Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022442.D
Acq On : 19 Jun 2016 3:18
Operator : UM/SJ
Sample : H3489-01
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jun 20 14:09:03 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	40293	20.00	ng		-0.04
21) Naphthalene-d8	10.87	136	191309	20.00	ng		-0.04
38) Acenaphthene-d10	14.69	164	97477	20.00	ng		-0.04
63) Phenanthrene-d10	17.43	188	166072	20.00	ng		-0.04
75) Chrysene-d12	21.70	240	134564	20.00	ng		-0.04
86) Perylene-d12	24.95	264	103546	20.00	ng		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.61	112	354076	169.90	ng		-0.02
7) Phenol-d6	7.24	99	521040	159.02	ng		-0.01
23) Nitrobenzene-d5	9.22	82	293753	107.05	ng		-0.04
41) 2,4,6-Tribromophenol	16.18	330	130222	118.23	ng		-0.04
44) 2-Fluorobiphenyl	13.31	172	654755	102.36	ng		-0.04
78) Terphenyl-d14	20.03	244	511990	90.33	ng		-0.03
Target Compounds							Qvalue
49) Dimethylphthalate	14.13	163	97034	12.01	ng		100
70) Phenanthrene	17.47	178	57992	6.43	ng		98
74) Fluoranthene	19.48	202	76494	7.38	ng		97
77) Pyrene	19.84	202	78146	9.34	ng		98
80) Benzo(a)anthracene	21.68	228	31593	4.19	ng	#	91
82) Chrysene	21.74	228	25467	3.47	ng	#	94
87) Benzo(b)fluoranthene	23.92	252	20352	3.37	ng	#	65
88) Benzo(k)fluoranthene	23.96	252	13016m	2.19	ng		
89) Benzo(a)pyrene	24.81	252	15311	2.65	ng	#	59

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

Quantitation Report (LSC Reviewed)

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Acq On : 19 Jun 2016 3:18
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BNA_G
ClientSampleId :
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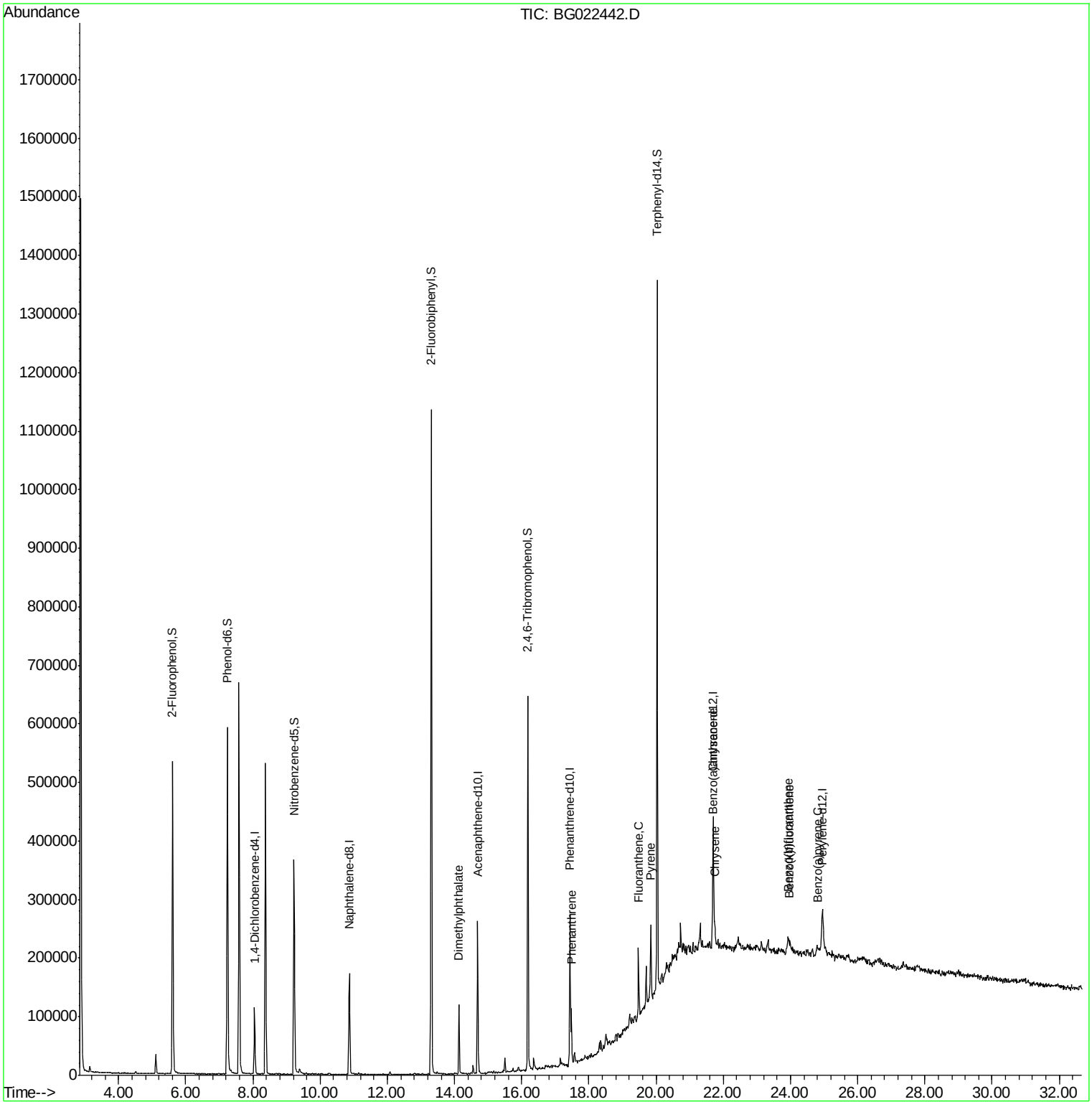
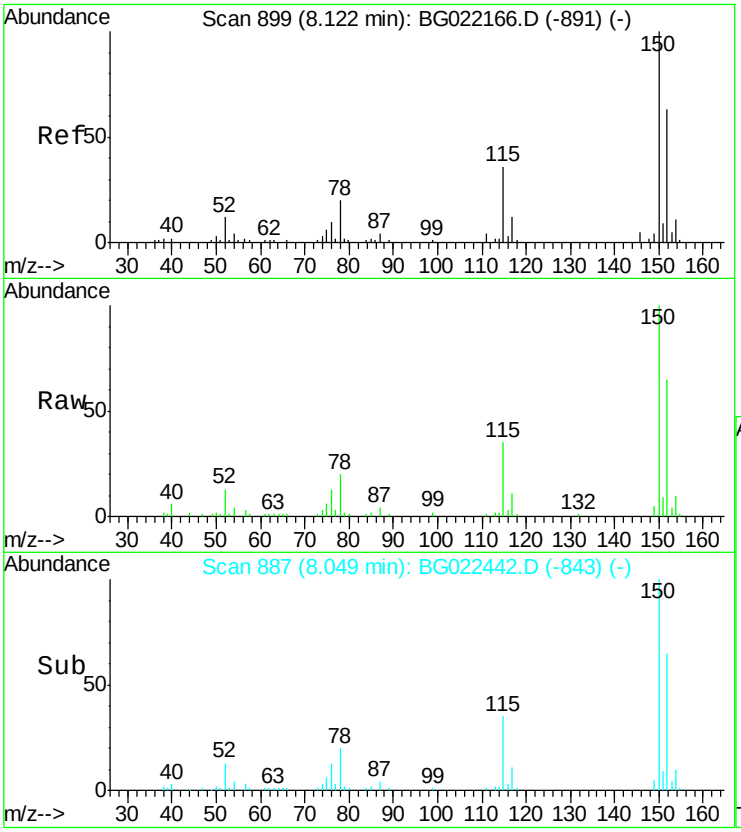
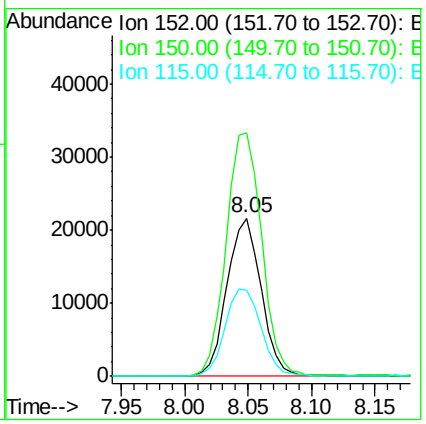




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 887
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:152 Resp: 40293

Ion	Ratio	Lower	Upper
152	100		
150	154.2	130.1	195.1
115	54.7	62.2	93.2#



Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

Manual Integrations APPROVED
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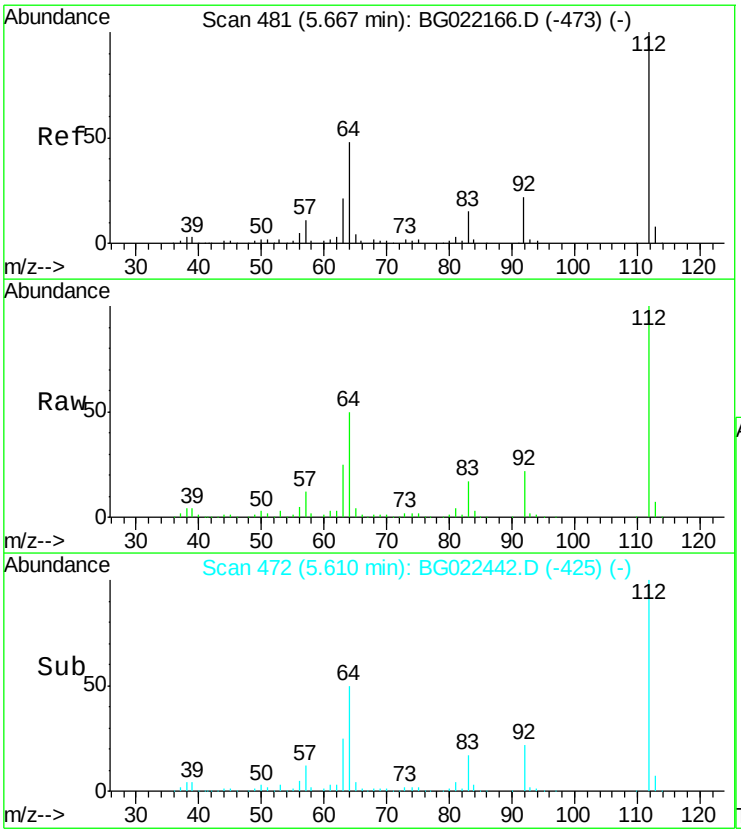
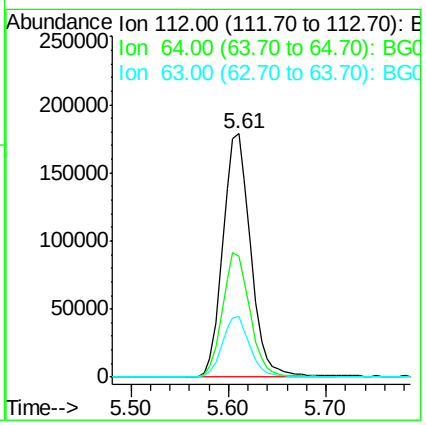
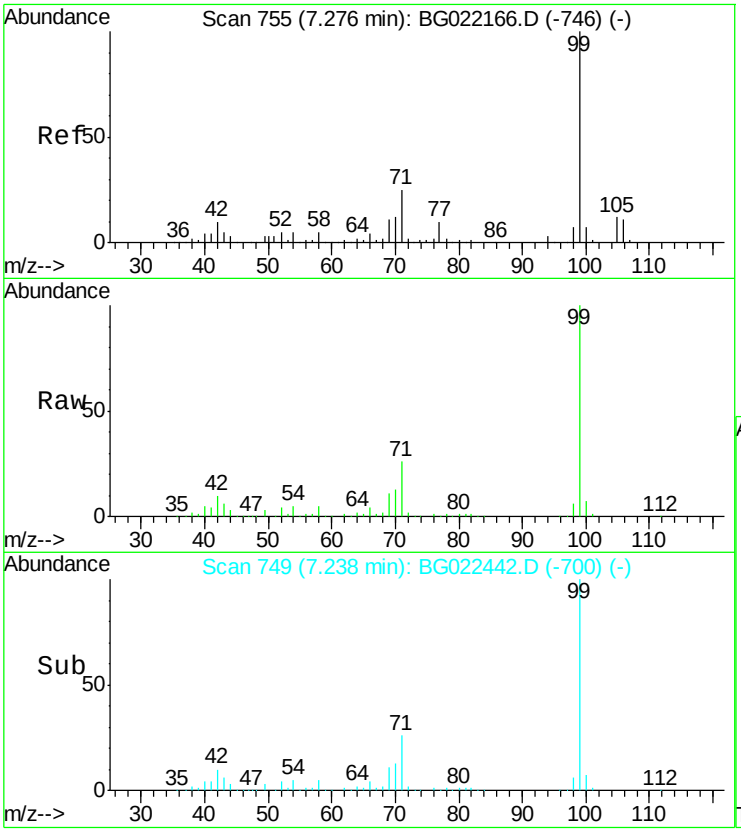


#5
2-Fluorophenol
Concen: 169.90 ng
RT: 5.61 min Scan# 472
Delta R.T. -0.02 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:112 Resp: 354076

Ion	Ratio	Lower	Upper
112	100		
64	49.8	51.1	76.7#
63	24.7	24.6	37.0





#7
Phenol-d6
Concen: 159.02 ng
RT: 7.24 min Scan# 749
Delta R.T. -0.01 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion: 99 Resp: 521040

Ion	Ratio	Lower	Upper
99	100		
42	10.5	16.4	24.6#
71	25.9	25.0	37.4

Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

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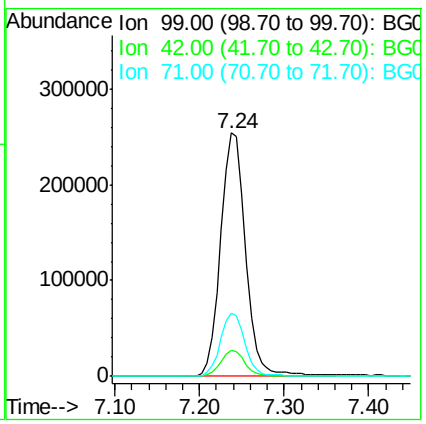
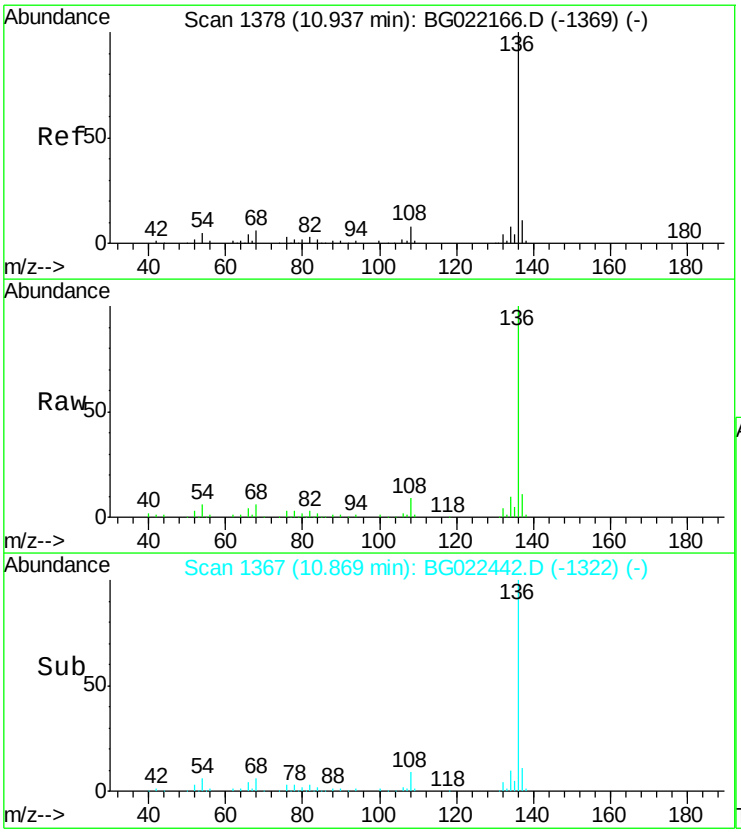
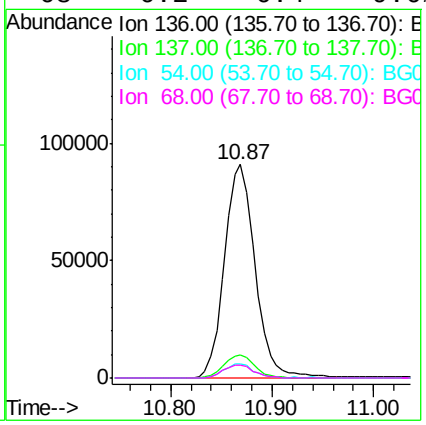


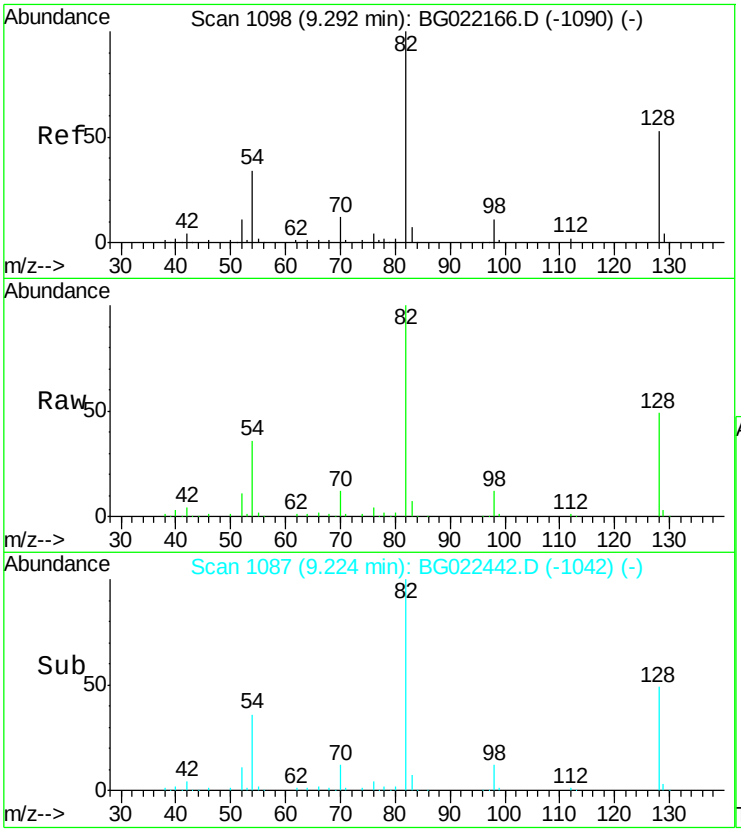


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1367
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:136 Resp: 191309

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.5	9.6	14.4#
68	6.2	6.4	9.6#

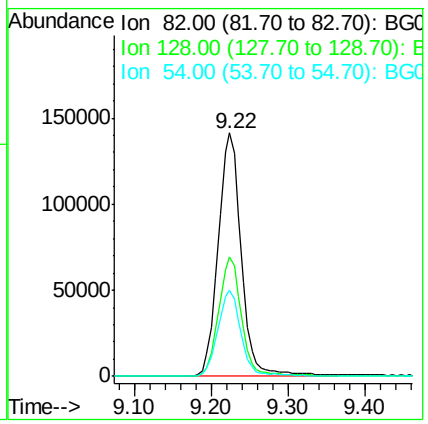




#23
Nitrobenzene-d5
Concen: 107.05 ng
RT: 9.22 min Scan# 1087
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion: 82 Resp: 293753

Ion	Ratio	Lower	Upper
82	100		
128	49.2	33.4	50.0
54	35.6	46.1	69.1#



Instrument :
BNA_G
ClientSampleId :
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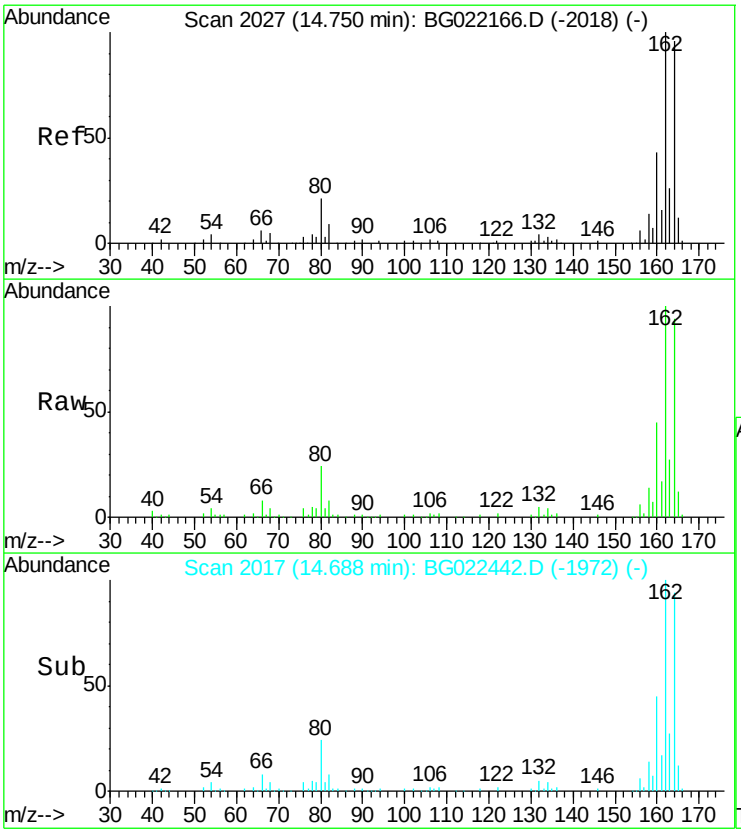
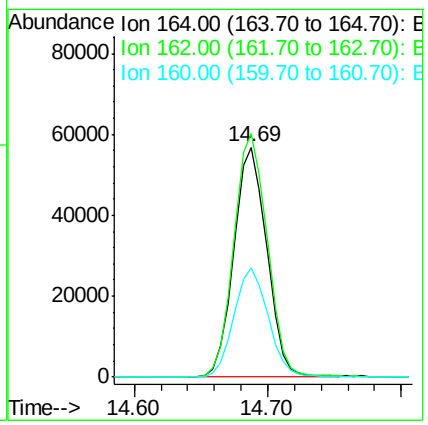
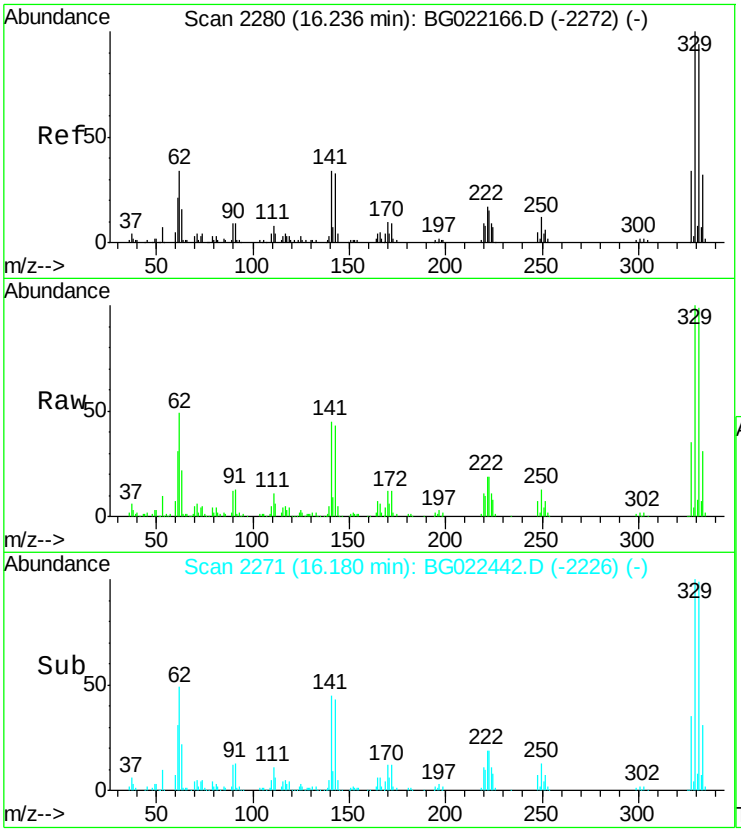


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 2017
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:164 Resp: 97477

Ion	Ratio	Lower	Upper
164	100		
162	106.0	78.0	117.0
160	47.6	32.9	49.3

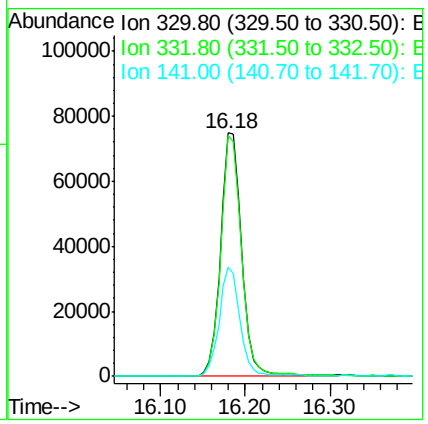




#41
2,4,6-Tribromophenol
Concen: 118.23 ng
RT: 16.18 min Scan# 2271
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:330 Resp: 130222

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	44.1	33.8	50.8



Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

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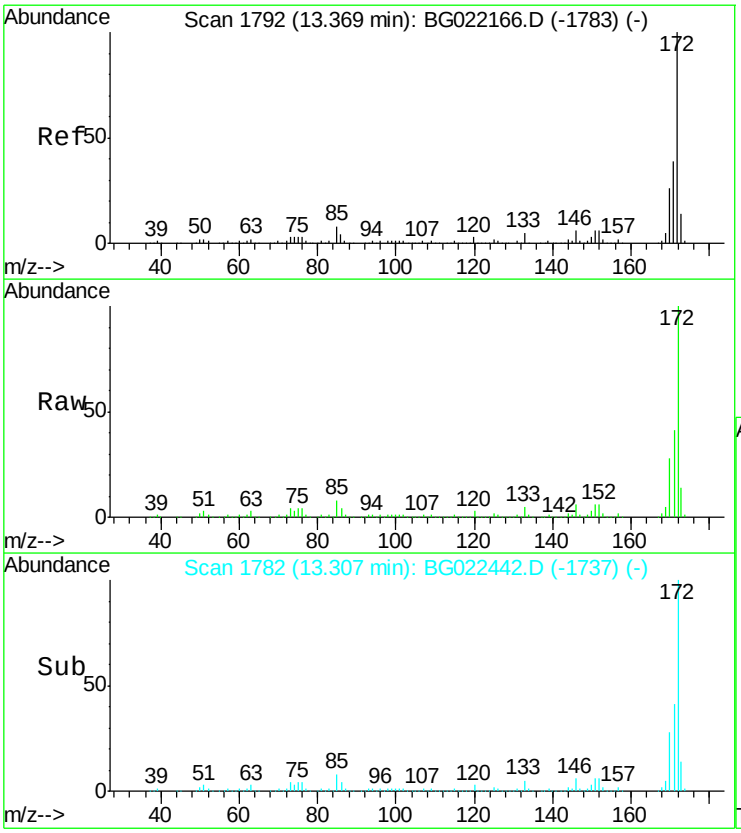
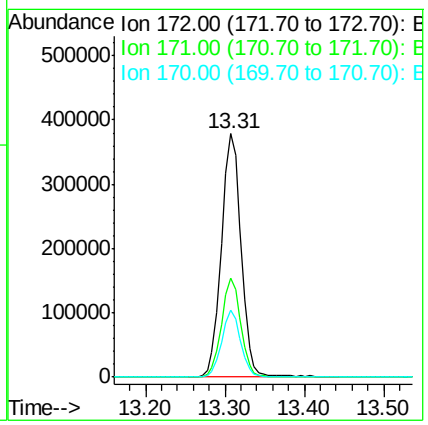
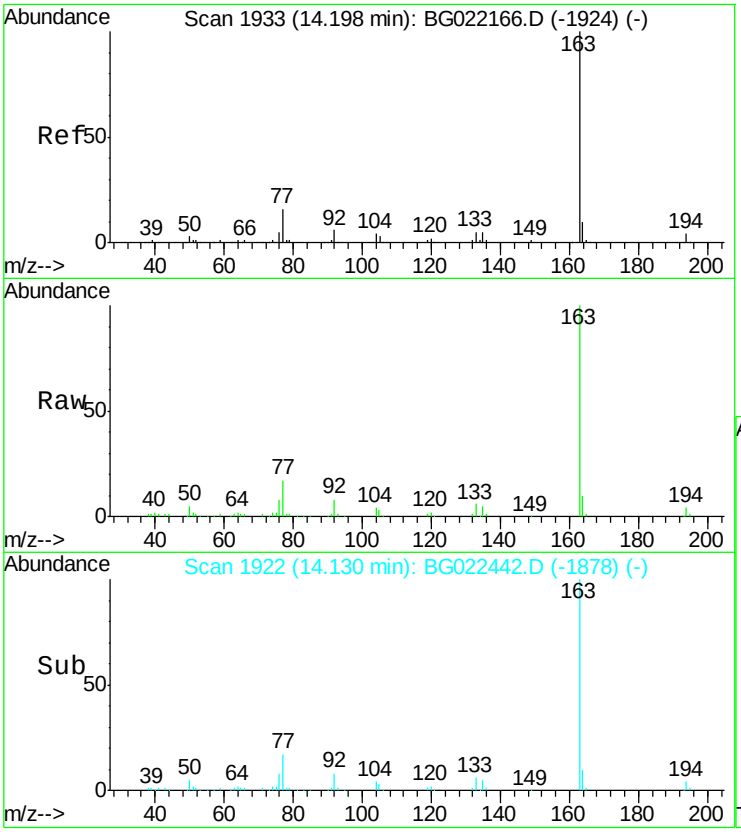


#44
2-Fluorobiphenyl
Concen: 102.36 ng
RT: 13.31 min Scan# 1782
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:172 Resp: 654755

Ion	Ratio	Lower	Upper
172	100		
171	40.8	27.8	41.6
170	27.6	19.6	29.4

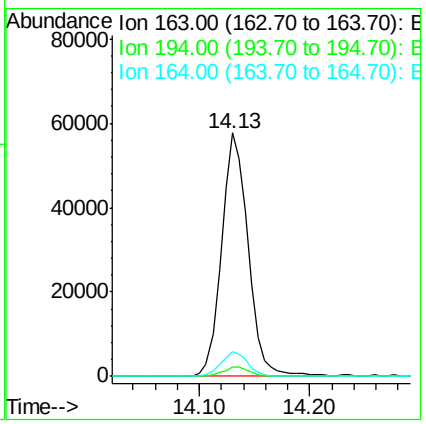




#49
Dimethylphthalate
Concen: 12.01 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:163 Resp: 97034

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.1	12.1



Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

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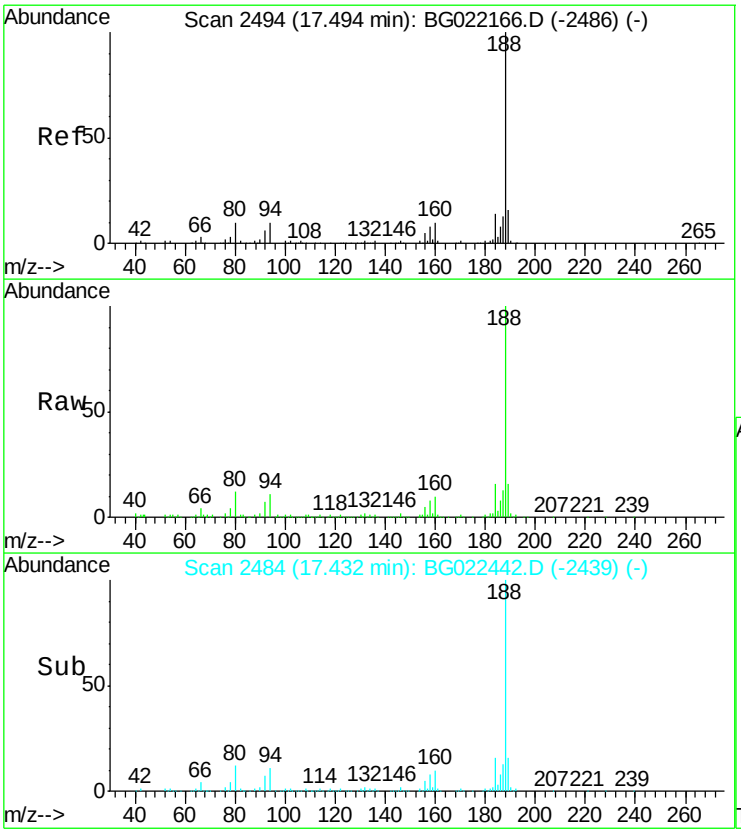
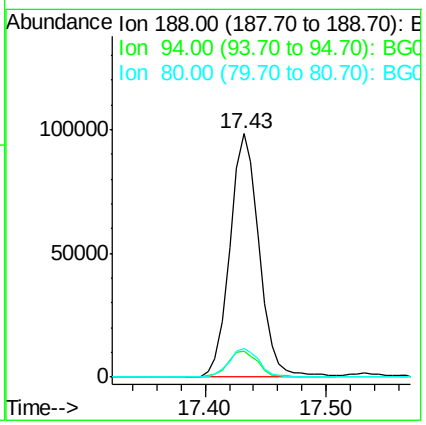
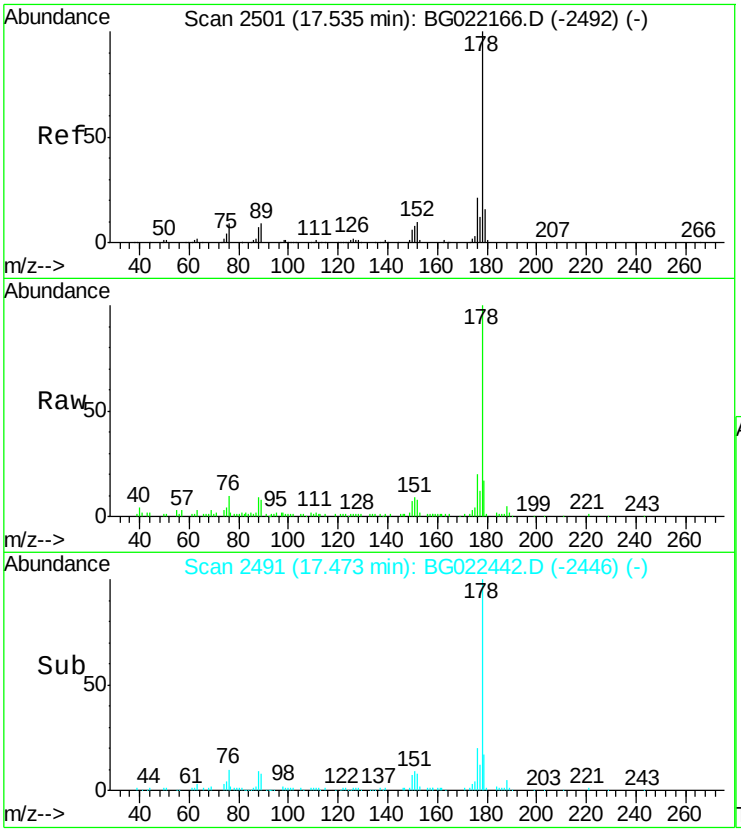


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2484
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:188 Resp: 166072

Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.5	11.3
80	11.8	8.6	13.0

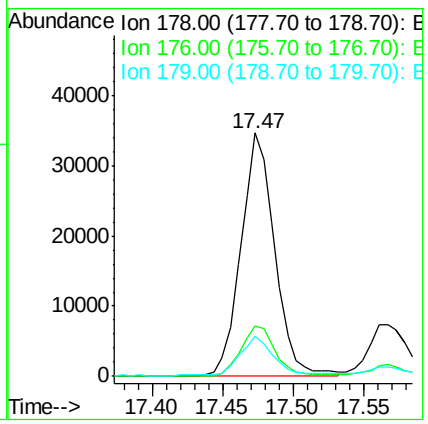




#70
Phenanthrene
Concen: 6.43 ng
RT: 17.47 min Scan# 2491
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:178 Resp: 57992

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	16.5	12.0	18.0



Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

Manual Integrations APPROVED
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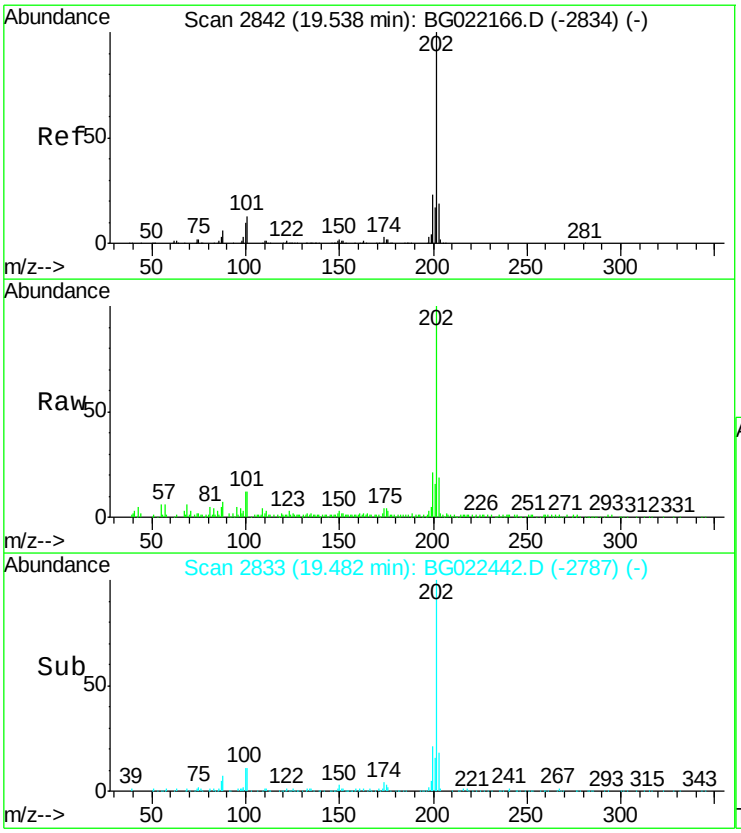
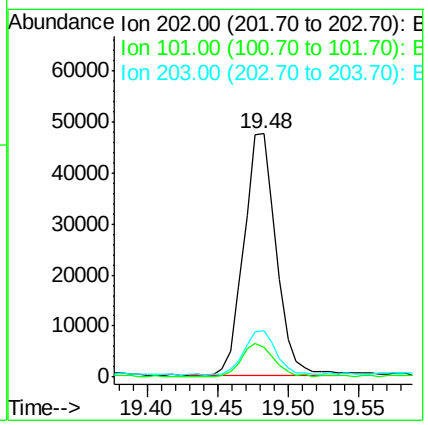
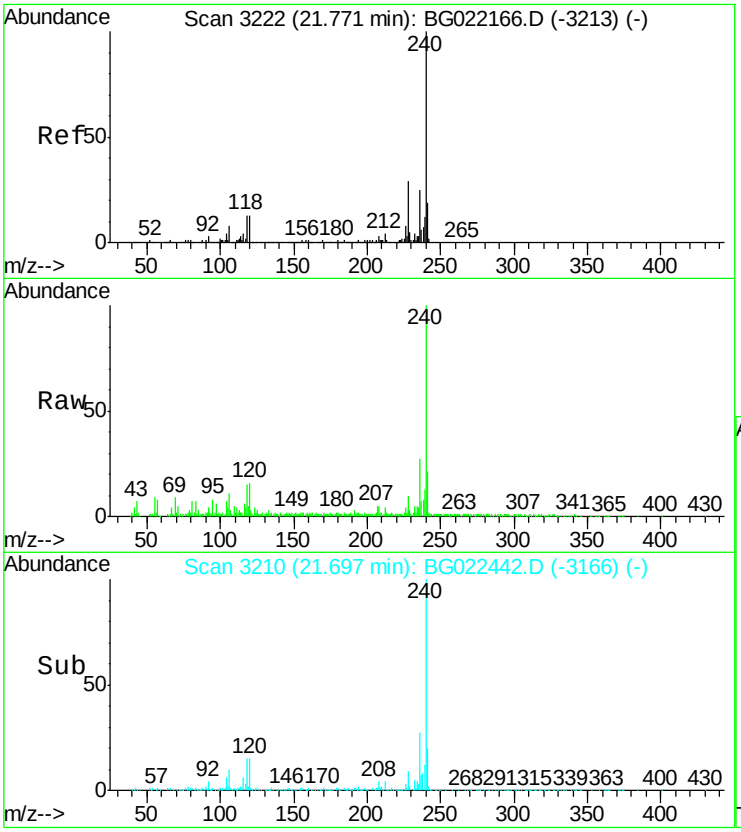


#74
Fluoranthene
Concen: 7.38 ng
RT: 19.48 min Scan# 2833
Delta R.T. -0.03 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:202 Resp: 76494

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.0
203	19.0	0.0	37.9





#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.70 min Scan# 3210
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:240 Resp: 134564

Ion	Ratio	Lower	Upper
240	100		
120	16.0	8.4	12.6#
236	27.0	19.6	29.4

Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

Manual Integrations APPROVED
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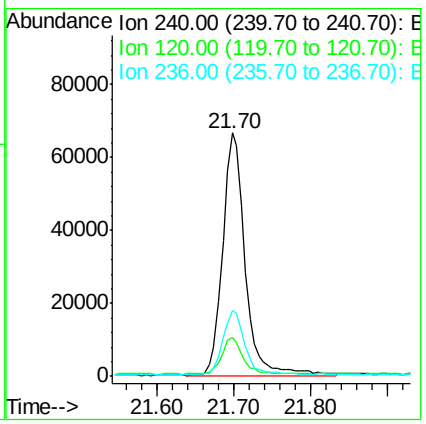
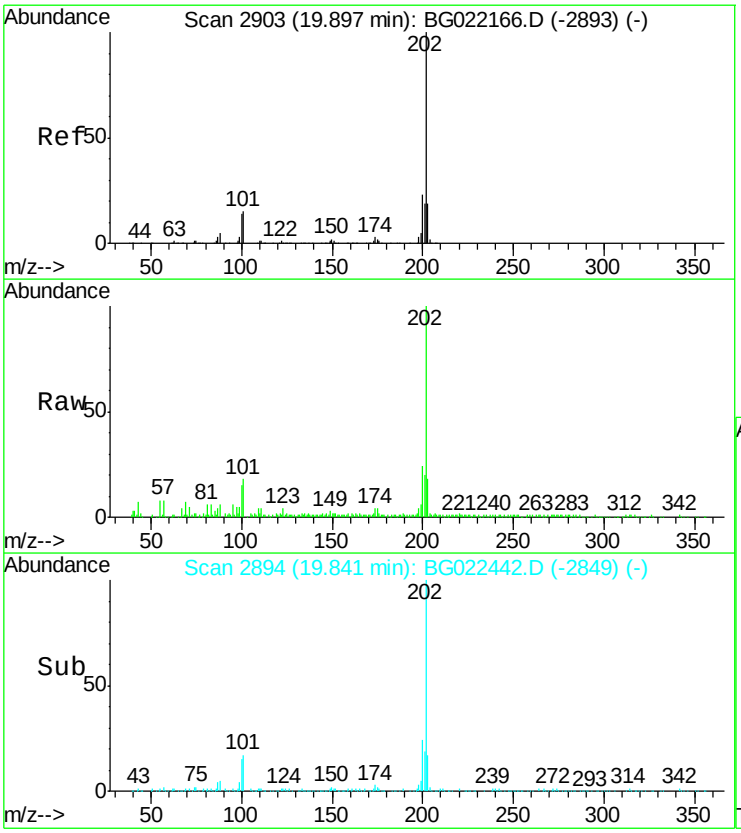
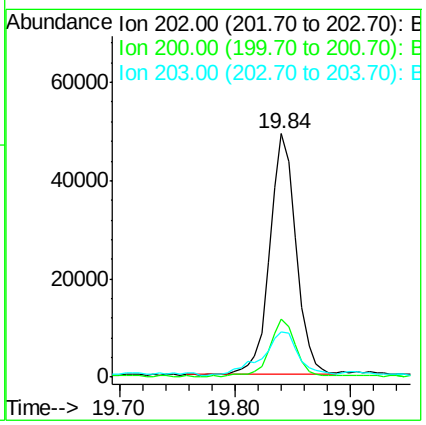


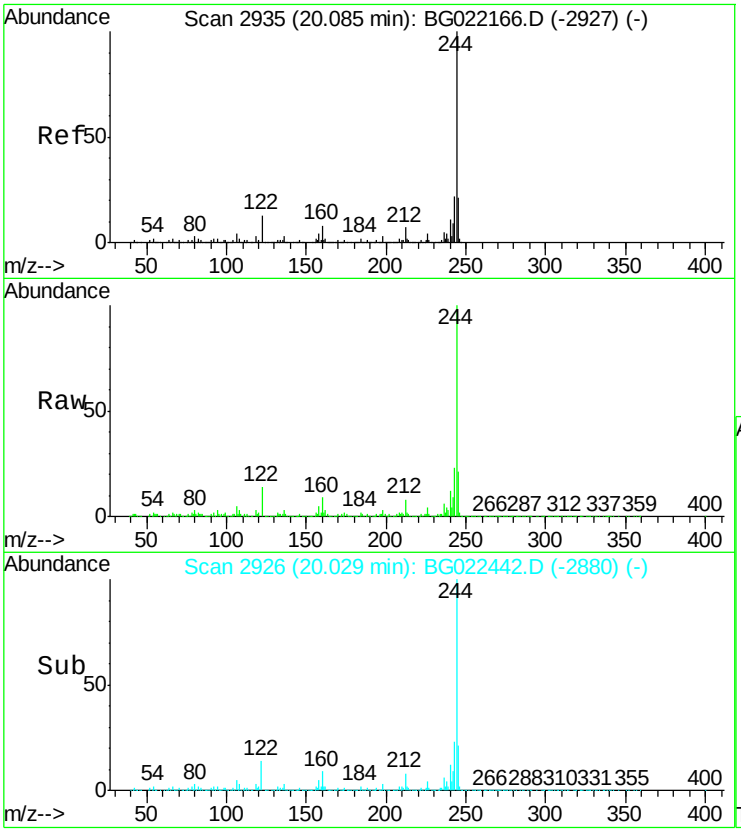


#77
Pyrene
Concen: 9.34 ng
RT: 19.84 min Scan# 2894
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:202 Resp: 78146

Ion	Ratio	Lower	Upper
202	100		
200	23.9	18.2	27.2
203	18.4	15.0	22.4

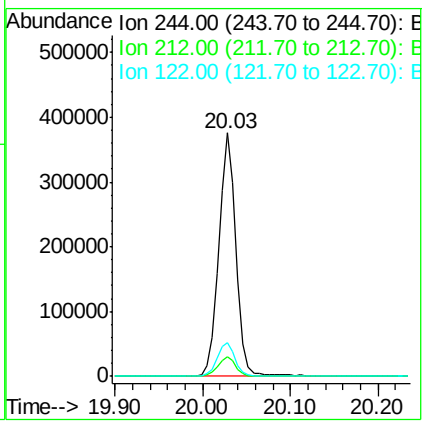




#78
Terphenyl-d14
Concen: 90.33 ng
RT: 20.03 min Scan# 2926
Delta R.T. -0.03 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:244 Resp: 511990

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	13.6	8.6	12.8#



Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

Manual Integrations APPROVED
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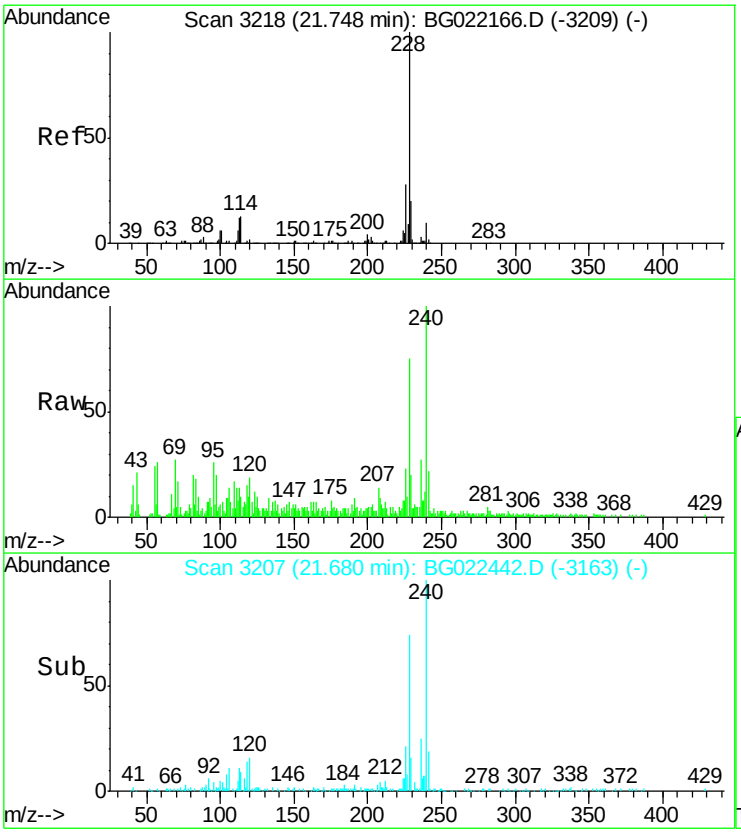
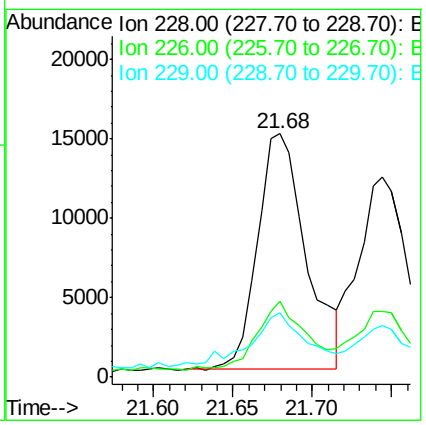
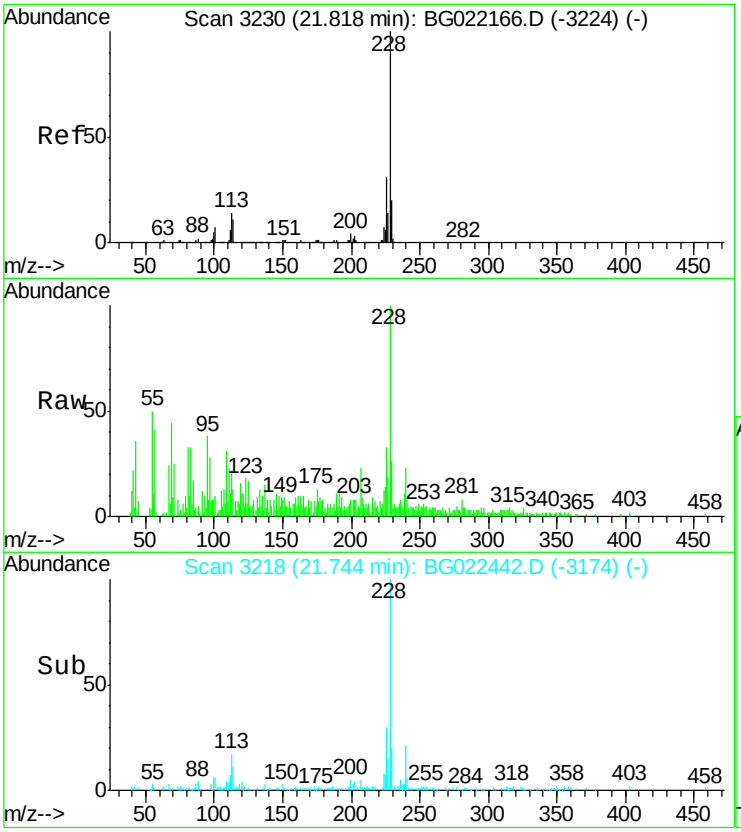


#80
Benzo(a)anthracene
Concen: 4.19 ng
RT: 21.68 min Scan# 3207
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:228 Resp: 31593

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	34.0
229	26.3	16.1	24.1#





#82
Chrysene
Concen: 3.47 ng
RT: 21.74 min Scan# 3218
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:228 Resp: 25467

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.4	38.0
229	26.0	15.9	23.9#

Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

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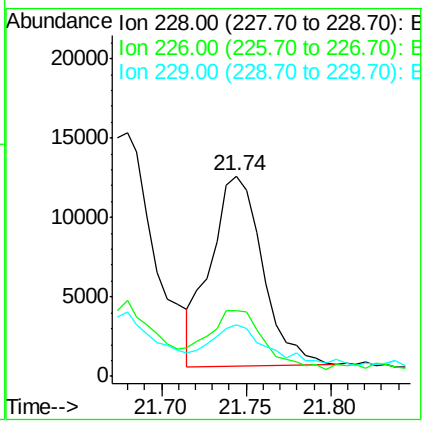
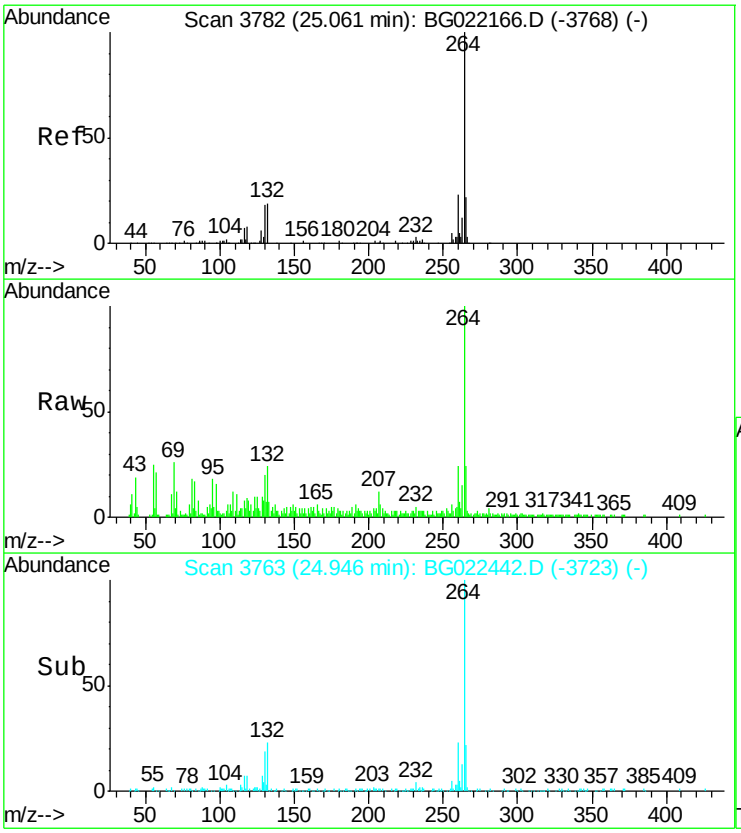
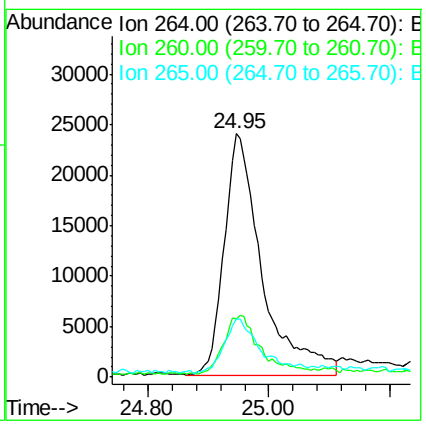


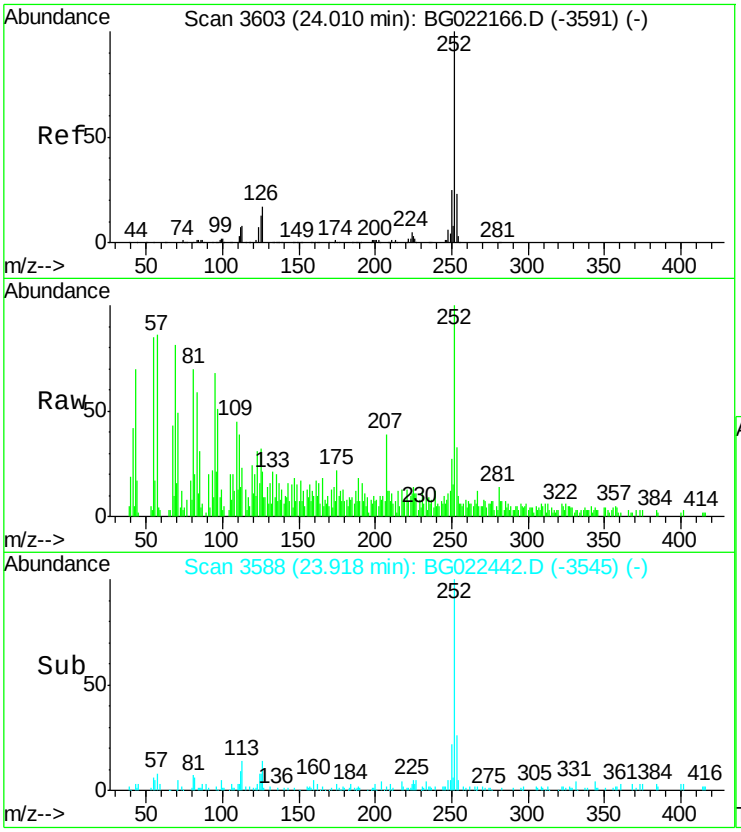


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.95 min Scan# 3763
Delta R.T. -0.07 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:264 Resp: 103546

Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.2	30.4
265	23.6	17.8	26.8





#87
Benzo(b)fluoranthene
Concen: 3.37 ng
RT: 23.92 min Scan# 3588
Delta R.T. -0.05 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:252 Resp: 20352

Ion	Ratio	Lower	Upper
252	100		
253	33.5	17.5	26.3#
125	32.1	8.6	13.0#

Instrument :
BNA_G
ClientSampleId :
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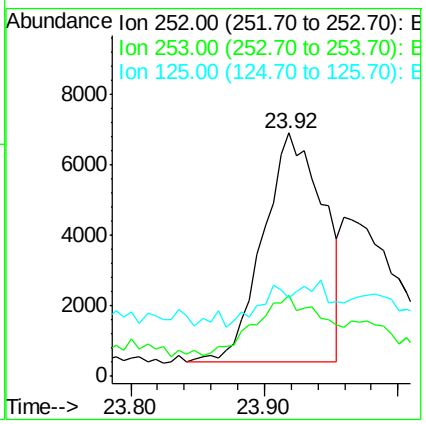
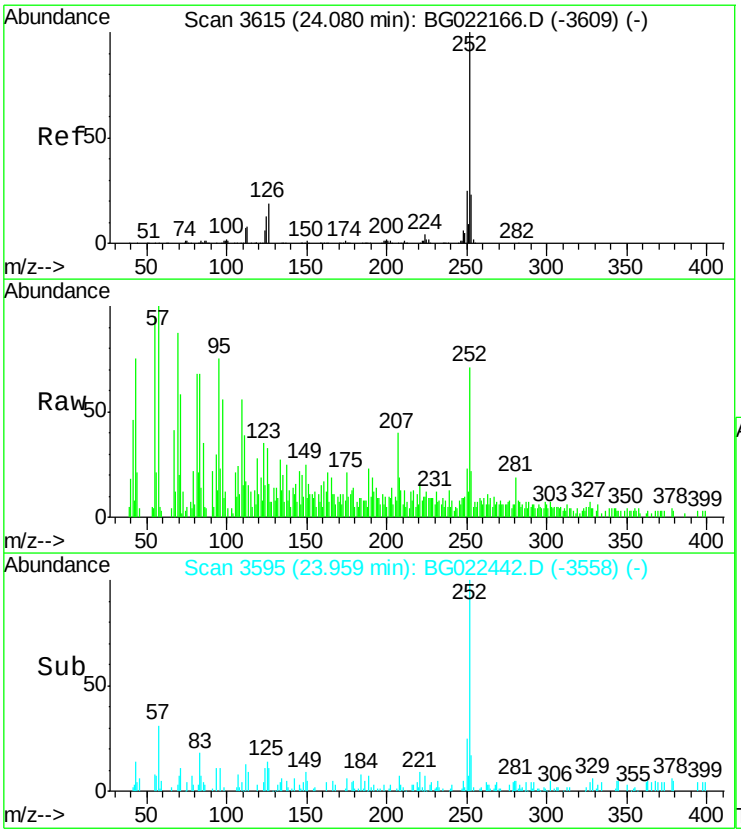
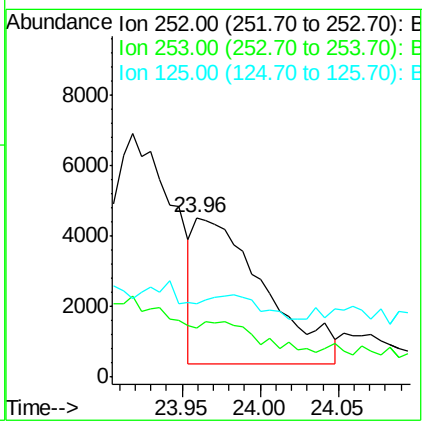


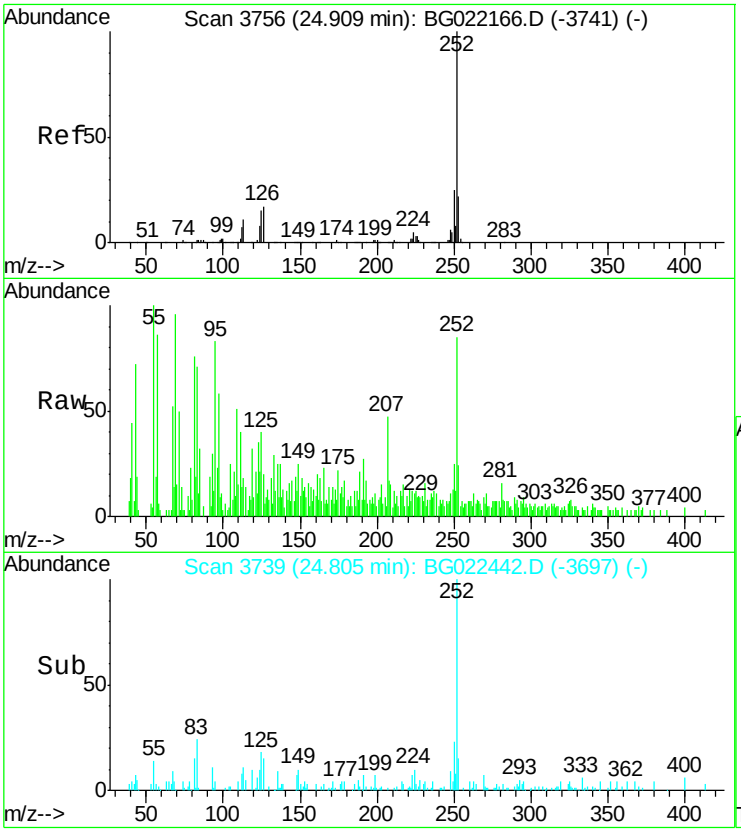


#88
Benzo(k)fluoranthene
Concen: 2.19 ng m
RT: 23.96 min Scan# 3595
Delta R.T. -0.08 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:252 Resp: 13016

Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.8	26.8#
125	46.2	8.3	12.5#

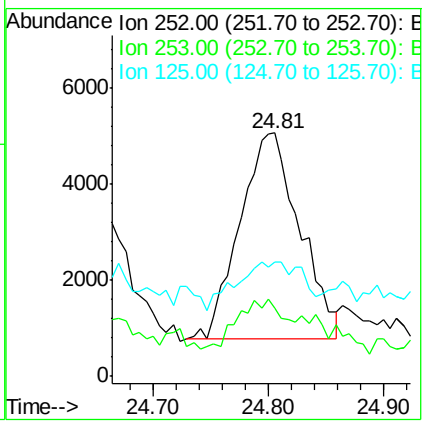




#89
Benzo(a)pyrene
Concen: 2.65 ng
RT: 24.81 min Scan# 3739
Delta R.T. -0.05 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:252 Resp: 15311

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.1	25.7#
125	46.9	9.6	14.4#



Instrument :
BNA_G
ClientSampleId :
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