

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023668.D
 Acq On : 12 Aug 2016 22:51
 Operator : UM/SJ
 Sample : H4385-22MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-1218-01MSD

Manual Integrations
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Quant Time: Aug 15 18:00:42 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	139189	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	609019	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	422781	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	962994	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	934380	20.00	ng/ul	-0.02
83) Perylene-d12	25.28	264	955894	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	9336	2.85	ng/uL	0.00
5) Phenol-d5	7.27	99	254806	18.17	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	167097	18.60	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	183919	19.23	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	198123	18.10	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	102065	21.26	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	124797	22.64	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	220329	21.19	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	246040	20.17	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	767220	22.16	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	901882	23.15	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	125213	21.19	ng/ul	-0.02
57) Fluorene-d10	15.79	176	692669	21.66	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	119901	19.41	ng/ul	-0.02
70) Anthracene-d10	17.65	188	1017962	23.46	ng/ul	-0.01
76) Pyrene-d10	19.94	212	1083365	22.91	ng/ul	-0.02
87) Benzo(a)pyrene-d12	25.05	264	1065209	24.62	ng/ul	-0.04

Target Compounds

						Qvalue
6) Phenol	7.30	94	271347	18.58	ng/ul#	71
10) 2-Chlorophenol	7.67	128	184036m	18.89	ng/ul	
15) N-Nitroso-di-n-propylamine	8.92	70	209934	19.88	ng/ul#	88
33) 4-Chloro-3-methylphenol	12.24	107	299898m	22.22	ng/ul	
44) Dimethylphthalate	14.23	163	390626	11.40	ng/ul	98
47) Acenaphthylene	14.51	152	46801	1.15	ng/ul	95
49) Acenaphthene	14.85	153	642376	23.14	ng/ul	95
52) 4-Nitrophenol	15.02	109	121329	20.50	ng/ul#	72
54) 2,4-Dinitrotoluene	15.16	165	257898	22.90	ng/ul#	77
68) Pentachlorophenol	17.21	266	148119	22.82	ng/ul	91
69) Phenanthrene	17.59	178	335424	6.73	ng/ul	98
74) Fluoranthene	19.61	202	488296	9.56	ng/ul#	91
77) Pyrene	19.97	202	1866534	32.31	ng/ul	97
80) Benzo(a)anthracene	21.85	228	309130m	5.87	ng/ul	
82) Chrysene	21.92	228	347355	7.26	ng/ul#	95
85) Benzo(b)fluoranthene	24.20	252	326284m	6.00	ng/ul	
86) Benzo(k)fluoranthene	24.26	252	125106m	2.34	ng/ul	
88) Benzo(a)pyrene	25.13	252	282184m	5.38	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.18	276	173002m	2.80	ng/ul	
91) Benzo(g,h,i)perylene	30.39	276	193256m	3.78	ng/ul	

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

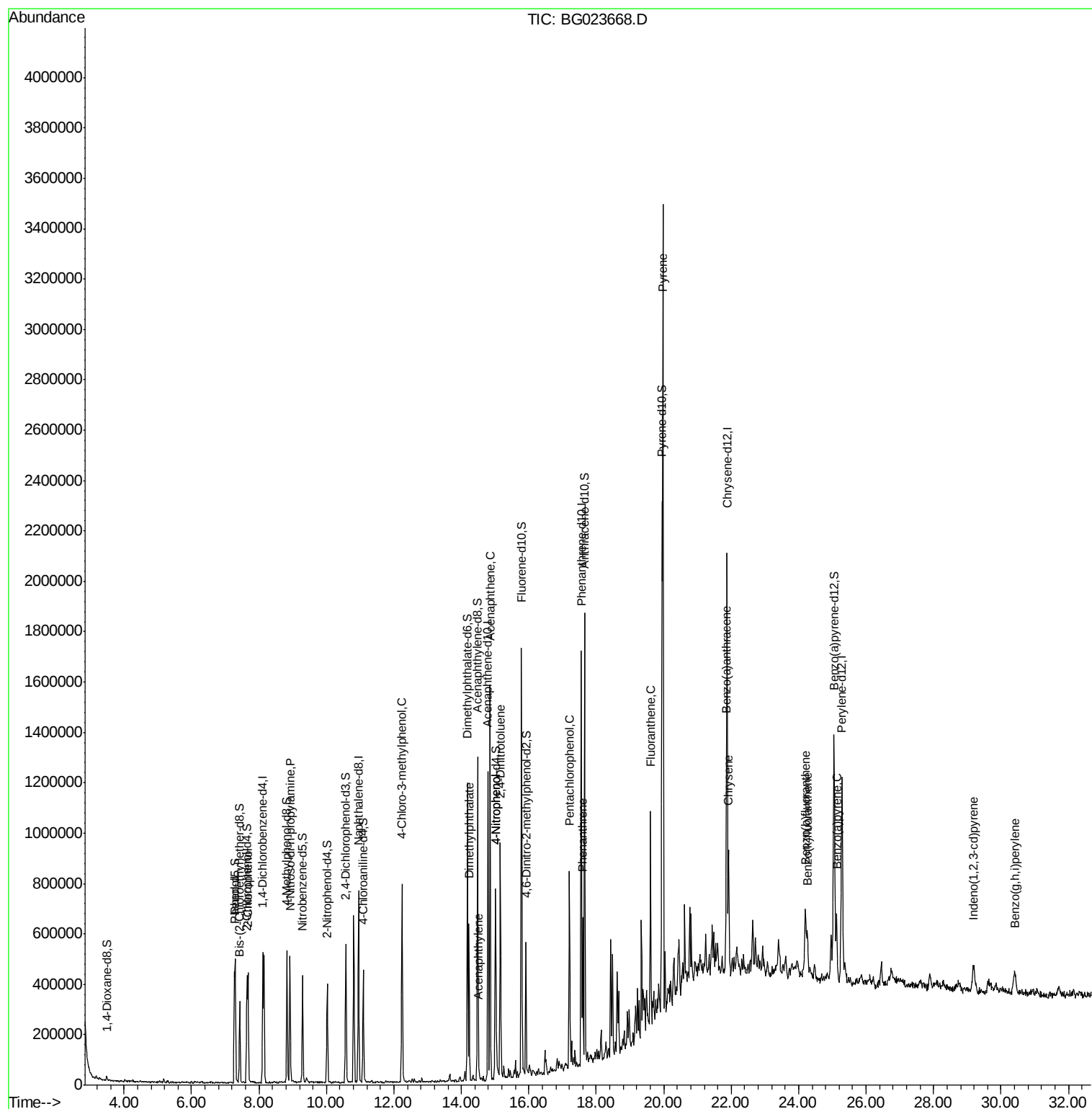
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
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ALS Vial : 22 Sample Multiplier: 1

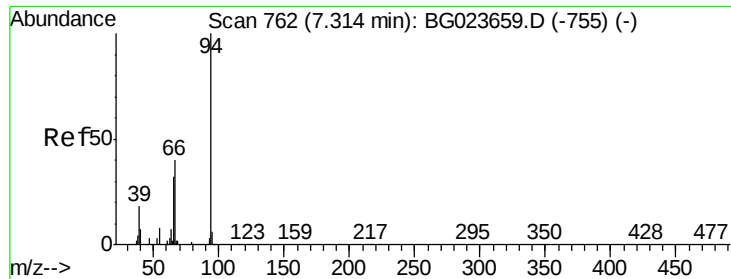
Instrument :
BNA_G
ClientSampleId :
P003-SS001-1218-01MSD

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration





#6

Phenol

Concen: 18.58 ng/ul

RT: 7.30 min Scan# 759

Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

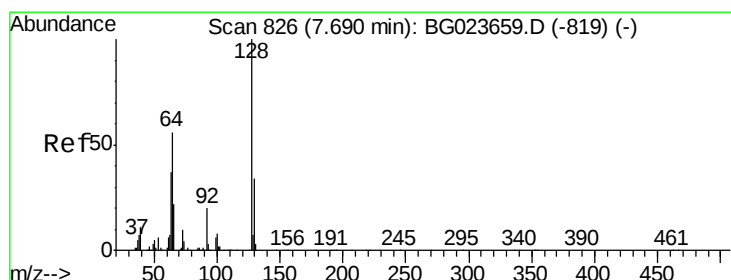
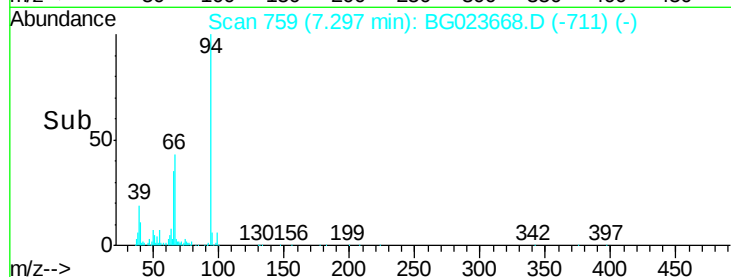
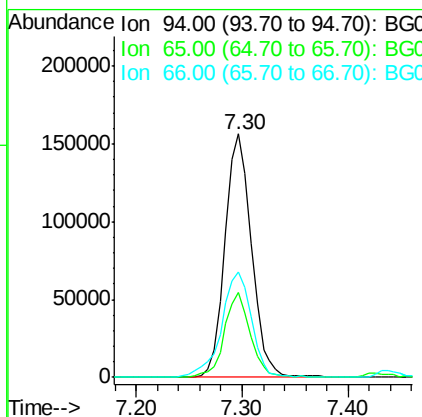
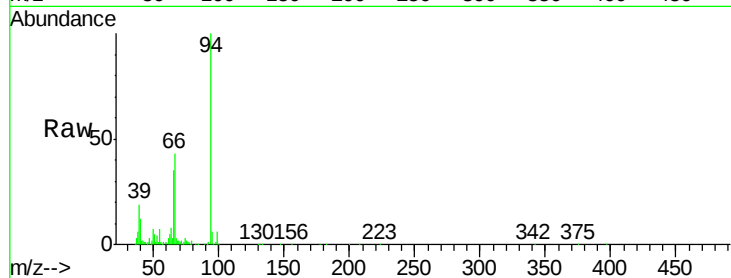
ClientSampleId :

P003-SS001-1218-01MSD

Tgt Ion:	94	Resp:	271347
Ion Ratio		Lower	Upper
94	100		
65	34.9	16.8	25.2#
66	43.1	22.6	33.8#

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#10

2-Chlorophenol

Concen: 18.89 ng/ul m

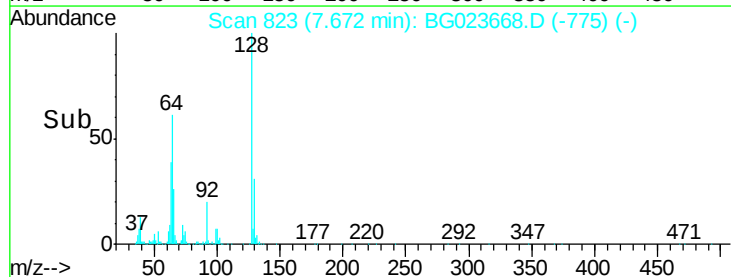
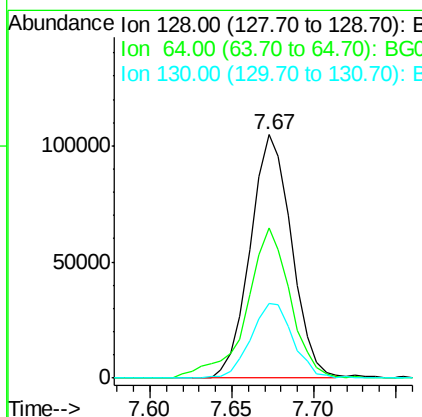
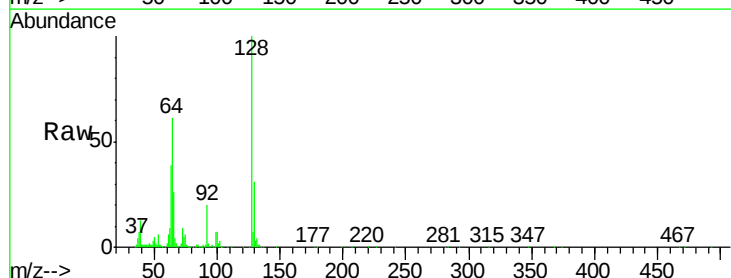
RT: 7.67 min Scan# 823

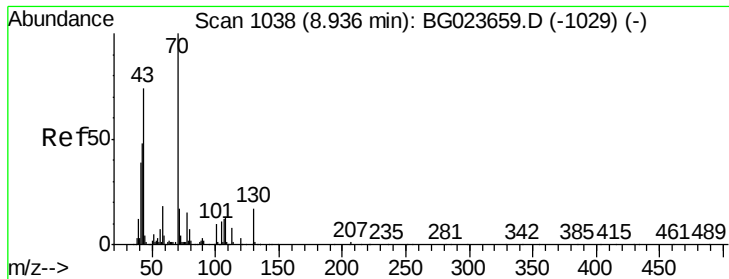
Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:	128	Resp:	184036
Ion Ratio		Lower	Upper
128	100		
64	61.5	34.2	51.4#
130	30.6	27.0	40.4





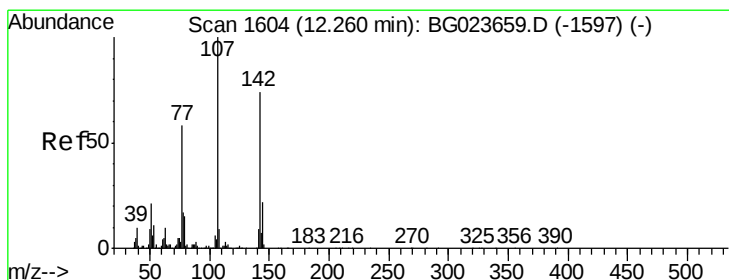
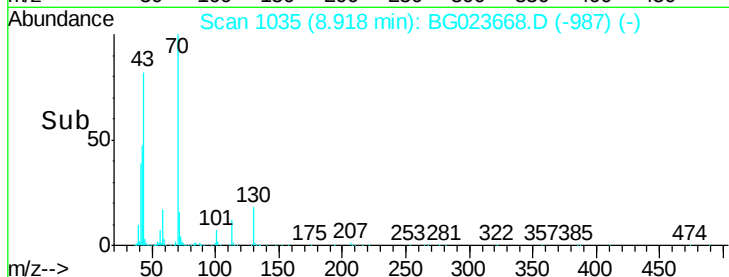
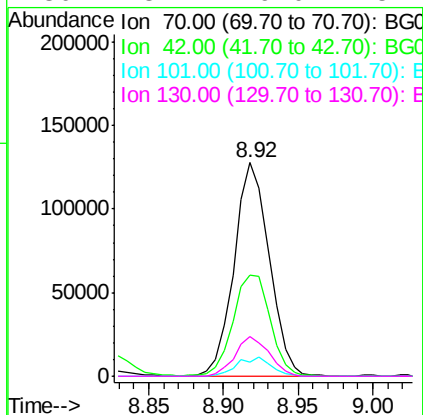
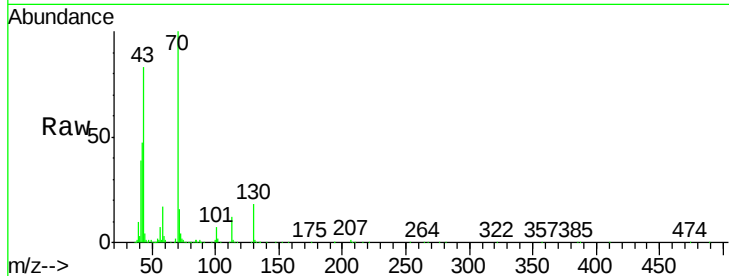
#15
N-Nitroso-di-n-propylamine
Concen: 19.88 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Instrument :
BNA_G
ClientSampleId :
P003-SS001-1218-01MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	47.3	31.4	47.2#
101	6.8	8.6	13.0#
130	18.4	19.0	28.4#

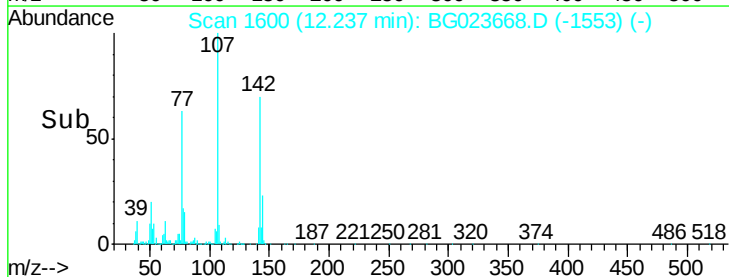
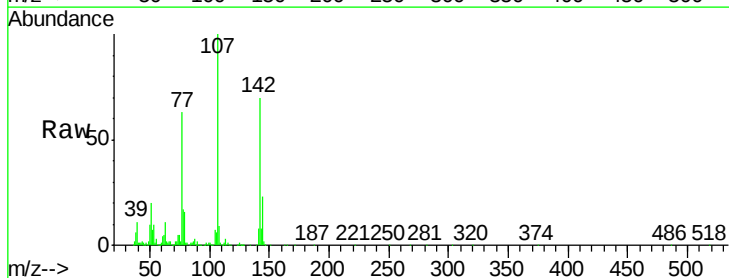
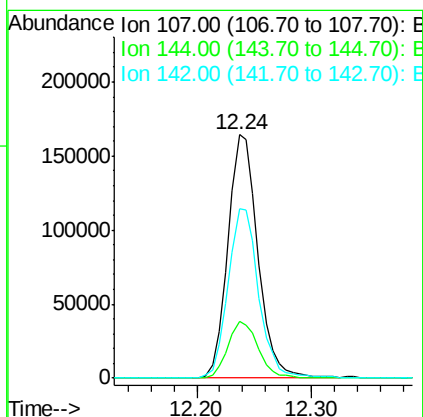
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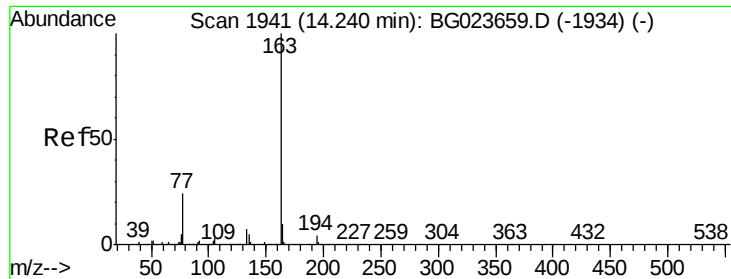
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#33
4-Chloro-3-methylphenol
Concen: 22.22 ng/ul m
RT: 12.24 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.1	22.7	34.1
142	69.8	71.6	107.4#





#44

Dimethylphthalate

Concen: 11.40 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

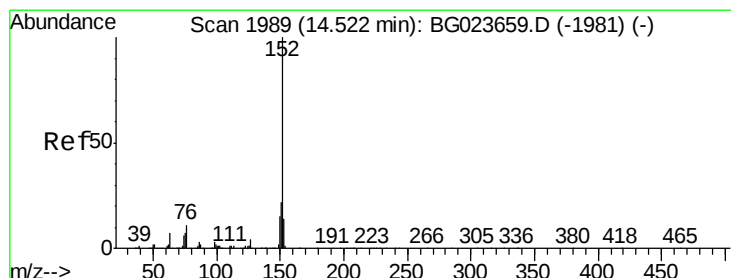
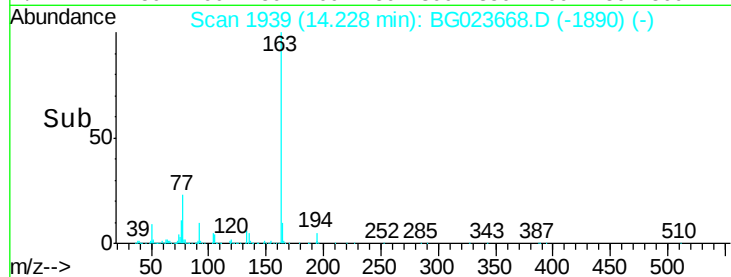
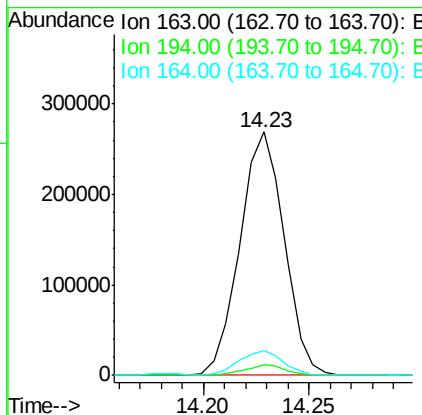
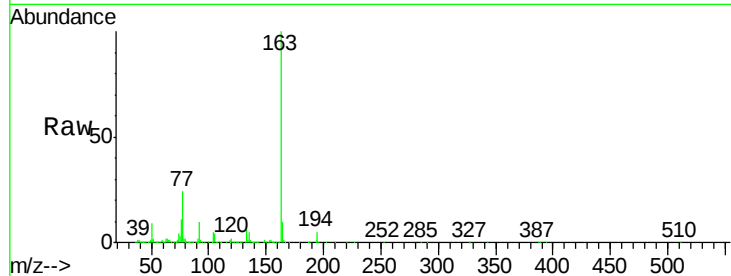
ClientSampleId :

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Tgt Ion:	163	Resp:	390626
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.4	5.2
164	9.9	8.8	13.2

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#47

Acenaphthylene

Concen: 1.15 ng/ul

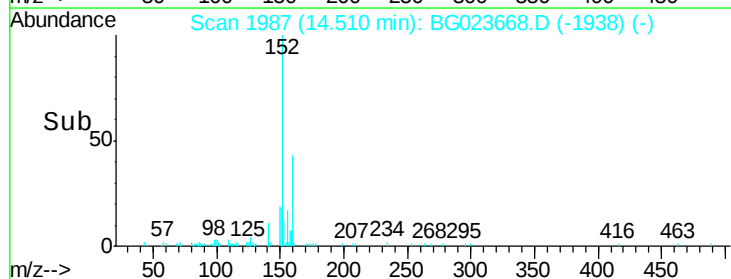
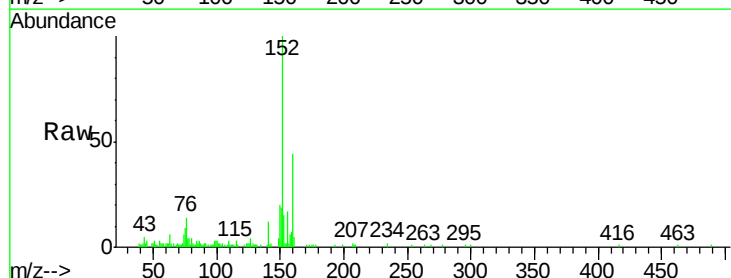
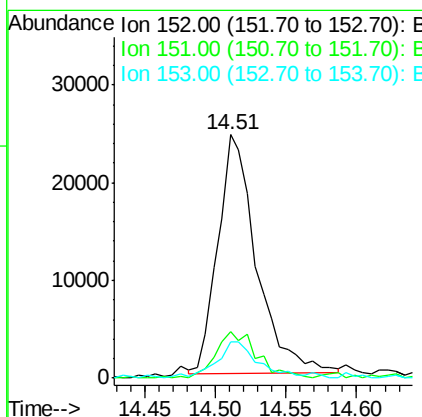
RT: 14.51 min Scan# 1987

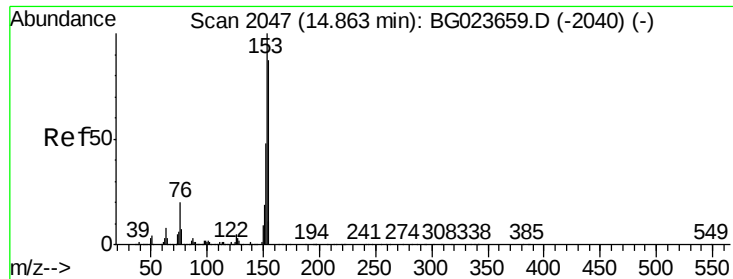
Delta R.T. -0.01 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:	152	Resp:	46801
Ion Ratio	Lower	Upper	
152	100		
151	18.9	17.5	26.3
153	14.7	11.1	16.7





#49

Acenaphthene

Concen: 23.14 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

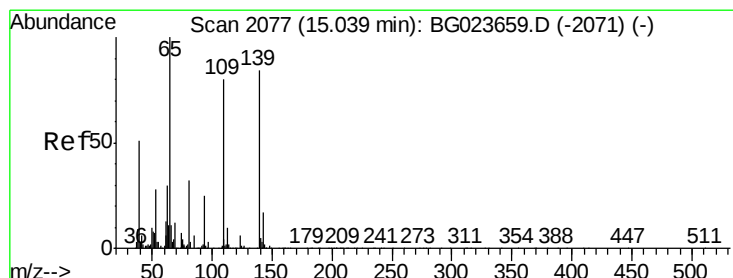
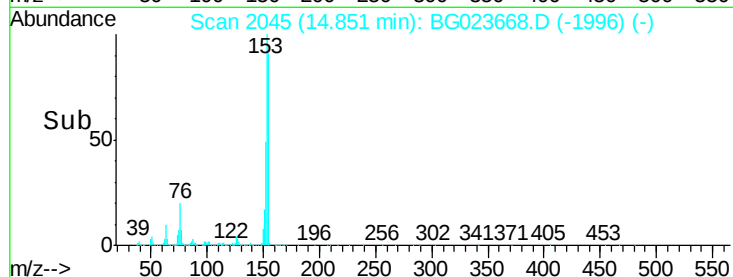
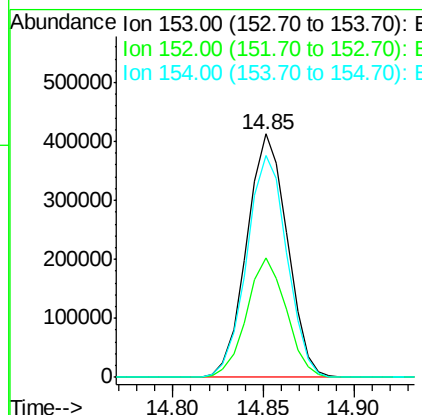
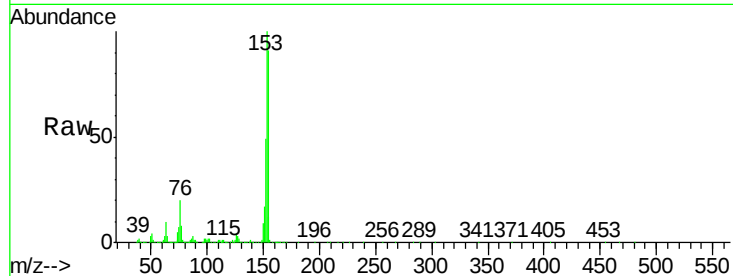
ClientSampleId :

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Tgt Ion:	153	Resp:	642376
Ion Ratio	Lower	Upper	
153	100		
152	48.9	37.3	55.9
154	90.9	68.2	102.2

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#52

4-Nitrophenol

Concen: 20.50 ng/ul

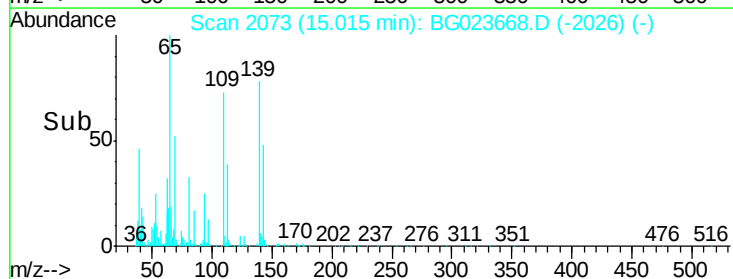
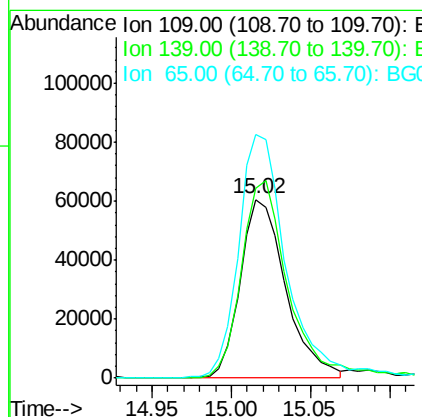
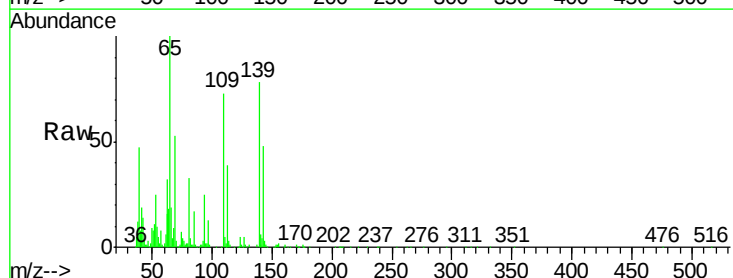
RT: 15.02 min Scan# 2073

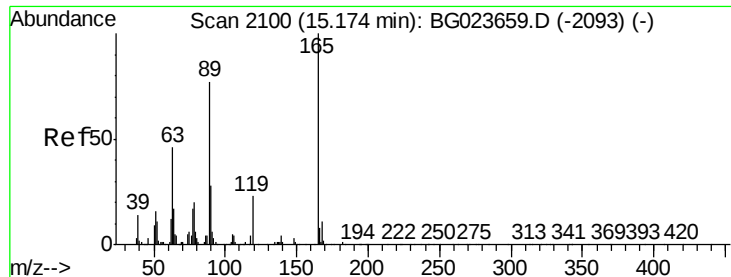
Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:	109	Resp:	121329
Ion Ratio	Lower	Upper	
109	100		
139	106.0	136.1	204.1#
65	136.1	106.0	159.0





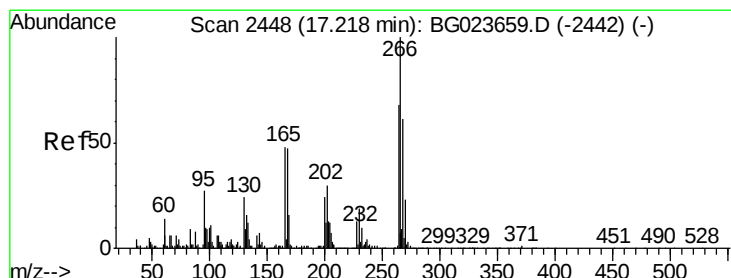
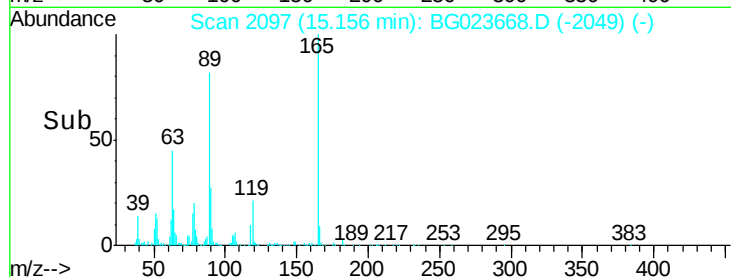
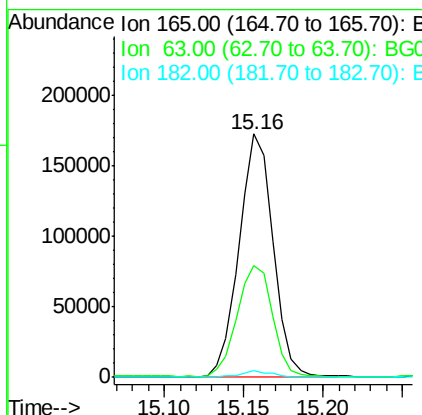
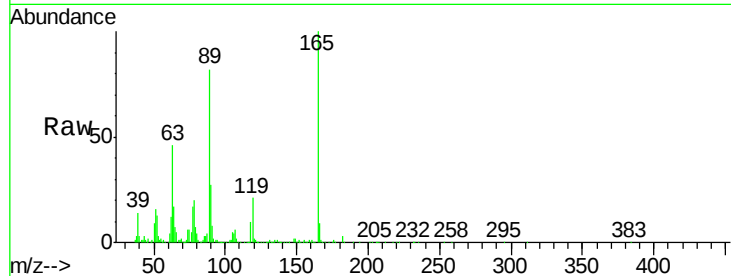
#54
2,4-Dinitrotoluene
Concen: 22.90 ng/ul
RT: 15.16 min Scan# 2097
Delta R.T. -0.02 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Instrument :
BNA_G
ClientSampleId :
P003-SS001-1218-01MSD

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	46.1	25.7	38.5#
182	3.1	2.1	3.1

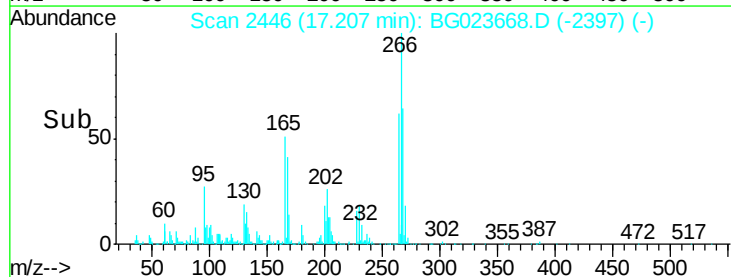
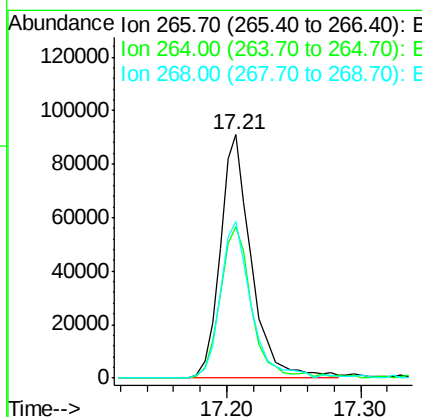
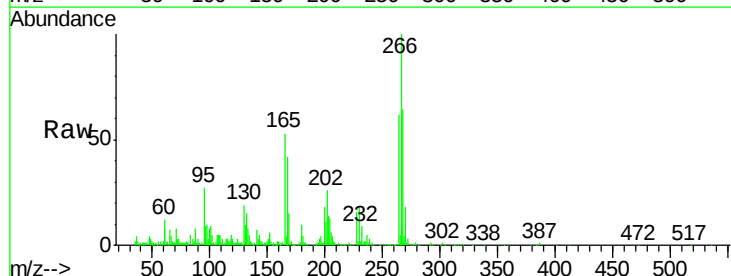
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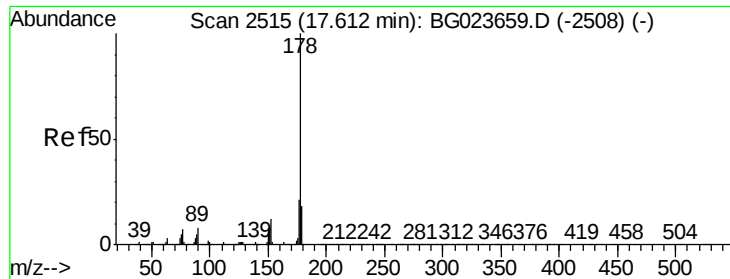
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#68
Pentachlorophenol
Concen: 22.82 ng/ul
RT: 17.21 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	62.3	54.7	82.1
268	64.4	57.8	86.8





#69

Phenanthrene

Concen: 6.73 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

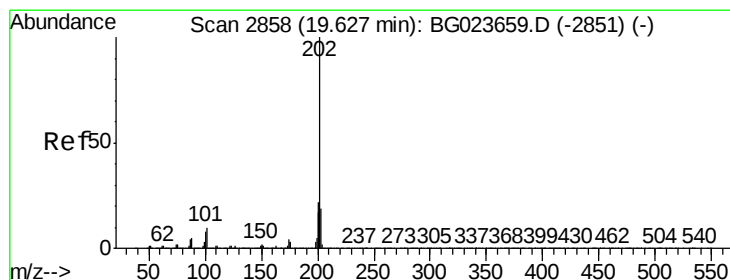
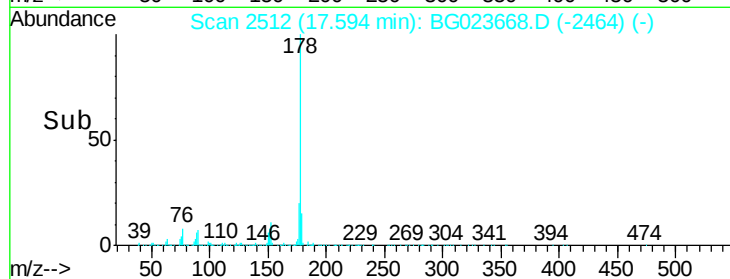
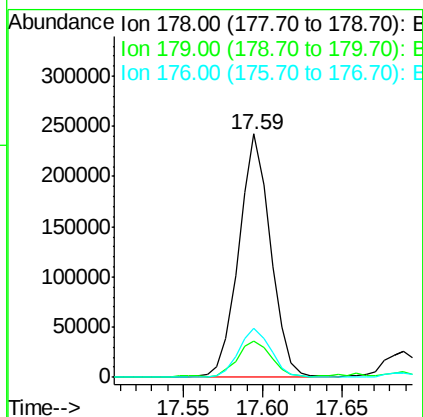
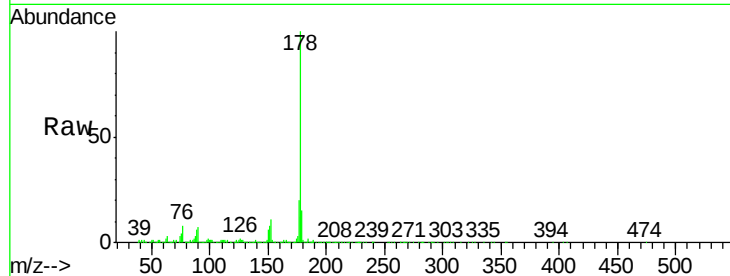
ClientSampleId :

P003-SS001-1218-01MSD

Tgt Ion:	178	Resp:	335424
Ion Ratio	Lower	Upper	
178	100		
179	14.7	12.9	19.3
176	20.1	15.8	23.8

Manual Integrations
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#74

Fluoranthene

Concen: 9.56 ng/ul

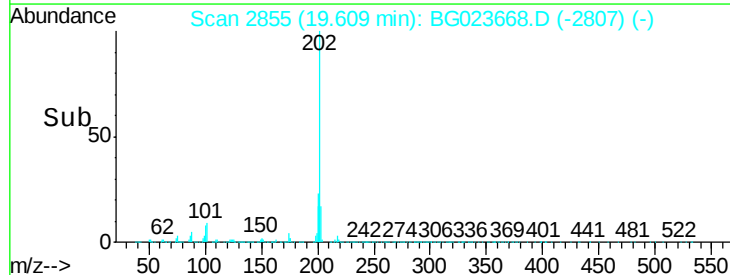
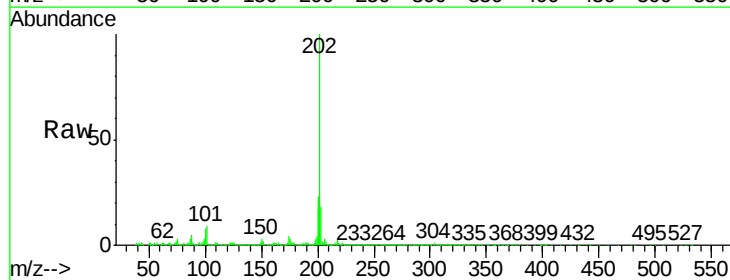
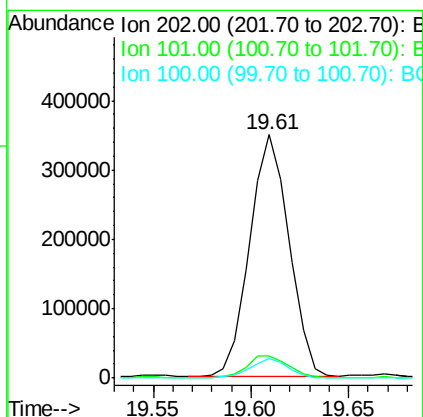
RT: 19.61 min Scan# 2855

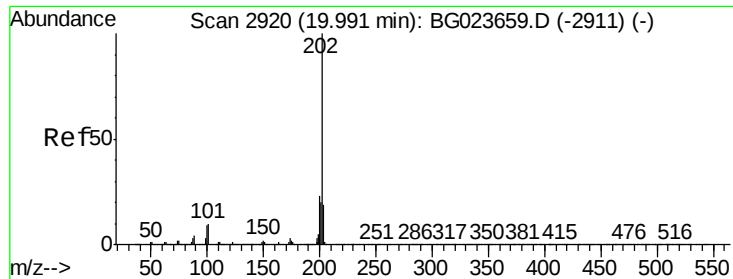
Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:	202	Resp:	488296
Ion Ratio	Lower	Upper	
202	100		
101	9.2	10.6	16.0#
100	8.3	8.7	13.1#





#77

Pyrene

Concen: 32.31 ng/ul

RT: 19.97 min Scan# 2917

Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Instrument :

BNA_G

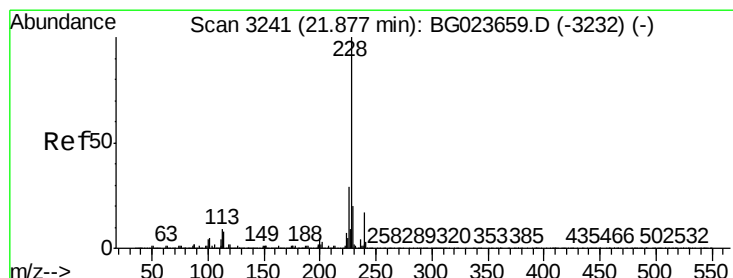
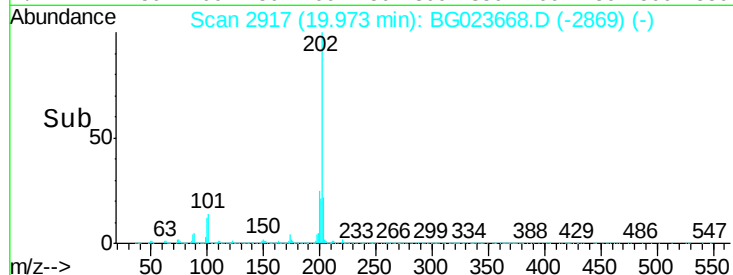
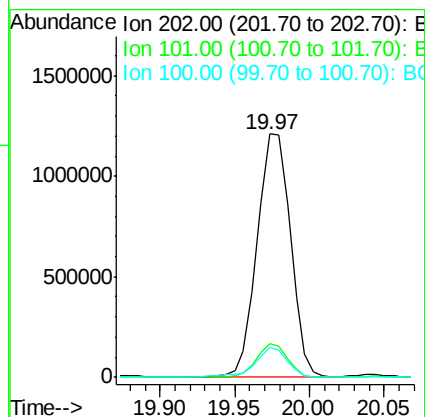
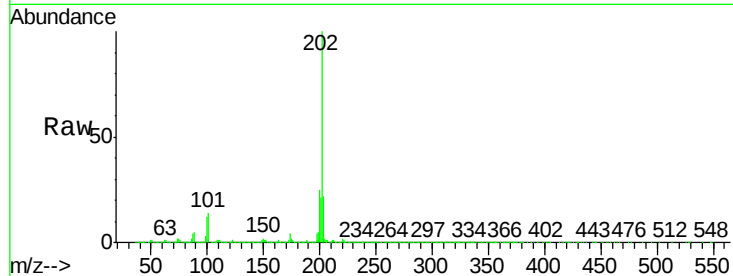
ClientSampleId :

P003-SS001-1218-01MSD

Tgt Ion:	202	Resp:	1866534
Ion Ratio	Lower	Upper	
202	100		
101	13.7	12.5	18.7
100	12.2	10.2	15.4

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#80

Benzo(a)anthracene

Concen: 5.87 ng/ul m

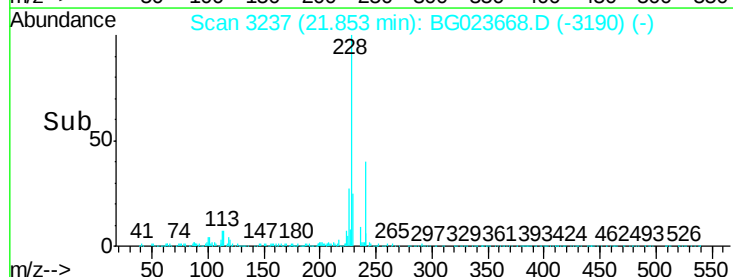
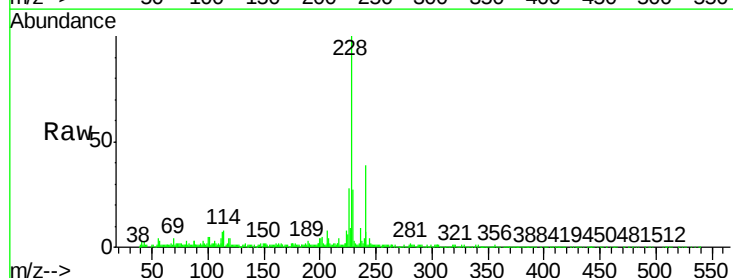
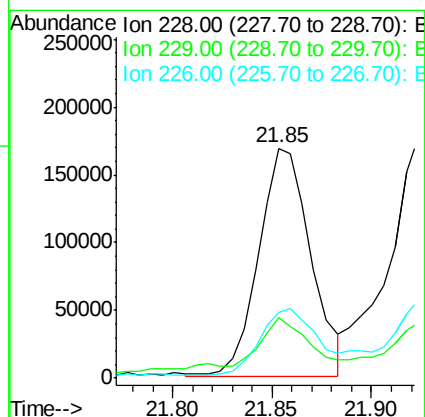
RT: 21.85 min Scan# 3237

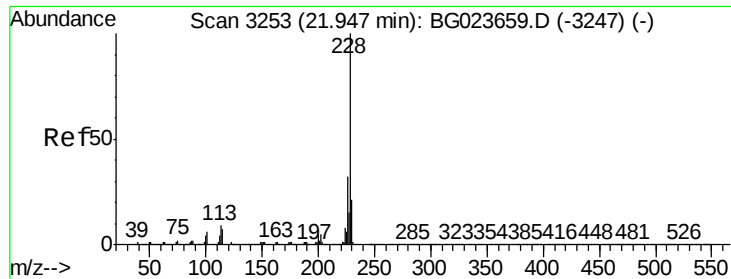
Delta R.T. -0.02 min

Lab File: BG023668.D

Acq: 12 Aug 2016 22:51

Tgt Ion:	228	Resp:	309130
Ion Ratio	Lower	Upper	
228	100		
229	26.6	15.4	23.2#
226	28.5	22.8	34.2





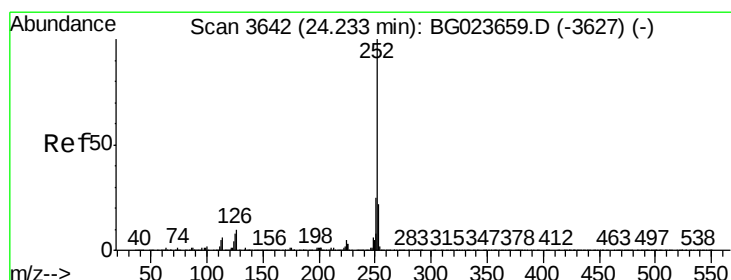
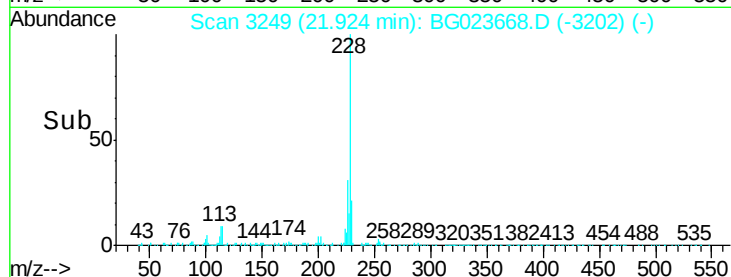
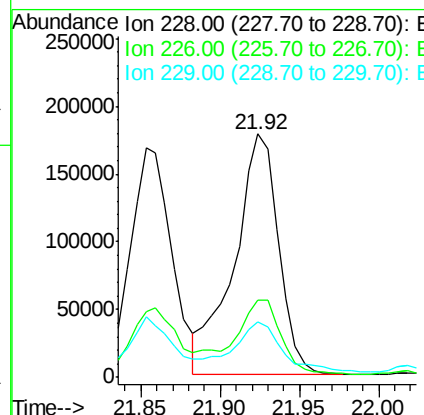
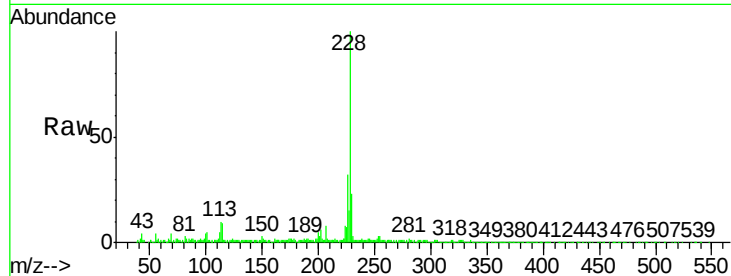
#82
Chrysene
Concen: 7.26 ng/ul
RT: 21.92 min Scan# 3249
Delta R.T. -0.02 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Instrument :
BNA_G
ClientSampleId :
P003-SS001-1218-01MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.9	24.2	36.4
229	22.9	15.0	22.6#

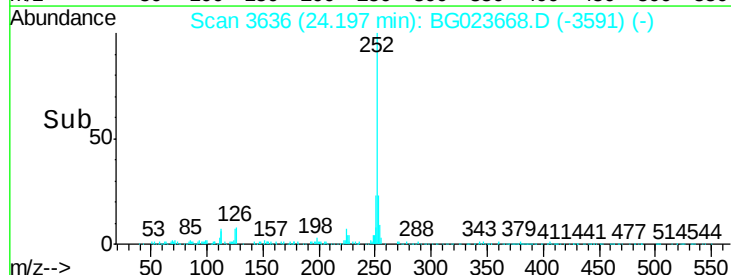
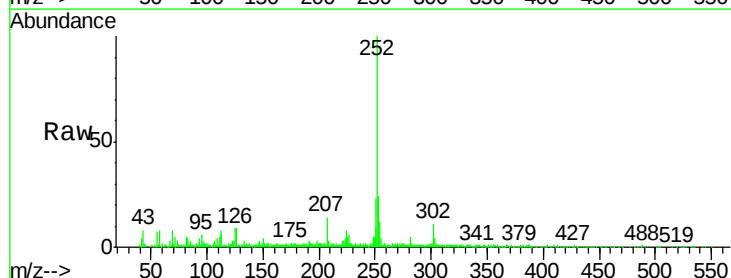
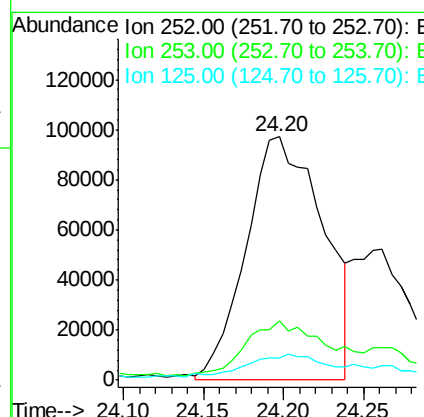
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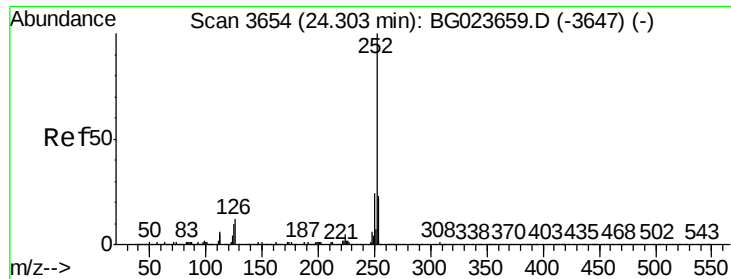
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#85
Benzo(b)fluoranthene
Concen: 6.00 ng/ul m
RT: 24.20 min Scan# 3636
Delta R.T. -0.04 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.2	18.2	27.2
125	9.2	10.8	16.2#





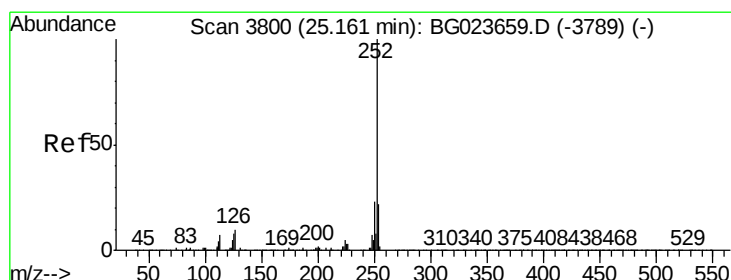
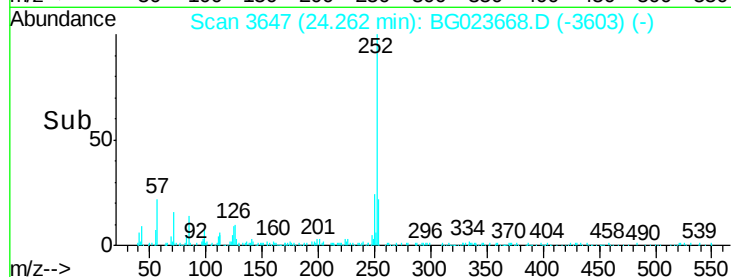
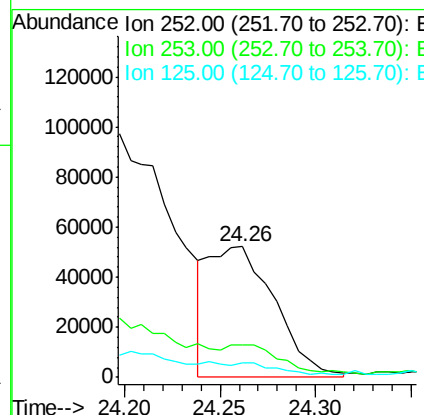
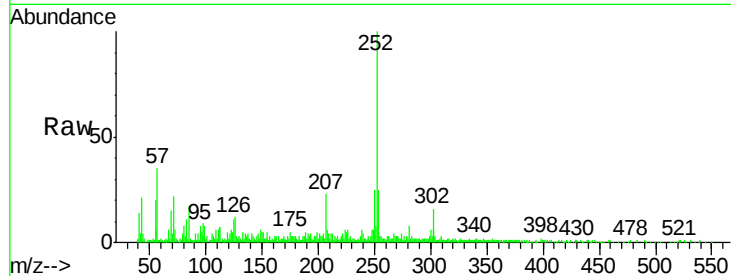
#86
Benzo(k)fluoranthene
Concen: 2.34 ng/ul m
RT: 24.26 min Scan# 3647
Delta R.T. -0.04 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Instrument :
BNA_G
ClientSampleId :
P003-SS001-1218-01MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	15.8	23.6#
125	10.6	10.6	16.0#

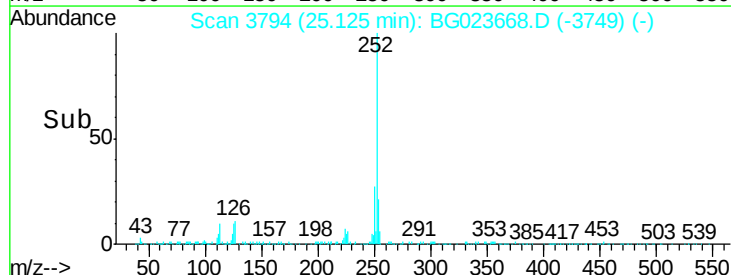
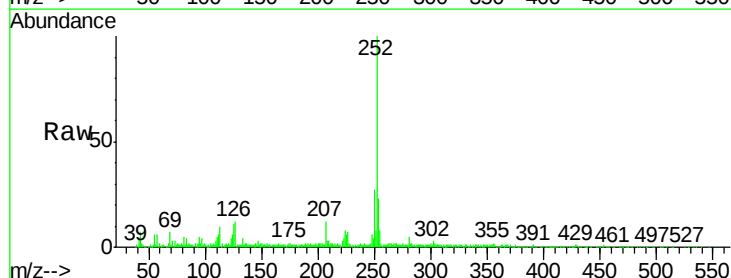
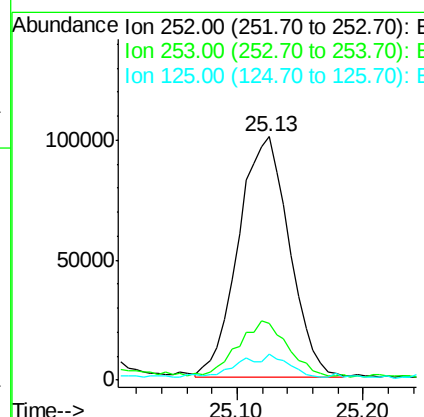
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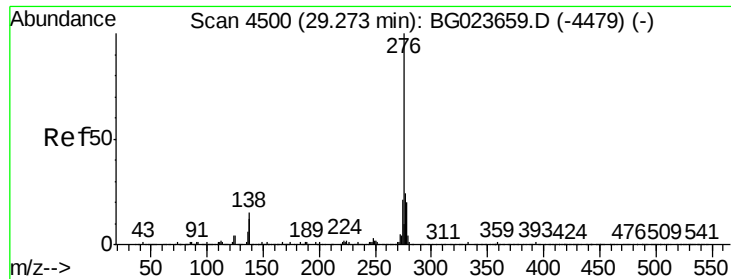
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#88
Benzo(a)pyrene
Concen: 5.38 ng/ul m
RT: 25.13 min Scan# 3794
Delta R.T. -0.04 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.0	28.4
125	10.8	12.0	18.0#





#89

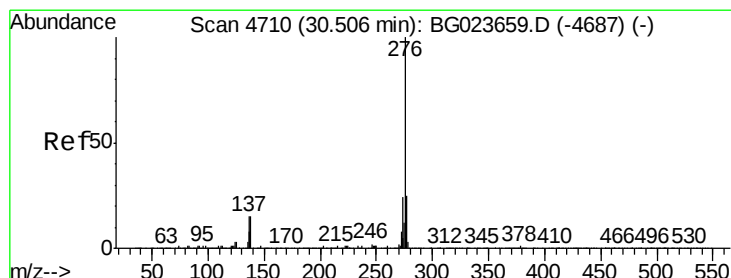
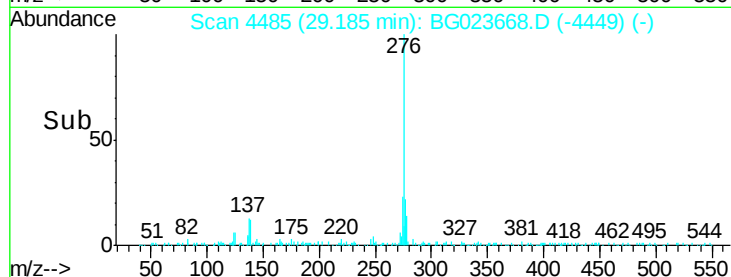
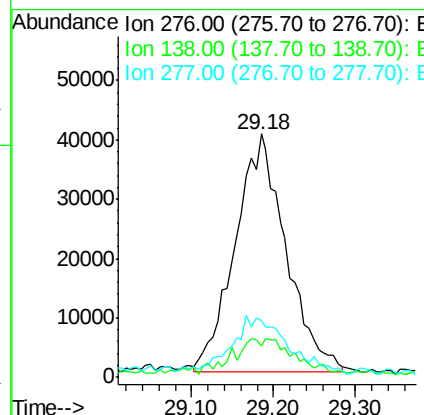
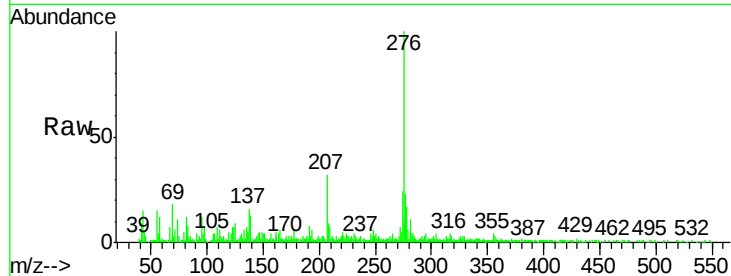
Indeno(1,2,3-cd)pyrene
Concen: 2.80 ng/ul m
RT: 29.18 min Scan# 4485
Delta R.T. -0.09 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Instrument :
BNA_G
ClientSampleId :
P003-SS001-1218-01MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.8	20.8	31.2#
277	23.4	17.6	26.4

Manual Integrations
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#91

Benzo(g,h,i)perylene
Concen: 3.78 ng/ul m
RT: 30.39 min Scan# 4691
Delta R.T. -0.11 min
Lab File: BG023668.D
Acq: 12 Aug 2016 22:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.1	22.1	33.1#
277	24.4	17.0	25.4

