

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020514.D
 Acq On : 25 Dec 2015 21:45
 Operator : UM/SJ
 Sample : G4847-04MSD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N68MSD

Manual Integrations
 APPROVED

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 12/28/2015 6:06:16 PM

Quant Time: Dec 26 03:02:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 26 02:12:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	15603	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	65436	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	47668	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	129985	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	173064	20.00	ng/ul	0.00
86) Perylene-d12	24.98	264	163421	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	374	1.32	ng/uL	0.00
5) Phenol-d5	7.23	99	11547	9.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	25215	33.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	27691	28.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	21270	20.19	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	18206	35.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	21035	36.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	35752	31.68	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.11	166	143859	36.61	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	164196	36.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5475m	8.36	ng/ul	0.00
58) Fluorene-d10	15.70	176	128740	36.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	26092	30.29	ng/ul	0.00
71) Anthracene-d10	17.55	188	226510	37.20	ng/ul	0.00
79) Pyrene-d10	19.84	212	287019	38.31	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	312403	37.81	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.26	94	11486	8.81	ng/ul	98
10) 2-Chlorophenol	7.64	128	26915	26.84	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.88	70	28162	33.00	ng/ul	97
28) Naphthalene	10.95	128	1609047	462.57	ng/ul#	93
33) 4-Chloro-3-methylphenol	12.16	107	34890	28.76	ng/ul	90
34) 2-Methylnaphthalene	12.54	142	139140	54.06	ng/ul	96
41) 1,1'-Biphenyl	13.55	154	33117	9.00	ng/ul#	98
48) Acenaphthylene	14.43	152	15025	3.14	ng/ul	97
50) Acenaphthene	14.77	153	203573	62.93	ng/ul	98
53) 4-Nitrophenol	14.93	109	4480	7.56	ng/ul	87
54) Dibenzofuran	15.11	168	72075	14.98	ng/ul	98
55) 2,4-Dinitrotoluene	15.07	165	41023	33.78	ng/ul	88
59) Fluorene	15.75	166	64819	16.62	ng/ul	99
69) Pentachlorophenol	17.11	266	31132	31.83	ng/ul	95
70) Phenanthrene	17.49	178	118835	16.43	ng/ul	99
75) Carbazole	17.86	167	7174m	1.15	ng/ul	
80) Pyrene	19.87	202	347890	35.55	ng/ul	97

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

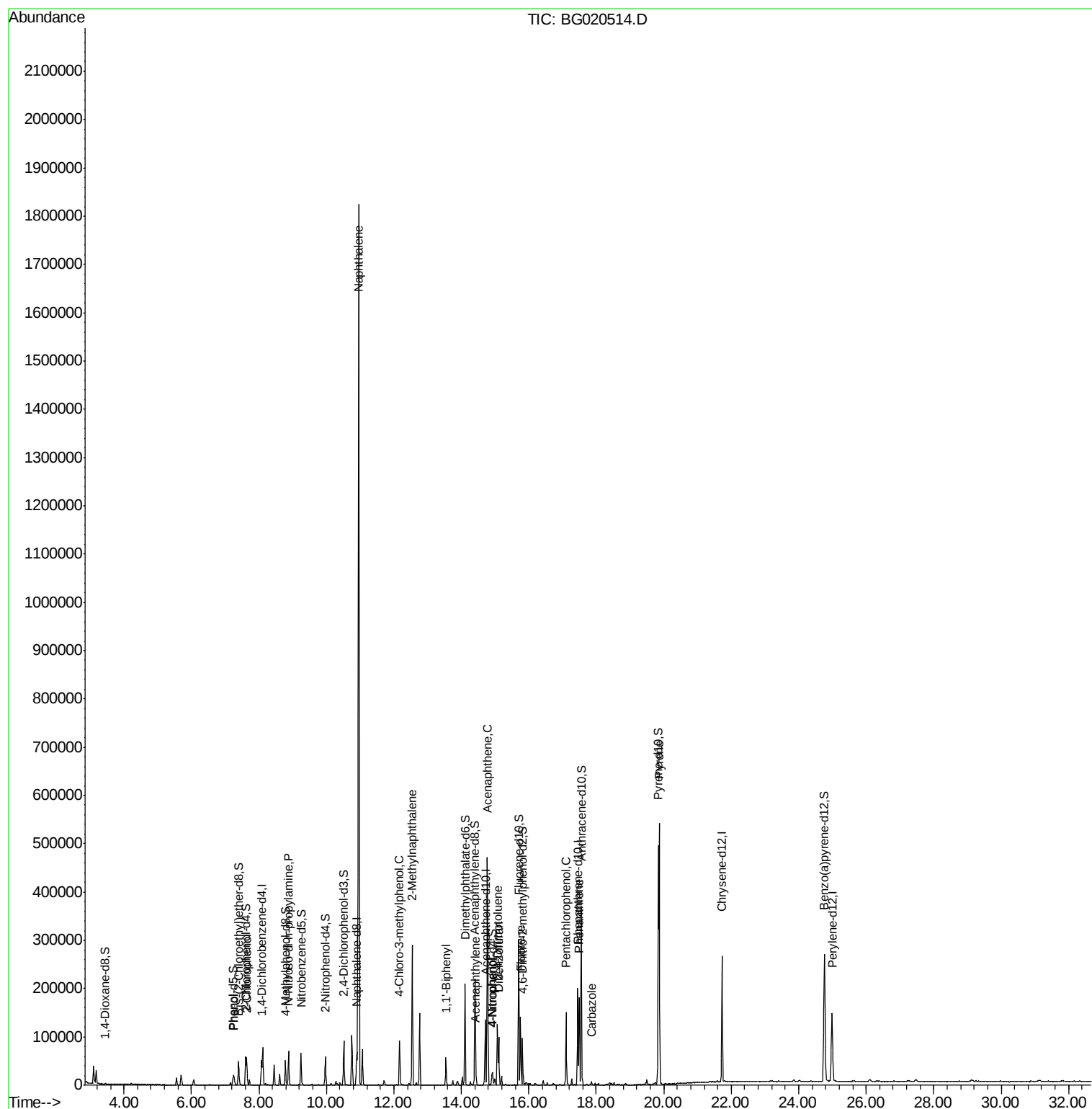
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020514.D
Acq On : 25 Dec 2015 21:45
Operator : UM/SJ
Sample : G4847-04MSD
Misc :
ALS Vial : 53 Sample Multiplier: 1

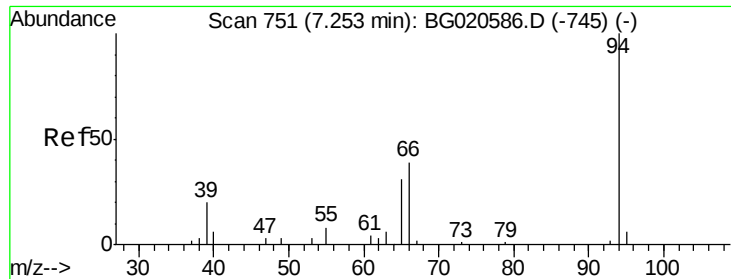
Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Manual Integrations
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Quant Time: Dec 26 03:02:03 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 26 02:12:58 2015
Response via : Initial Calibration





#6

Phenol

Concen: 8.81 ng/ul

RT: 7.26 min Scan# 752

Delta R.T. -0.00 min

Lab File: BG020514.D

Acq: 25 Dec 2015 21:45

Instrument :

BNA_G

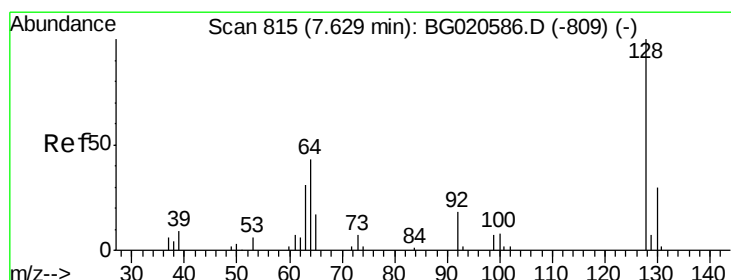
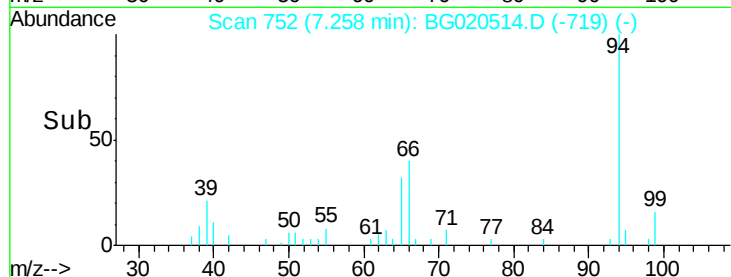
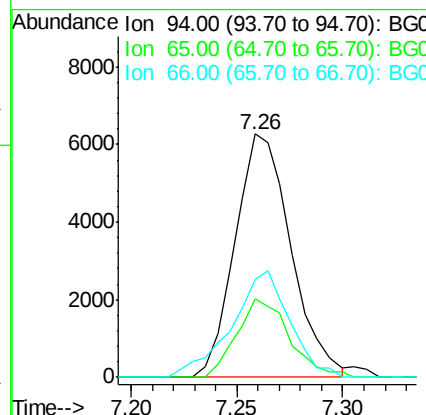
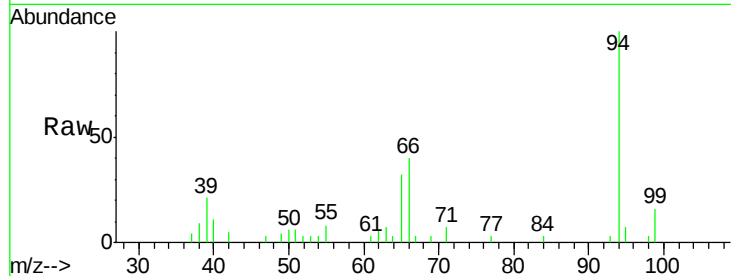
ClientSampleId :

D9N68MSD

Tot Ion:	94	Resp:	11486
Ion	Ratio	Lower	Upper
94	100		
65	32.3	26.3	39.5
66	40.2	33.3	49.9

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#10

2-Chlorophenol

Concen: 26.84 ng/ul

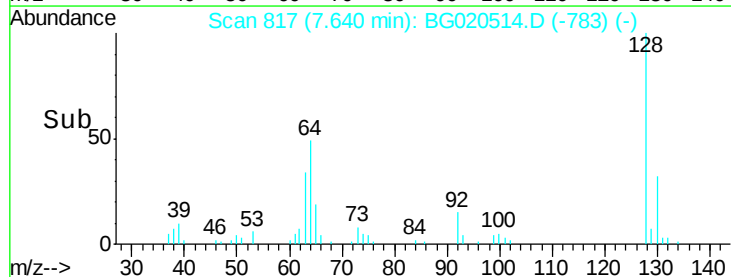
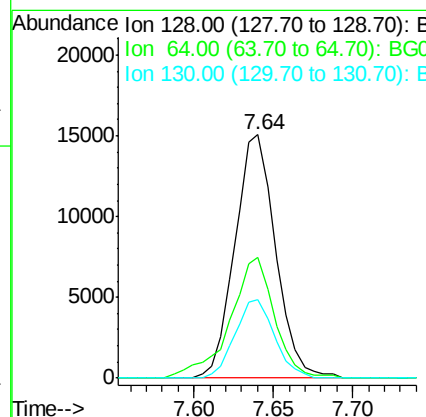
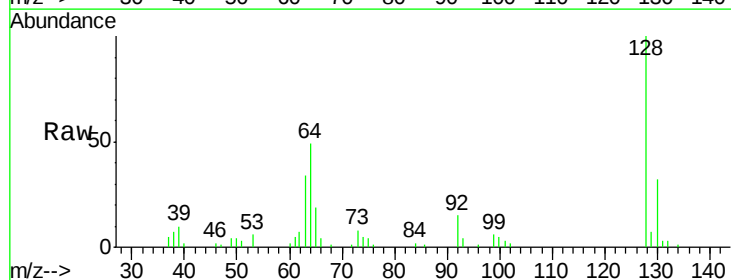
RT: 7.64 min Scan# 817

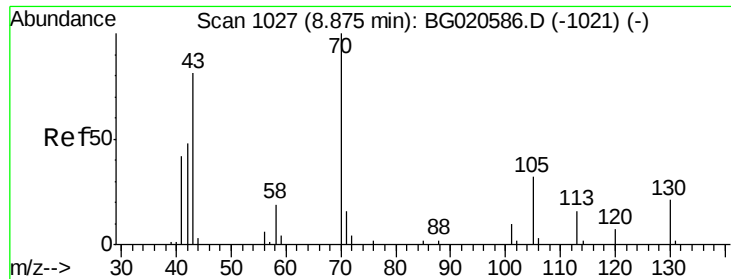
Delta R.T. 0.00 min

Lab File: BG020514.D

Acq: 25 Dec 2015 21:45

Tgt Ion:	128	Resp:	26915
Ion	Ratio	Lower	Upper
128	100		
64	49.4	39.4	59.0
130	32.1	24.6	36.8





#15

N-Nitroso-di-n-propylamine

Concen: 33.00 ng/ul

RT: 8.88 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BG020514.D

Acq: 25 Dec 2015 21:45

Instrument :

BNA_G

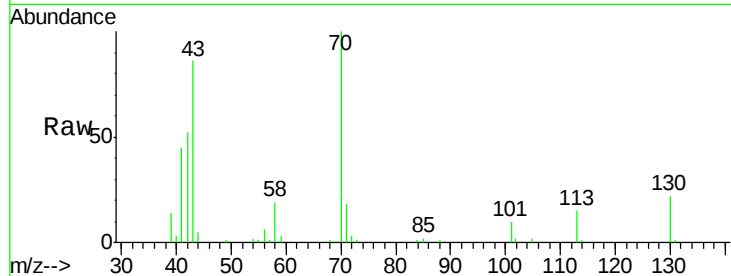
ClientSampleId :

D9N68MSD

Tot Ion:	70	Resp:	28162
Ion Ratio	Lower	Upper	
70	100		
42	52.5	44.3	66.5
101	9.7	7.6	11.4
130	22.4	17.0	25.4

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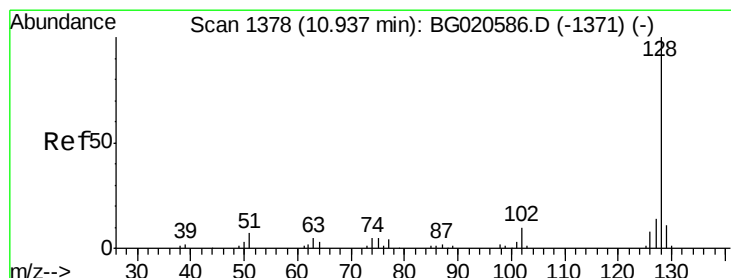
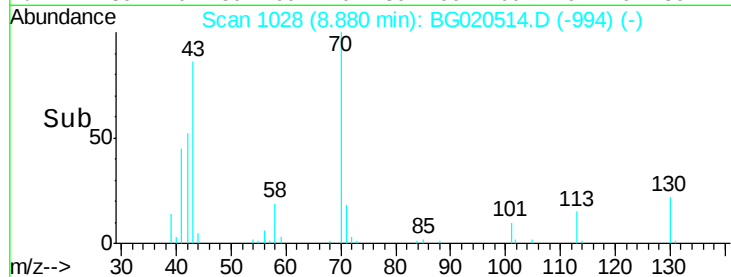
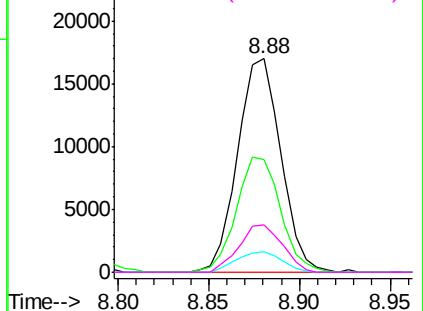
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#28

Naphthalene

Concen: 462.57 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. 0.01 min

Lab File: BG020514.D

Acq: 25 Dec 2015 21:45

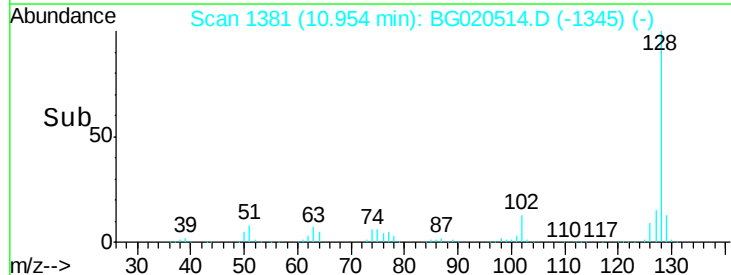
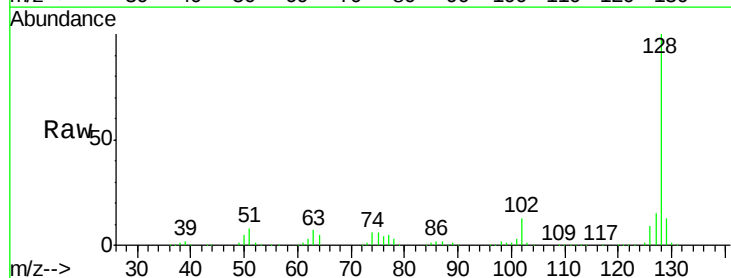
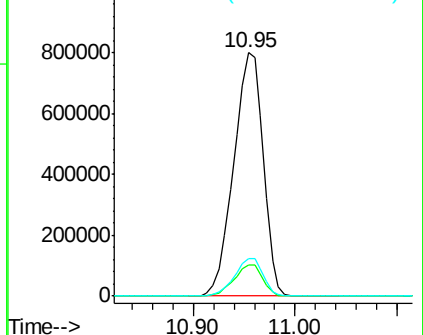
Tgt Ion:	128	Resp:	1609047
Ion Ratio	Lower	Upper	
128	100		
129	13.0	8.6	12.8#
127	15.4	10.1	15.1#

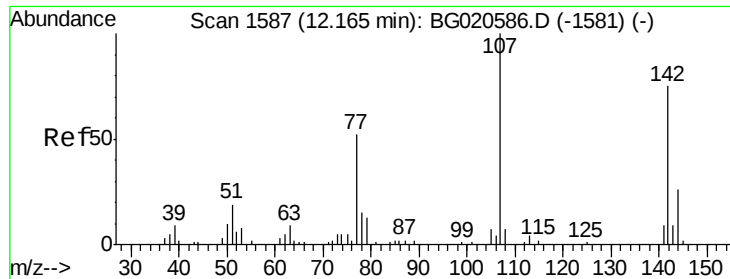
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





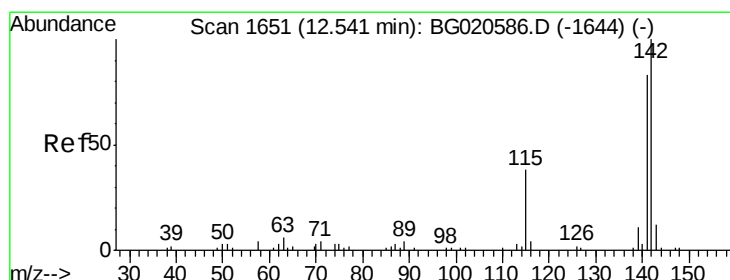
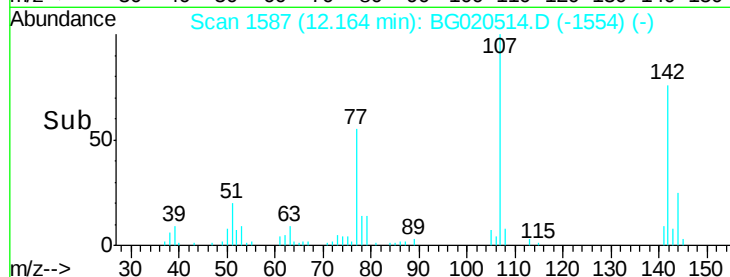
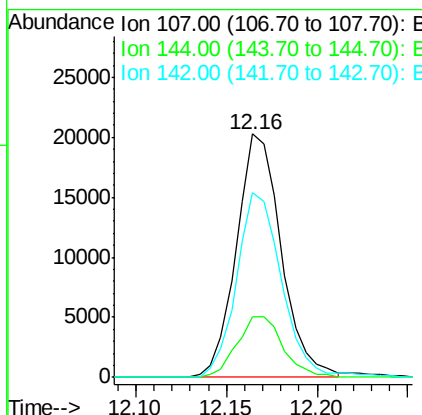
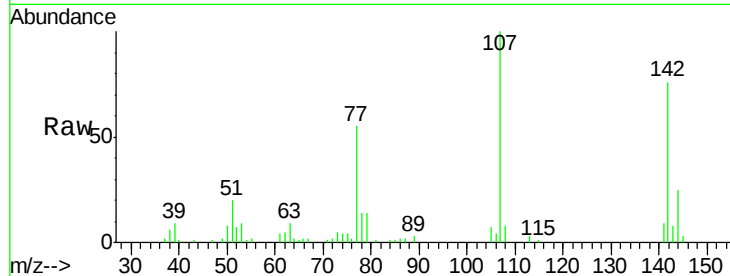
#33
4-Chloro-3-methylphenol
Concen: 28.76 ng/ul
RT: 12.16 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	24.7	18.7	28.1
142	75.8	52.8	79.2

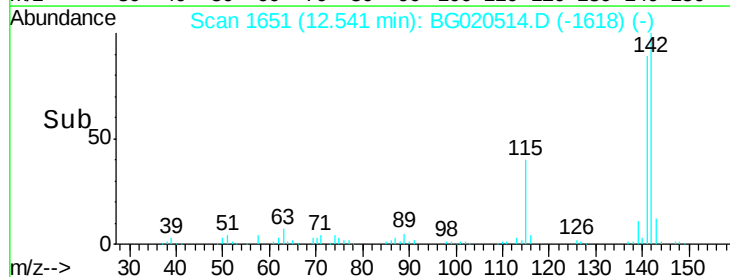
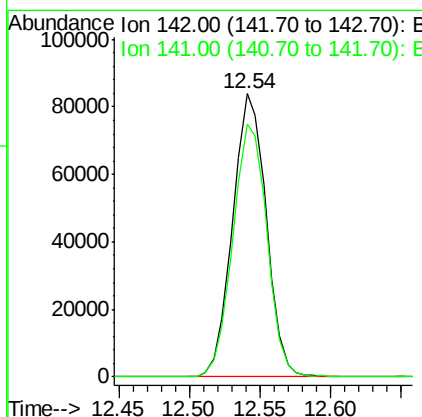
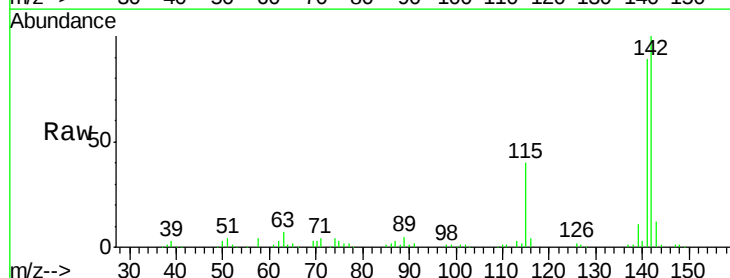
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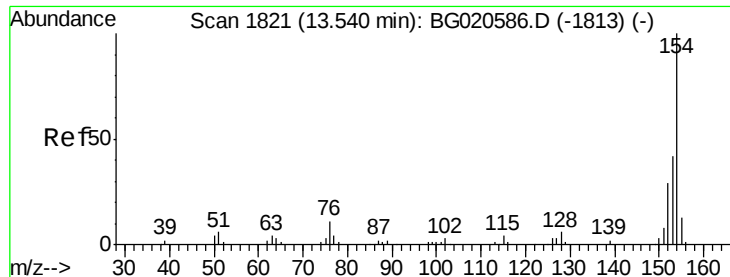
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#34
2-Methylnaphthalene
Concen: 54.06 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	74.9	112.3





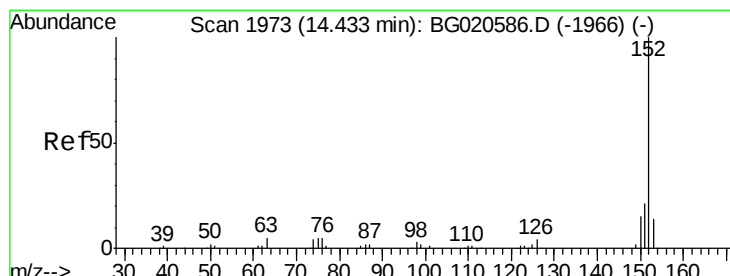
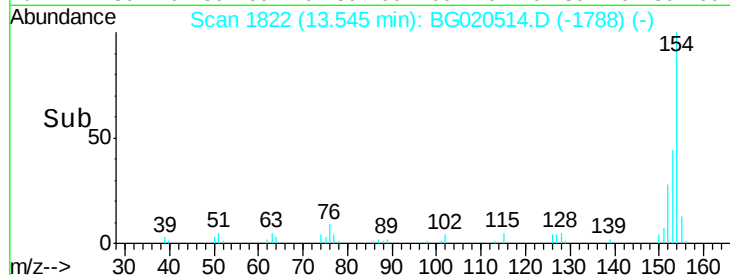
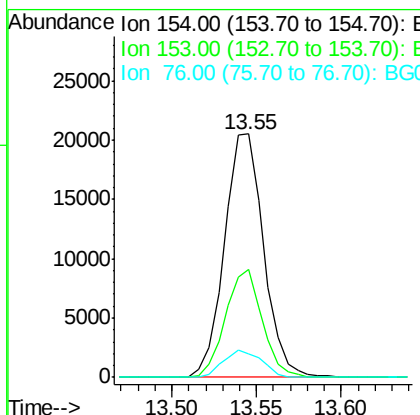
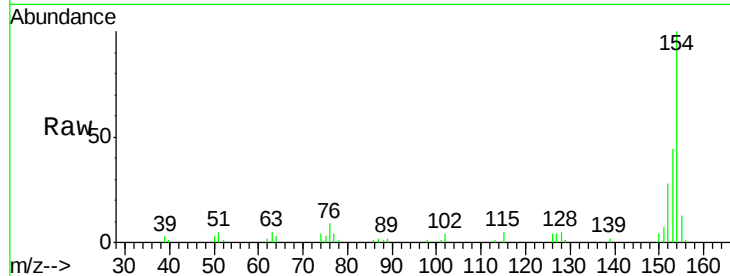
#41
 1,1'-Biphenyl
 Concen: 9.00 ng/ul
 RT: 13.55 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020514.D
 Acq: 25 Dec 2015 21:45

Instrument :
 BNA_G
 ClientSampled :
 D9N68MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	44.4	35.5	53.3
76	9.4	10.4	15.6

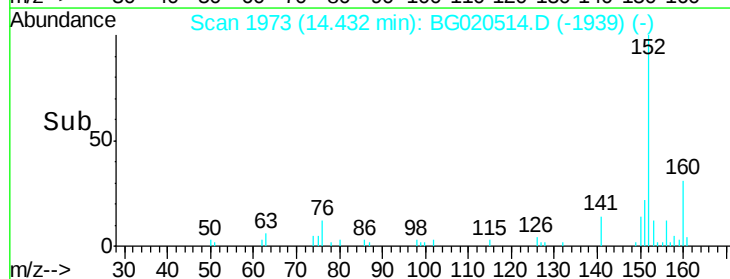
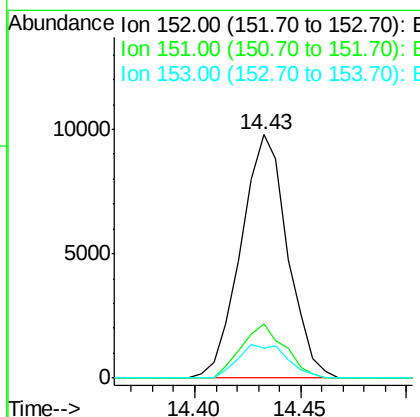
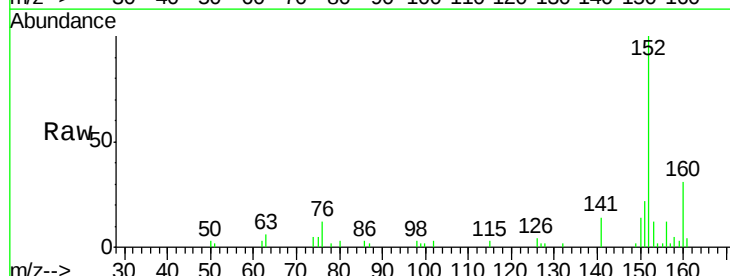
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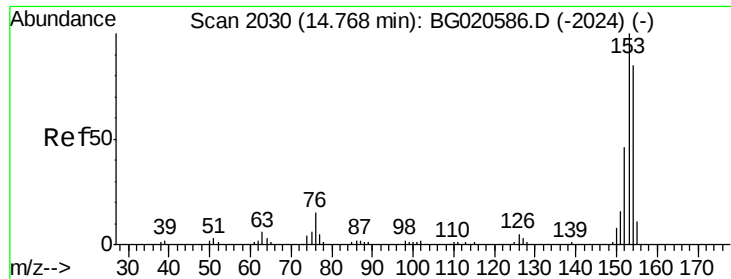
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#48
 Acenaphthylene
 Concen: 3.14 ng/ul
 RT: 14.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BG020514.D
 Acq: 25 Dec 2015 21:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.4	24.6
153	12.4	10.4	15.6





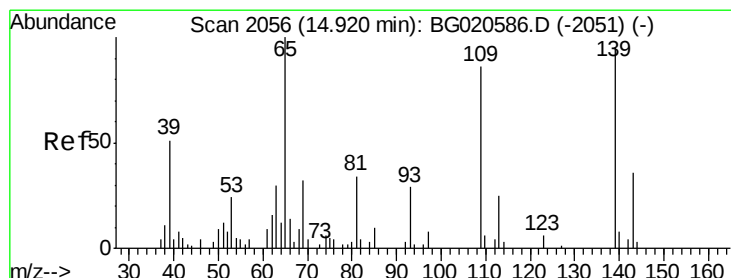
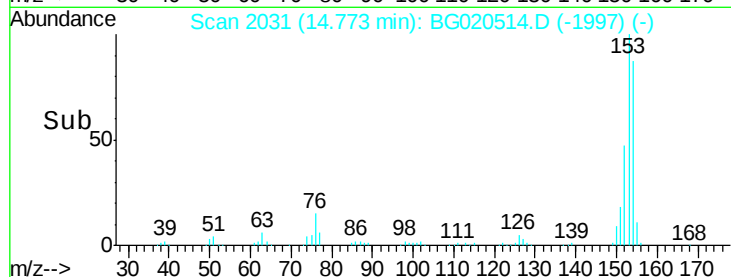
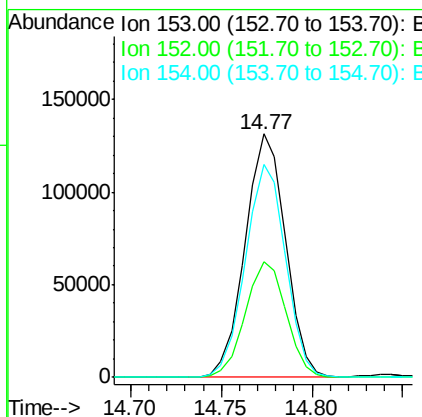
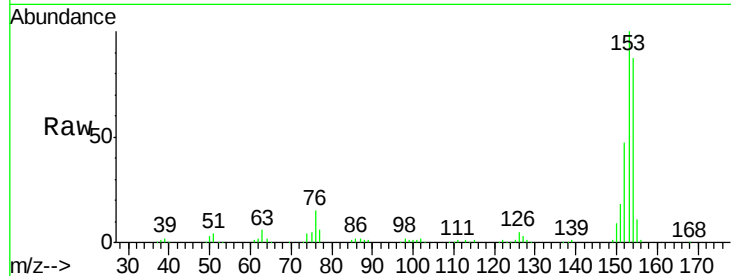
#50
Acenaphthene
Concen: 62.93 ng/ul
RT: 14.77 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Tot Ion	Ratio	Resp	Lower	Upper
153	100	203573		
152	47.3		37.6	56.4
154	87.4		67.9	101.9

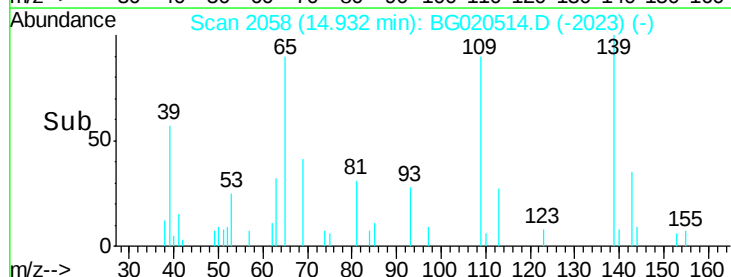
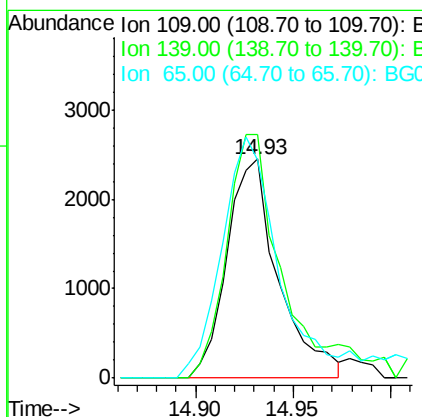
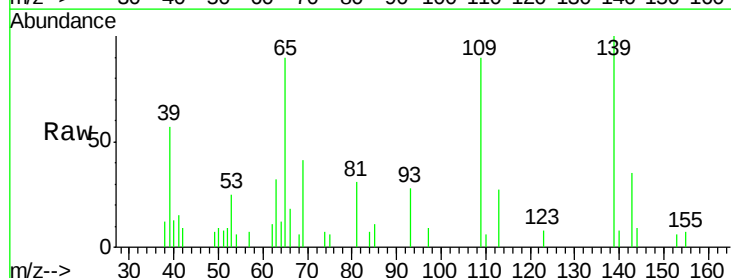
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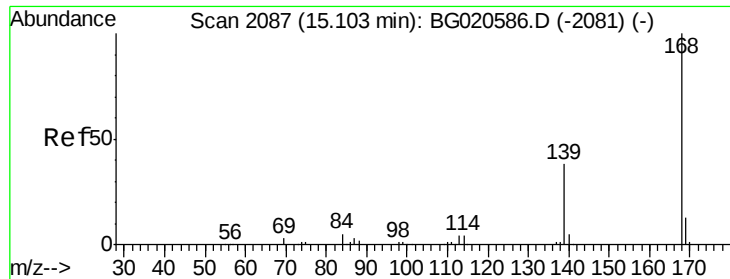
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#53
4-Nitrophenol
Concen: 7.56 ng/ul
RT: 14.93 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	4480		
139	111.3		80.5	120.7
65	99.7		93.4	140.2





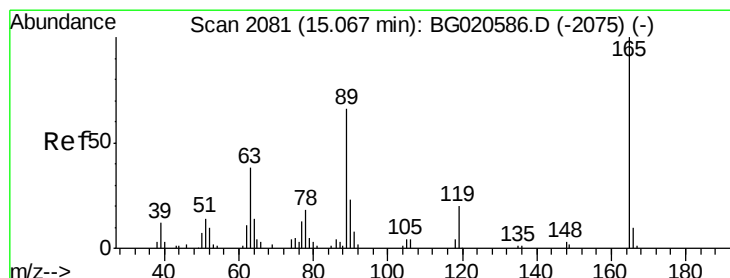
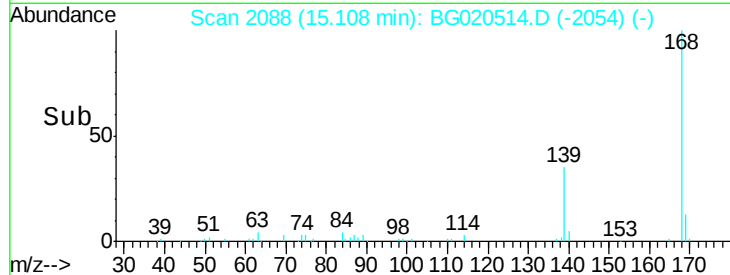
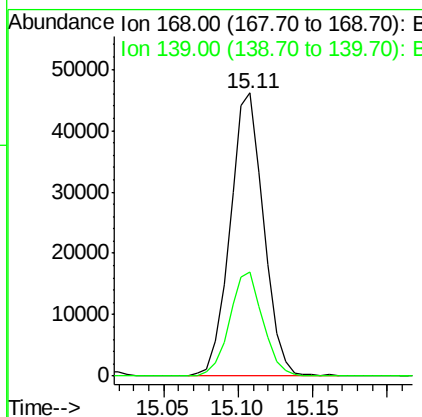
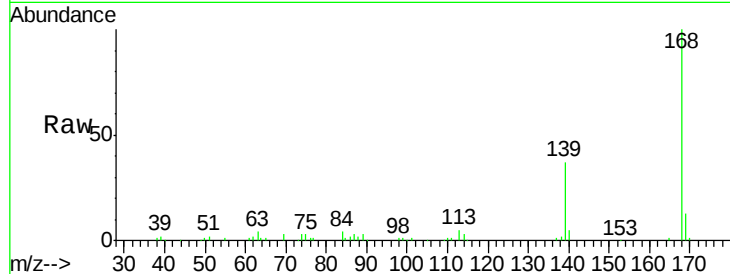
#54
Dibenzenofuran
Concen: 14.98 ng/ul
RT: 15.11 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Tot Ion:168 Resp: 72075
Ion Ratio Lower Upper
168 100
139 36.6 30.5 45.7

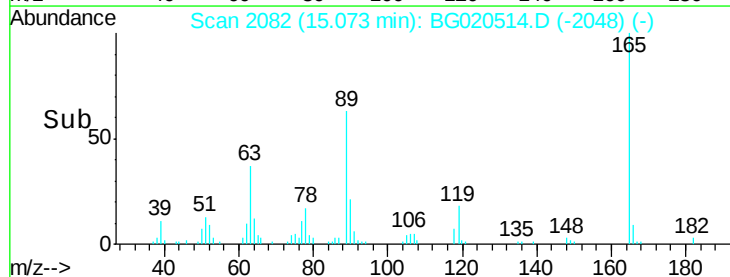
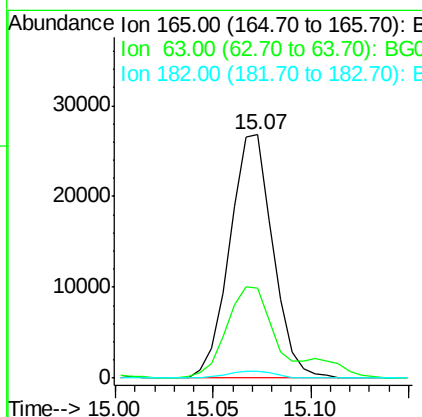
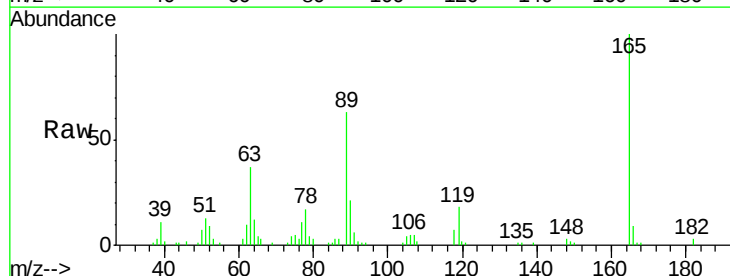
Manual Integrations
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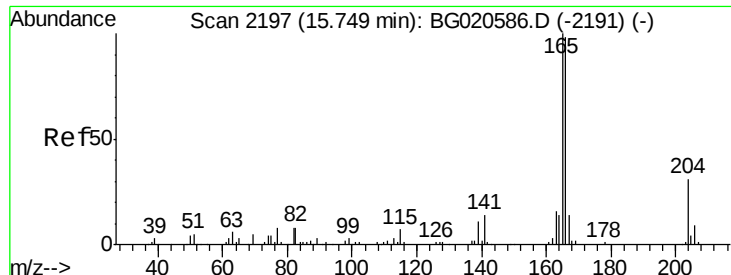
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#55
2,4-Dinitrotoluene
Concen: 33.78 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion:165 Resp: 41023
Ion Ratio Lower Upper
165 100
63 36.8 35.8 53.8
182 2.9 2.2 3.2





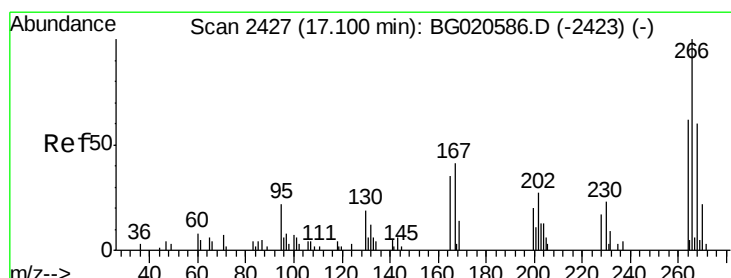
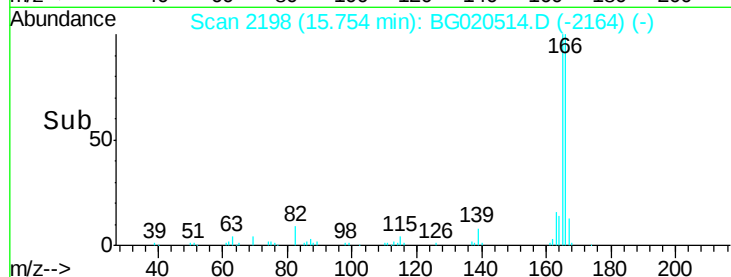
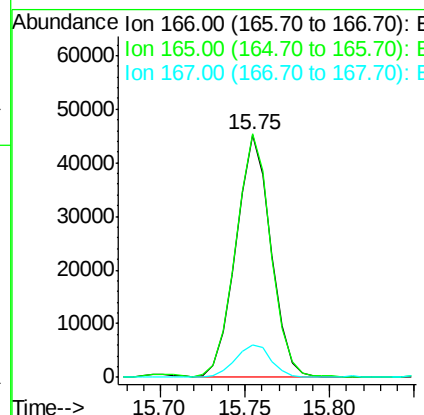
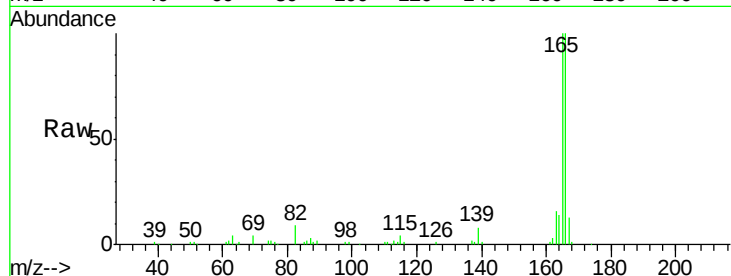
#59
 Fluorene
 Concen: 16.62 ng/ul
 RT: 15.75 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: BG020514.D
 Acq: 25 Dec 2015 21:45

Instrument :
 BNA_G
 ClientSampleId :
 D9N68MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	81.4	122.0
167	13.4	11.2	16.8

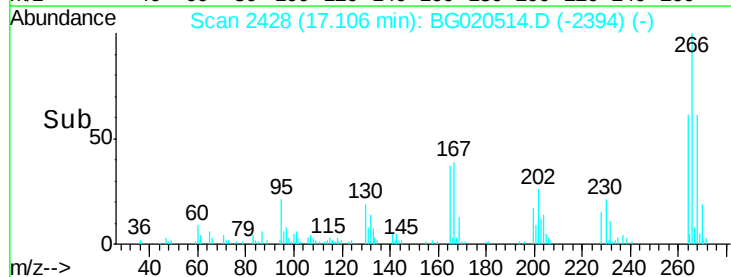
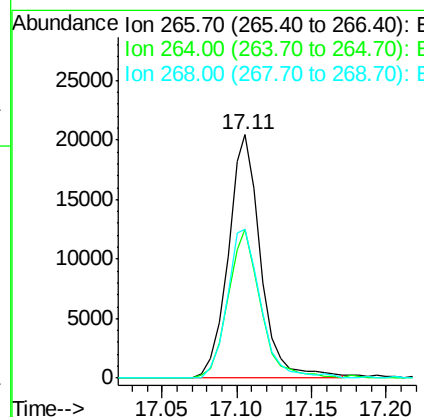
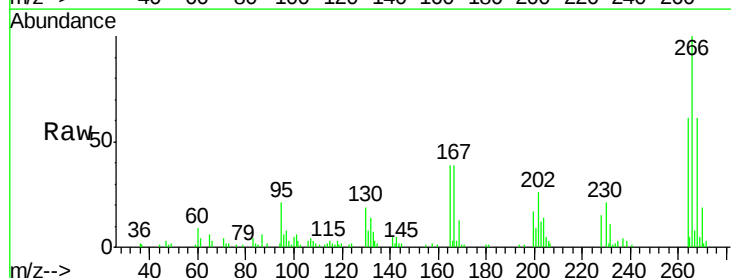
Manual Integrations
 APPROVED

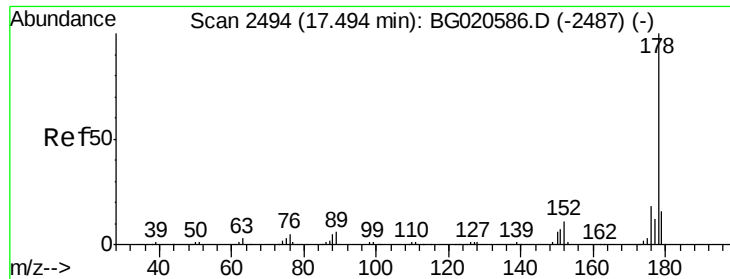
Sohil
 12/28/2015 6:06:16 PM



#69
 Pentachlorophenol
 Concen: 31.83 ng/ul
 RT: 17.11 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG020514.D
 Acq: 25 Dec 2015 21:45

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.3	52.2	78.2
268	66.0	49.3	73.9





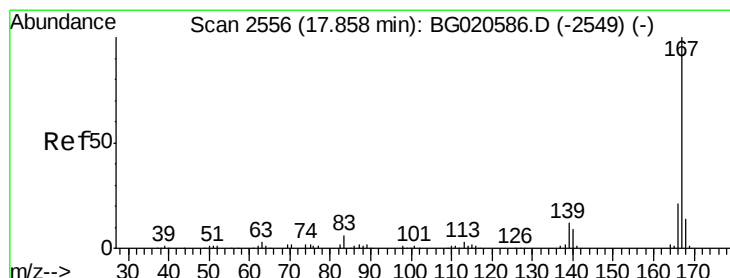
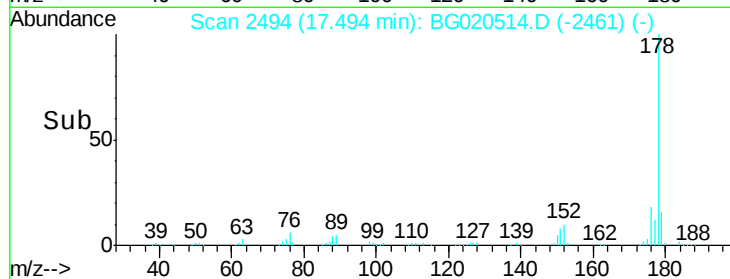
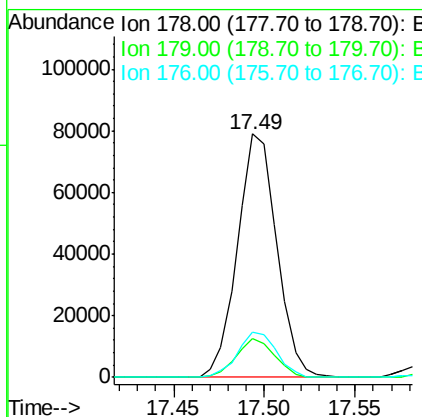
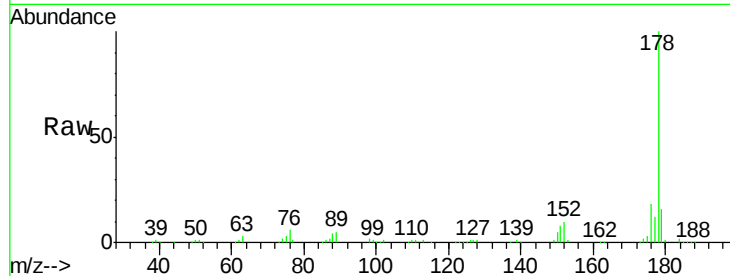
#70
Phenanthrene
Concen: 16.43 ng/ul
RT: 17.49 min Scan# 2494
Delta R.T. -0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.9	19.3
176	18.4	15.3	22.9

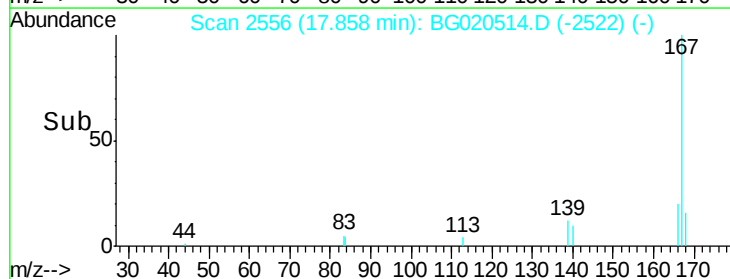
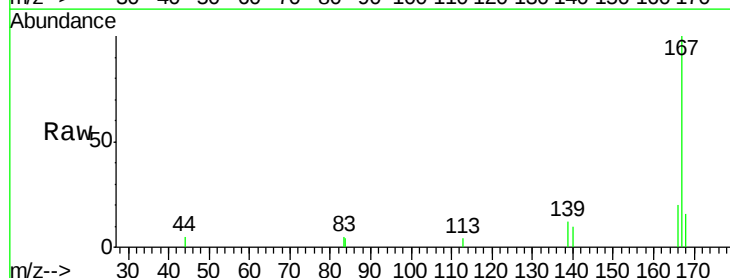
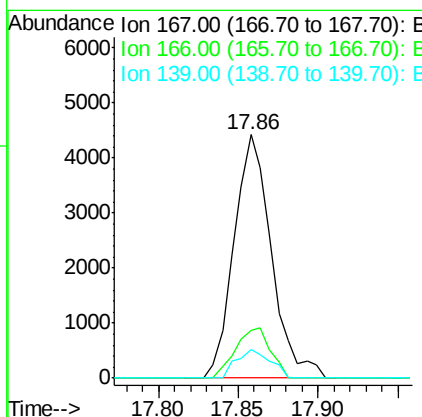
Manual Integrations
APPROVED

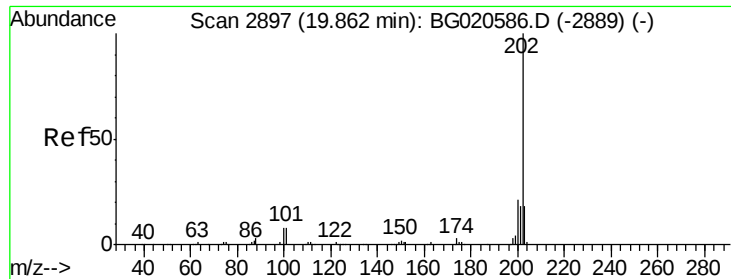
Sohil
12/28/2015 6:06:16 PM



#75
Carbazole
Concen: 1.15 ng/ul m
RT: 17.86 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.8	17.0	25.6
139	11.6	10.1	15.1





#80
 Pvrene
 Concen: 35.55 ng/ul
 RT: 19.87 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: BG020514.D
 Acq: 25 Dec 2015 21:45

Instrument :
 BNA_G
 ClientSampleId :
 D9N68MSD

Tot Ion:	202	Resp:	347890
Ion Ratio	Lower	Upper	
202	100		
101	8.1	7.0	10.4
100	6.7	6.4	9.6

Manual Integrations
 APPROVED

Sohil
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