Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052716\
Data File : BG022104.D
Acq On : 27 May 2016 11:18
Operator : UM/SJ
Sample : H3201-13DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCZJ5DL

Manual Integrations APPROVED
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Quant Time: May 27 18:31:29 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 27 18:06:31 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	32862	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	182366	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	110643	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.52	188	213508	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	173822	20.00	ng/ul	0.00
83) Perylene-d12	25.13	264	168378	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.33	99	1592	0.54	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.49	67	561	0.36	ng/ul	0.01
9) 2-Chlorophenol-d4	7.69	132	1924	0.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	1555m	0.62	ng/ul	0.02
19) Nitrobenzene-d5	9.33	128	436	0.32	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	396	0.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	1513	0.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	500	0.18	ng/ul	0.03
43) Dimethylphthalate-d6	14.17	166	11323	1.36	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	14090	1.21	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.77	176	10464	1.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.62	188	18060	1.76	ng/ul	0.00
76) Pyrene-d10	19.90	212	18436	1.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.90	264	15774	2.02	ng/ul	-0.02
Target Compounds						Qvalue
28) Naphthalene	11.02	128	27668	2.99	ng/ul	99
49) Acenaphthene	14.84	153	36322	4.45	ng/ul	100
53) Dibenzofuran	15.18	168	15736	1.56	ng/ul	94
58) Fluorene	15.82	166	25076	2.94	ng/ul	99
69) Phenanthrene	17.57	178	252173	21.23	ng/ul	100
71) Anthracene	17.66	178	70768	5.88	ng/ul	97
72) Carbazole	17.93	167	23420	2.25	ng/ul#	92
74) Fluoranthene	19.57	202	270514	22.29	ng/ul	98
77) Pyrene	19.93	202	230863	18.88	ng/ul	98
80) Benzo(a)anthracene	21.79	228	102481	10.05	ng/ul	97
82) Chrysene	21.85	228	84306	8.62	ng/ul	97
85) Benzo(b)fluoranthene	24.07	252	100066	10.16	ng/ul#	96
86) Benzo(k)fluoranthene	24.13	252	37756m	3.94	ng/ul	
88) Benzo(a)pyrene	24.98	252	76036	8.00	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	28.95	276	37640m	3.45	ng/ul	
91) Benzo(g,h,i)perylene	30.15	276	28419m	3.25	ng/ul	

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052716\
Data File : BG022104.D
Acq On : 27 May 2016 11:18
Operator : UM/SJ
Sample : H3201-13DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 27 18:31:29 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 27 18:06:31 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BCZJ5DL

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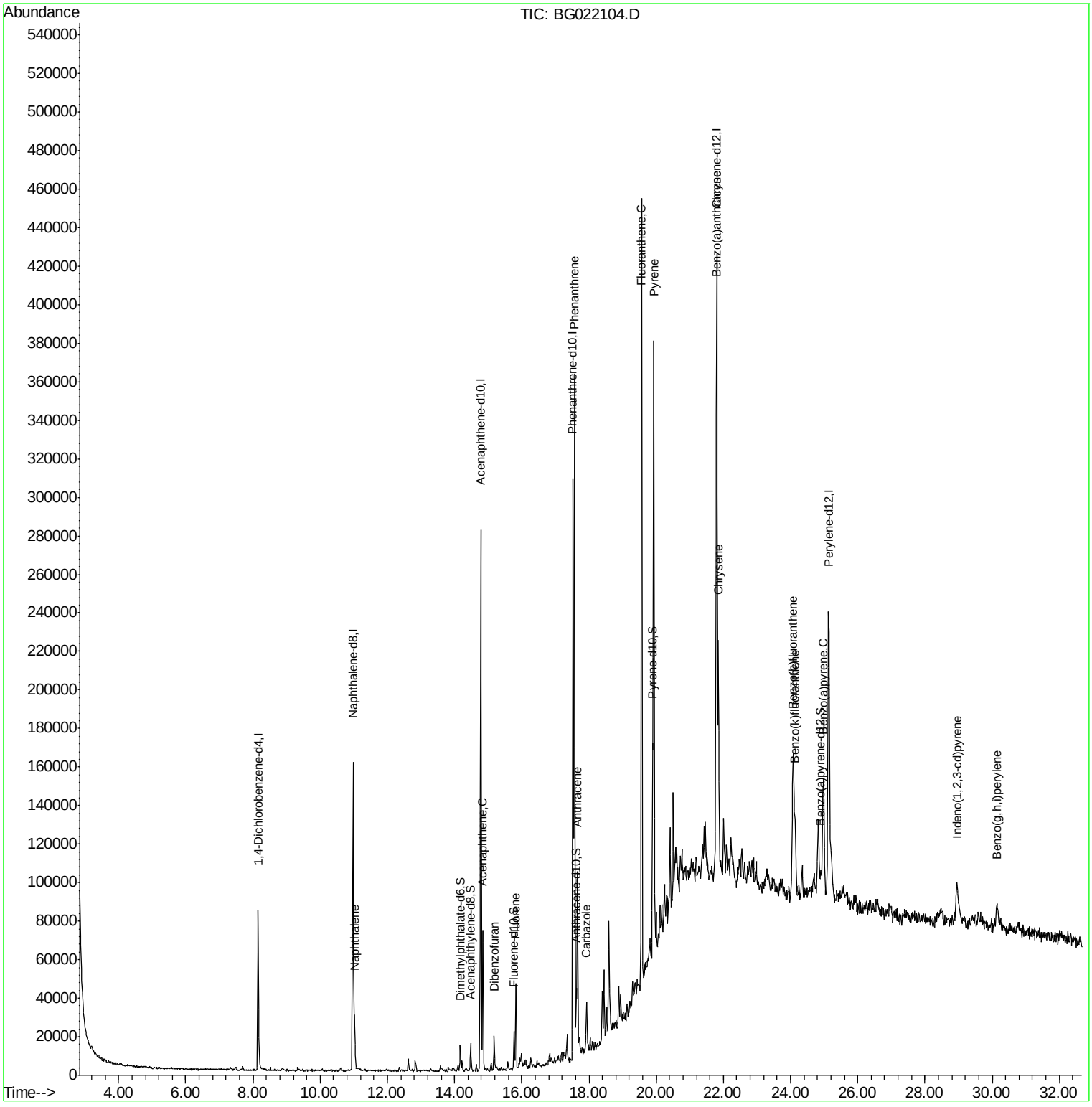
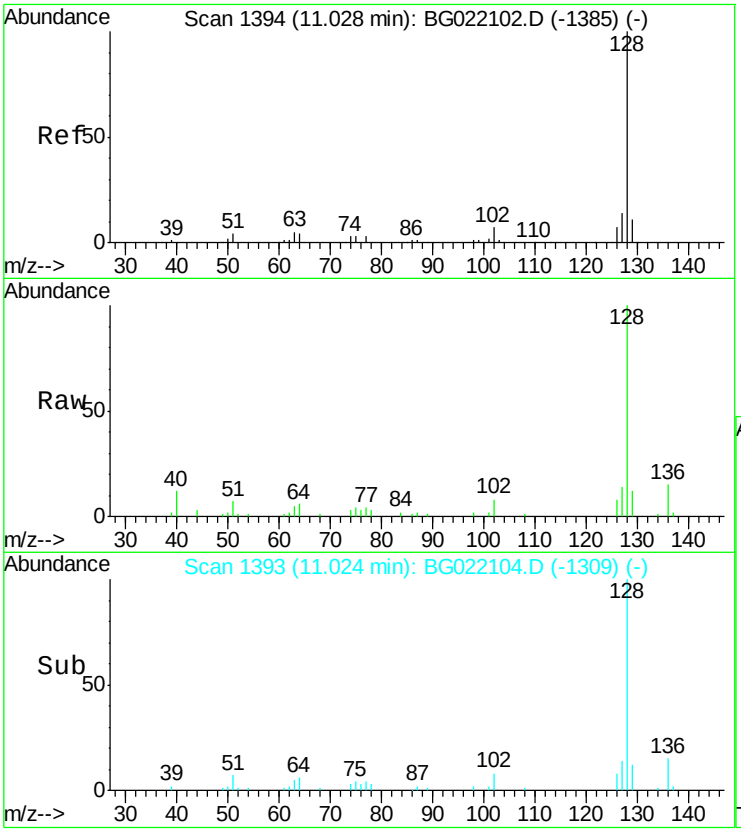
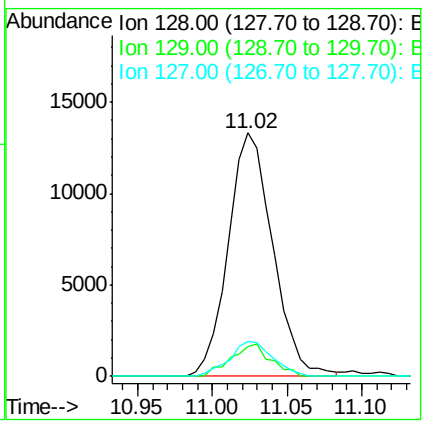




#28
Naphthalene
Concen: 2.99 ng/ul
RT: 11.02 min Scan# 1393
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:128 Resp: 27668

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.4	14.2
127	14.1	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
BCZJ5DL

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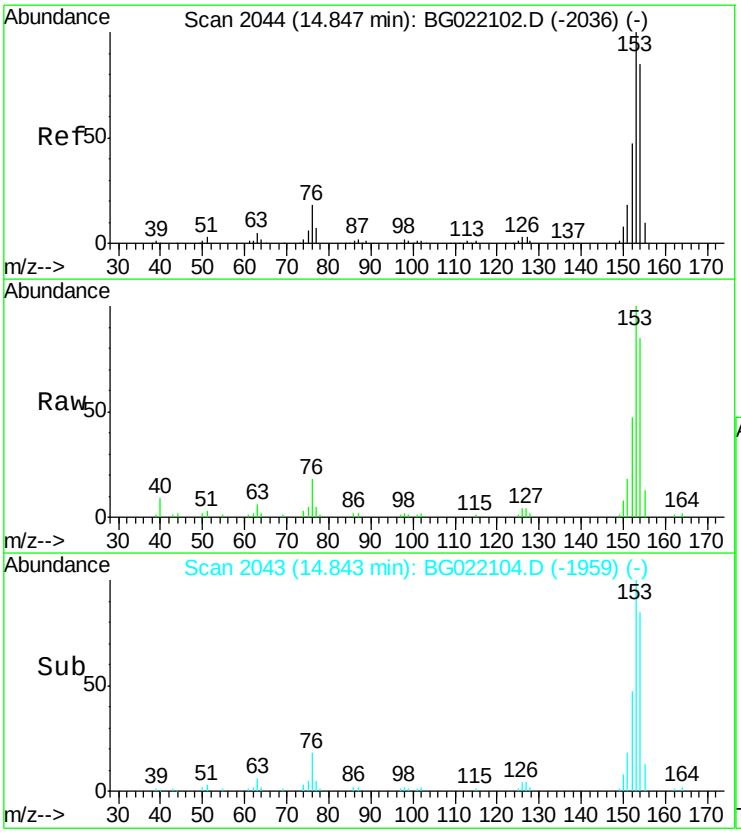
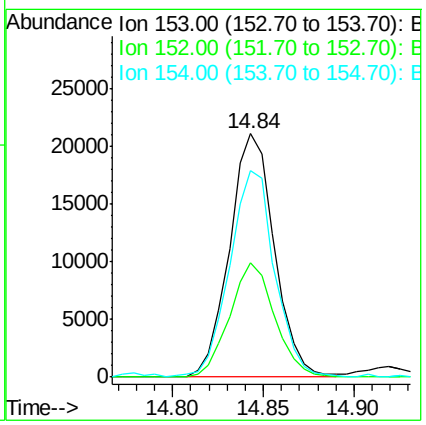
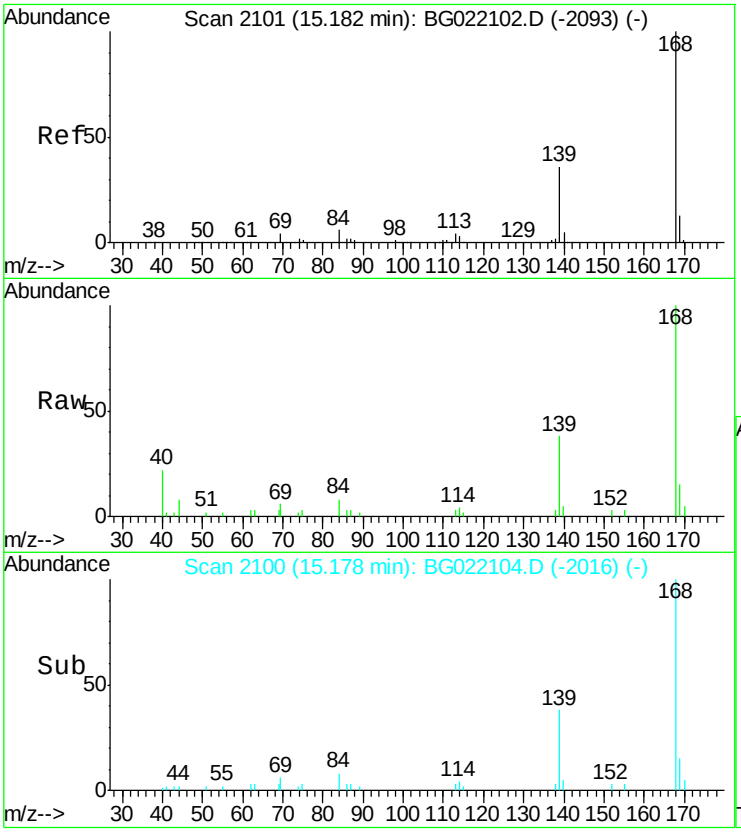


#49
Acenaphthene
Concen: 4.45 ng/ul
RT: 14.84 min Scan# 2043
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:153 Resp: 36322

Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.3	55.9
154	84.8	68.2	102.2

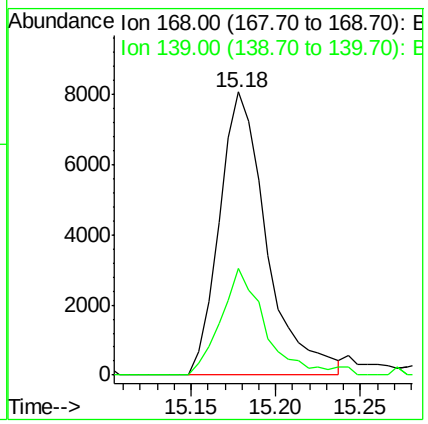




#53
Dibenzofuran
Concen: 1.56 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:168 Resp: 15736

Ion	Ratio	Lower	Upper
168	100		
139	37.6	27.4	41.0



Instrument :
BNA_G
ClientSampleId :
BCZJ5DL

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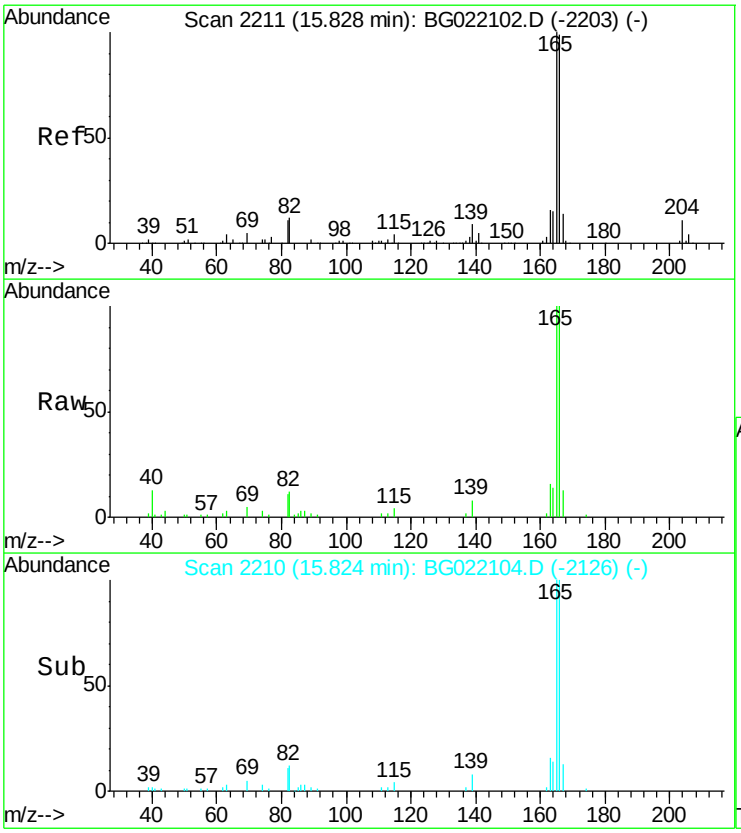
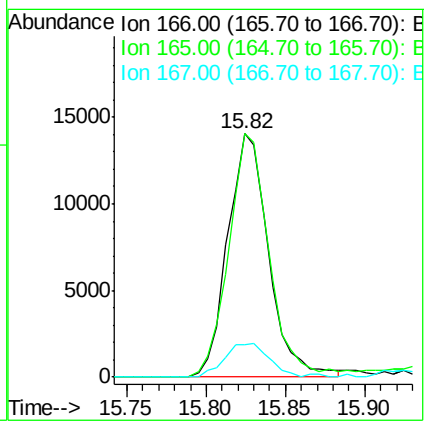
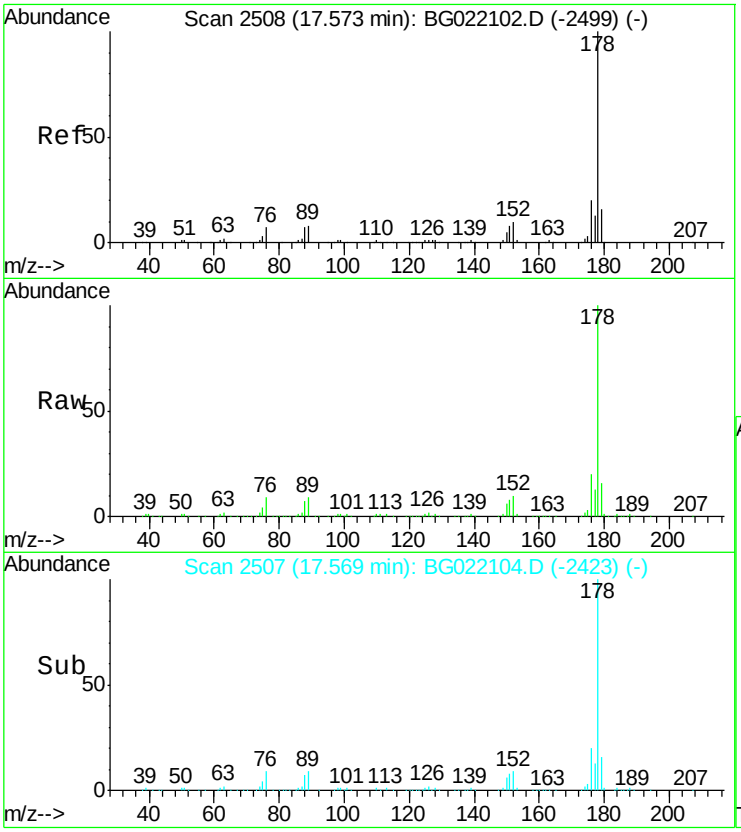


#58
Fluorene
Concen: 2.94 ng/ul
RT: 15.82 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:166 Resp: 25076

Ion	Ratio	Lower	Upper
166	100		
165	99.9	80.3	120.5
167	13.1	10.3	15.5

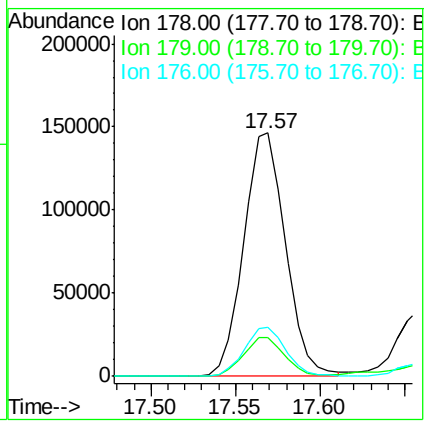




#69
Phenanthrene
Concen: 21.23 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:178 Resp: 252173

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.9	19.3
176	20.0	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
BCZJ5DL

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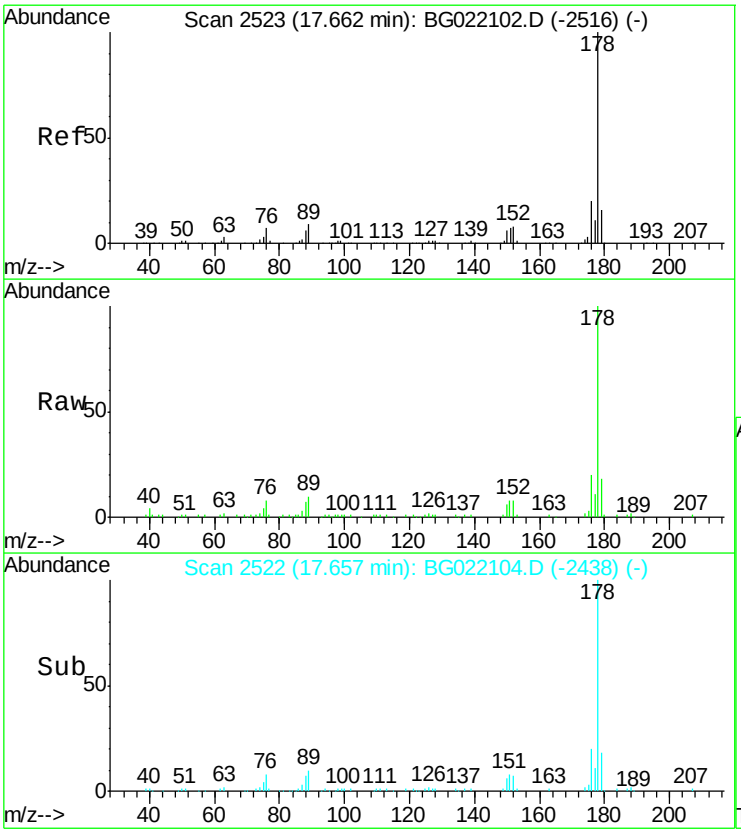
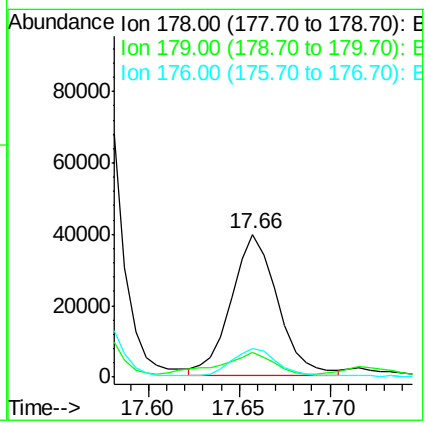
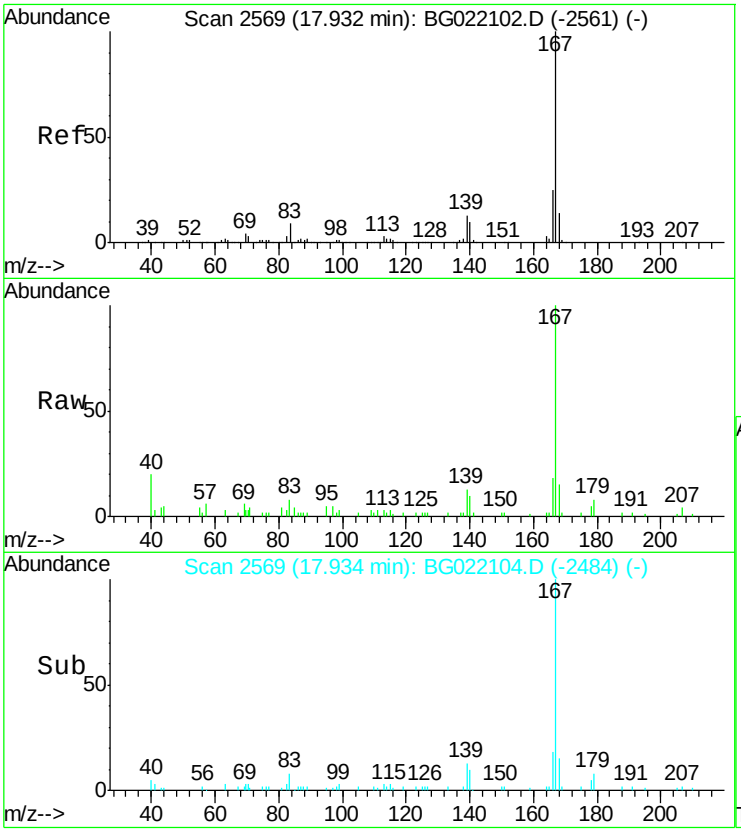


#71
Anthracene
Concen: 5.88 ng/ul
RT: 17.66 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:178 Resp: 70768

Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.3	18.5
176	19.7	16.3	24.5





#72
Carbazole
Concen: 2.25 ng/ul
RT: 17.93 min Scan# 2569
Delta R.T. 0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:167 Resp: 23420

Ion	Ratio	Lower	Upper
167	100		
166	18.4	19.2	28.8#
139	12.7	10.2	15.4

Instrument :
BNA_G
ClientSampleId :
BCZJ5DL

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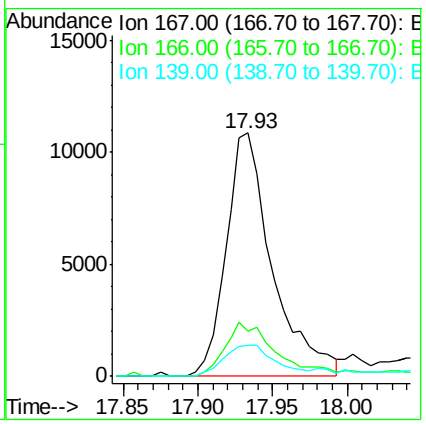
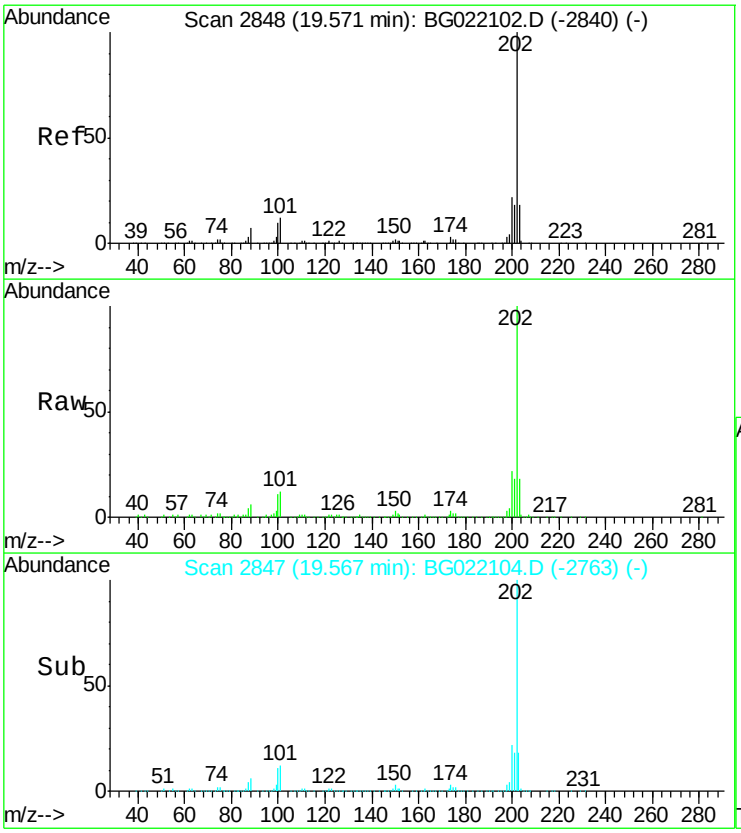
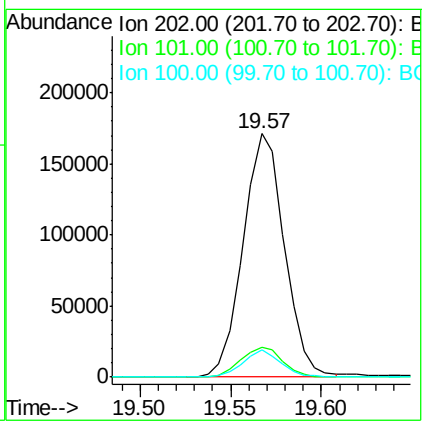


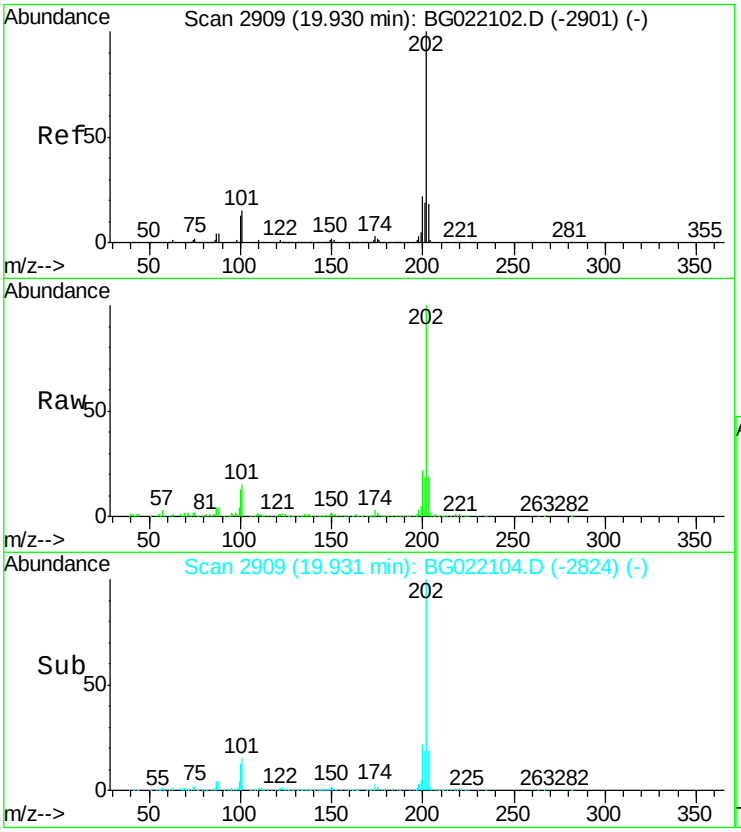


#74
Fluoranthene
Concen: 22.29 ng/ul
RT: 19.57 min Scan# 2847
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:202 Resp: 270514

Ion	Ratio	Lower	Upper
202	100		
101	12.2	10.6	16.0
100	11.2	8.7	13.1

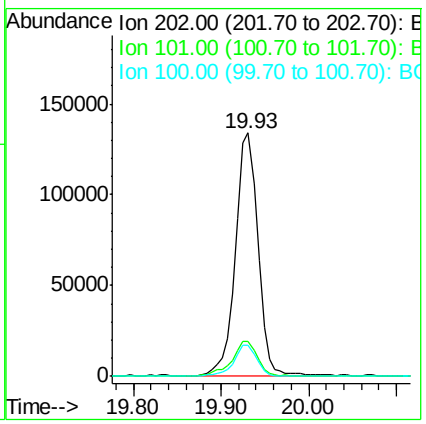




#77
Pyrene
Concen: 18.88 ng/ul
RT: 19.93 min Scan# 2909
Delta R.T. 0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:202 Resp: 230863

Ion	Ratio	Lower	Upper
202	100		
101	14.6	12.5	18.7
100	12.5	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
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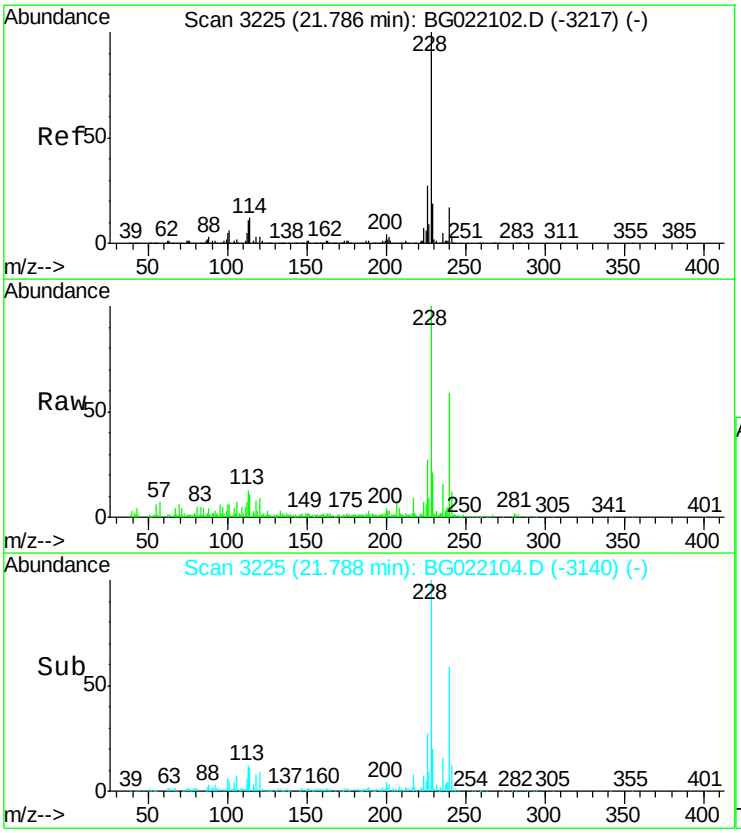
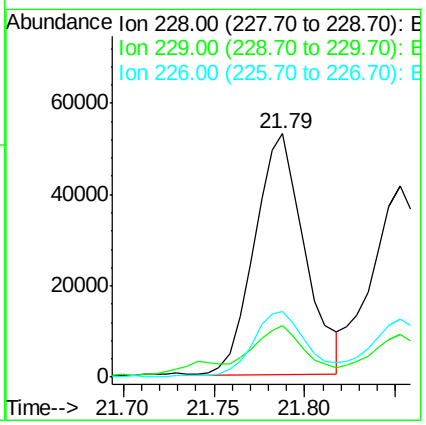
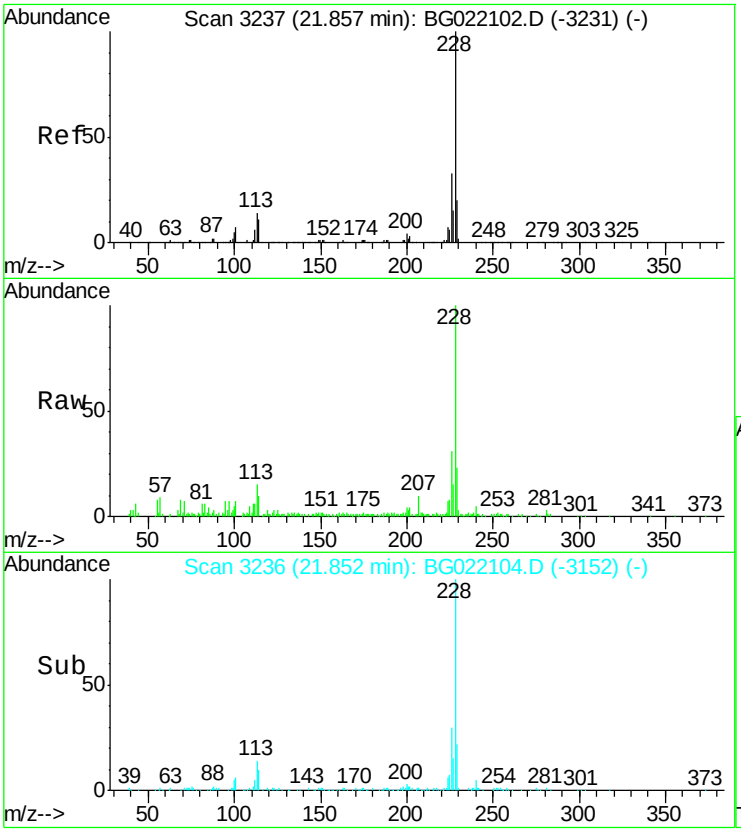


#80
Benzo(a)anthracene
Concen: 10.05 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:228 Resp: 102481

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.4	23.2
226	27.1	22.8	34.2

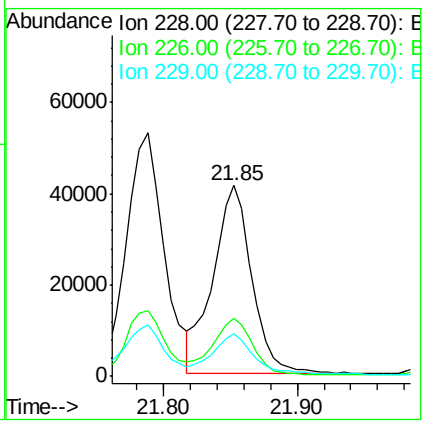




#82
Chrysene
Concen: 8.62 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:228 Resp: 84306

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.4
229	22.5	15.0	22.6



Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
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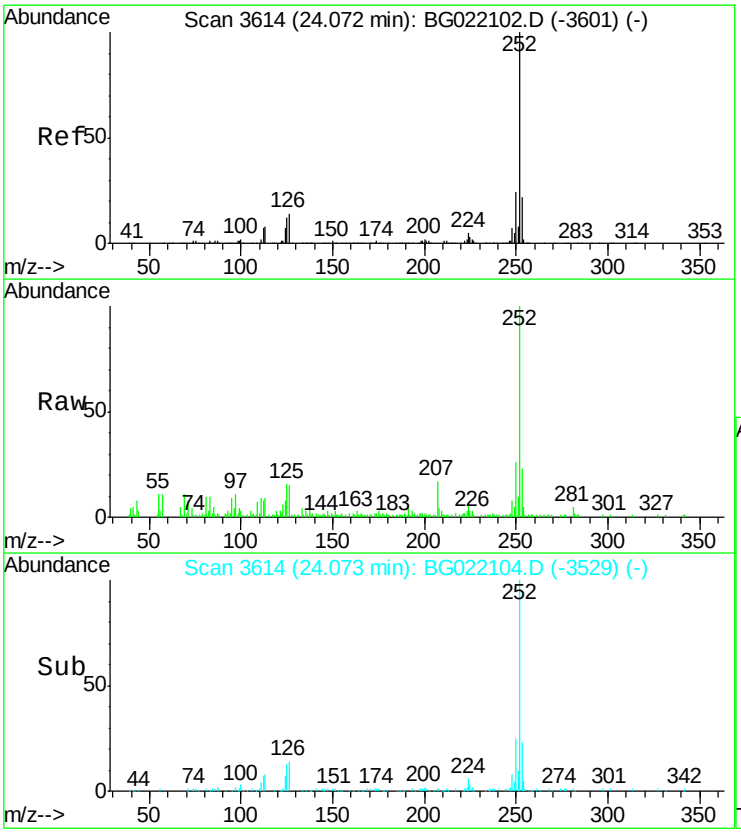
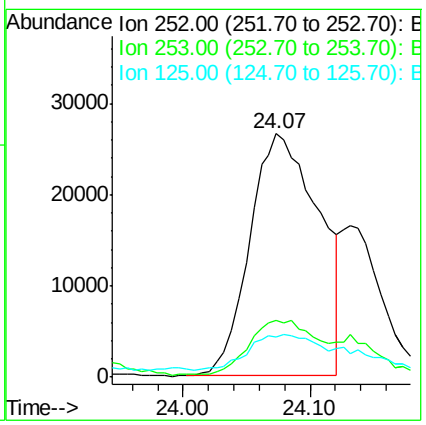
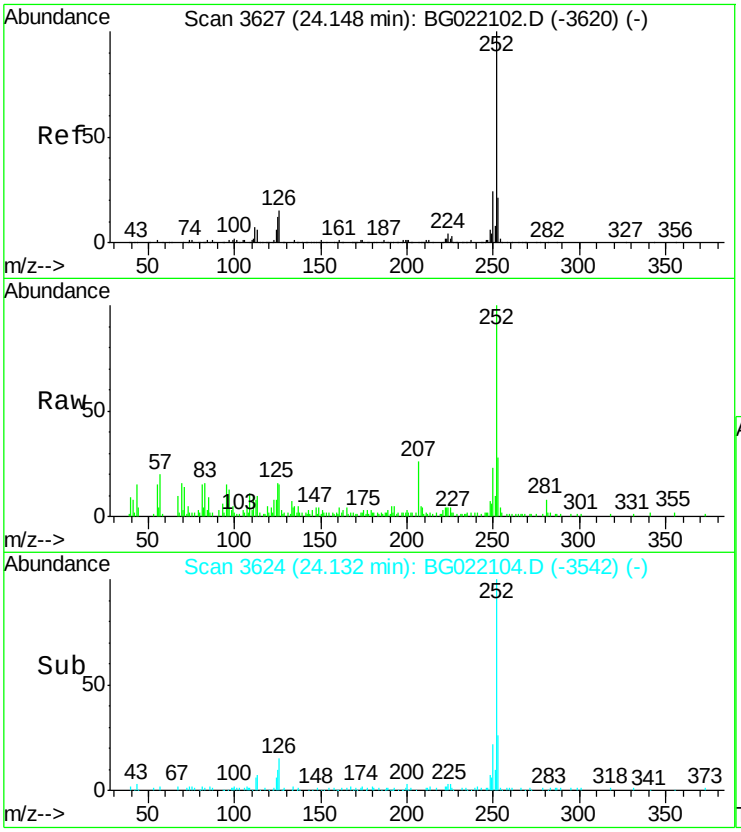


#85
Benzo(b)fluoranthene
Concen: 10.16 ng/ul
RT: 24.07 min Scan# 3614
Delta R.T. 0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:252 Resp: 100066

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	16.4	10.8	16.2#

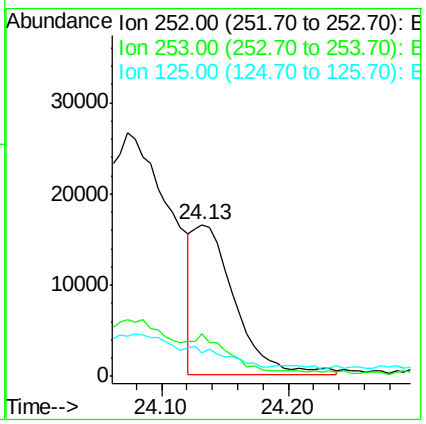




#86
Benzo(k)fluoranthene
Concen: 3.94 ng/ul m
RT: 24.13 min Scan# 3624
Delta R.T. -0.02 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:252 Resp: 37756

Ion	Ratio	Lower	Upper
252	100		
253	28.3	15.8	23.6#
125	15.8	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
BCZJ5DL

Manual Integrations APPROVED
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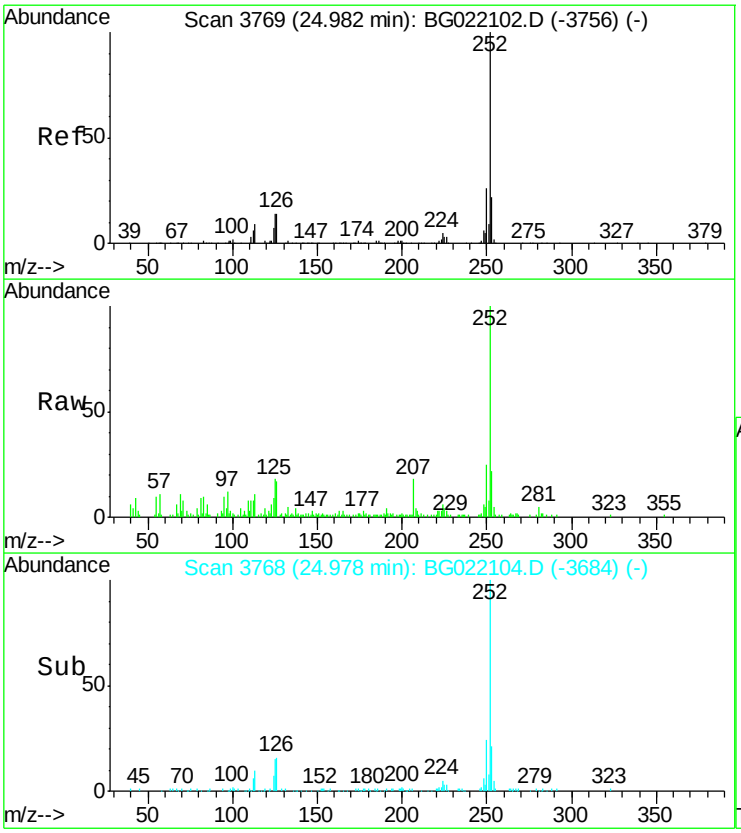
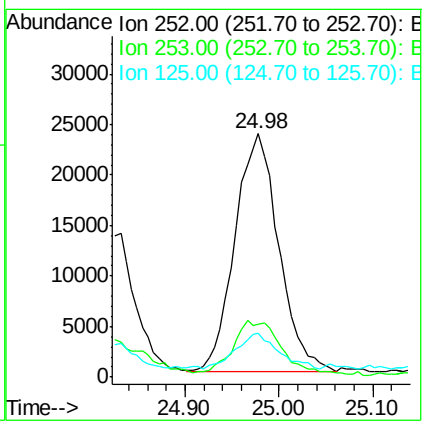
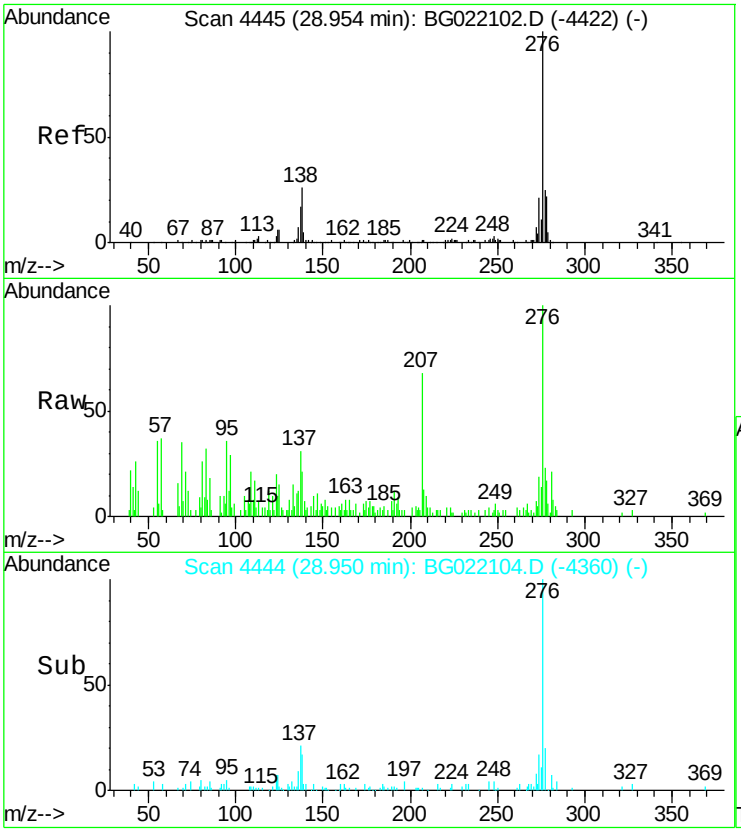


#88
Benzo(a)pyrene
Concen: 8.00 ng/ul
RT: 24.98 min Scan# 3768
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:252 Resp: 76036

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.4
125	18.0	12.0	18.0#

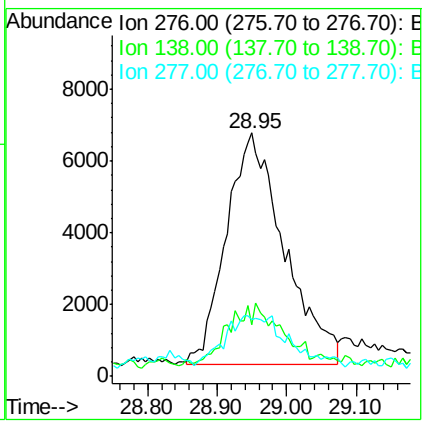




#89
Indeno(1,2,3-cd)pyrene
Concen: 3.45 ng/ul m
RT: 28.95 min Scan# 4444
Delta R.T. -0.00 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:276 Resp: 37640

Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.8	31.2
277	23.4	17.6	26.4



Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
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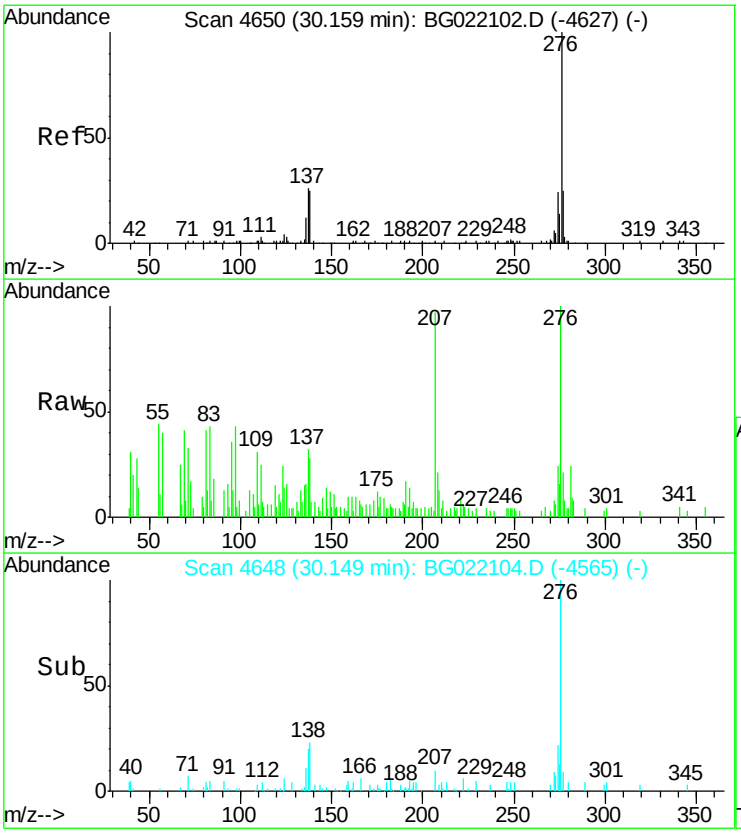

#91
Benzo(g,h,i)perylene
Concen: 3.25 ng/ul m
RT: 30.15 min Scan# 4648
Delta R.T. -0.01 min
Lab File: BG022104.D
Acq: 27 May 2016 11:18

Tgt Ion:276 Resp: 28419

Ion	Ratio	Lower	Upper
276	100		
138	27.7	22.1	33.1
277	21.0	17.0	25.4