

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
 Data File : BE092130.D
 Acq On : 3 Aug 2016 3:04
 Operator : UM/SJ
 Sample : H4152-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-21-10.0-15.0

Manual Integrations
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Quant Time: Aug 03 11:50:50 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	10376	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	46640	5.00	ng	-0.01
10) Acenaphthene-d10	14.85	164	26429	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	59571	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	79220	5.00	ng	0.00
28) Perylene-d12	24.14	264	80045	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	8622	3.24	ng	0.00
5) Phenol-d6	7.34	99	7685	2.16	ng	-0.01
7) Nitrobenzene-d5	9.34	82	12627	3.43	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	5732	6.68	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29555	3.53	ng	0.00
24) Terphenyl-d14	20.19	244	45129	3.97	ng	-0.02
Target Compounds						
21) Fluoranthene	19.63	202	2942	0.04	ng	# 75
23) Pyrene	19.99	202	3259	0.04	ng	# 91
25) Benzo(a)anthracene	21.72	228	2692m	0.03	ng	

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

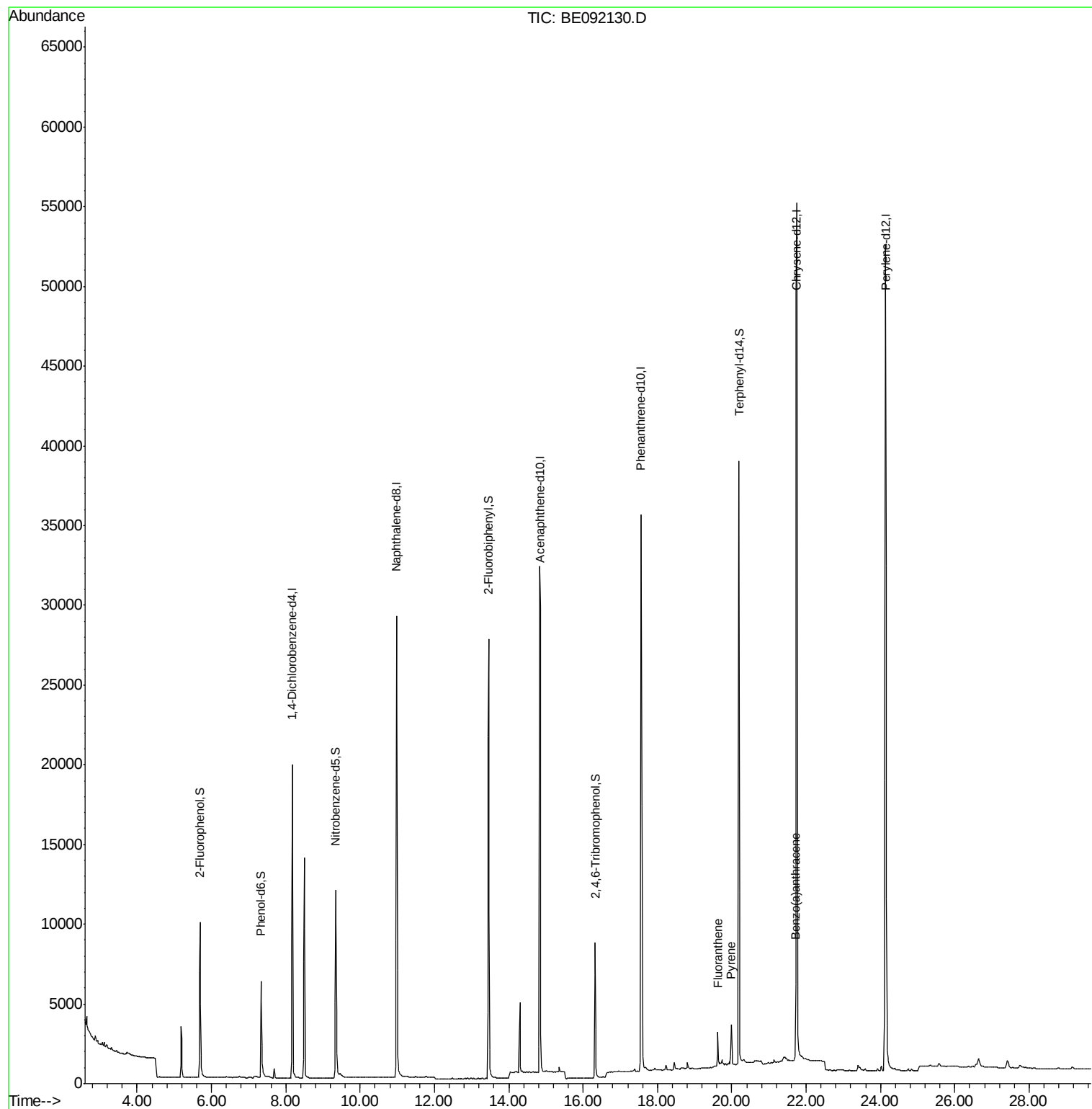
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Data File : BE092130.D
Acq On : 3 Aug 2016 3:04
Operator : UM/SJ
Sample : H4152-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

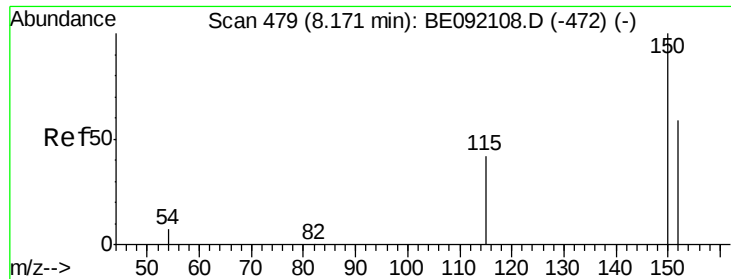
Instrument :
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ClientSampleId :
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Quant Time: Aug 03 11:50:50 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
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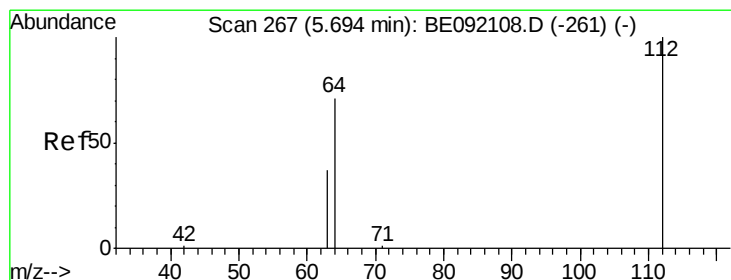
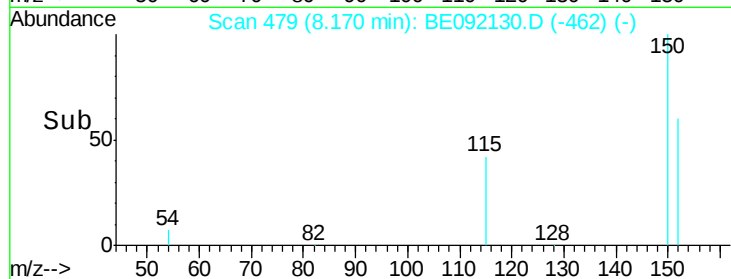
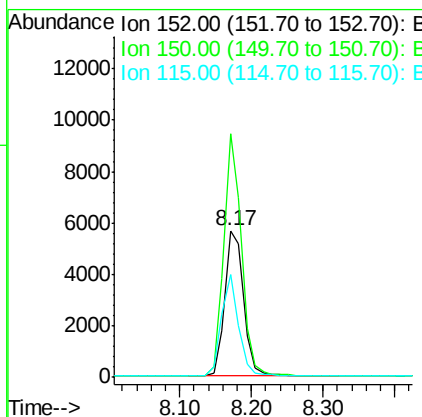
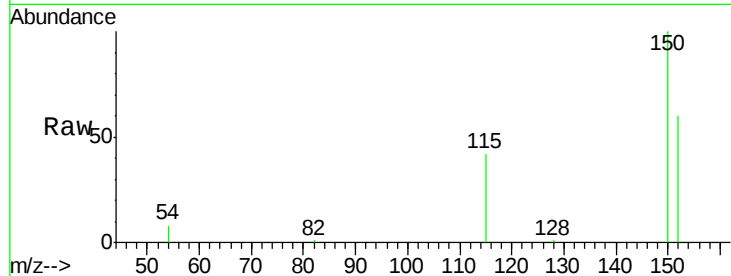
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.17 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Instrument :
 BNA_E
 ClientSampleId :
 GW-21-10.0-15.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.4	106.0	159.0#
115	70.1	36.9	55.3#

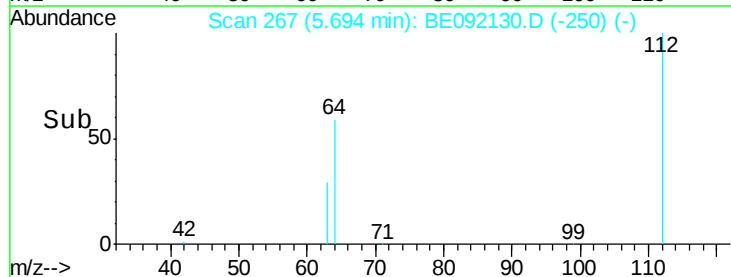
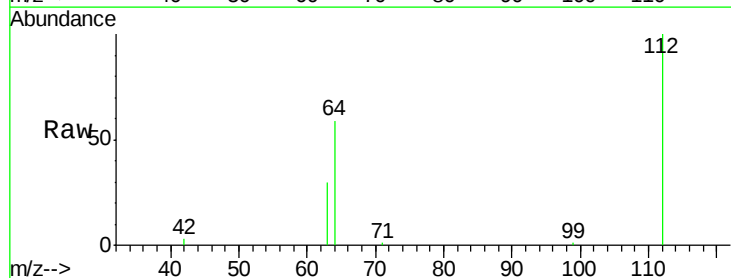
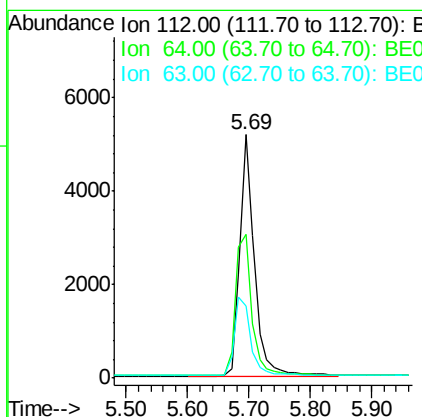
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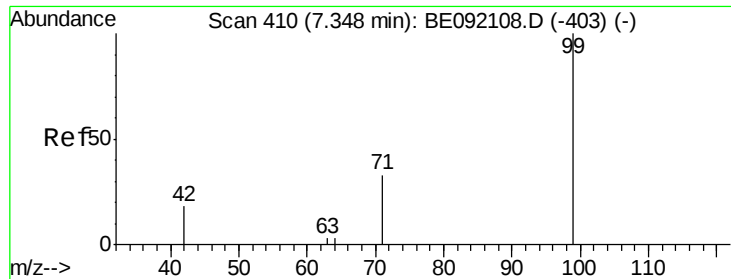
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#4
 2-Fluorophenol
 Concen: 3.24 ng
 RT: 5.69 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	55.9	83.9
63	36.5	31.1	46.7





#5

Phenol-d6

Concen: 2.16 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

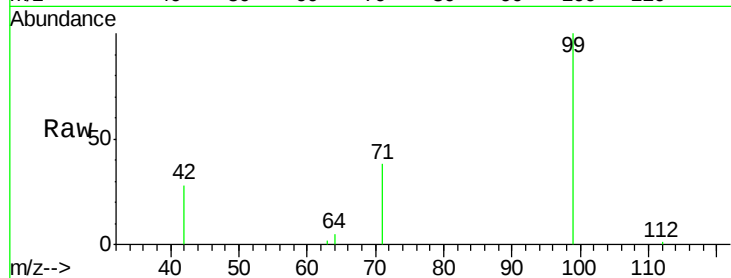
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GW-21-10.0-15.0

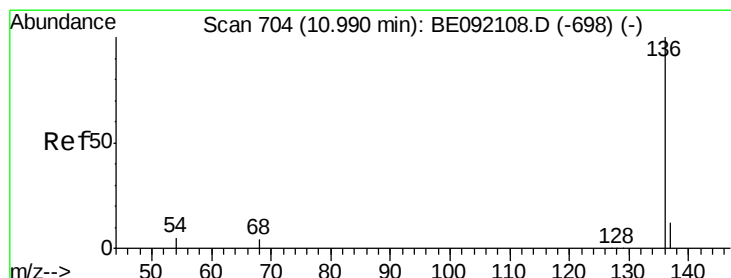
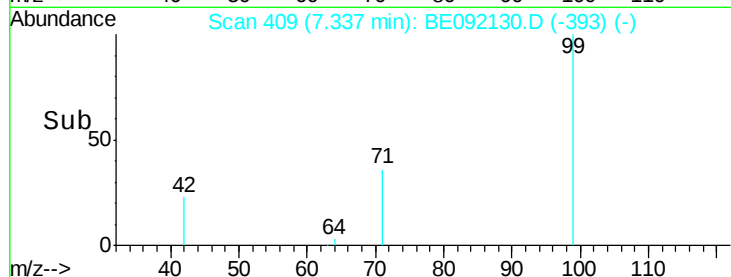
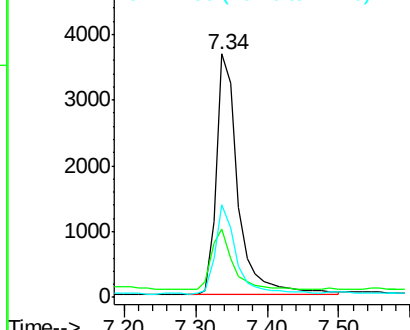
Tot Ion:	99	Resp:	7685
Ion	Ratio	Lower	Upper
99	100		
42	24.7	22.4	33.6
71	35.2	28.9	43.3

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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: 10.98 min Scan# 703

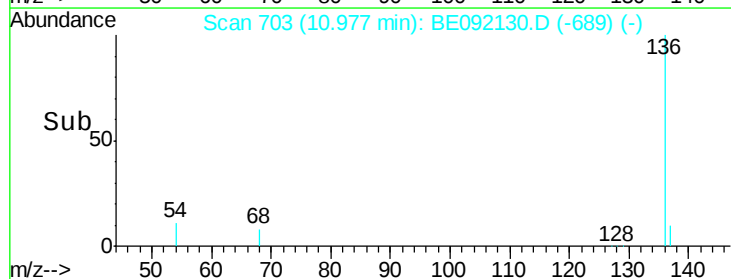
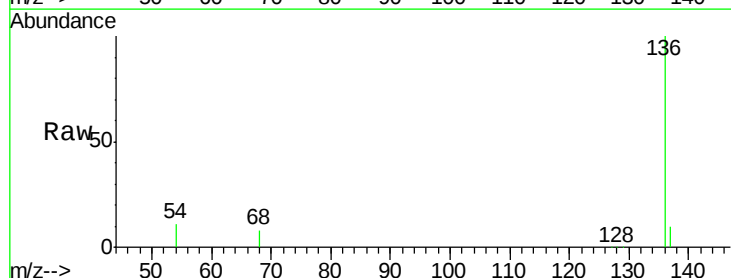
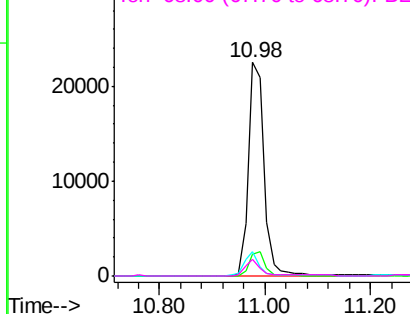
Delta R.T. -0.01 min

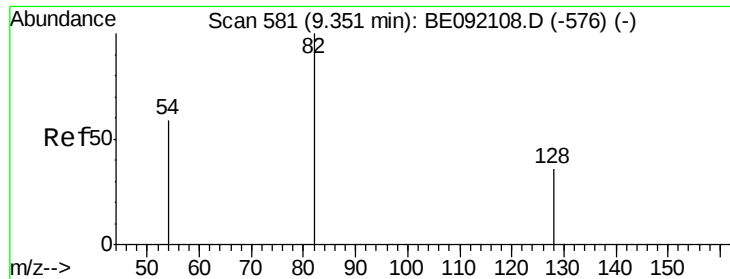
Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Tgt Ion:	136	Resp:	46640
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	11.3	2.7	4.1#
68	7.9	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: 3.43 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Instrument :

BNA_E

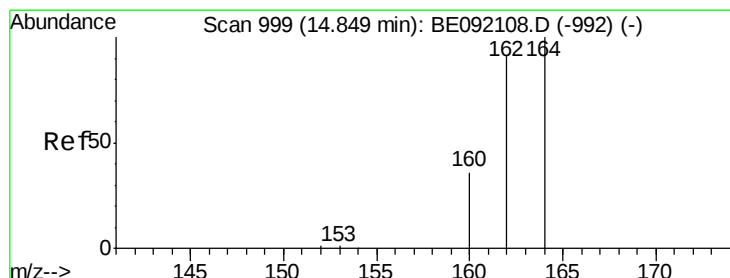
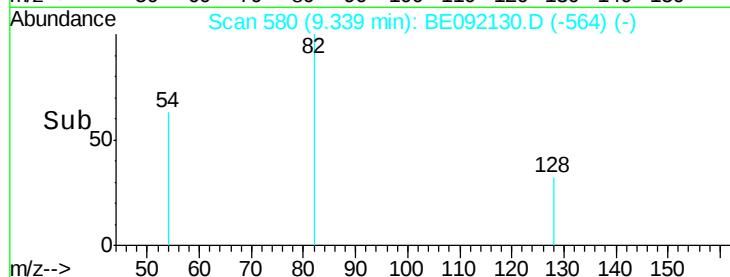
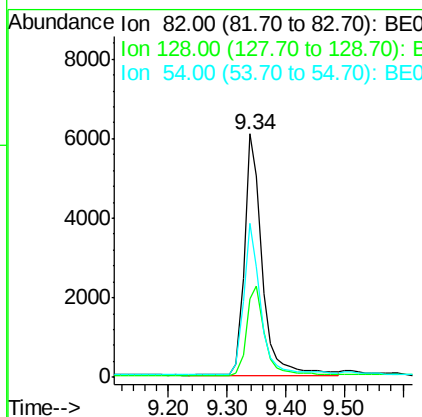
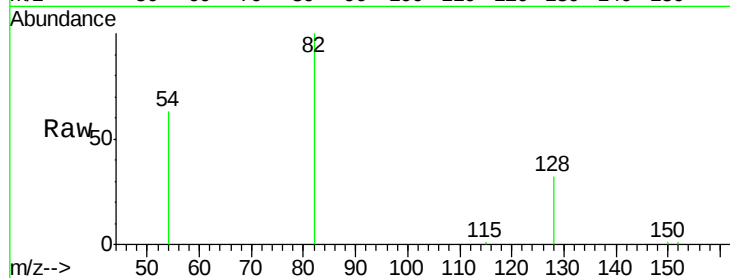
ClientSampleId :

GW-21-10.0-15.0

Tot Ion:	82	Resp:	12627
Ion Ratio	Lower	Upper	
82	100		
128	32.4	33.0	49.4#
54	63.5	42.6	63.8

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#10

Acenaphthene-d10

Concen: 5.00 ng

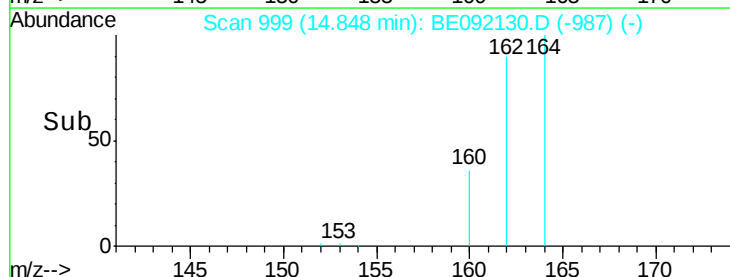
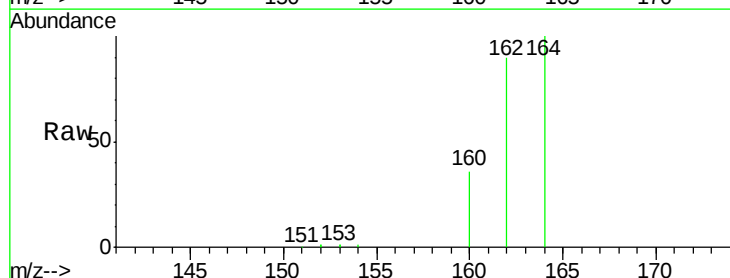
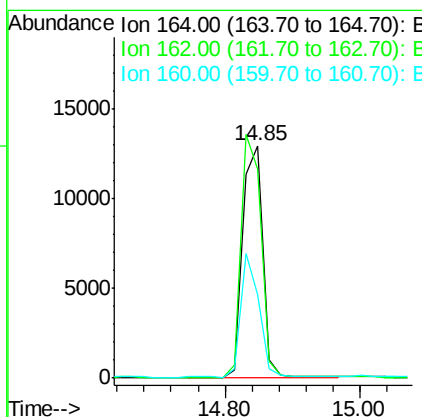
RT: 14.85 min Scan# 999

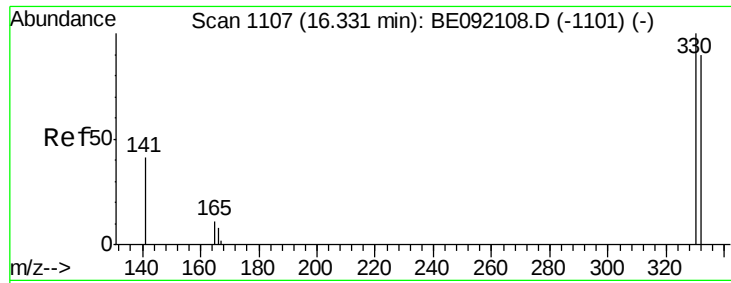
Delta R.T. -0.00 min

Lab File: BE092130.D

Acq: 3 Aug 2016 3:04

Tgt Ion:	164	Resp:	26429
Ion Ratio	Lower	Upper	
164	100		
162	90.2	69.5	104.3
160	36.0	27.6	41.4





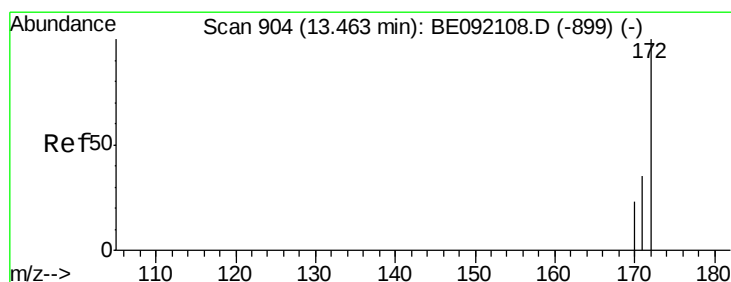
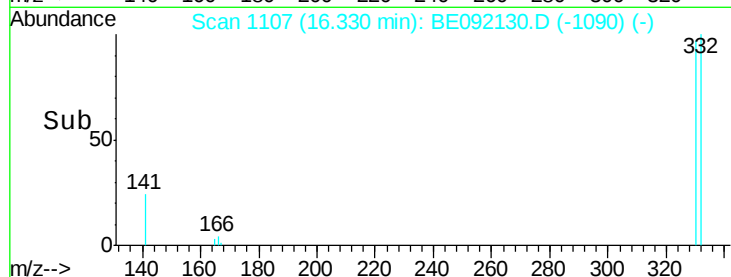
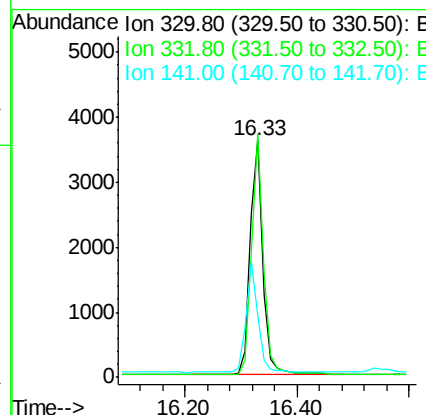
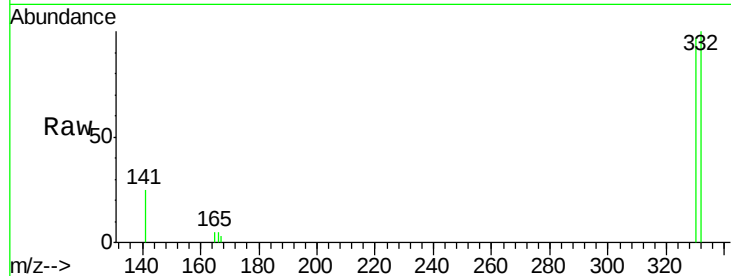
#11
 2,4,6-Tribromophenol
 Concen: 6.68 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Instrument :
 BNA_E
 ClientSampleId :
 GW-21-10.0-15.0

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	74.2	111.4
141	44.0	139.8	209.8#

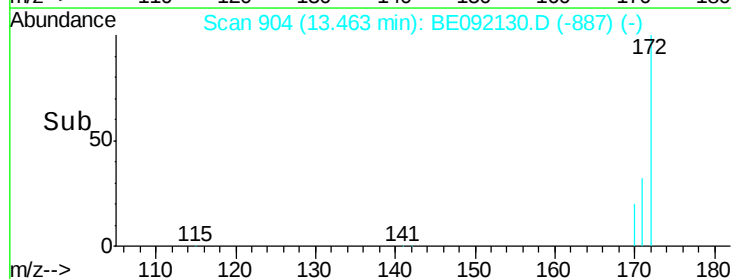
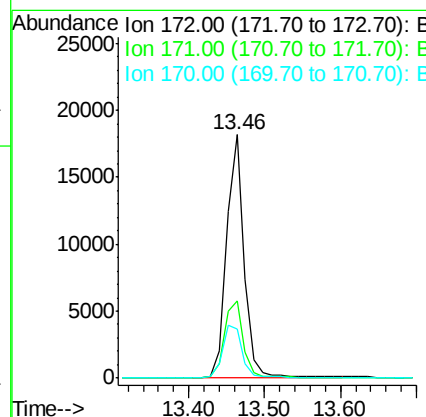
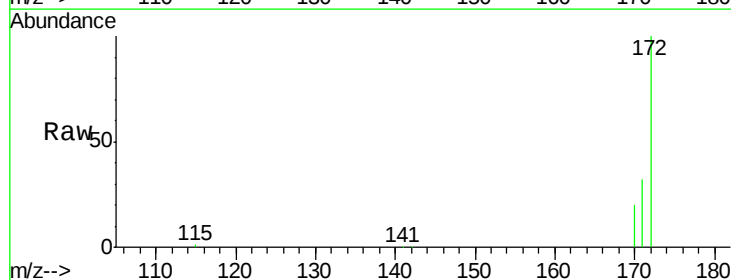
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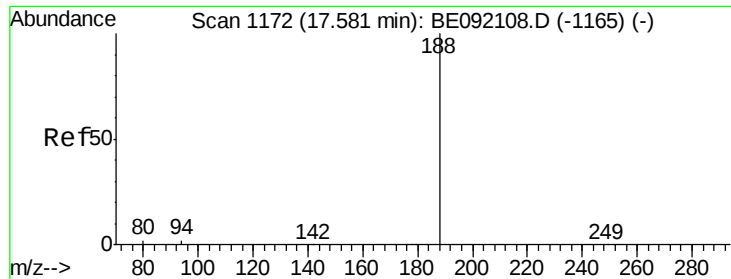
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#12
 2-Fluorobiphenyl
 Concen: 3.53 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.8	30.3	45.5
170	20.1	21.6	32.4#





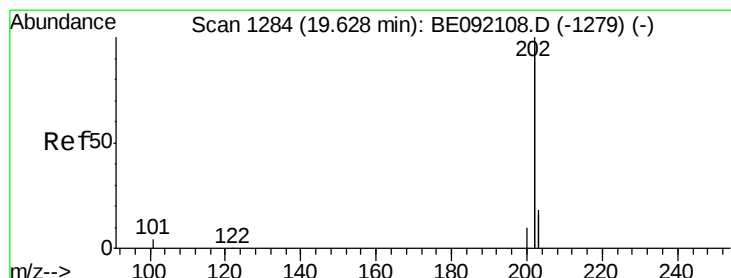
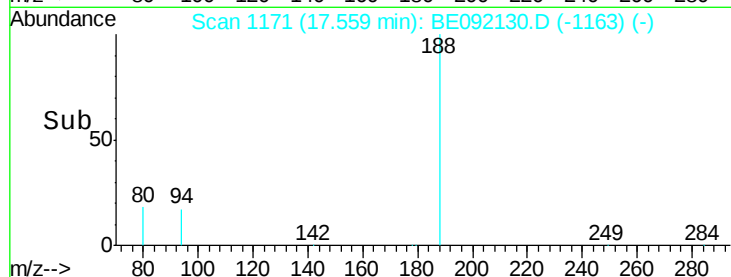
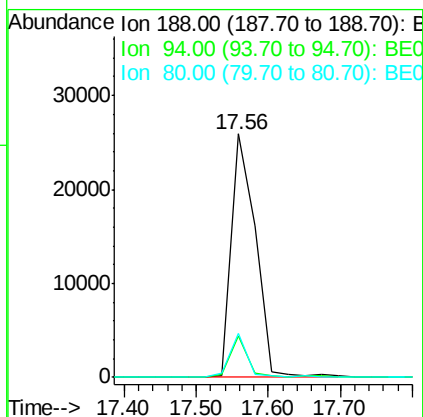
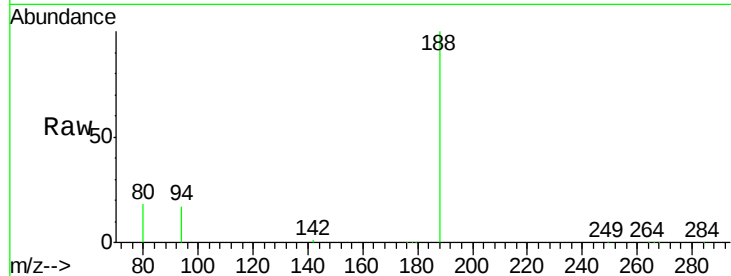
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	17.1	3.9	5.9#	
80	18.0	3.4	5.0#	

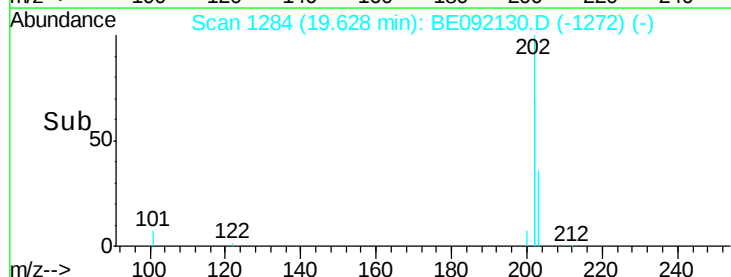
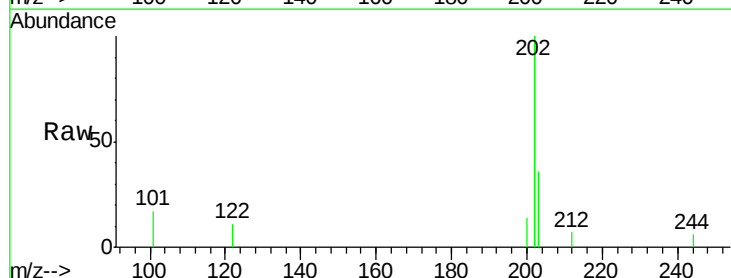
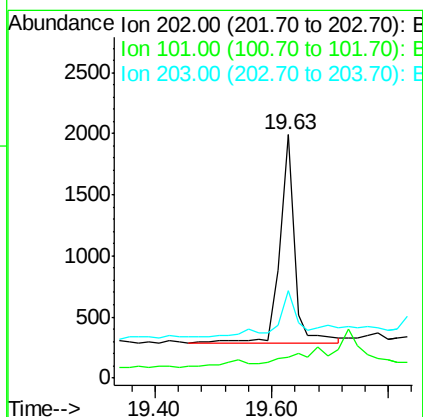
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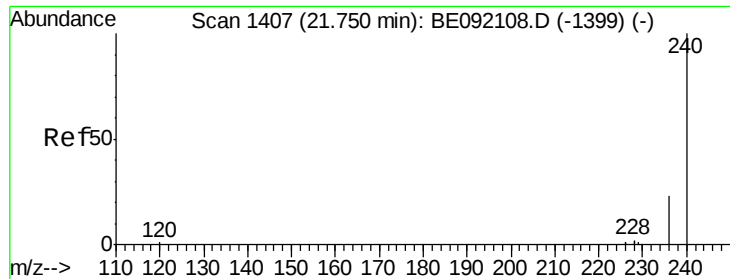
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#21
Fluoranthene
Concen: 0.04 ng
RT: 19.63 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	0.0	2.2	3.2#	
203	28.1	13.0	19.4#	





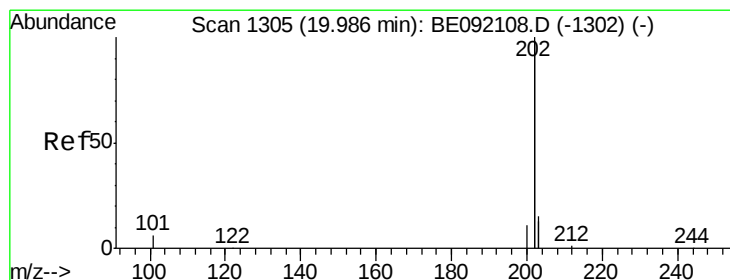
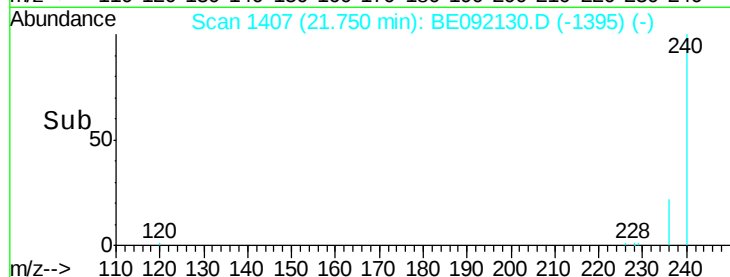
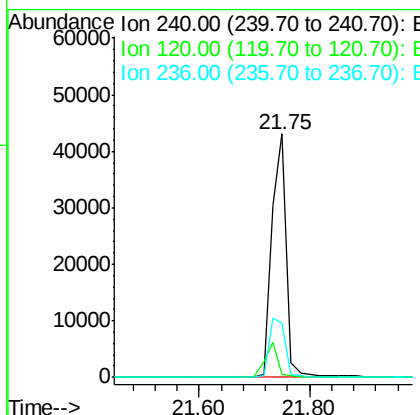
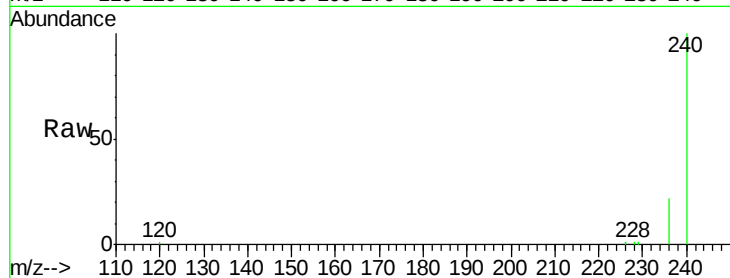
#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tot Ion	Ratio	Lower	Upper
240	100		
120	1.3	0.6	1.0#
236	22.4	18.2	27.4

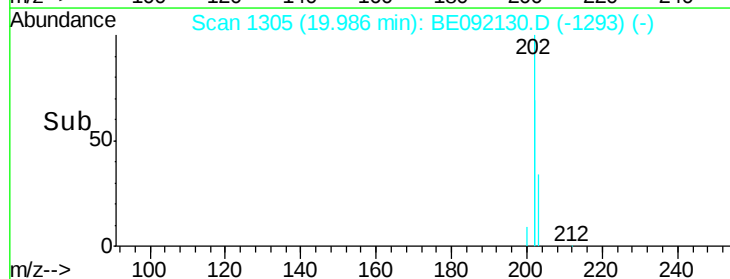
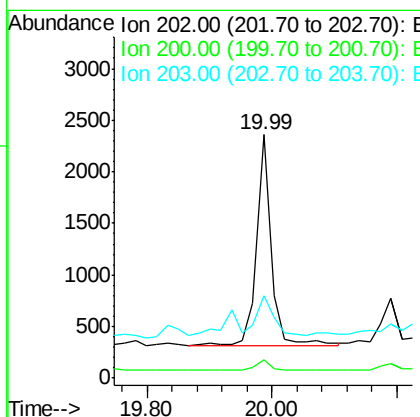
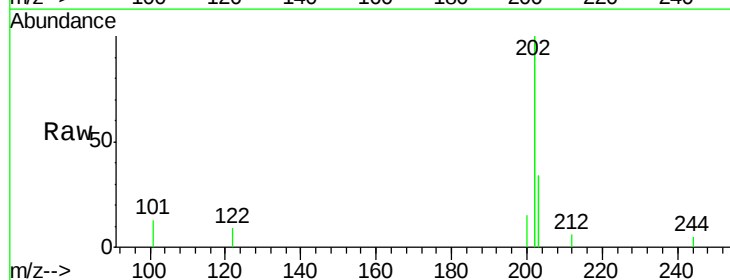
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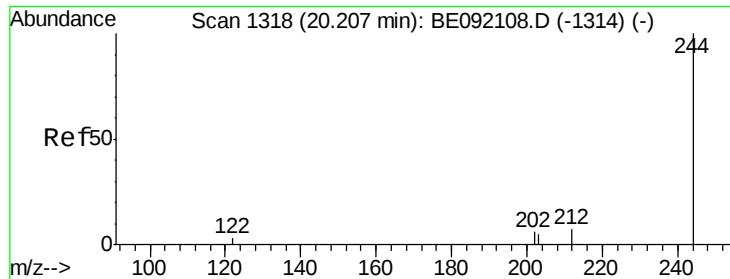
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#23
Pyrene
Concen: 0.04 ng
RT: 19.99 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	4.8	4.4	6.6
203	21.7	13.4	20.0#





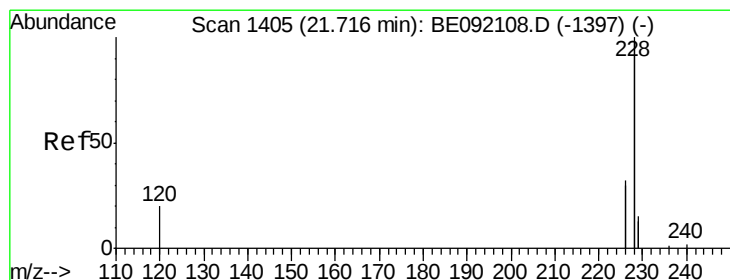
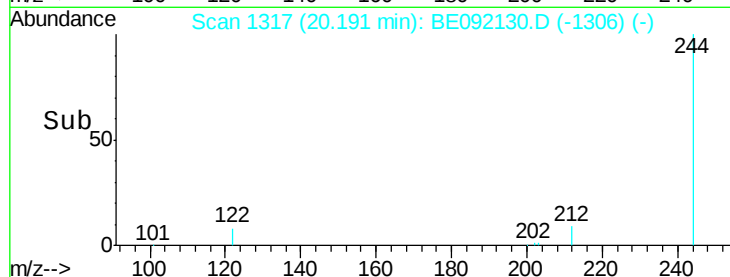
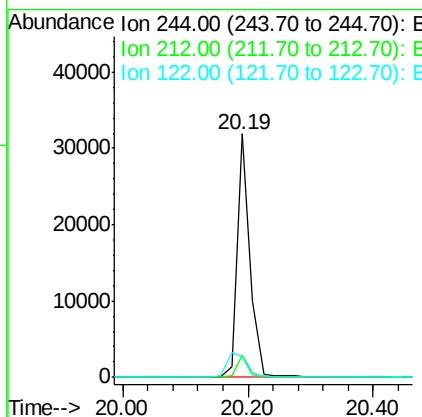
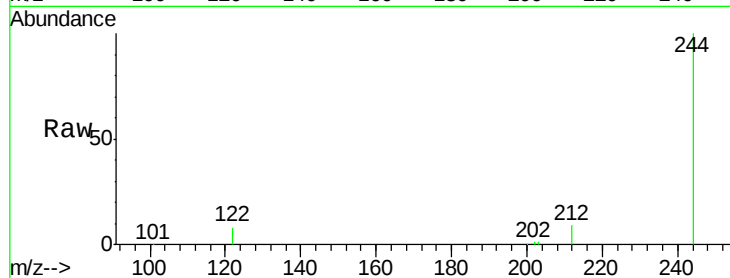
#24
 Terphenyl-d14
 Concen: 3.97 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Instrument :
 BNA_E
 ClientSampleId :
 GW-21-10.0-15.0

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.1	9.1	13.7
122	8.4	11.0	16.4

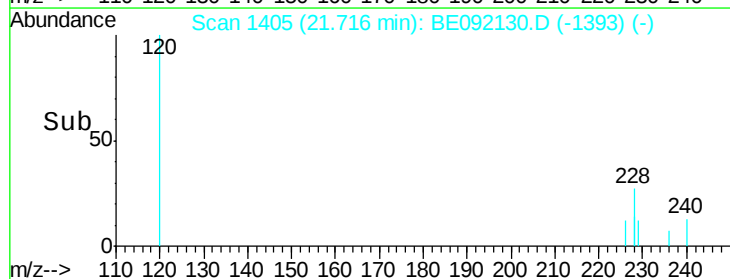
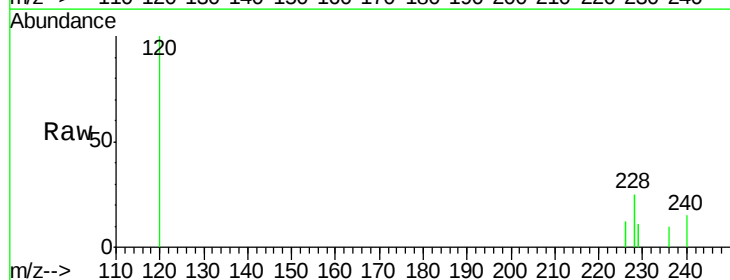
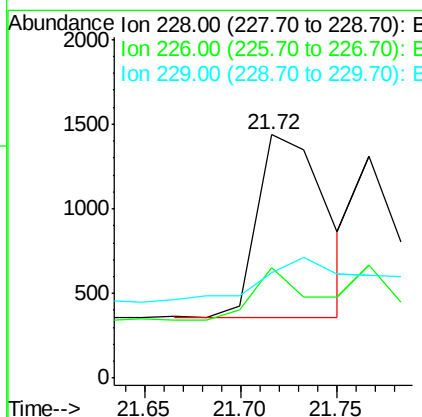
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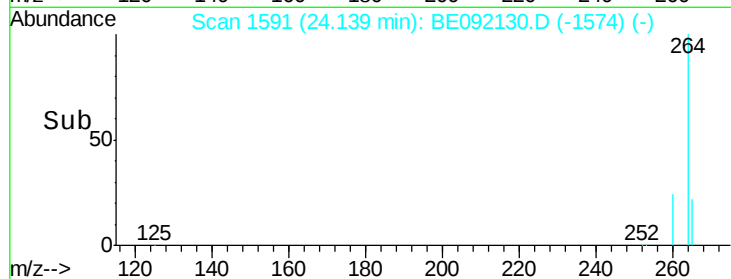
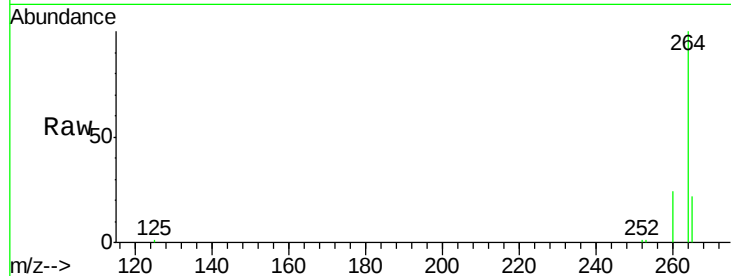
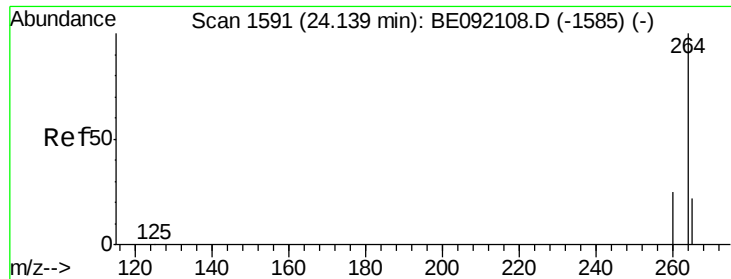
sohil
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#25
 Benzo(a)anthracene
 Concen: 0.03 ng m
 RT: 21.72 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BE092130.D
 Acq: 3 Aug 2016 3:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.5	22.1	33.1
229	43.1	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: BE092130.D
 Acq: 3 Aug 2016 3:04

Instrument :
 BNA_E
 ClientSampleId :
 GW-21-10.0-15.0

Tot Ion:	264	Resp:	80045
Ion Ratio	Lower	Upper	
264	100		
260	24.4	20.8	31.2
265	22.4	16.6	25.0

Manual Integrations
 APPROVED

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