

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092017.D
 Acq On : 22 Jul 2016 22:03
 Operator : UM/SJ
 Sample : H4120-08MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations

sohil
 7/25/2016 6:46:18 PM

Quant Time: Jul 23 02:02:44 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	28291	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	135246	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	82860	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	172807	5.00	ng	0.00
31) Chrysene-d12	21.76	240	246205	5.00	ng	0.00
40) Perylene-d12	24.16	264	197652	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	32782	5.98	ng	0.00
5) Phenol-d6	7.35	99	30884	3.24	ng	-0.02
9) Nitrobenzene-d5	9.37	82	42809	5.26	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	21774	7.58	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	94907	4.36	ng	-0.01
34) Terphenyl-d14	20.20	244	131755	5.33	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	7646	2.00	ng	# 83
3) n-Nitrosodimethylamine	3.80	42	13656	2.66	ng	82
6) bis(2-Chloroethyl)ether	7.61	93	35610	4.38	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	32396	4.67	ng	# 98
10) Nitrobenzene	9.40	77	44253	4.04	ng	# 99
11) bis(2-Chloroethoxy)methane	10.40	93	49532	4.86	ng	# 18
12) Naphthalene	11.04	128	115836	3.77	ng	98
13) Hexachlorobutadiene	11.34	225	13806	3.14	ng	98
14) 2-Methylnaphthalene	12.66	142	77870	4.04	ng	99
18) Acenaphthylene	14.56	152	587596	4.61	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	104794	4.39	ng	# 10
20) Acenaphthene	14.92	154	86165	3.99	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	147132	4.37	ng	# 1
22) Fluorene	15.90	166	110734	4.30	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	48653	3.80	ng	96
25) 4-Bromophenyl-phenylether	16.78	248	31162	4.33	ng	97
26) Hexachlorobenzene	16.90	284	29942	4.04	ng	99
27) Pentachlorophenol	17.25	266	32403	7.81	ng	92
28) Phenanthrene	17.63	178	183909	4.12	ng	99
29) Anthracene	17.72	178	178421	4.41	ng	100
30) Fluoranthene	19.63	202	785292	4.40	ng	# 67
32) Benzidine	19.90	184	165	0.20	ng	# 1
33) Pyrene	19.99	202	906547	5.07	ng	# 82
35) Benzo(a)anthracene	21.73	228	313973m	5.66	ng	
36) 3,3'-Dichlorobenzidine	21.67	252	32479	2.75	ng	# 73
37) Chrysene	21.79	228	300506m	4.45	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	578305	11.91	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	1010736	5.45	ng	98
41) Benzo(b)fluoranthene	23.42	252	242274	4.67	ng	97
42) Benzo(k)fluoranthene	23.47	252	216956	4.11	ng	96
43) Benzo(a)pyrene	24.05	252	215549	4.47	ng	96
44) Dibenzo(a,h)anthracene	26.70	278	208435	4.84	ng	97
45) Benzo(g,h,i)perylene	27.45	276	847314	4.80	ng	98

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Manual Integrations

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7/25/2016 6:46:18 PM

Quant Time: Jul 23 02:02:44 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
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QLast Update : Fri Jul 22 15:39:27 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

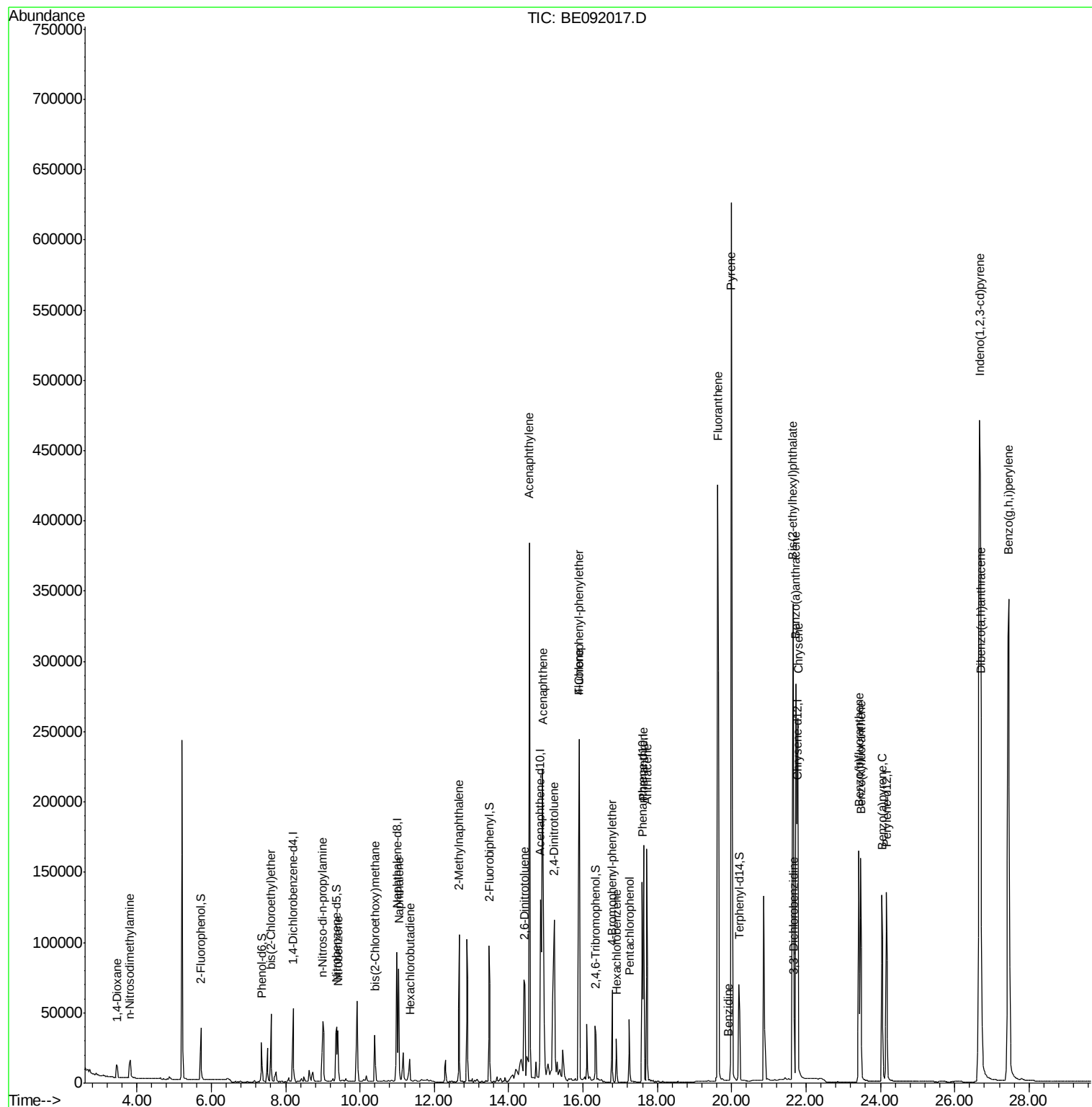
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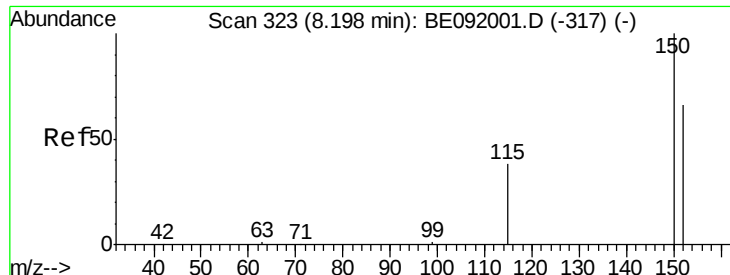
Instrument :
BNA_E
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE092017.D

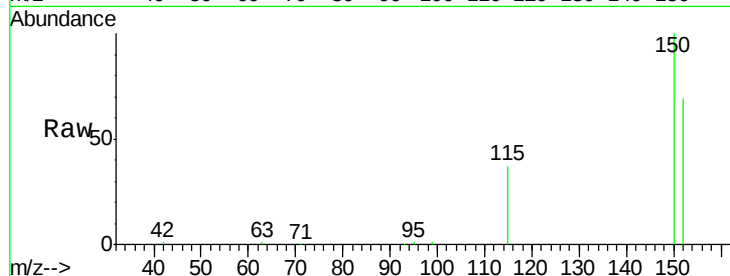
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD



Tgt Ion:152 Resp: 28291

Ion Ratio Lower Upper

152 100

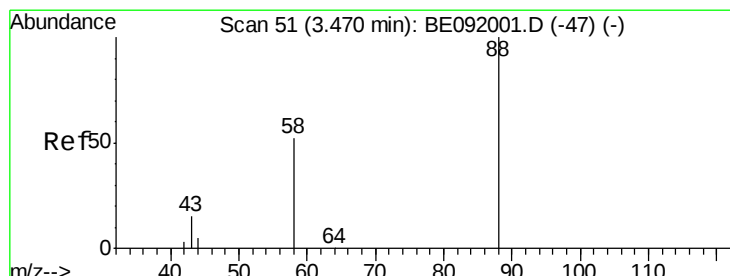
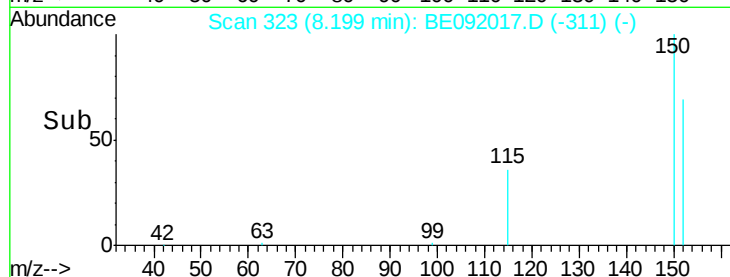
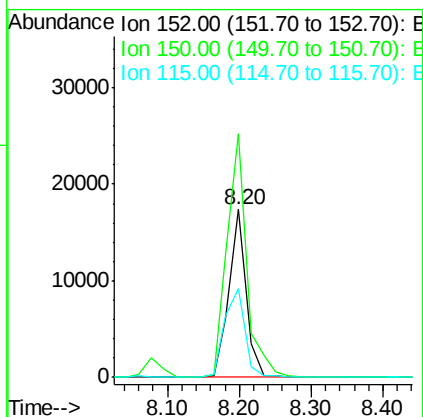
150 145.3 123.9 185.9

115 53.3 48.3 72.5

Manual Integrations

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#2

1,4-Dioxane

Concen: 2.00 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

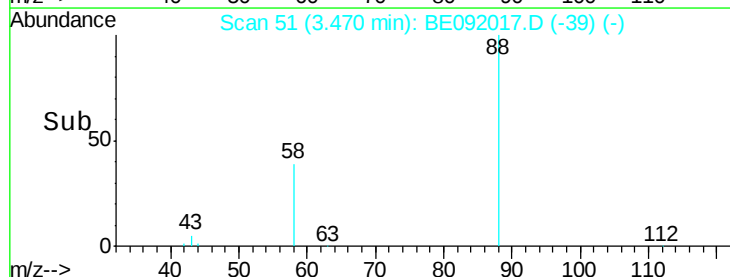
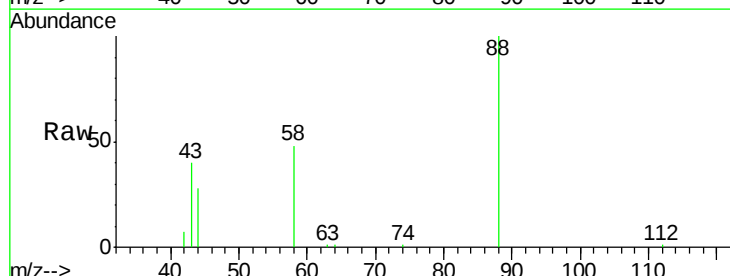
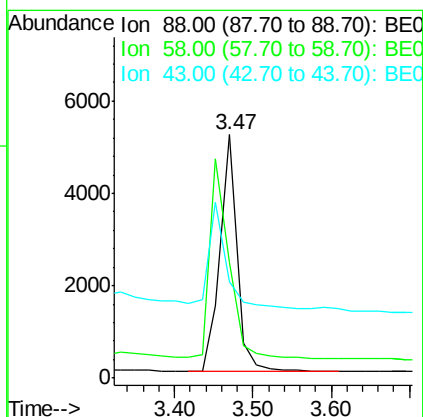
Tgt Ion: 88 Resp: 7646

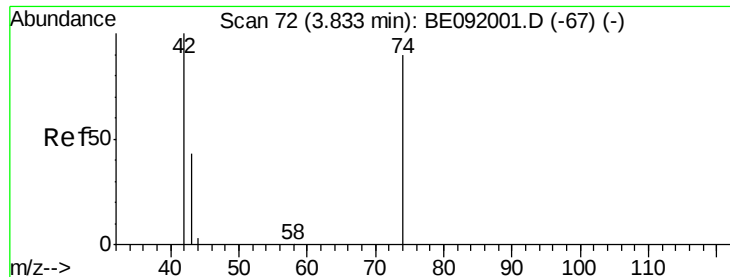
Ion Ratio Lower Upper

88 100

58 94.0 63.0 94.4

43 45.5 29.1 43.7#





#3

n-Nitrosodimethylamine

Concen: 2.66 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.03 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

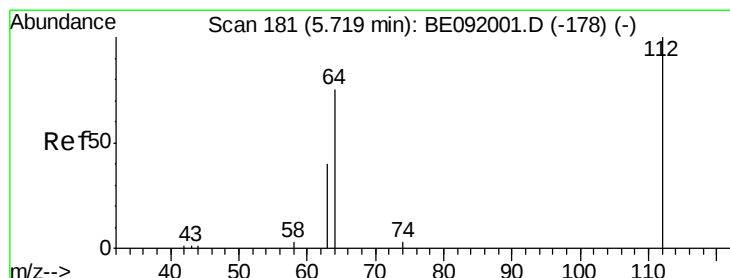
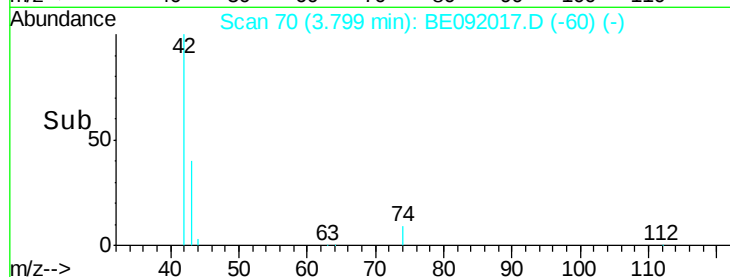
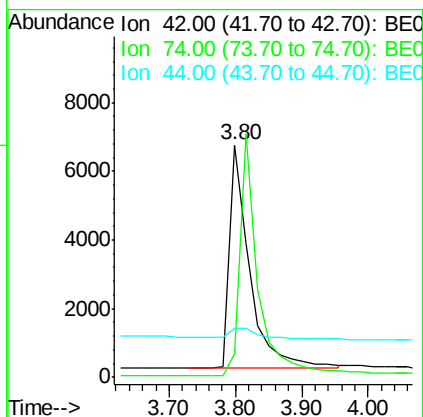
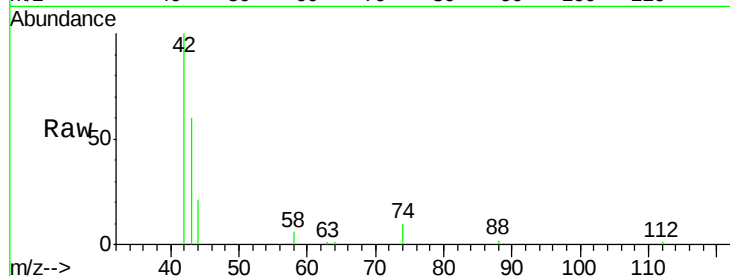
GW-05-5.0-16.0MSD

Tgt Ion:	42	Resp:	13656
Ion	Ratio	Lower	Upper
42	100		
74	96.3	93.4	140.0
44	7.4	5.0	7.6

Manual Integrations

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#4

2-Fluorophenol

Concen: 5.98 ng

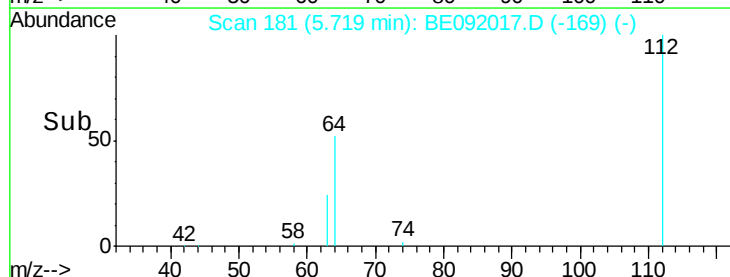
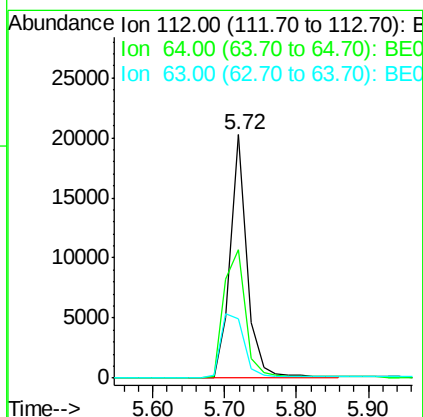
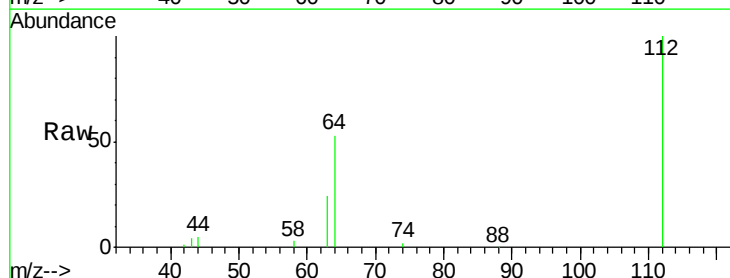
RT: 5.72 min Scan# 181

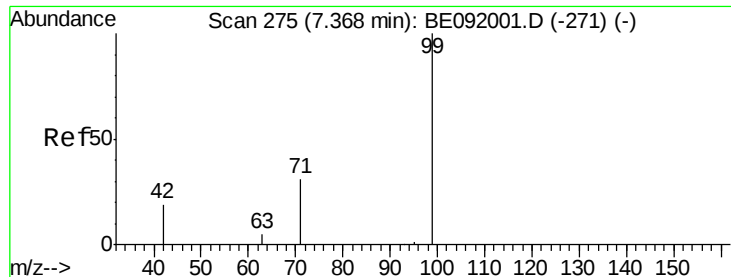
Delta R.T. 0.00 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

Tgt Ion:	112	Resp:	32782
Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.7	80.5
63	36.8	29.5	44.3





#5

Phenol-d6

Concen: 3.24 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

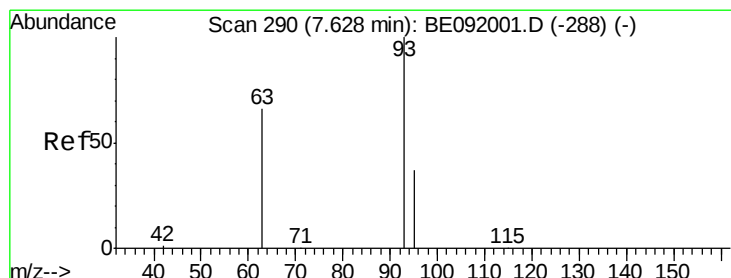
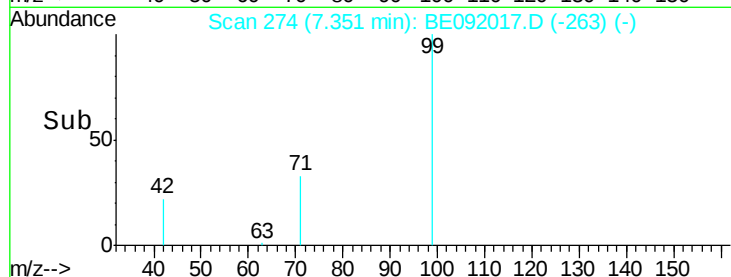
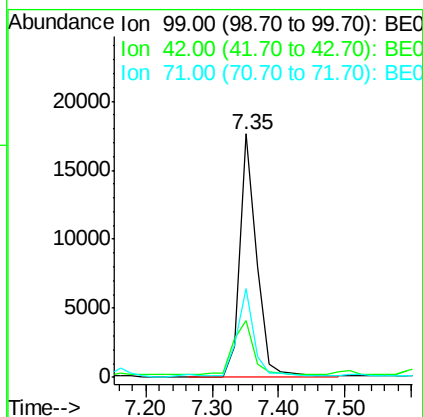
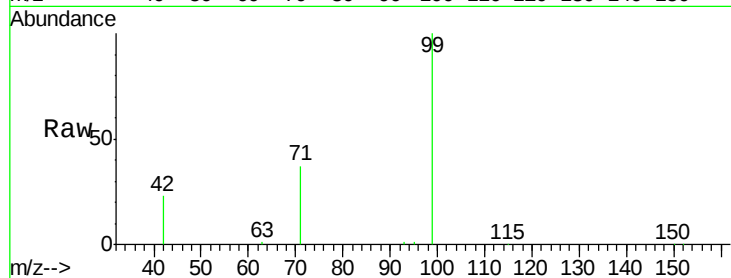
GW-05-5.0-16.0MSD

Tgt Ion:	99	Resp:	30884
Ion	Ratio	Lower	Upper
99	100		
42	27.1	19.6	29.4
71	36.6	28.1	42.1

Manual Integrations

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#6

bis(2-Chloroethyl)ether

Concen: 4.38 ng

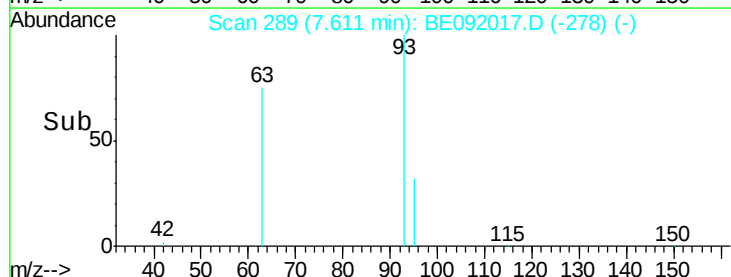
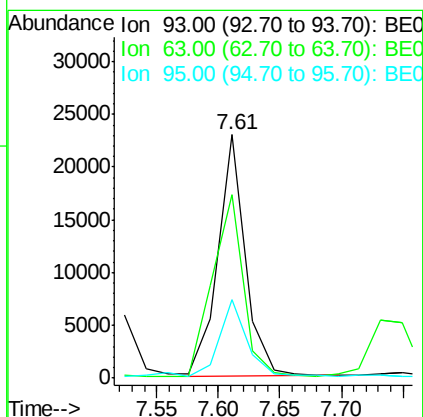
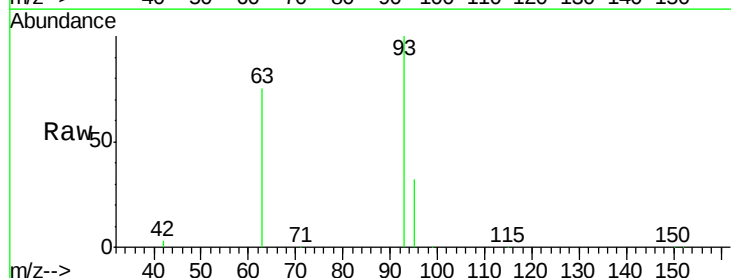
RT: 7.61 min Scan# 289

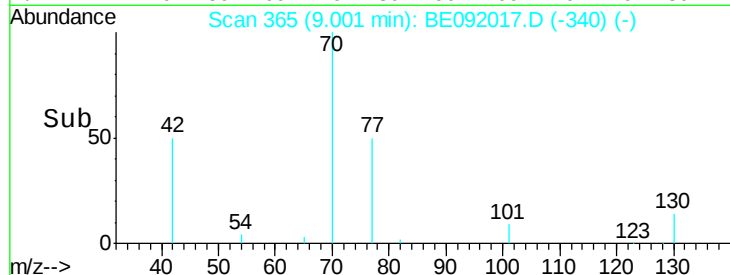
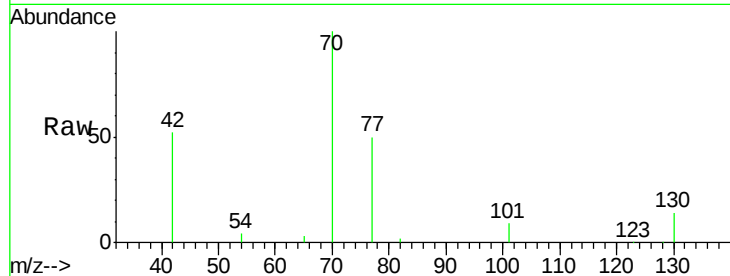
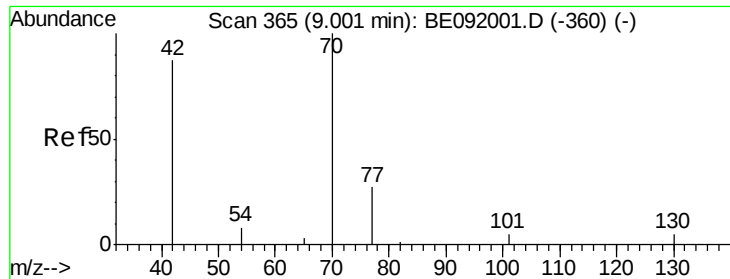
Delta R.T. -0.02 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

Tgt Ion:	93	Resp:	35610
Ion	Ratio	Lower	Upper
93	100		
63	85.0	66.2	99.4
95	34.3	25.5	38.3





#7

n-Nitroso-di-n-propylamine

Concen: 4.67 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD

Tgt Ion: 70 Resp: 32396

Ion Ratio Lower Upper

70 100

42 74.5 58.4 87.6

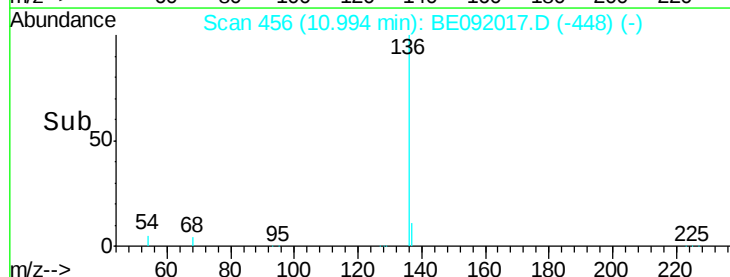
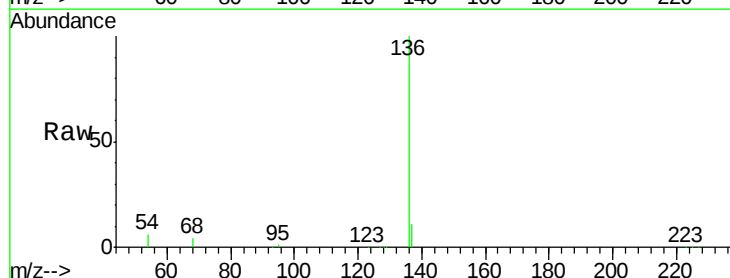
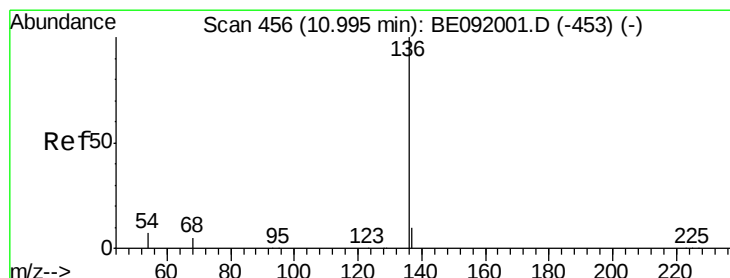
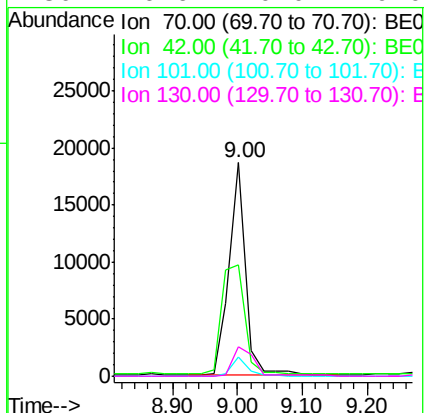
101 8.4 6.4 9.6

130 16.6 0.0 0.0#

Manual Integrations

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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: BE092017.D

Acq: 22 Jul 2016 22:03

Tgt Ion: 136 Resp: 135246

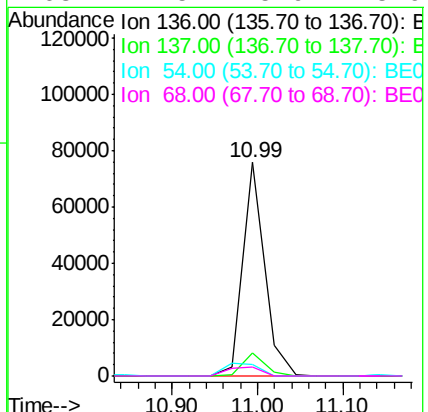
Ion Ratio Lower Upper

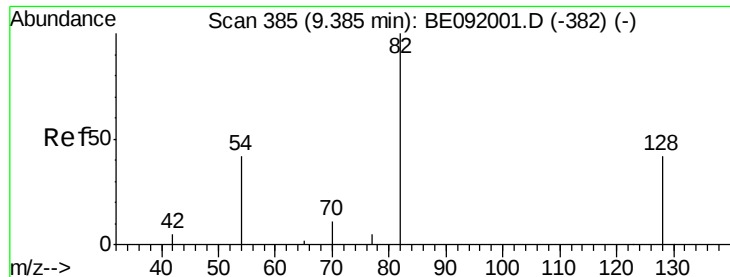
136 100

137 10.7 8.3 12.5

54 5.6 8.2 12.4#

68 4.5 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 5.26 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092017.D

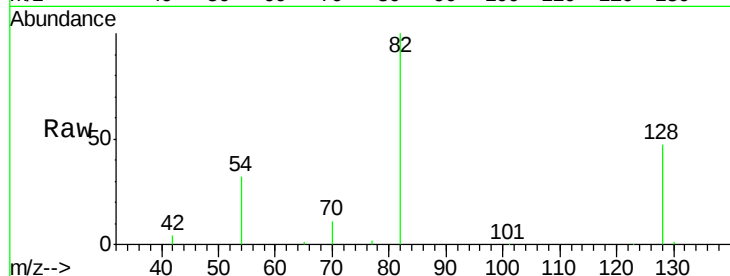
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD



Tgt Ion: 82 Resp: 42809

Ion Ratio Lower Upper

82 100

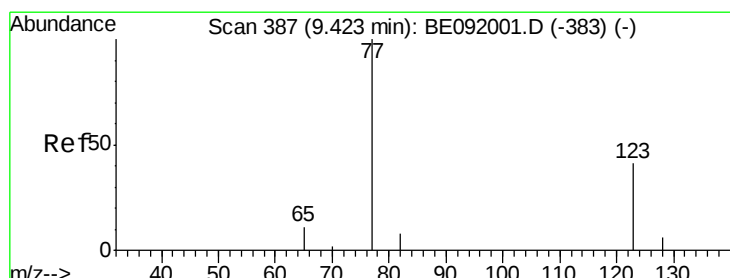
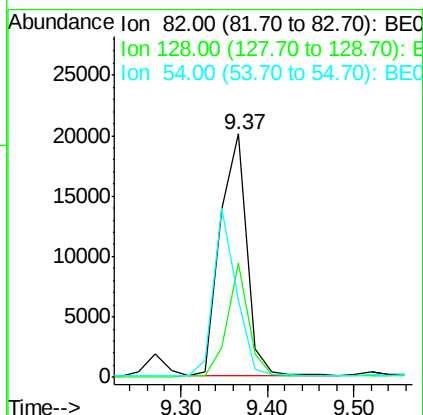
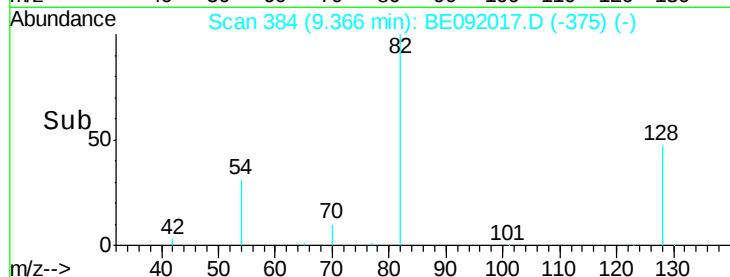
128 46.8 39.5 59.3

54 31.6 30.3 45.5

Manual Integrations

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#10

Nitrobenzene

Concen: 4.04 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

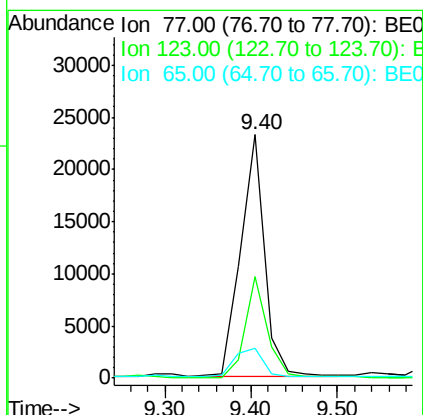
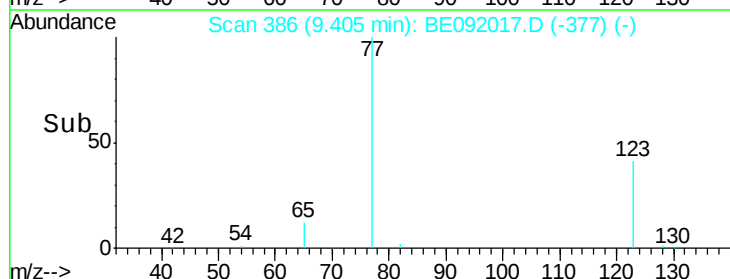
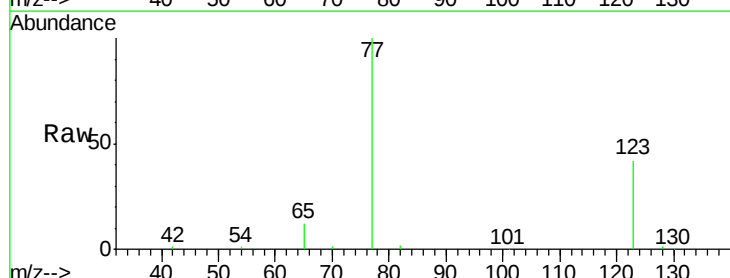
Tgt Ion: 77 Resp: 44253

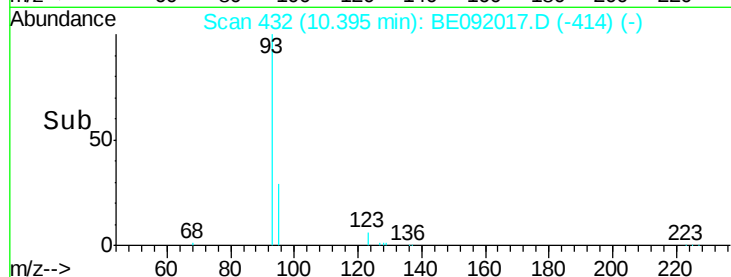
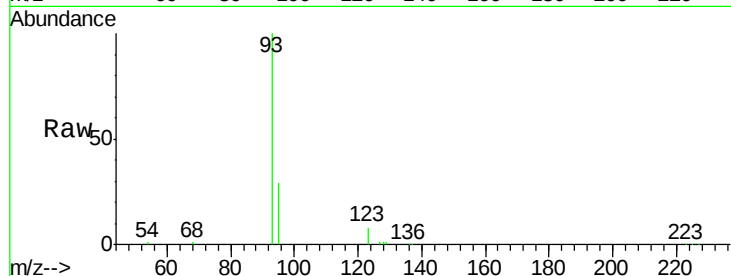
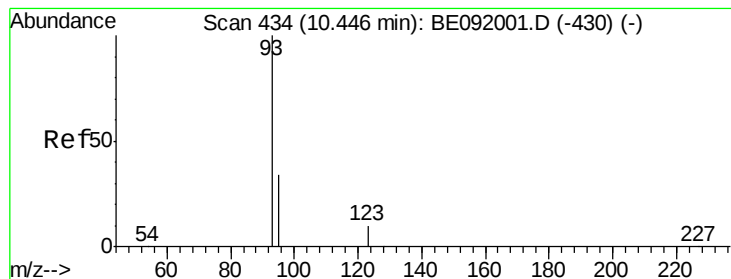
Ion Ratio Lower Upper

77 100

123 38.6 0.0 0.0#

65 14.3 11.1 16.7





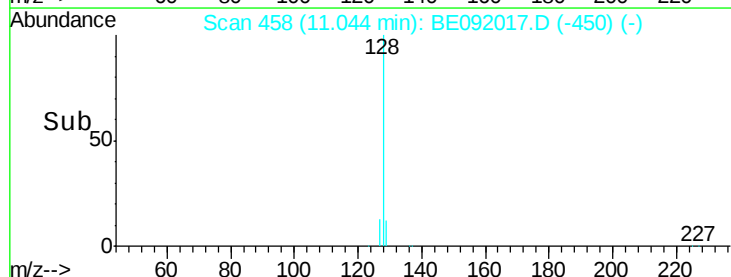
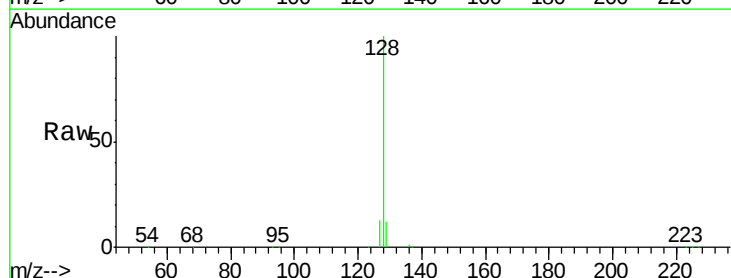
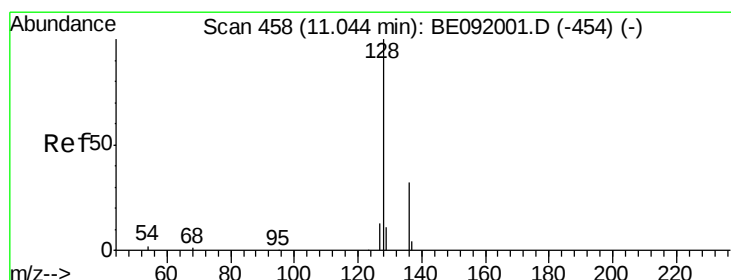
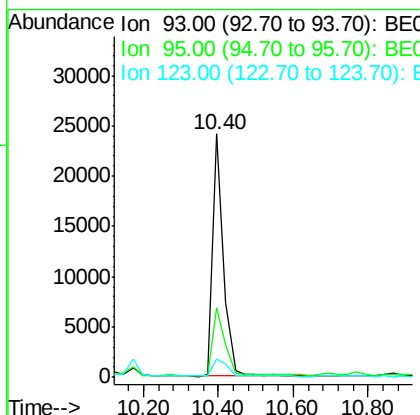
#11
bis(2-Chloroethoxy)methane
Concen: 4.86 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.05 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

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

Tgt Ion: 93 Resp: 49532
Ion Ratio Lower Upper
93 100
95 31.4 57.6 86.4#
123 9.7 100.2 150.4#

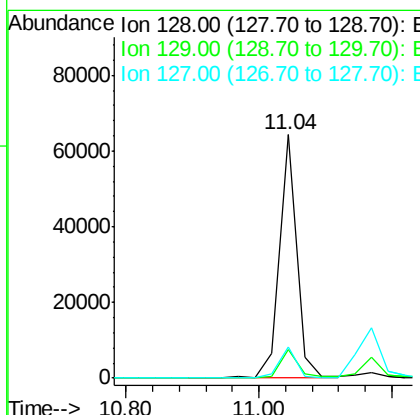
Manual Integrations

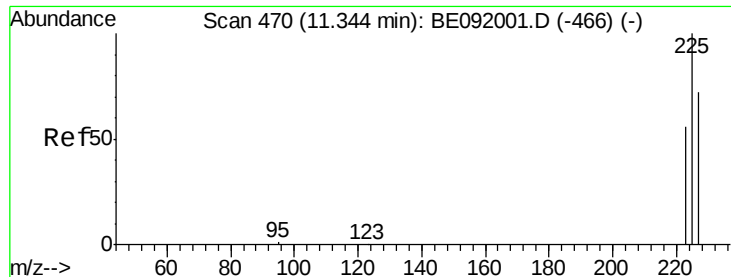
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#12
Naphthalene
Concen: 3.77 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

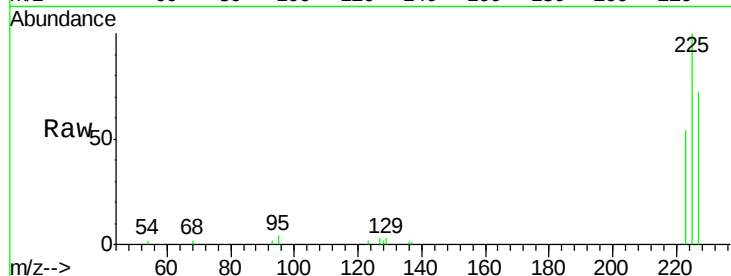
Tgt Ion: 128 Resp: 115836
Ion Ratio Lower Upper
128 100
129 11.7 10.4 15.6
127 12.8 10.2 15.2





#13
Hexachlorobutadiene
Concen: 3.14 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

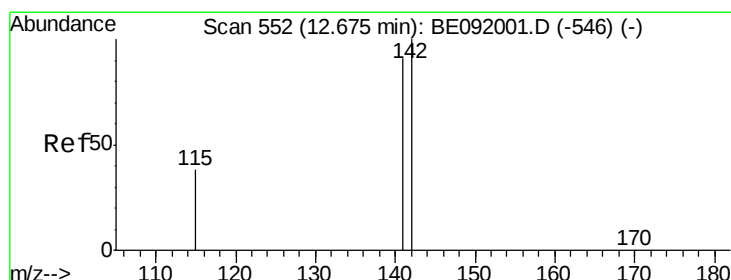
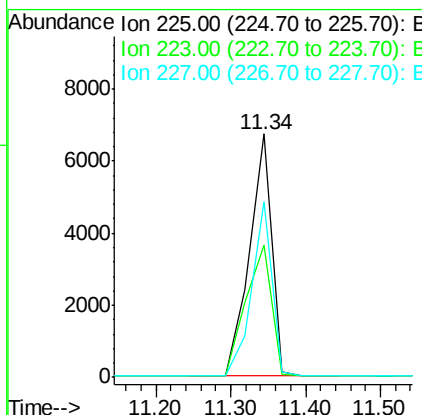
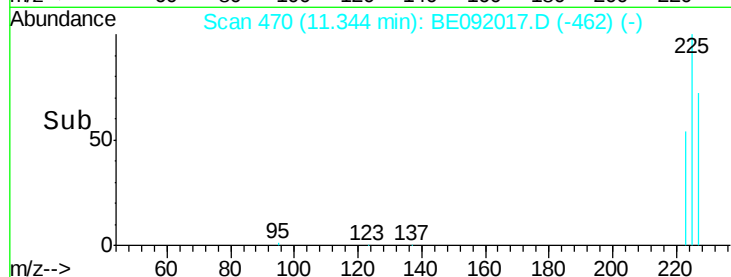
Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MSD



Tgt Ion: 225 Resp: 13806
Ion Ratio Lower Upper
225 100
223 61.9 49.8 74.8
227 65.8 50.6 75.8

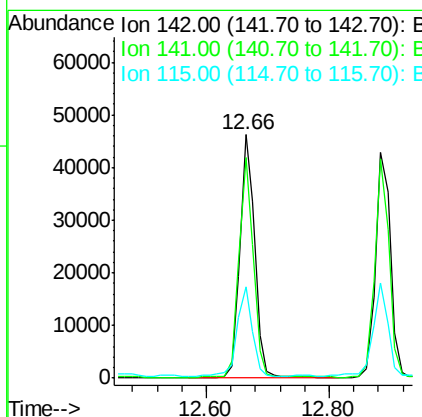
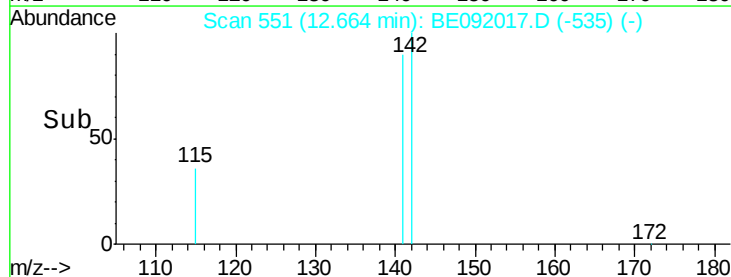
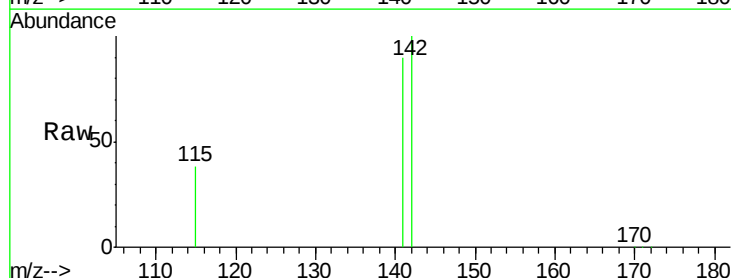
Manual Integrations

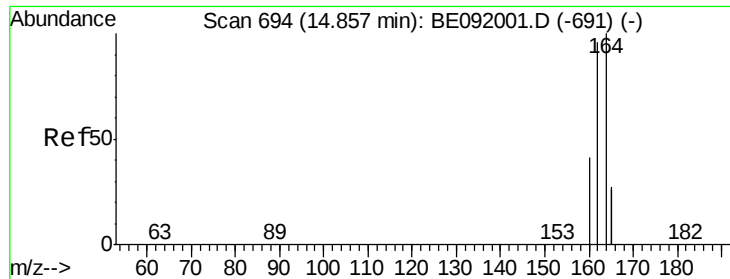
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#14
2-Methylnaphthalene
Concen: 4.04 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.01 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

Tgt Ion: 142 Resp: 77870
Ion Ratio Lower Upper
142 100
141 90.5 71.9 107.9
115 37.7 29.9 44.9





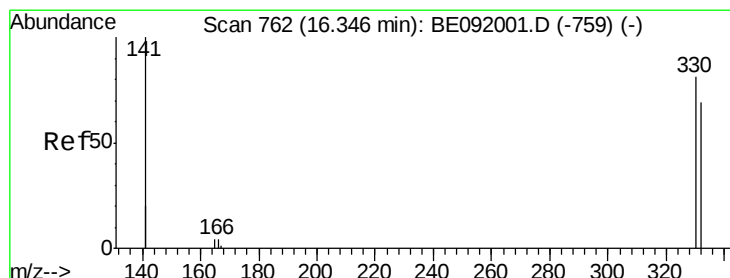
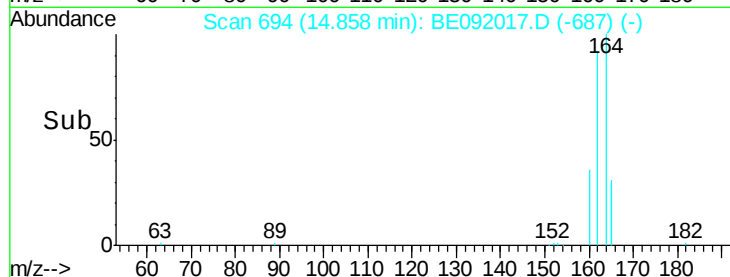
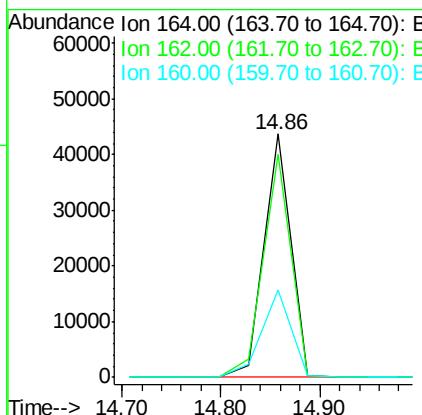
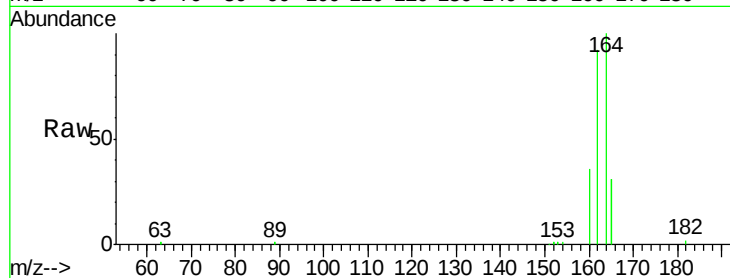
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

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

Tgt Ion:164 Resp: 82860
Ion Ratio Lower Upper
164 100
162 91.6 71.8 107.8
160 36.0 28.0 42.0

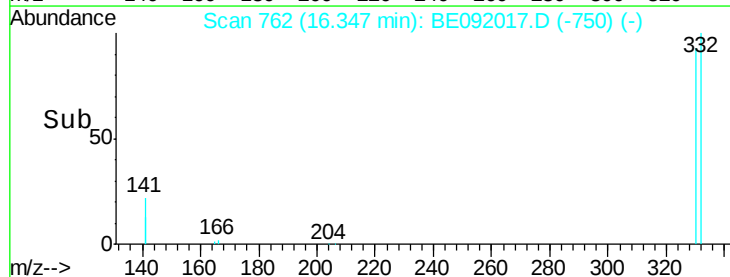
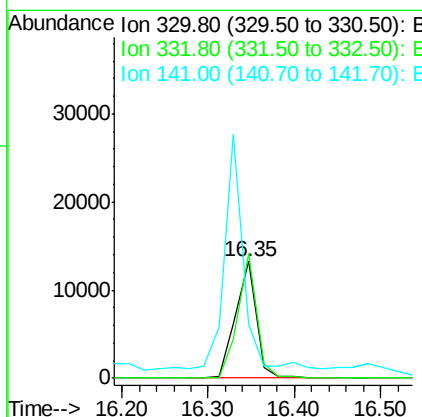
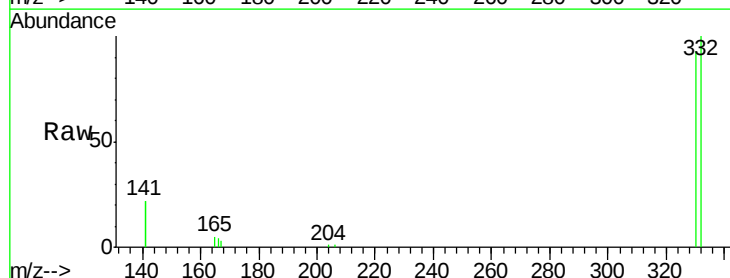
Manual Integrations

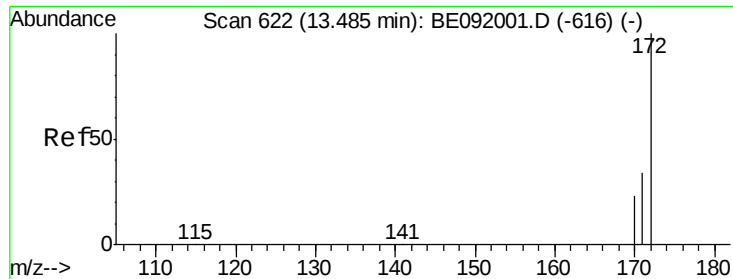
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#16
2,4,6-Tribromophenol
Concen: 7.58 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

Tgt Ion:330 Resp: 21774
Ion Ratio Lower Upper
330 100
332 98.1 77.0 115.6
141 178.0 138.4 207.6





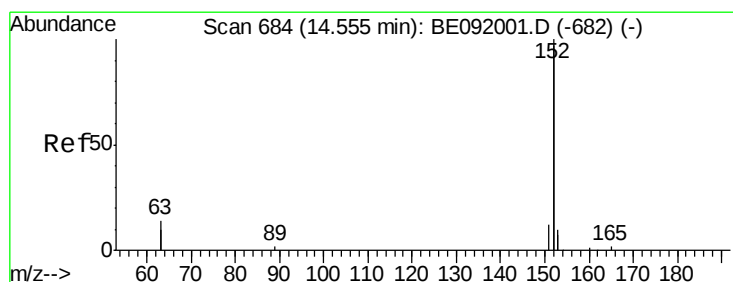
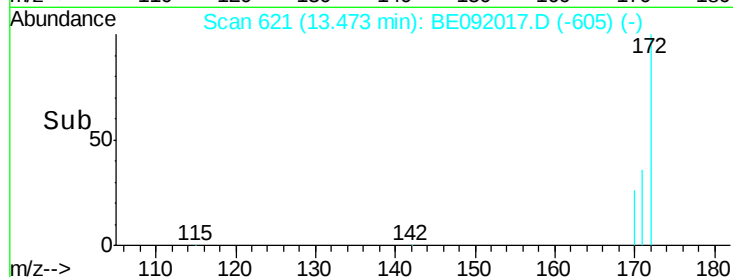
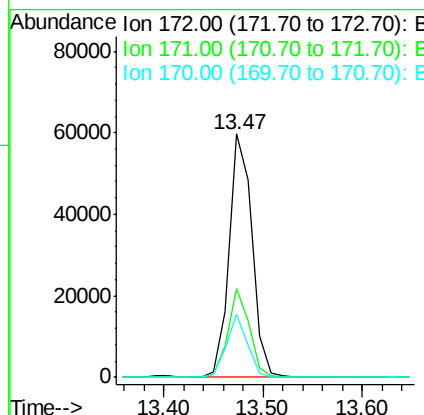
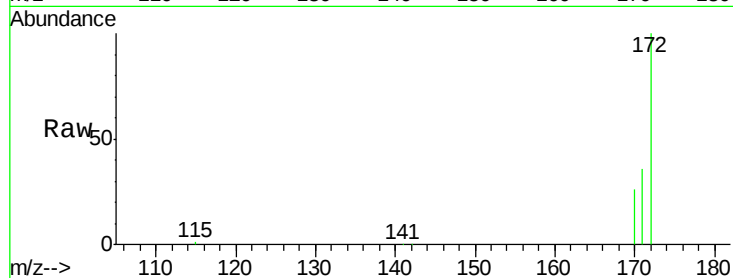
#17
2-Fluorobiphenyl
Concen: 4.36 ng
RT: 13.47 min Scan# 621
Delta R.T. -0.01 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

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

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	24.3	36.5
170	25.9	14.9	22.3

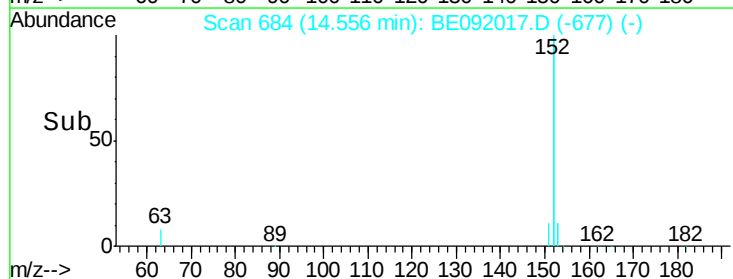
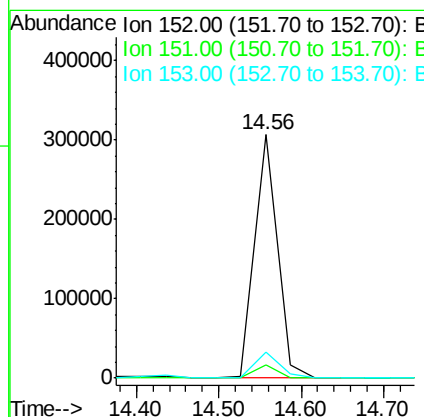
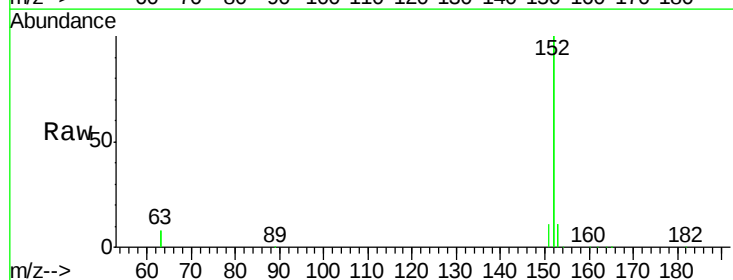
Manual Integrations

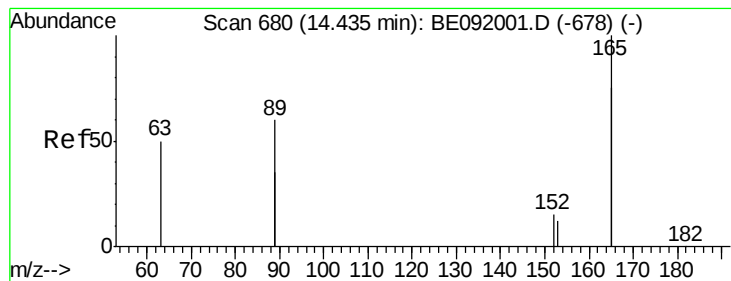
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#18
Acenaphthylene
Concen: 4.61 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.4	19.4	29.2
153	11.7	14.4	21.6





#19

2,6-Dinitrotoluene

Concen: 4.39 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD

Tgt Ion:165 Resp: 104794
Ion Ratio Lower Upper

165 100

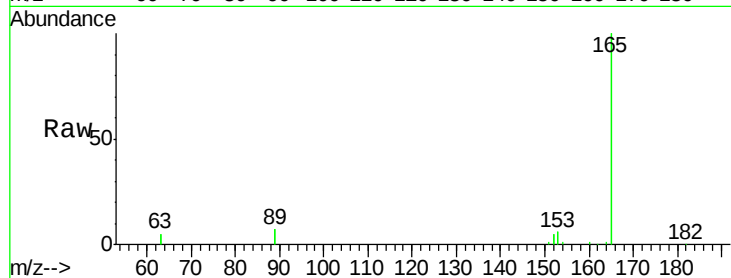
63 0.0 65.9 98.9#

89 0.0 59.1 88.7#

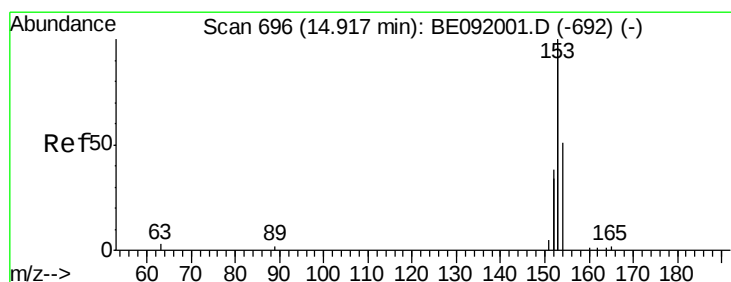
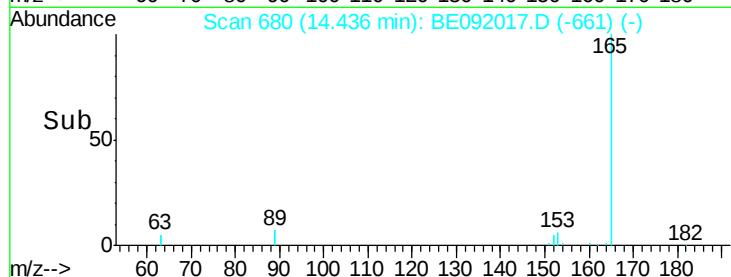
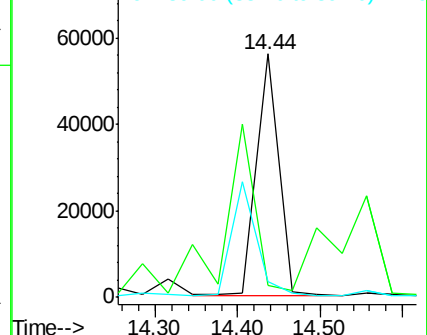
Manual Integrations

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 3.99 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE092017.D

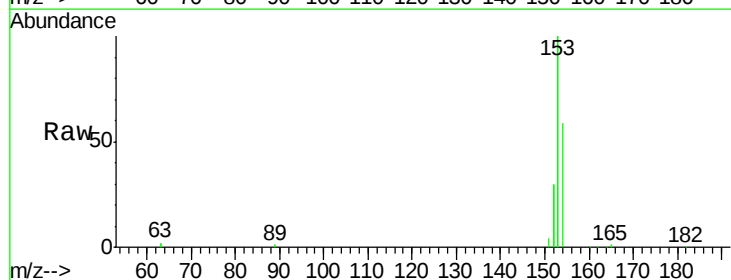
Acq: 22 Jul 2016 22:03

Tgt Ion:154 Resp: 86165
Ion Ratio Lower Upper

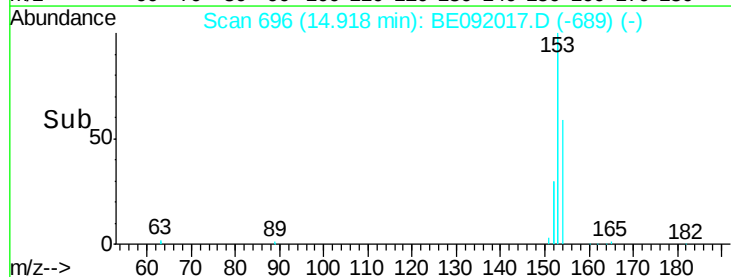
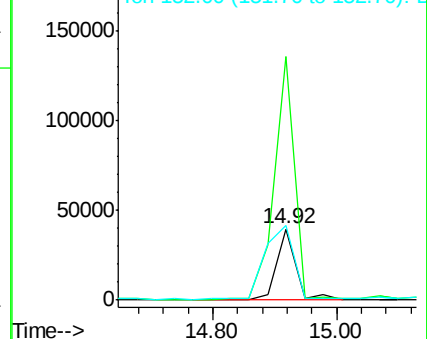
154 100

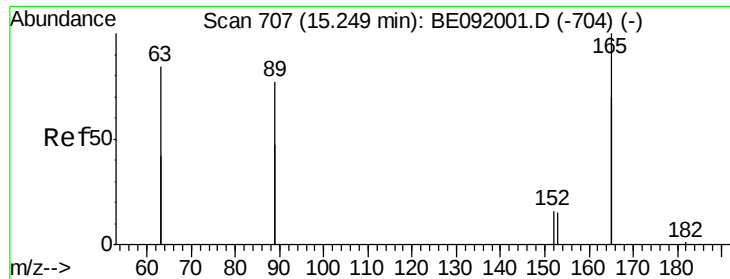
153 354.9 88.1 132.1#

152 156.4 44.2 66.2#



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





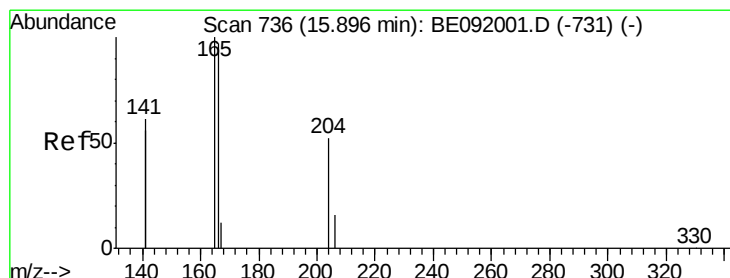
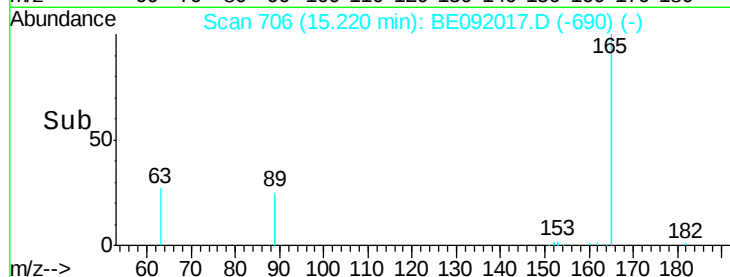
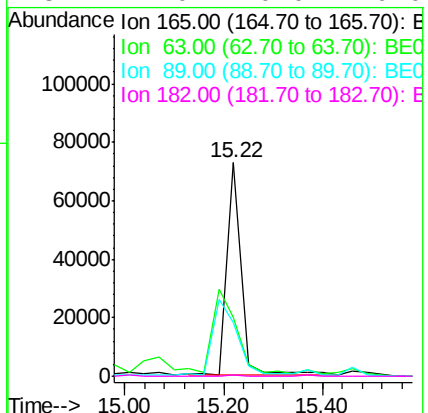
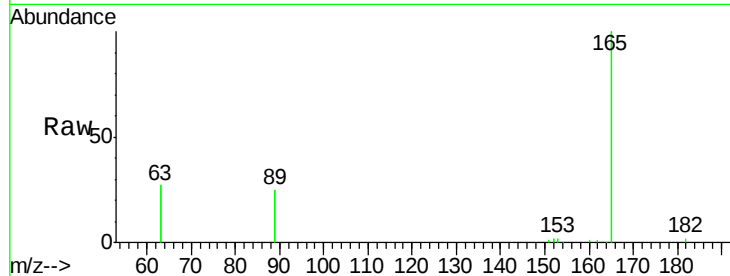
#21
2,4-Dinitrotoluene
Concen: 4.37 ng
RT: 15.22 min Scan# 706
Delta R.T. -0.03 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	0.0	0.0
89	0.0	99.8	149.8#
182	1.0	0.0	0.0#

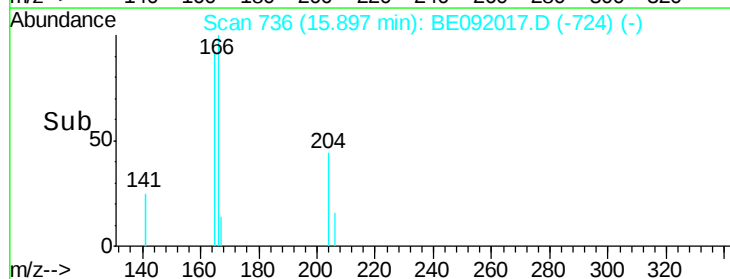
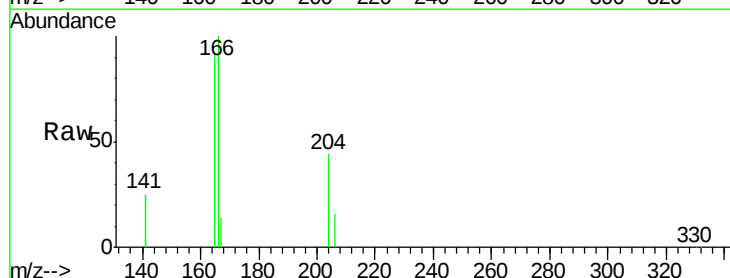
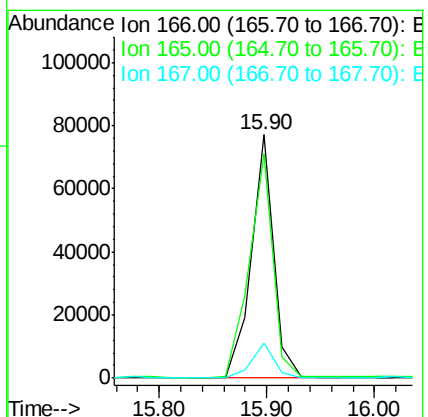
Manual Integrations

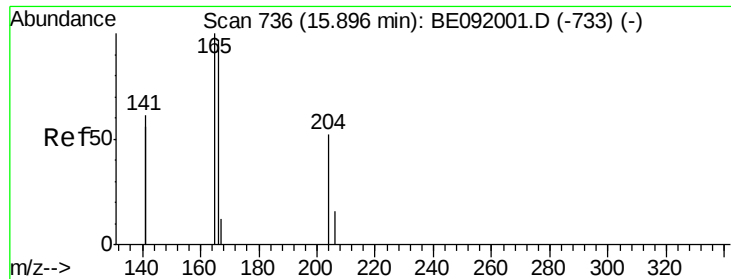
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#22
Fluorene
Concen: 4.30 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.6	117.8
167	14.9	10.8	16.2





#23

4-Chlorophenyl-phenylether

Concen: 3.80 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE092017.D

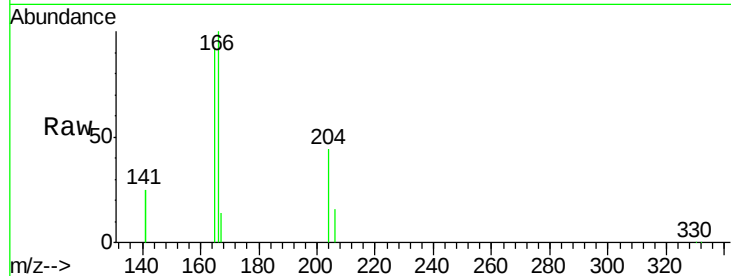
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD

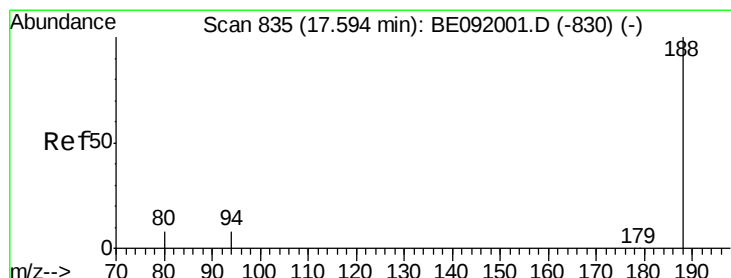
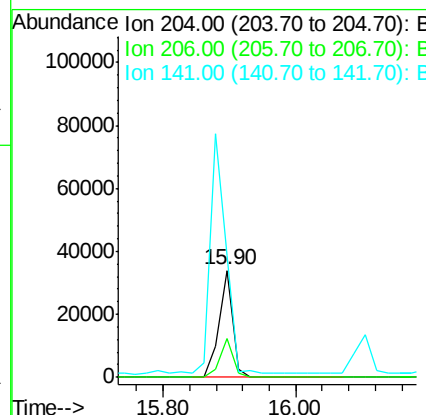
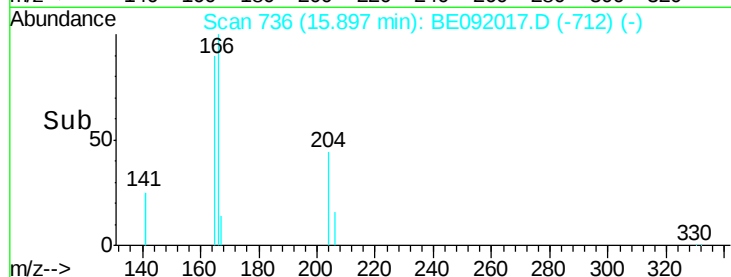


Tgt Ion:	204	Resp:	48653
Ion Ratio	Lower	Upper	
204	100		
206	34.4	27.8	41.6
141	255.1	197.6	296.4

Manual Integrations

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#24

Phenanthrene-d10

Concen: 5.00 ng

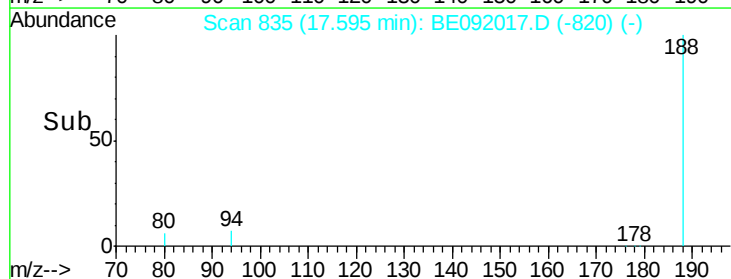
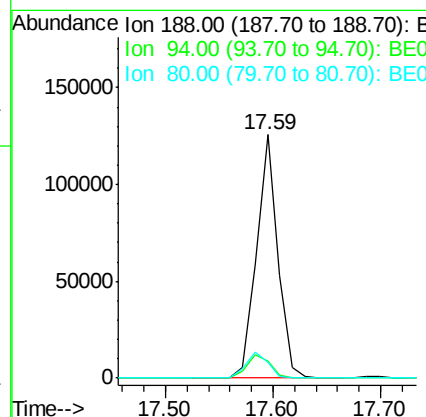
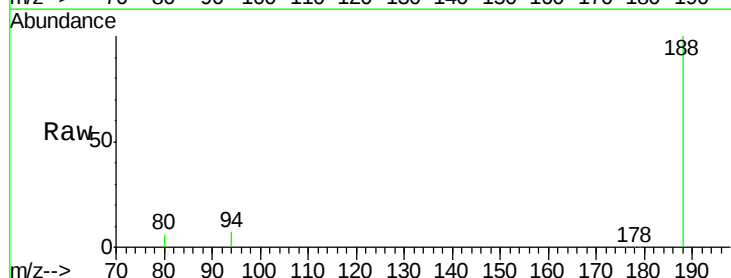
RT: 17.59 min Scan# 835

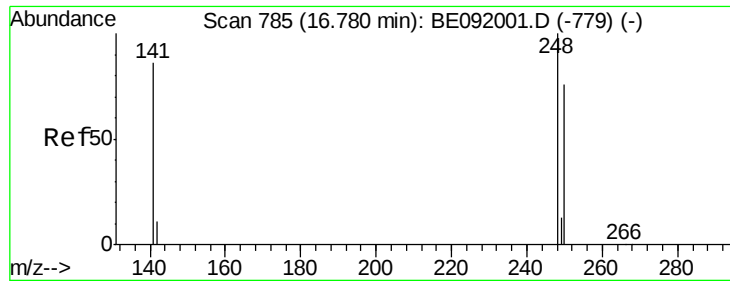
Delta R.T. 0.00 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

Tgt Ion:	188	Resp:	172807
Ion Ratio	Lower	Upper	
188	100		
94	7.1	4.1	6.1#
80	6.3	3.4	5.2#





#25

4-Bromophenyl-phenylether

Concen: 4.33 ng

RT: 16.78 min Scan# 785

Delta R.T. 0.00 min

Lab File: BE092017.D

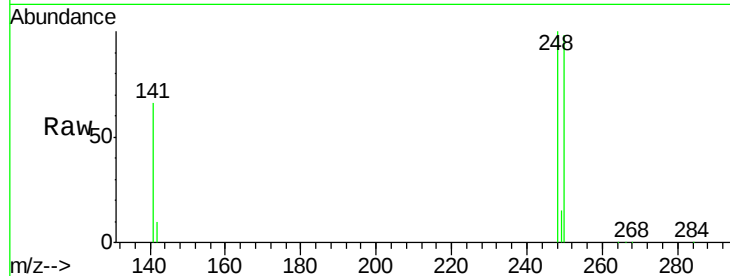
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD

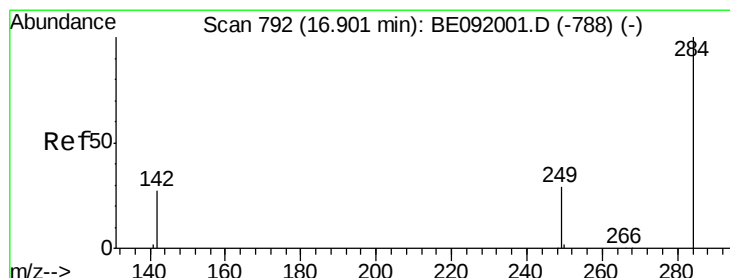
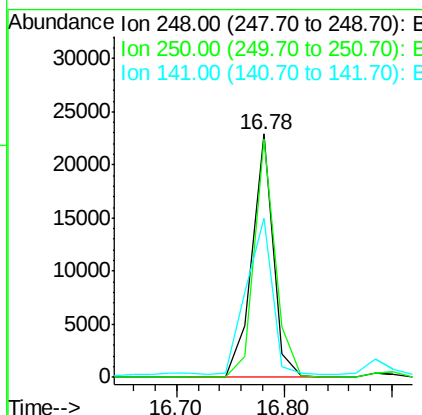
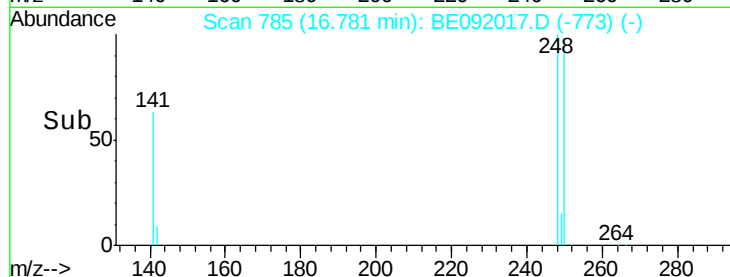


Tgt Ion:	248	Resp:	31162
Ion Ratio	Lower	Upper	
248	100		
250	97.3	75.7	113.5
141	78.5	64.6	97.0

Manual Integrations

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#26

Hexachlorobenzene

Concen: 4.04 ng

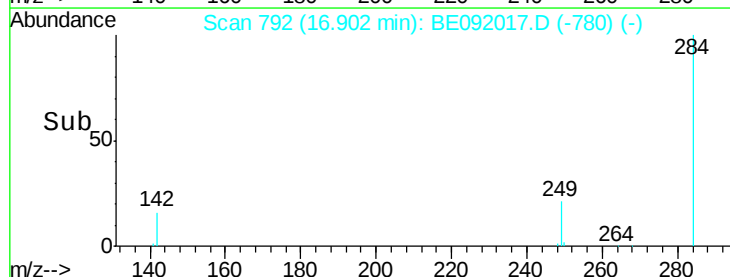
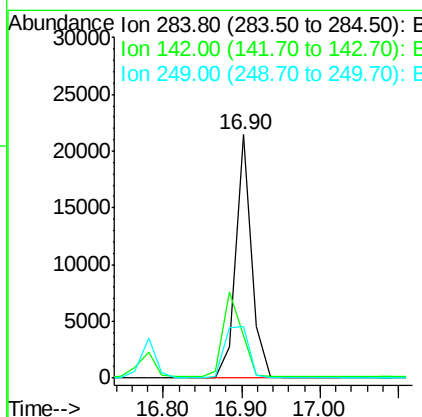
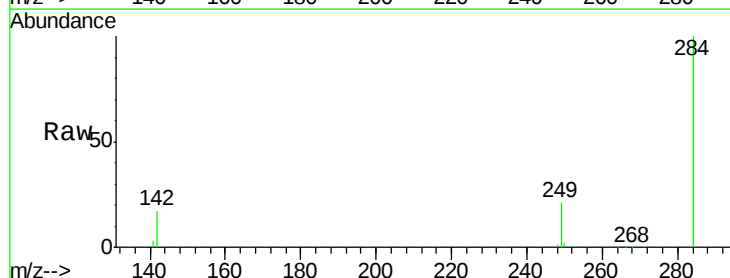
RT: 16.90 min Scan# 792

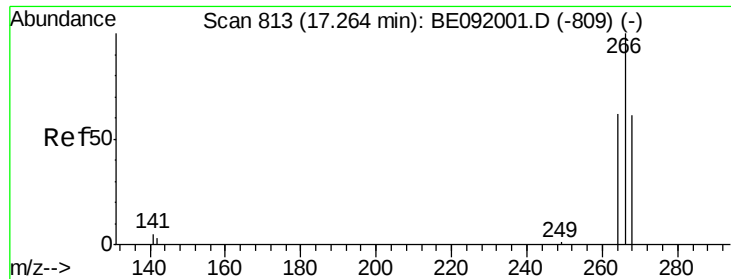
Delta R.T. 0.00 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

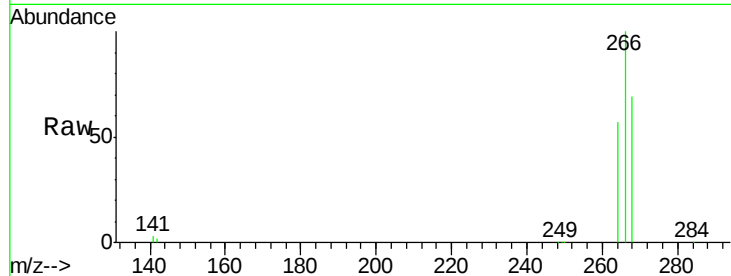
Tgt Ion:	284	Resp:	29942
Ion Ratio	Lower	Upper	
284	100		
142	40.1	31.4	47.2
249	31.6	25.3	37.9





#27
 Pentachlorophenol
 Concen: 7.81 ng
 RT: 17.25 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BE092017.D
 Acq: 22 Jul 2016 22:03

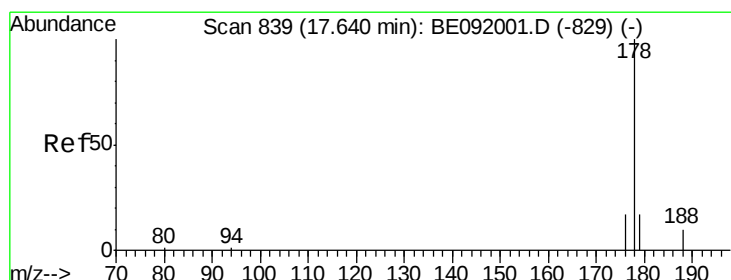
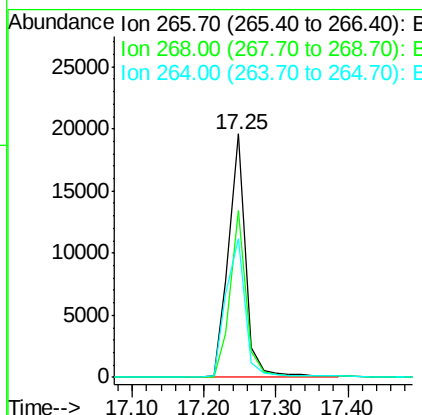
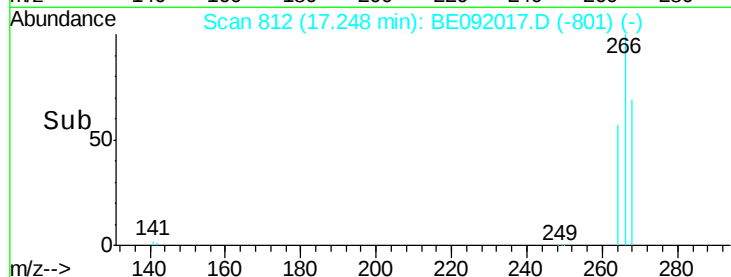
Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0MSD



Tgt Ion: 266 Resp: 32403
 Ion Ratio Lower Upper
 266 100
 268 68.6 60.5 90.7
 264 56.8 51.0 76.4

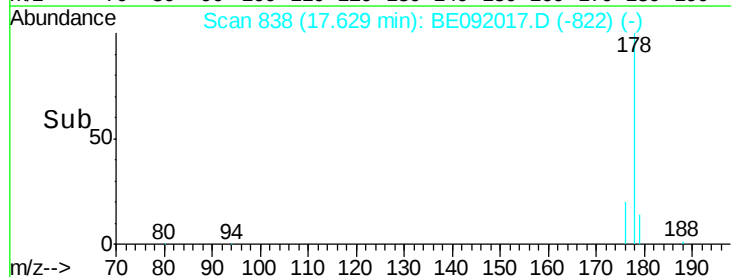
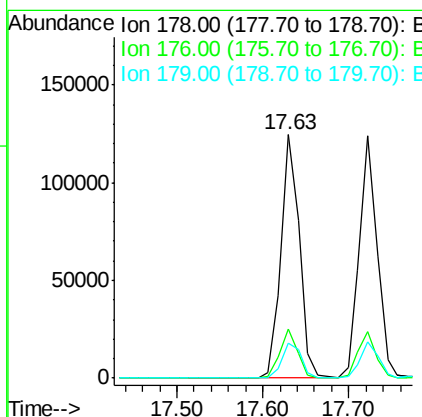
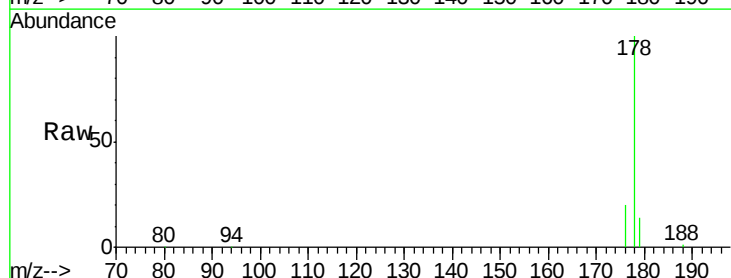
Manual Integrations

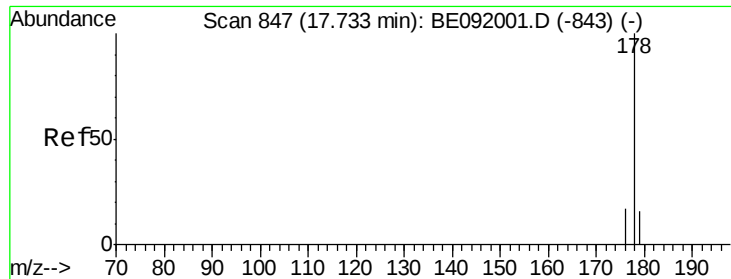
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#28
 Phenanthrene
 Concen: 4.12 ng
 RT: 17.63 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BE092017.D
 Acq: 22 Jul 2016 22:03

Tgt Ion: 178 Resp: 183909
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.6 12.9 19.3





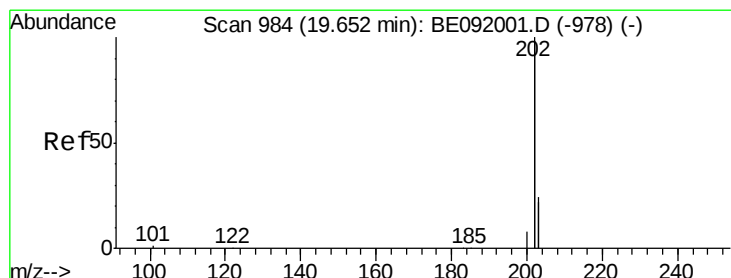
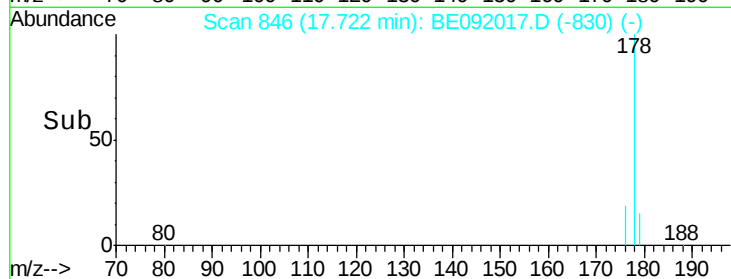
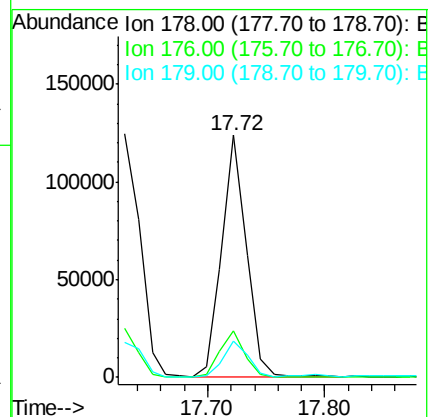
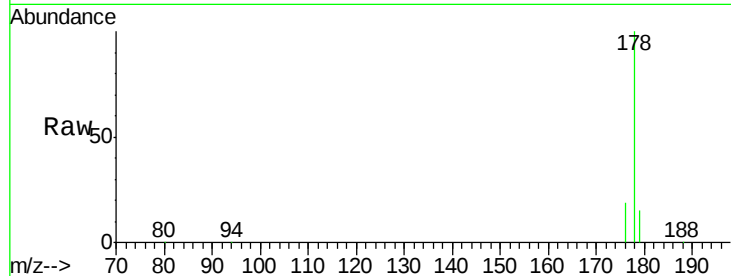
#29
 Anthracene
 Concen: 4.41 ng
 RT: 17.72 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BE092017.D
 Acq: 22 Jul 2016 22:03

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

Tgt Ion:178 Resp: 178421
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.0 12.1 18.1

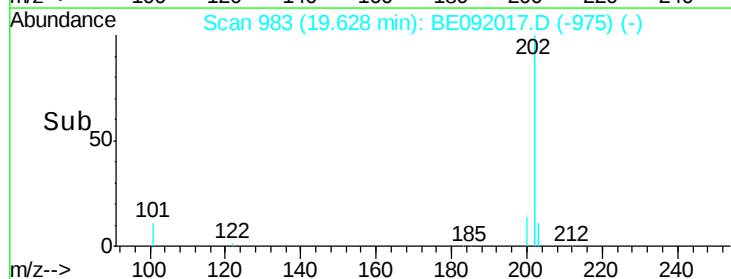
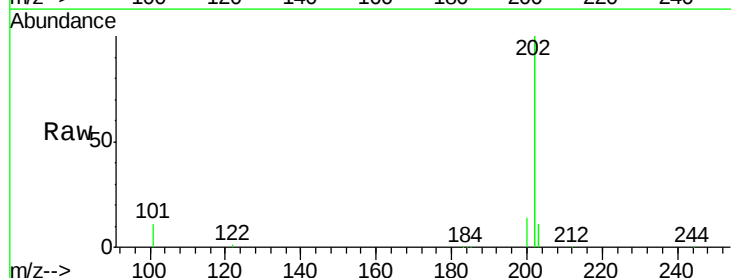
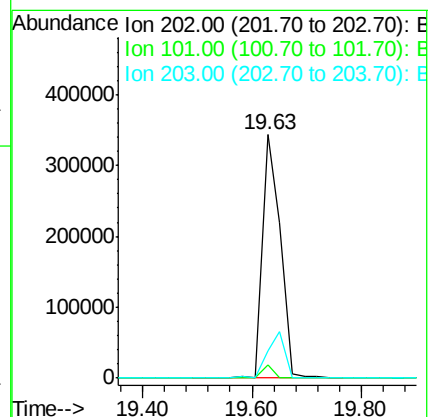
Manual Integrations

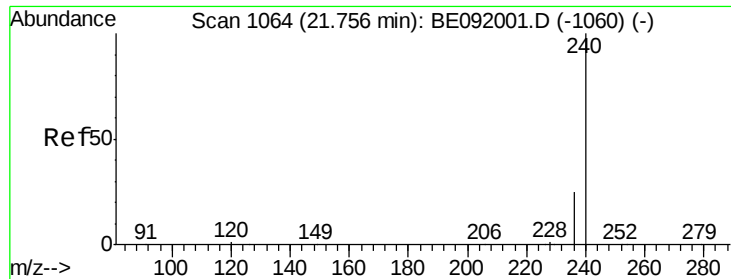
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#30
 Fluoranthene
 Concen: 4.40 ng
 RT: 19.63 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: BE092017.D
 Acq: 22 Jul 2016 22:03

Tgt Ion:202 Resp: 785292
 Ion Ratio Lower Upper
 202 100
 101 3.5 9.4 14.0#
 203 0.0 14.3 21.5#





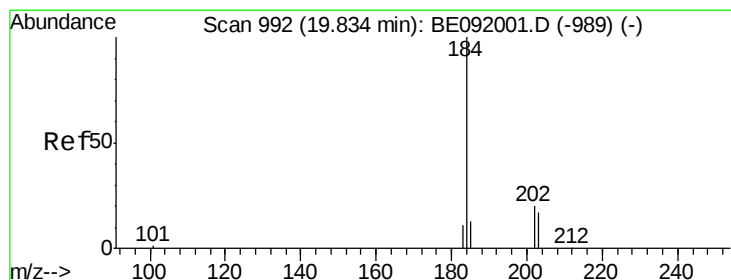
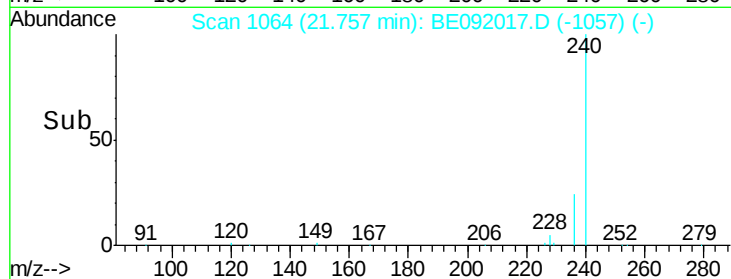
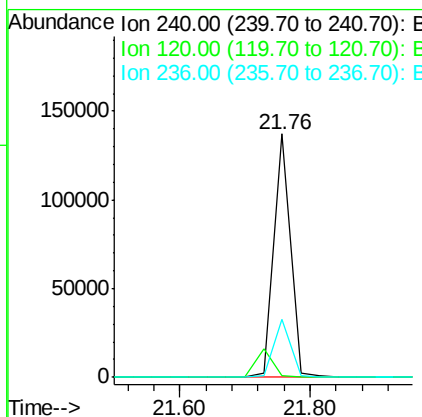
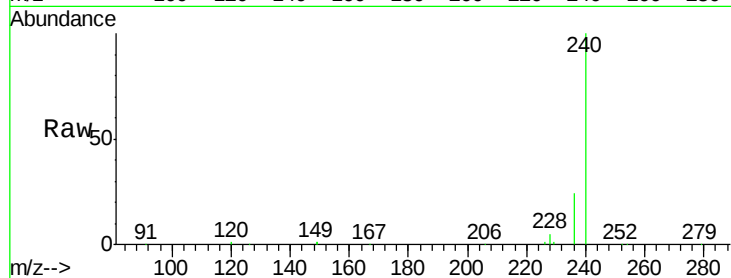
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

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

Tgt Ion:240 Resp: 246205
Ion Ratio Lower Upper
240 100
120 0.6 1.2 1.8#
236 23.9 19.8 29.8

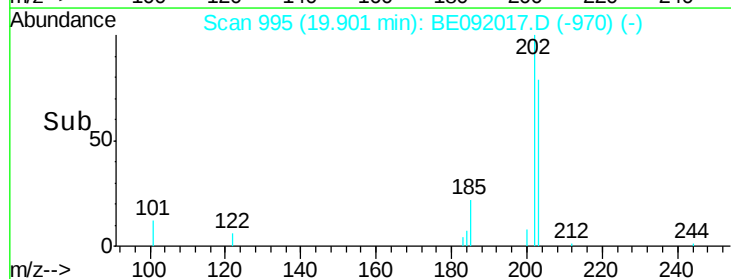
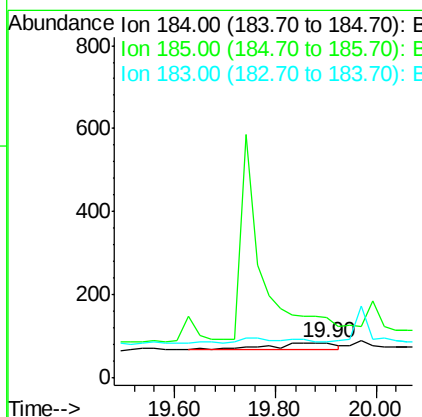
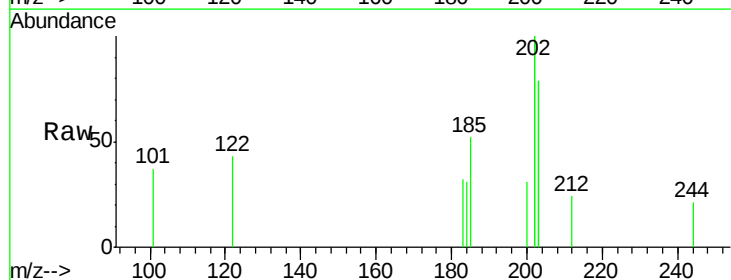
Manual Integrations

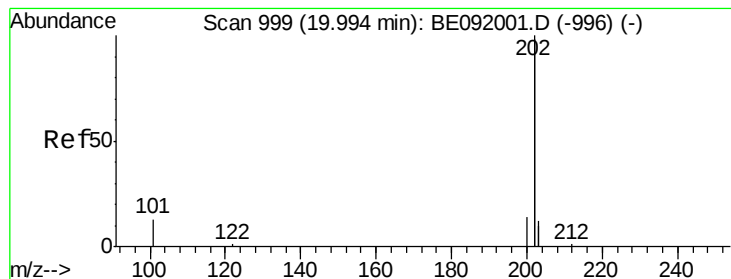
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#32
Benzidine
Concen: 0.20 ng
RT: 19.90 min Scan# 995
Delta R.T. 0.07 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

Tgt Ion:184 Resp: 165
Ion Ratio Lower Upper
184 100
185 170.6 11.4 17.2#
183 103.5 11.8 17.6#





#33

Pyrene

Concen: 5.07 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092017.D

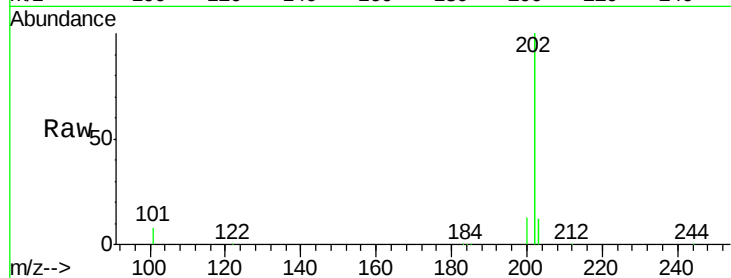
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD

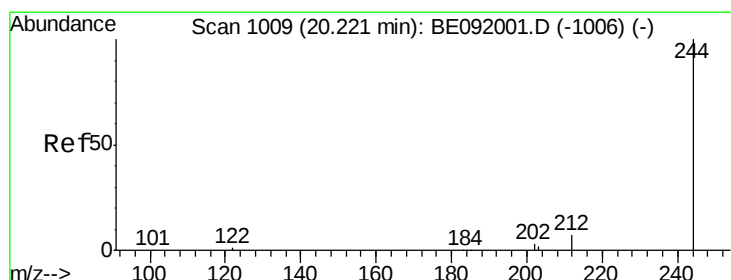
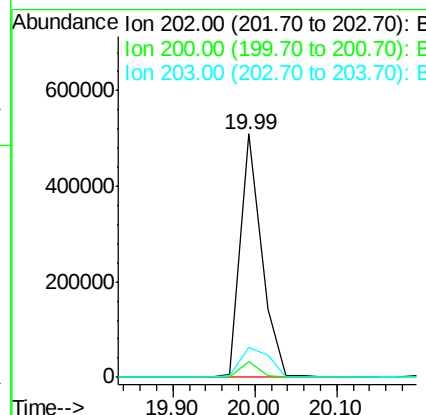
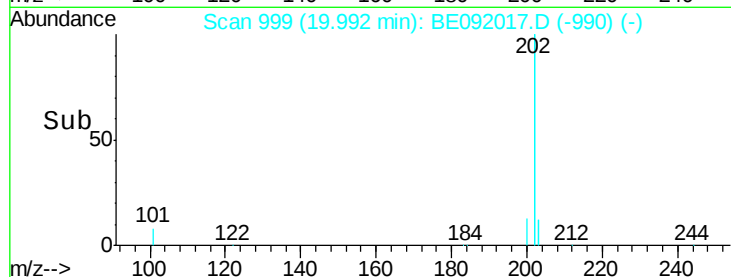


Tgt Ion:	202	Resp:	906547
Ion Ratio	Lower	Upper	
202	100		
200	5.8	16.9	25.3#
203	17.0	14.1	21.1

Manual Integrations

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#34

Terphenyl-d14

Concen: 5.33 ng

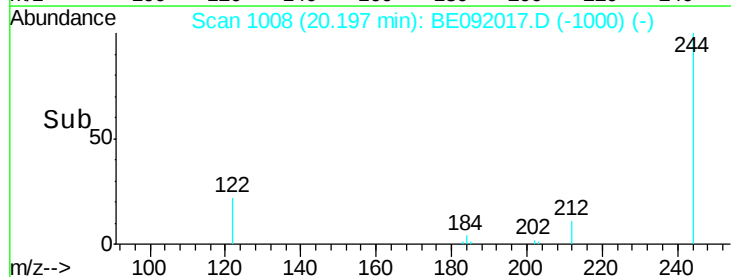
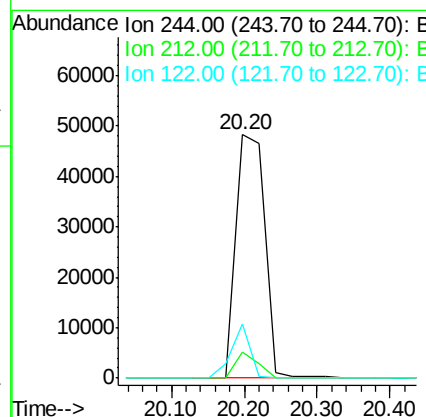
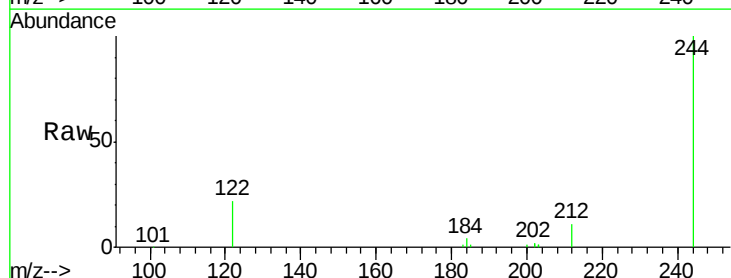
RT: 20.20 min Scan# 1008

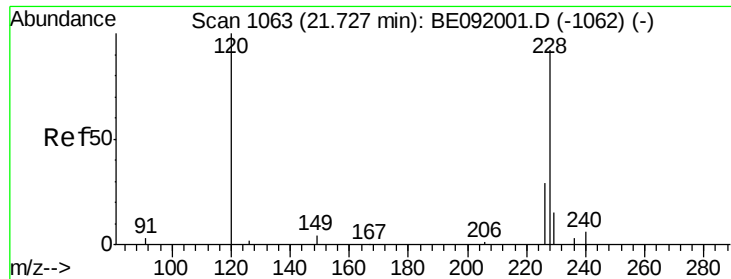
Delta R.T. -0.02 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

Tgt Ion:	244	Resp:	131755
Ion Ratio	Lower	Upper	
244	100		
212	10.8	6.5	9.7#
122	22.1	2.9	4.3#





#35

Benzo(a)anthracene

Concen: 5.66 ng m

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092017.D

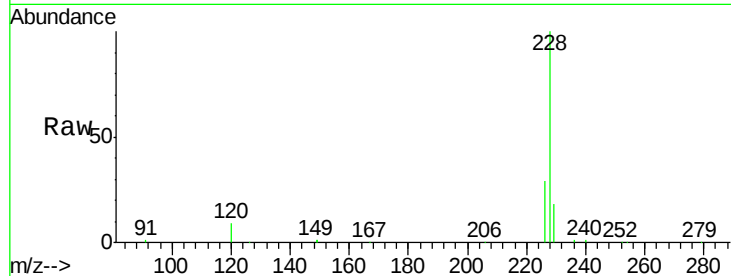
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD

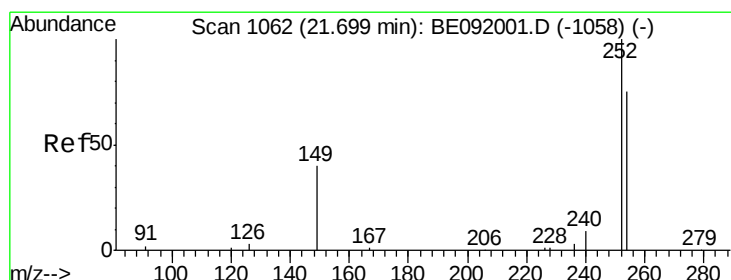
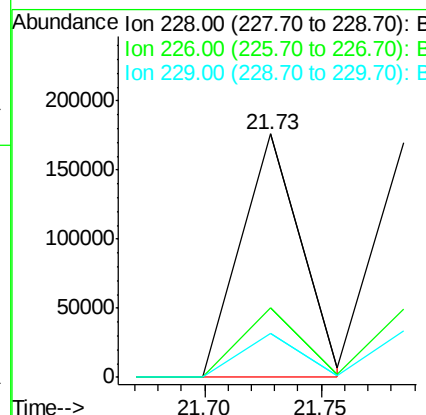


Tgt Ion:	228	Resp:	313973
Ion Ratio	Lower	Upper	
228	100		
226	28.5	21.0	31.4
229	18.1	15.8	23.8

Manual Integrations

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#36

3,3'-Dichlorobenzidine

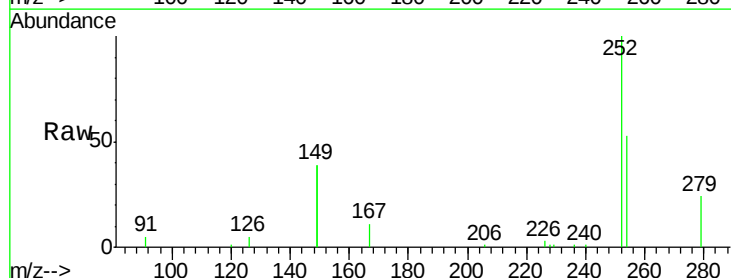
Concen: 2.75 ng

RT: 21.67 min Scan# 1061

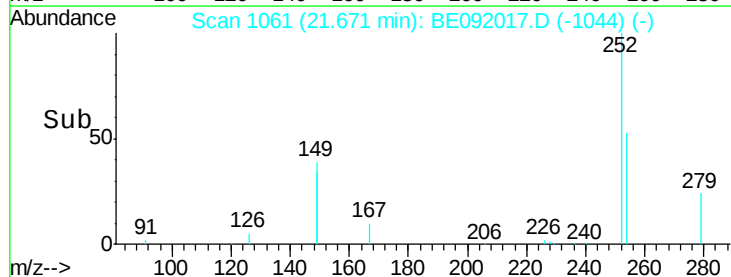
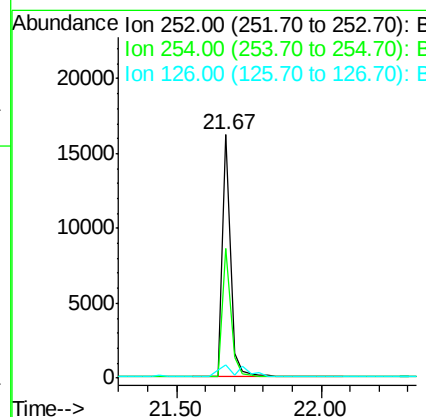
Delta R.T. -0.03 min

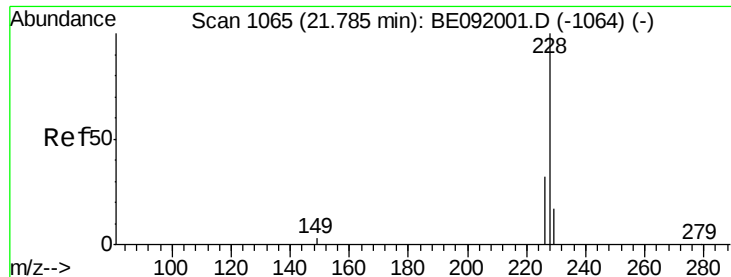
Lab File: BE092017.D

Acq: 22 Jul 2016 22:03



Tgt Ion:	252	Resp:	32479
Ion Ratio	Lower	Upper	
252	100		
254	53.2	61.5	92.3#
126	5.4	2.5	3.7#





#37

Chrysene

Concen: 4.45 ng m

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE092017.D

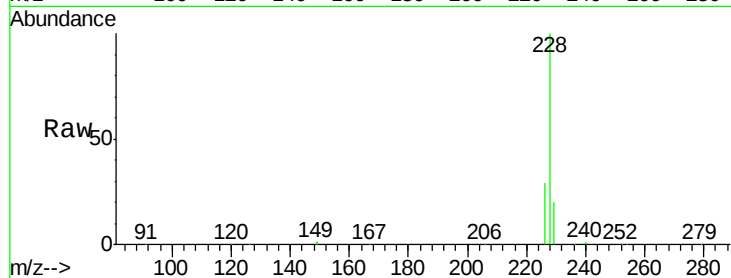
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD



Tgt Ion: 228 Resp: 300506

Ion Ratio Lower Upper

228 100

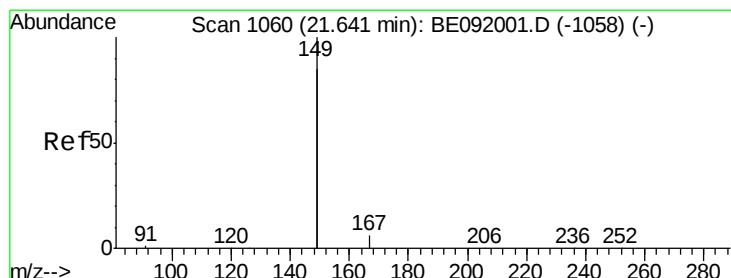
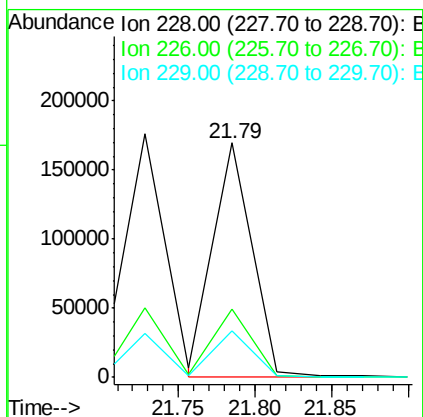
226 29.0 27.0 40.6

229 20.0 13.8 20.8

Manual Integrations

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#38

Bis(2-ethylhexyl)phthalate

Concen: 11.91 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

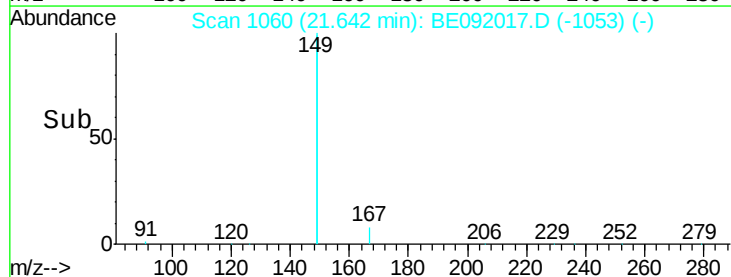
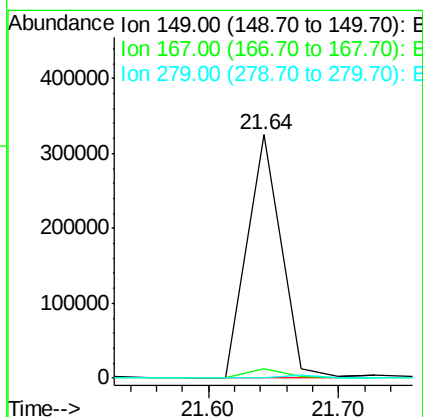
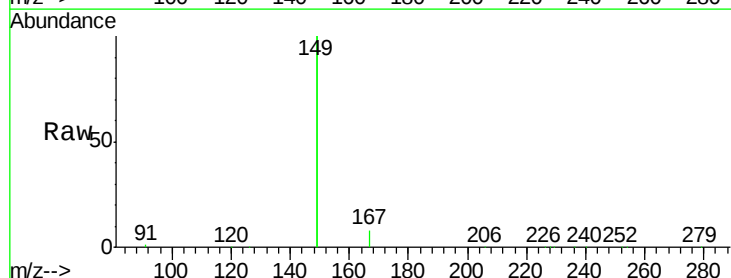
Tgt Ion: 149 Resp: 578305

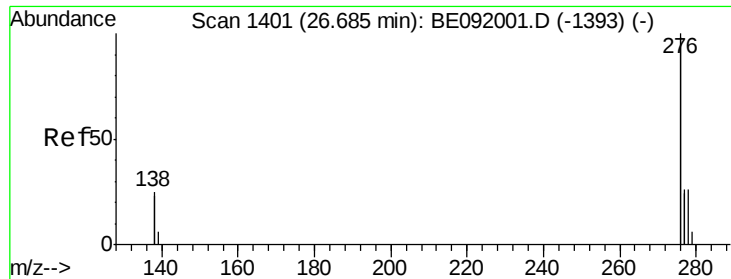
Ion Ratio Lower Upper

149 100

167 4.3 0.0 0.0#

279 0.0 0.0 0.0





#39

Indeno(1,2,3-cd)pyrene

Concen: 5.45 ng

RT: 26.67 min Scan# 1399

Delta R.T. -0.02 min

Lab File: BE092017.D

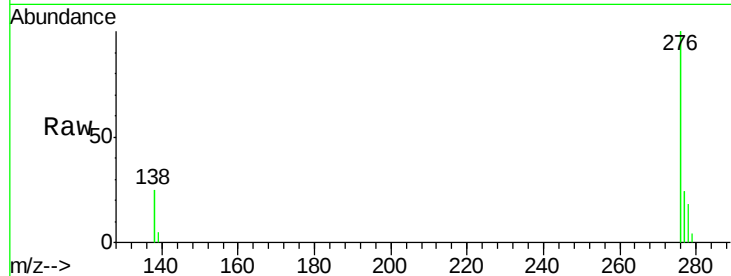
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD



Tgt Ion:276 Resp: 1010736

Ion Ratio Lower Upper

276 100

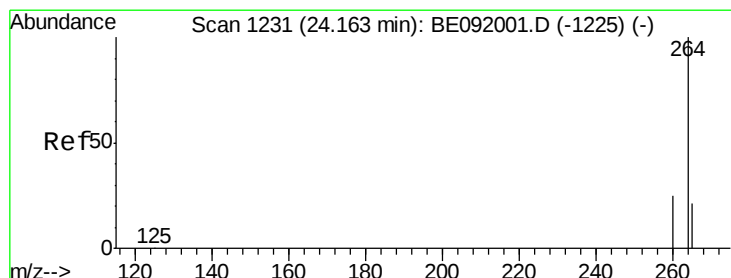
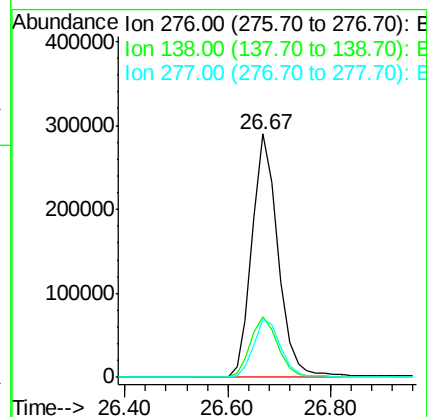
138 26.2 19.7 29.5

277 24.8 20.1 30.1

Manual Integrations

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#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE092017.D

Acq: 22 Jul 2016 22:03

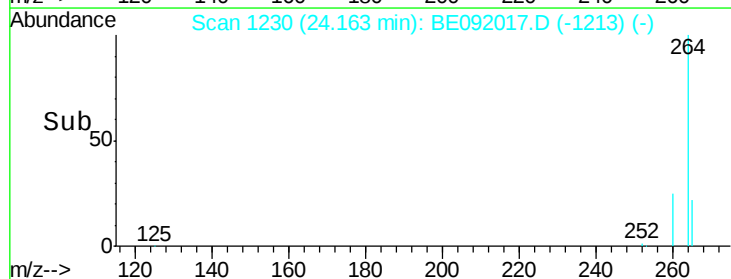
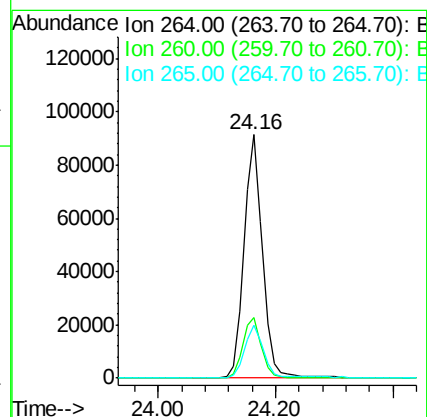
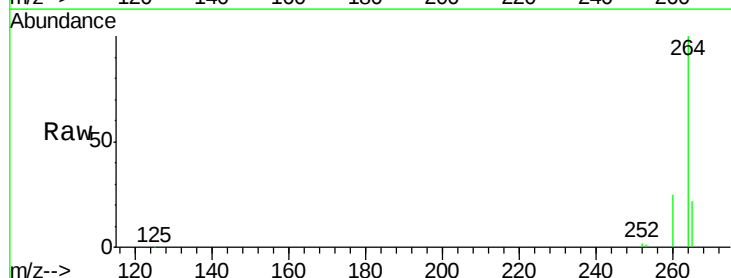
Tgt Ion:264 Resp: 197652

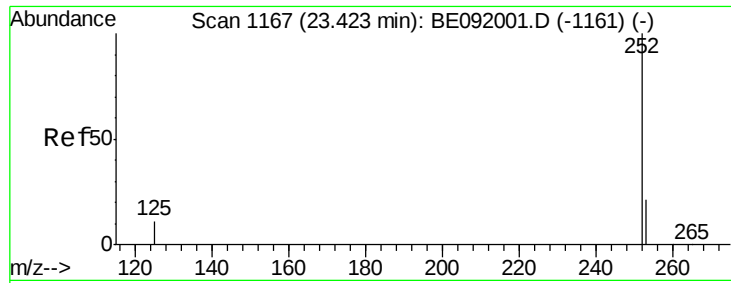
Ion Ratio Lower Upper

264 100

260 24.6 20.3 30.5

265 21.8 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 4.67 ng

RT: 23.42 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE092017.D

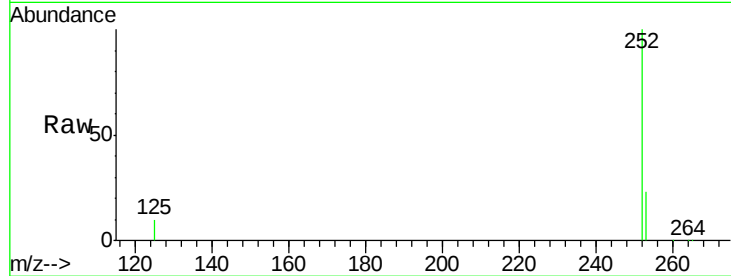
Acq: 22 Jul 2016 22:03

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MSD

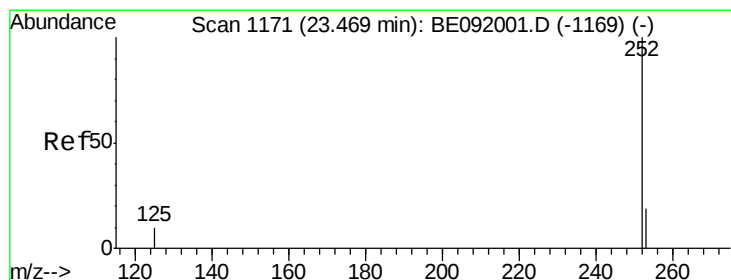
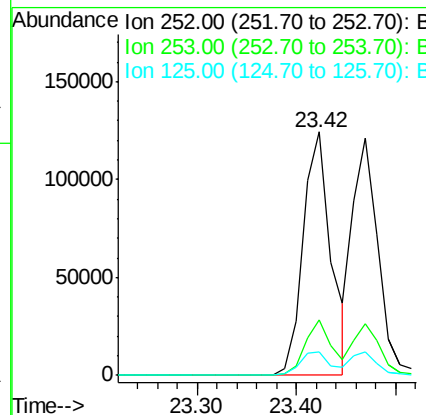


Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	9.5	9.4	14.2

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#42

Benzo(k)fluoranthene

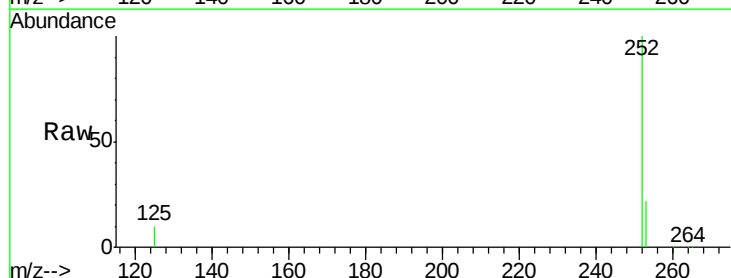
Concen: 4.11 ng

RT: 23.47 min Scan# 1170

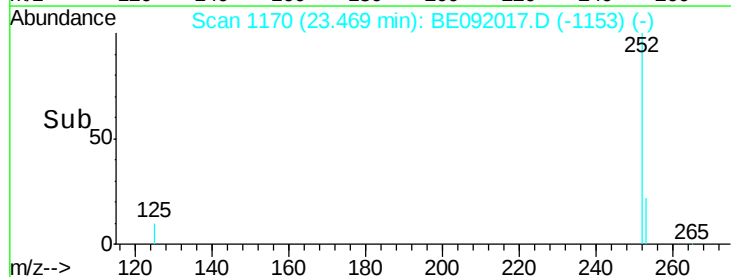
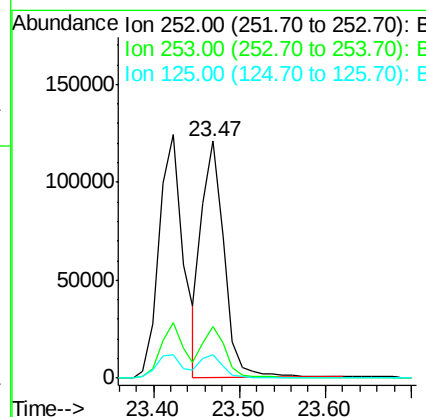
Delta R.T. -0.00 min

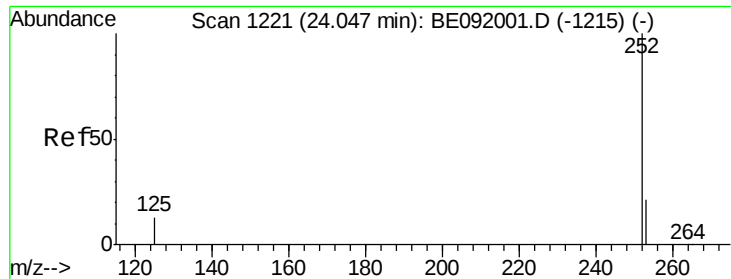
Lab File: BE092017.D

Acq: 22 Jul 2016 22:03



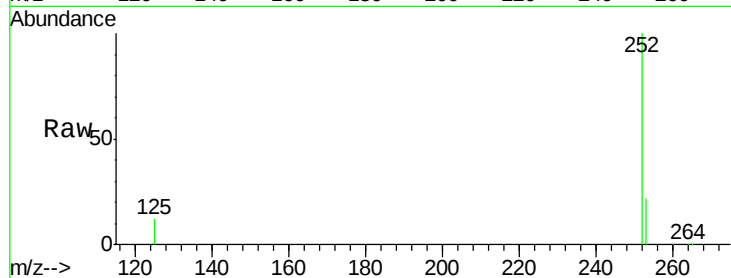
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.4	29.2
125	10.1	8.3	12.5





#43
Benzo(a)pyrene
Concen: 4.47 ng
RT: 24.05 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

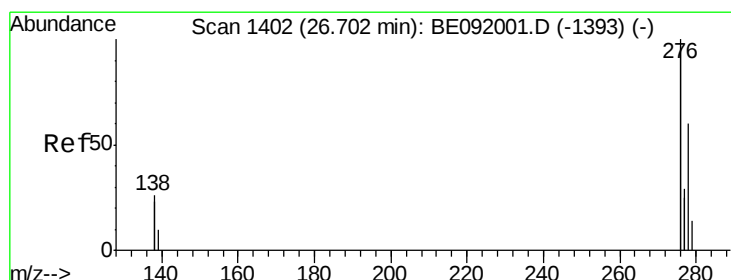
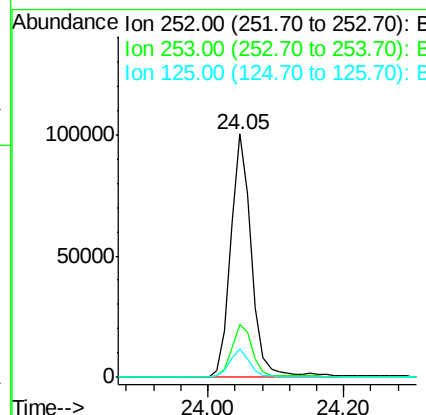
Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MSD



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.9	28.3
125	11.5	10.5	15.7

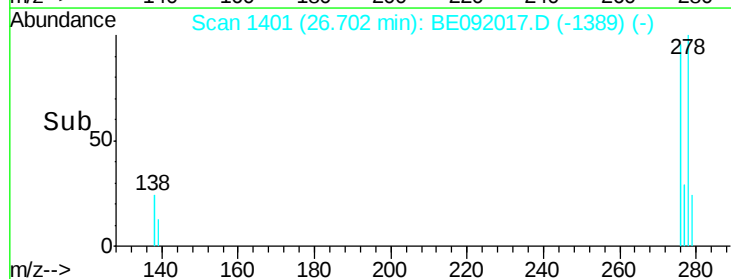
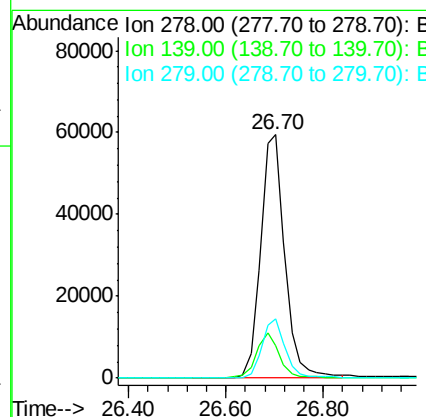
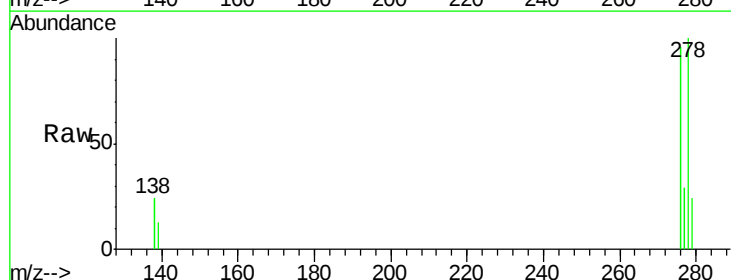
Manual Integrations

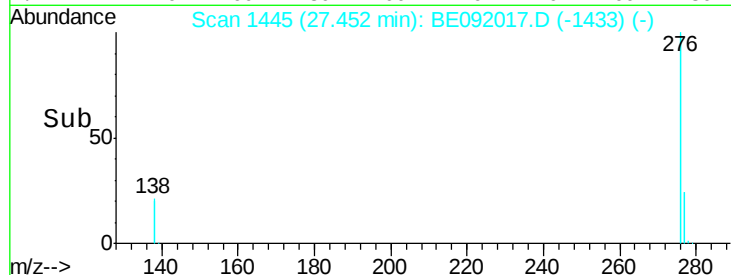
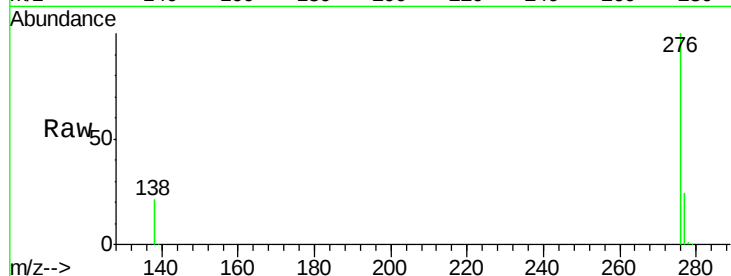
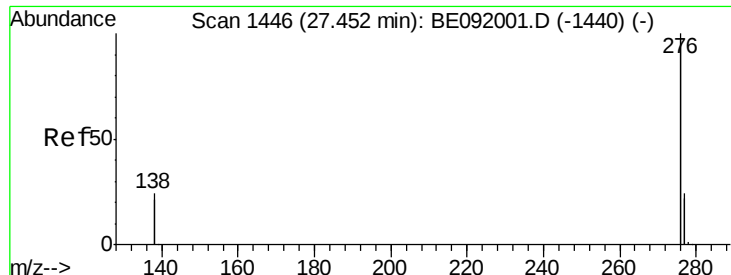
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#44
Dibenzo(a,h)anthracene
Concen: 4.84 ng
RT: 26.70 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.4	12.6	18.8
279	24.2	20.0	30.0





#45
Benzo(g,h,i)perylene
Concen: 4.80 ng
RT: 27.45 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BE092017.D
Acq: 22 Jul 2016 22:03

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

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	23.8	19.5	29.3	
138	20.6	17.7	26.5	

Manual Integrations

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