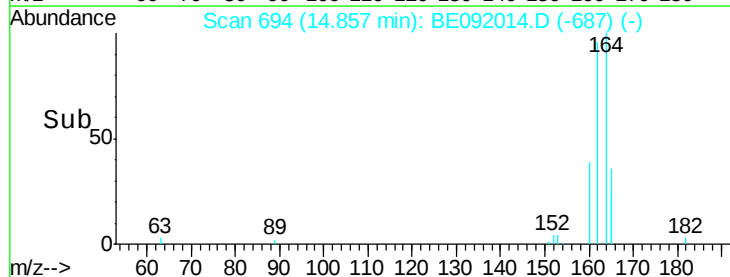
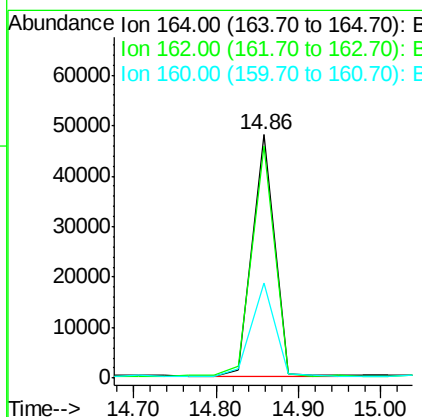
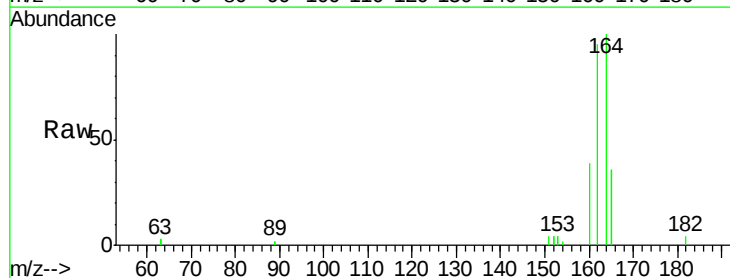
Tgt Ion: 164 Resp: 89708

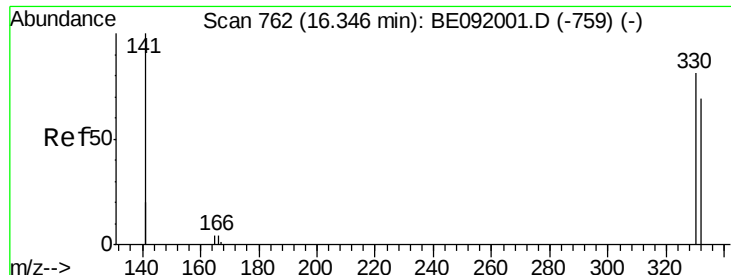
Ion Ratio Lower Upper

164 100

162 95.4 71.8 107.8

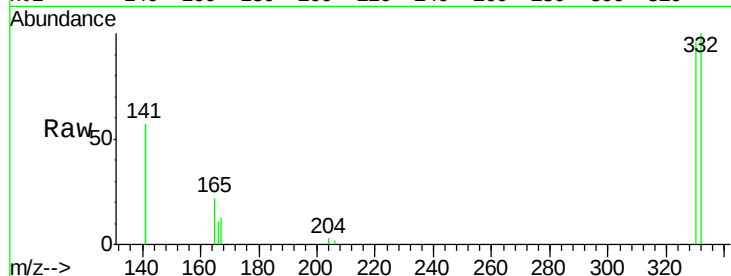
160 39.2 28.0 42.0





#16
 2,4,6-Tribromophenol
 Concen: 5.53 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE092014.D
 Acq: 22 Jul 2016 20:07

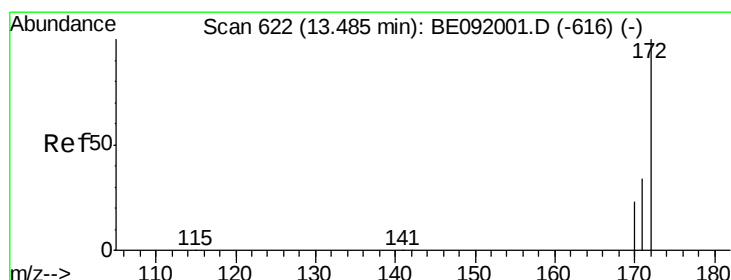
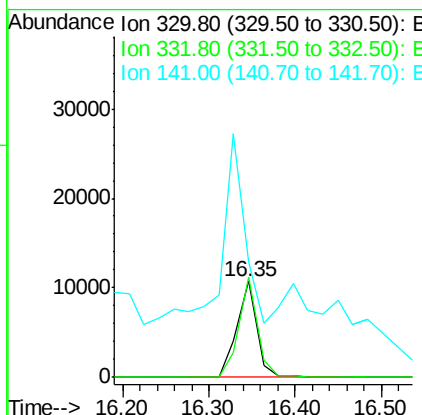
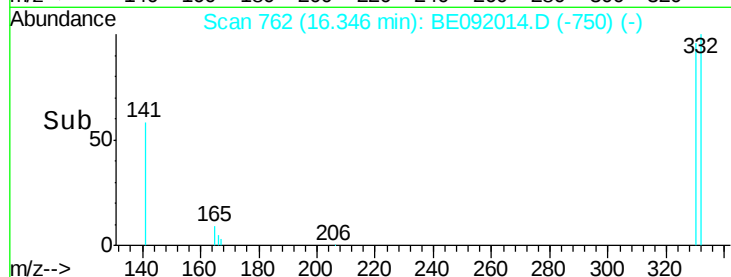
Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0



Tgt Ion: 330 Resp: 17042
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.0 115.6
 141 197.2 138.4 207.6

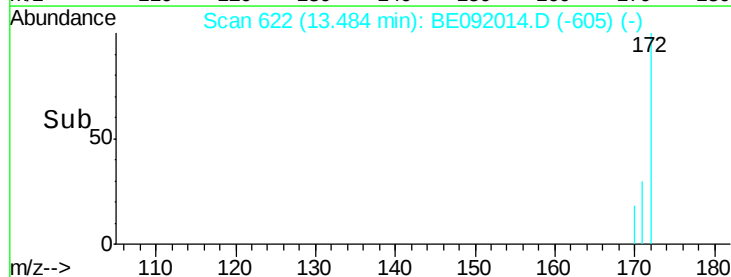
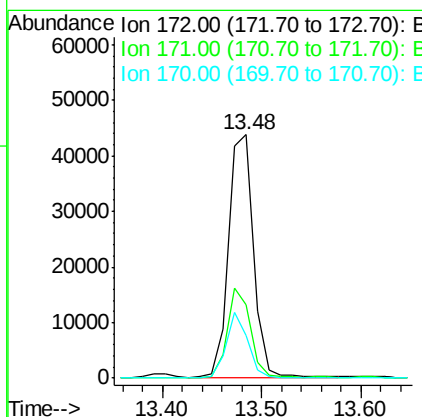
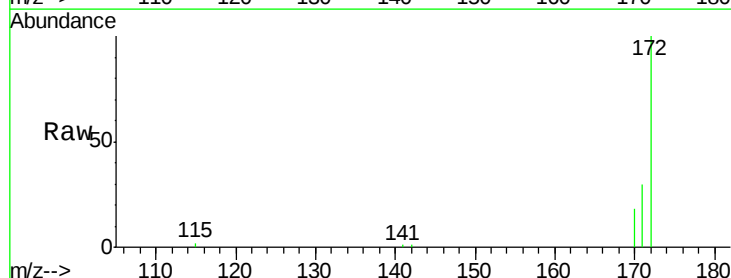
Manual Integrations

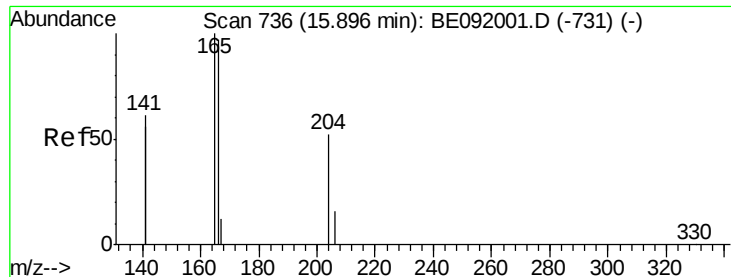
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#17
 2-Fluorobiphenyl
 Concen: 3.22 ng
 RT: 13.48 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BE092014.D
 Acq: 22 Jul 2016 20:07

Tgt Ion: 172 Resp: 75845
 Ion Ratio Lower Upper
 172 100
 171 30.0 24.3 36.5
 170 17.7 14.9 22.3





#22

Fluorene

Concen: 0.16 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092014.D

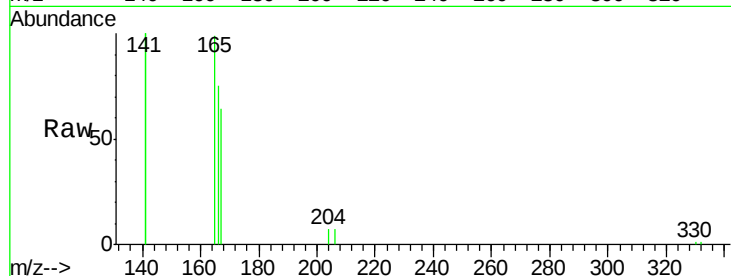
Acq: 22 Jul 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0



Tgt Ion:166 Resp: 4439

Ion Ratio Lower Upper

166 100

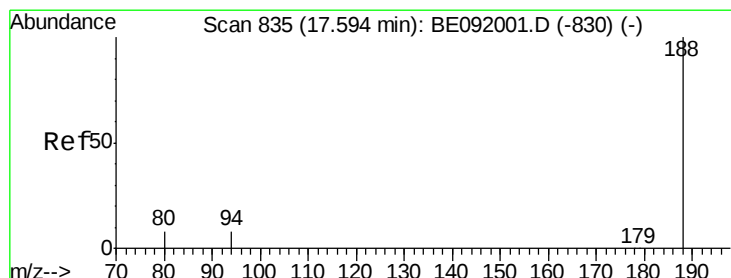
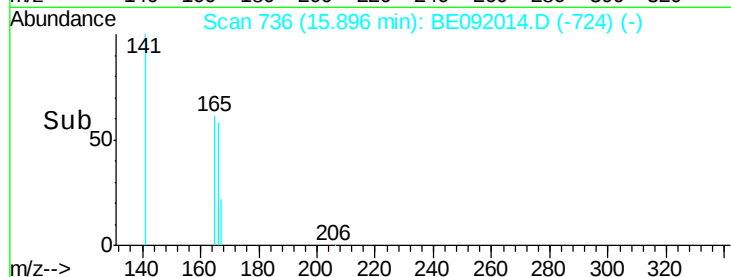
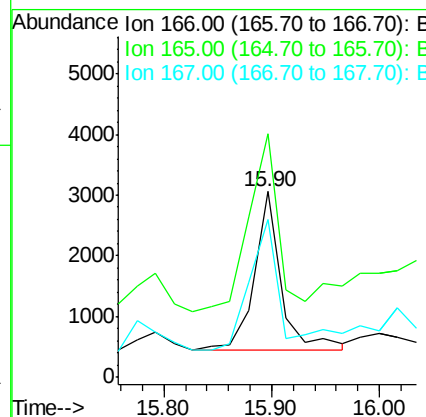
165 124.0 78.6 117.8#

167 90.0 10.8 16.2#

Manual Integrations

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#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.59 min Scan# 835

Delta R.T. 0.00 min

Lab File: BE092014.D

Acq: 22 Jul 2016 20:07

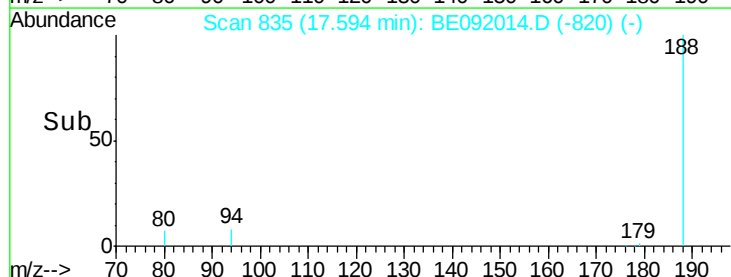
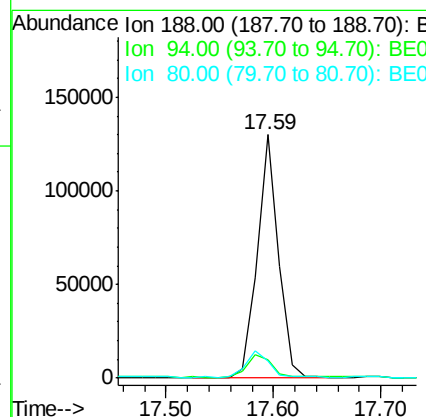
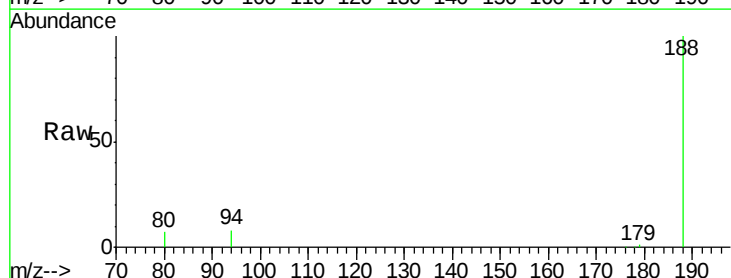
Tgt Ion:188 Resp: 177768

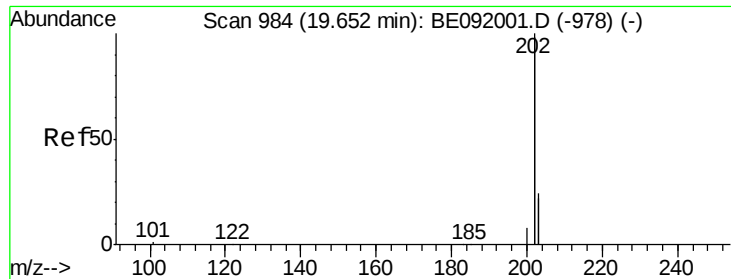
Ion Ratio Lower Upper

188 100

94 7.8 4.1 6.1#

80 7.0 3.4 5.2#





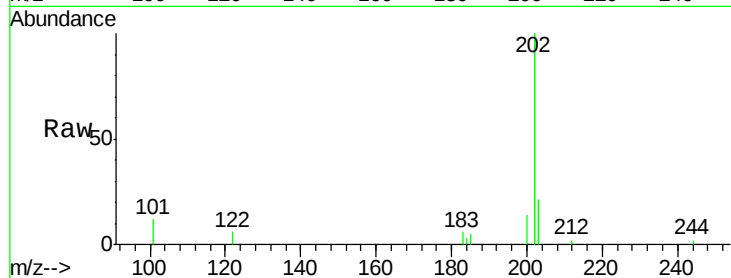
#30
 Fluoranthene
 Concen: 0.11 ng
 RT: 19.63 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: BE092014.D
 Acq: 22 Jul 2016 20:07

Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0

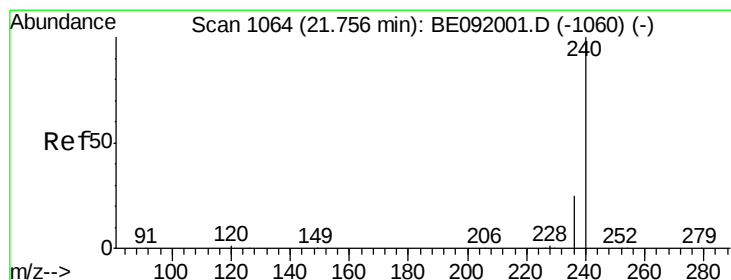
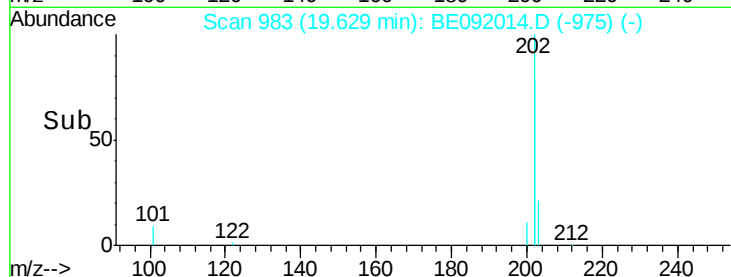
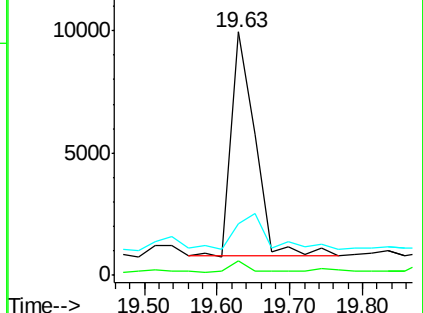
Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.8	9.4	14.0#
203	0.0	14.3	21.5#

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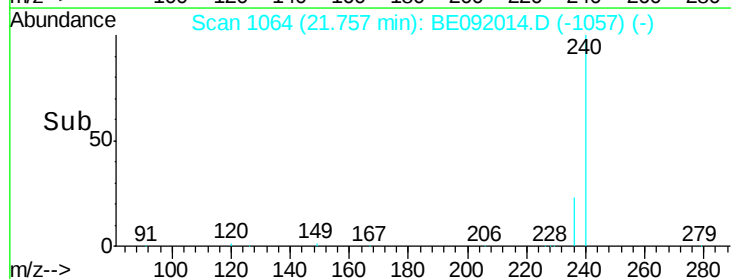
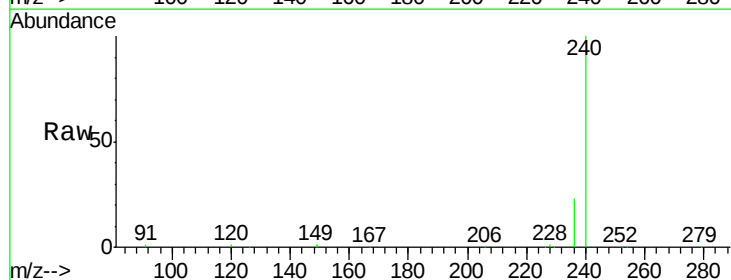
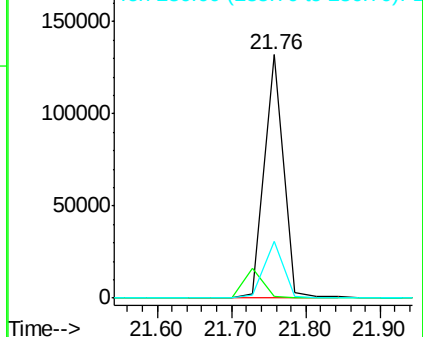
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

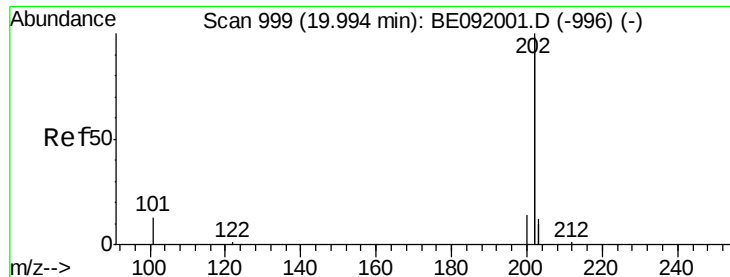


#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: BE092014.D
 Acq: 22 Jul 2016 20:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	0.9	1.2	1.8#
236	23.1	19.8	29.8

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





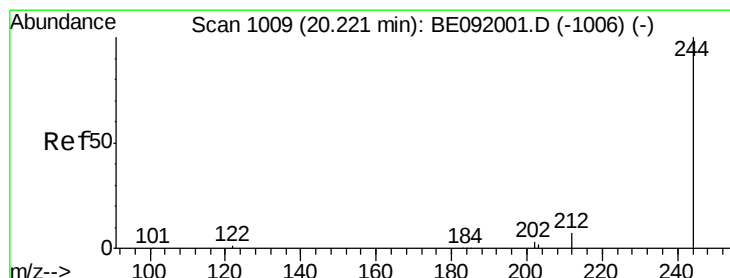
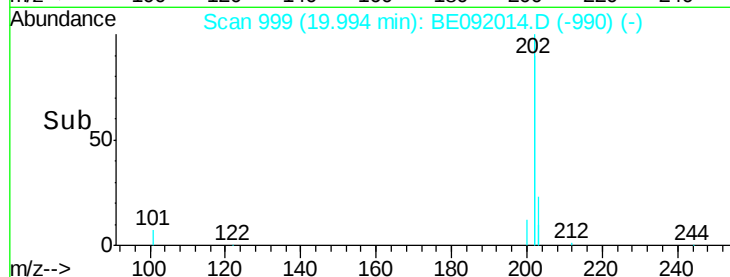
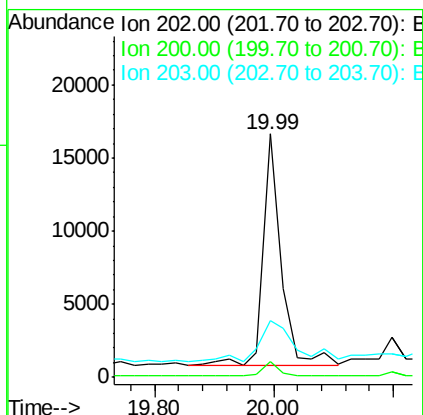
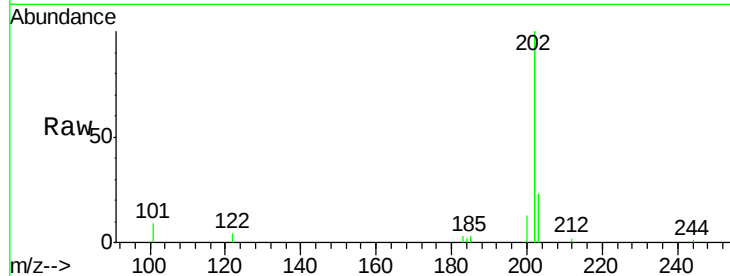
#33
 Pyrene
 Concen: 0.20 ng
 RT: 19.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BE092014.D
 Acq: 22 Jul 2016 20:07

Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	34193		
200	5.4	16.9	25.3#	
203	34.5	14.1	21.1#	

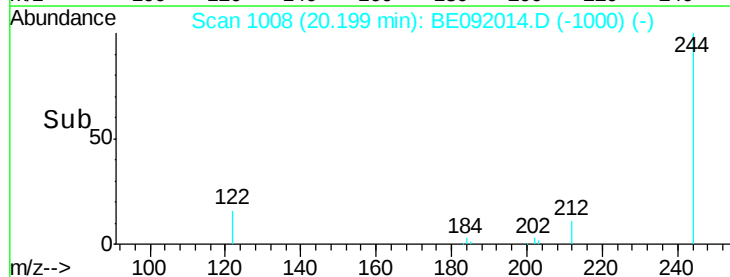
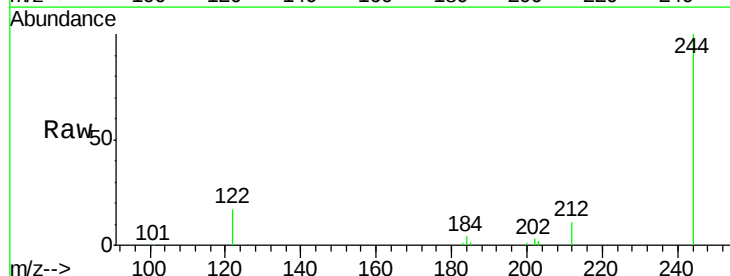
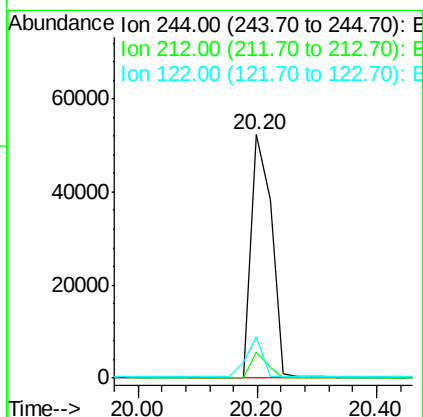
Manual Integrations

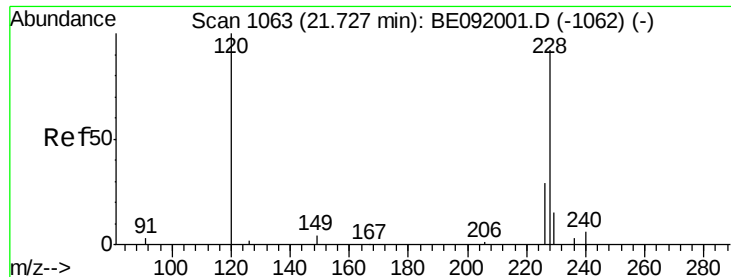
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#34
 Terphenyl-d14
 Concen: 5.27 ng
 RT: 20.20 min Scan# 1008
 Delta R.T. -0.02 min
 Lab File: BE092014.D
 Acq: 22 Jul 2016 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	126114		
212	10.8	6.5	9.7#	
122	17.0	2.9	4.3#	





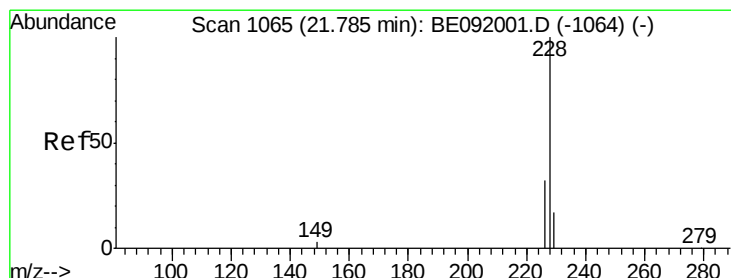
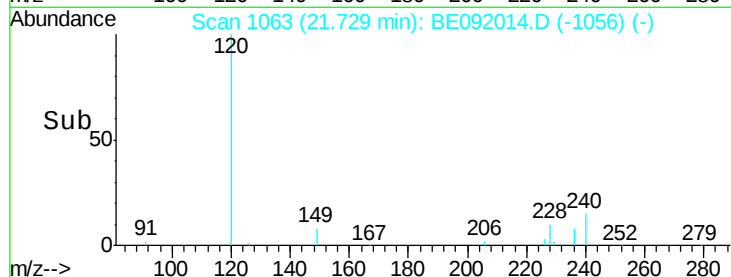
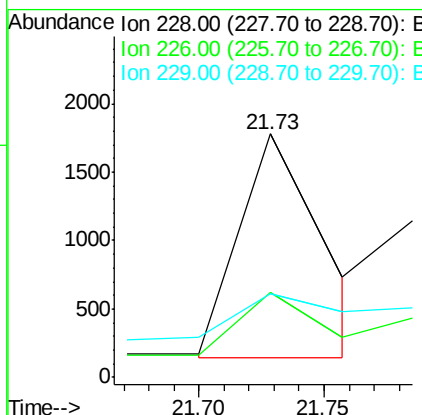
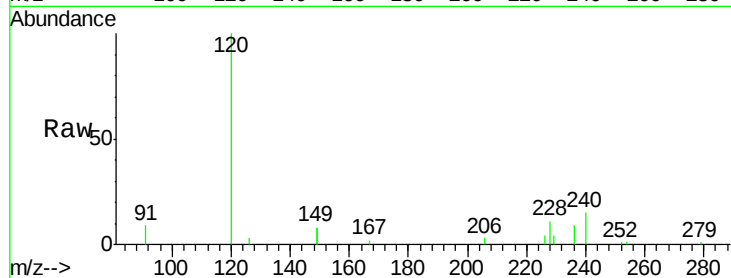
#35
Benzo(a)anthracene
Concen: 0.07 ng m
RT: 21.73 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BE092014.D
Acq: 22 Jul 2016 20:07

Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0

Tgt Ion:228 Resp: 3805
Ion Ratio Lower Upper
228 100
226 34.8 21.0 31.4#
229 34.5 15.8 23.8#

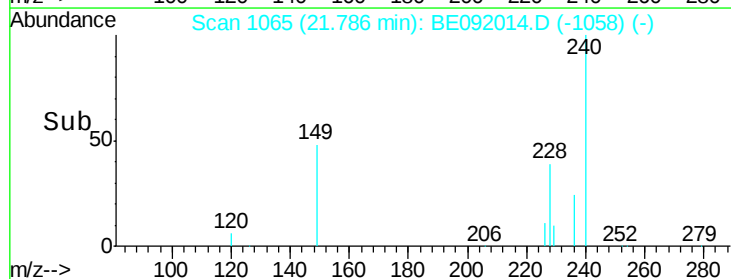
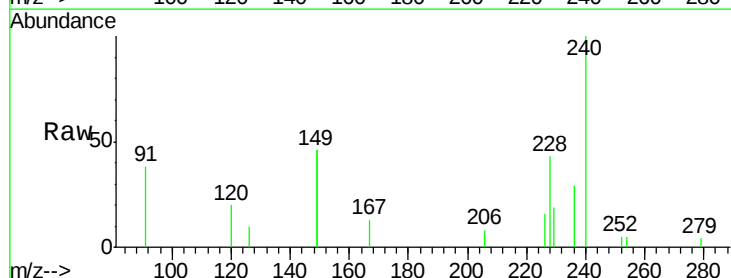
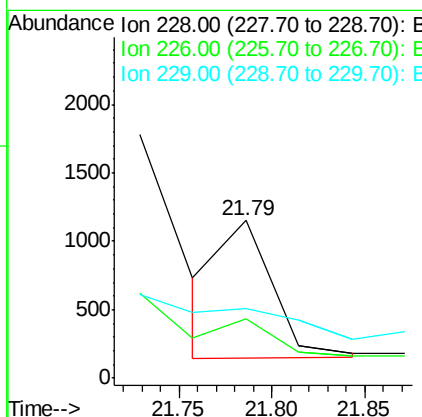
Manual Integrations

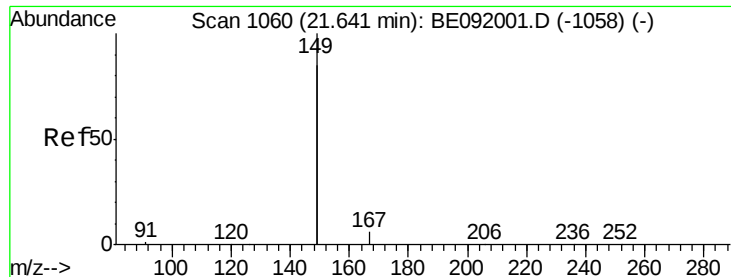
sohil
7/25/2016 6:46:11 PM



#37
Chrysene
Concen: 0.03 ng m
RT: 21.79 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE092014.D
Acq: 22 Jul 2016 20:07

Tgt Ion:228 Resp: 1930
Ion Ratio Lower Upper
228 100
226 37.7 27.0 40.6
229 44.5 13.8 20.8#





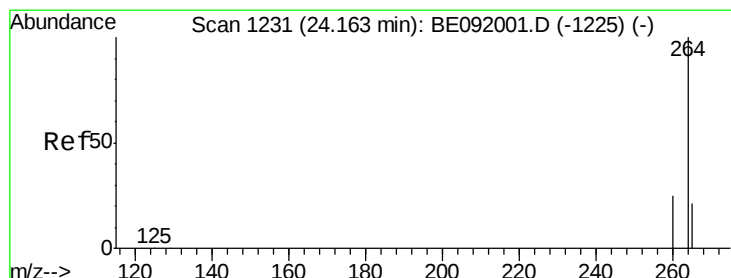
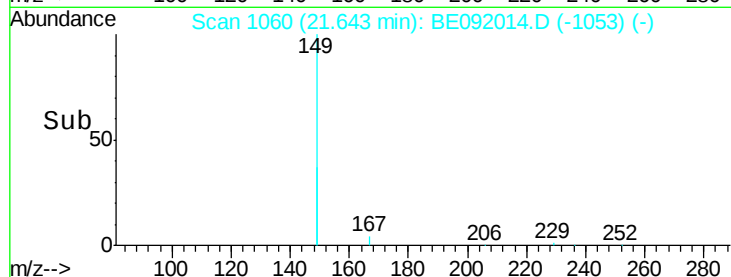
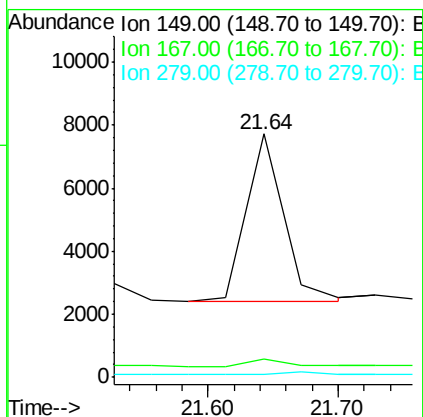
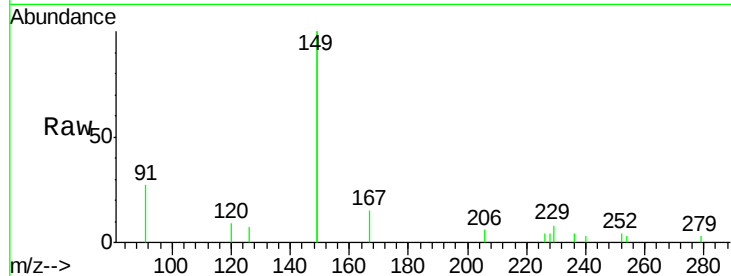
#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.29 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092014.D
 Acq: 22 Jul 2016 20:07

Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0

Tgt Ion: 149 Resp: 10344
 Ion Ratio Lower Upper
 149 100
 167 4.6 0.0 0.0#
 279 0.0 0.0 0.0

Manual Integrations

sohil
 7/25/2016 6:46:11 PM



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: BE092014.D
 Acq: 22 Jul 2016 20:07

Tgt Ion: 264 Resp: 189926
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.3 30.5
 265 21.7 17.6 26.4

