

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020276.D
 Acq On : 18 Dec 2015 15:38
 Operator : UM/SJ
 Sample : G4767-13DL2 30X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL2

Manual Integrations
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Quant Time: Dec 21 09:48:12 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 23:45:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	15929	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	69757	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	51701	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	130550	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	168578	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	154515	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	588	0.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	449	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	574	0.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	448	0.37	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	138	0.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	173	0.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	555	0.45	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	700	0.51	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	3147	0.75	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	3523	0.72	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	3549	0.94	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	5163m	0.86	ng/ul	0.00
79) Pyrene-d10	19.85	212	5498	0.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	5685m	0.74	ng/ul	-0.01

Target Compounds

						Ovalue
28) Naphthalene	10.96	128	198847	54.59	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	72763	26.15	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	27721	7.11	ng/ul	93
50) Acenaphthene	14.79	153	124367	35.76	ng/ul	99
54) Dibenzofuran	15.13	168	127139	24.57	ng/ul	95
59) Fluorene	15.77	166	131400	31.63	ng/ul	98
70) Phenanthrene	17.52	178	569801	79.79	ng/ul	99
72) Anthracene	17.60	178	51270	7.08	ng/ul	99
75) Carbazole	17.87	167	19481	3.20	ng/ul	100
77) Fluoranthene	19.52	202	345055	41.35	ng/ul	98
80) Pyrene	19.88	202	222688	21.83	ng/ul	99
83) Benzo(a)anthracene	21.72	228	58206	5.92	ng/ul	96
85) Chrysene	21.79	228	46519	5.02	ng/ul	98
88) Benzo(b)fluoranthene	23.98	252	21587	2.32	ng/ul	95
89) Benzo(k)fluoranthene	24.03	252	10438m	1.17	ng/ul	
91) Benzo(a)pyrene	24.86	252	12662	1.44	ng/ul#	94

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

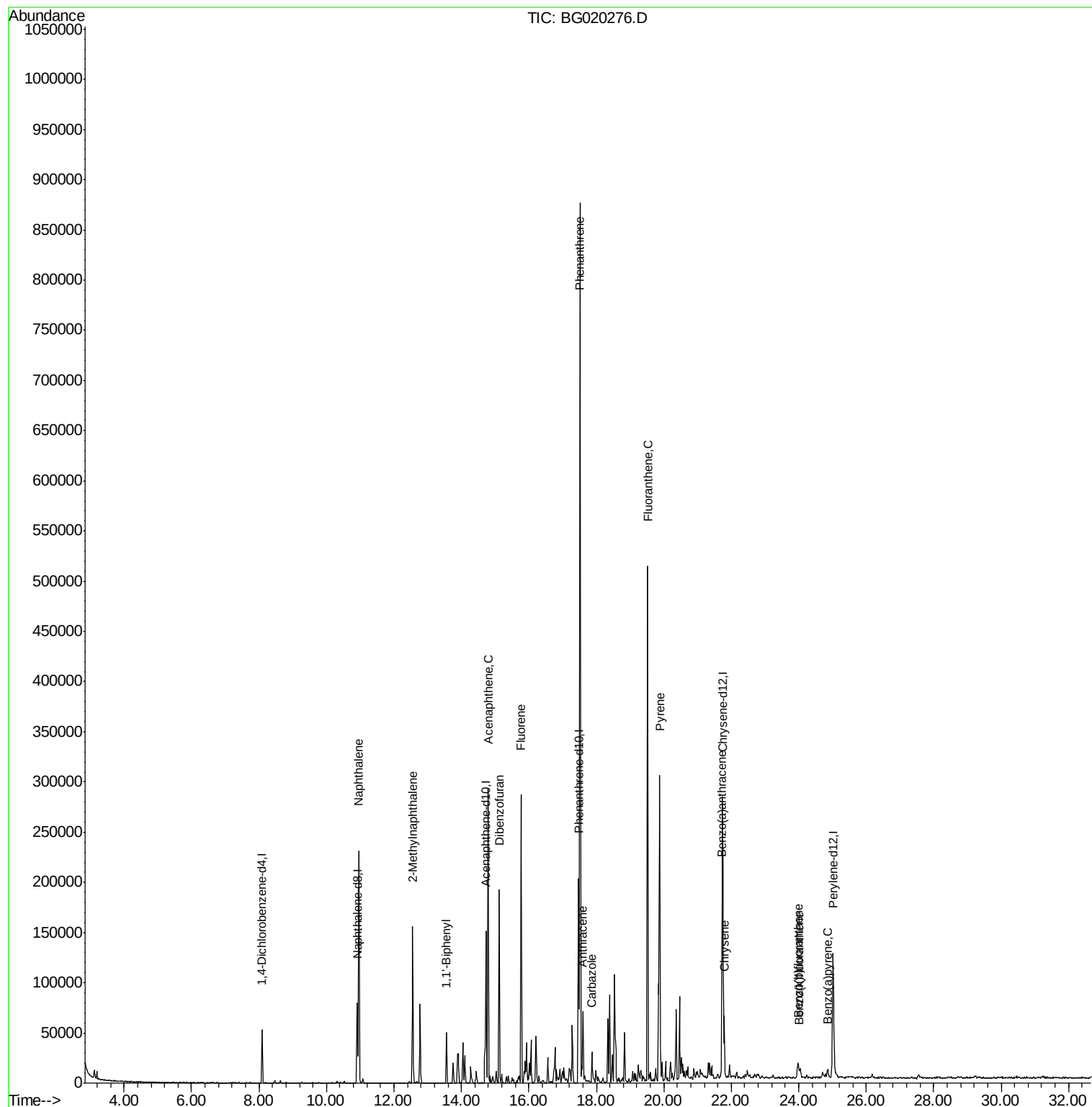
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

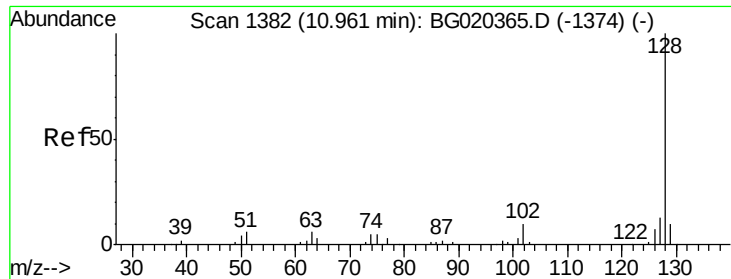
Instrument :
BNA_G
ClientSampleId :
D9N35DL2

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Quant Time: Dec 21 09:48:12 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





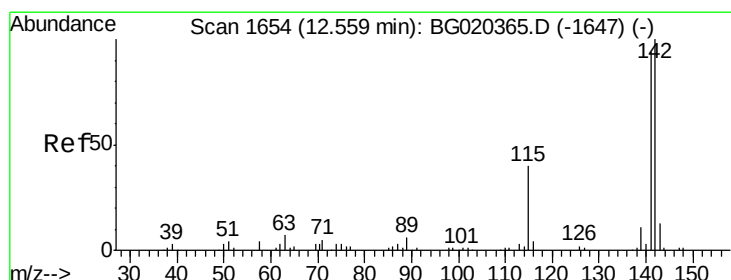
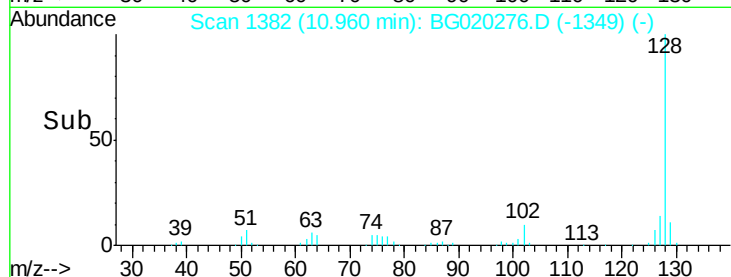
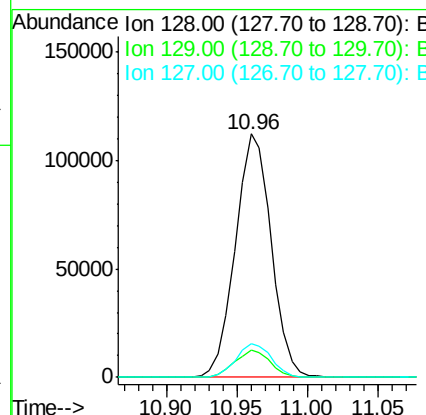
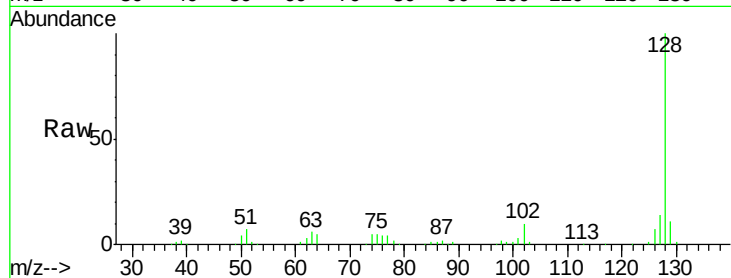
#28
Naphthalene
Concen: 54.59 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Instrument :
BNA_G
ClientSampleId :
D9N35DL2

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.6	10.1	15.1

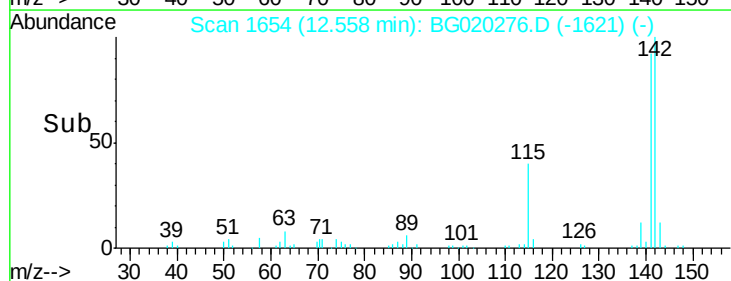
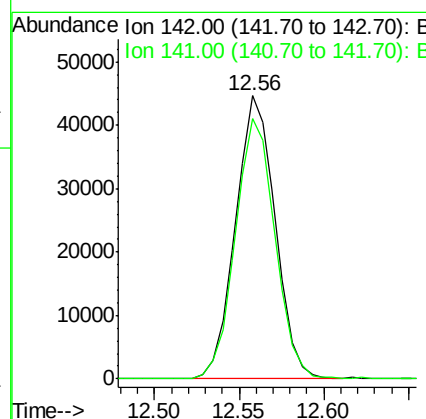
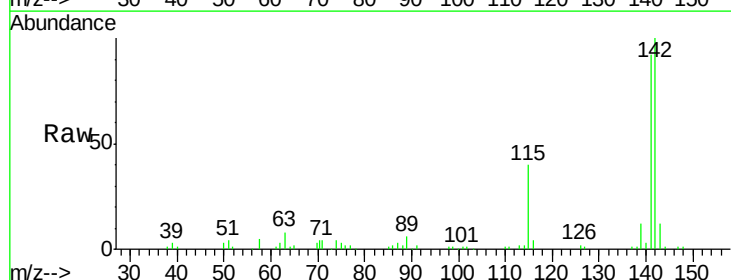
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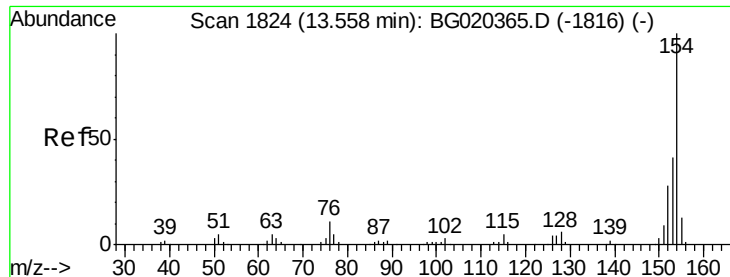
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#34
2-Methylnaphthalene
Concen: 26.15 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.9	112.3





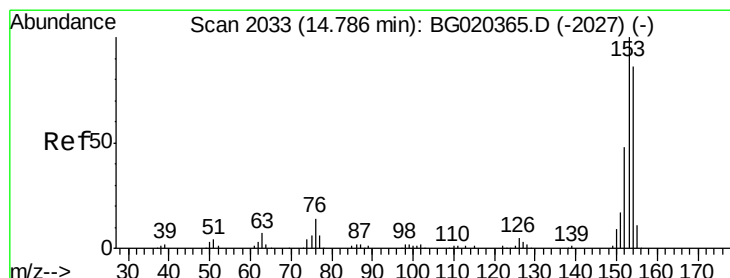
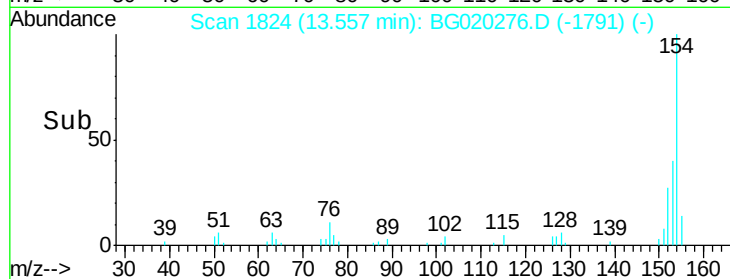
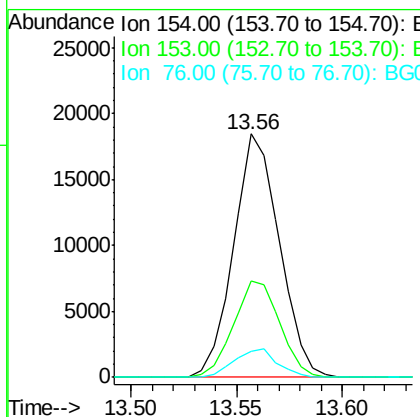
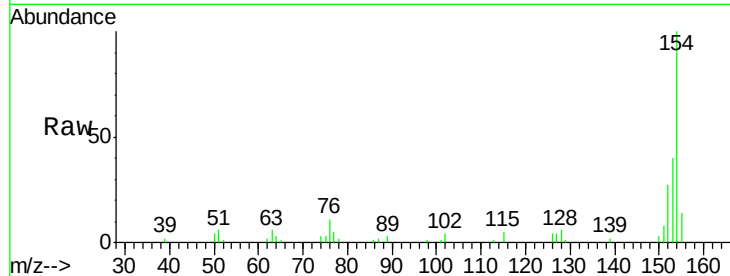
#41
 1,1'-Biphenyl
 Concen: 7.11 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020276.D
 Acq: 18 Dec 2015 15:38

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL2

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.8	35.5	53.3
76	10.9	10.4	15.6

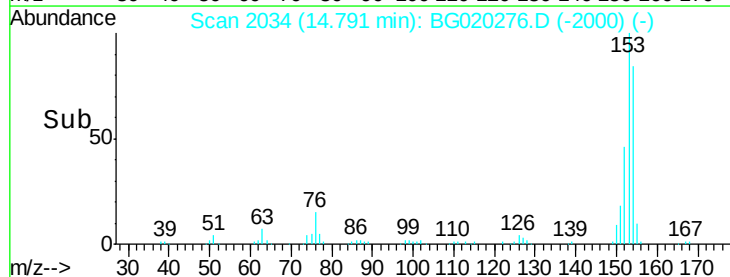
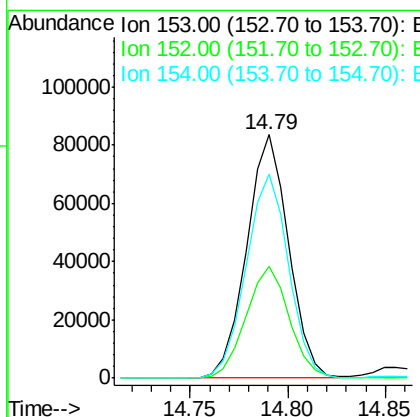
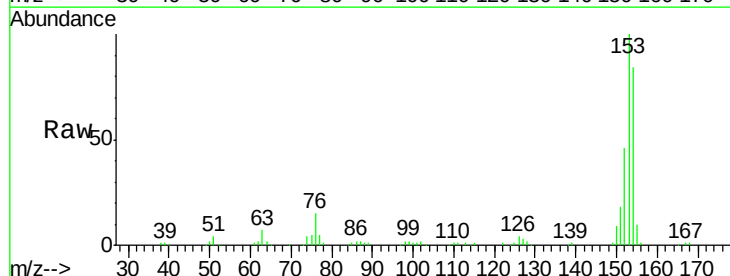
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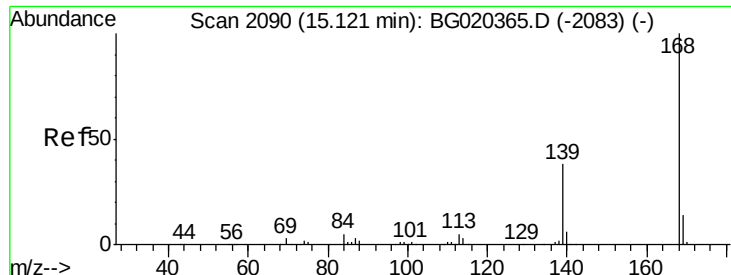
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#50
 Acenaphthene
 Concen: 35.76 ng/ul
 RT: 14.79 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BG020276.D
 Acq: 18 Dec 2015 15:38

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.6	56.4
154	83.9	67.9	101.9





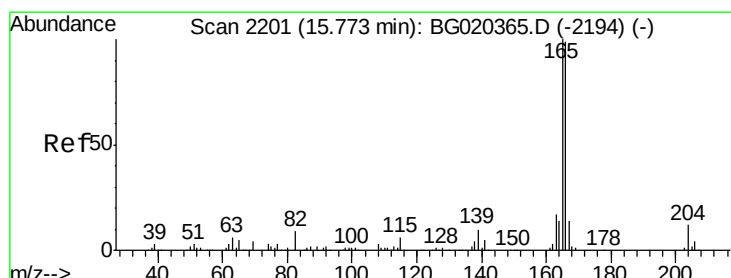
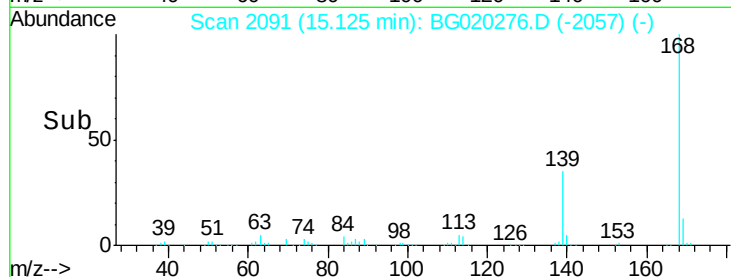
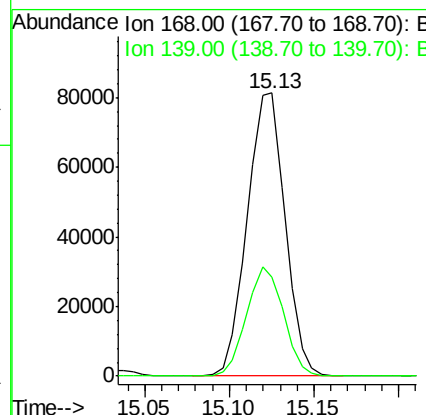
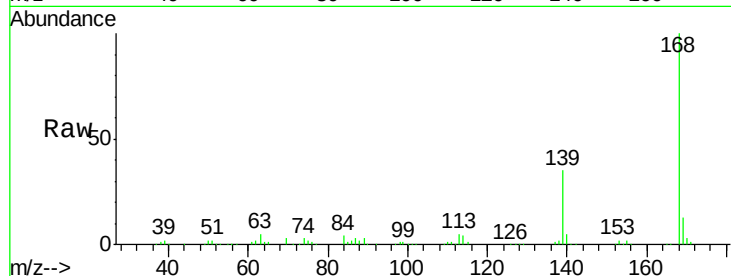
#54
Dibenzenofuran
Concen: 24.57 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Instrument :
BNA_G
ClientSampleId :
D9N35DL2

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.1	30.5	45.7

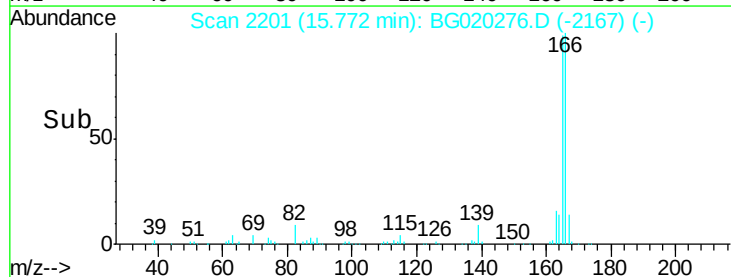
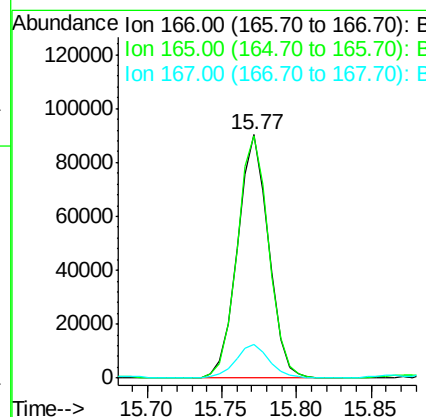
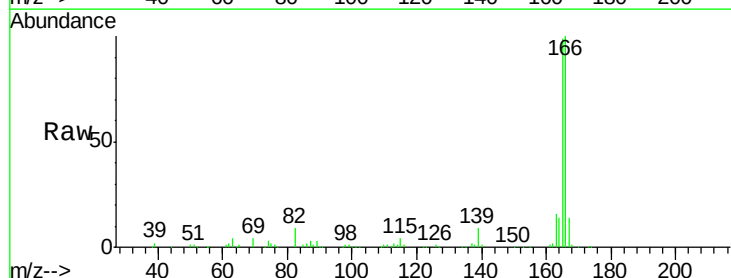
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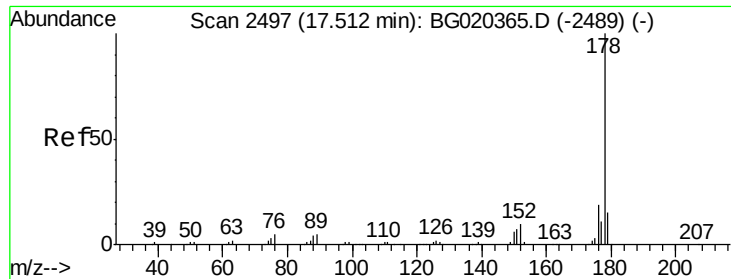
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#59
Fluorene
Concen: 31.63 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	81.4	122.0
167	13.7	11.2	16.8





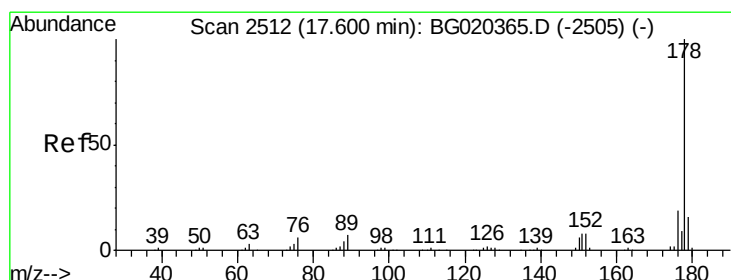
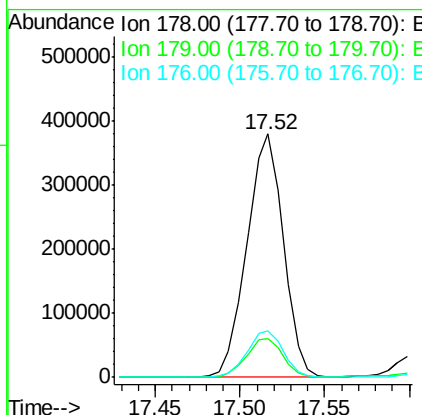
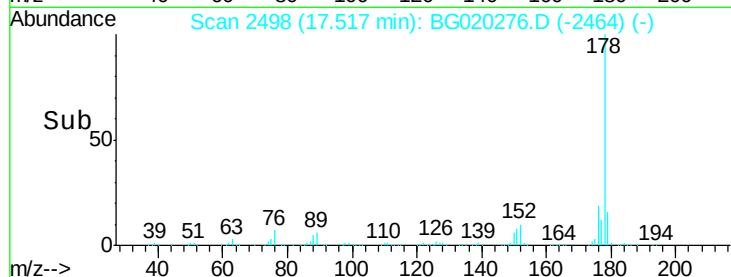
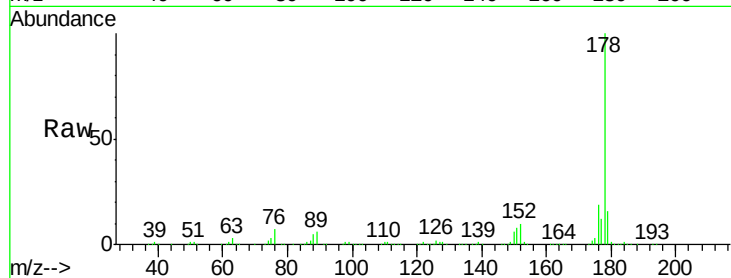
#70
 Phenanthrene
 Concen: 79.79 ng/ul
 RT: 17.52 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: BG020276.D
 Acq: 18 Dec 2015 15:38

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL2

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

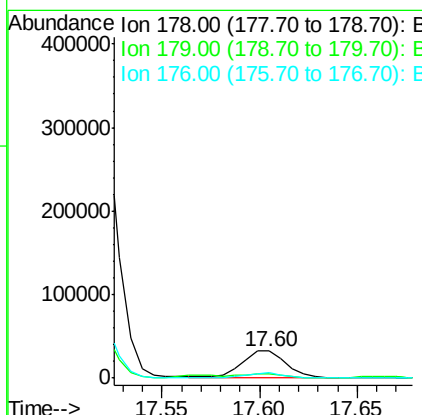
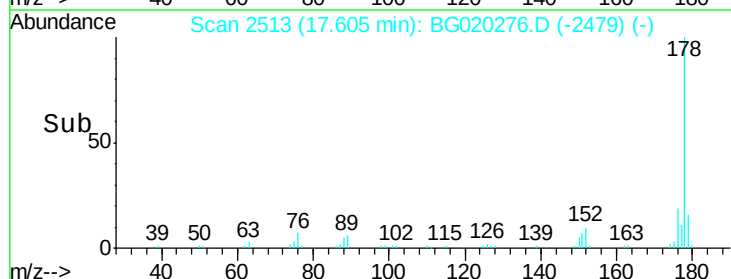
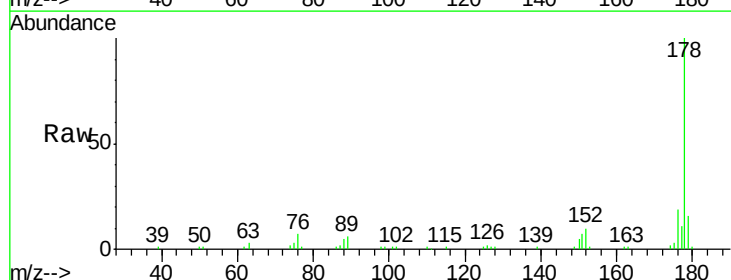
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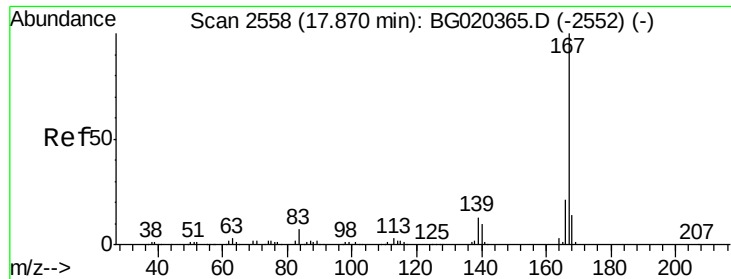
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#72
 Anthracene
 Concen: 7.08 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG020276.D
 Acq: 18 Dec 2015 15:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	18.6	14.3	21.5





#75

Carbazole

Concen: 3.20 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020276.D

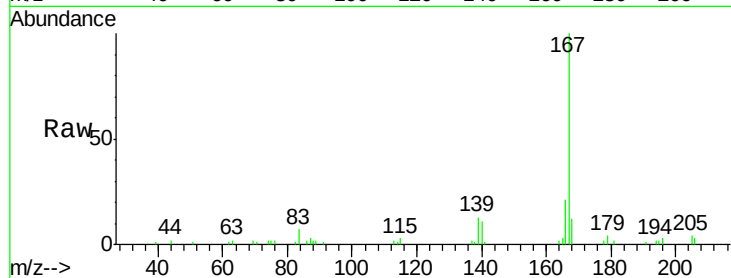
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Instrument :

BNA_G

ClientSampleId :

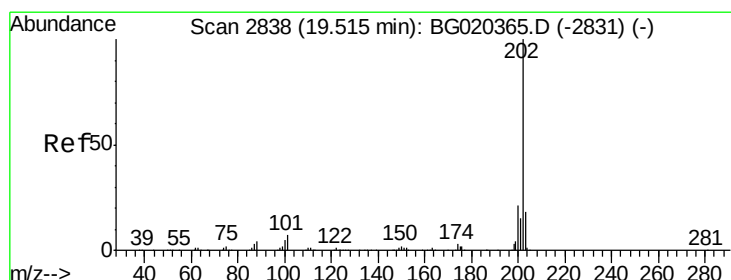
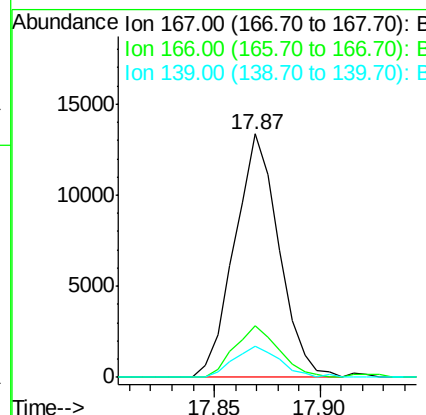
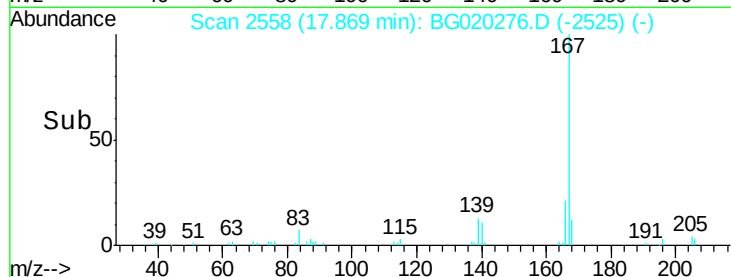
D9N35DL2



Tot Ion:	167	Resp:	19481
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.6
139	12.8	10.1	15.1

Manual Integrations
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#77

Fluoranthene

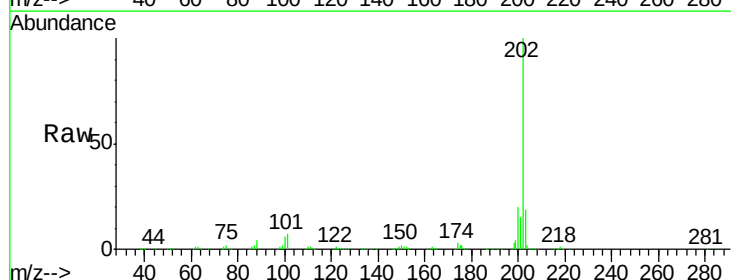
Concen: 41.35 ng/ul

RT: 19.52 min Scan# 2839

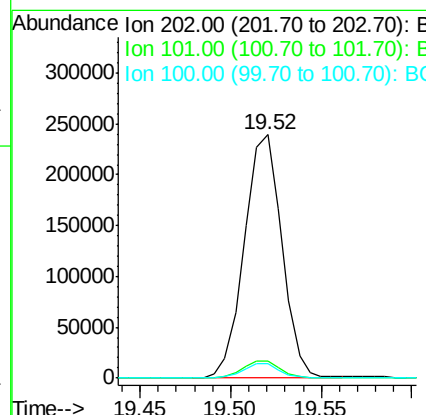
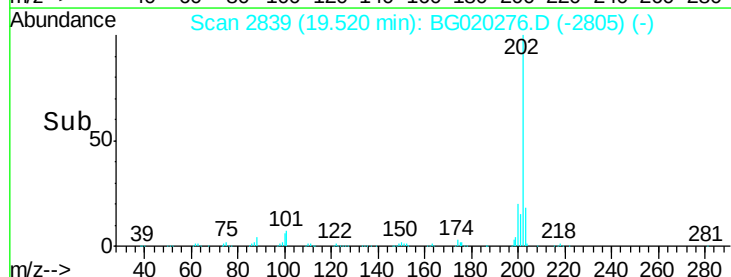
Delta R.T. 0.00 min

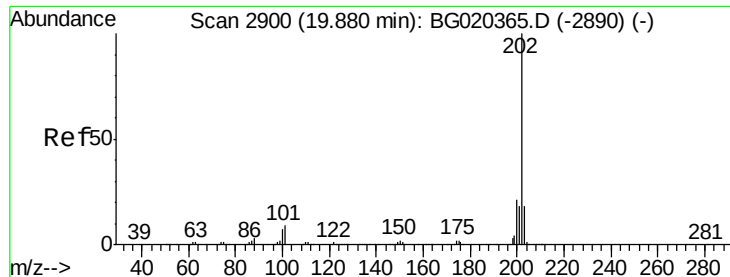
Lab File: BG020276.D

Acq: 18 Dec 2015 15:38



Tgt Ion:	202	Resp:	345055
Ion Ratio	Lower	Upper	
202	100		
101	7.0	6.2	9.4
100	5.9	5.1	7.7





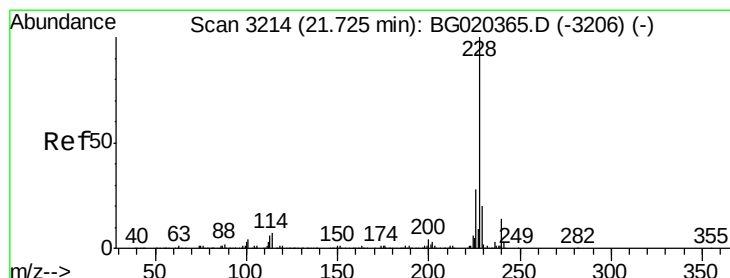
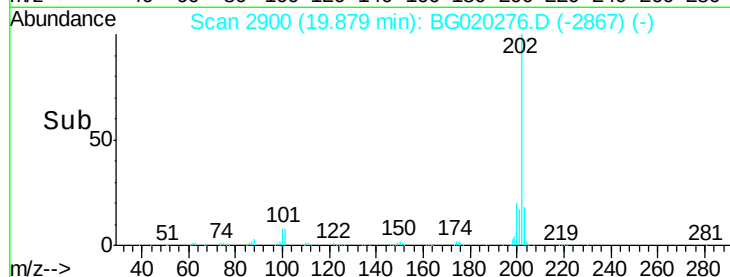
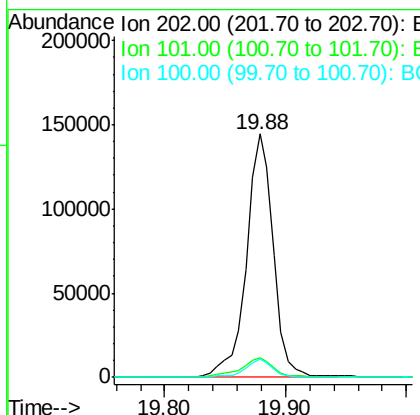
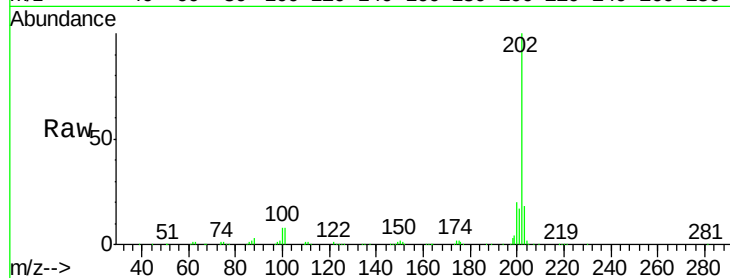
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Pvrene
Concen: 21.83 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Instrument :
BNA_G
ClientSampleId :
D9N35DL2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.0	7.0	10.4
100	7.7	6.4	9.6

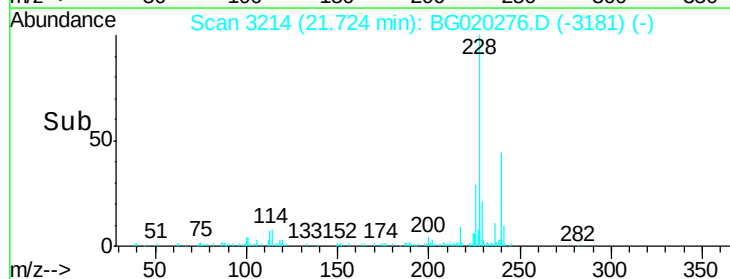
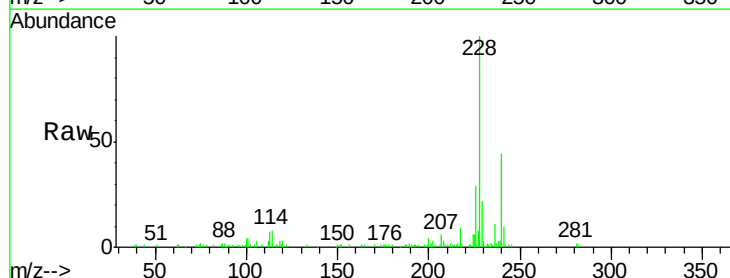
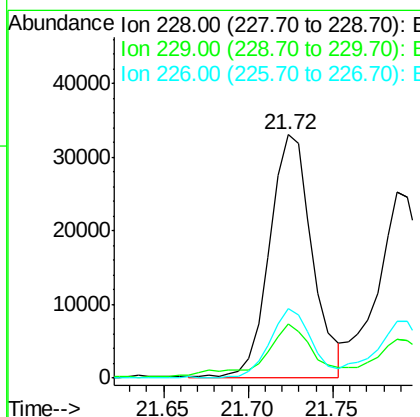
Manual Integrations
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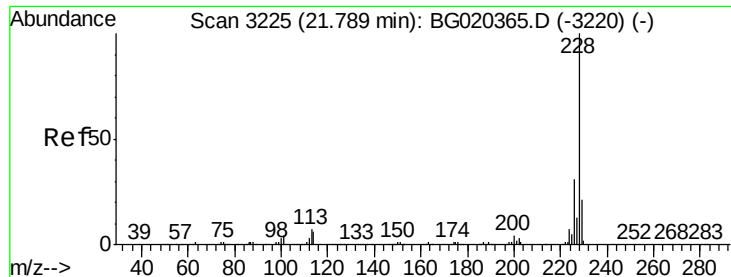
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#83
Benzo(a)anthracene
Concen: 5.92 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	22.0	15.8	23.8
226	28.8	21.8	32.6





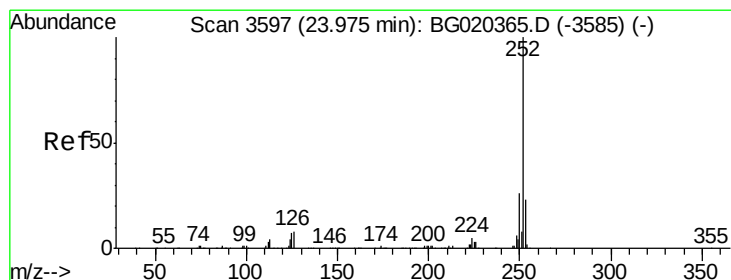
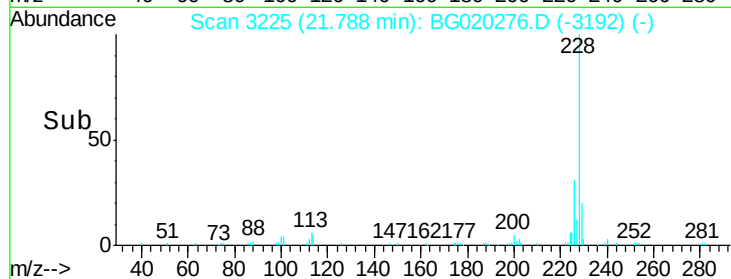
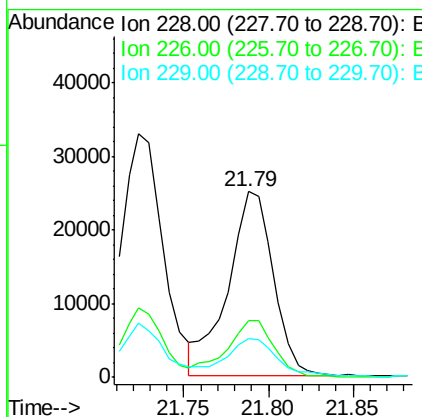
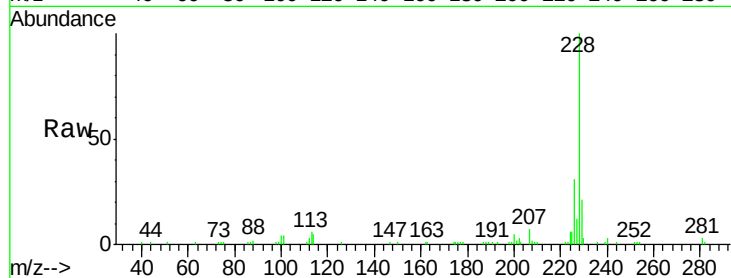
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 Chrysene
 Concen: 5.02 ng/ul
 RT: 21.79 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: BG020276.D
 Acq: 18 Dec 2015 15:38

Instrument :
 BNA_G
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 D9N35DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.9	35.9
229	20.9	15.6	23.4

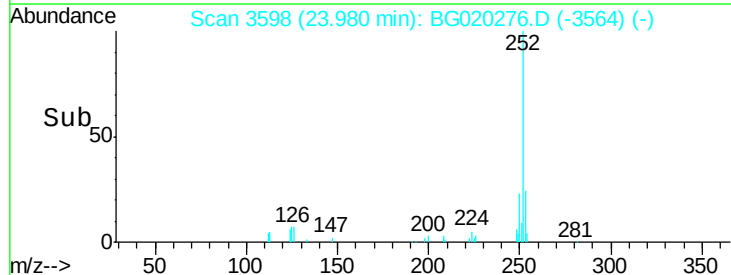
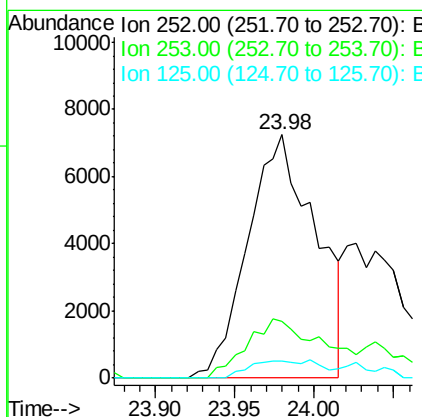
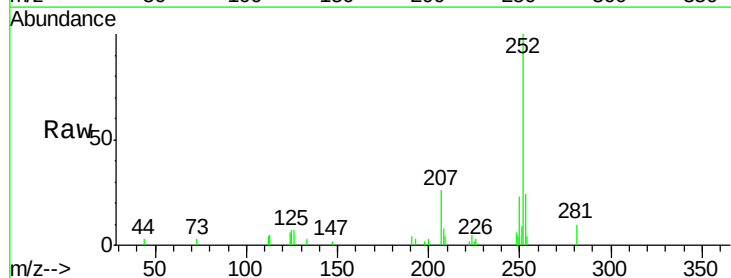
Manual Integrations
 APPROVED

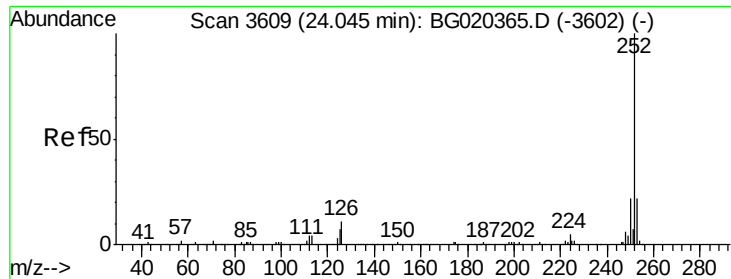
apatel
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#88
 Benzo(b)fluoranthene
 Concen: 2.32 ng/ul
 RT: 23.98 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: BG020276.D
 Acq: 18 Dec 2015 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.7	25.1
125	6.9	6.2	9.2





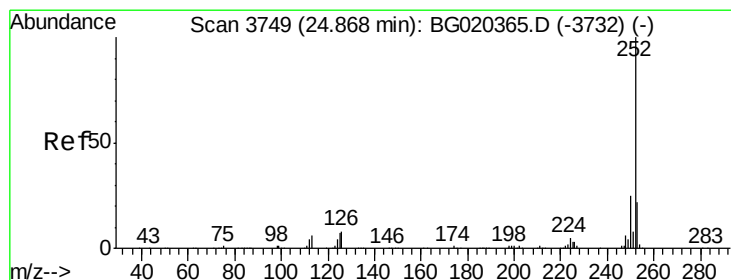
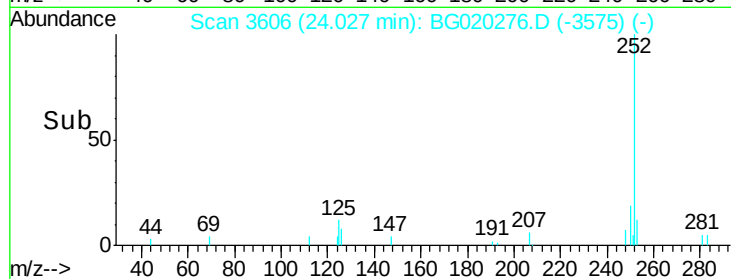
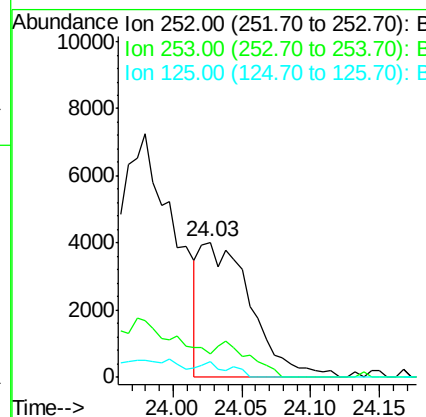
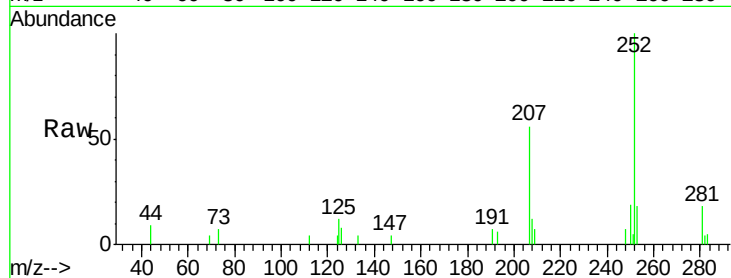
#89
Benzo(k)fluoranthene
Concen: 1.17 ng/ul m
RT: 24.03 min Scan# 3606
Delta R.T. -0.02 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Instrument :
BNA_G
ClientSampleId :
D9N35DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	17.5	17.9	26.9#
125	11.5	5.8	8.6#

Manual Integrations
APPROVED

apatel
12/22/2015 12:33:49 PM



#91
Benzo(a)pyrene
Concen: 1.44 ng/ul
RT: 24.86 min Scan# 3748
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	9.5	6.2	9.4#

