

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
 Data File : BG025166.D
 Acq On : 14 Dec 2016 4:40
 Operator : UM/SJ
 Sample : H5992-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P006-SS026-1218-03

Manual Integrations
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Quant Time: Dec 14 05:48:39 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 14 03:19:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	95168	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	435455	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	348427	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	679235	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	766147	20.00	ng/ul	0.00
83) Perylene-d12	25.34	264	790378	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	2979	1.62	ng/uL	0.00
5) Phenol-d5	7.39	99	71666	8.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	60342	11.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	57100	9.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	22720	3.31	ng/ul	0.02
19) Nitrobenzene-d5	9.42	128	33863	10.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	36474	9.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	67386	9.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	8874	1.22	ng/ul	0.02
43) Dimethylphthalate-d6	14.25	166	256018	10.68	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	324447	12.36	ng/ul	0.00
51) 4-Nitrophenol-d4	15.08	143	7083m	1.72	ng/ul	0.02
57) Fluorene-d10	15.85	176	261468	11.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.99	200	2829	0.67	ng/ul	0.02
70) Anthracene-d10	17.70	188	363297	12.67	ng/ul	0.00
76) Pyrene-d10	19.98	212	428763	13.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	429299	13.41	ng/ul	0.02

Target Compounds

						Ovalue
6) Phenol	7.42	94	13694	1.62	ng/ul#	92
28) Naphthalene	11.12	128	33176	1.64	ng/ul	96
44) Dimethylphthalate	14.30	163	49680	2.11	ng/ul	96
49) Acenaphthene	14.92	153	81221	4.65	ng/ul	98
53) Dibenzofuran	15.26	168	66686	2.41	ng/ul	98
58) Fluorene	15.91	166	97552	4.33	ng/ul#	95
69) Phenanthrene	17.65	178	1605045	49.51	ng/ul	98
71) Anthracene	17.74	178	366465	11.00	ng/ul	98
72) Carbazole	18.01	167	174798	6.29	ng/ul	96
74) Fluoranthene	19.65	202	2892499	75.09	ng/ul#	96
77) Pyrene	20.01	202	2485491	67.49	ng/ul	97
80) Benzo(a)anthracene	21.88	228	1706682	42.88	ng/ul	98
82) Chrysene	21.96	228	1502755	40.36	ng/ul	97
85) Benzo(b)fluoranthene	24.24	252	2068580	52.78	ng/ul#	97
86) Benzo(k)fluoranthene	24.30	252	718014m	19.27	ng/ul	
88) Benzo(a)pyrene	25.18	252	1453275	38.57	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.27	276	1076674m	22.99	ng/ul	
90) Dibenzo(a,h)anthracene	29.30	278	296644m	7.52	ng/ul	
91) Benzo(g,h,i)perylene	30.53	276	921935m	23.59	ng/ul	

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

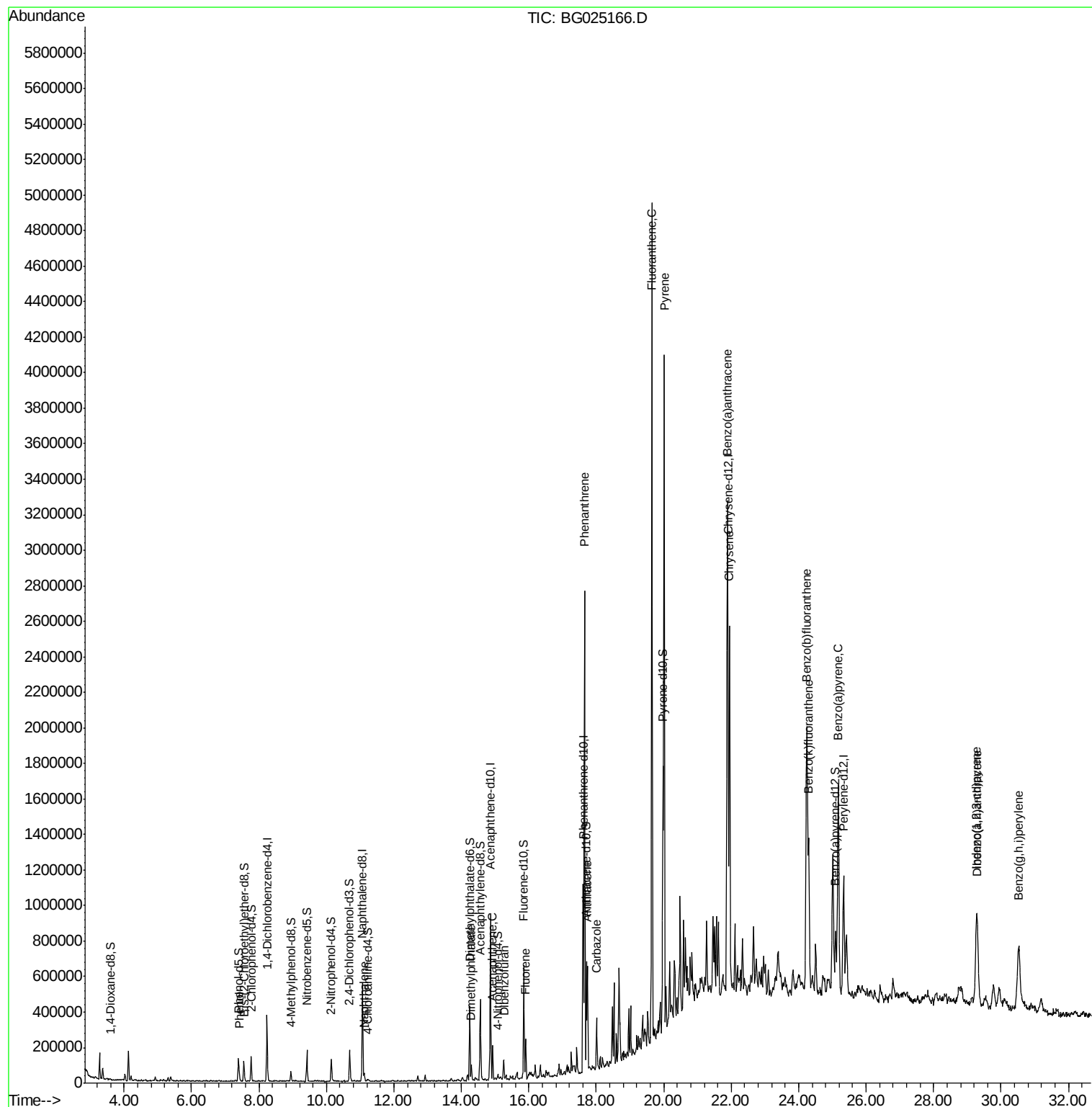
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025166.D
Acq On : 14 Dec 2016 4:40
Operator : UM/SJ
Sample : H5992-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

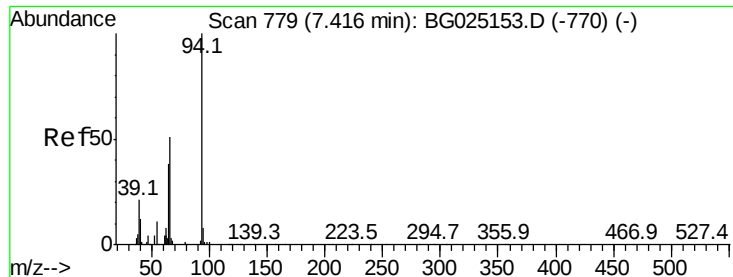
Instrument :
BNA_G
ClientSampleId :
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration





#6

Phenol

Concen: 1.62 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.01 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Instrument :

BNA_G

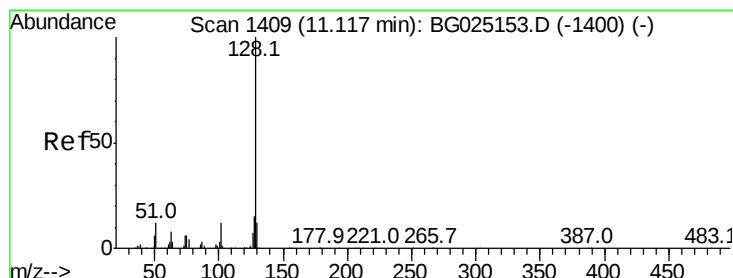
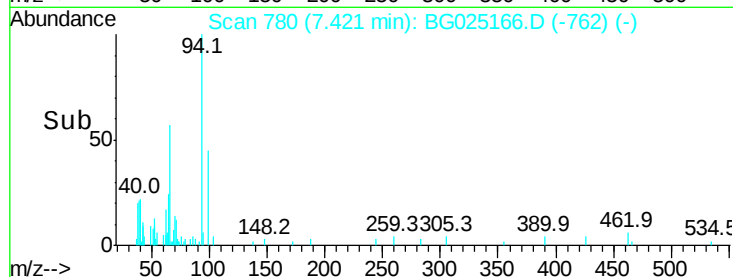
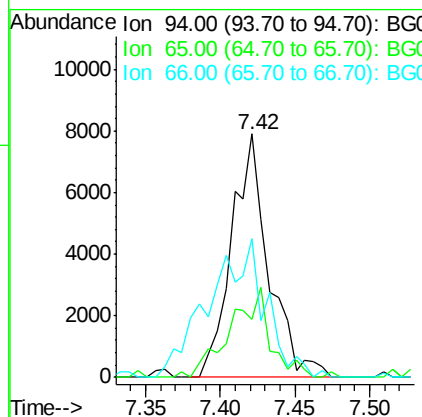
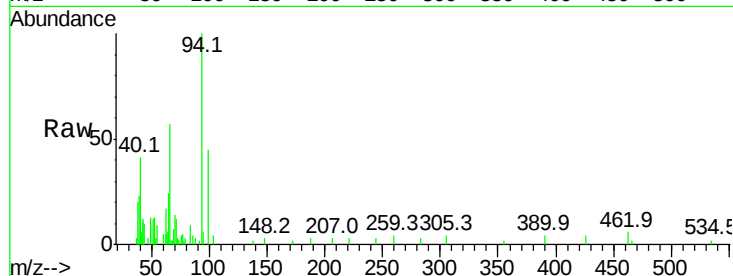
ClientSampleId :

P006-SS026-1218-03

Tot Ion:	94	Resp:	13694
Ion Ratio	Lower	Upper	
94	100		
65	24.1	26.8	40.2#
66	57.0	44.4	66.6

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#28

Naphthalene

Concen: 1.64 ng/ul

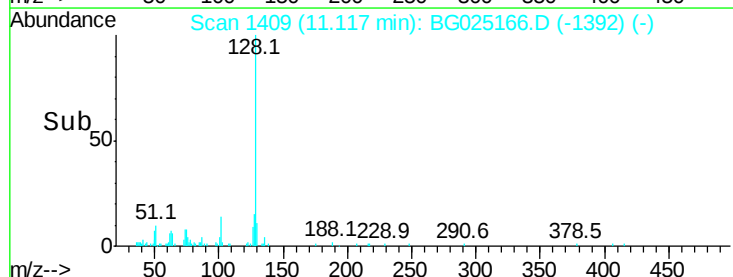
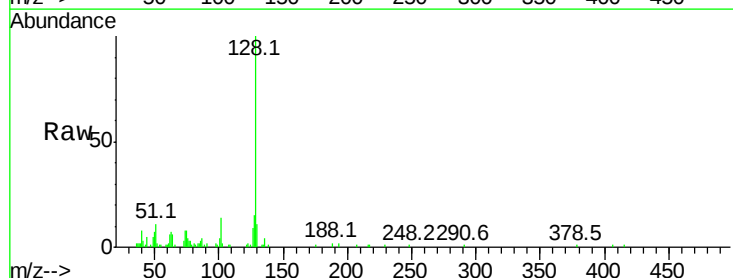
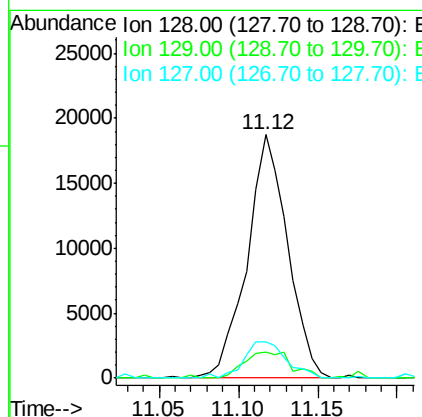
RT: 11.12 min Scan# 1409

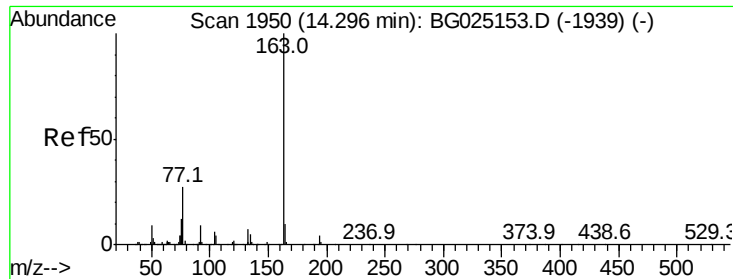
Delta R.T. -0.00 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Tgt Ion:	128	Resp:	33176
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.4	14.2
127	15.0	10.3	15.5





#44

Dimethylphthalate

Concen: 2.11 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Instrument :

BNA_G

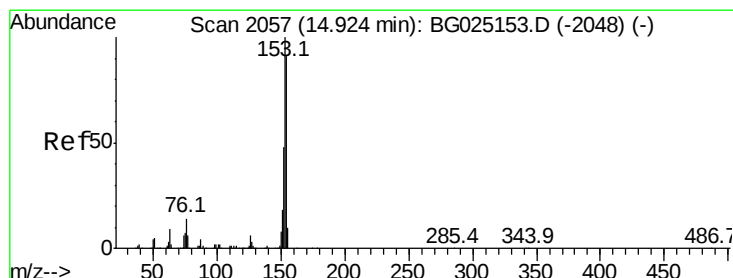
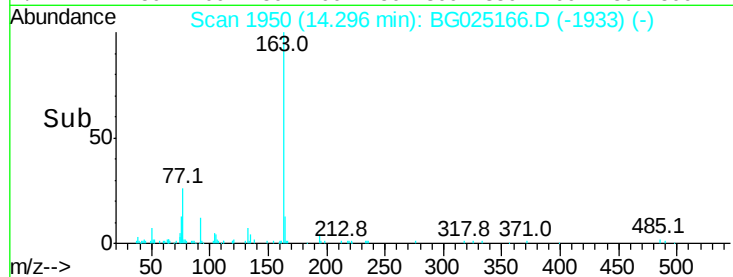
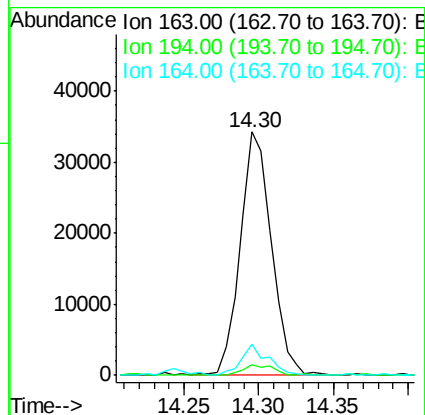
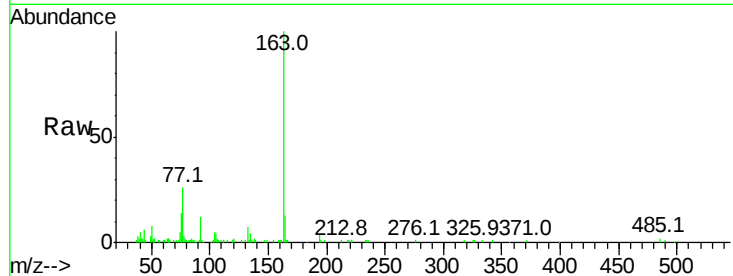
ClientSampleId :

P006-SS026-1218-03

Tot Ion:	163	Resp:	49680
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	13.0	9.0	13.4

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#49

Acenaphthene

Concen: 4.65 ng/ul

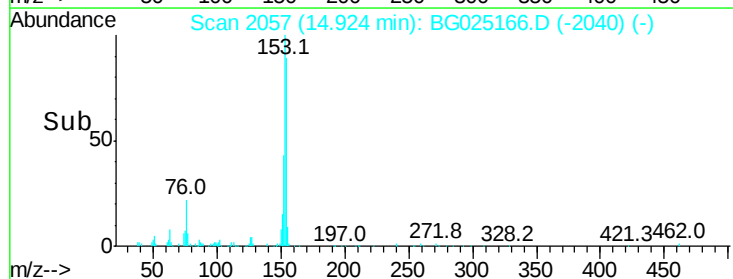
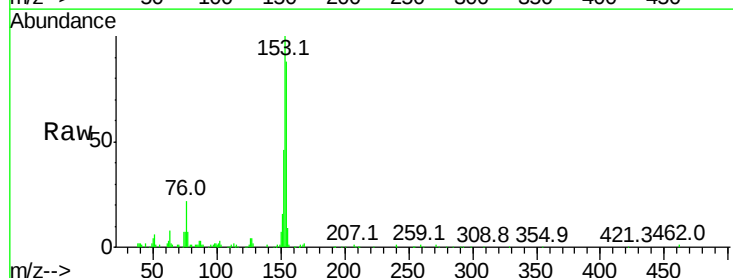
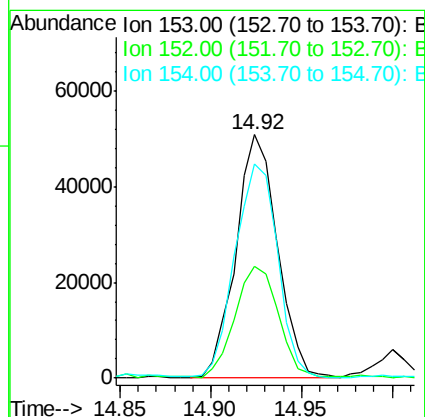
RT: 14.92 min Scan# 2057

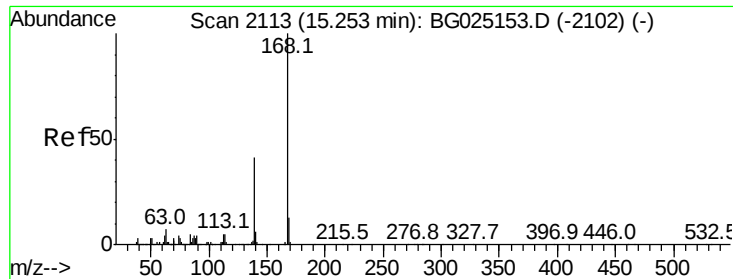
Delta R.T. -0.00 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Tgt Ion:	153	Resp:	81221
Ion Ratio	Lower	Upper	
153	100		
152	45.9	36.5	54.7
154	88.1	72.3	108.5





#53

Dibenzenofuran

Concen: 2.41 ng/ul

RT: 15.26 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Instrument :

BNA_G

ClientSampleId :

P006-SS026-1218-03

Tot Ion:168 Resp: 66686

Ion Ratio Lower Upper

168 100

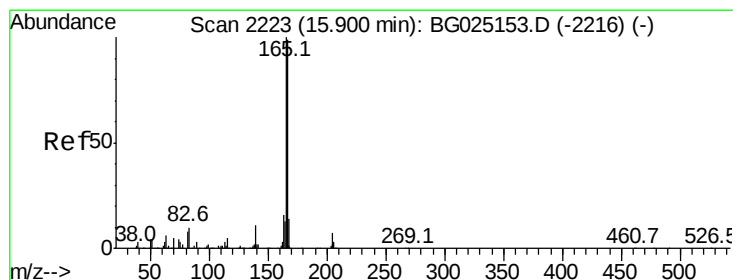
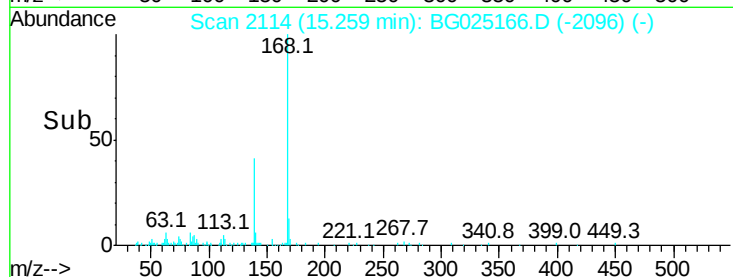
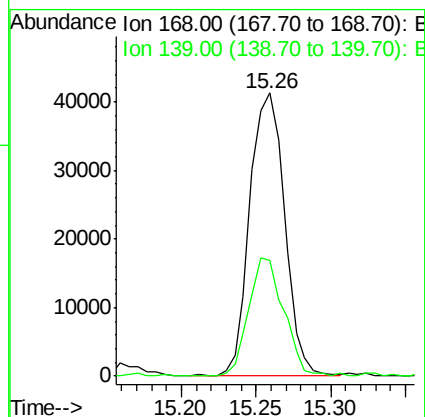
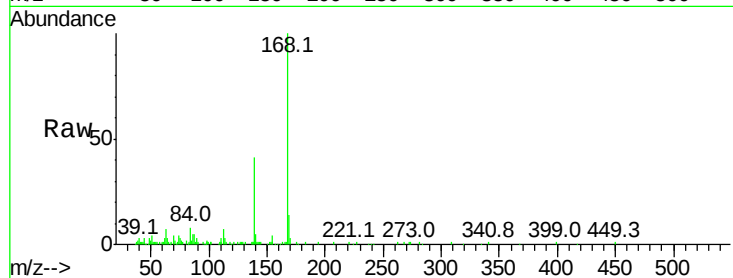
139 40.9 33.8 50.8

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#58

Fluorene

Concen: 4.33 ng/ul

RT: 15.91 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

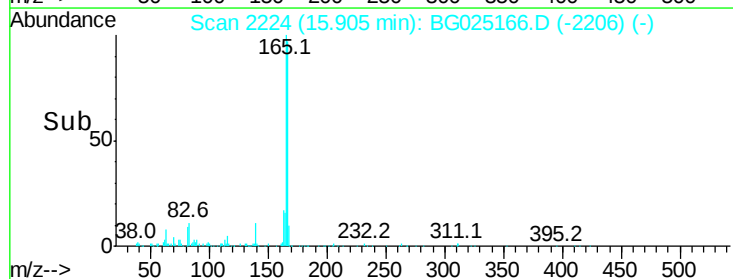
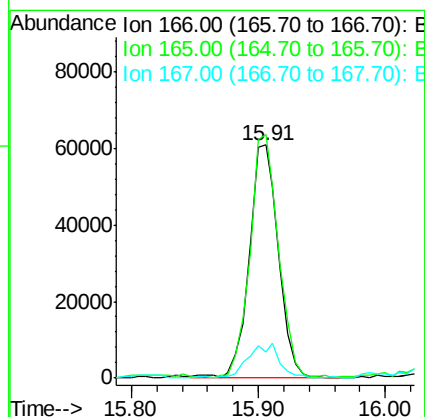
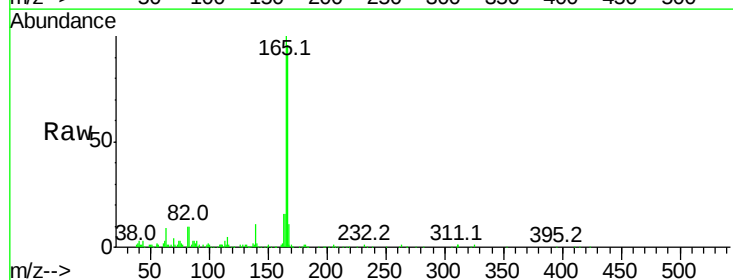
Tgt Ion:166 Resp: 97552

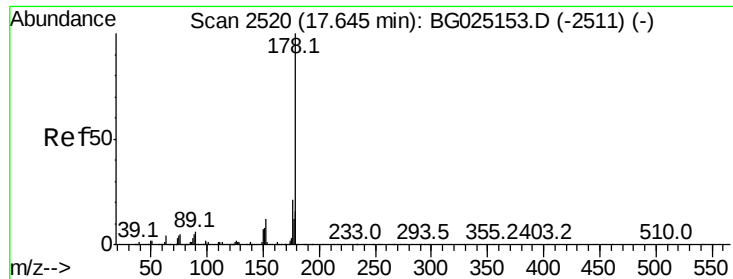
Ion Ratio Lower Upper

166 100

165 104.5 79.7 119.5

167 11.3 11.4 17.2#





#69

Phenanthrene

Concen: 49.51 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Instrument :

BNA_G

ClientSampleId :

P006-SS026-1218-03

Tot Ion:178 Resp: 1605045

Ion Ratio Lower Upper

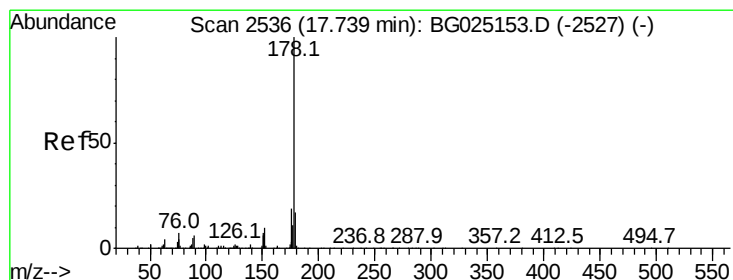
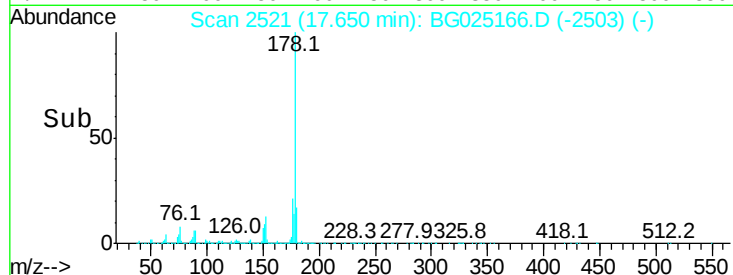
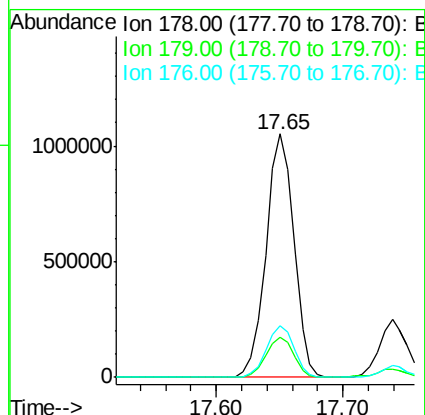
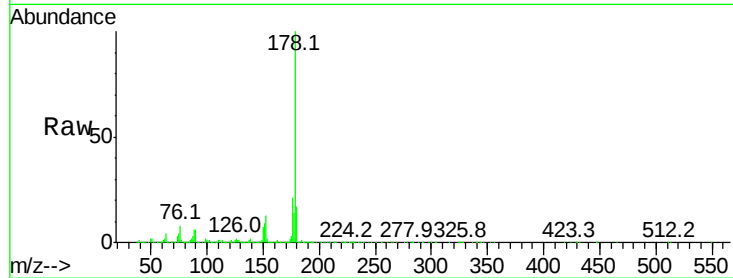
178 100

179 16.7 12.4 18.6

176 21.2 16.5 24.7

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#71

Anthracene

Concen: 11.00 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

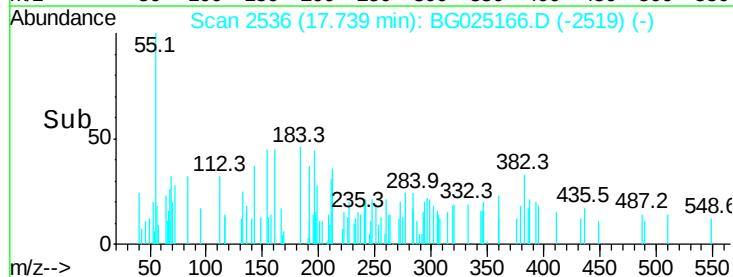
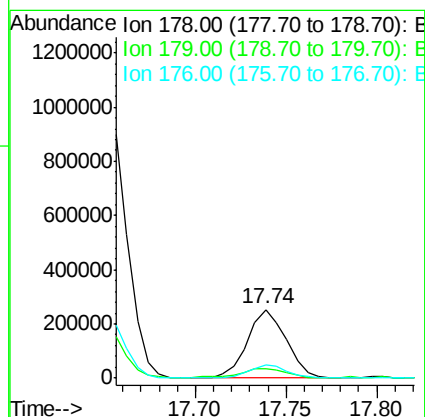
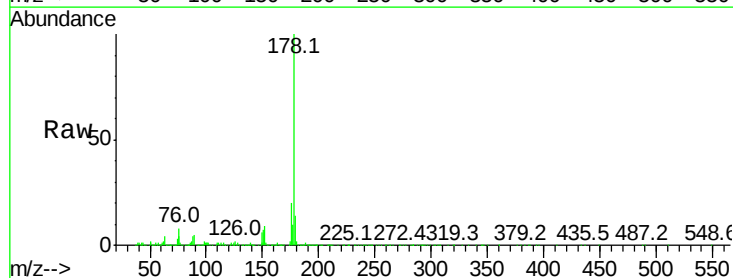
Tgt Ion:178 Resp: 366465

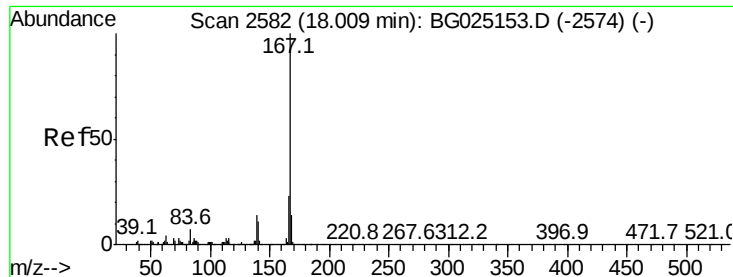
Ion Ratio Lower Upper

178 100

179 14.4 12.6 19.0

176 19.6 15.9 23.9





#72

Carbazole

Concen: 6.29 ng/ul

RT: 18.01 min Scan# 2582

Delta R.T. -0.00 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Instrument :

BNA_G

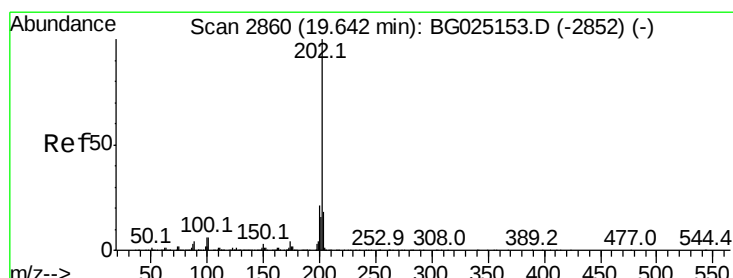
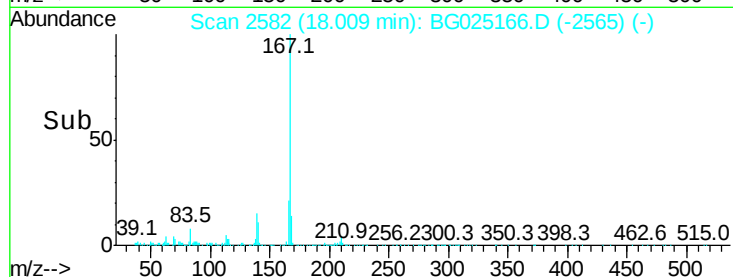
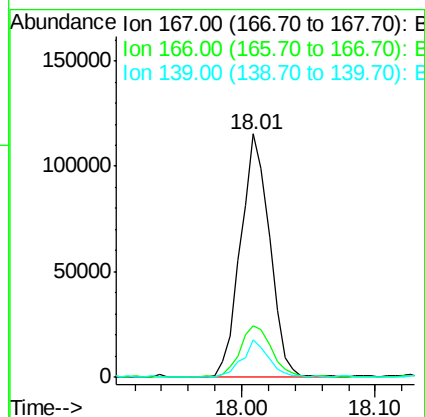
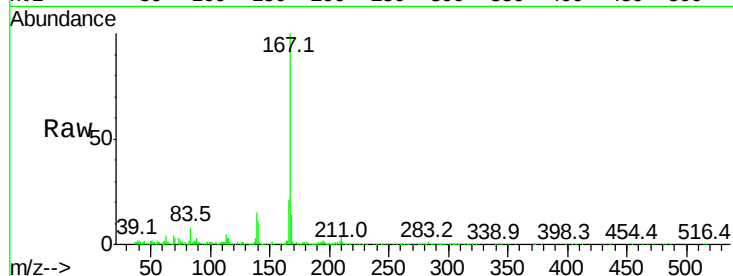
ClientSampleId :

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Tot Ion:	167	Resp:	174798
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.9	26.9
139	15.2	10.5	15.7

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#74

Fluoranthene

Concen: 75.09 ng/ul

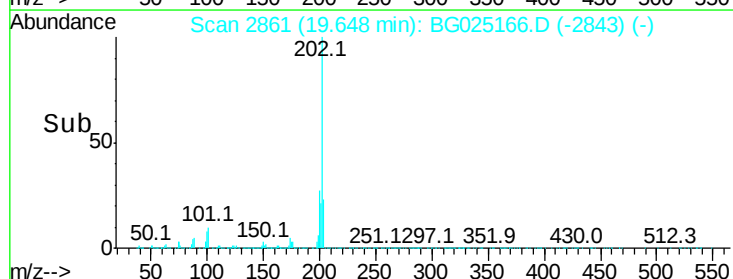
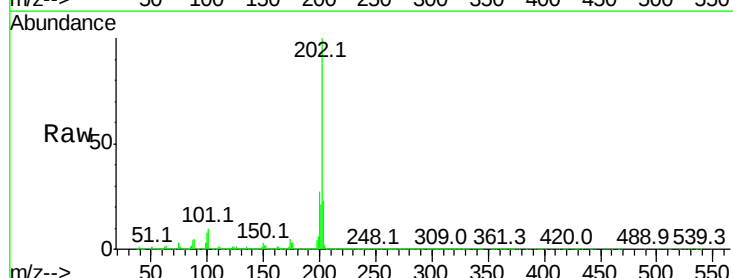
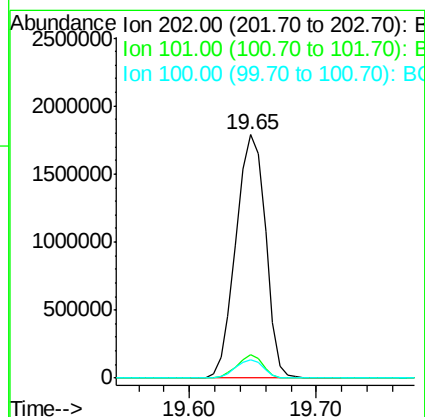
RT: 19.65 min Scan# 2861

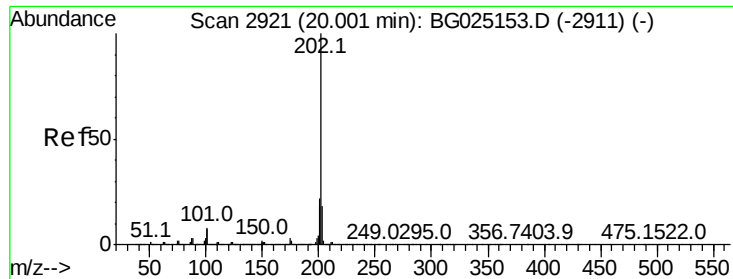
Delta R.T. 0.01 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Tgt Ion:	202	Resp:	2892499
Ion Ratio	Lower	Upper	
202	100		
101	9.6	6.2	9.2#
100	7.6	5.2	7.8





#77

Pvrene

Concen: 67.49 ng/ul

RT: 20.01 min Scan# 2923

Delta R.T. 0.01 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Instrument :

BNA_G

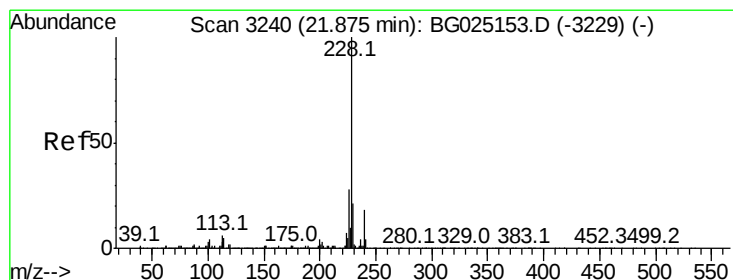
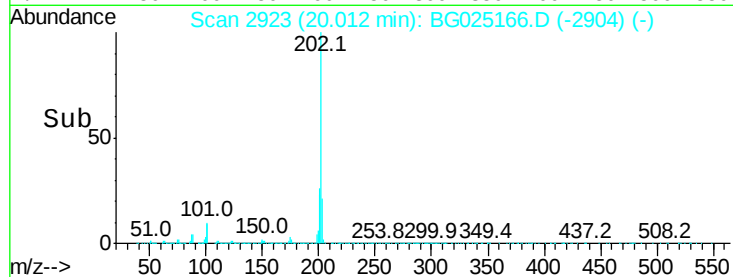
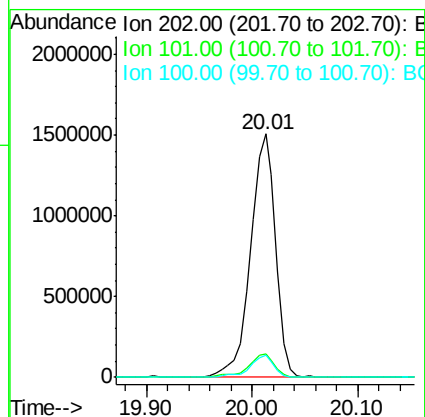
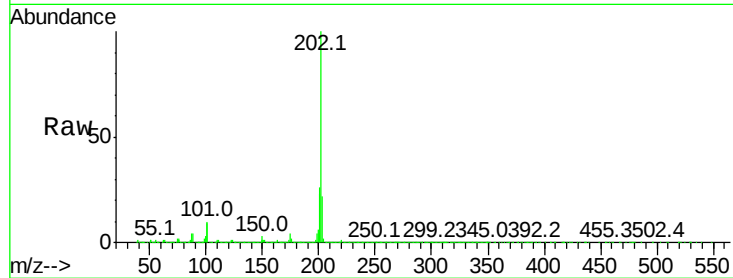
ClientSampleId :

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Tot Ion:	202	Resp:	2485491
Ion Ratio	Lower	Upper	
202	100		
101	9.8	6.9	10.3
100	8.9	6.6	10.0

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#80

Benzo(a)anthracene

Concen: 42.88 ng/ul

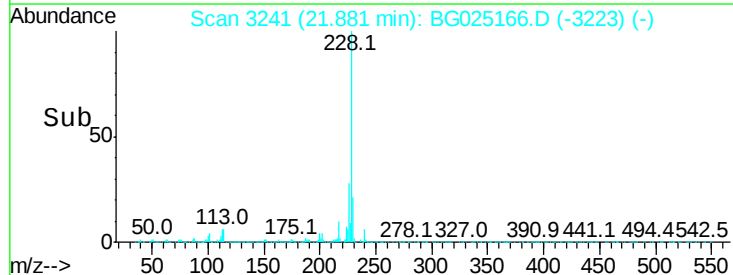
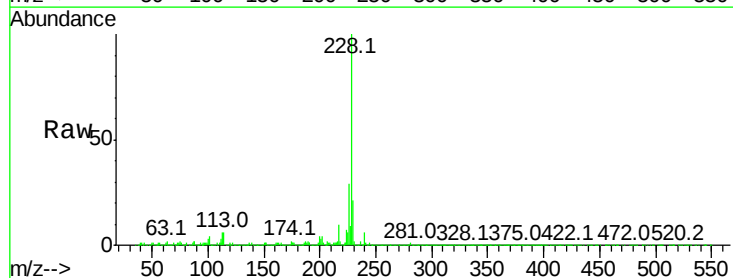
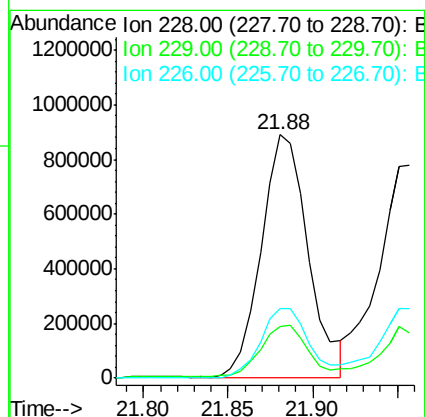
RT: 21.88 min Scan# 3241

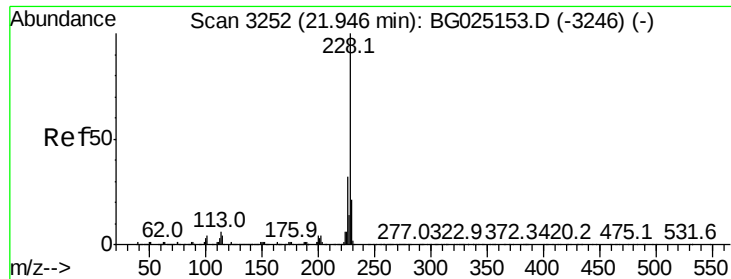
Delta R.T. 0.01 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Tgt Ion:	228	Resp:	1706682
Ion Ratio	Lower	Upper	
228	100		
229	21.0	16.3	24.5
226	28.6	21.9	32.9





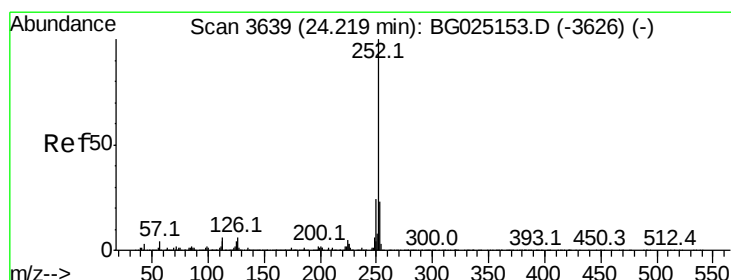
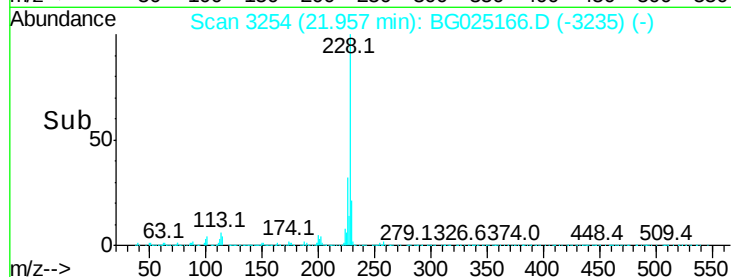
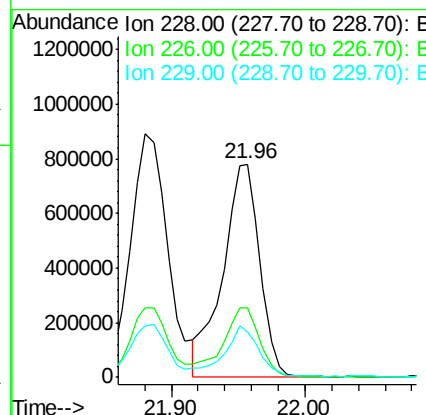
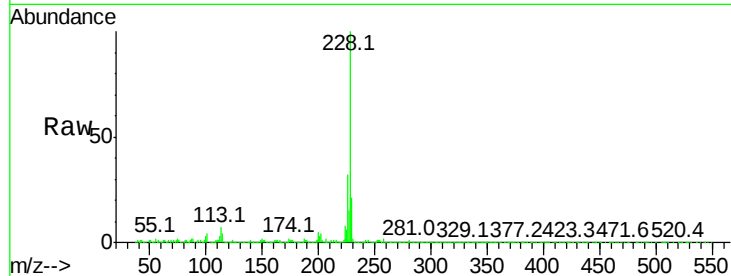
#82
Chrysene
Concen: 40.36 ng/ul
RT: 21.96 min Scan# 3254
Delta R.T. 0.01 min
Lab File: BG025166.D
Acq: 14 Dec 2016 4:40

Instrument :
BNA_G
ClientSampleId :
P006-SS026-1218-03

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.0	36.0
229	21.5	16.9	25.3

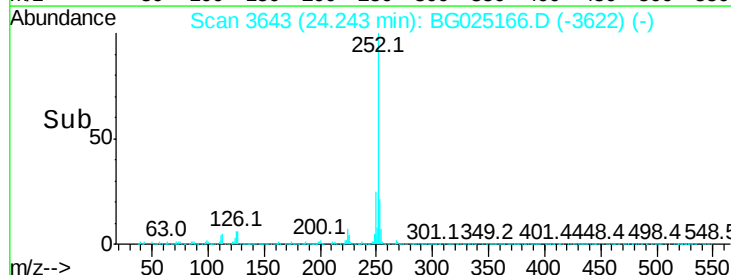
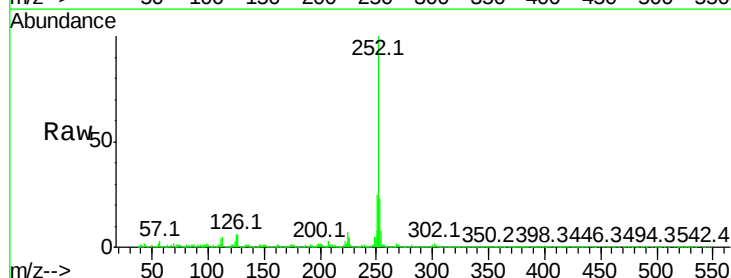
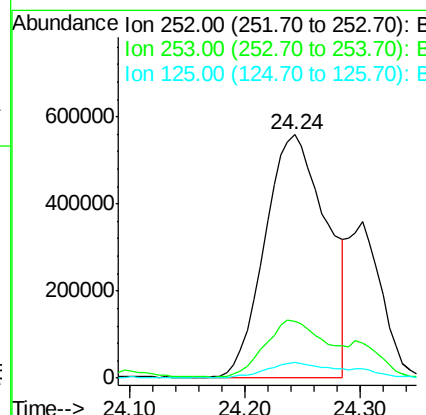
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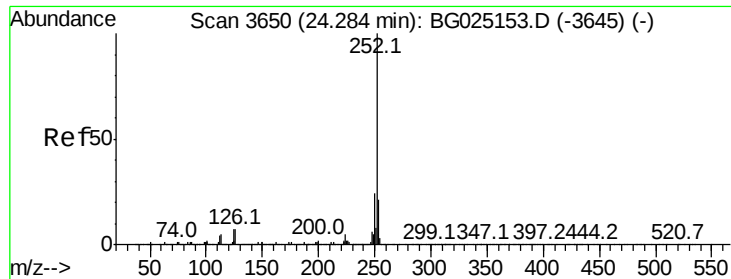
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#85
Benzo(b)fluoranthene
Concen: 52.78 ng/ul
RT: 24.24 min Scan# 3643
Delta R.T. 0.02 min
Lab File: BG025166.D
Acq: 14 Dec 2016 4:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	6.4	4.0	6.0





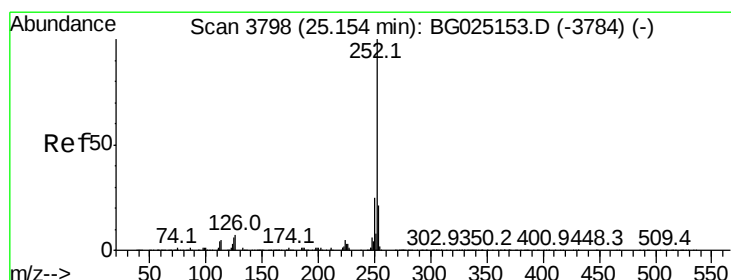
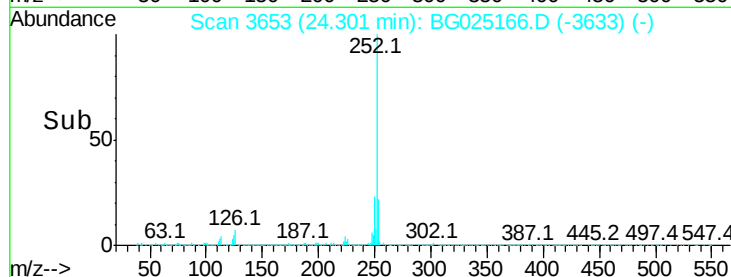
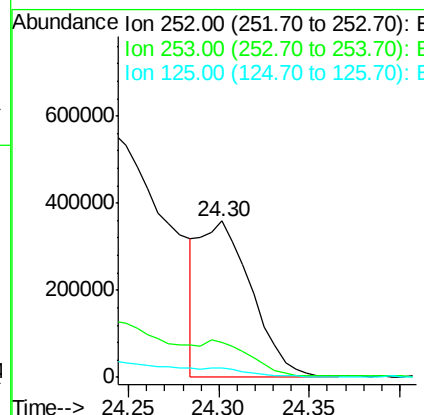
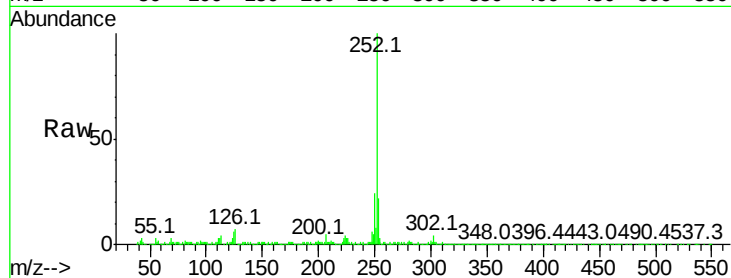
#86
Benzo(k)fluoranthene
Concen: 19.27 ng/ul m
RT: 24.30 min Scan# 3653
Delta R.T. 0.02 min
Lab File: BG025166.D
Acq: 14 Dec 2016 4:40

Instrument :
BNA_G
ClientSampleId :
P006-SS026-1218-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.5	27.7
125	5.8	4.1	6.1

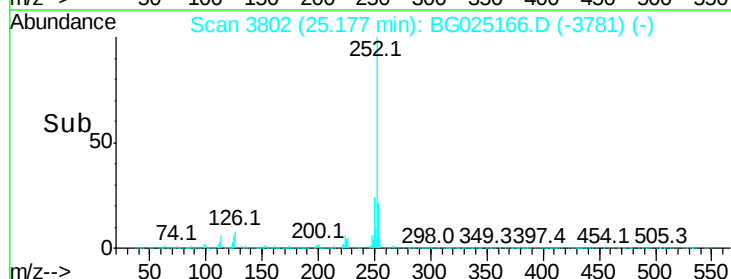
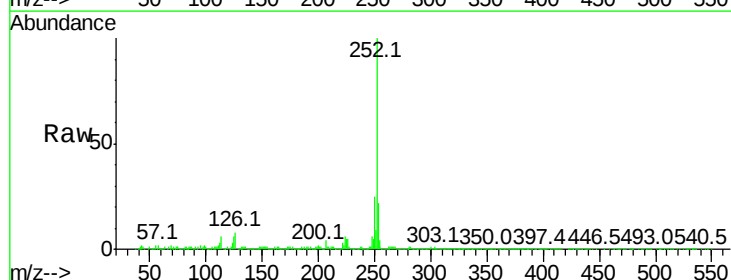
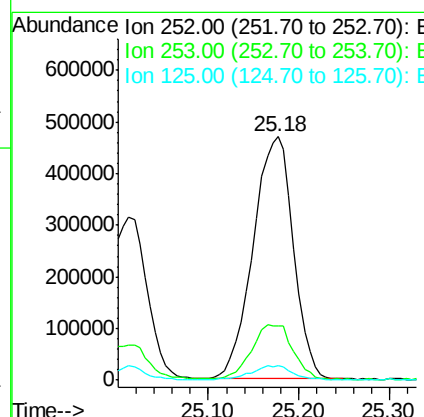
Manual Integrations
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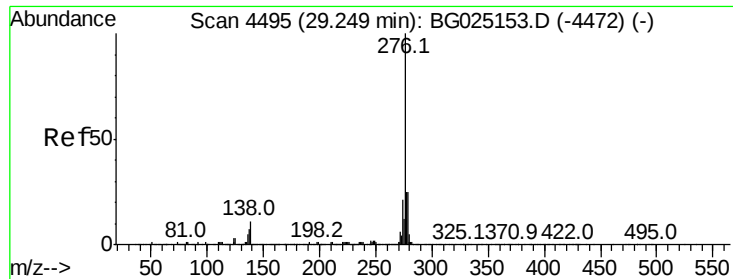
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#88
Benzo(a)pyrene
Concen: 38.57 ng/ul
RT: 25.18 min Scan# 3802
Delta R.T. 0.02 min
Lab File: BG025166.D
Acq: 14 Dec 2016 4:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	6.0	5.4	8.0





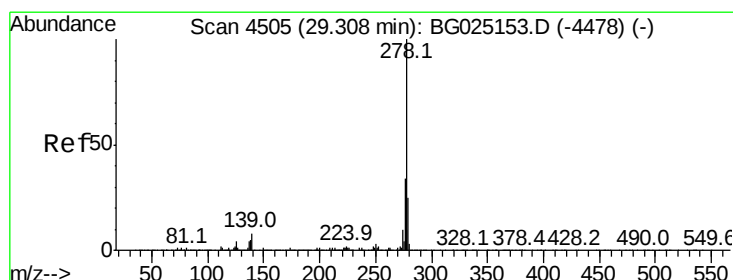
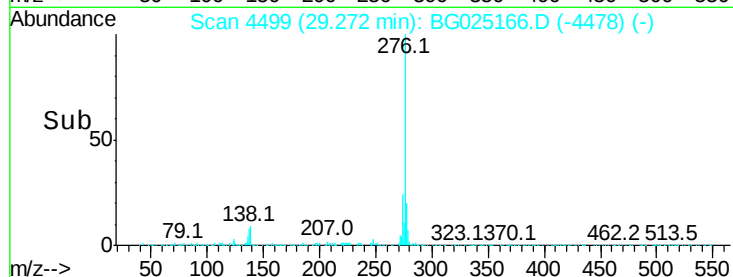
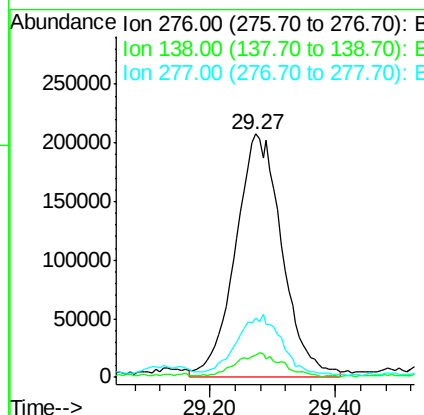
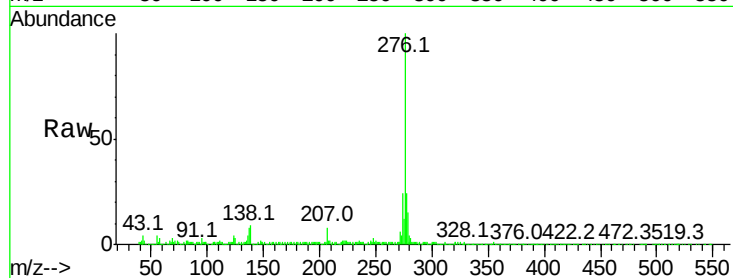
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 22.99 ng/ul m
 RT: 29.27 min Scan# 4499
 Delta R.T. 0.02 min
 Lab File: BG025166.D
 Acq: 14 Dec 2016 4:40

Instrument :
 BNA_G
 ClientSampleId :
 P006-SS026-1218-03

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.2	8.2	12.4
277	24.1	18.6	28.0

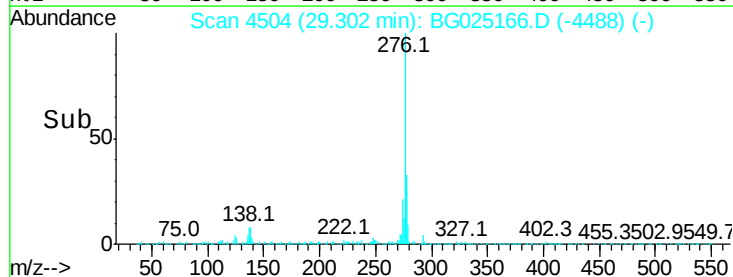
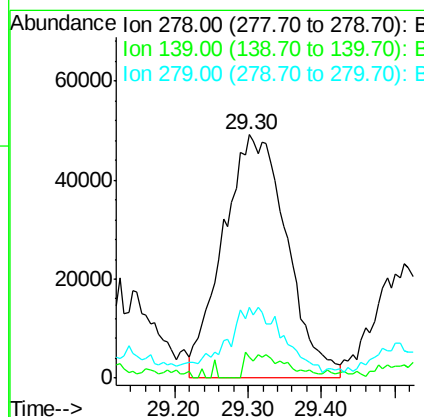
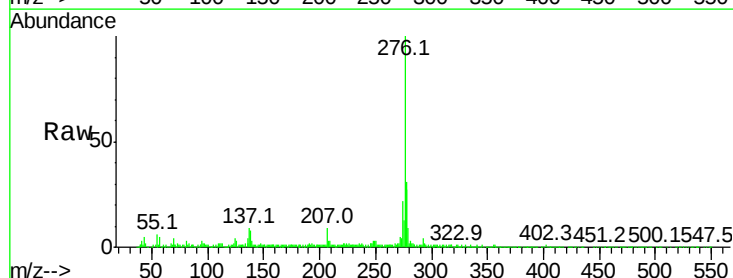
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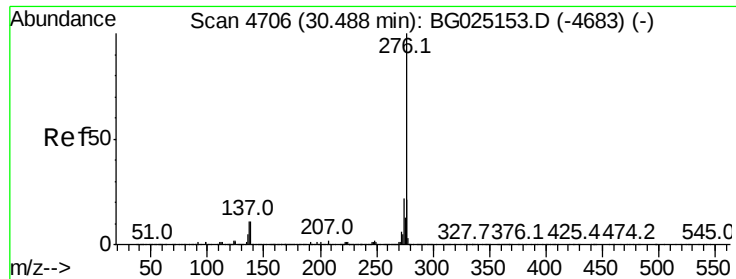
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#90
 Dibenzo(a,h)anthracene
 Concen: 7.52 ng/ul m
 RT: 29.30 min Scan# 4504
 Delta R.T. -0.01 min
 Lab File: BG025166.D
 Acq: 14 Dec 2016 4:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.4	6.7	10.1
279	28.8	20.9	31.3





#91

Benzo(a,h,i)perylene

Concen: 23.59 ng/ul m

RT: 30.53 min Scan# 4713

Delta R.T. 0.04 min

Lab File: BG025166.D

Acq: 14 Dec 2016 4:40

Instrument :

BNA_G

ClientSampleId :

P006-SS026-1218-03

Tot Ion:	276	Resp:	921935
Ion Ratio	Lower	Upper	
276	100		
138	9.5	8.6	12.8
277	25.4	17.6	26.4

Manual Integrations
APPROVED

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