

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
 Data File : BE092125.D
 Acq On : 2 Aug 2016 23:56
 Operator : UM/SJ
 Sample : H4152-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-16-7.0-15.0

Manual Integrations
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Quant Time: Aug 03 11:43:18 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	11143	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	49867	5.00	ng	0.00
10) Acenaphthene-d10	14.85	164	27468	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	62127	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	78929	5.00	ng	0.00
28) Perylene-d12	24.14	264	82665	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	13731	4.80	ng	0.00
5) Phenol-d6	7.34	99	11793	3.09	ng	-0.01
7) Nitrobenzene-d5	9.34	82	15191	3.86	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8960	10.05	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	34488	3.96	ng	0.00
24) Terphenyl-d14	20.19	244	53057	4.68	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	11.03	128	6893	0.63	ng	97
9) 2-Methylnaphthalene	12.65	142	2822	0.41	ng	95
14) Acenaphthene	14.90	154	6352	0.82	ng	# 97
15) Fluorene	15.88	166	4944	0.50	ng	100
19) Phenanthrene	17.61	178	22810	1.32	ng	100
20) Anthracene	17.70	178	5358m	0.32	ng	
21) Fluoranthene	19.63	202	15533	0.20	ng	99
23) Pyrene	19.99	202	14069	0.17	ng	# 86
25) Benzo(a)anthracene	21.72	228	2624m	0.03	ng	

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

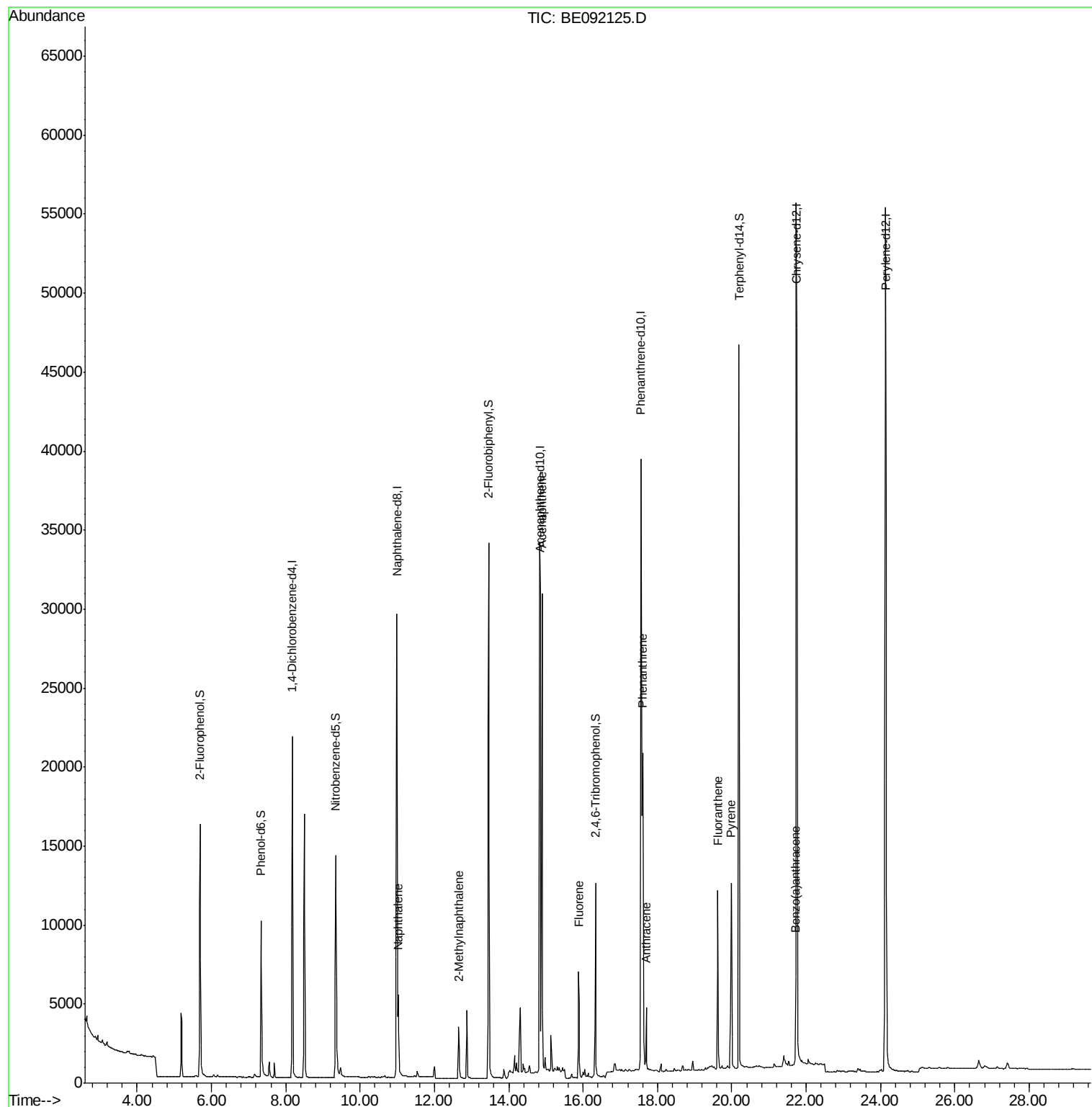
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
Data File : BE092125.D
Acq On : 2 Aug 2016 23:56
Operator : UM/SJ
Sample : H4152-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

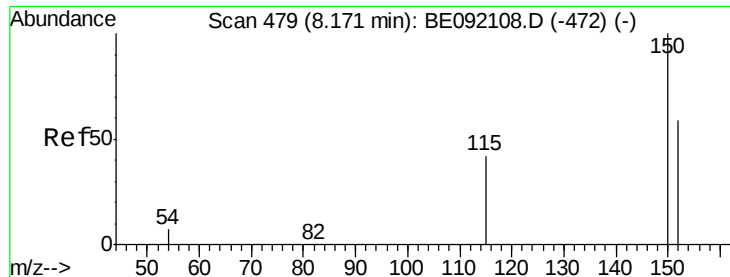
Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

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Quant Time: Aug 03 11:43:18 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: BE092125.D

Acq: 2 Aug 2016 23:56

Instrument :

BNA_E

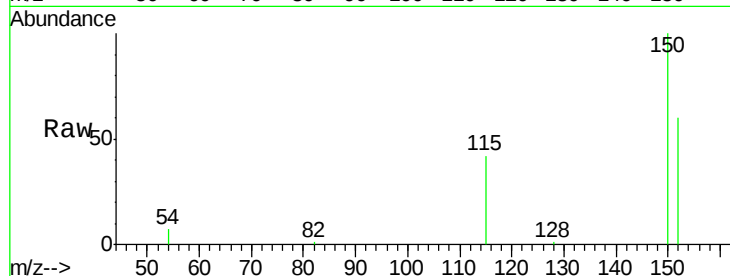
ClientSampled :

GW-16-7.0-15.0

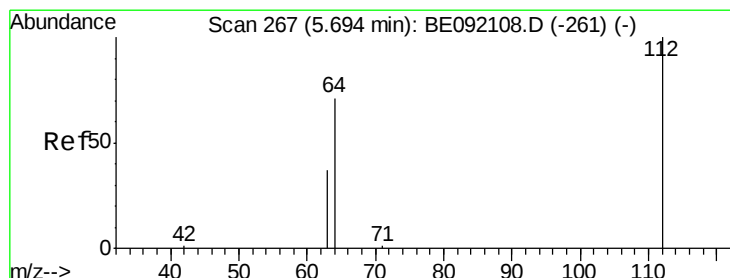
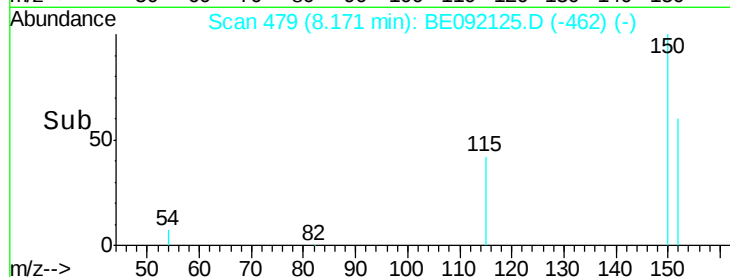
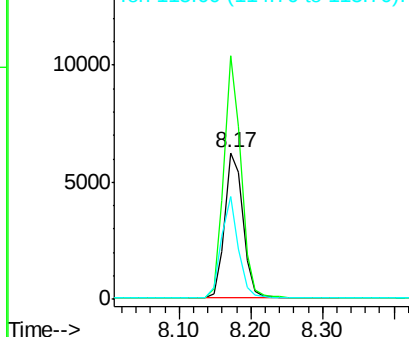
Tot Ion	Ratio	Lower	Upper
152	100		
150	166.3	106.0	159.0#
115	70.0	36.9	55.3#

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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



#4

2-Fluorophenol

Concen: 4.80 ng

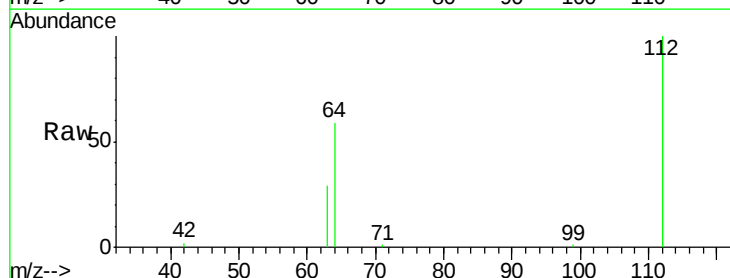
RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

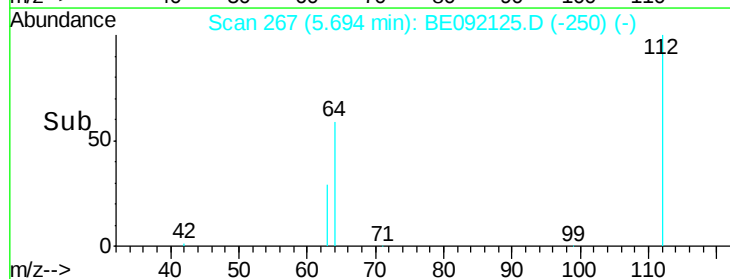
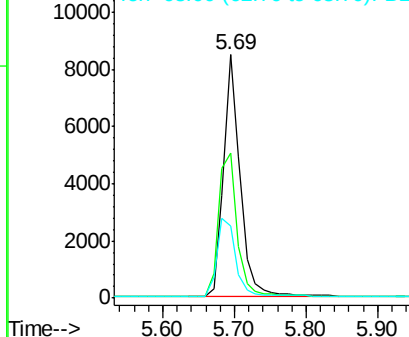
Lab File: BE092125.D

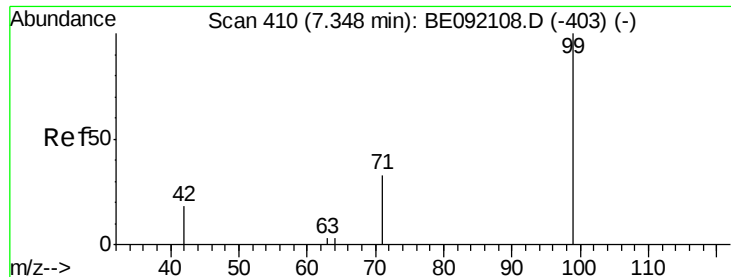
Acq: 2 Aug 2016 23:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	55.9	83.9
63	36.0	31.1	46.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.09 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092125.D

Acq: 2 Aug 2016 23:56

Instrument :

BNA_E

ClientSampleId :

GW-16-7.0-15.0

Tot Ion: 99 Resp: 11793

Ion Ratio Lower Upper

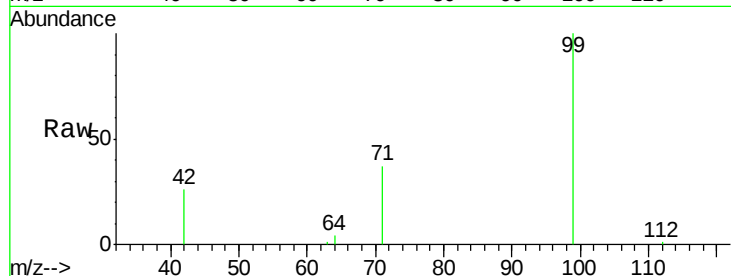
99 100

42 24.2 22.4 33.6

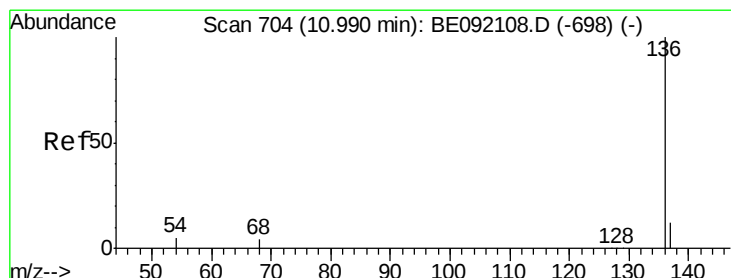
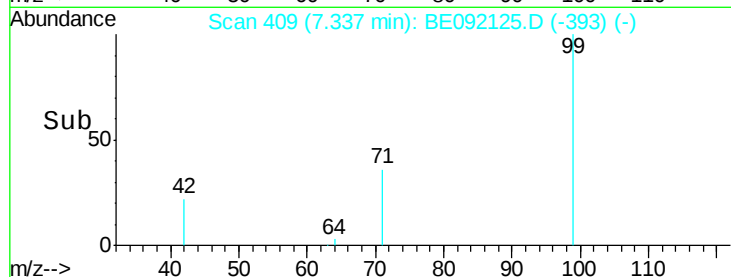
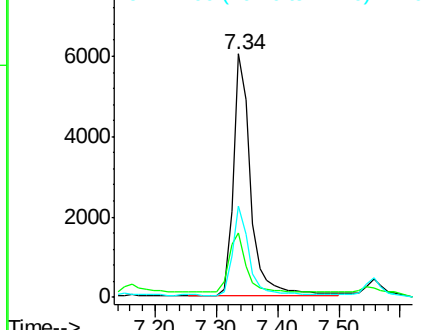
71 35.2 28.9 43.3

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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: BE092125.D

Acq: 2 Aug 2016 23:56

Tgt Ion: 136 Resp: 49867

Ion Ratio Lower Upper

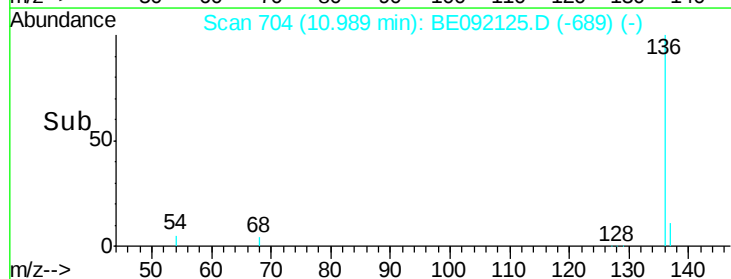
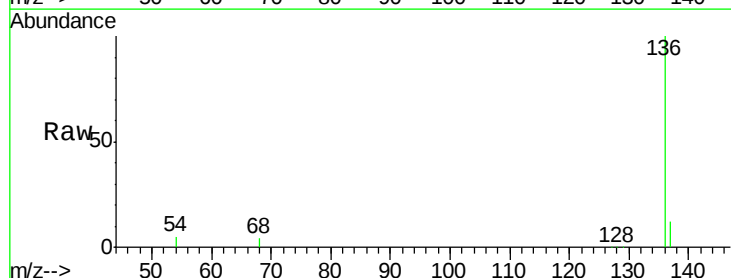
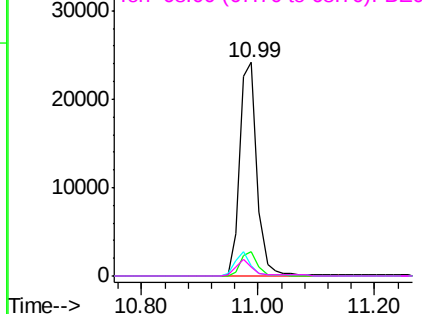
136 100

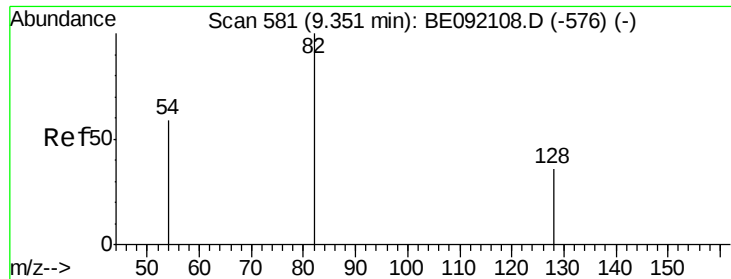
137 11.7 9.1 13.7

54 5.0 2.7 4.1#

68 3.9 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: 3.86 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092125.D

Acq: 2 Aug 2016 23:56

Instrument :

BNA_E

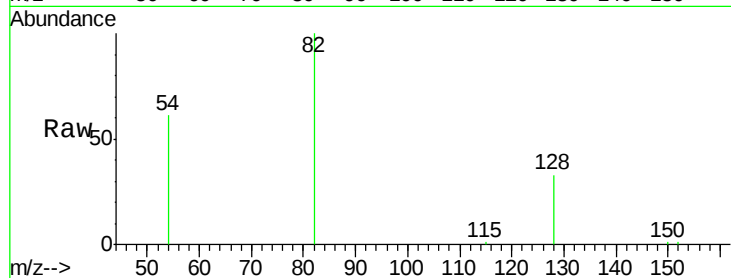
ClientSampleId :

GW-16-7.0-15.0

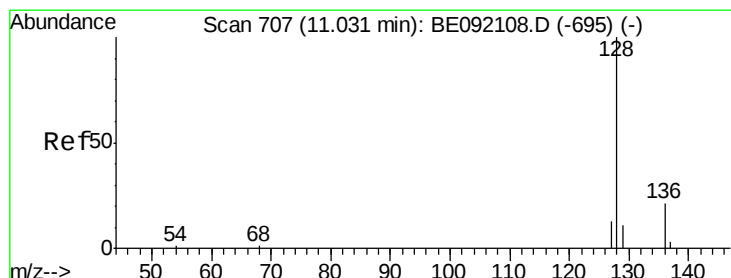
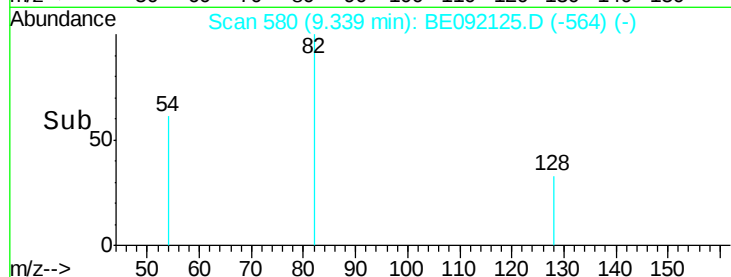
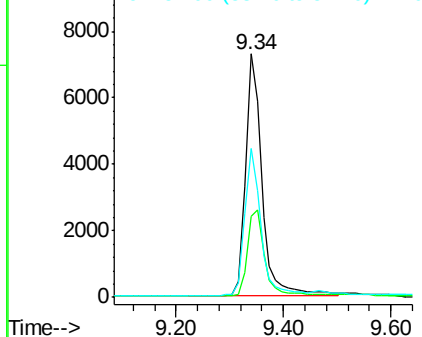
Tot Ion:	82	Resp:	15191
Ion Ratio	Lower	Upper	
82	100		
128	33.2	33.0	49.4
54	61.2	42.6	63.8

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#8

Naphthalene

Concen: 0.63 ng

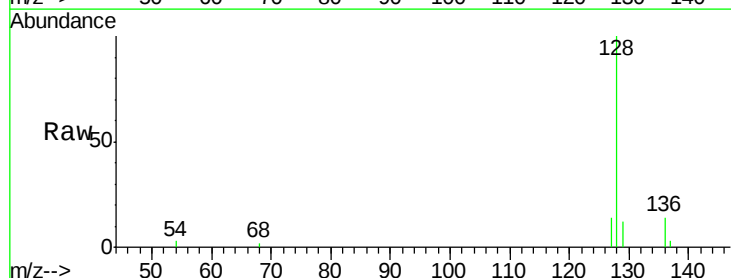
RT: 11.03 min Scan# 707

Delta R.T. -0.00 min

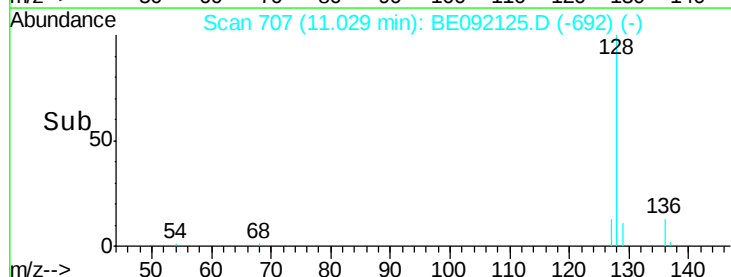
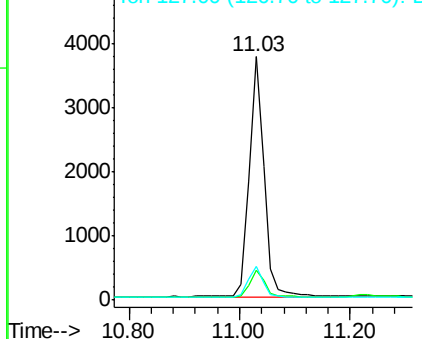
Lab File: BE092125.D

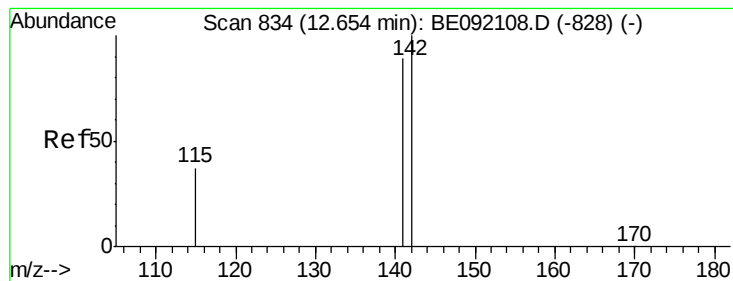
Acq: 2 Aug 2016 23:56

Tgt Ion:	128	Resp:	6893
Ion Ratio	Lower	Upper	
128	100		
129	12.0	11.1	16.7
127	13.8	11.3	16.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#9

2-Methylnaphthalene

Concen: 0.41 ng

RT: 12.65 min Scan# 834

Delta R.T. -0.00 min

Lab File: BE092125.D

Acq: 2 Aug 2016 23:56

Instrument :

BNA_E

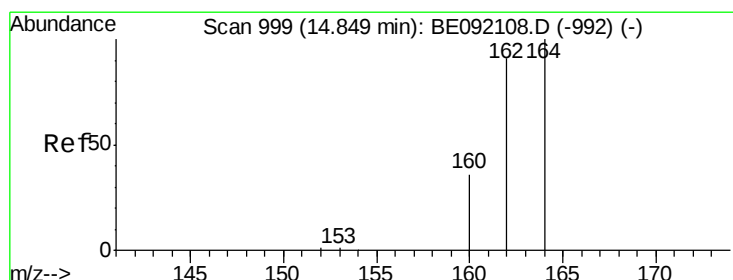
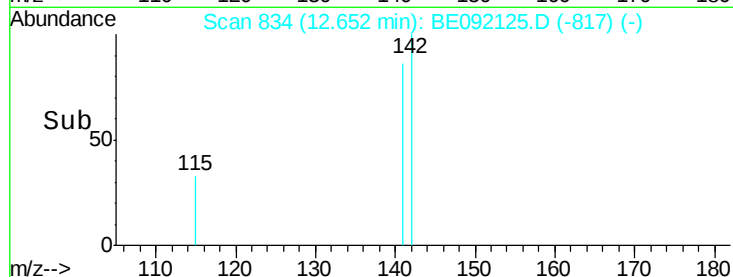
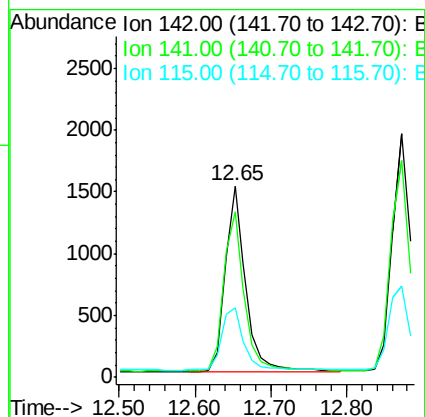
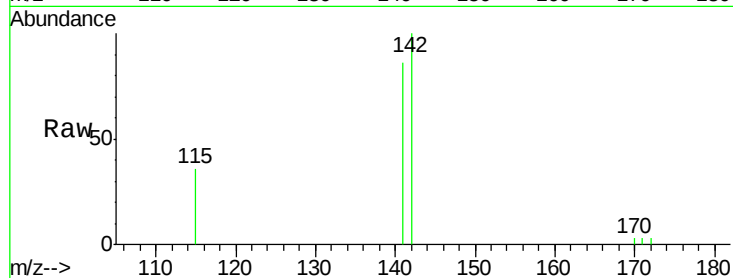
ClientSampleId :

GW-16-7.0-15.0

Tot Ion:	142	Resp:	2822
Ion Ratio	Lower	Upper	
142	100		
141	86.2	65.1	97.7
115	36.4	27.0	40.4

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#10

Acenaphthene-d10

Concen: 5.00 ng

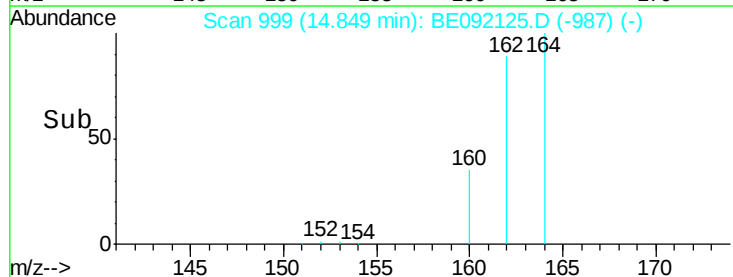
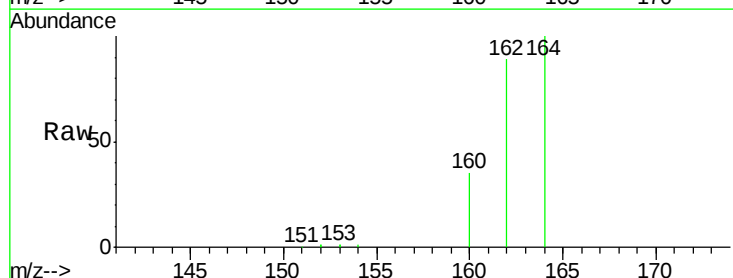
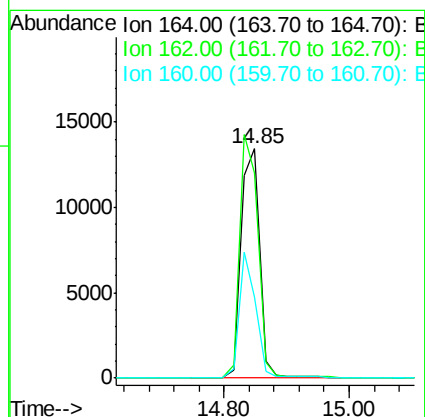
RT: 14.85 min Scan# 999

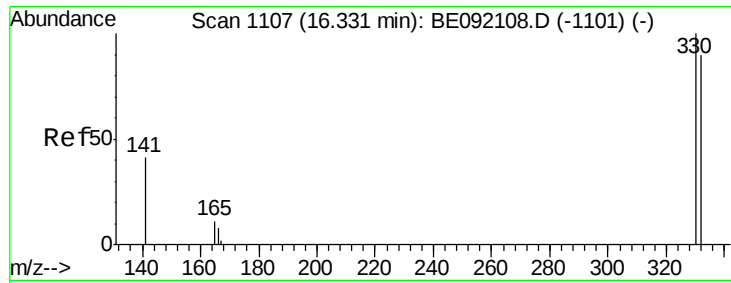
Delta R.T. -0.00 min

Lab File: BE092125.D

Acq: 2 Aug 2016 23:56

Tgt Ion:	164	Resp:	27468
Ion Ratio	Lower	Upper	
164	100		
162	89.2	69.5	104.3
160	35.3	27.6	41.4





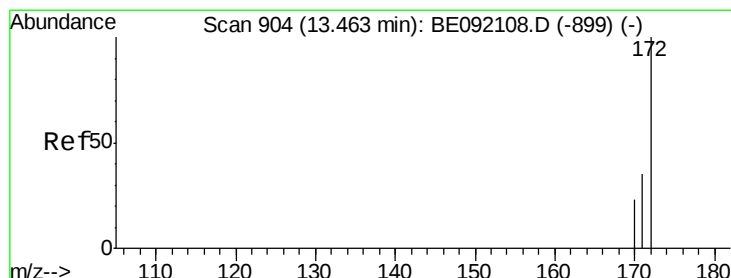
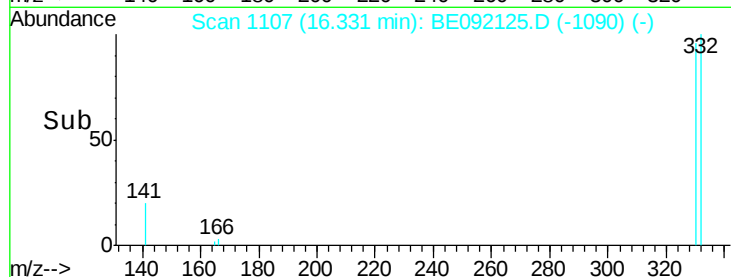
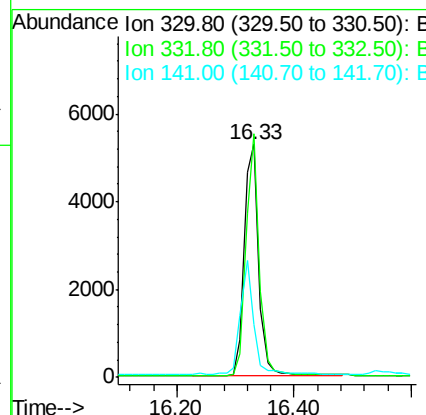
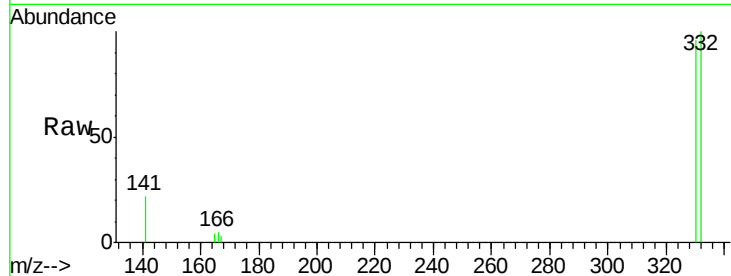
#11
 2,4,6-Tribromophenol
 Concen: 10.05 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092125.D
 Acq: 2 Aug 2016 23:56

Instrument :
 BNA_E
 ClientSampleId :
 GW-16-7.0-15.0

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	74.2	111.4	
141	45.4	139.8	209.8	

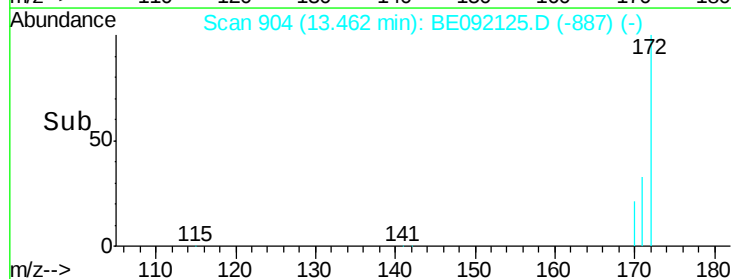
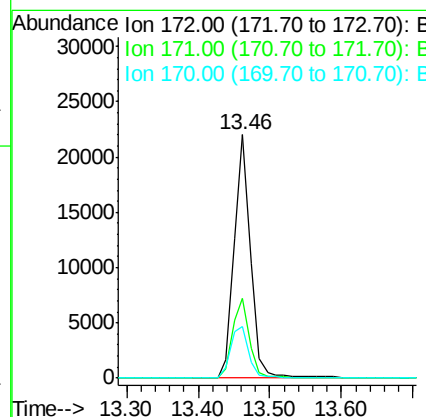
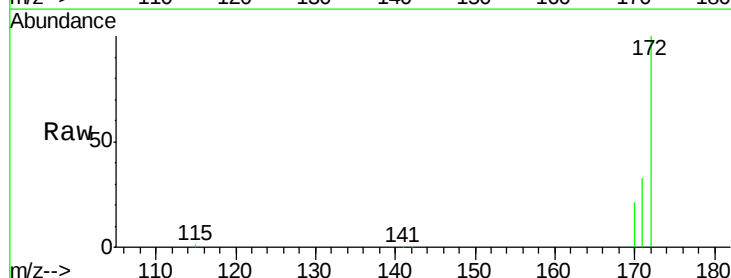
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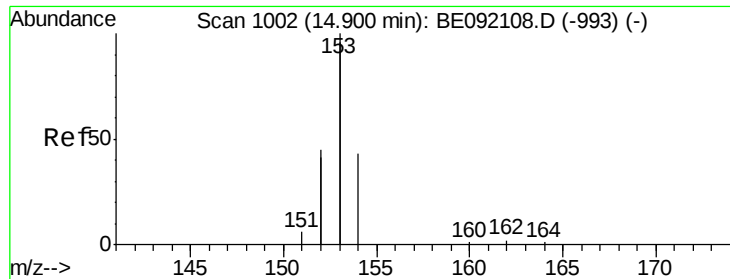
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#12
 2-Fluorobiphenyl
 Concen: 3.96 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092125.D
 Acq: 2 Aug 2016 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	32.8	30.3	45.5	
170	21.2	21.6	32.4	





#14

Acenaphthene

Concen: 0.82 ng

RT: 14.90 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE092125.D

Acq: 2 Aug 2016 23:56

Instrument :

BNA_E

ClientSampleId :

GW-16-7.0-15.0

Tot Ion:154 Resp: 6352

Ion Ratio Lower Upper

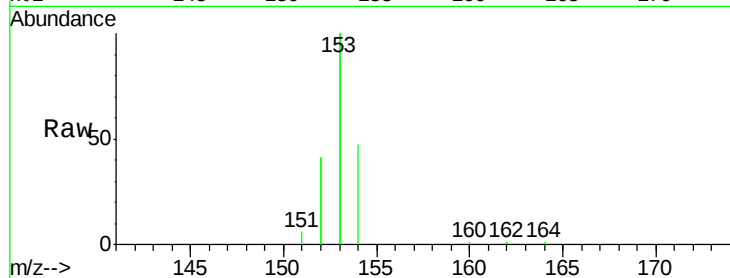
154 100

153 439.6 345.1 517.7

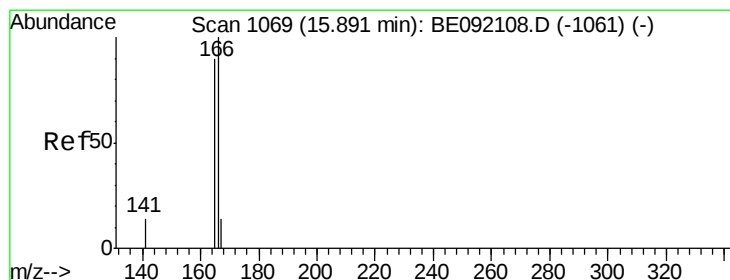
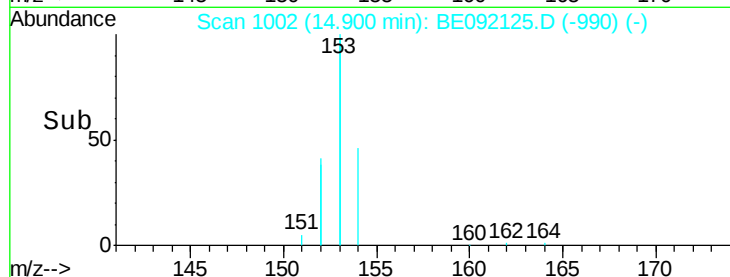
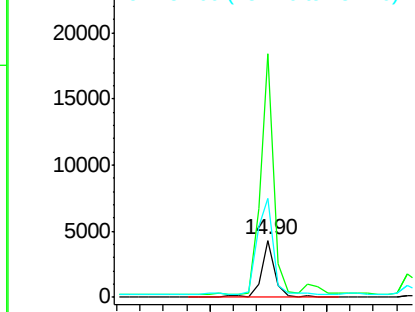
152 218.3 0.0 0.0#

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#15

Fluorene

Concen: 0.50 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092125.D

Acq: 2 Aug 2016 23:56

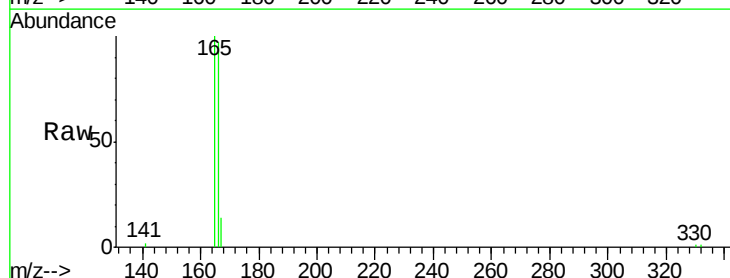
Tgt Ion:166 Resp: 4944

Ion Ratio Lower Upper

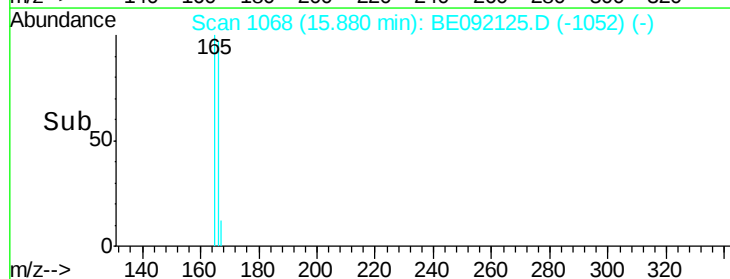
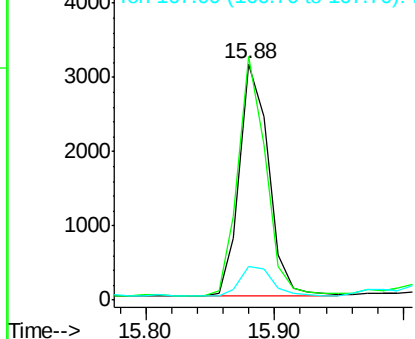
166 100

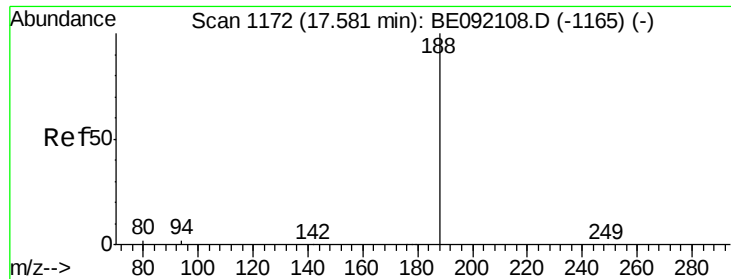
165 98.1 78.6 118.0

167 14.8 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





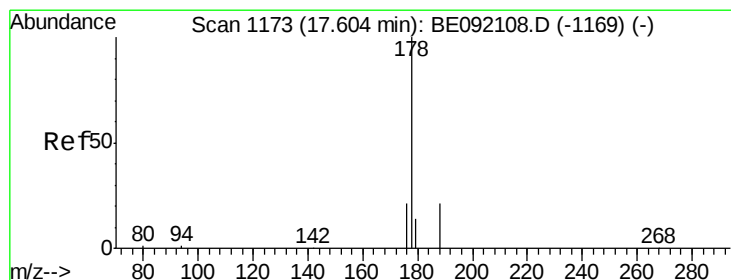
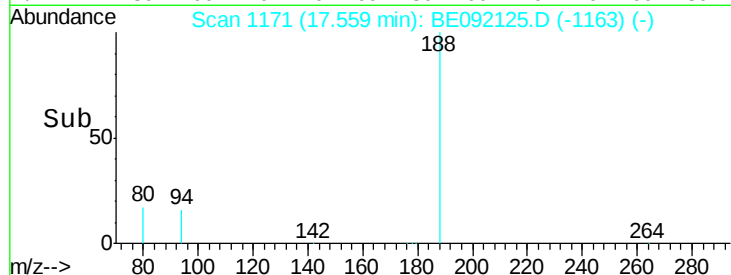
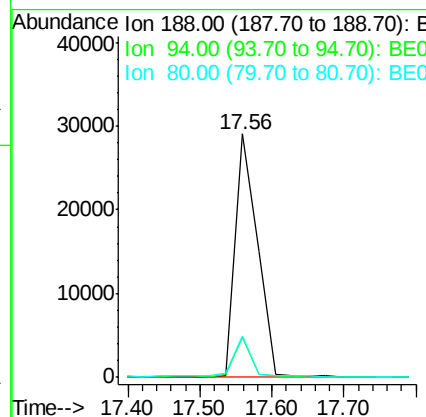
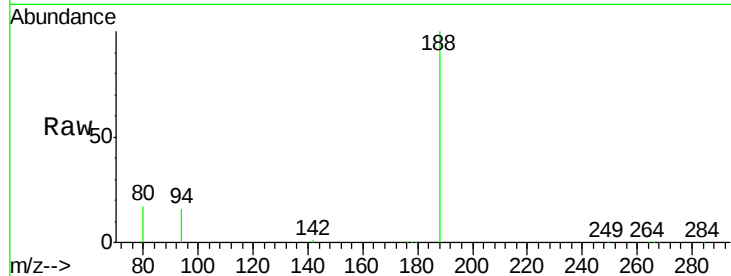
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tot Ion	Ratio	Resp	Lower	Upper
188	100	62127		
94	16.4		3.9	5.9#
80	17.1		3.4	5.0#

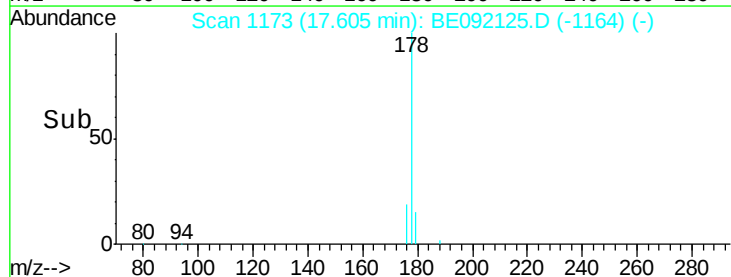
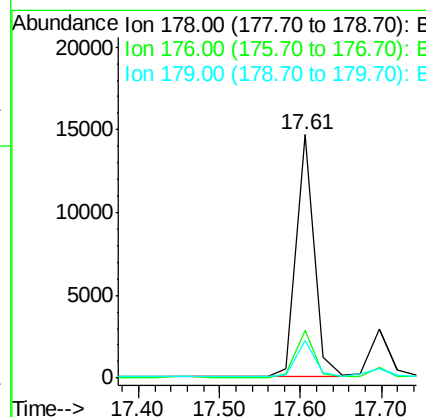
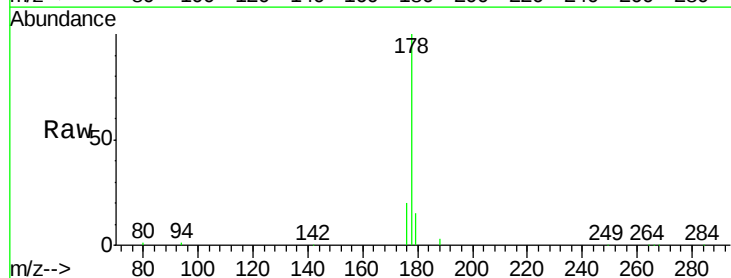
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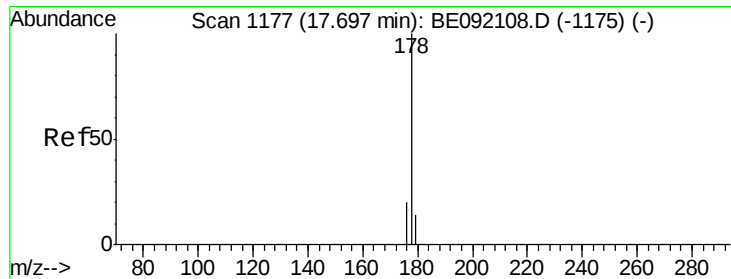
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#19
Phenanthrene
Concen: 1.32 ng
RT: 17.61 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	22810		
176	19.2		15.4	23.0
179	15.6		12.7	19.1





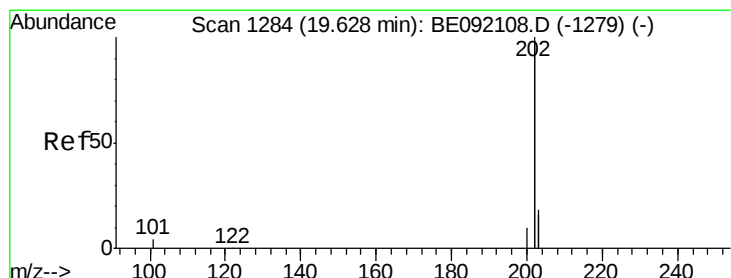
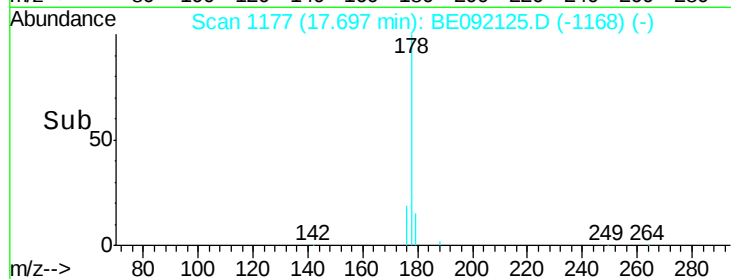
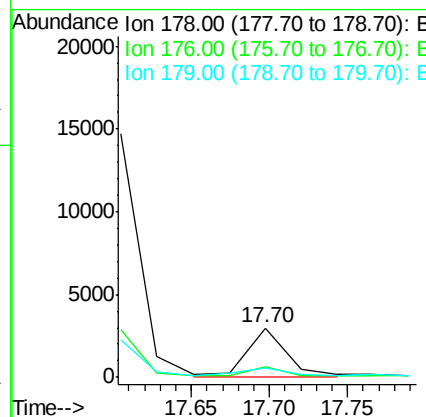
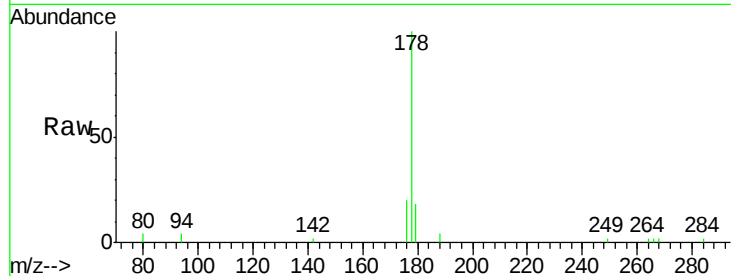
#20
 Anthracene
 Concen: 0.32 ng m
 RT: 17.70 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BE092125.D
 Acq: 2 Aug 2016 23:56

Instrument :
 BNA_E
 ClientSampleId :
 GW-16-7.0-15.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	81.5	15.2	22.8#
179	66.5	12.2	18.4#

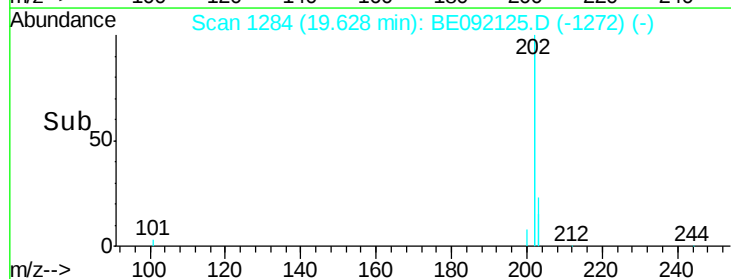
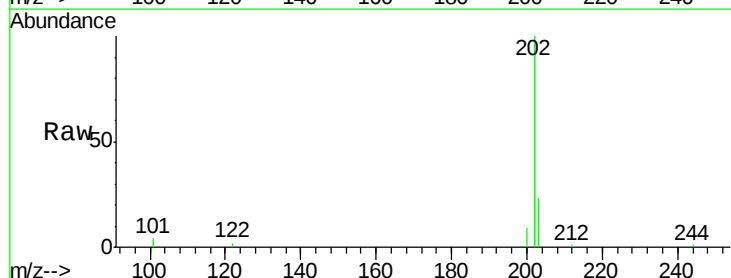
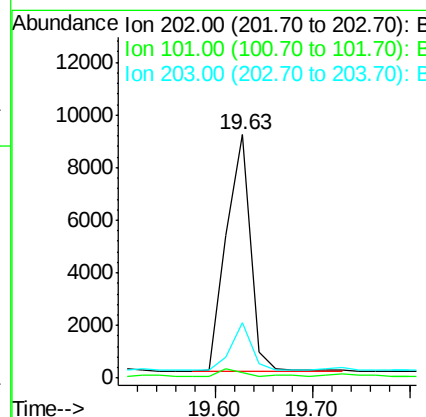
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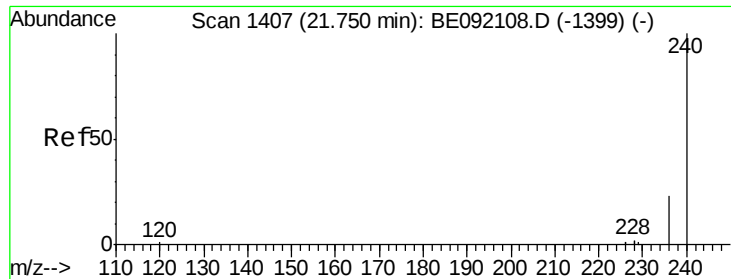
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#21
 Fluoranthene
 Concen: 0.20 ng
 RT: 19.63 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BE092125.D
 Acq: 2 Aug 2016 23:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.2	2.2	3.2
203	16.8	13.0	19.4





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092125.D

Acq: 2 Aug 2016 23:56

Instrument :

BNA_E

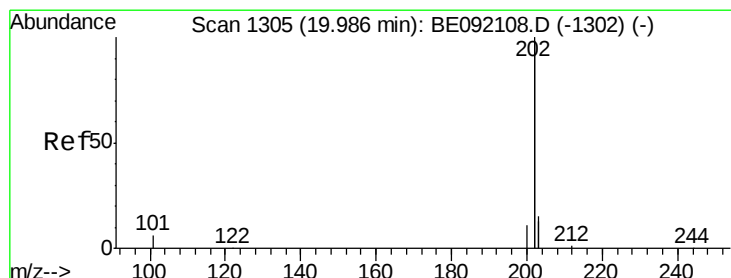
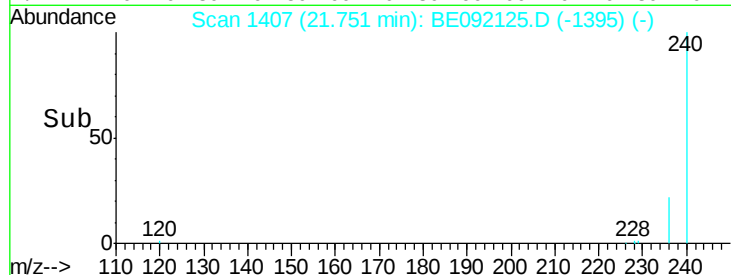
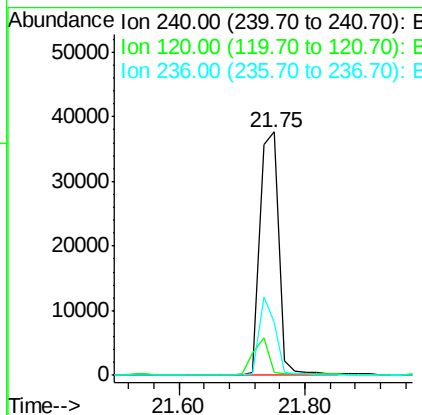
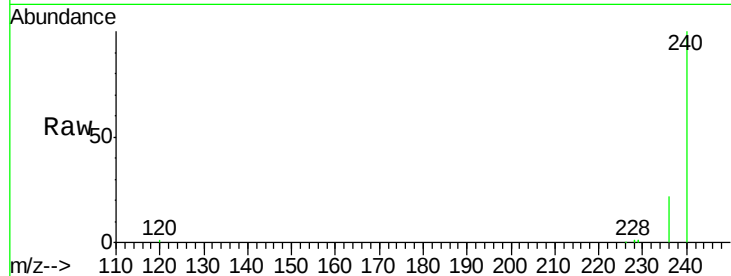
ClientSampleId :

GW-16-7.0-15.0

Tot Ion	Ratio	Lower	Upper
240	100		
120	1.3	0.6	1.0#
236	21.7	18.2	27.4

Manual Integrations
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#23

Pyrene

Concen: 0.17 ng

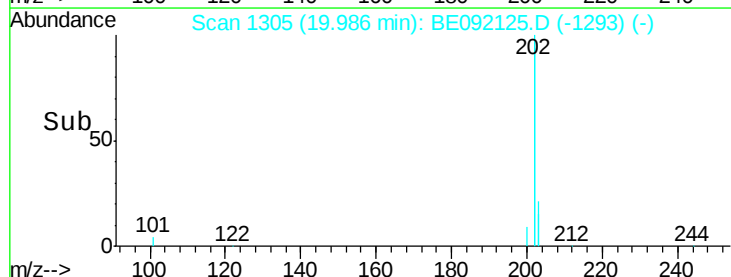
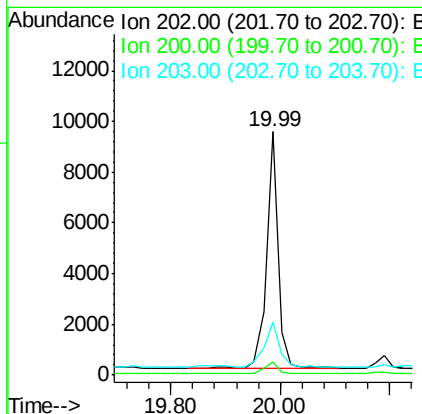
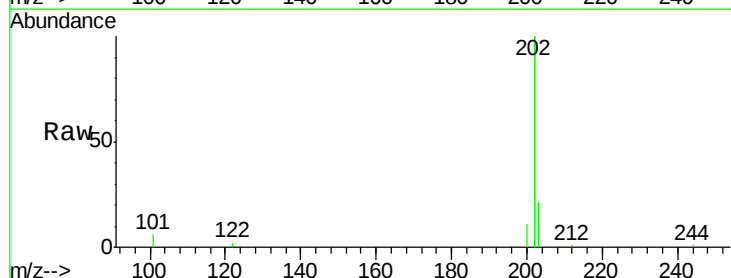
RT: 19.99 min Scan# 1305

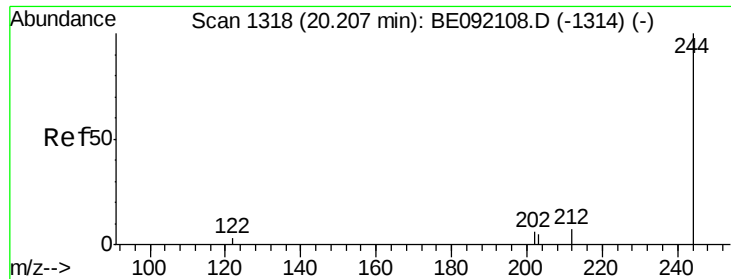
Delta R.T. 0.00 min

Lab File: BE092125.D

Acq: 2 Aug 2016 23:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.4	6.6
203	24.8	13.4	20.0#





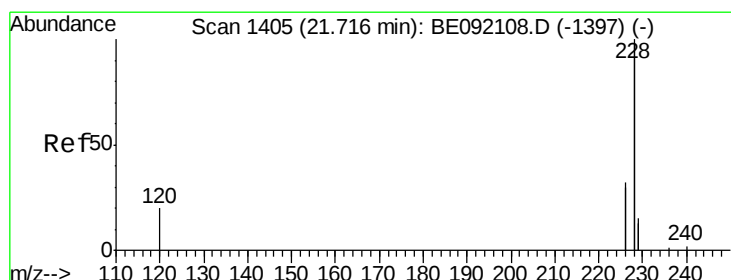
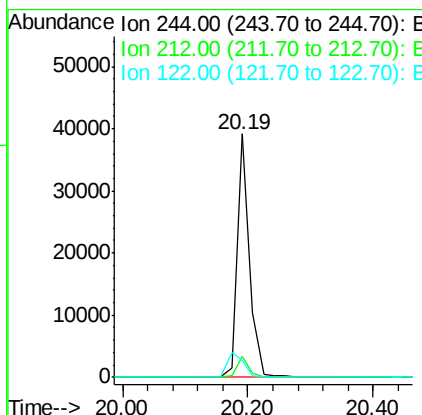
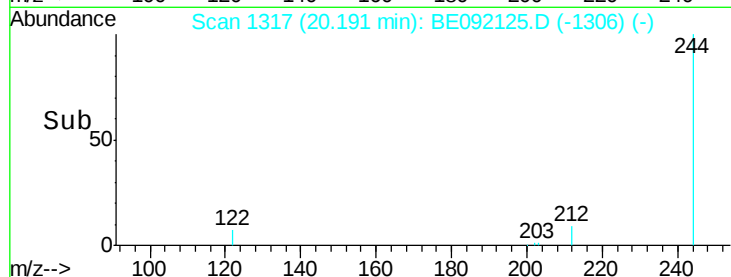
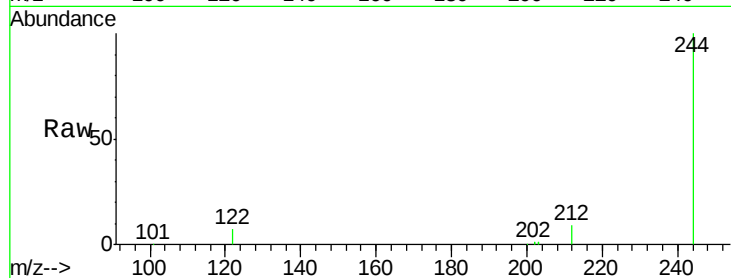
#24
 Terphenyl-d14
 Concen: 4.68 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092125.D
 Acq: 2 Aug 2016 23:56

Instrument :
 BNA_E
 ClientSampleId :
 GW-16-7.0-15.0

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.8	9.1	13.7#
122	7.0	11.0	16.4#

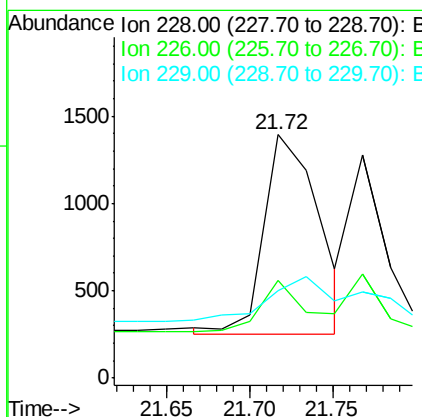
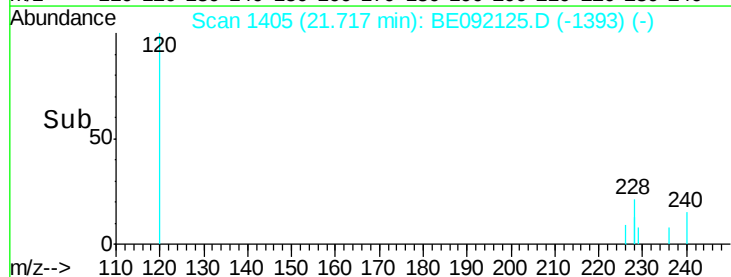
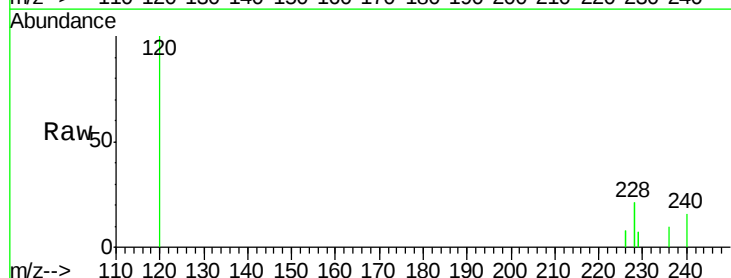
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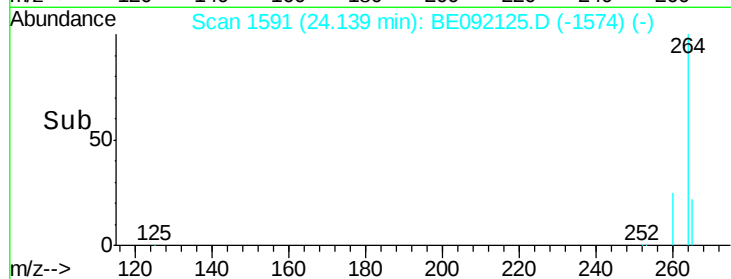
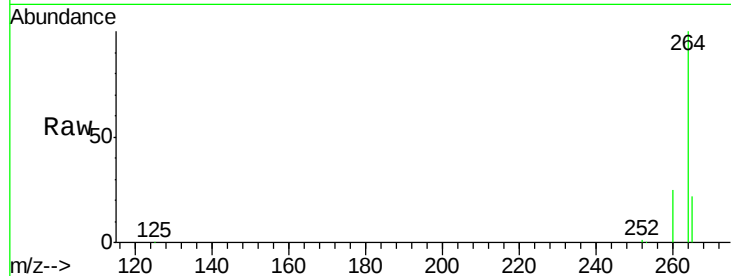
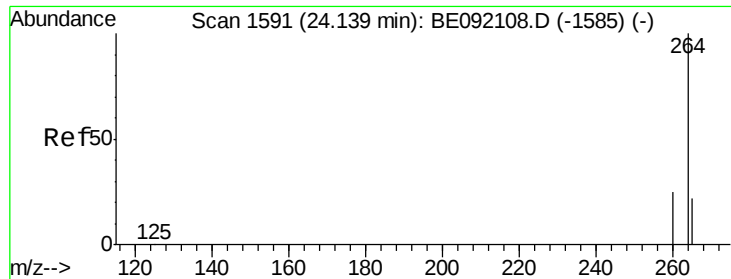
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#25
 Benzo(a)anthracene
 Concen: 0.03 ng m
 RT: 21.72 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: BE092125.D
 Acq: 2 Aug 2016 23:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.9	22.1	33.1#
229	36.2	15.1	22.7#





#28
Pervlene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.8	31.2
265	22.2	16.6	25.0

Manual Integrations
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