

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020279.D
 Acq On : 18 Dec 2015 17:37
 Operator : UM/SJ
 Sample : G4767-19DL2 30X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N41DL2

Manual Integrations
 APPROVED

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 12/22/2015 12:34:43 PM

Quant Time: Dec 21 09:56:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 00:45:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	17086	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	73632	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	52440	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	132571	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	175231	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	160877	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	7.24	99	1472	0.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	862	0.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1139	1.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1309	1.02	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	613	1.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	539	0.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	1268	0.98	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1665	1.15	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	5480	1.29	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	5787	1.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	380	0.50	ng/ul	0.00
58) Fluorene-d10	15.71	176	5234	1.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.57	188	7895m	1.29	ng/ul	0.00
79) Pyrene-d10	19.85	212	9322	1.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	11175	1.39	ng/ul	-0.01

Target Compounds

						Ovalue
28) Naphthalene	10.96	128	147770	38.43	ng/ul	99
34) 2-Methylnaphthalene	12.56	142	47260	16.09	ng/ul	96
41) 1,1'-Biphenyl	13.56	154	20822	5.26	ng/ul	94
48) Acenaphthylene	14.45	152	6702	1.28	ng/ul	93
50) Acenaphthene	14.79	153	90478	25.65	ng/ul	98
54) Dibenzofuran	15.12	168	98385	18.75	ng/ul	99
59) Fluorene	15.77	166	91117	21.62	ng/ul	98
70) Phenanthrene	17.52	178	445185	61.39	ng/ul	99
72) Anthracene	17.60	178	41405	5.63	ng/ul	99
75) Carbazole	17.87	167	31436	5.09	ng/ul	99
77) Fluoranthene	19.52	202	258937	30.55	ng/ul	98
80) Pyrene	19.88	202	174294	16.43	ng/ul	98
83) Benzo(a)anthracene	21.72	228	41263	4.04	ng/ul	98
85) Chrysene	21.79	228	35566	3.69	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	15947	1.65	ng/ul	100
89) Benzo(k)fluoranthene	24.04	252	9345m	1.01	ng/ul	
91) Benzo(a)pyrene	24.86	252	11082	1.21	ng/ul#	92

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

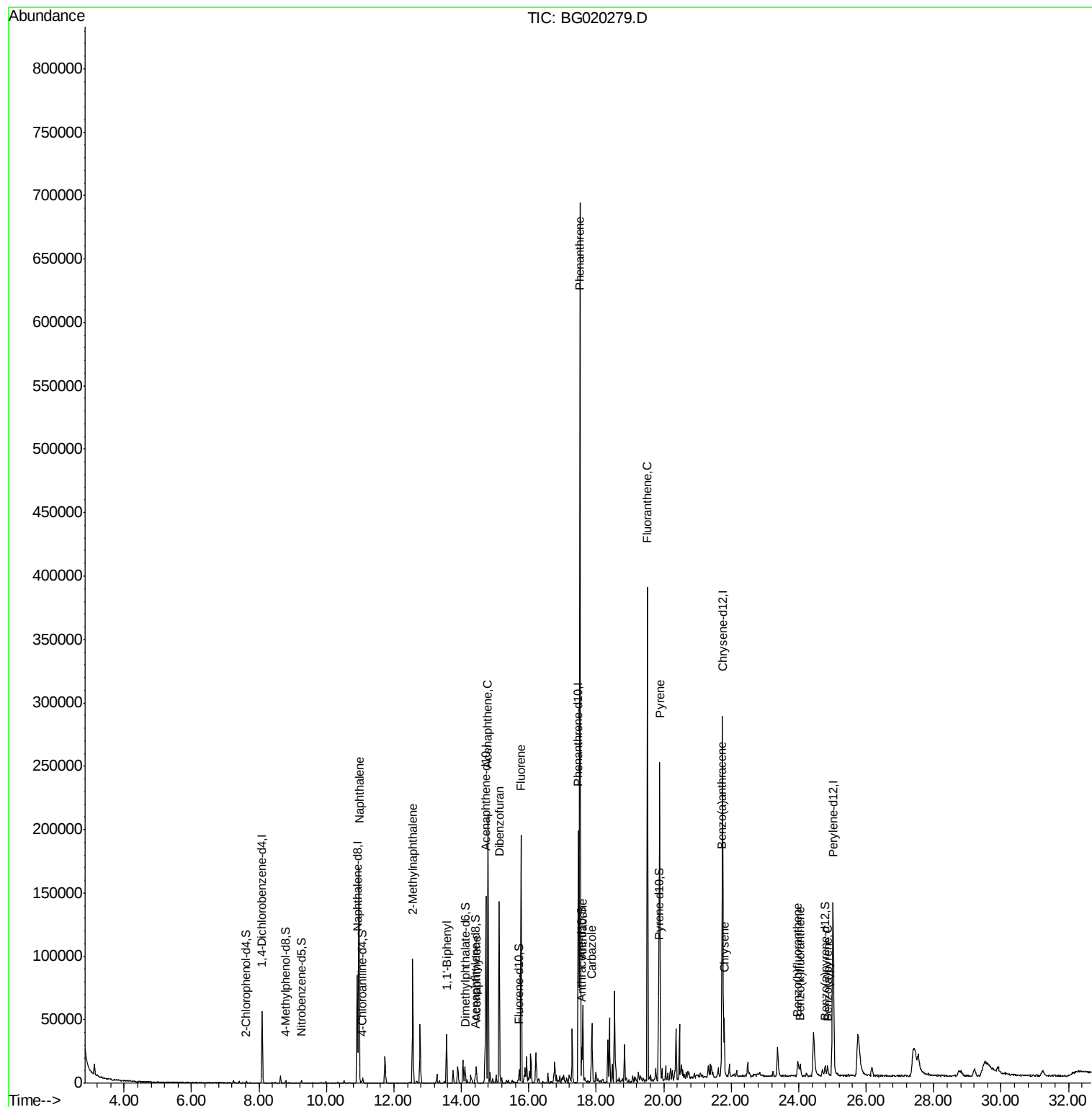
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

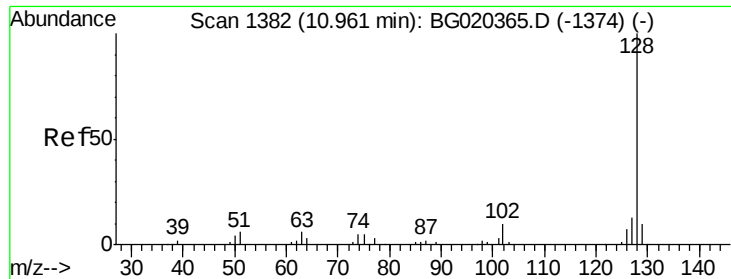
Instrument :
BNA_G
ClientSampleId :
D9N41DL2

Manual Integrations
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Quant Time: Dec 21 09:56:45 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





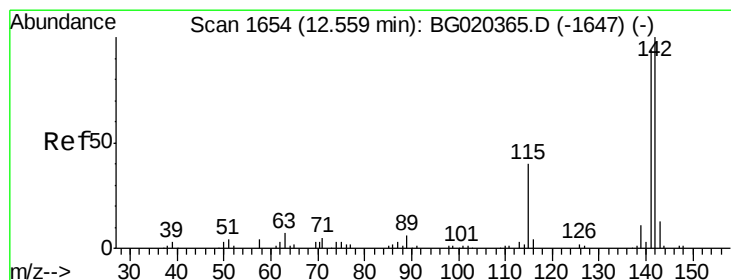
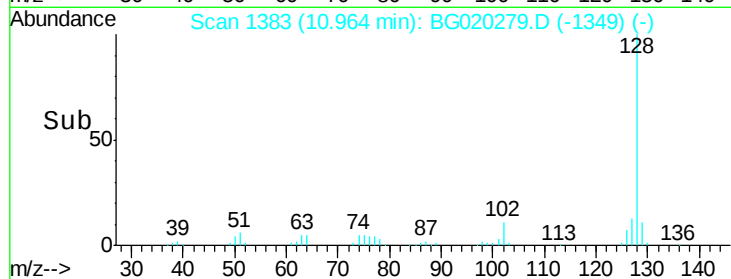
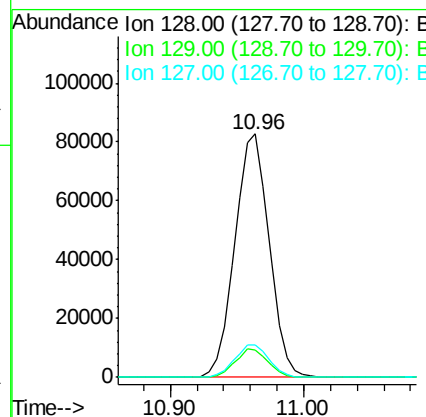
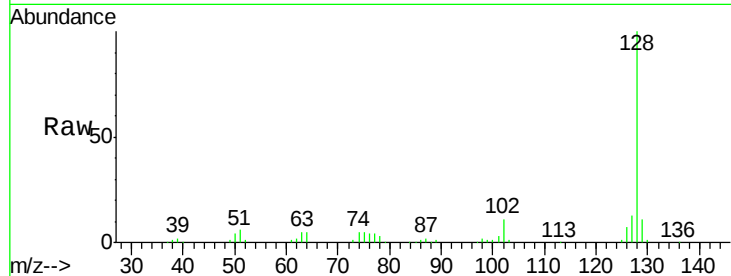
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Naphthalene
Concen: 38.43 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Instrument :
BNA_G
ClientSampleId :
D9N41DL2

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.1	15.1

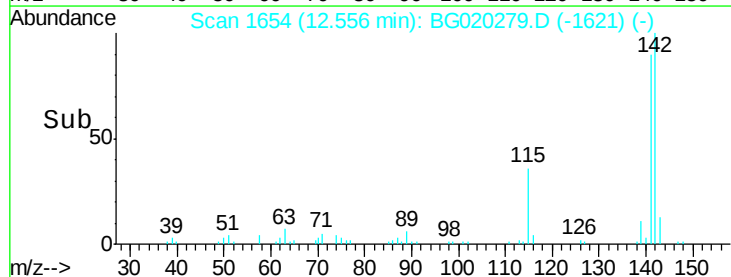
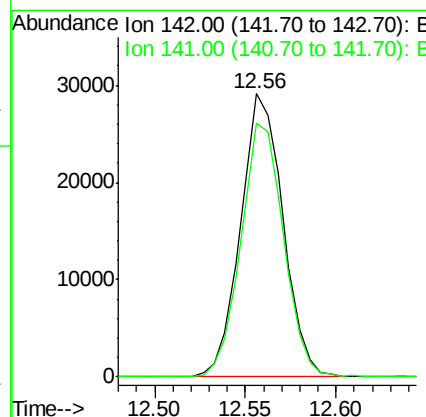
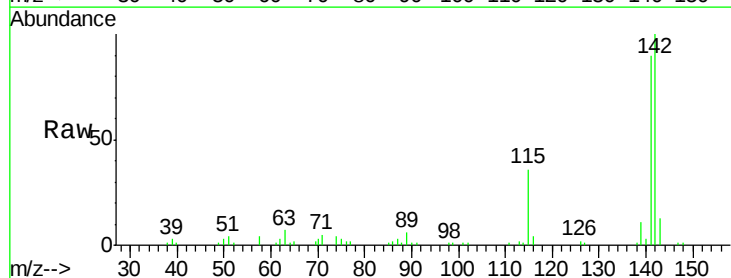
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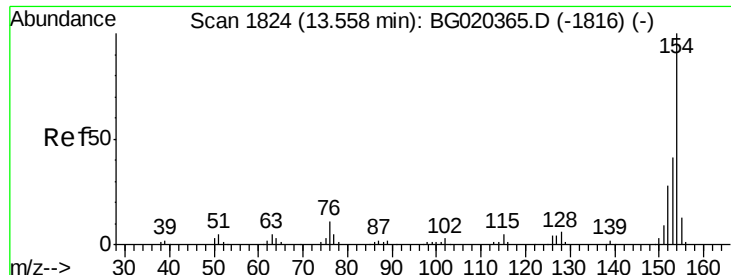
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#34
2-Methylnaphthalene
Concen: 16.09 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	74.9	112.3





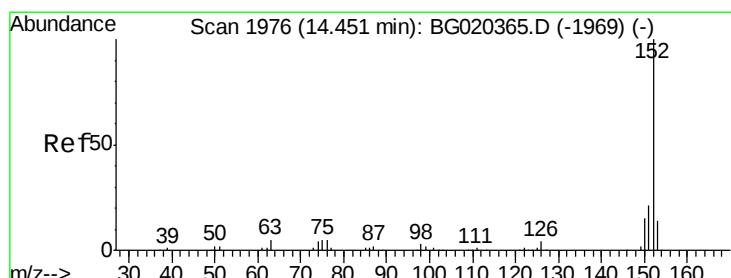
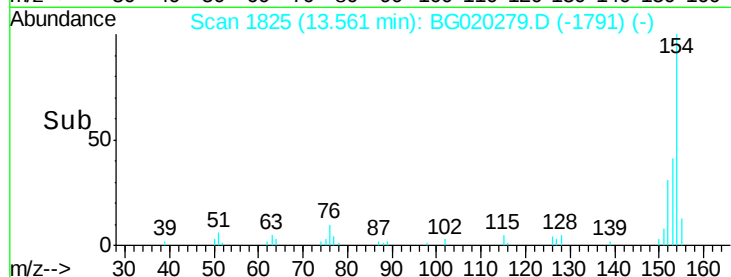
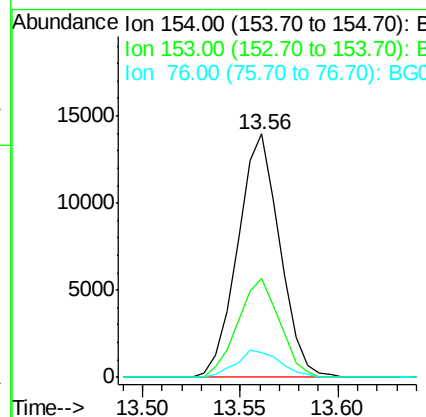
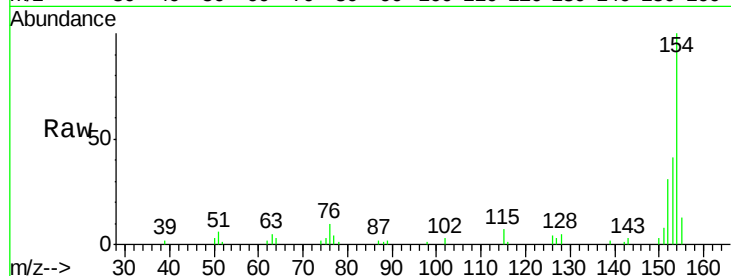
#41
 1,1'-Biphenyl
 Concen: 5.26 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020279.D
 Acq: 18 Dec 2015 17:37

Instrument :
 BNA_G
 ClientSampleId :
 D9N41DL2

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	35.5	53.3
76	10.4	10.4	15.6

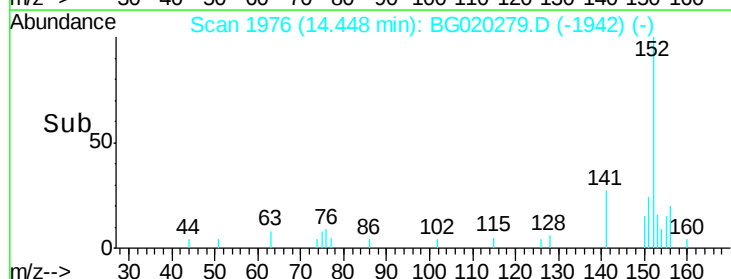
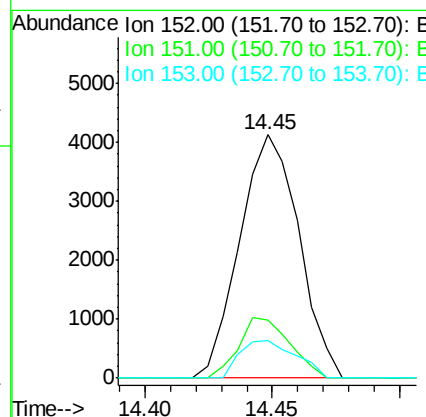
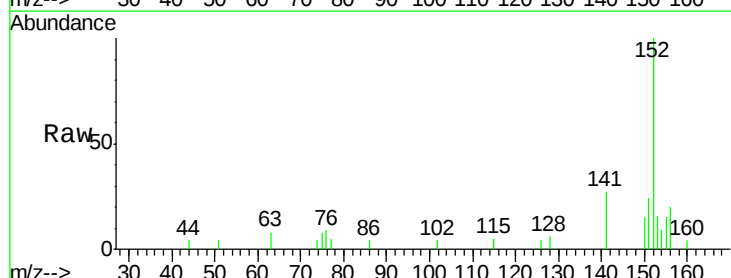
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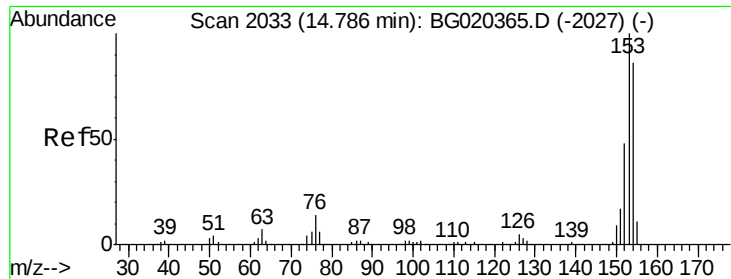
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#48
 Acenaphthylene
 Concen: 1.28 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: BG020279.D
 Acq: 18 Dec 2015 17:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.6	16.4	24.6
153	15.5	10.4	15.6





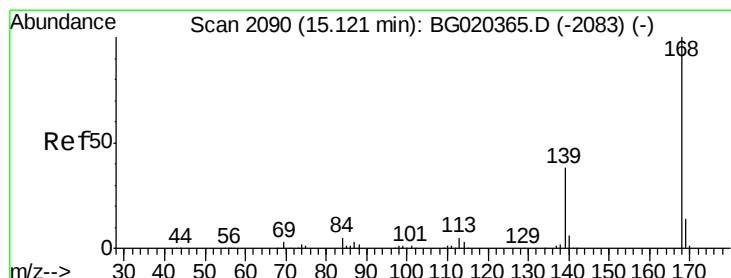
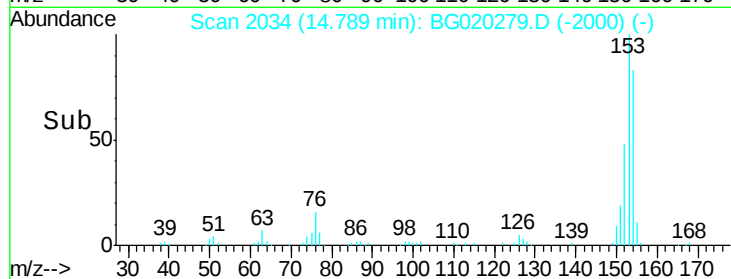
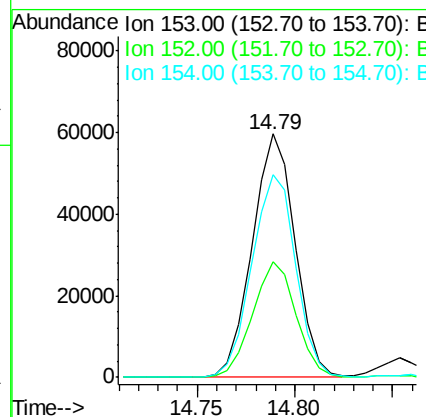
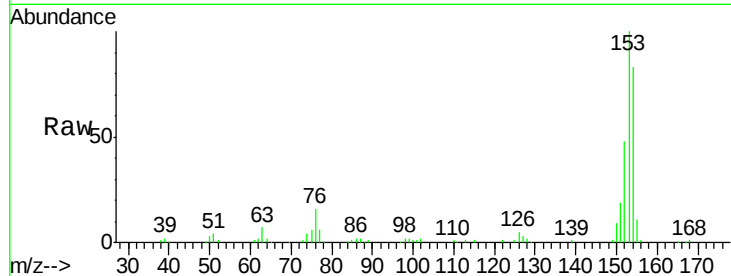
#50
Acenaphthene
Concen: 25.65 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Instrument :
BNA_G
ClientSampleId :
D9N41DL2

Tot Ion	Ratio	Lower	Upper
153	100		
152	47.7	37.6	56.4
154	83.0	67.9	101.9

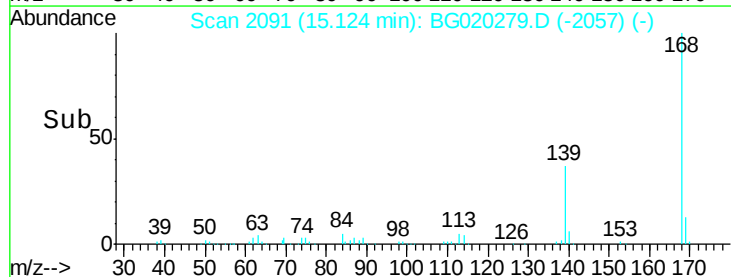
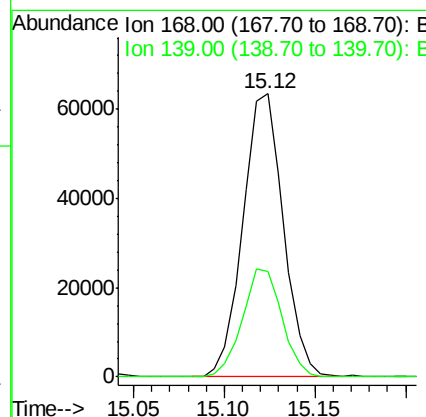
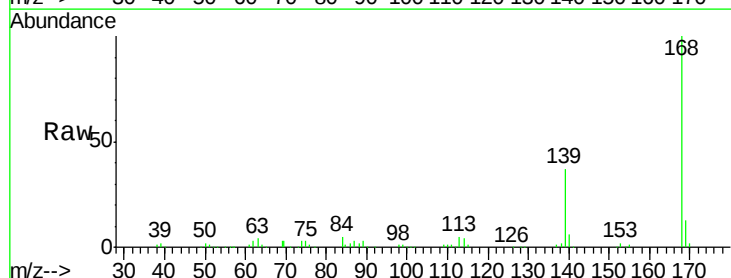
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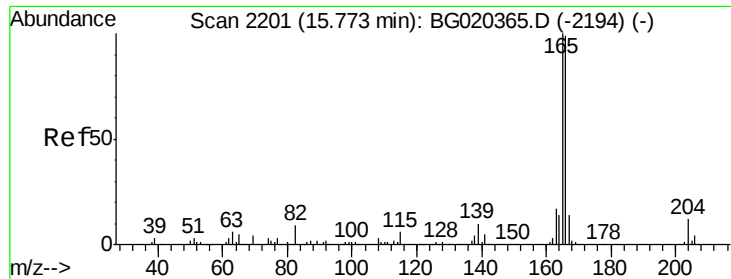
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#54
Dibenzofuran
Concen: 18.75 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.5	45.7





#59

Fluorene

Concen: 21.62 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Instrument :

BNA_G

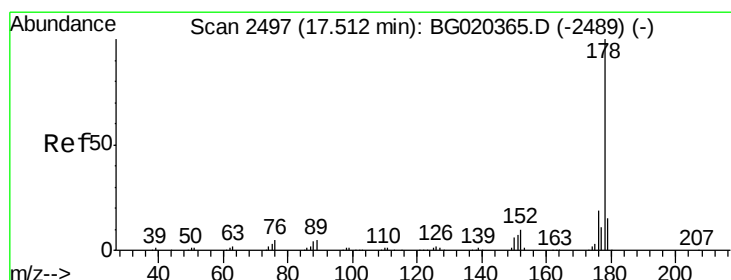
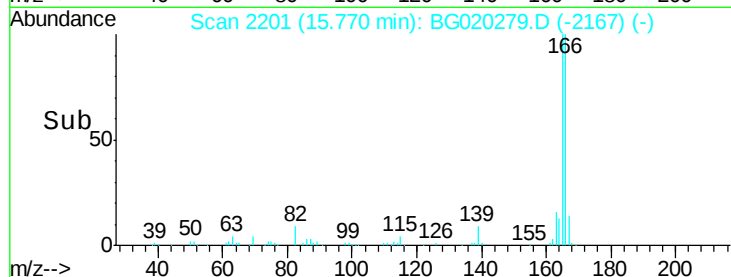
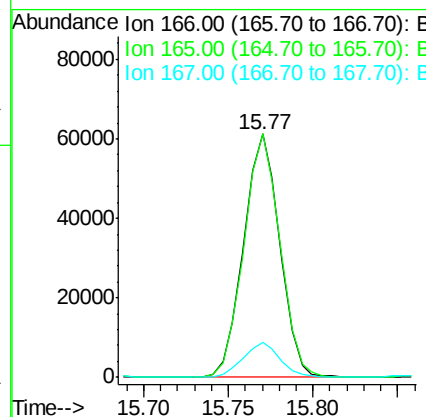
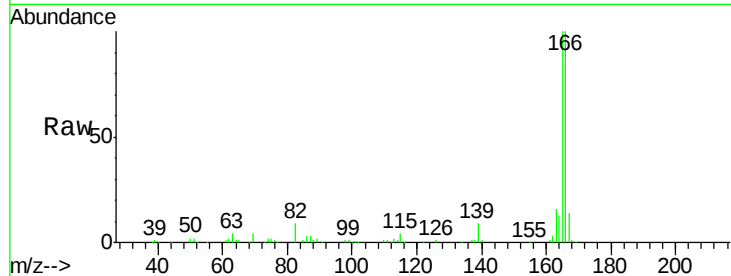
ClientSampleId :

D9N41DL2

Tot Ion:	166	Resp:	91117
Ion Ratio	Lower	Upper	
166	100		
165	99.9	81.4	122.0
167	14.3	11.2	16.8

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#70

Phenanthrene

Concen: 61.39 ng/ul

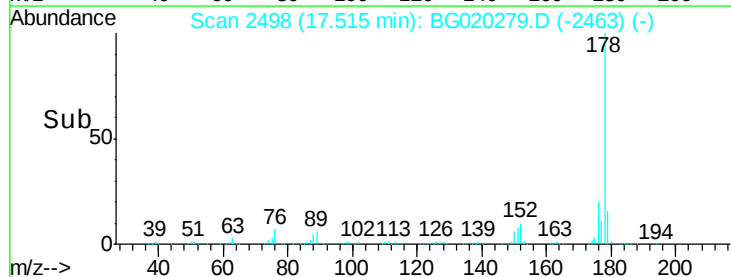
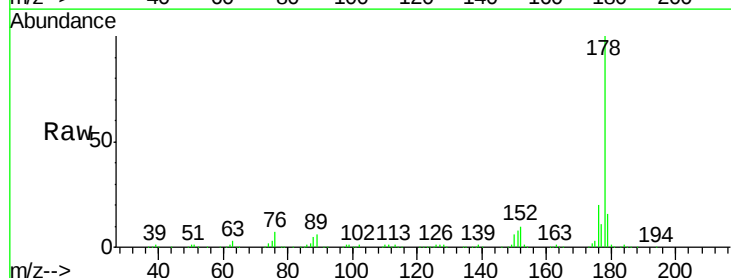
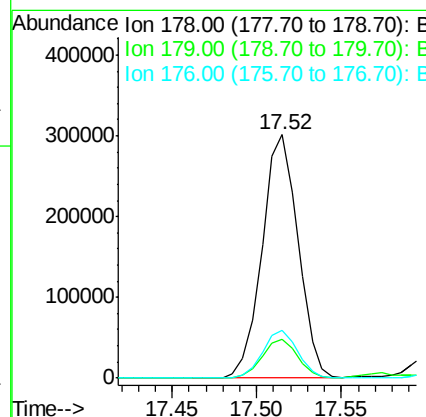
RT: 17.52 min Scan# 2498

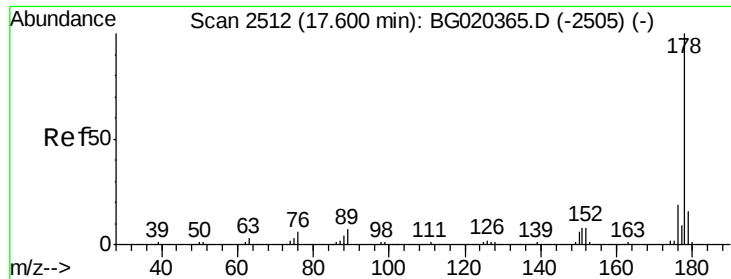
Delta R.T. 0.01 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Tgt Ion:	178	Resp:	445185
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.9	19.3
176	19.6	15.3	22.9





#72

Anthracene

Concen: 5.63 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Instrument :

BNA_G

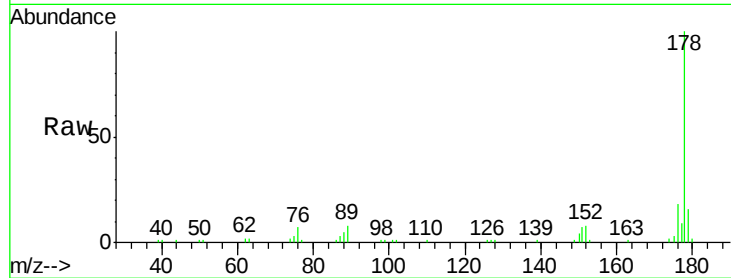
ClientSampleId :

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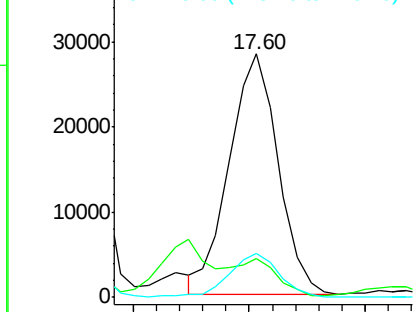
Tot Ion:	178	Resp:	41405
Ion Ratio	Lower	Upper	
178	100		
179	16.2	12.3	18.5
176	18.0	14.3	21.5

Manual Integrations
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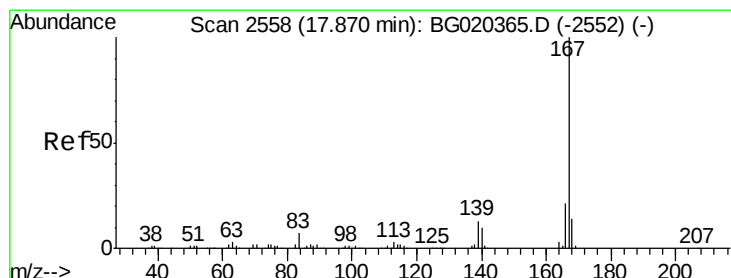
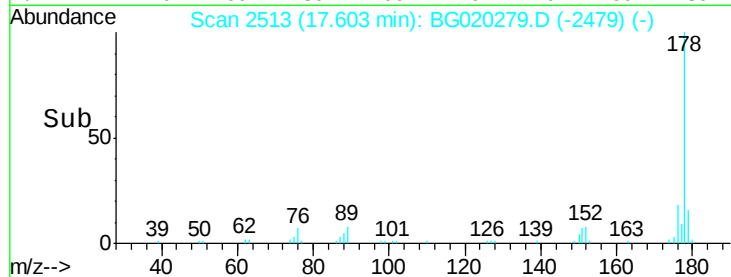
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time--> 17.55 17.60 17.65



#75

Carbazole

Concen: 5.09 ng/ul

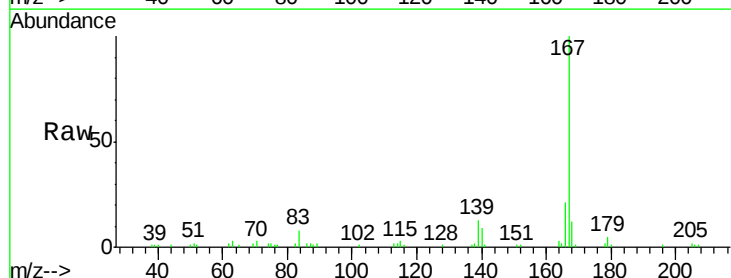
RT: 17.87 min Scan# 2558

Delta R.T. -0.01 min

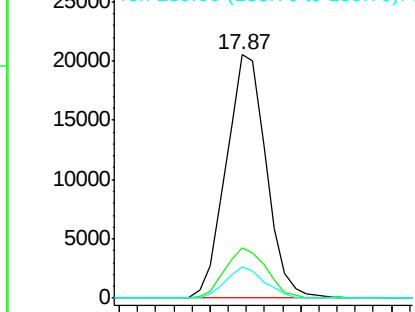
Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

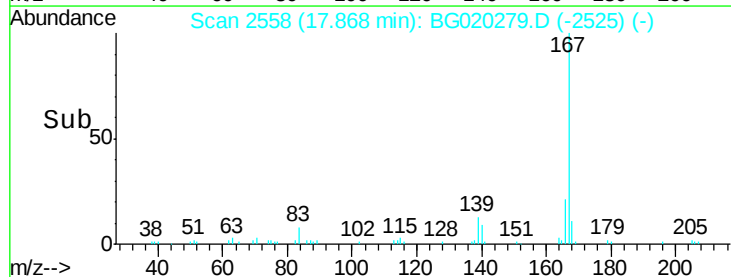
Tgt Ion:	167	Resp:	31436
Ion Ratio	Lower	Upper	
167	100		
166	20.5	17.0	25.6
139	12.7	10.1	15.1

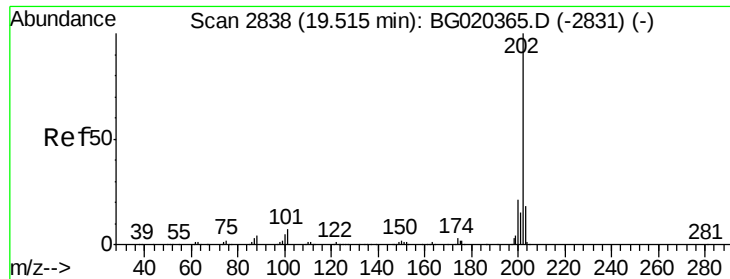


Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time--> 17.80 17.85 17.90





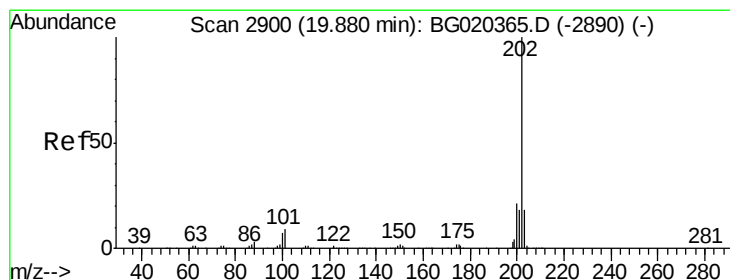
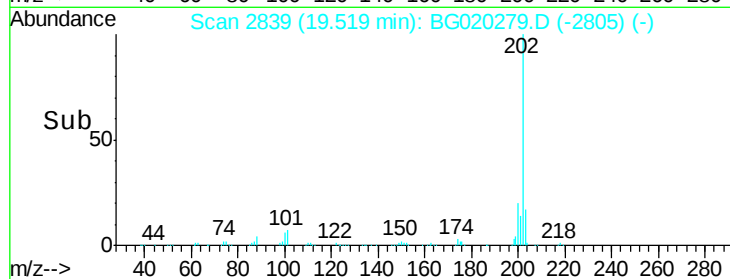
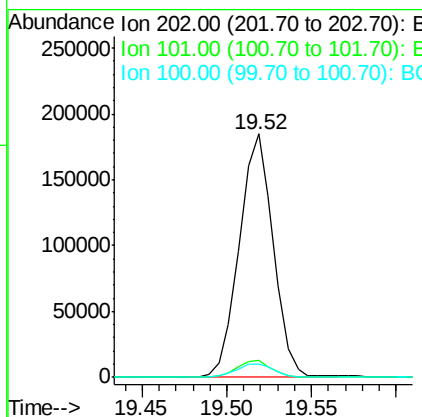
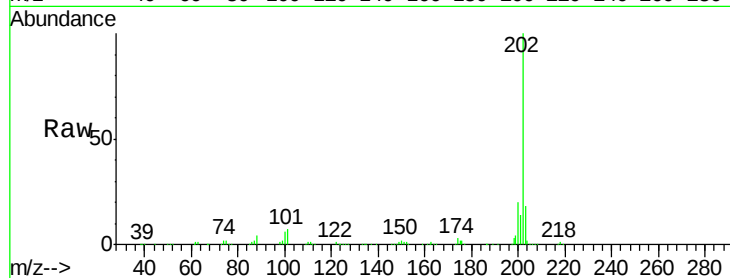
#77
Fluoranthene
Concen: 30.55 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Instrument :
BNA_G
ClientSampleId :
D9N41DL2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.0	6.2	9.4
100	5.6	5.1	7.7

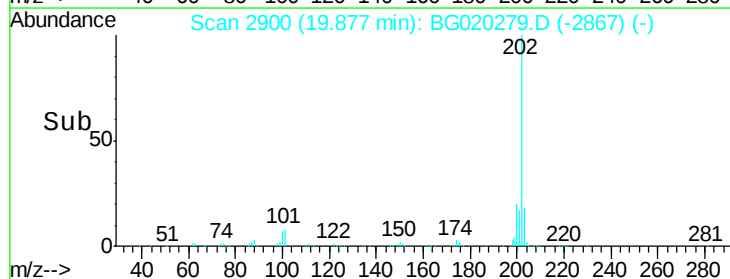
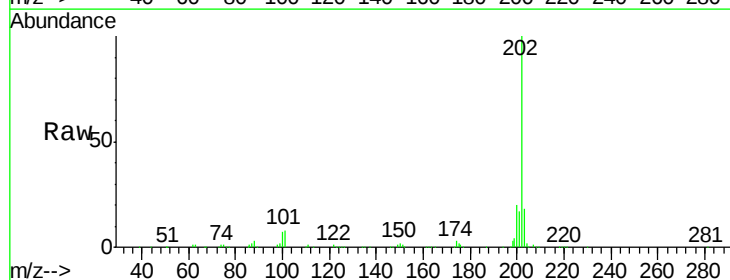
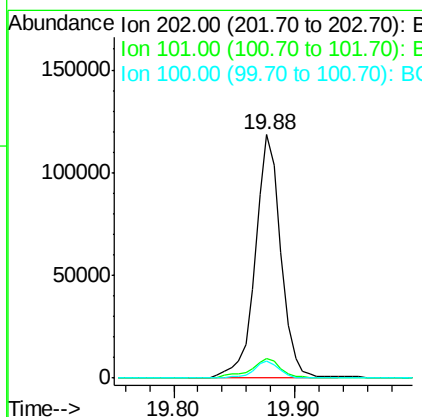
Manual Integrations
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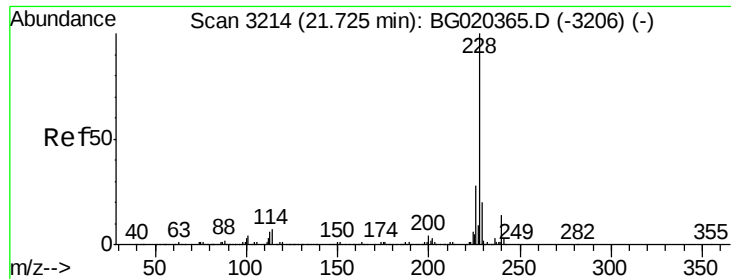
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#80
Pyrene
Concen: 16.43 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.01 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.3	7.0	10.4
100	7.1	6.4	9.6





#83

Benzo(a)anthracene

Concen: 4.04 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.01 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Instrument :

BNA_G

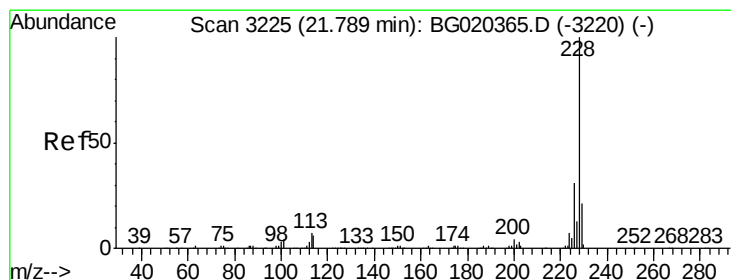
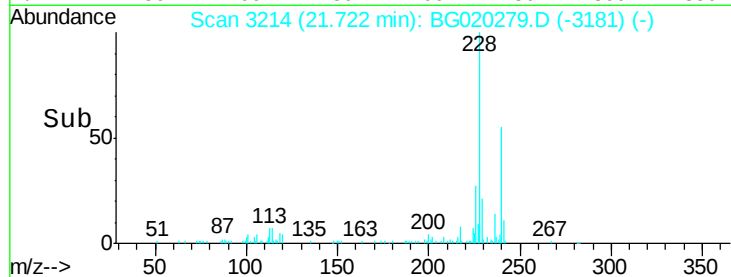
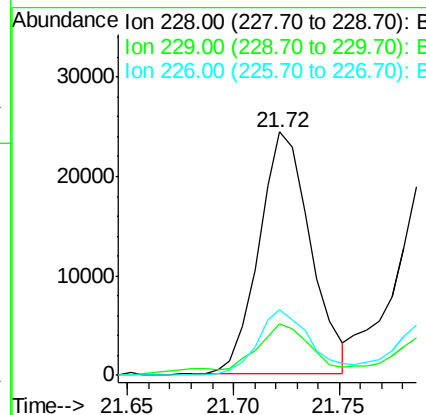
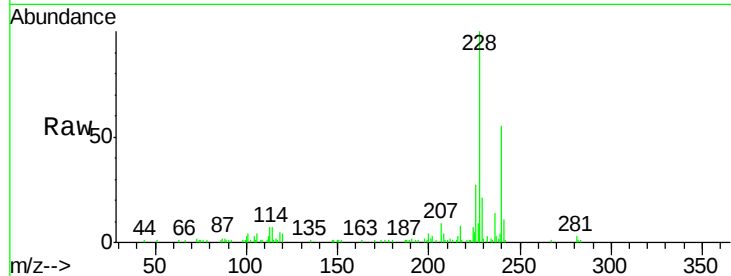
ClientSampleId :

D9N41DL2

Tot Ion:	228	Resp:	41263
Ion Ratio	Lower	Upper	
228	100		
229	21.2	15.8	23.8
226	26.8	21.8	32.6

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#85

Chrysene

Concen: 3.69 ng/ul

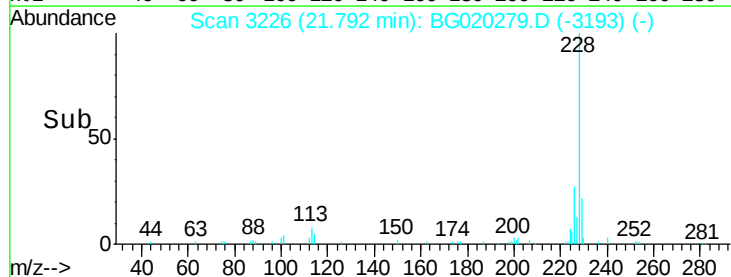
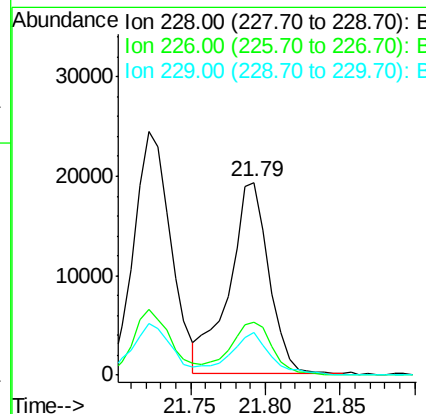
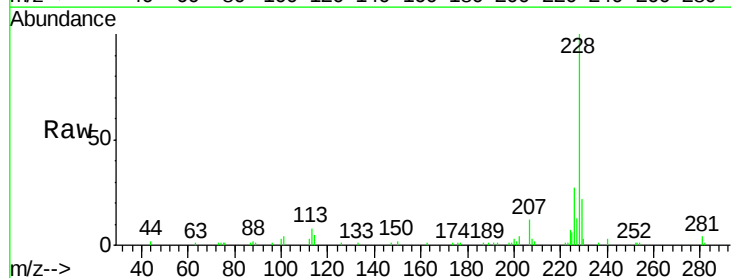
RT: 21.79 min Scan# 3226

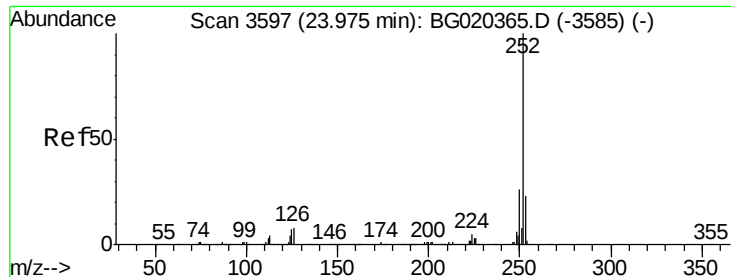
Delta R.T. -0.01 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Tgt Ion:	228	Resp:	35566
Ion Ratio	Lower	Upper	
228	100		
226	27.2	23.9	35.9
229	22.1	15.6	23.4





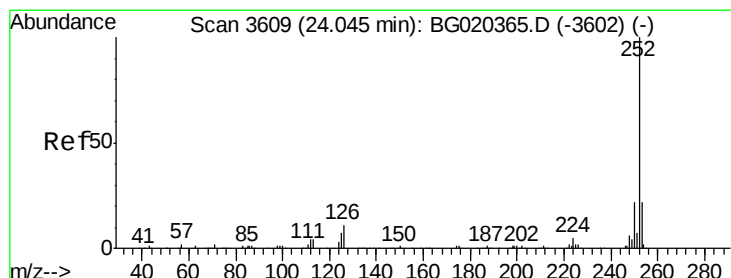
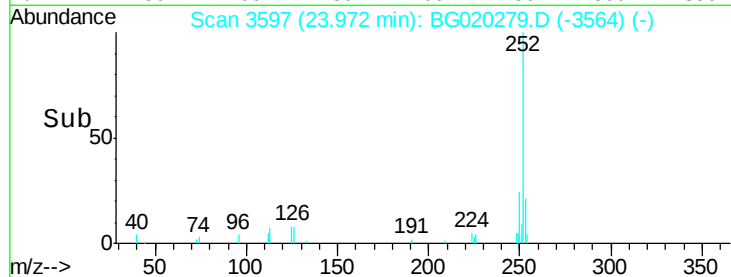
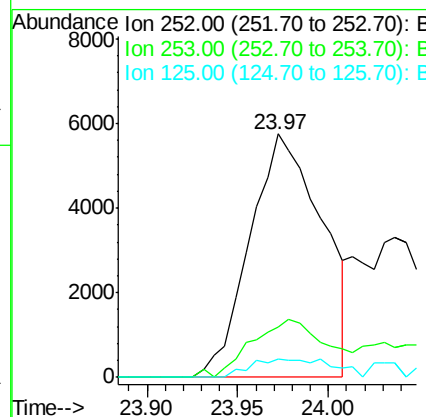
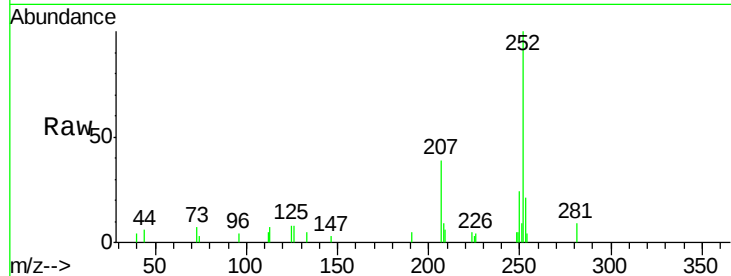
#88
Benzo(b)fluoranthene
Concen: 1.65 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.01 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Instrument :
BNA_G
ClientSampleId :
D9N41DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.7	25.1
125	7.5	6.2	9.2

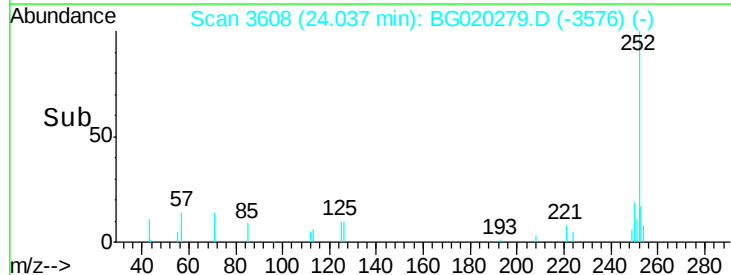
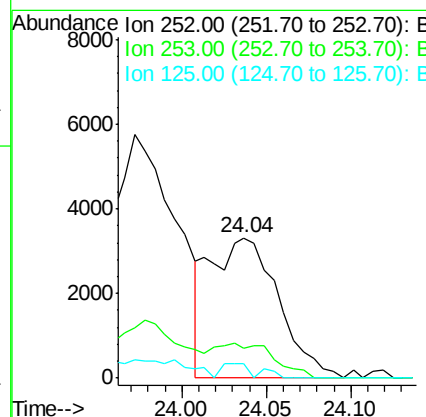
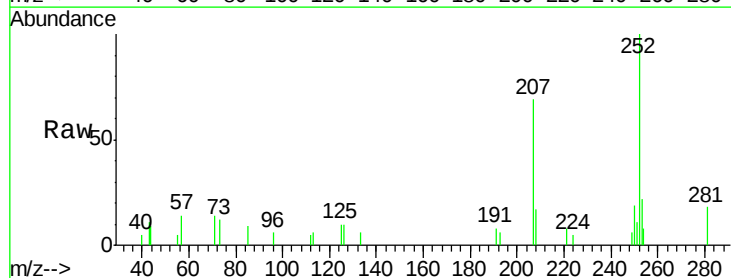
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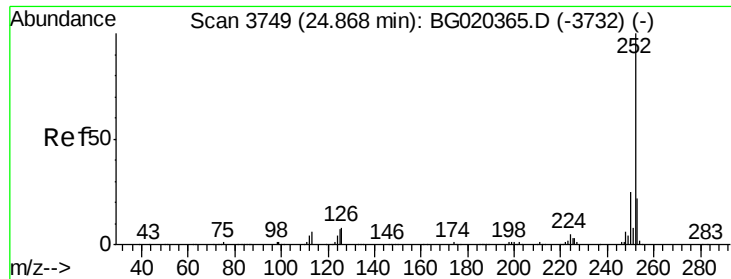
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#89
Benzo(k)fluoranthene
Concen: 1.01 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. -0.01 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	10.2	5.8	8.6#





#91
 Benzo(a)pyrene
 Concen: 1.21 ng/ul
 RT: 24.86 min Scan# 3748
 Delta R.T. -0.01 min
 Lab File: BG020279.D
 Acq: 18 Dec 2015 17:37

Instrument :
 BNA_G
 ClientSampleId :
 D9N41DL2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	17.0	25.4
125	10.5	6.2	9.4

Manual Integrations
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