Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032117\
Data File : BG026360.D
Acq On : 21 Mar 2017 16:06
Operator : SJ/MA
Sample : I2296-05
Misc : LOD 8 PPB
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

Manual Integrations APPROVED
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Quant Time: Mar 23 13:05:23 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 17:43:27 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	124040	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	541316	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	319154	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	746045	20.00	ng	0.00
75) Chrysene-d12	21.63	240	896094	20.00	ng	0.00
86) Perylene-d12	24.81	264	864902	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	874179	125.09	ng	0.00
7) Phenol-d6	7.21	99	1156103	123.22	ng	0.00
23) Nitrobenzene-d5	9.20	82	731890	81.30	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	498933	136.51	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	1968665	86.50	ng	0.00
78) Terphenyl-d14	19.98	244	2758132	74.75	ng	0.00
Target Compounds						Qvalue
40) Hexachlorocyclopentadiene	12.84	237	32467	6.42	ng	96
53) 2,4-Dinitrophenol	14.76	184	11520m	3.53	ng	
69) Pentachlorophenol	17.04	266	37256	7.00	ng	95

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

Quantitation Report (QT Reviewed)

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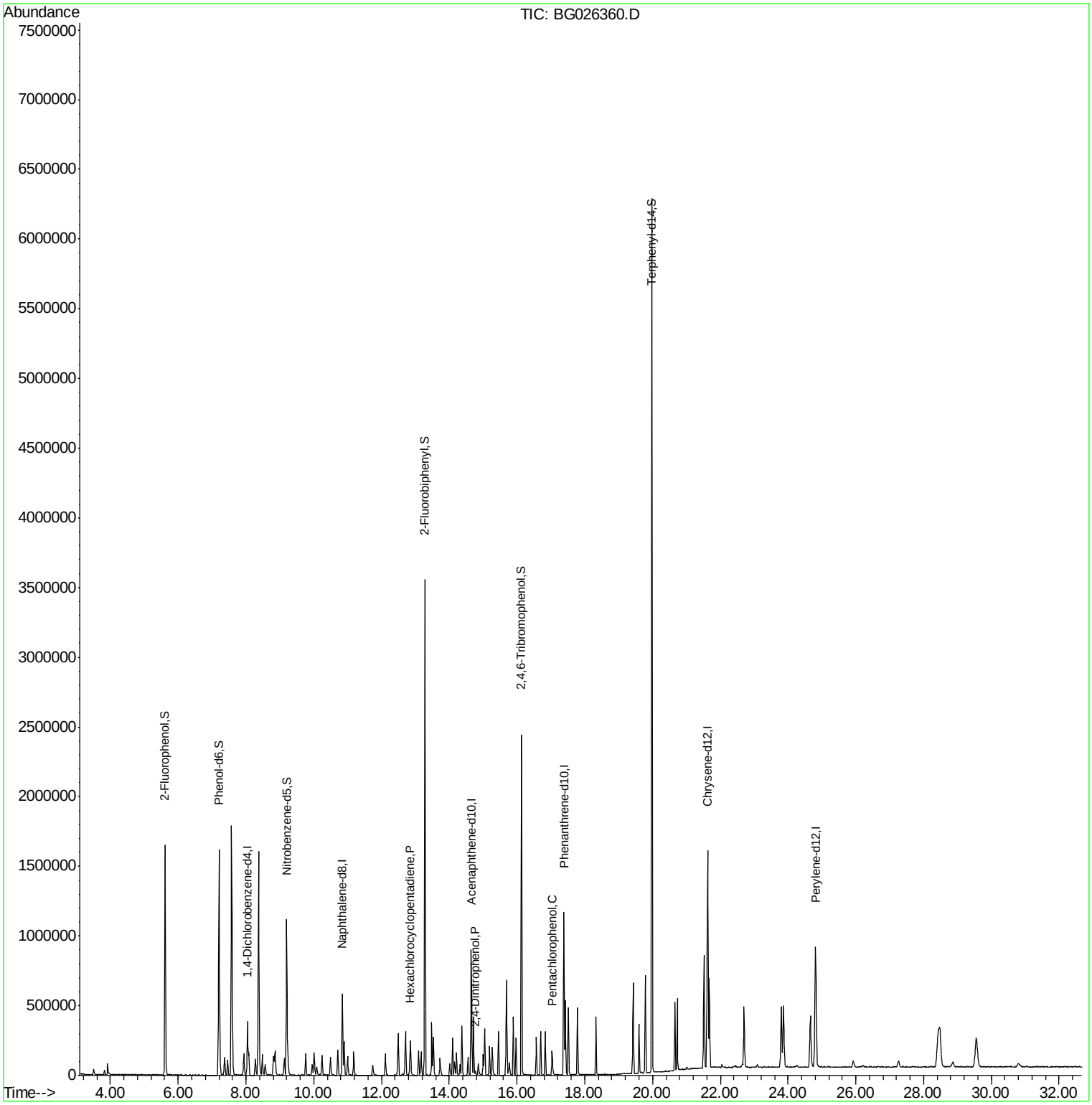
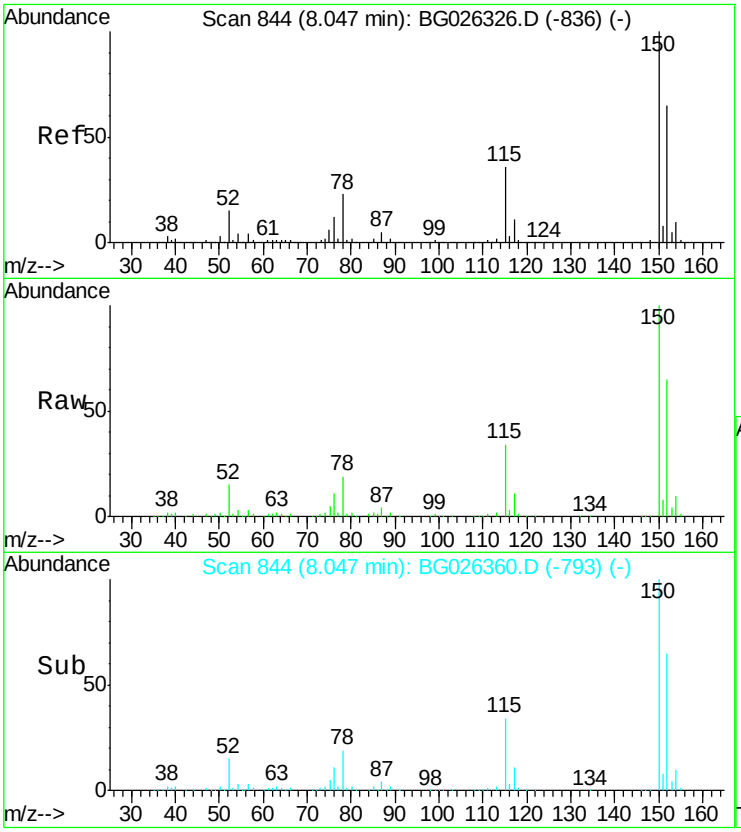
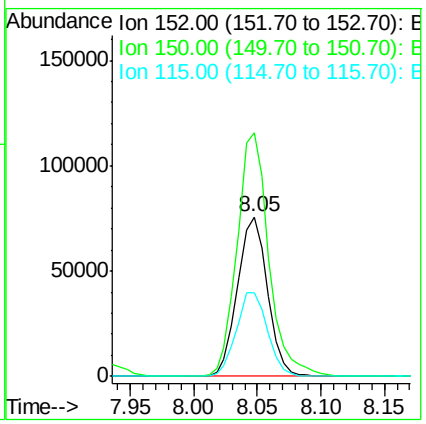




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 844
Delta R.T. 0.00 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:152 Resp: 124040

Ion	Ratio	Lower	Upper
152	100		
150	152.9	114.0	171.0
115	52.7	48.1	72.1



Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

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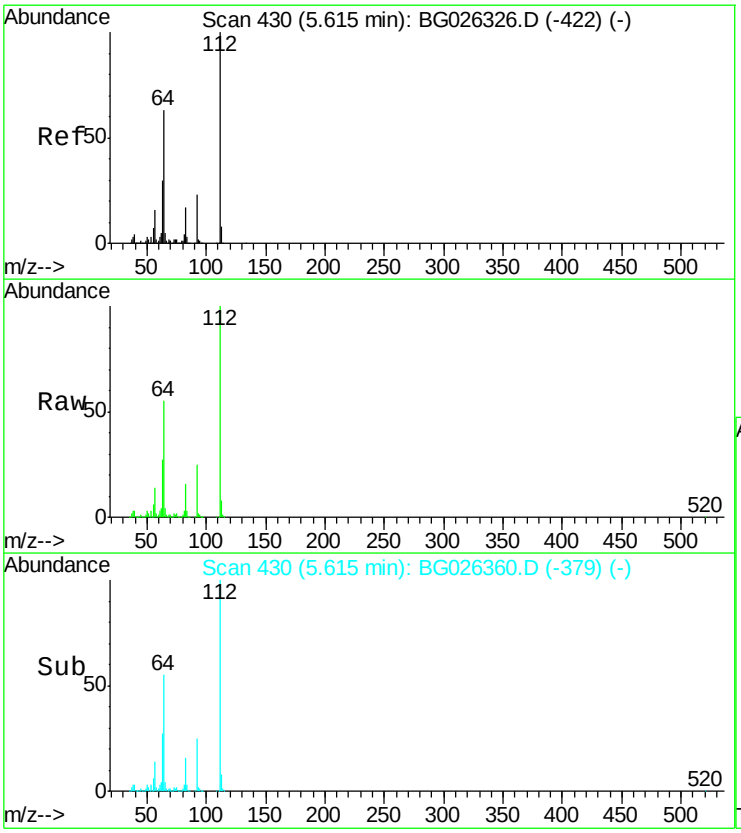
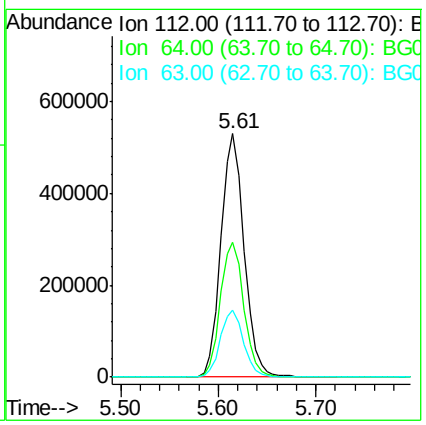
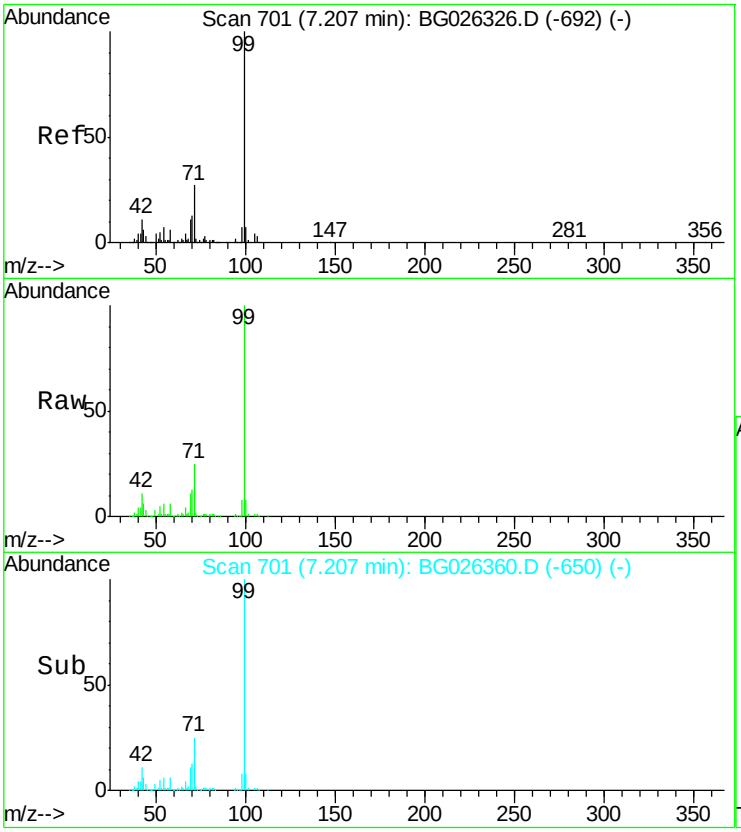


#5
2-Fluorophenol
Concen: 125.09 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:112 Resp: 874179

Ion	Ratio	Lower	Upper
112	100		
64	55.4	61.8	92.6#
63	27.4	37.2	55.8#





#7
Phenol-d6
Concen: 123.22 ng
RT: 7.21 min Scan# 701
Delta R.T. 0.00 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion: 99 Resp: 1156103

Ion	Ratio	Lower	Upper
99	100		
42	10.6	20.5	30.7#
71	24.9	37.6	56.4#

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

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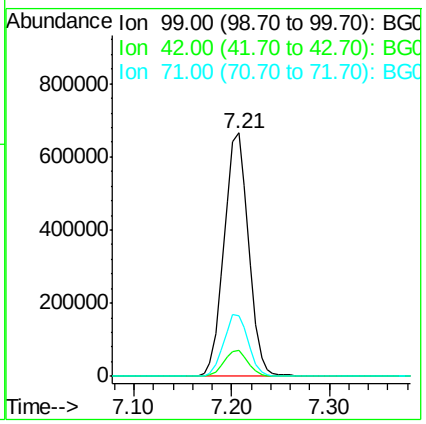
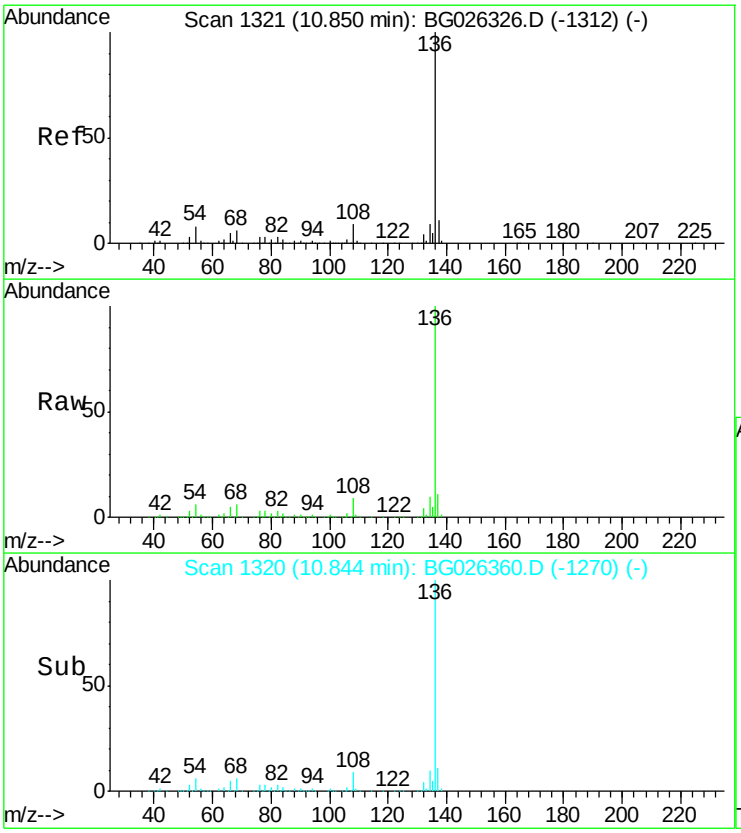
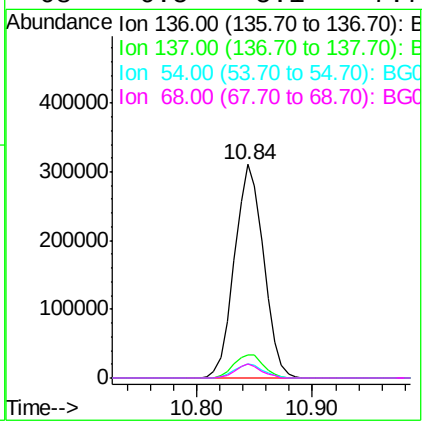


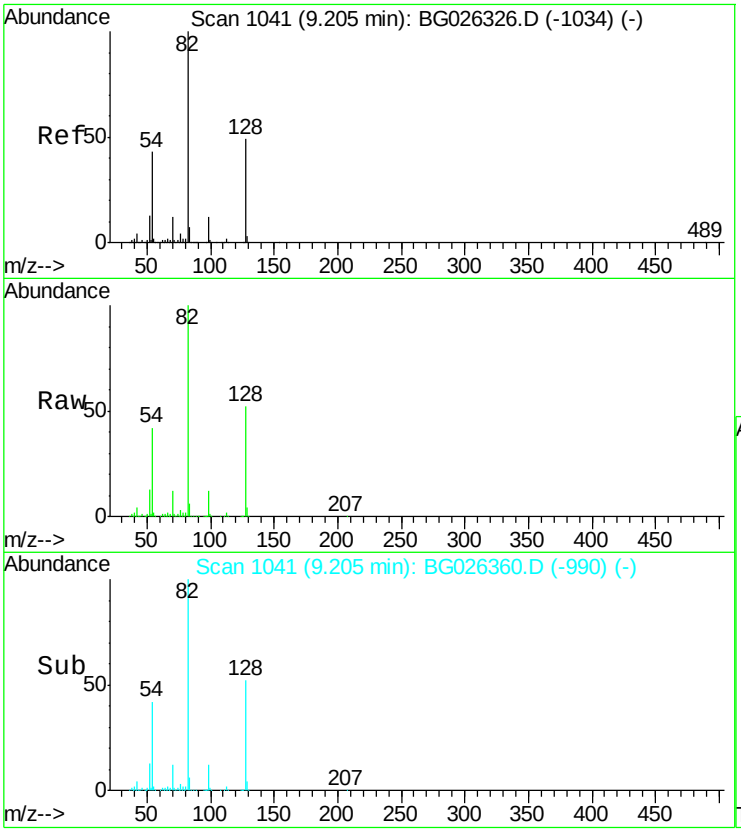


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:136 Resp: 541316

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.3	9.3	13.9#
68	6.5	5.1	7.7

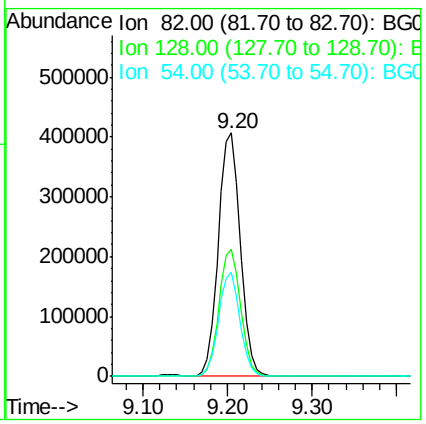




#23
Nitrobenzene-d5
Concen: 81.30 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion: 82 Resp: 731890

Ion	Ratio	Lower	Upper
82	100		
128	52.0	26.4	39.6#
54	42.5	49.4	74.2#



Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

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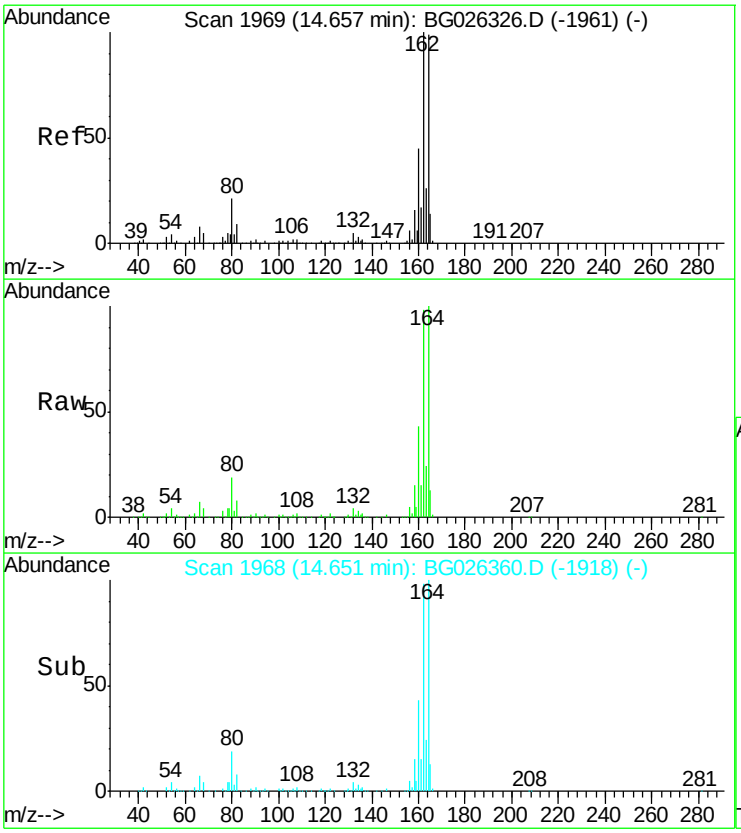
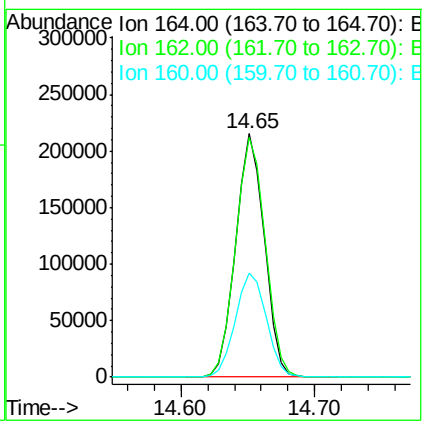
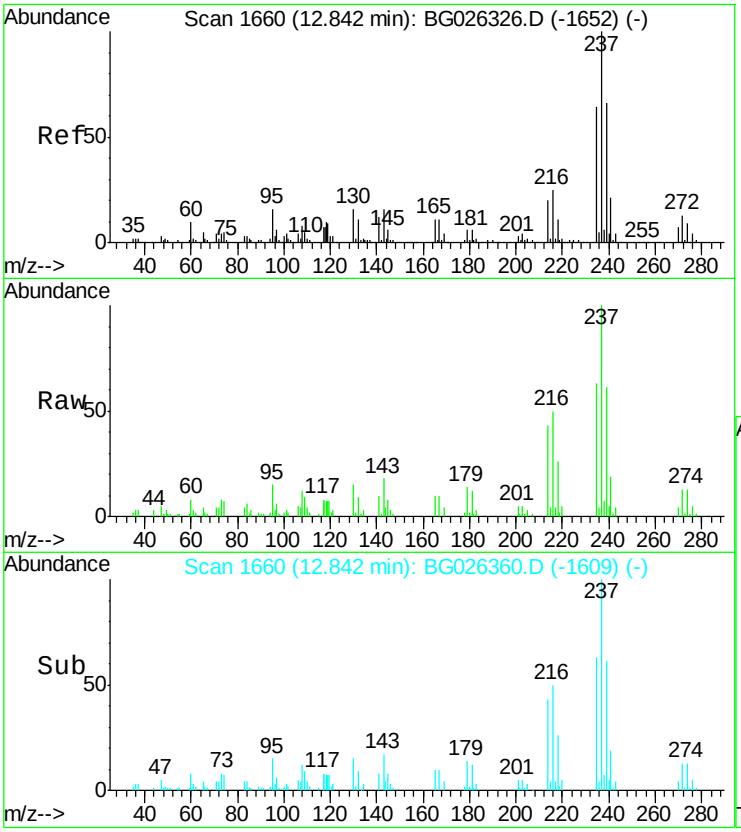


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:164 Resp: 319154

Ion	Ratio	Lower	Upper
164	100		
162	98.2	85.1	127.7
160	42.8	34.7	52.1

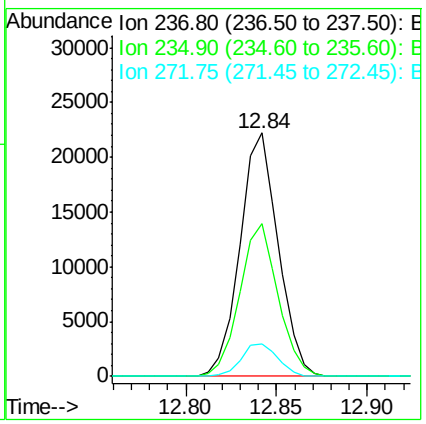




#40
Hexachlorocyclopentadiene
Concen: 6.42 ng
RT: 12.84 min Scan# 1660
Delta R.T. 0.00 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:237 Resp: 32467

Ion	Ratio	Lower	Upper
237	100		
235	62.6	39.4	79.4
272	13.5	0.0	32.0



Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

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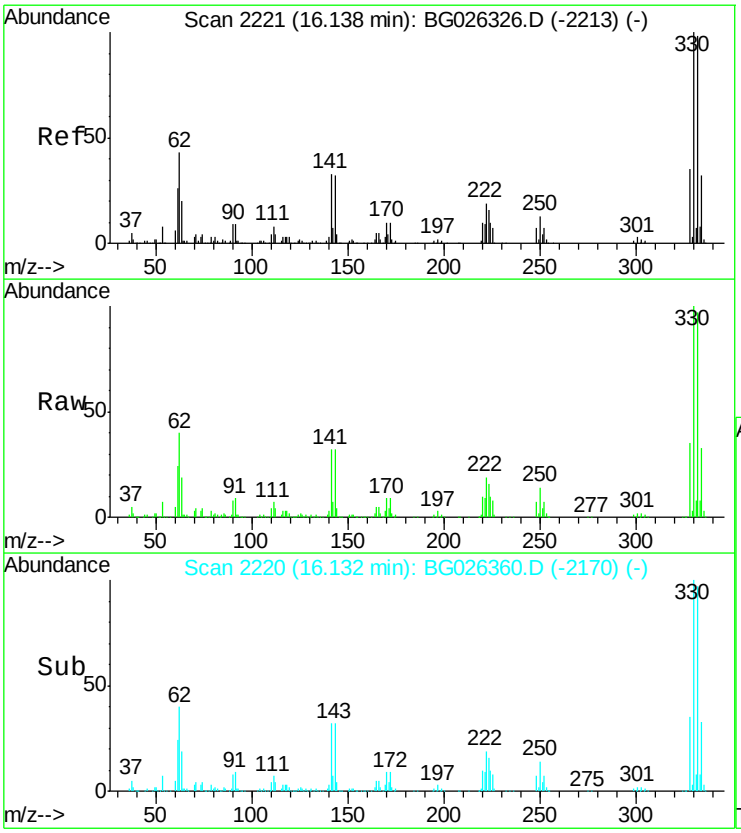
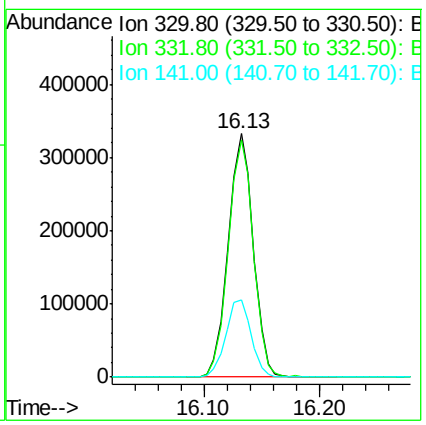
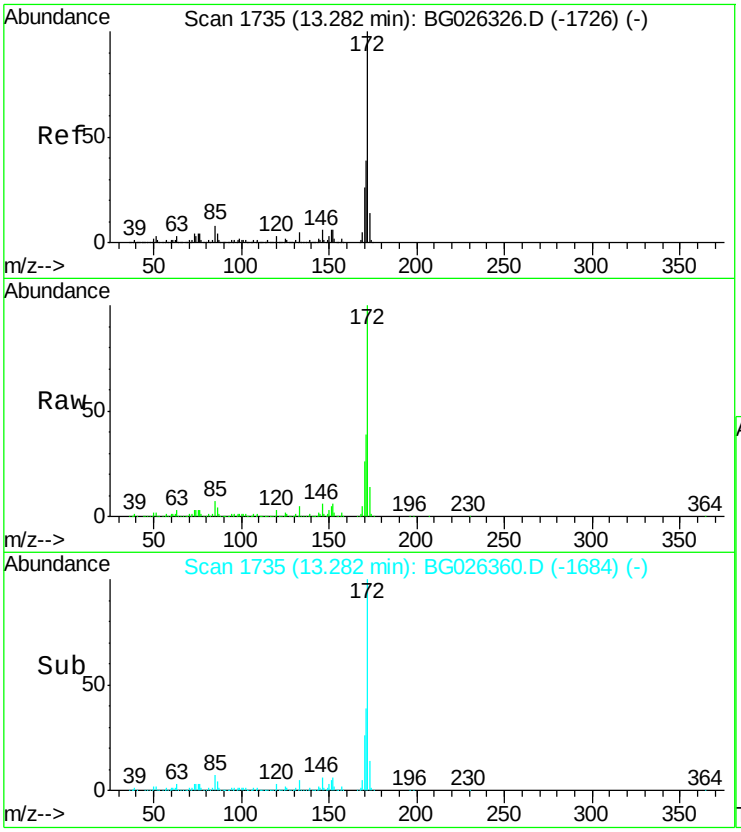


#41
2,4,6-Tribromophenol
Concen: 136.51 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:330 Resp: 498933

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	32.0	32.1	48.1#

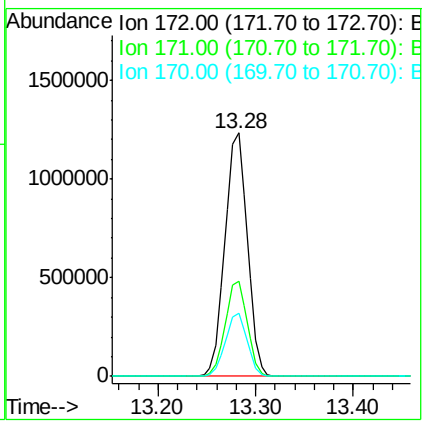




#44
2-Fluorobiphenyl
Concen: 86.50 ng
RT: 13.28 min Scan# 1735
Delta R.T. 0.00 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:172 Resp: 1968665

Ion	Ratio	Lower	Upper
172	100		
171	39.3	32.2	48.2
170	26.0	21.8	32.6



Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

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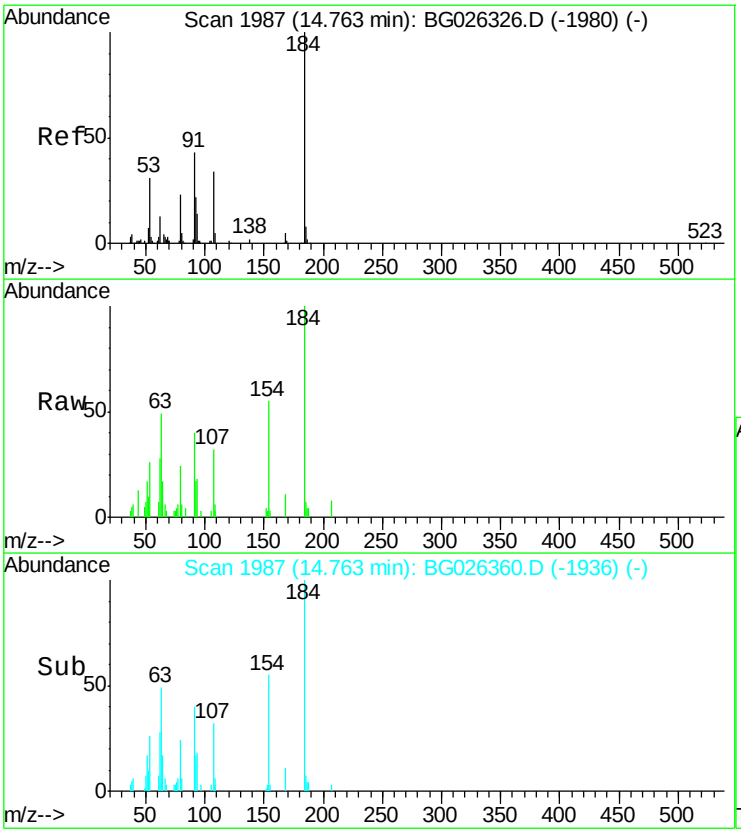
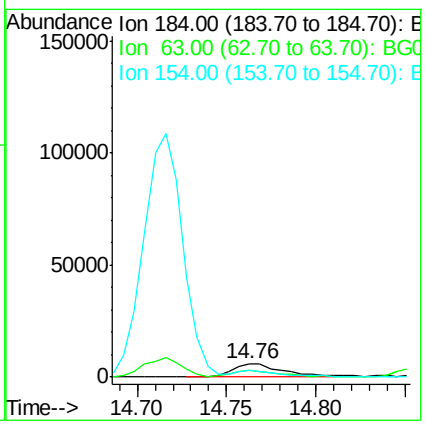
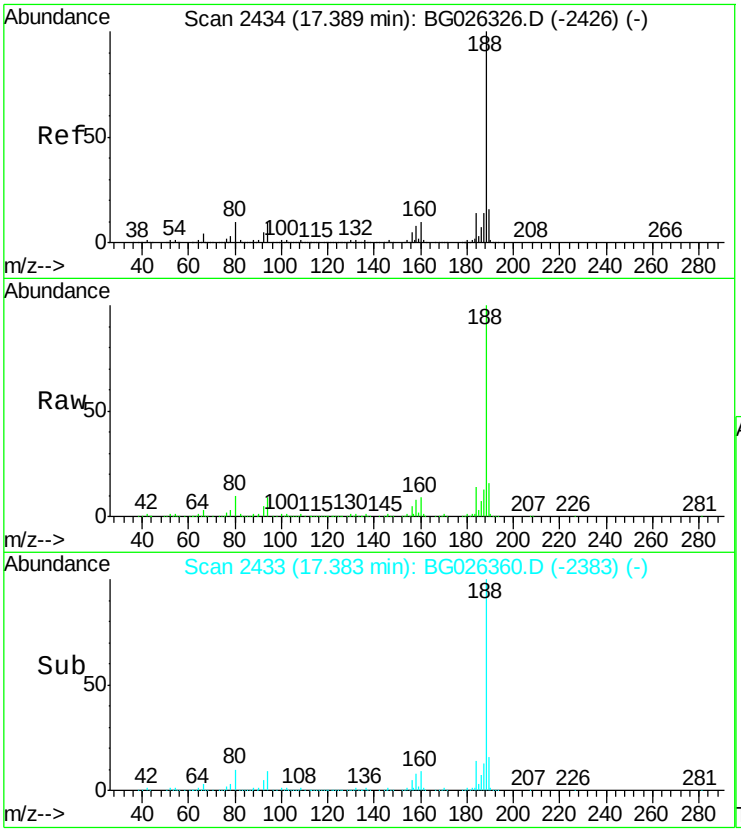


#53
2,4-Dinitrophenol
Concen: 3.53 ng m
RT: 14.76 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:184 Resp: 11520

Ion	Ratio	Lower	Upper
184	100		
63	49.4	52.7	79.1#
154	55.3	57.3	85.9#





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:188 Resp: 746045

Ion	Ratio	Lower	Upper
188	100		
94	9.0	5.8	8.8#
80	10.0	7.5	11.3

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

Manual Integrations APPROVED
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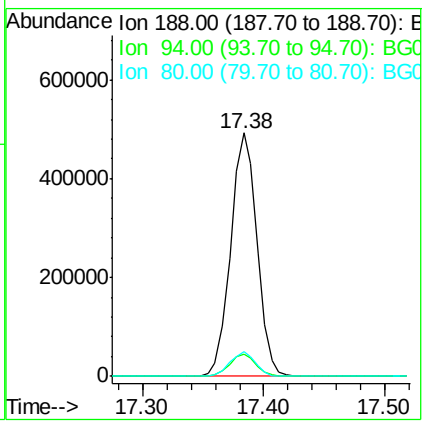
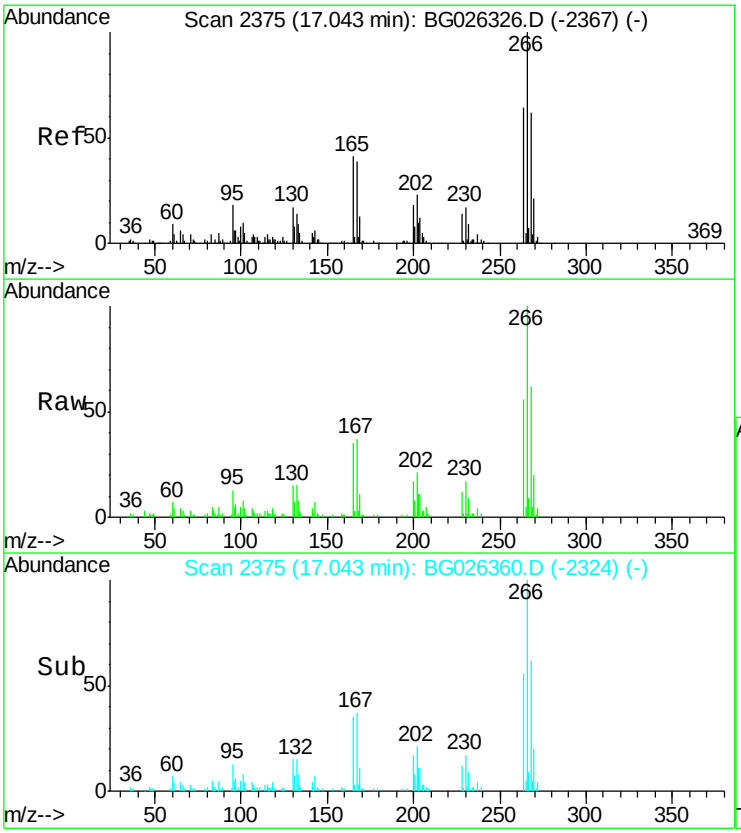
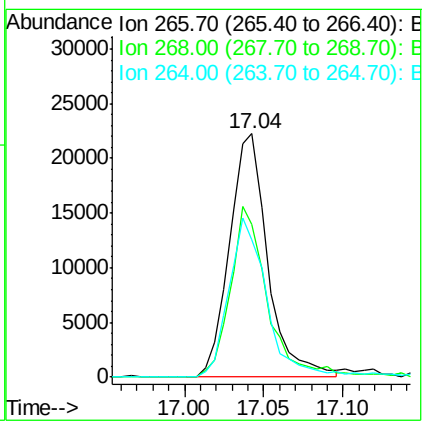


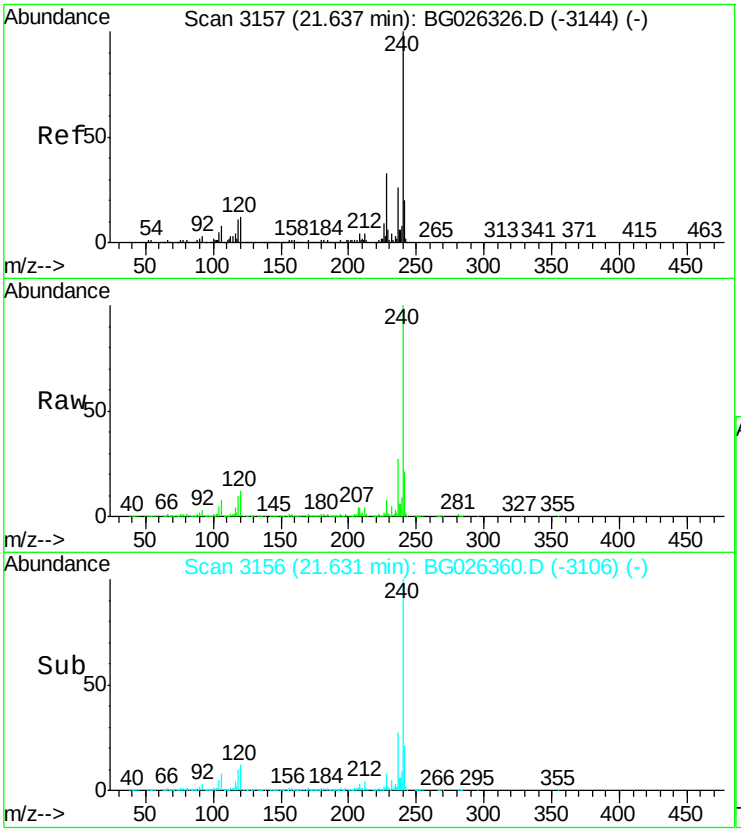


#69
Pentachlorophenol
Concen: 7.00 ng
RT: 17.04 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:266 Resp: 37256

Ion	Ratio	Lower	Upper
266	100		
268	62.5	48.6	72.8
264	56.2	50.1	75.1





#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:240 Resp: 896094

Ion	Ratio	Lower	Upper
240	100		
120	11.5	5.7	8.5#
236	26.8	22.2	33.4

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

Manual Integrations APPROVED
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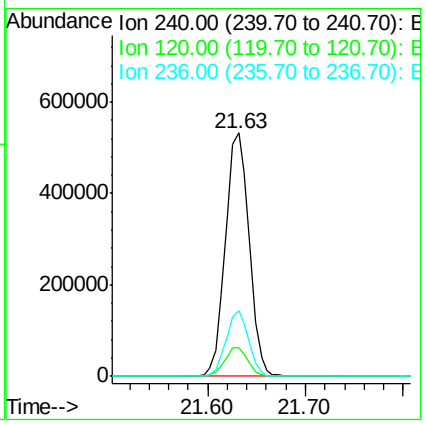
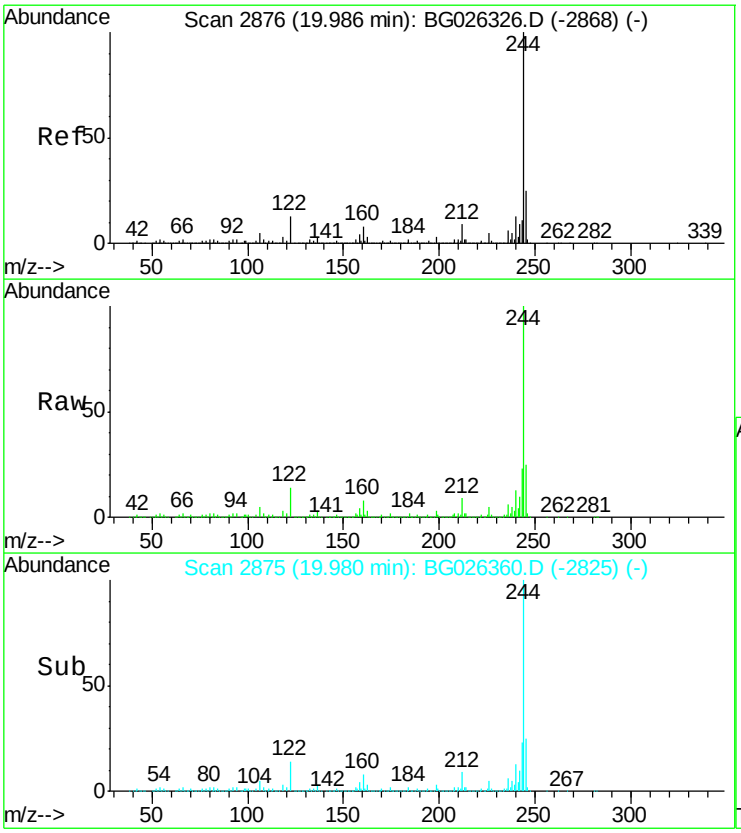
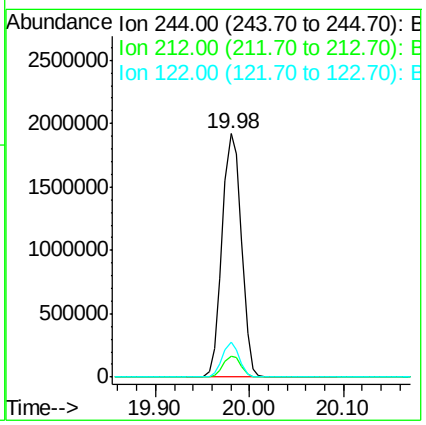


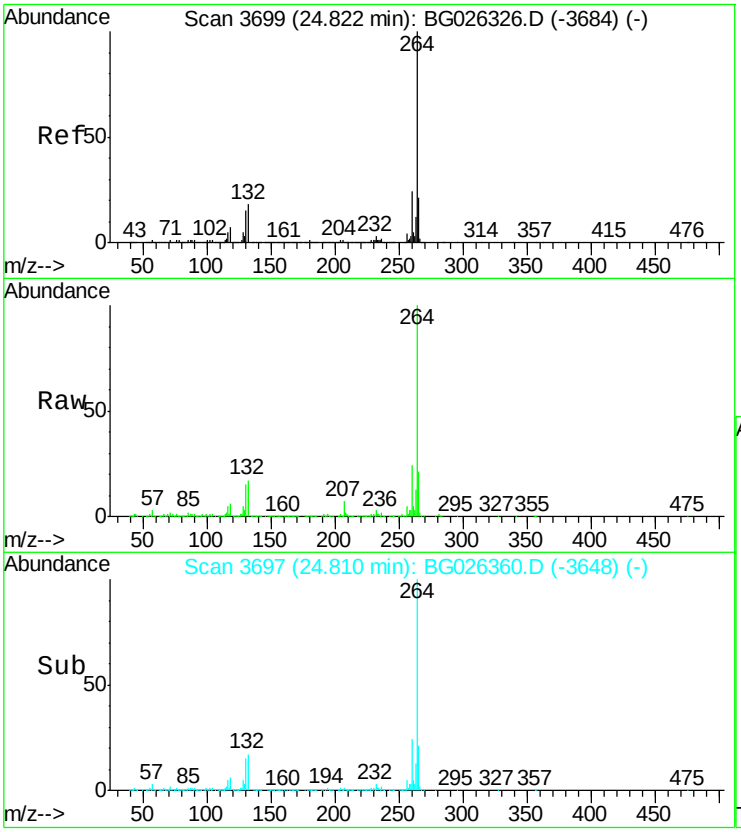


#78
Terphenyl-d14
Concen: 74.75 ng
RT: 19.98 min Scan# 2875
Delta R.T. -0.01 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:244 Resp: 2758132

Ion	Ratio	Lower	Upper
244	100		
212	8.6	10.0	15.0#
122	14.3	8.6	12.8#

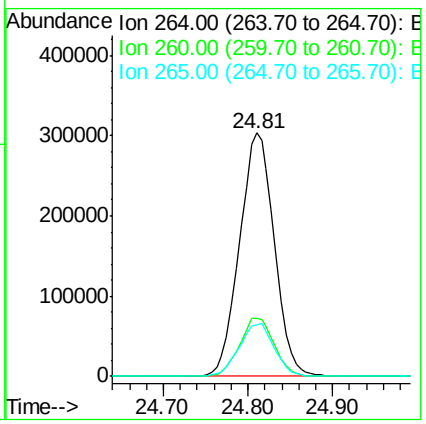




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.01 min
Lab File: BG026360.D
Acq: 21 Mar 2017 16:06

Tgt Ion:264 Resp: 864902

Ion	Ratio	Lower	Upper
264	100		
260	24.0	21.8	32.8
265	21.4	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
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