Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021237.D
Acq On : 3 Mar 2016 9:22
Operator : UM/SJ
Sample : H1557-02RE 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P-10RE

Manual Integrations APPROVED
Sohil
3/3/2016 2:07:28 PM

Quant Time: Mar 03 10:49:55 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 11:46:16 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	12255	20.00	ng		-0.02
21) Naphthalene-d8	10.95	136	60363	20.00	ng		-0.02
38) Acenaphthene-d10	14.75	164	33460	20.00	ng		-0.02
63) Phenanthrene-d10	17.49	188	71720	20.00	ng		-0.02
75) Chrysene-d12	21.76	240	81597	20.00	ng		0.00
86) Perylene-d12	25.04	264	78654	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.69	112	4892	6.35	ng		-0.02
7) Phenol-d6	7.29	99	8130	6.41	ng		-0.02
23) Nitrobenzene-d5	9.30	82	6235	4.37	ng		-0.02
41) 2,4,6-Tribromophenol	16.23	330	2213	6.36	ng		-0.02
44) 2-Fluorobiphenyl	13.37	172	12377	5.25	ng		-0.02
78) Terphenyl-d14	20.08	244	17412	5.17	ng		-0.02
Target Compounds							Qvalue
70) Phenanthrene	17.53	178	98379	25.42	ng		99
71) Anthracene	17.62	178	30464	7.69	ng		99
74) Fluoranthene	19.53	202	406742	89.45	ng		97
77) Pyrene	19.89	202	405694	83.34	ng		98
80) Benzo(a)anthracene	21.73	228	192613	39.87	ng		98
82) Chrysene	21.80	228	187093	40.87	ng		98
85) Indeno(1,2,3-cd)pyrene	28.76	276	60091	11.45	ng	#	93
87) Benzo(b)fluoranthene	24.00	252	215392	43.54	ng		97
88) Benzo(k)fluoranthene	24.05	252	75176m	15.17	ng		
89) Benzo(a)pyrene	24.88	252	110951	23.20	ng	#	93
90) Dibenzo(a,h)anthracene	28.81	278	18269	3.86	ng	#	93
91) Benzo(g,h,i)perylene	29.93	276	48919	10.70	ng	#	87

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021237.D
Acq On : 3 Mar 2016 9:22
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Sample : H1557-02RE 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 03 10:49:55 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 11:46:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P-10RE

Manual Integrations APPROVED
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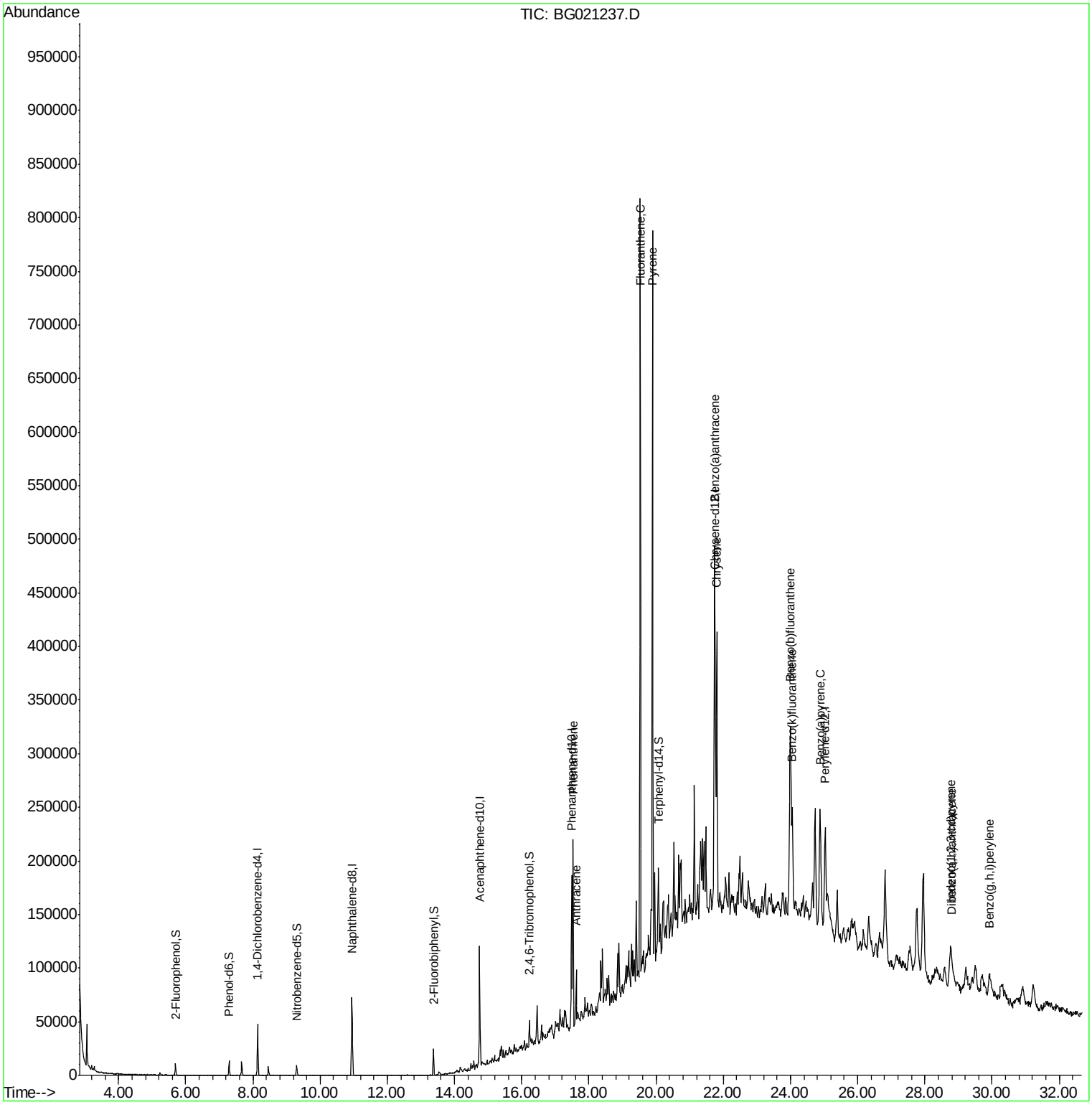
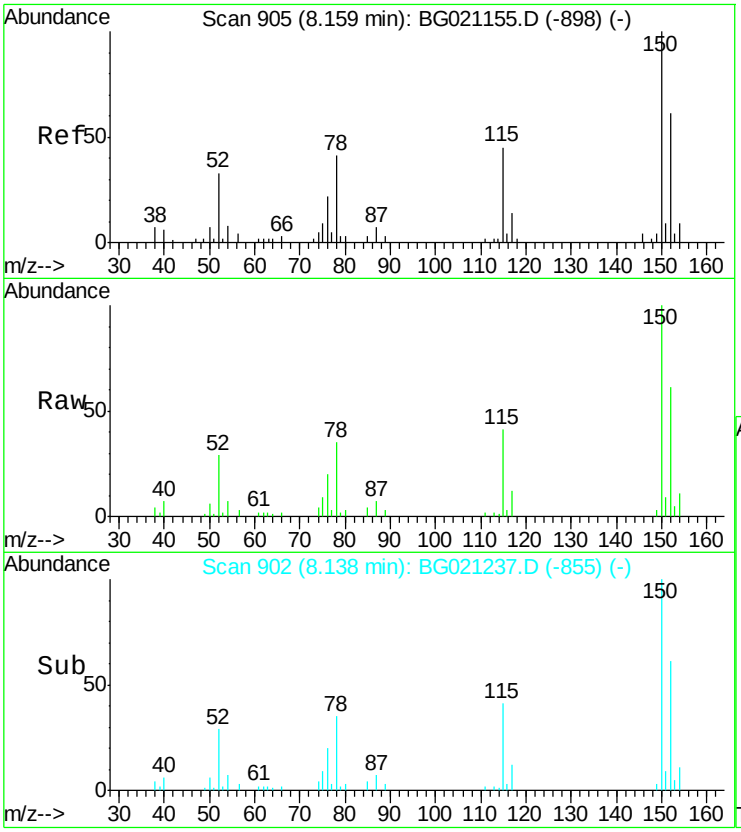
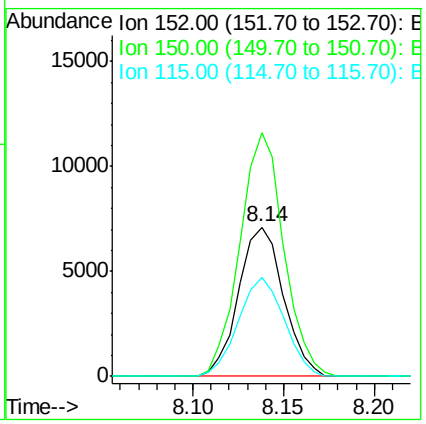




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 902
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:152 Resp: 12255

Ion	Ratio	Lower	Upper
152	100		
150	163.3	123.4	185.2
115	66.8	43.3	64.9#



Instrument :
BNA_G
ClientSampleId :
P-10RE

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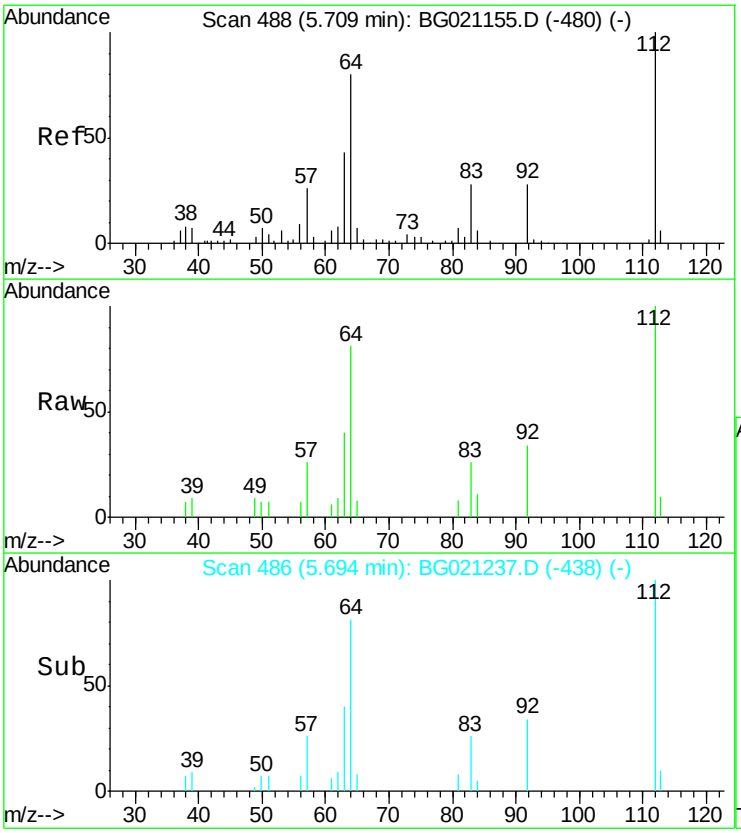
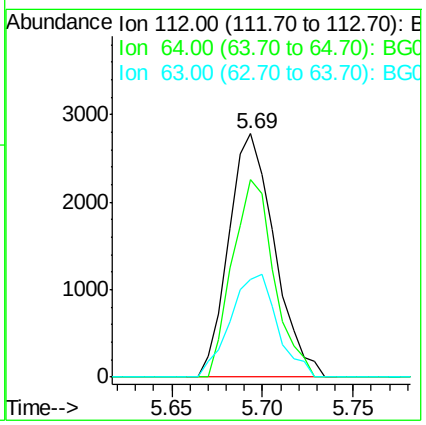
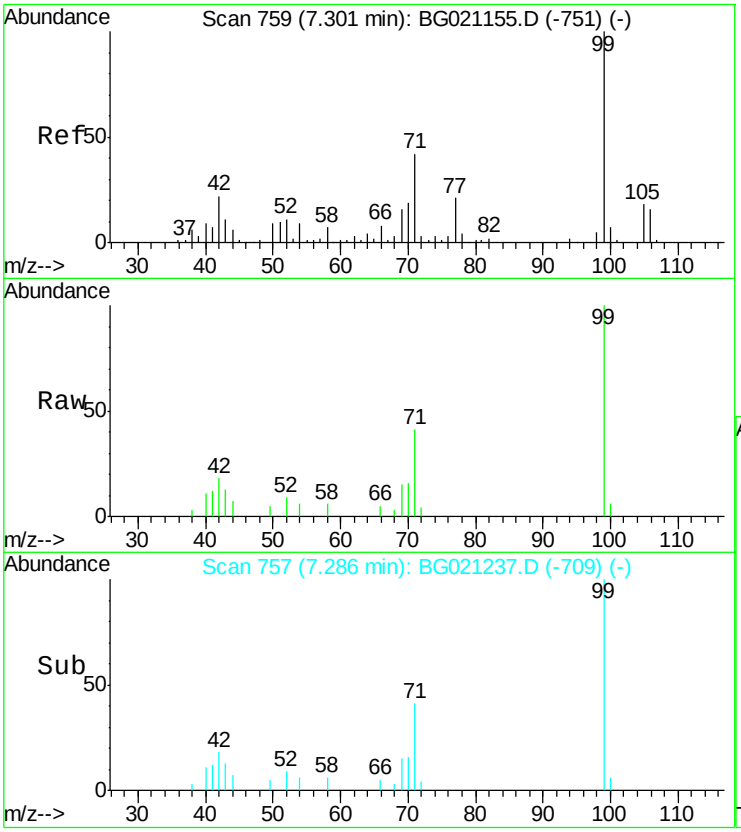


#5
2-Fluorophenol
Concen: 6.35 ng
RT: 5.69 min Scan# 486
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:112 Resp: 4892

Ion	Ratio	Lower	Upper
112	100		
64	81.2	42.6	63.8#
63	40.2	21.7	32.5#





#7
Phenol-d6
Concen: 6.41 ng
RT: 7.29 min Scan# 757
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion: 99 Resp: 8130

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.2	19.8
71	41.5	25.2	37.8#

Instrument :
BNA_G
ClientSampleId :
P-10RE

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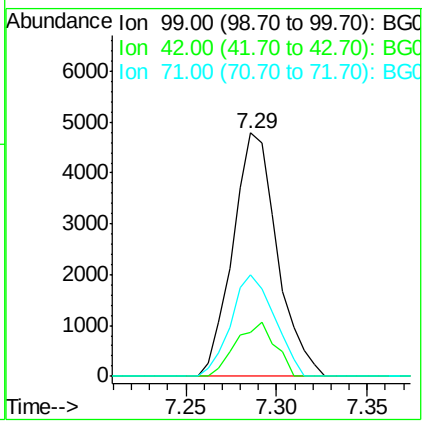
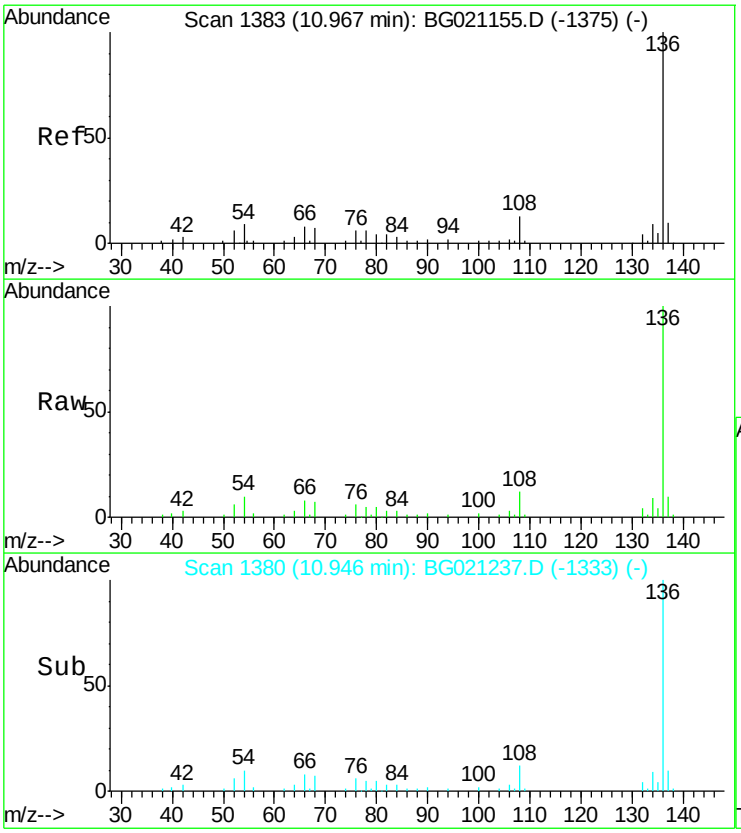
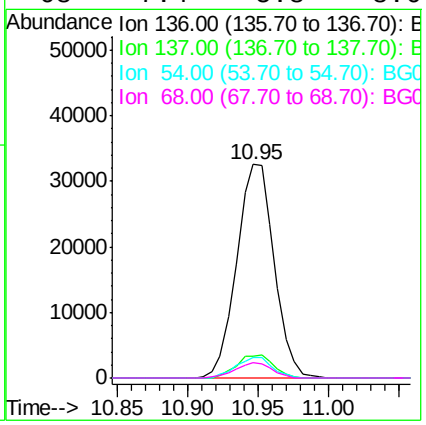


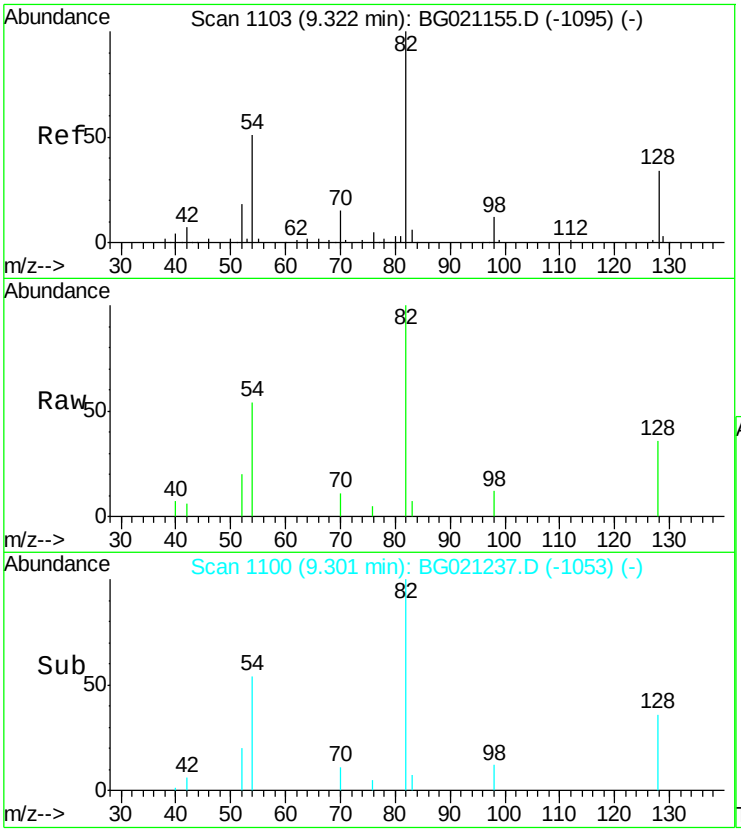


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1380
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:136 Resp: 60363

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.8	13.2
54	9.5	6.9	10.3
68	7.4	5.8	8.6

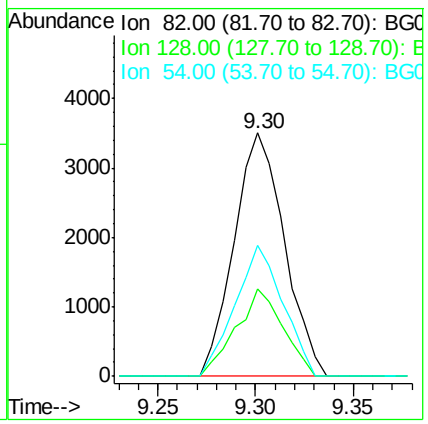




#23
Nitrobenzene-d5
Concen: 4.37 ng
RT: 9.30 min Scan# 1100
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion: 82 Resp: 6235

Ion	Ratio	Lower	Upper
82	100		
128	35.9	36.3	54.5#
54	53.9	37.6	56.4



Instrument :
BNA_G
ClientSampleId :
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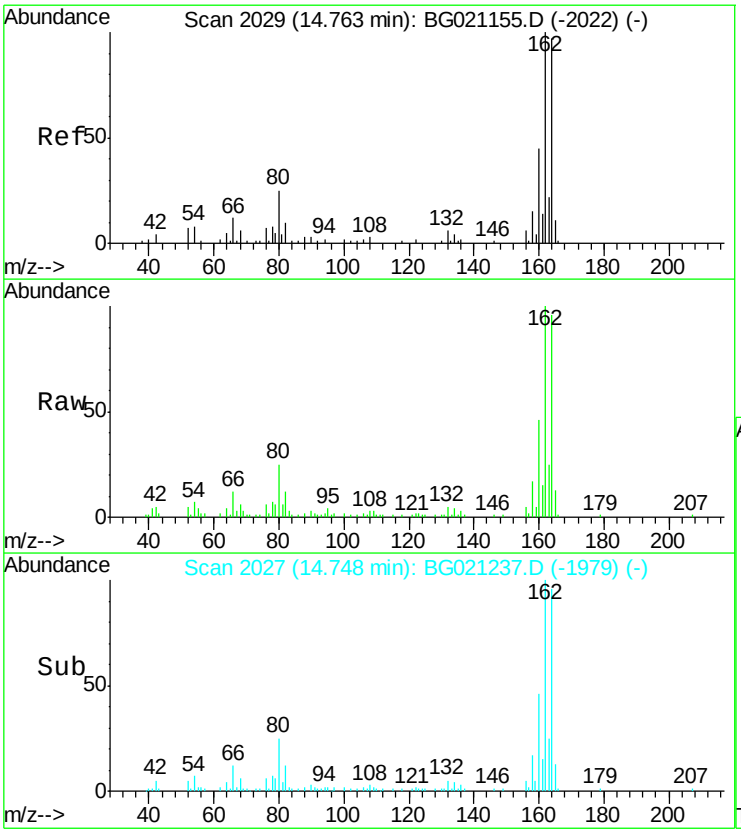
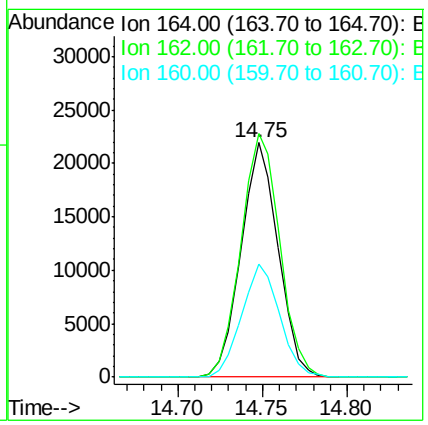
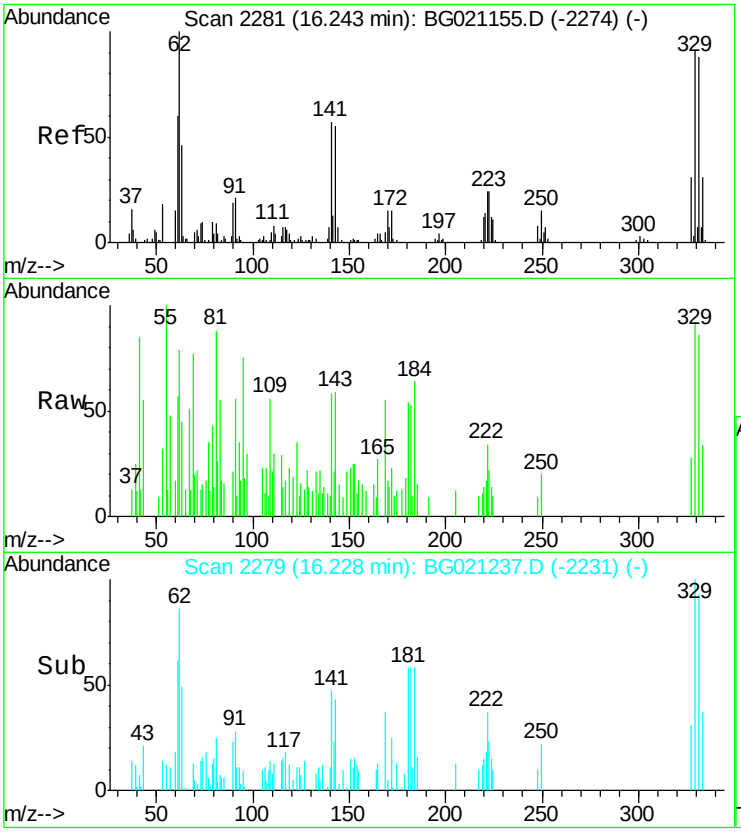


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:164 Resp: 33460

Ion	Ratio	Lower	Upper
164	100		
162	104.0	80.6	120.8
160	48.2	36.5	54.7





#41
2,4,6-Tribromophenol
Concen: 6.36 ng
RT: 16.23 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:330 Resp: 2213

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	77.1	35.3	52.9#

Instrument :
BNA_G
ClientSampleId :
P-10RE

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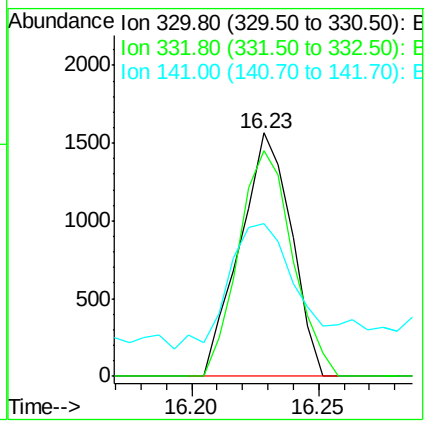
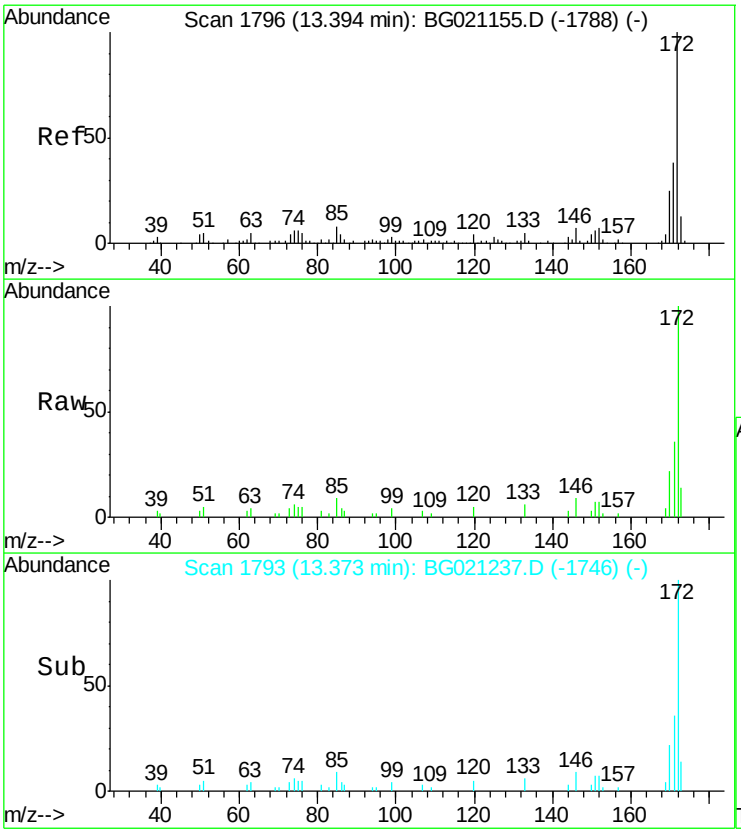
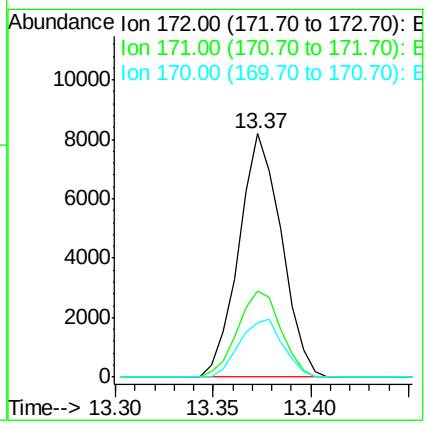


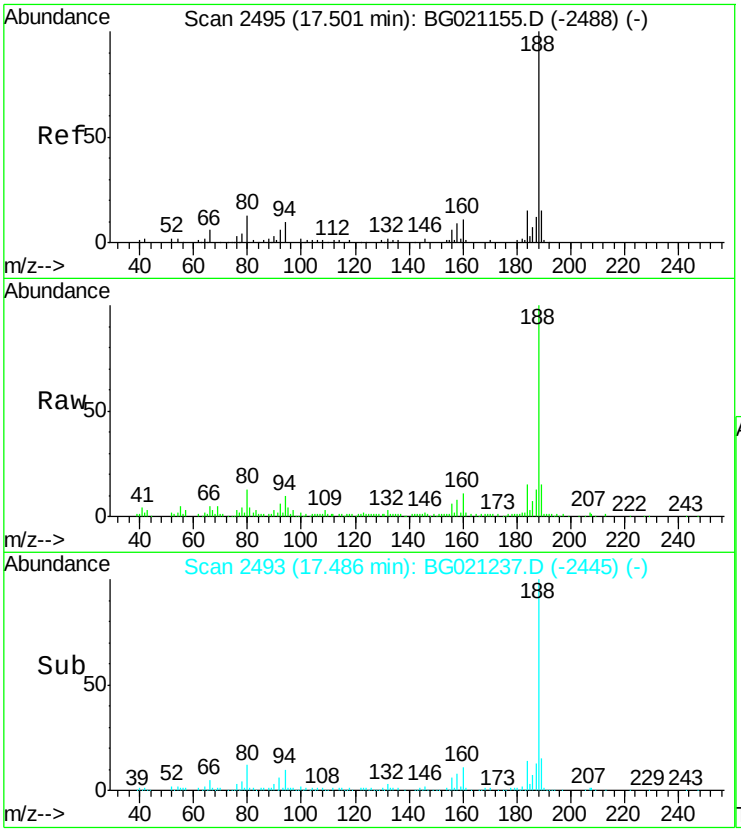


#44
2-Fluorobiphenyl
Concen: 5.25 ng
RT: 13.37 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:172 Resp: 12377

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.3	19.8	29.8

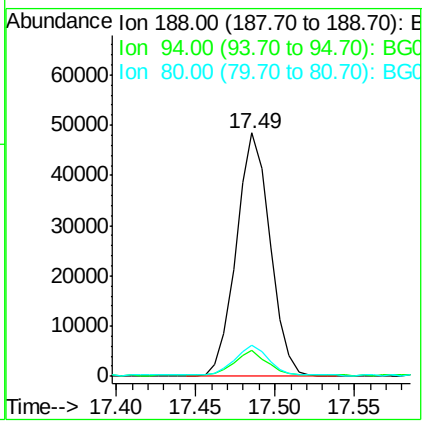




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:188 Resp: 71720

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.2	12.4
80	12.8	9.2	13.8



Instrument :
BNA_G
ClientSampleId :
P-10RE

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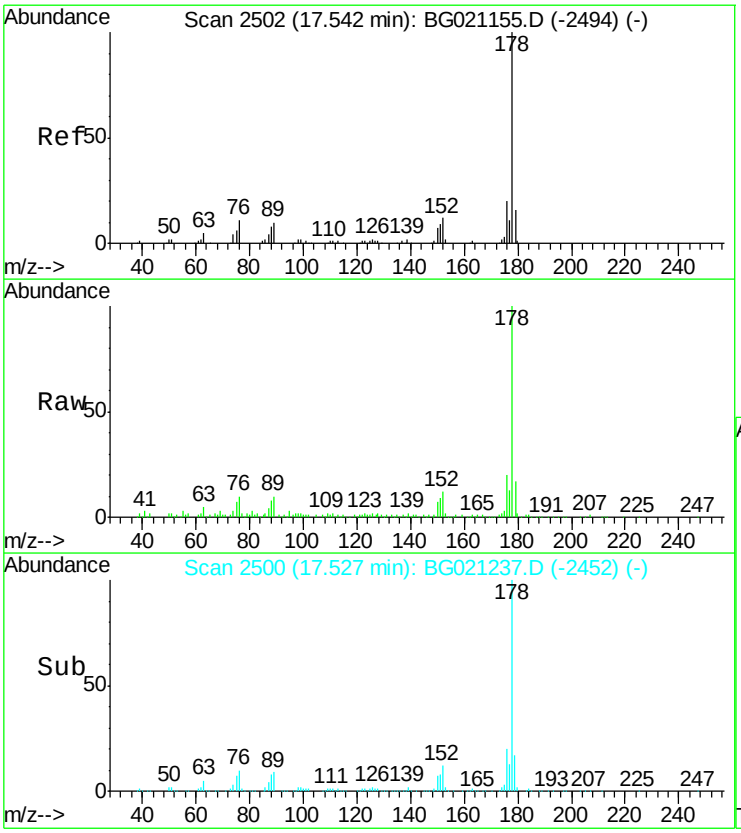
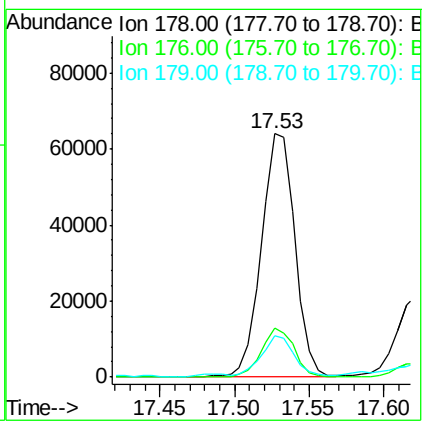
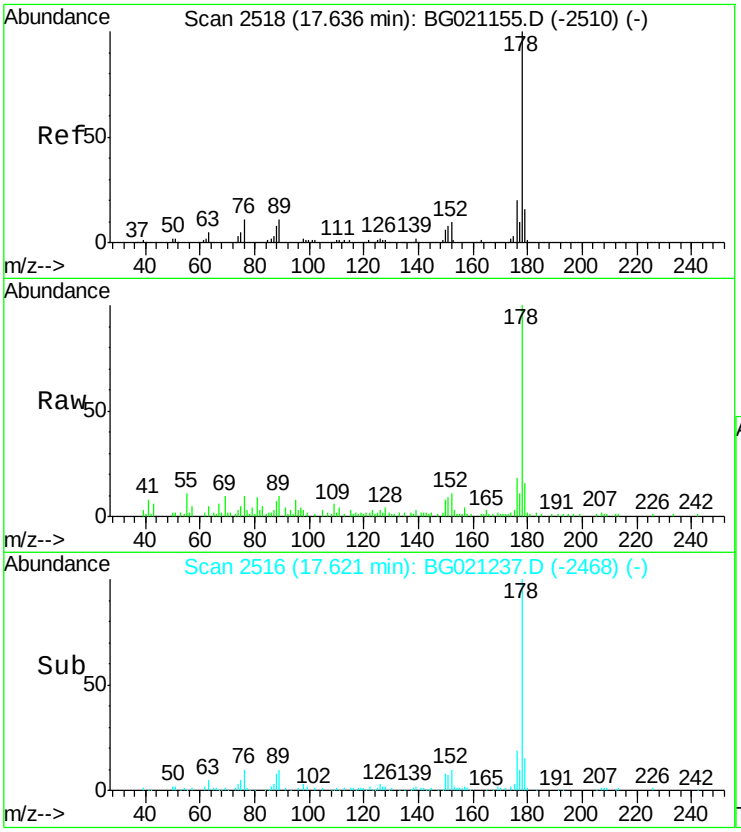


#70
Phenanthrene
Concen: 25.42 ng
RT: 17.53 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:178 Resp: 98379

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	17.1	12.9	19.3

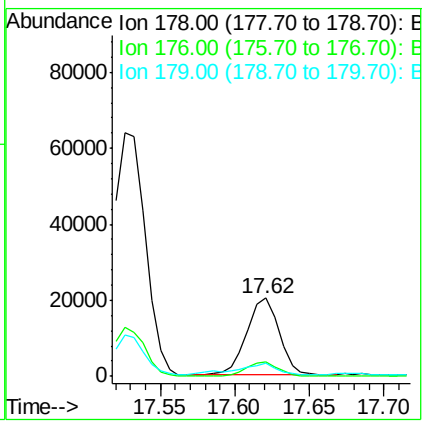




#71
Anthracene
Concen: 7.69 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:178 Resp: 30464

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	16.2	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
P-10RE

Manual Integrations APPROVED
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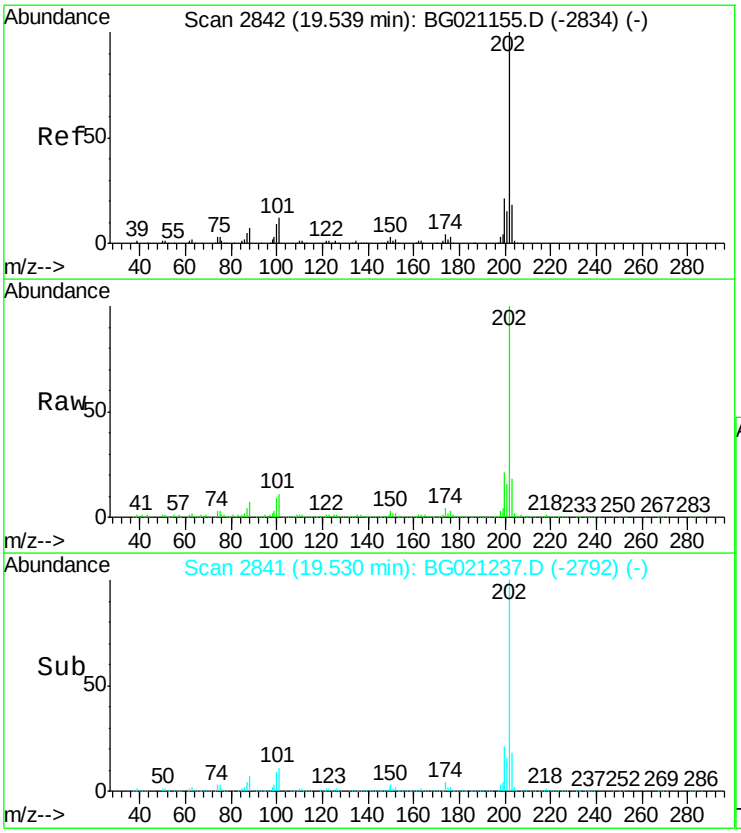
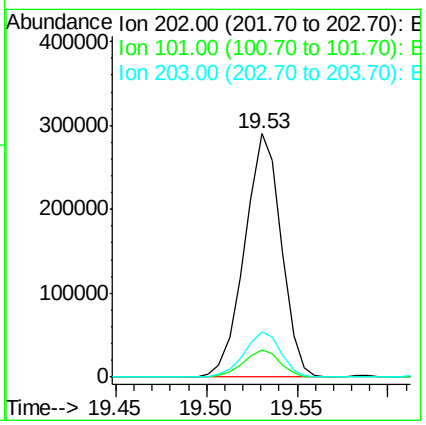
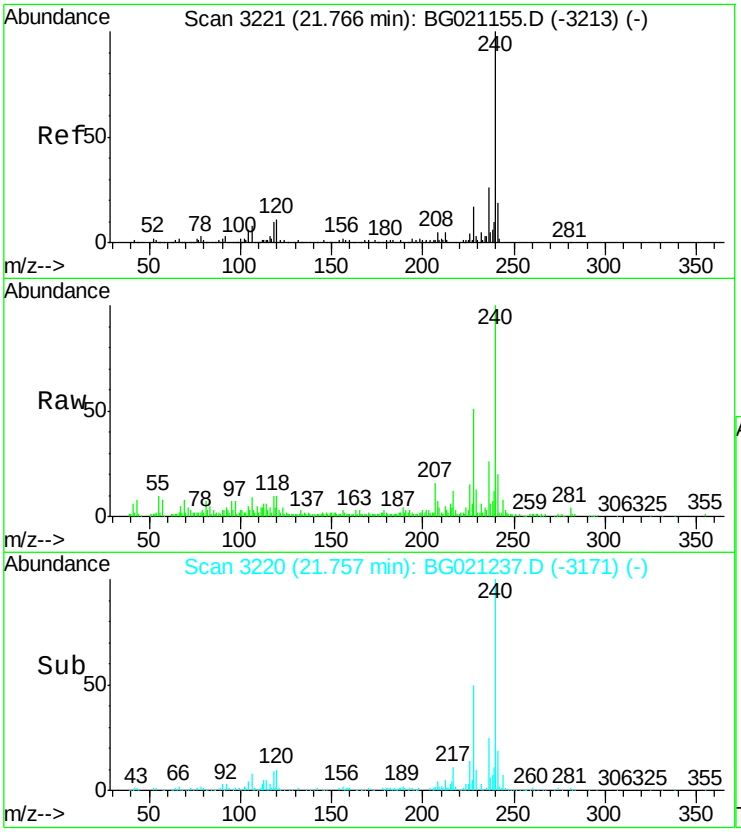


#74
Fluoranthene
Concen: 89.45 ng
RT: 19.53 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:202 Resp: 406742

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.5
203	18.4	0.0	37.6

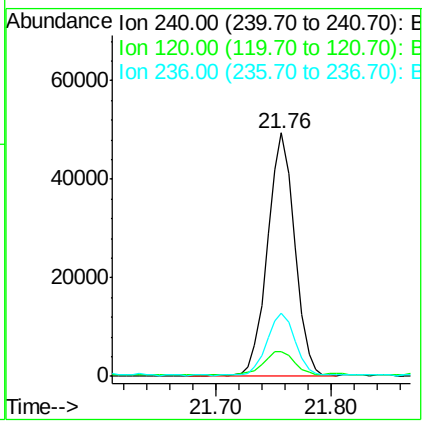




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3220
Delta R.T. -0.01 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:240 Resp: 81597

Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.5	11.3
236	25.8	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
P-10RE

Manual Integrations APPROVED
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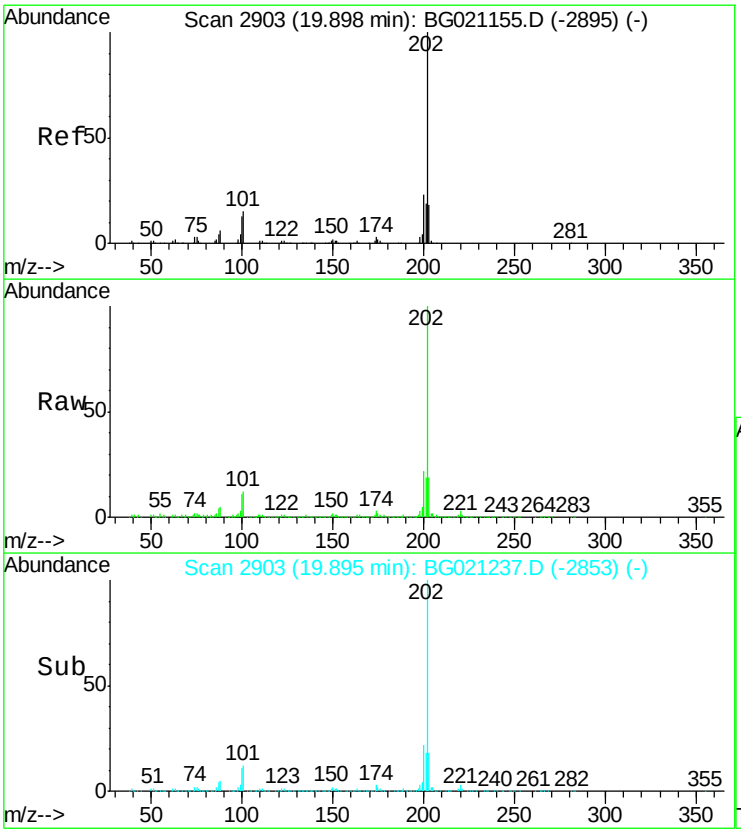
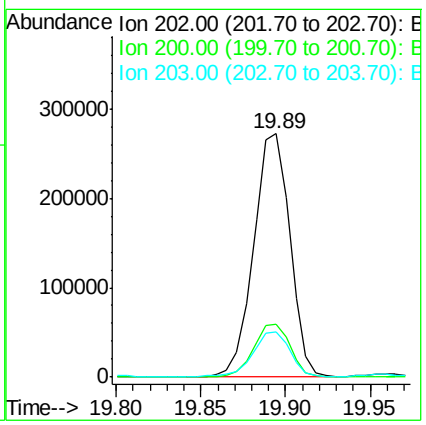
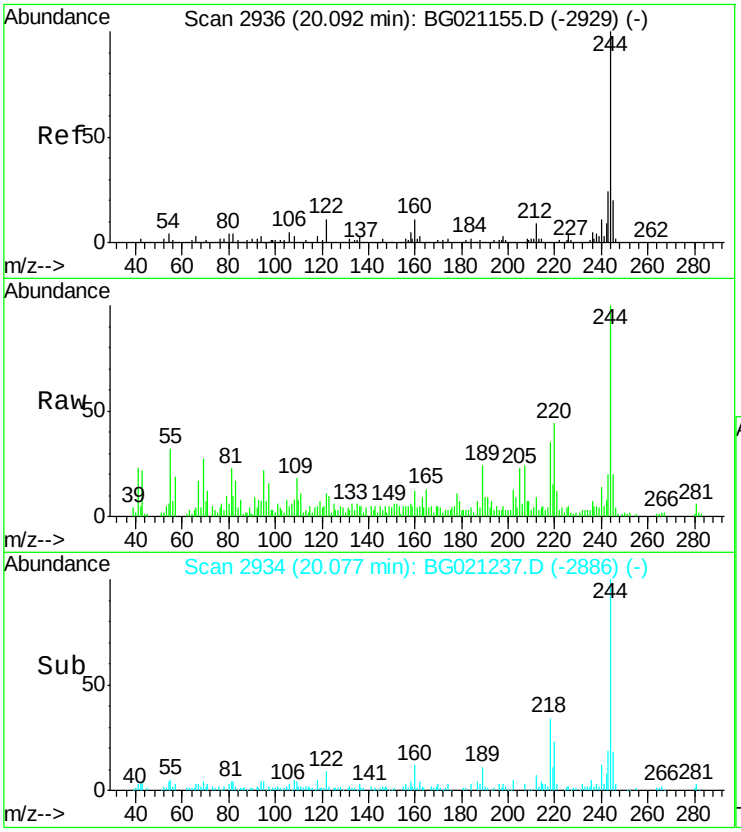


#77
Pyrene
Concen: 83.34 ng
RT: 19.89 min Scan# 2903
Delta R.T. -0.00 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:202 Resp: 405694

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.6	25.0
203	18.7	13.8	20.8





#78
Terphenyl-d14
Concen: 5.17 ng
RT: 20.08 min Scan# 2934
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:244 Resp: 17412

Ion	Ratio	Lower	Upper
244	100		
212	8.9	5.8	8.6#
122	11.4	8.3	12.5

Instrument :
BNA_G
ClientSampleId :
P-10RE

Manual Integrations APPROVED
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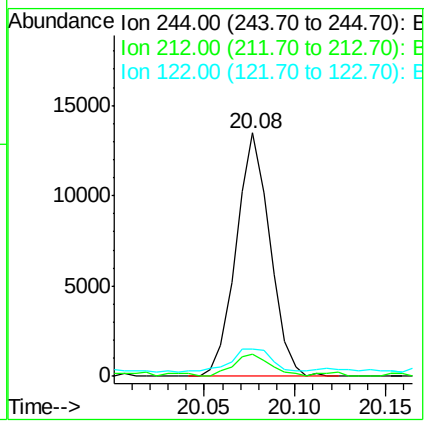
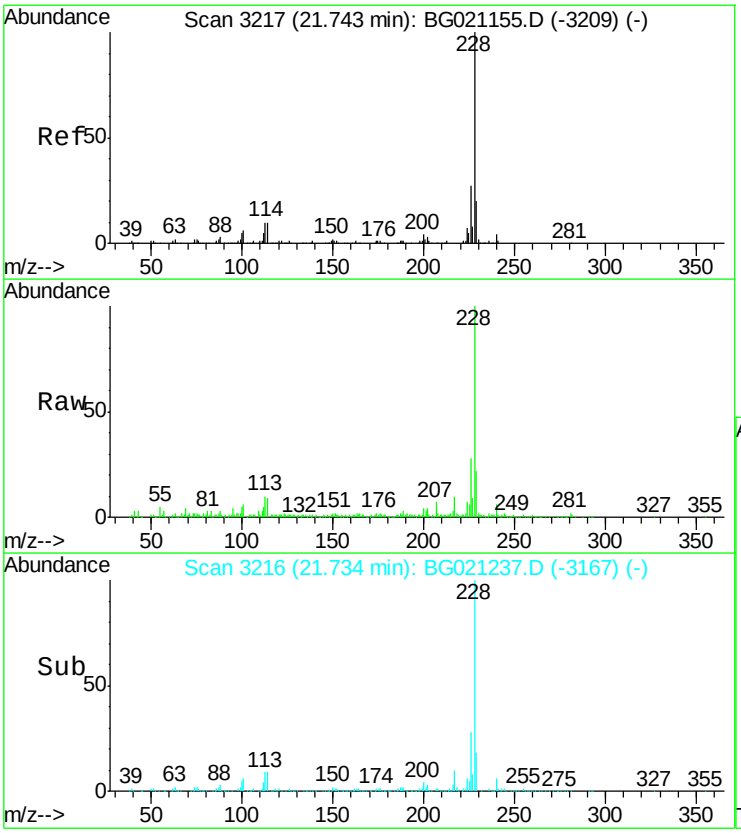
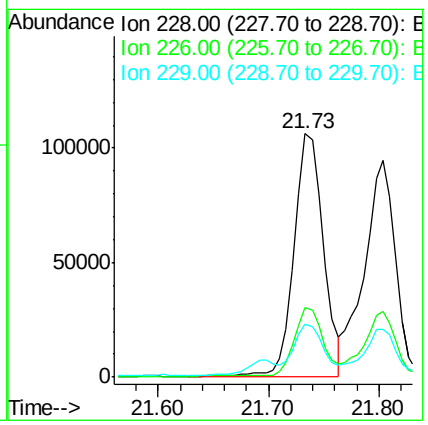


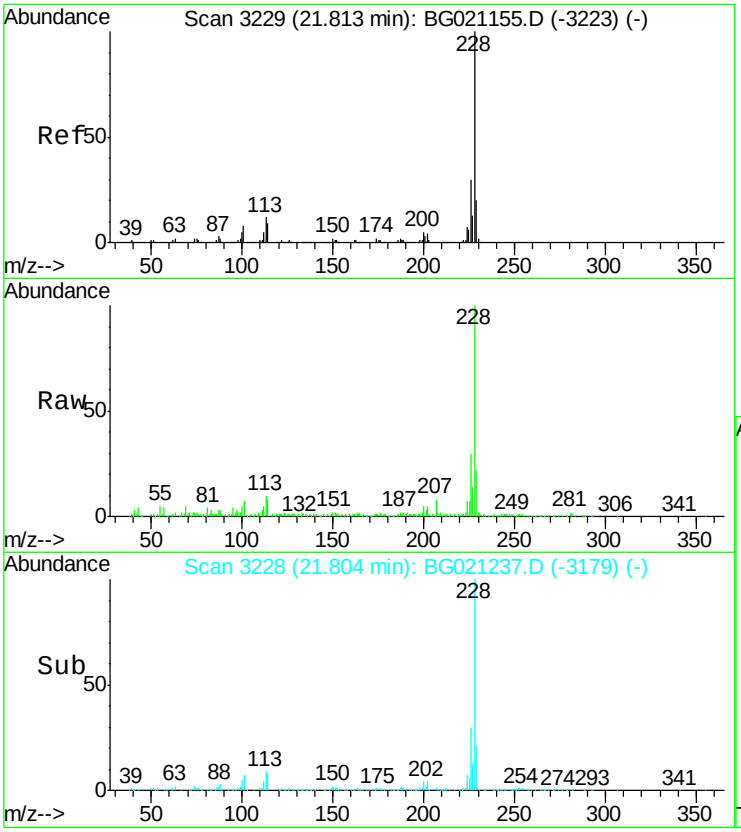


#80
Benzo(a)anthracene
Concen: 39.87 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:228 Resp: 192613

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	21.9	15.5	23.3

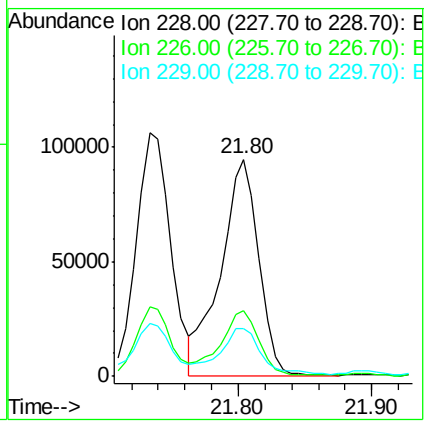




#82
Chrysene
Concen: 40.87 ng
RT: 21.80 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:228 Resp: 187093

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	22.2	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
P-10RE

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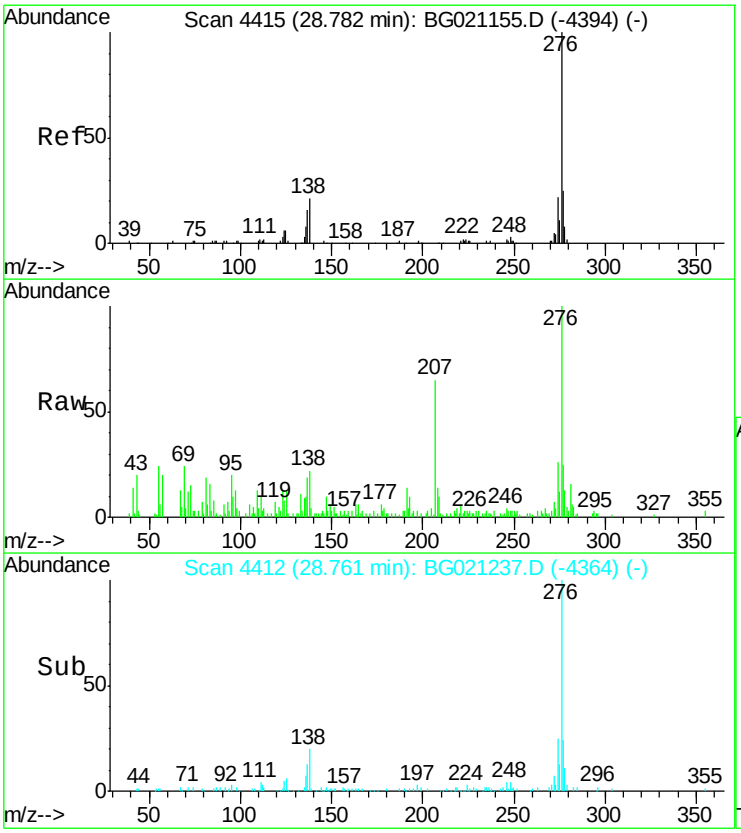
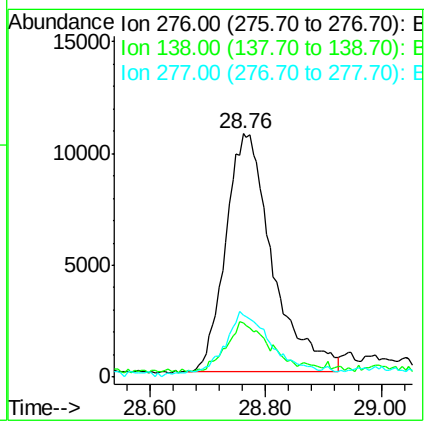
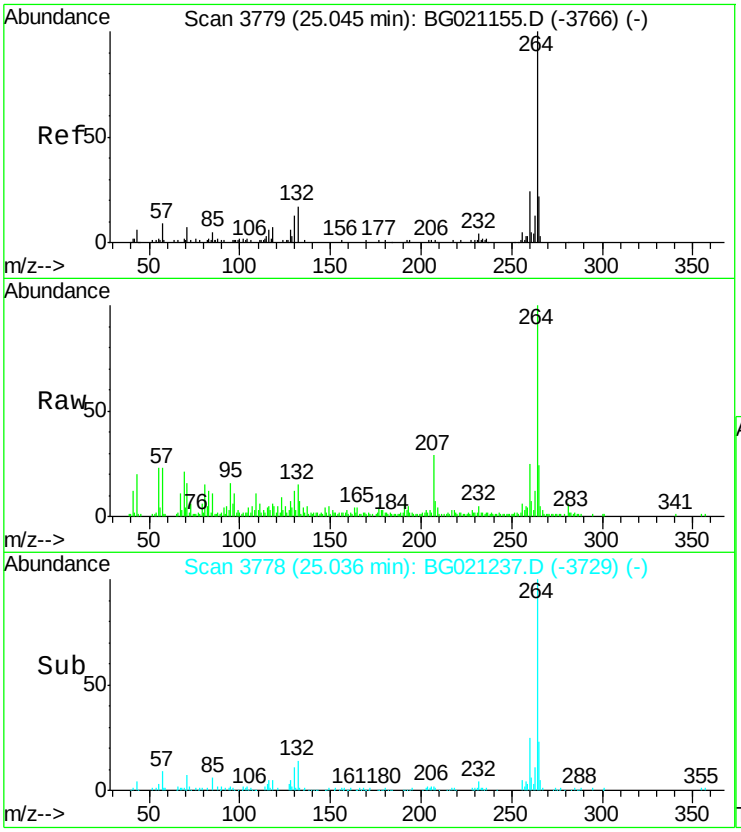


#85
Indeno(1,2,3-cd)pyrene
Concen: 11.45 ng
RT: 28.76 min Scan# 4412
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:276 Resp: 60091

Ion	Ratio	Lower	Upper
276	100		
138	19.1	16.0	24.0
277	25.7	16.0	24.0#

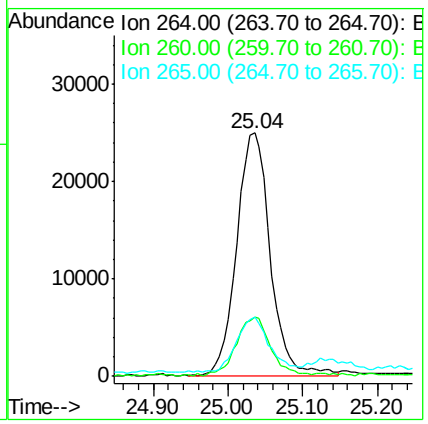




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. -0.01 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:264 Resp: 78654

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.5	27.7
265	24.2	18.6	28.0



Instrument :
BNA_G
ClientSampleId :
P-10RE

Manual Integrations APPROVED
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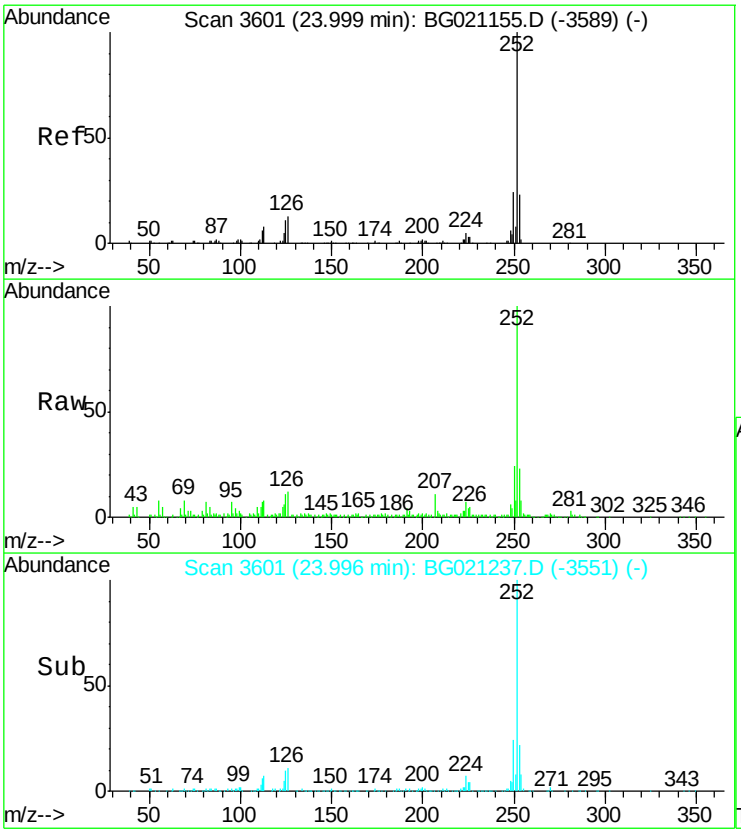
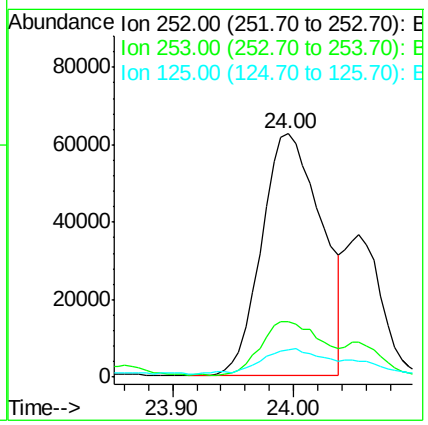
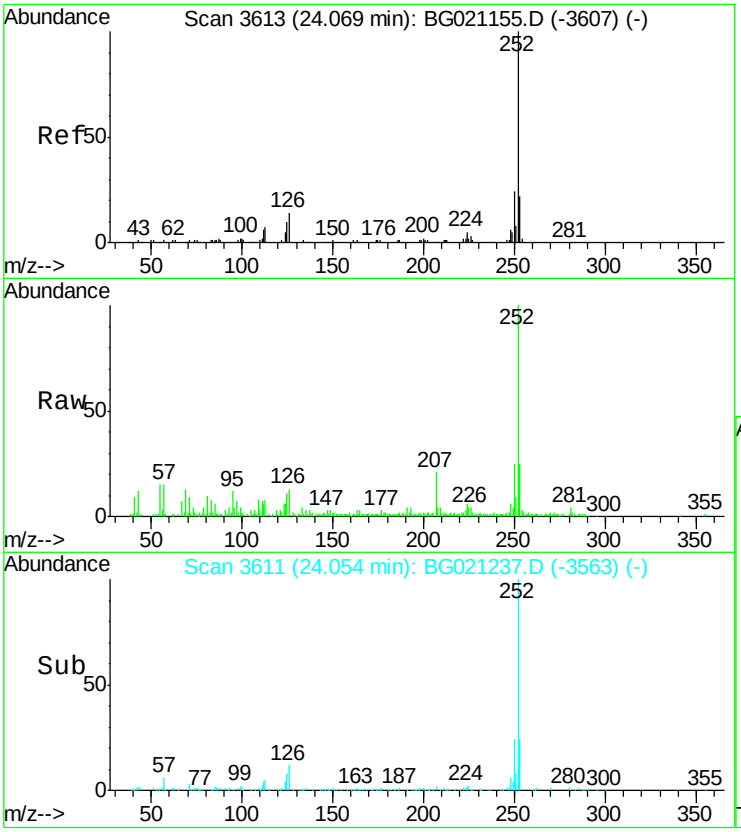


#87
Benzo(b)fluoranthene
Concen: 43.54 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:252 Resp: 215392

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.8	25.2
125	11.0	8.2	12.2

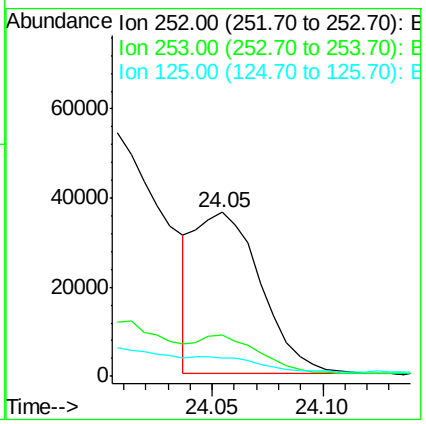




#88
Benzo(k)fluoranthene
Concen: 15.17 ng m
RT: 24.05 min Scan# 3611
Delta R.T. -0.02 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:252 Resp: 75176

Ion	Ratio	Lower	Upper
252	100		
253	25.0	16.4	24.6#
125	11.4	8.2	12.2



Instrument :
BNA_G
ClientSampleId :
P-10RE

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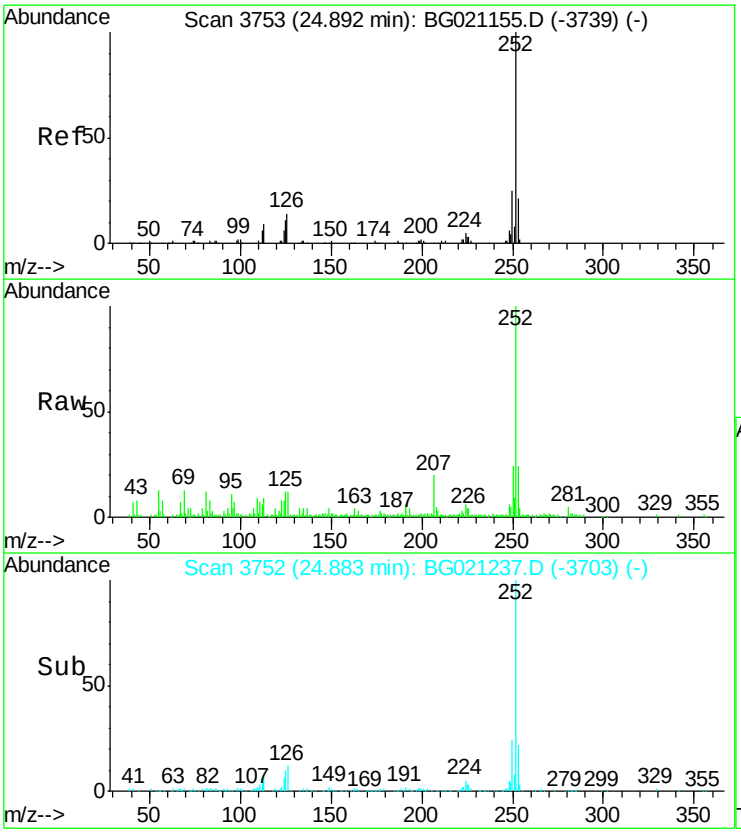
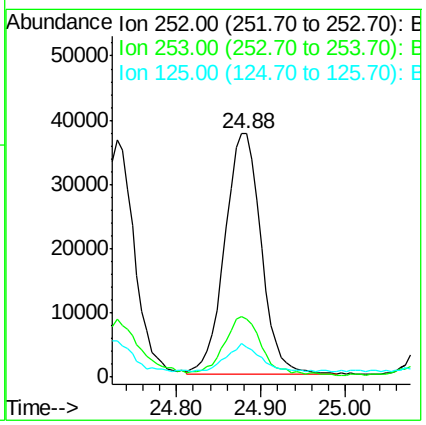
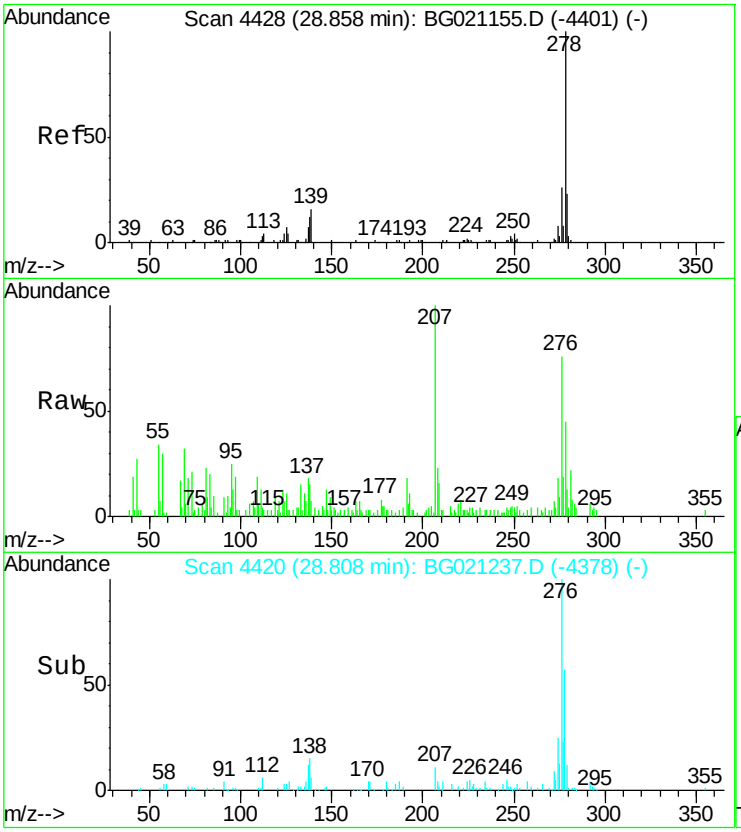


#89
Benzo(a)pyrene
Concen: 23.20 ng
RT: 24.88 min Scan# 3752
Delta R.T. -0.01 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:252 Resp: 110951

Ion	Ratio	Lower	Upper
252	100		
253	23.9	15.8	23.8#
125	12.1	8.4	12.6

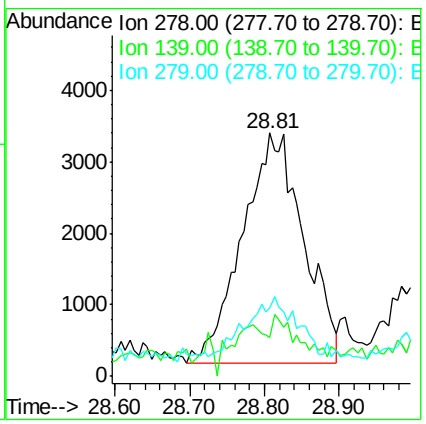




#90
Dibenzo(a,h)anthracene
Concen: 3.86 ng
RT: 28.81 min Scan# 4420
Delta R.T. -0.05 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:278 Resp: 18269

Ion	Ratio	Lower	Upper
278	100		
139	15.9	10.6	15.8#
279	28.3	19.7	29.5



Instrument :
BNA_G
ClientSampleId :
P-10RE

Manual Integrations APPROVED
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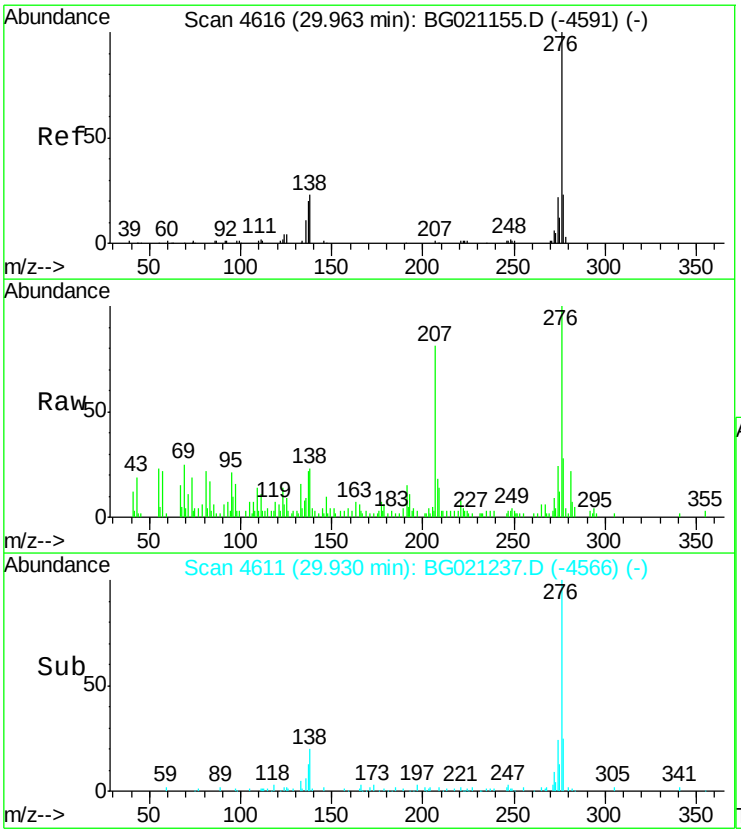

#91
Benzo(g,h,i)perylene
Concen: 10.70 ng
RT: 29.93 min Scan# 4611
Delta R.T. -0.03 min
Lab File: BG021237.D
Acq: 3 Mar 2016 9:22

Tgt Ion:276 Resp: 48919

Ion	Ratio	Lower	Upper
276	100		
277	27.6	16.6	25.0#
138	22.9	14.6	21.8#