Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072916\
Data File : BG023327.D
Acq On : 29 Jul 2016 5:45
Operator : UM/SJ
Sample : H4213-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : L-1

Quant Time: Jul 29 07:52:53 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:30:33 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	166000	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	731203	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	522813	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1216723	20.00	ng	0.00
75) Chrysene-d12	21.89	240	1246195	20.00	ng	0.00
86) Perylene-d12	25.30	264	1270163	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1222751	125.75	ng	0.00
7) Phenol-d6	7.29	99	1670986	111.93	ng	0.00
23) Nitrobenzene-d5	9.31	82	1283623	85.85	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	878907	162.42	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2612306	93.52	ng	0.00
78) Terphenyl-d14	20.18	244	3261524	85.08	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.02	128	139040	4.09	ng	97
76) Benzidine	19.81	184	265118	7.56	ng	96

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

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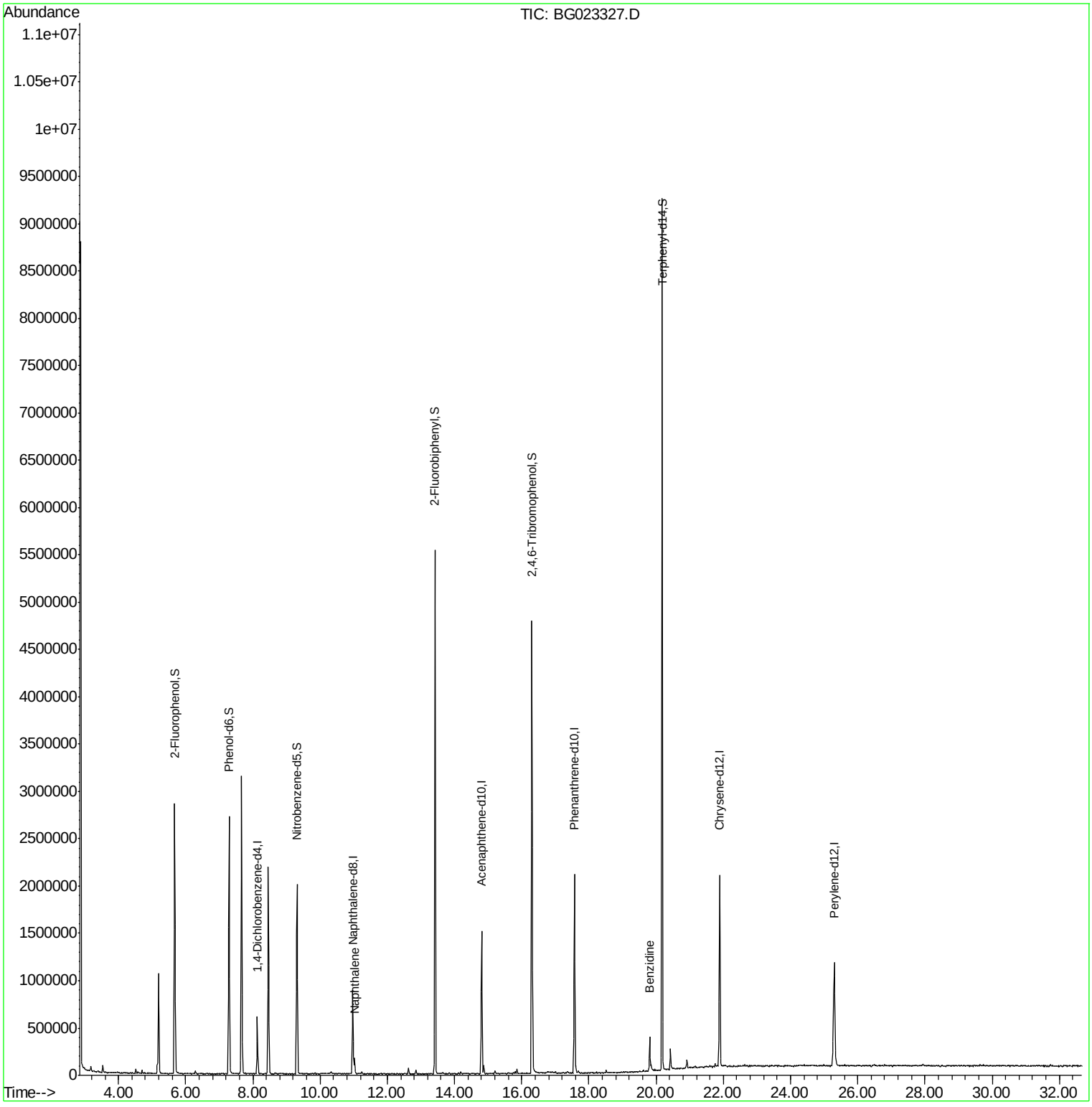
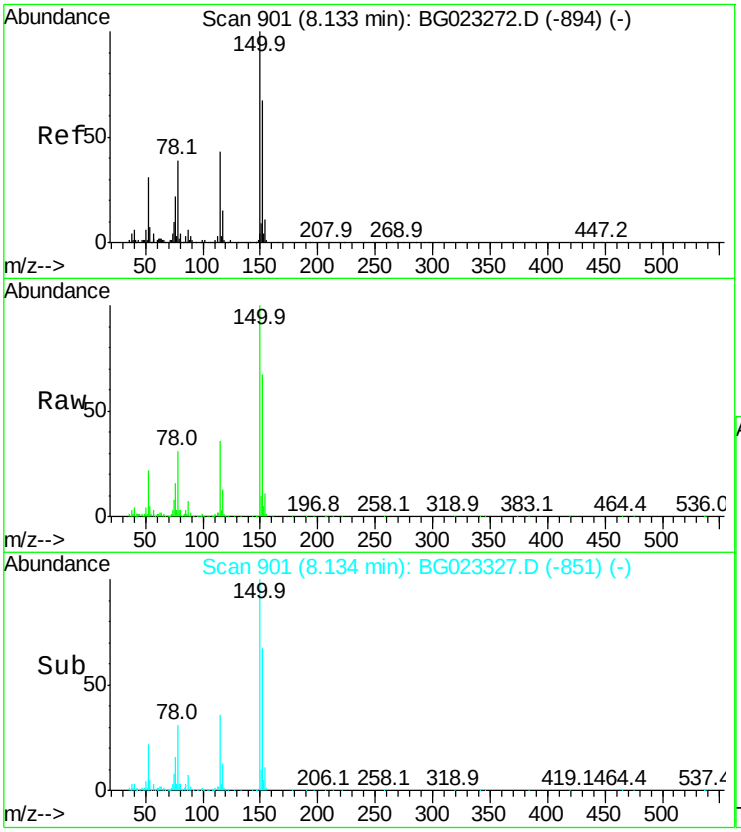


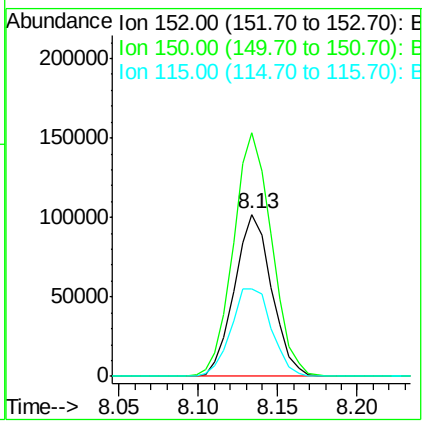


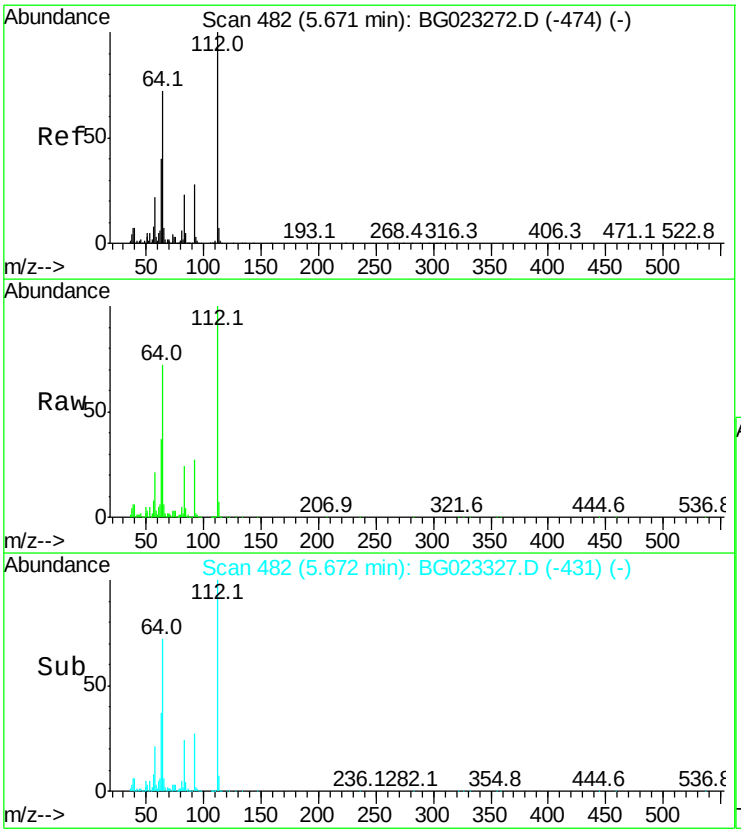
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.13 min Scan# 901
Delta R.T. -0.01 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Instrument :
BNA_G
ClientSampleId :
L-1

Tgt Ion:152 Resp: 166000

Ion	Ratio	Lower	Upper
152	100		
150	150.2	144.7	217.1
115	53.6	64.0	96.0#

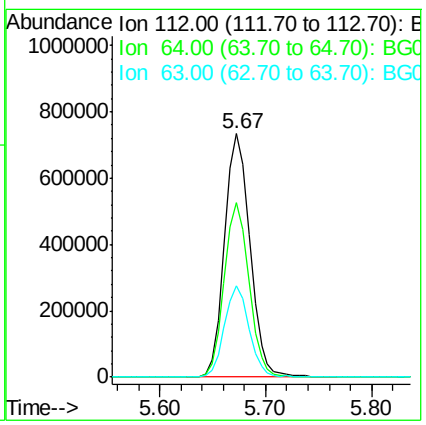


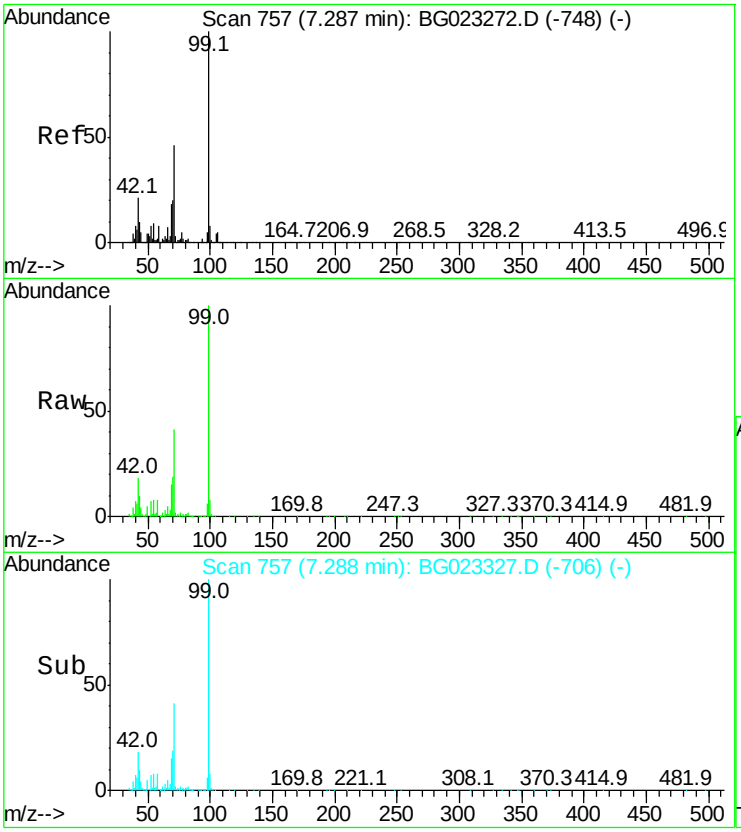


#5
2-Fluorophenol
Concen: 125.75 ng
RT: 5.67 min Scan# 482
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Tgt Ion:112 Resp: 1222751

Ion	Ratio	Lower	Upper
112	100		
64	71.7	59.0	88.4
63	37.4	37.8	56.8#



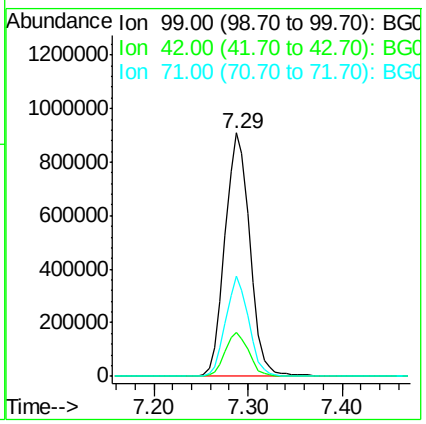


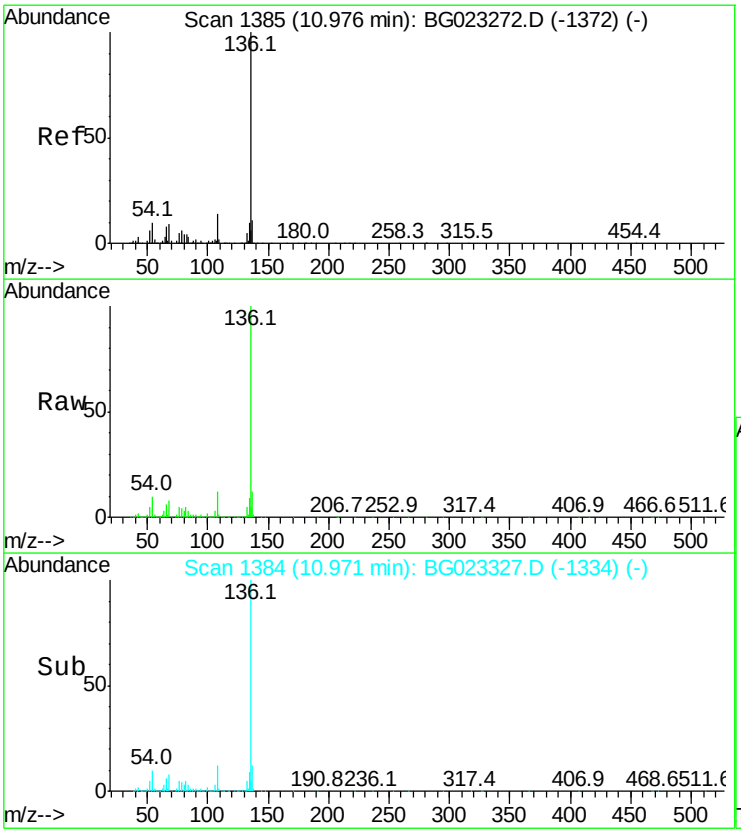
#7
Phenol-d6
Concen: 111.93 ng
RT: 7.29 min Scan# 757
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Instrument :
BNA_G
ClientSampleId :
L-1

Tgt Ion: 99 Resp: 1670986

Ion	Ratio	Lower	Upper
99	100		
42	18.1	17.8	26.6
71	41.0	41.5	62.3#

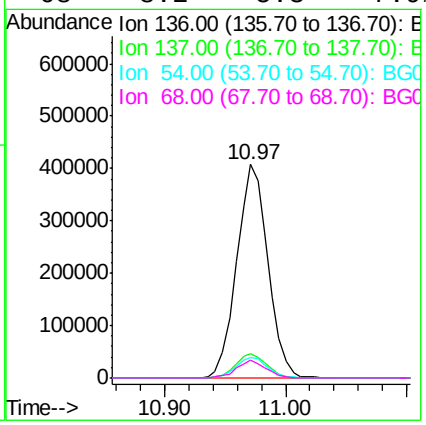


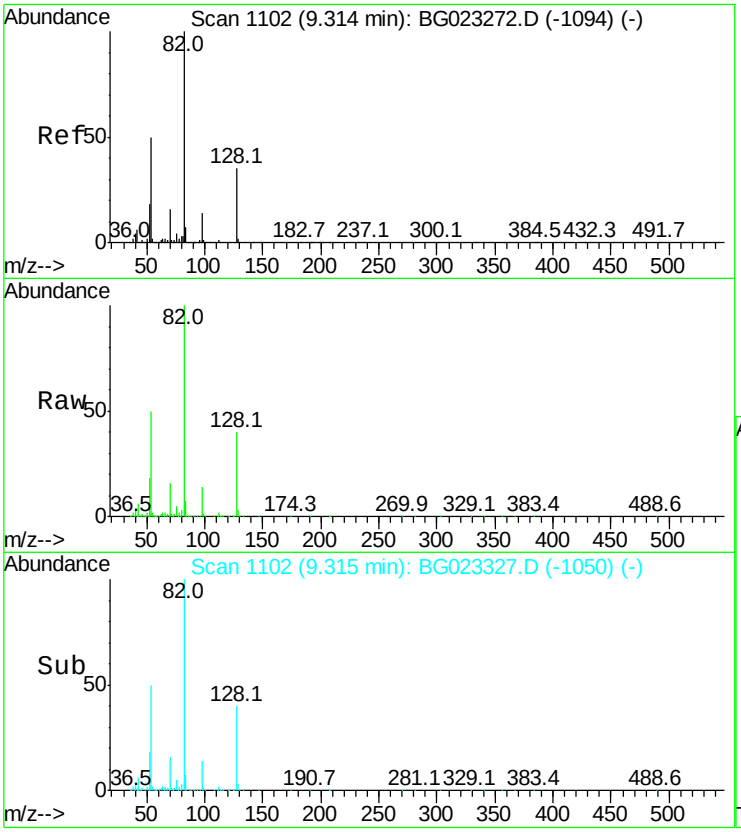


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.97 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Tgt Ion:136 Resp: 731203

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	9.6	7.3	10.9
68	8.2	5.3	7.9#



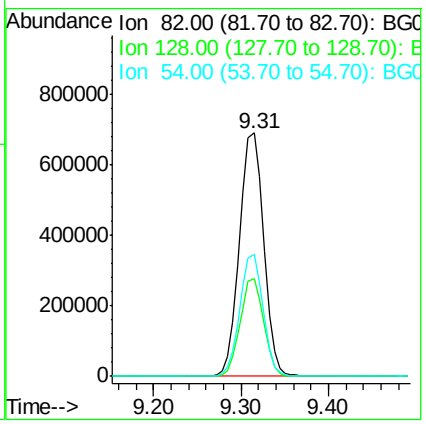


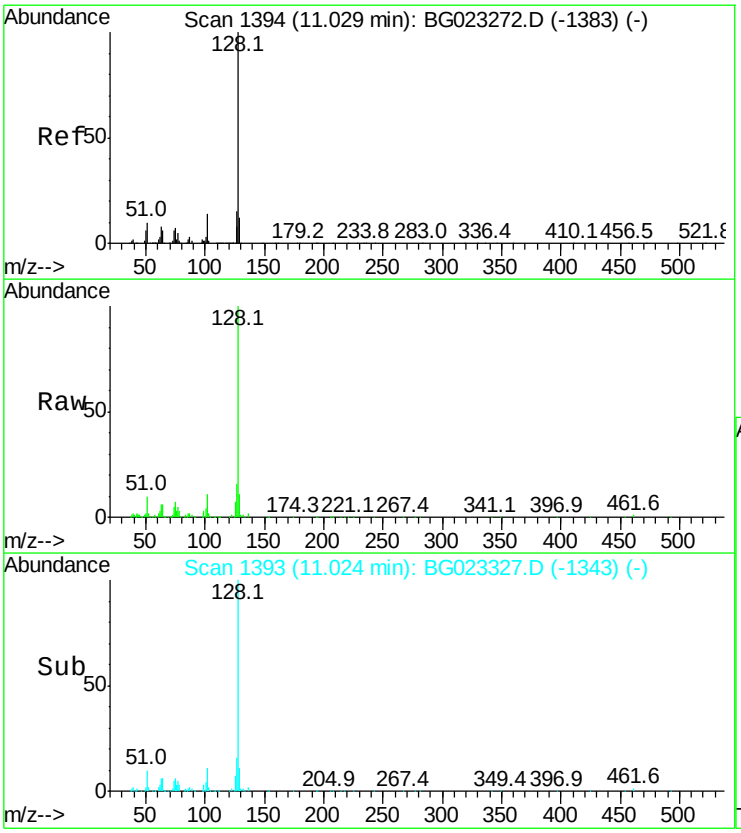
#23
Nitrobenzene-d5
Concen: 85.85 ng
RT: 9.31 min Scan# 1102
Delta R.T. 0.01 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Instrument :
BNA_G
ClientSampleId :
L-1

Tgt Ion: 82 Resp: 1283623

Ion	Ratio	Lower	Upper
82	100		
128	40.0	24.4	36.6#
54	50.3	41.4	62.0

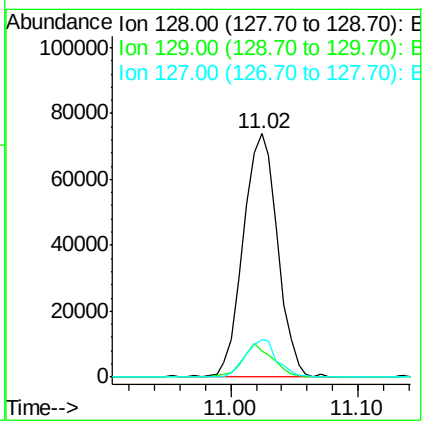


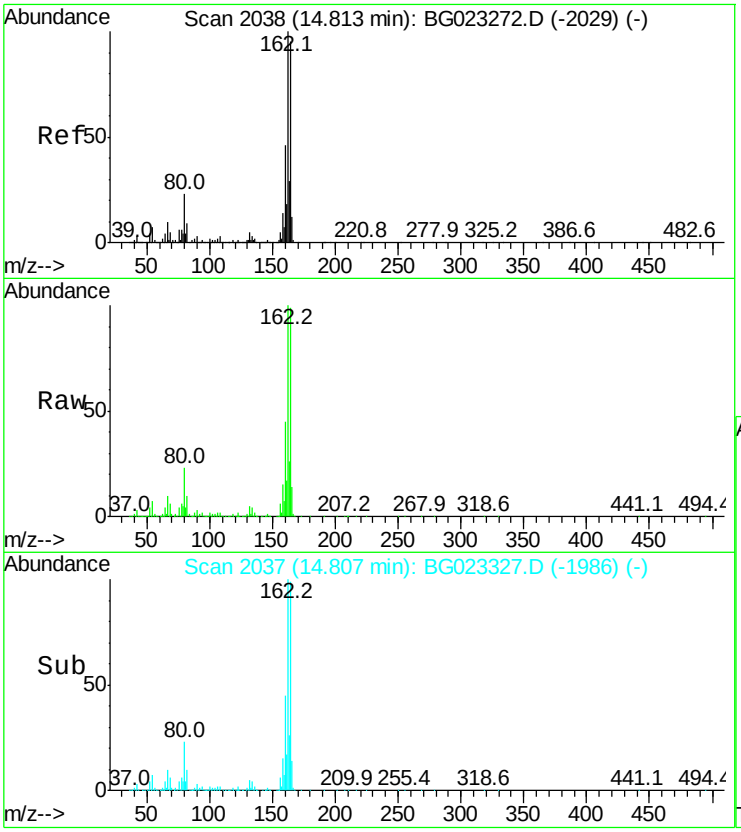


#31
Naphthalene
Concen: 4.09 ng
RT: 11.02 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Tgt Ion:128 Resp: 139040

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.0
127	15.5	11.3	16.9



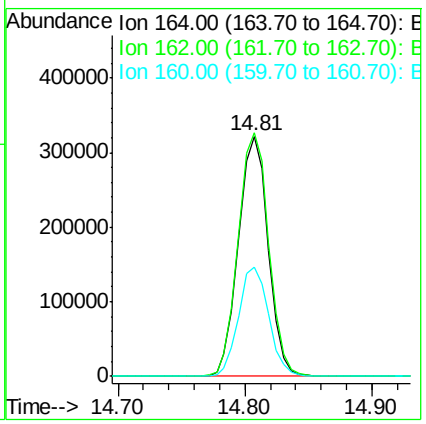


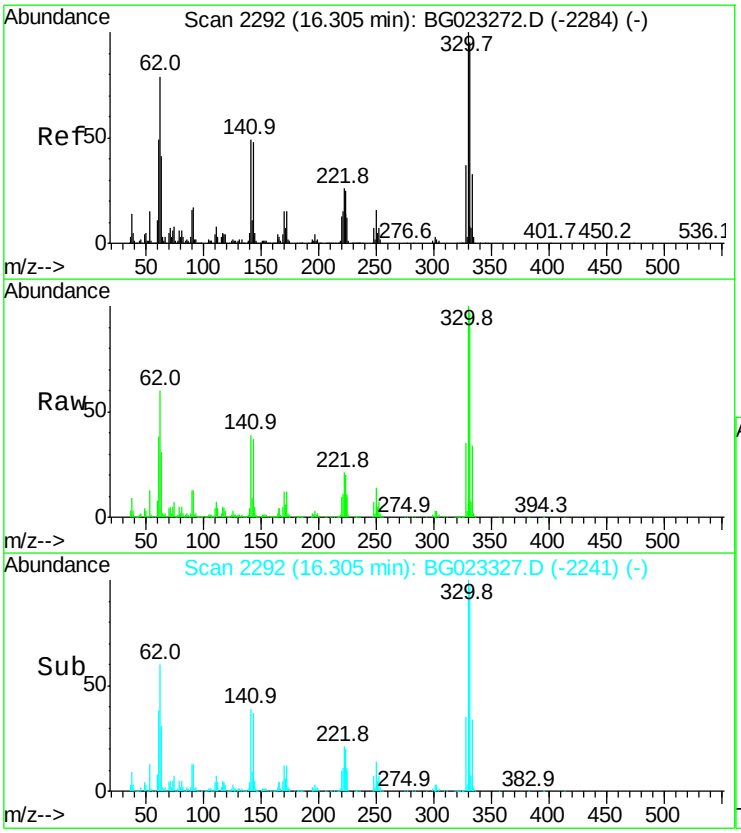
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Instrument :
BNA_G
ClientSampleId :
L-1

Tgt Ion:164 Resp: 522813

Ion	Ratio	Lower	Upper
164	100		
162	101.3	87.7	131.5
160	45.3	37.2	55.8

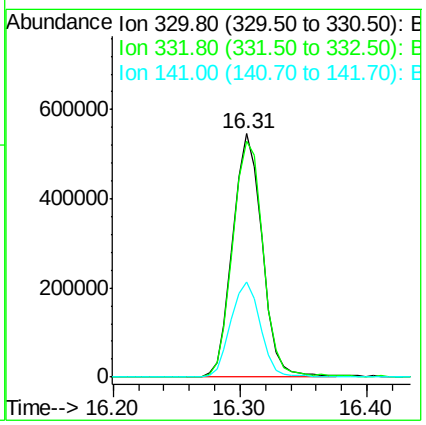


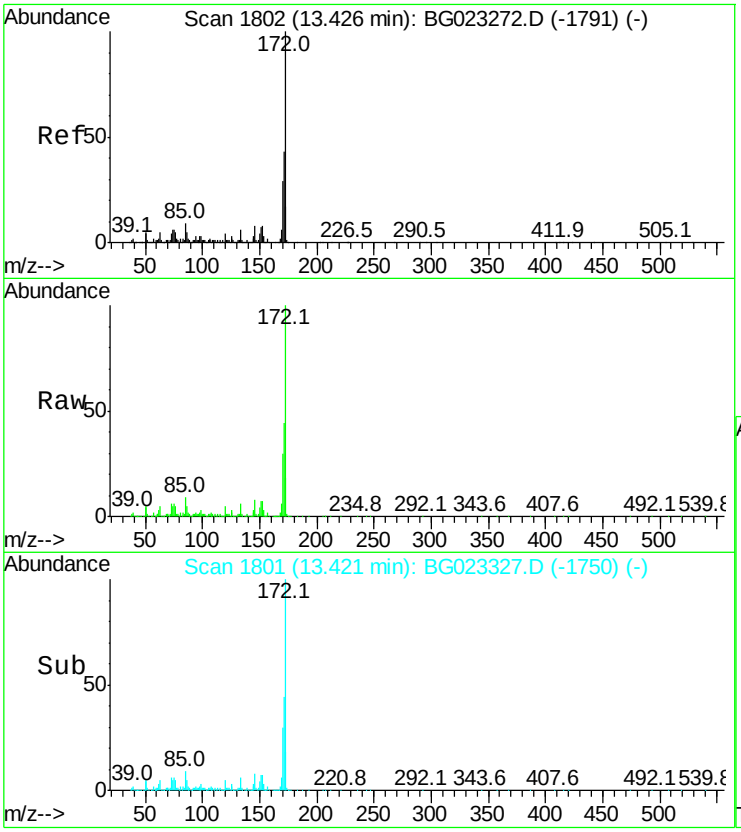


#41
2,4,6-Tribromophenol
Concen: 162.42 ng
RT: 16.31 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Tgt Ion:330 Resp: 878907

Ion	Ratio	Lower	Upper
330	100		
332	100.3	77.4	116.2
141	39.4	31.7	47.5



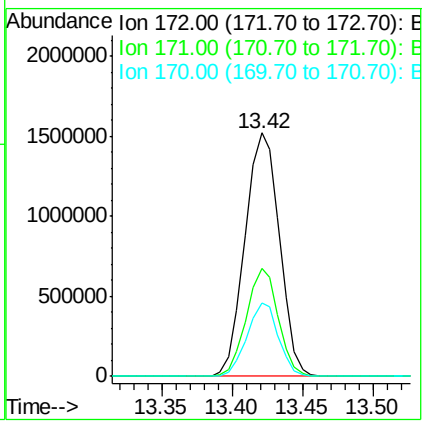


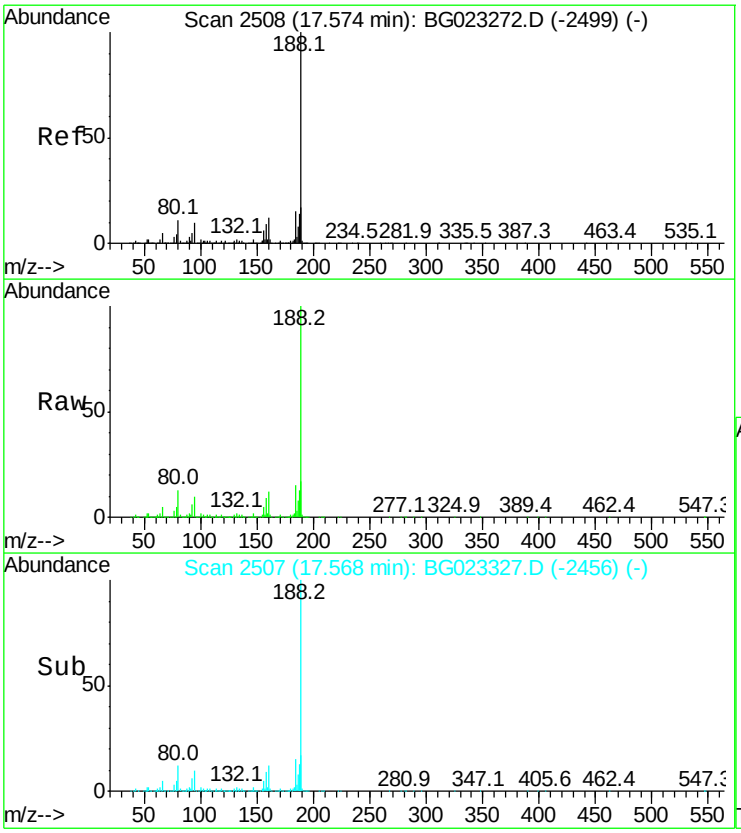
#44
2-Fluorobiphenyl
Concen: 93.52 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Instrument :
BNA_G
ClientSampleId :
L-1

Tgt Ion:172 Resp: 2612306

Ion	Ratio	Lower	Upper
172	100		
171	44.1	31.6	47.4
170	30.3	21.3	31.9

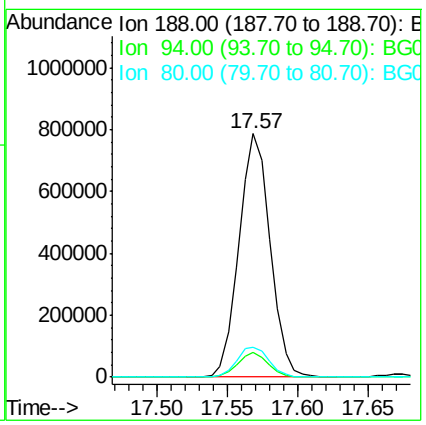


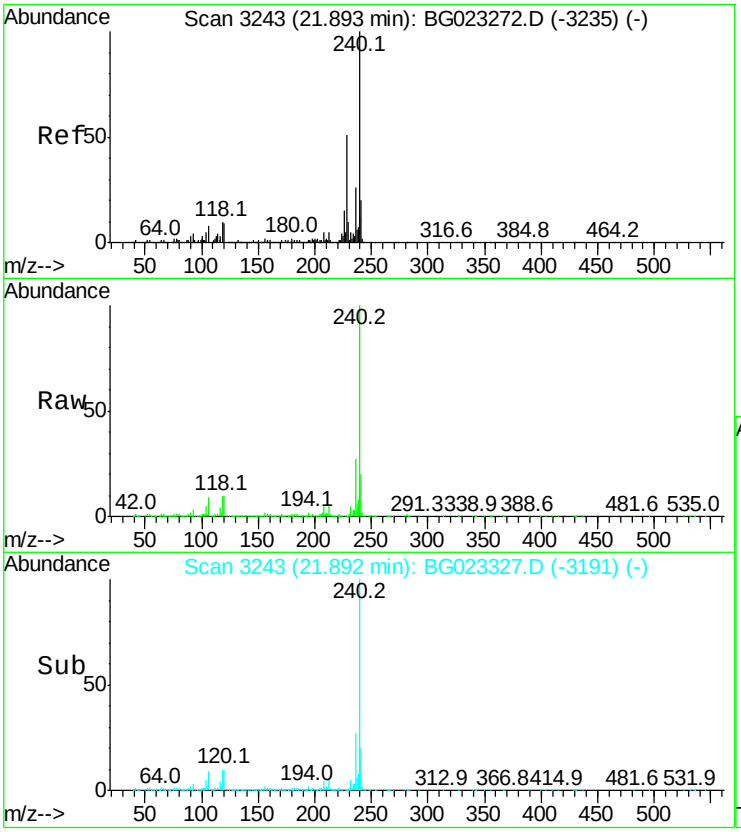


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2507
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Tgt Ion:188 Resp: 1216723

Ion	Ratio	Lower	Upper
188	100		
94	10.1	5.2	7.8#
80	12.5	7.2	10.8#



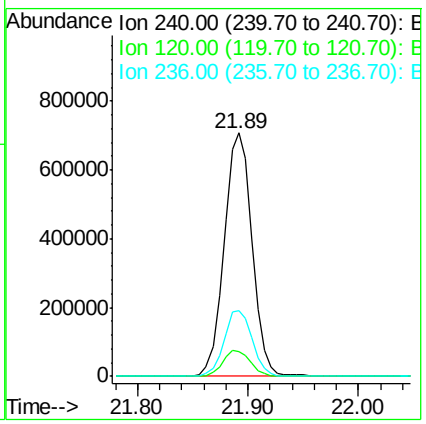


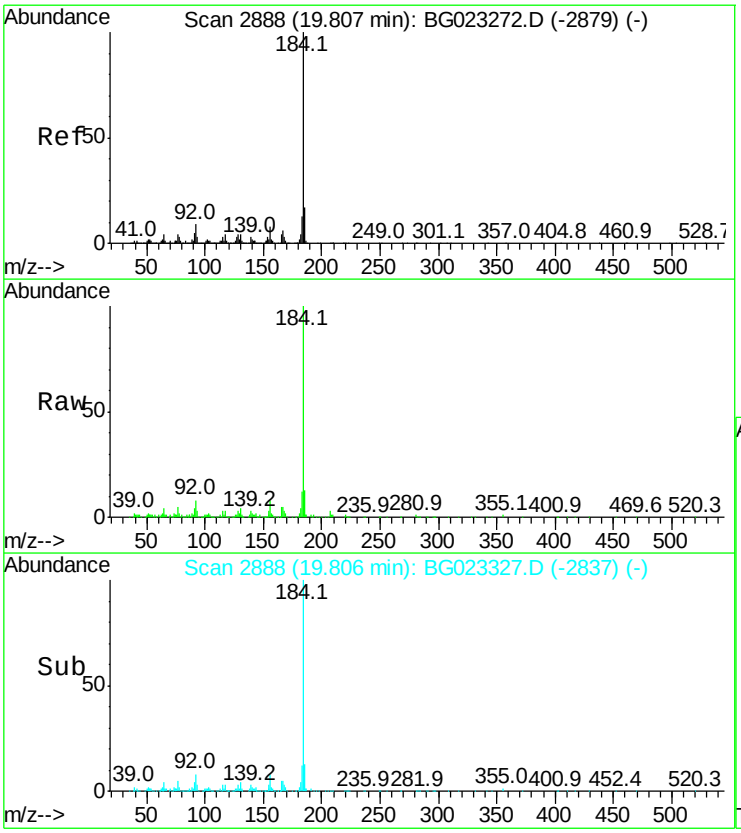
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.89 min Scan# 3243
Delta R.T. 0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Instrument :
BNA_G
ClientSampleId :
L-1

Tgt Ion:240 Resp: 1246195

Ion	Ratio	Lower	Upper
240	100		
120	10.0	4.1	6.1#
236	26.9	21.1	31.7

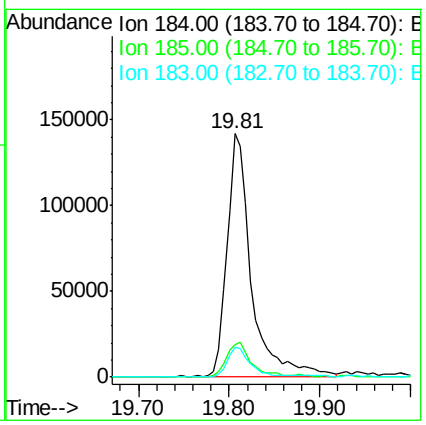


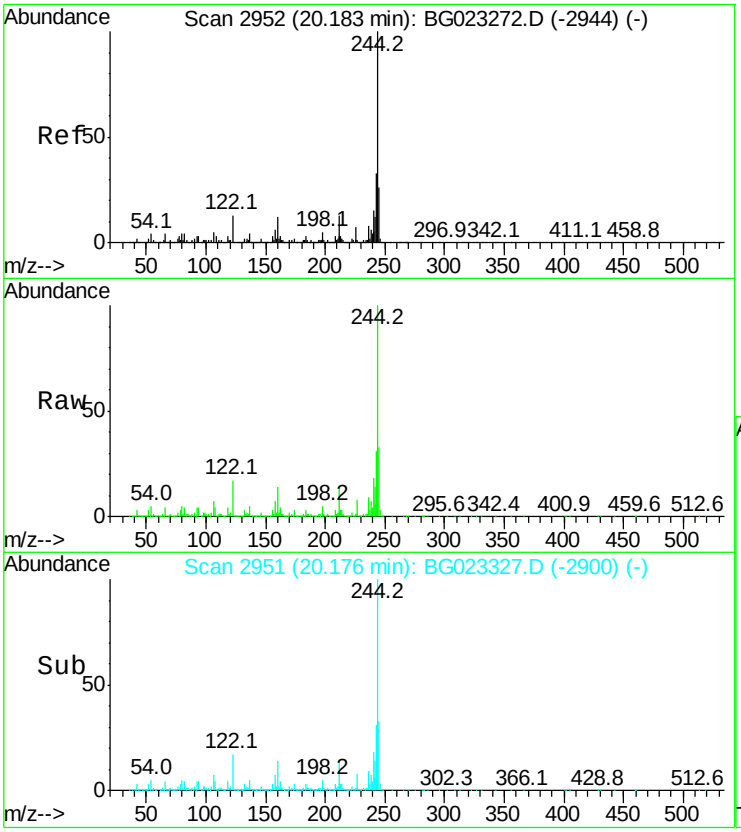


#76
Benzidine
Concen: 7.56 ng
RT: 19.81 min Scan# 2888
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Tgt Ion:184 Resp: 265118

Ion	Ratio	Lower	Upper
184	100		
185	13.4	12.6	19.0
183	12.4	10.7	16.1



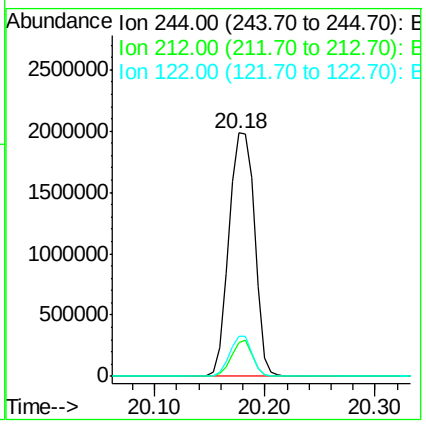


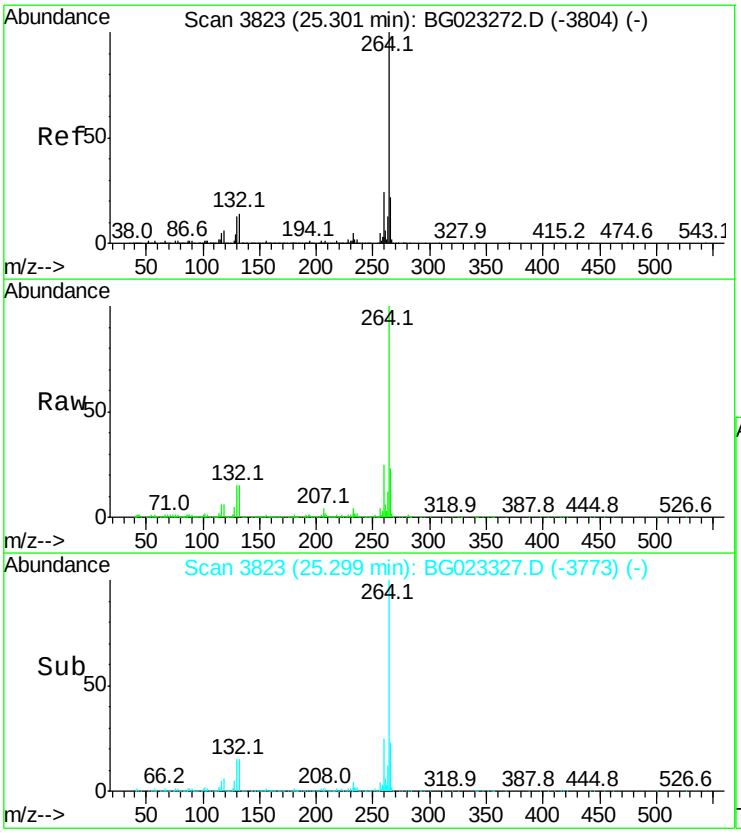
#78
Terphenyl-d14
Concen: 85.08 ng
RT: 20.18 min Scan# 2951
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Instrument :
BNA_G
ClientSampleId :
L-1

Tgt Ion:244 Resp: 3261524

Ion	Ratio	Lower	Upper
244	100		
212	13.7	10.8	16.2
122	16.6	8.0	12.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.30 min Scan# 3823
Delta R.T. -0.00 min
Lab File: BG023327.D
Acq: 29 Jul 2016 5:45

Tgt Ion:264 Resp: 1270163

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.4	27.6
265	22.7	18.9	28.3