Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021007.D
Acq On : 20 Feb 2016 13:56
Operator : SJ/UM
Sample : H1453-03 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EGR-A-2

Manual Integrations APPROVED
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2/22/2016 10:55:53 AM

Quant Time: Feb 22 00:04:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	23660	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	131240	20.00	ng	-0.02
38) Acenaphthene-d10	14.87	164	82769	20.00	ng	-0.02
63) Phenanthrene-d10	17.61	188	160282	20.00	ng	0.00
75) Chrysene-d12	21.89	240	150310	20.00	ng	-0.02
86) Perylene-d12	25.26	264	143824	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	25724	18.31	ng	0.00
7) Phenol-d6	7.40	99	38410	18.70	ng	0.00
23) Nitrobenzene-d5	9.43	82	21792	10.92	ng	-0.02
41) 2,4,6-Tribromophenol	16.35	330	13141	16.14	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	64259	10.91	ng	-0.02
78) Terphenyl-d14	20.19	244	68243	10.59	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	17.65	178	23238	2.55	ng	99
74) Fluoranthene	19.64	202	51509	5.23	ng	98
77) Pyrene	20.00	202	46267	4.67	ng	99
80) Benzo(a)anthracene	21.86	228	25449	2.84	ng	98
82) Chrysene	21.93	228	20571m	2.44	ng	
87) Benzo(b)fluoranthene	24.18	252	28263	3.21	ng	98
89) Benzo(a)pyrene	25.09	252	20910	2.49	ng	97

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021007.D
Acq On : 20 Feb 2016 13:56
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Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
EGR-A-2

Manual Integrations APPROVED
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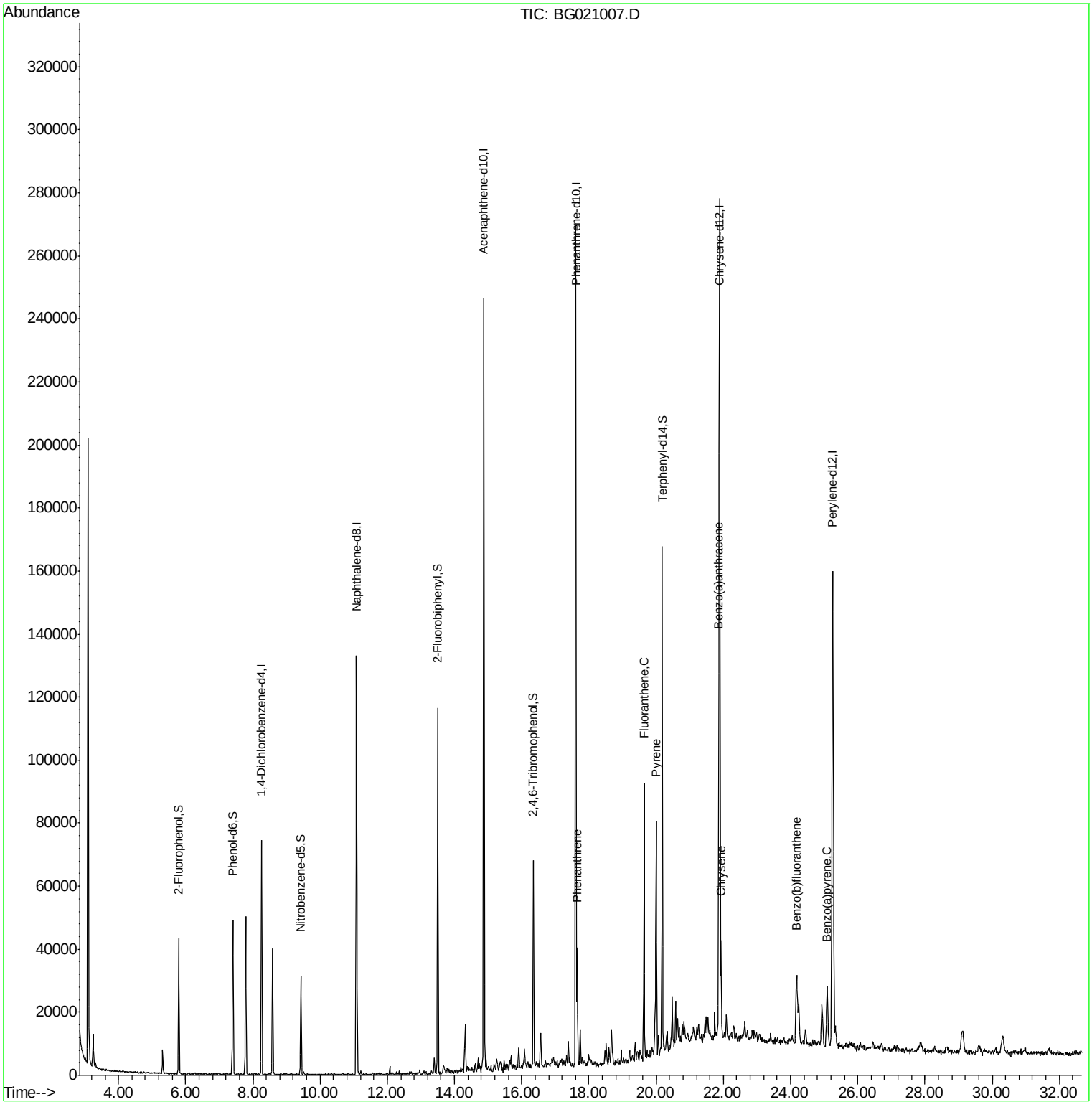
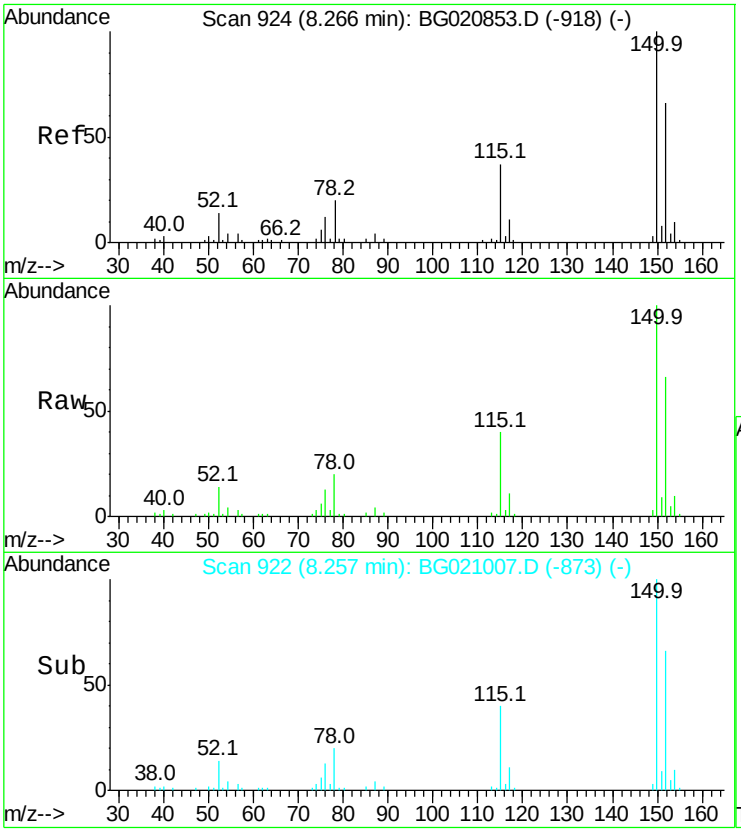
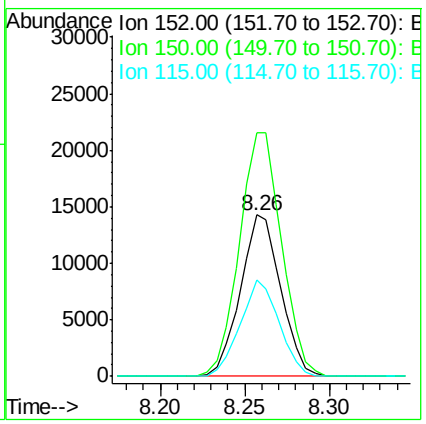




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.26 min Scan# 922
Delta R.T. -0.01 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:152 Resp: 23660

Ion	Ratio	Lower	Upper
152	100		
150	151.0	122.0	183.0
115	59.8	45.2	67.8



Instrument :
BNA_G
ClientSampleId :
EGR-A-2

Manual Integrations APPROVED
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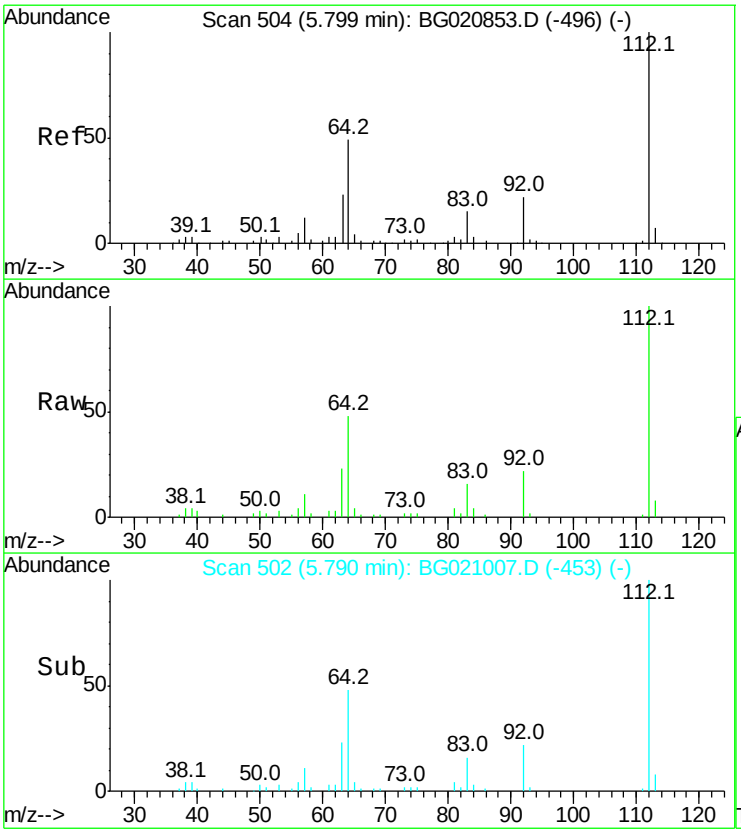
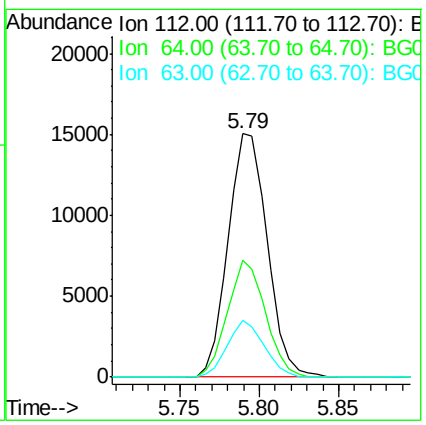
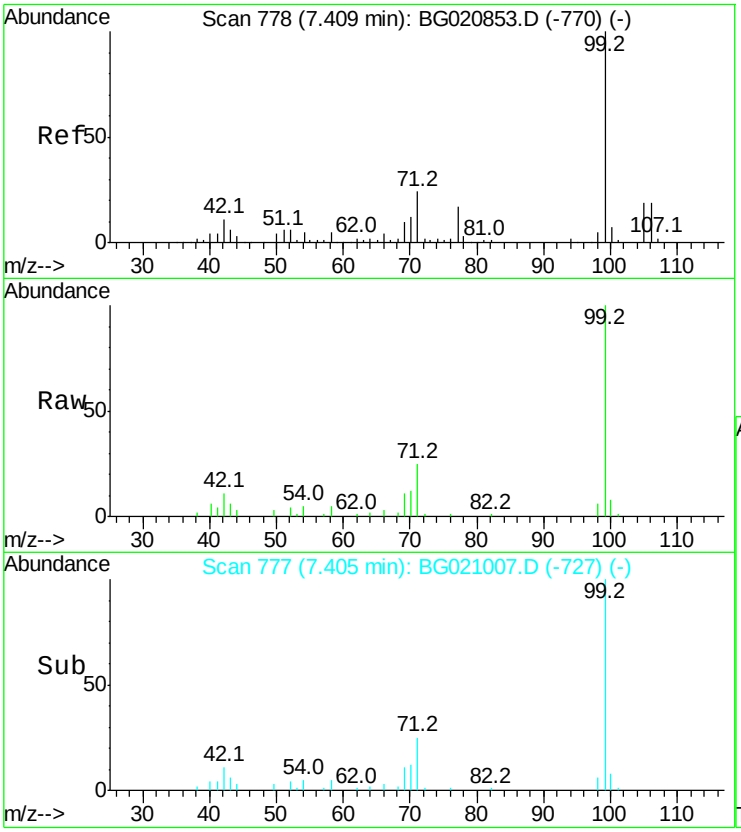


#5
2-Fluorophenol
Concen: 18.31 ng
RT: 5.79 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:112 Resp: 25724

Ion	Ratio	Lower	Upper
112	100		
64	47.9	39.3	58.9
63	23.3	18.2	27.4

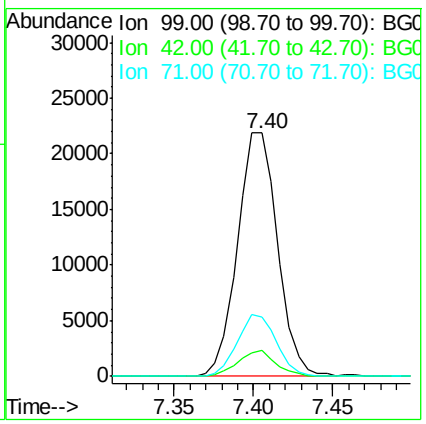




#7
Phenol-d6
Concen: 18.70 ng
RT: 7.40 min Scan# 777
Delta R.T. -0.00 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion: 99 Resp: 38410

Ion	Ratio	Lower	Upper
99	100		
42	10.7	8.4	12.6
71	24.6	19.4	29.0



Instrument :
BNA_G
ClientSampleId :
EGR-A-2

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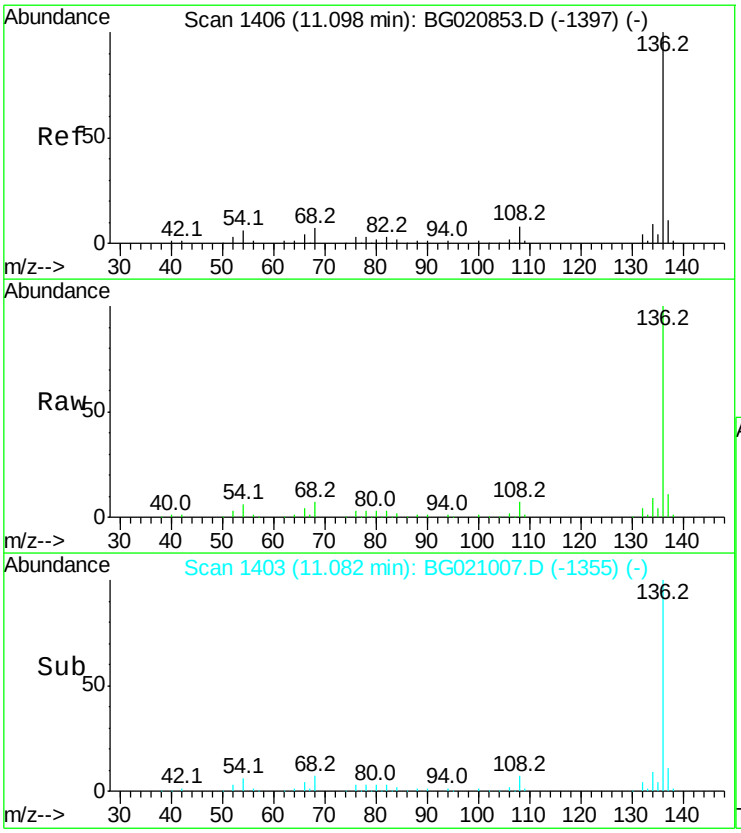
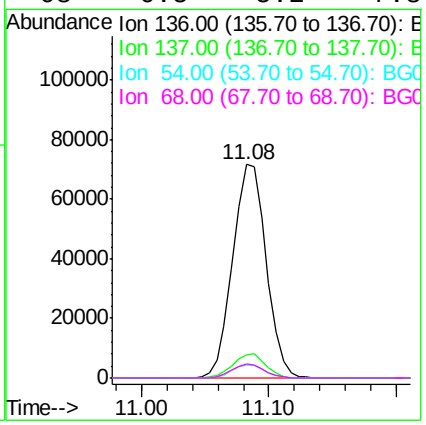
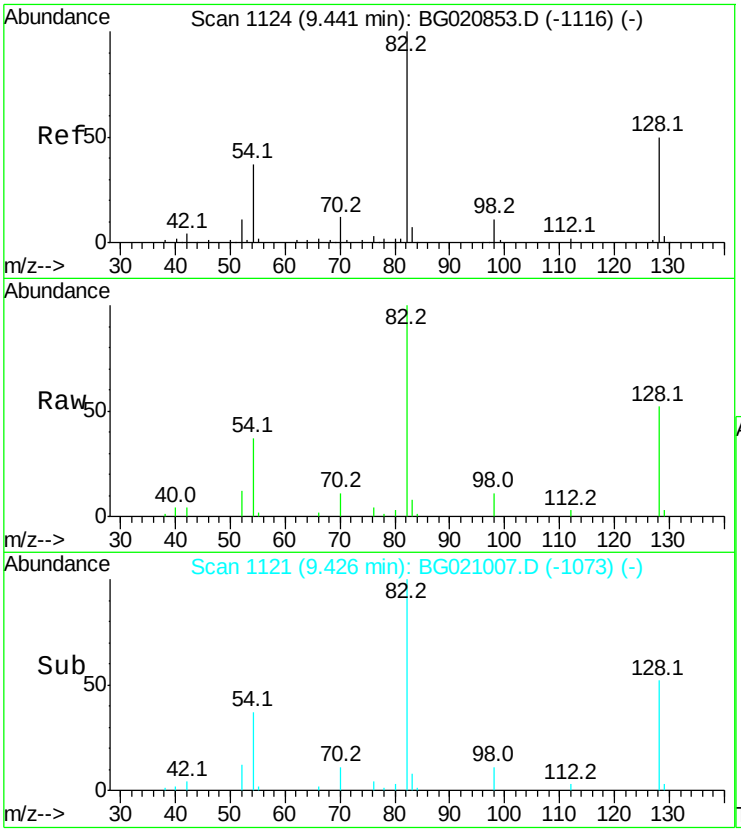


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:136 Resp: 131240

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.1	5.0	7.4
68	6.5	5.2	7.8

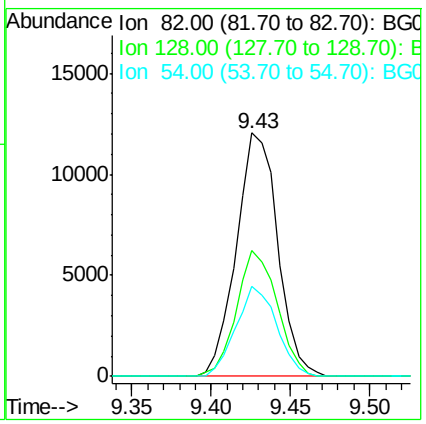




#23
Nitrobenzene-d5
Concen: 10.92 ng
RT: 9.43 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion: 82 Resp: 21792

Ion	Ratio	Lower	Upper
82	100		
128	51.6	40.1	60.1
54	37.2	29.5	44.3



Instrument :
BNA_G
ClientSampleId :
EGR-A-2

Manual Integrations APPROVED
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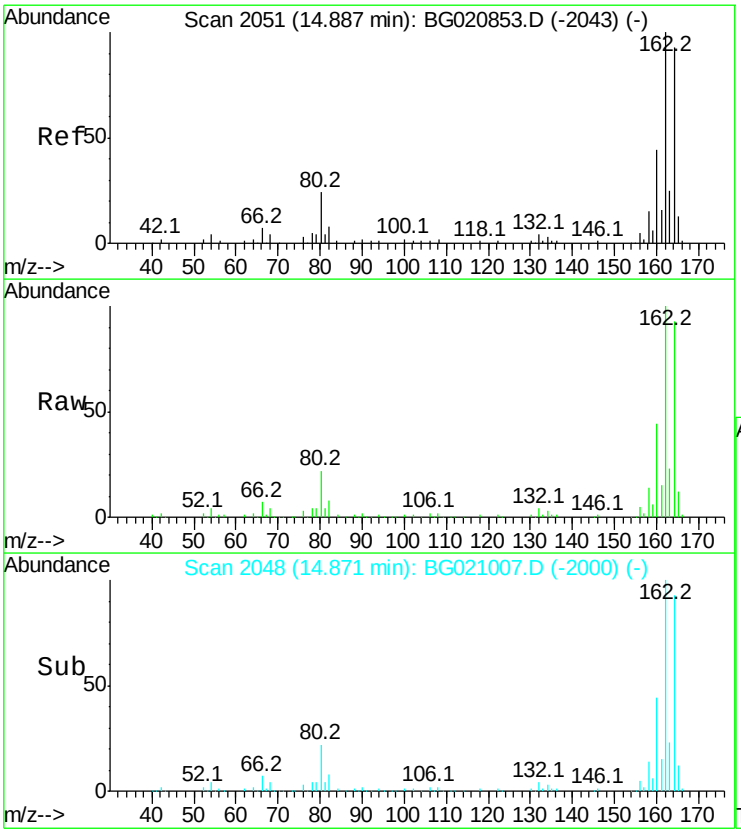
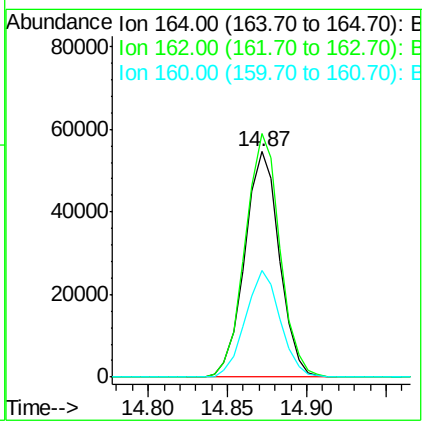
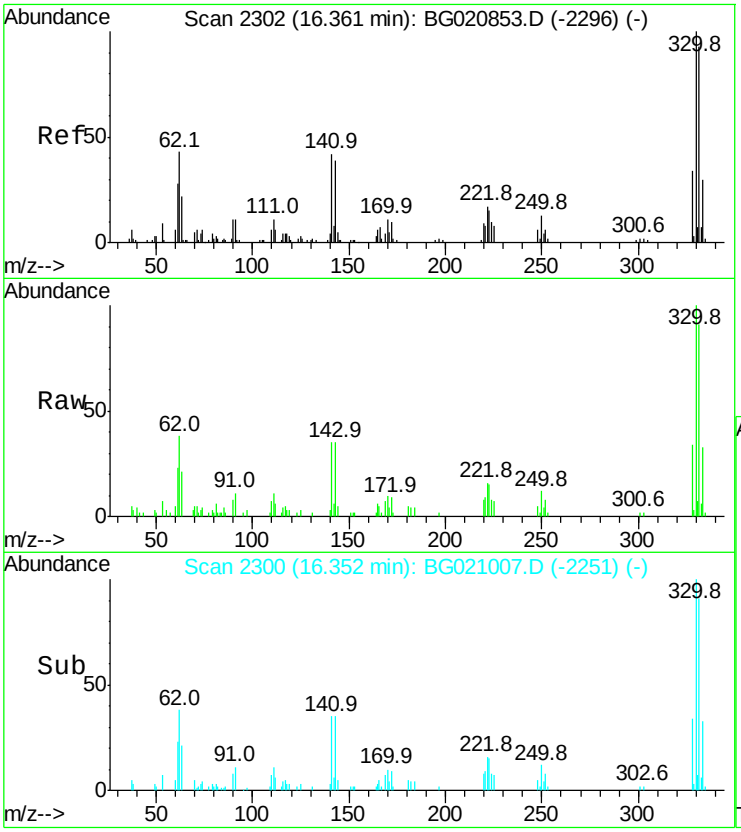


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.87 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:164 Resp: 82769

Ion	Ratio	Lower	Upper
164	100		
162	108.1	85.7	128.5
160	47.3	37.4	56.0





#41
2,4,6-Tribromophenol
Concen: 16.14 ng
RT: 16.35 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:330 Resp: 13141

Ion	Ratio	Lower	Upper
330	100		
332	93.0	76.1	114.1
141	38.4	32.0	48.0

Instrument :
BNA_G
ClientSampleId :
EGR-A-2

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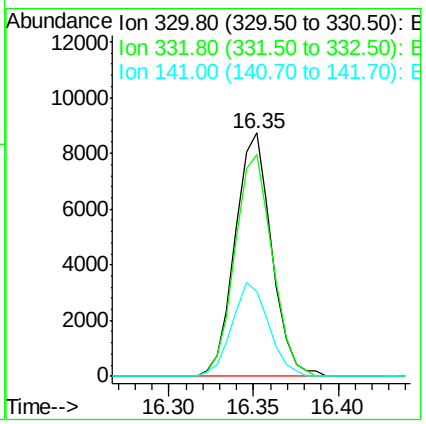
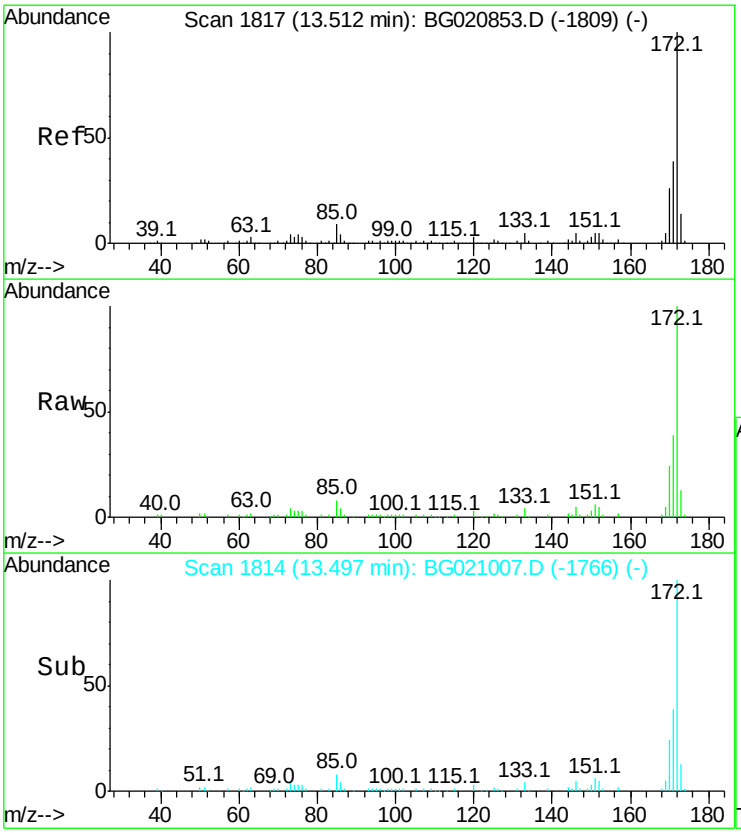
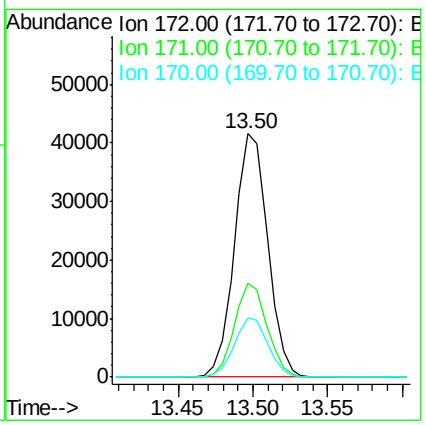


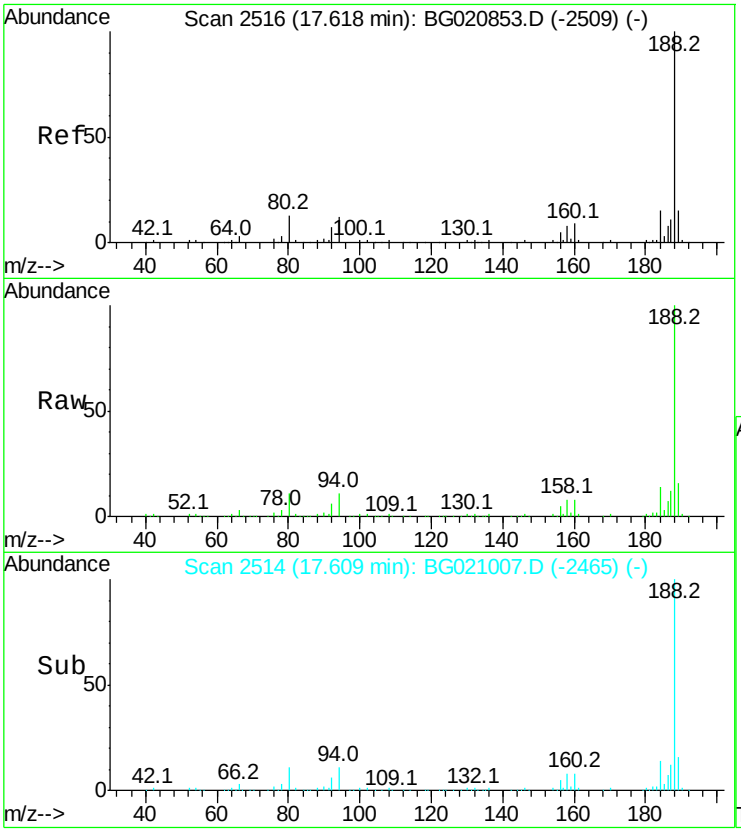


#44
2-Fluorobiphenyl
Concen: 10.91 ng
RT: 13.50 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:172 Resp: 64259

Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.2	46.8
170	24.4	20.6	30.8





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:188 Resp: 160282

Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.0
80	11.0	10.2	15.4

Instrument :
BNA_G
ClientSampleId :
EGR-A-2

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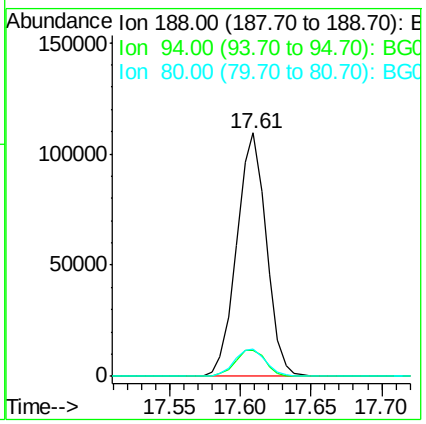
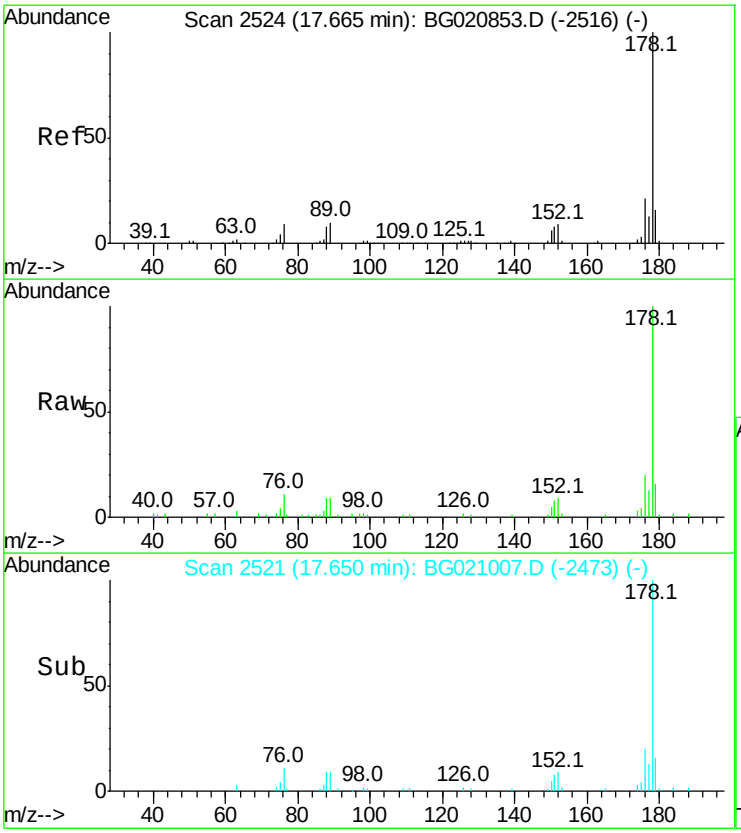
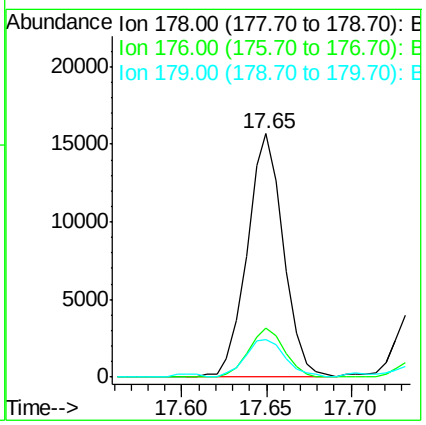


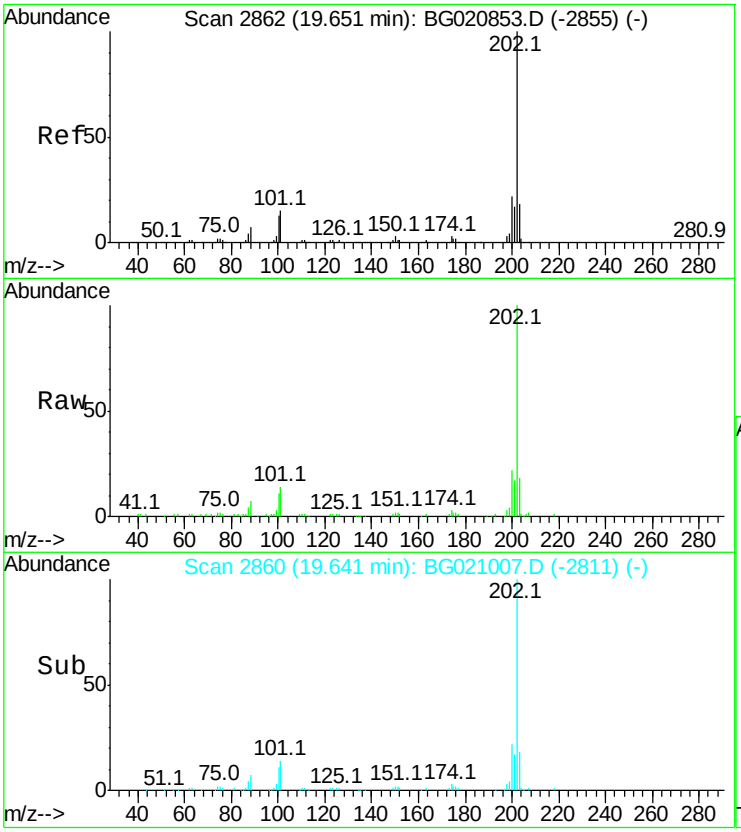


#70
Phenanthrene
Concen: 2.55 ng
RT: 17.65 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:178 Resp: 23238

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.8	25.2
179	15.5	12.6	19.0

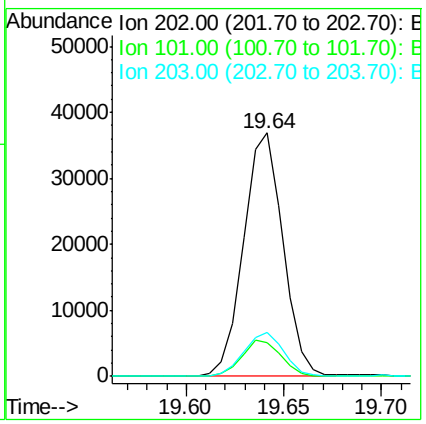




#74
Fluoranthene
Concen: 5.23 ng
RT: 19.64 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:202 Resp: 51509

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	35.3
203	18.2	0.0	37.8



Instrument :
BNA_G
ClientSampleId :
EGR-A-2

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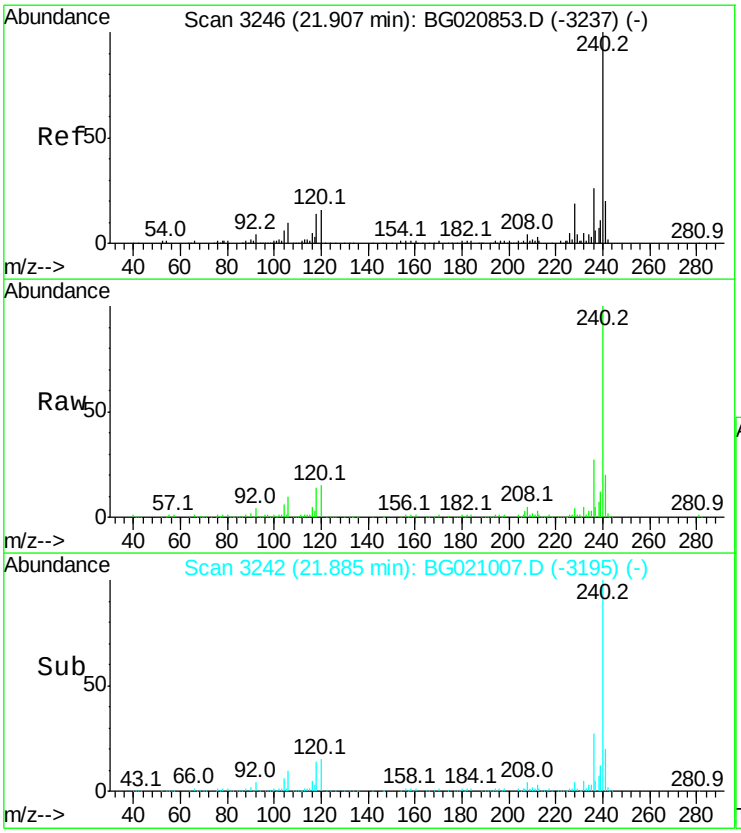
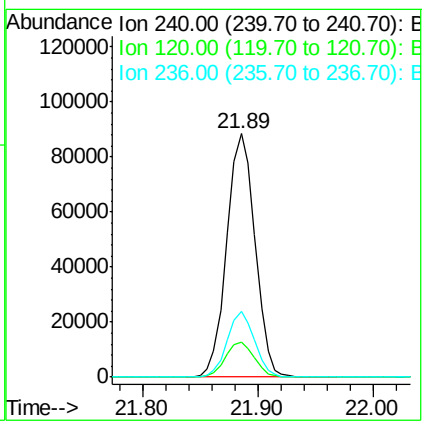
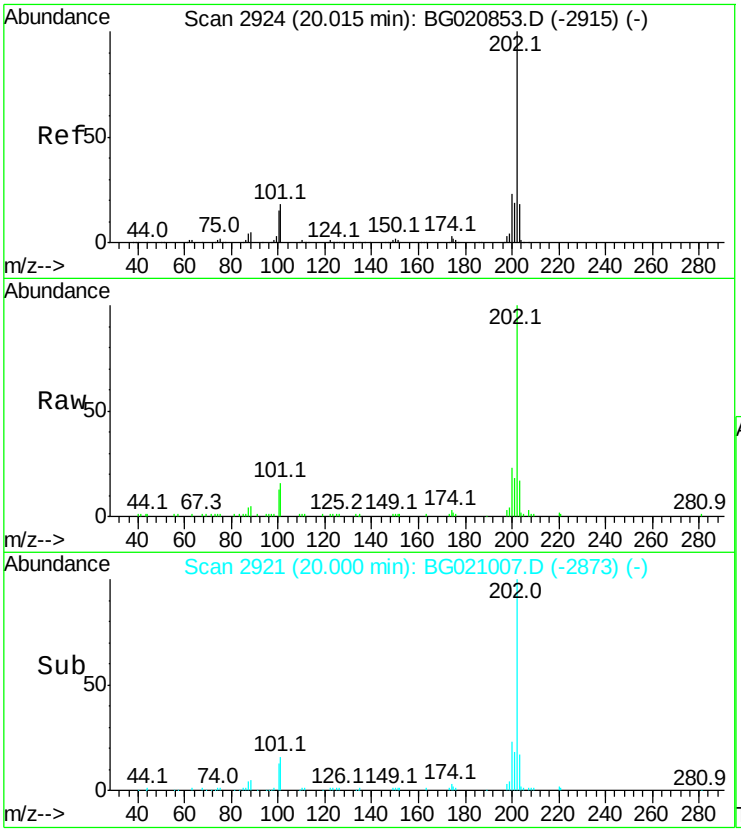


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.89 min Scan# 3242
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:240 Resp: 150310

Ion	Ratio	Lower	Upper
240	100		
120	14.6	13.0	19.4
236	26.7	21.0	31.4

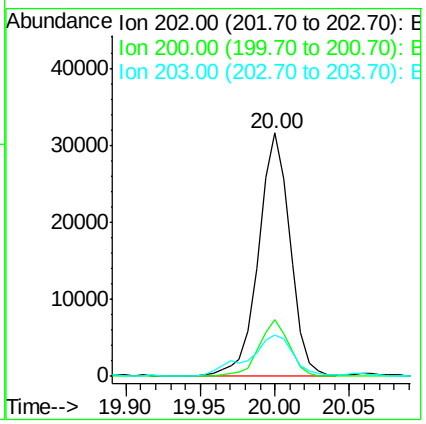




#77
Pyrene
Concen: 4.67 ng
RT: 20.00 min Scan# 2921
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:202 Resp: 46267

Ion	Ratio	Lower	Upper
202	100		
200	23.1	18.5	27.7
203	17.1	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
EGR-A-2

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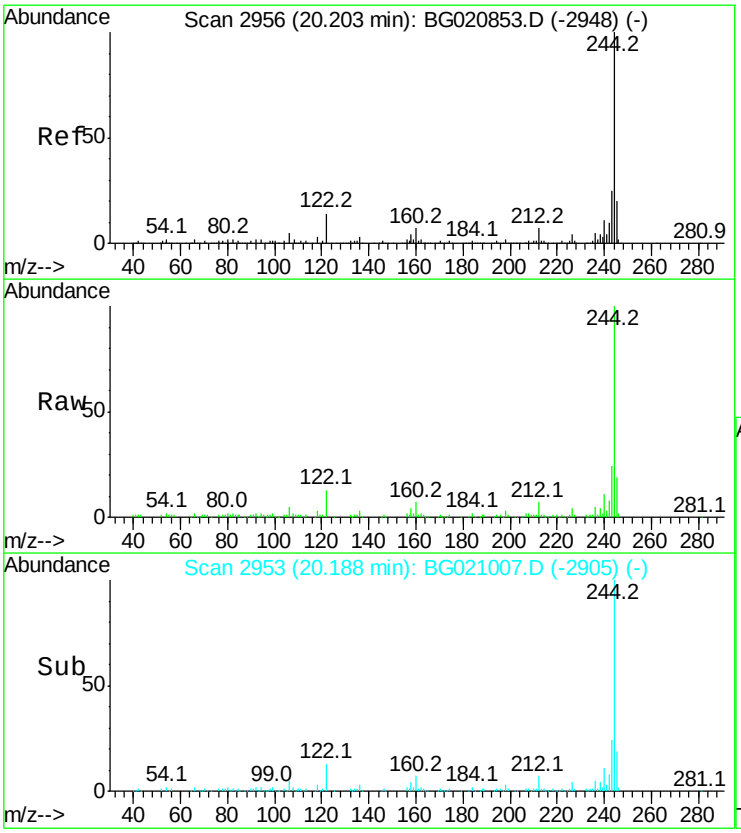
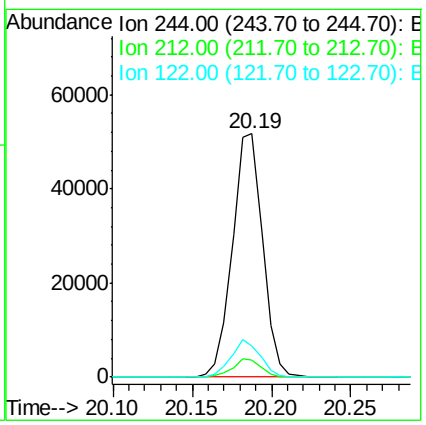
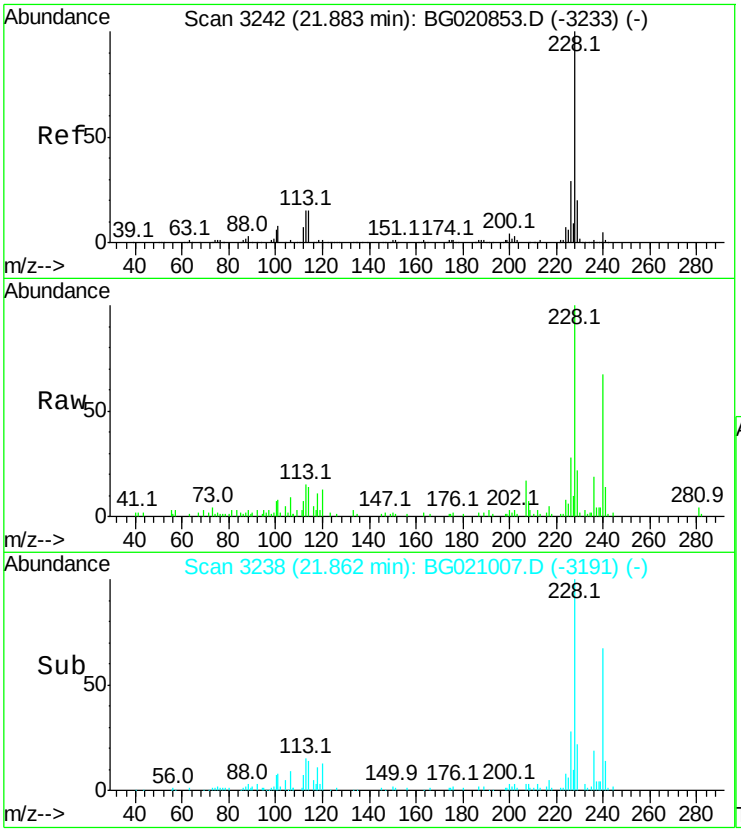


#78
Terphenyl-d14
Concen: 10.59 ng
RT: 20.19 min Scan# 2953
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:244 Resp: 68243

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	13.0	11.4	17.2

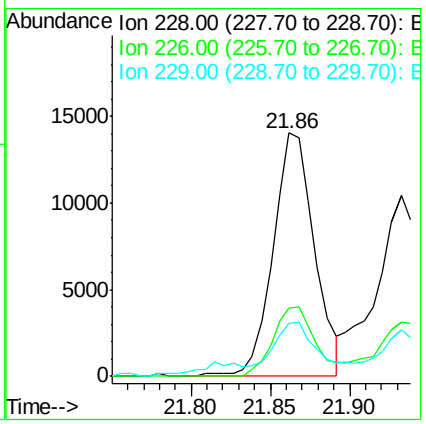




#80
Benzo(a)anthracene
Concen: 2.84 ng
RT: 21.86 min Scan# 3238
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:228 Resp: 25449

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.1	34.7
229	21.6	16.2	24.2



Instrument :
BNA_G
ClientSampleId :
EGR-A-2

Manual Integrations APPROVED
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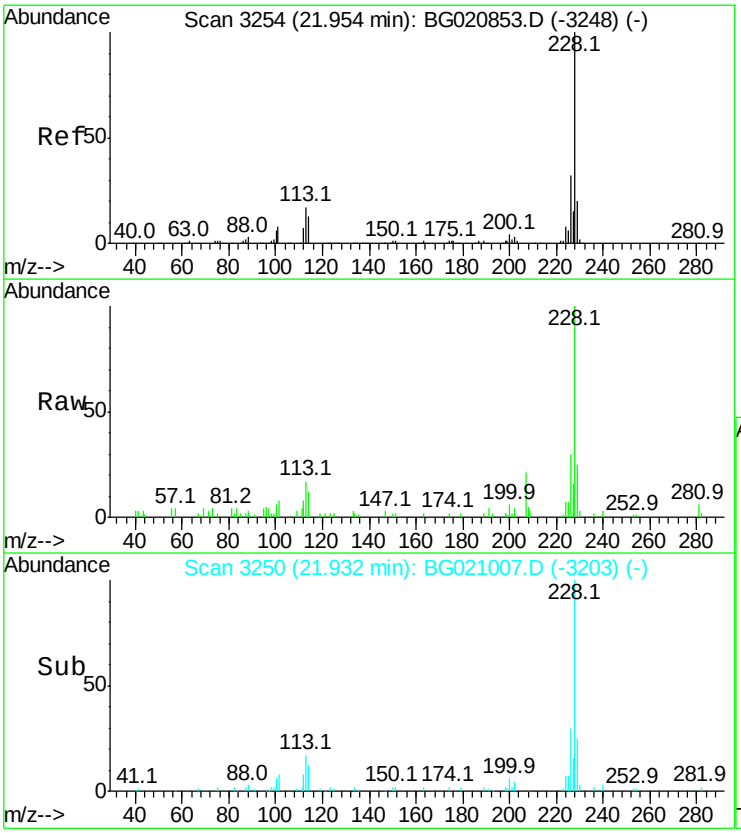
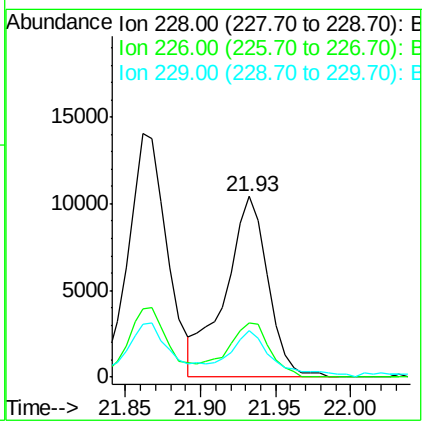
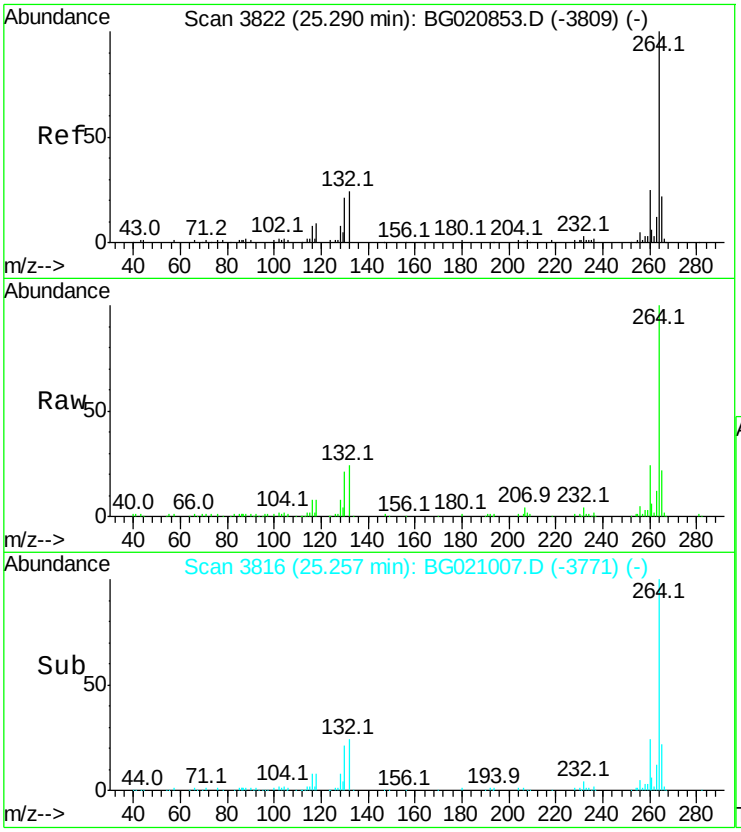


#82
Chrysene
Concen: 2.44 ng m
RT: 21.93 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:228 Resp: 20571

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.3	37.9
229	25.4	16.2	24.2#

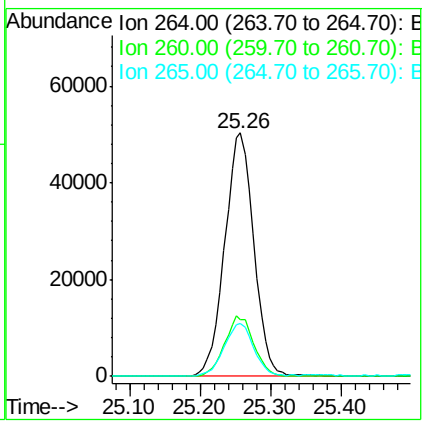




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.26 min Scan# 3816
Delta R.T. -0.03 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:264 Resp: 143824

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.9	29.9
265	21.9	18.0	27.0



Instrument :
BNA_G
ClientSampleId :
EGR-A-2

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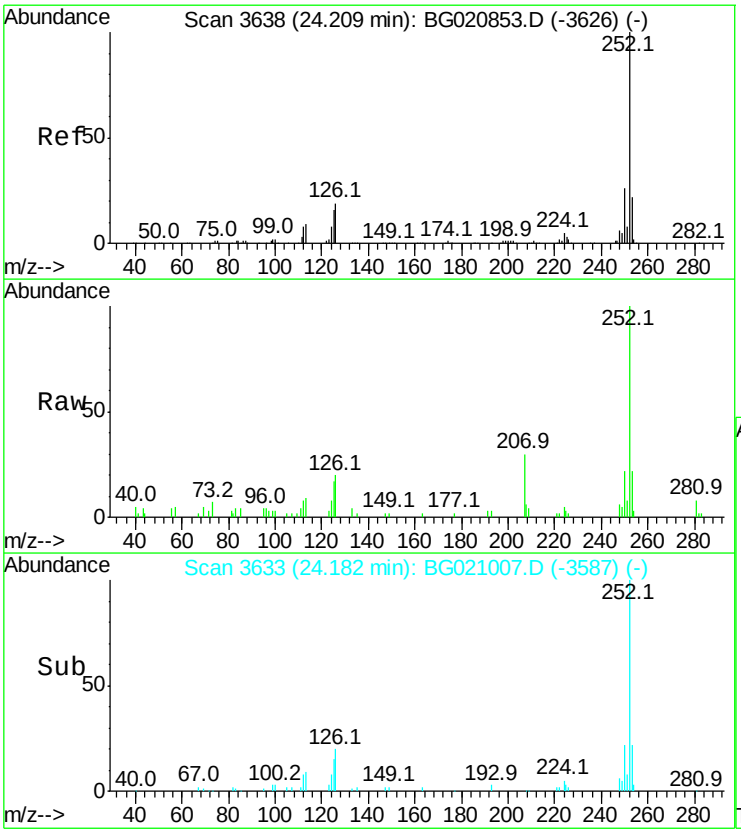
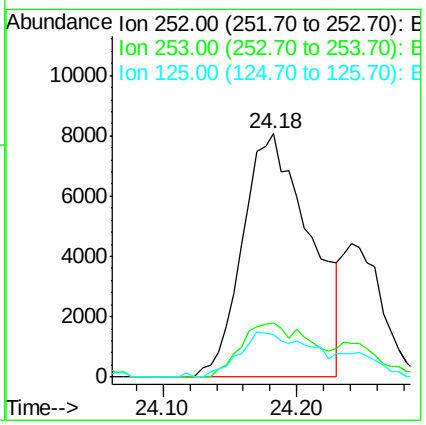
UMANGI
2/22/2016 10:55:53 AM

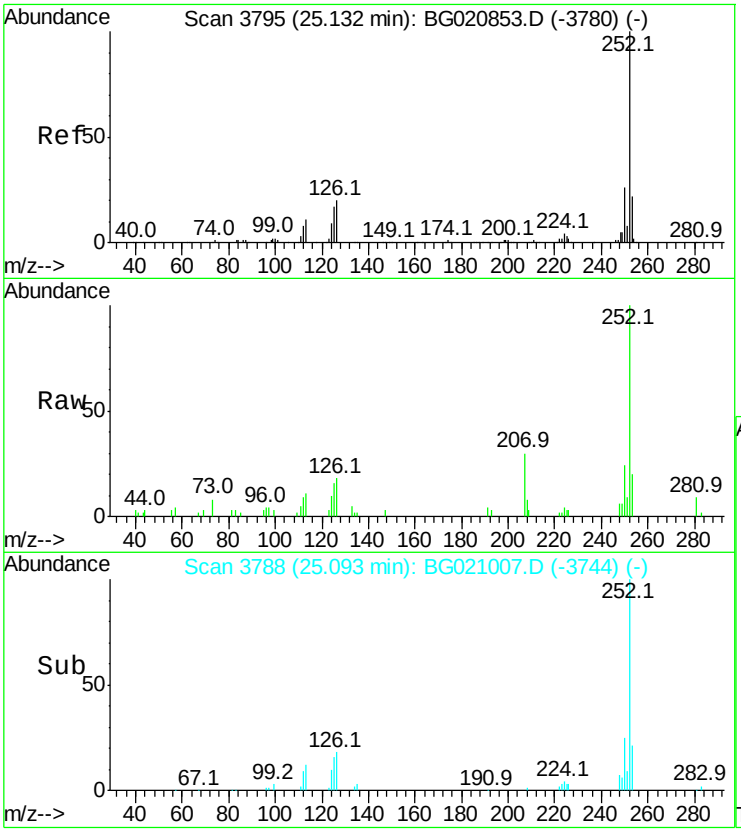


#87
Benzo(b)fluoranthene
Concen: 3.21 ng
RT: 24.18 min Scan# 3633
Delta R.T. -0.03 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:252 Resp: 28263

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	17.5	12.5	18.7

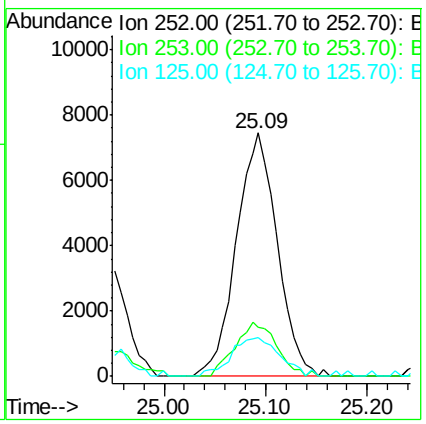




#89
Benzo(a)pyrene
Concen: 2.49 ng
RT: 25.09 min Scan# 3788
Delta R.T. -0.04 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:252 Resp: 20910

Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.4	26.2
125	15.8	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
EGR-A-2

Manual Integrations APPROVED
UMANGI
2/22/2016 10:55:53 AM