Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045278.D
Acq On : 7 May 2020 20:40
Operator : CG/JU
Sample : L2498-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-050620

Quant Time: May 08 03:58:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 07 12:51:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	56292	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	217233	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	164491	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	397702	20.00	ng	0.00
76) Chrysene-d12	21.63	240	396722	20.00	ng	0.00
87) Perylene-d12	24.81	264	419067	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	447984	131.39	ng	0.00
7) Phenol-d6	7.15	99	561015	110.74	ng	0.00
23) Nitrobenzene-d5	9.14	82	505913	106.26	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	405050	159.40	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1175989	104.83	ng	0.00
79) Terphenyl-d14	19.99	244	2095098	115.10	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.84	128	36840	3.100	ng	97
50) Dimethylphthalate	14.07	163	74672	5.575	ng	99
77) Benzidine	19.60	184	147538	7.935	ng	96

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

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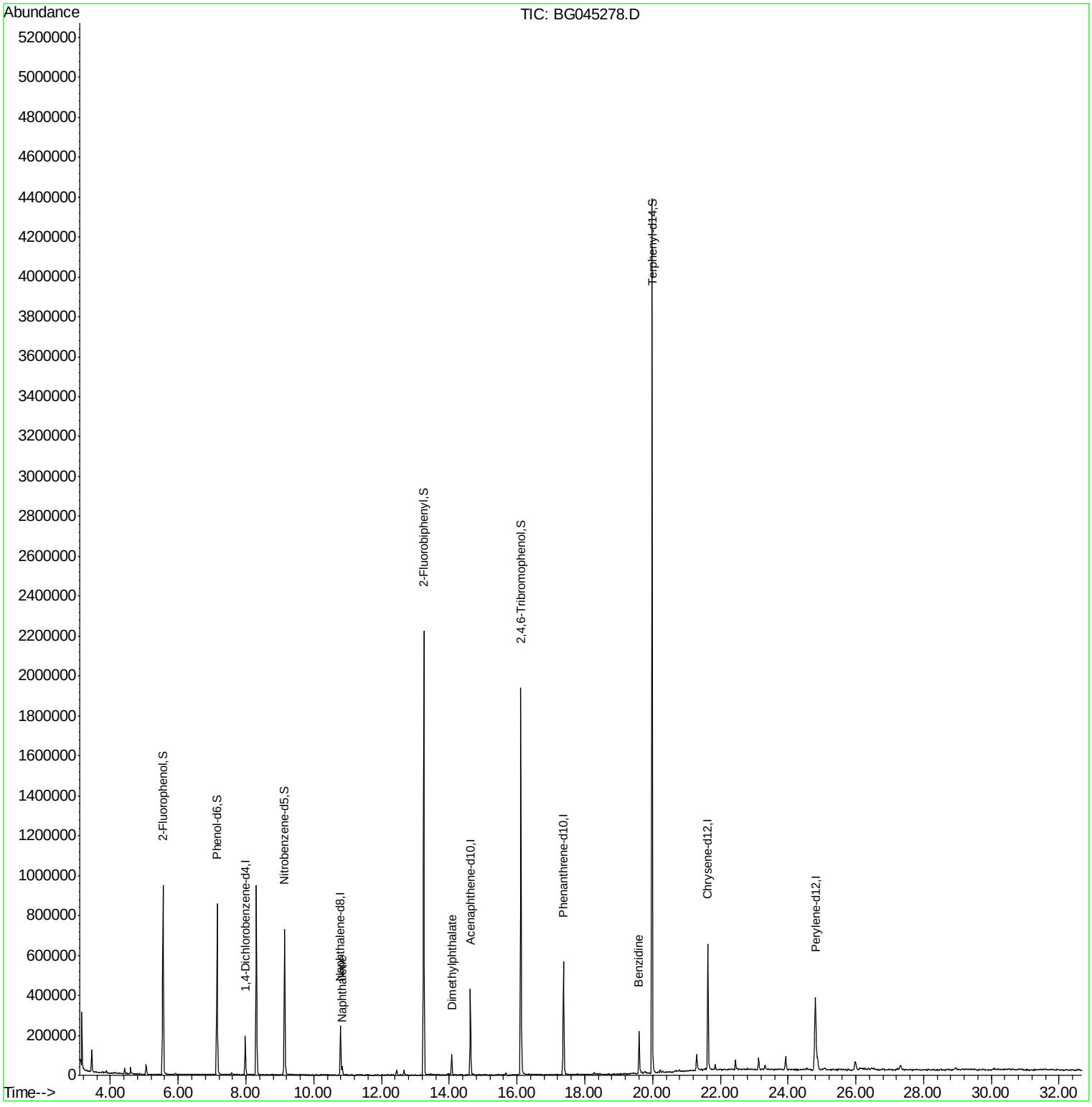
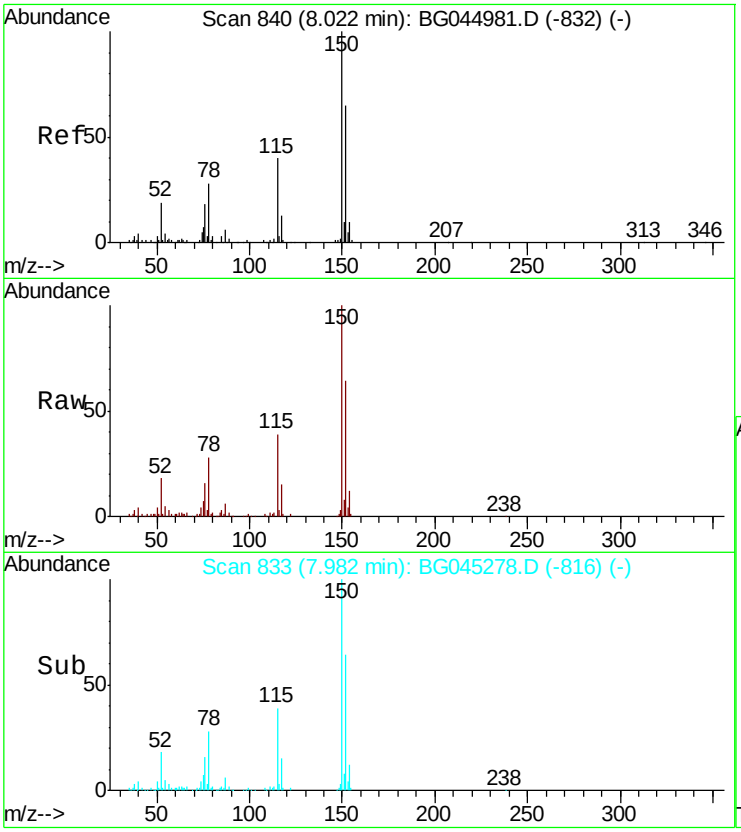


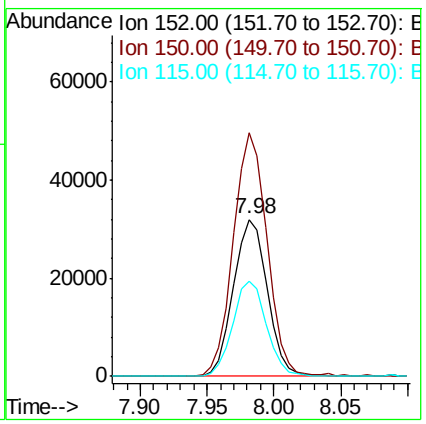


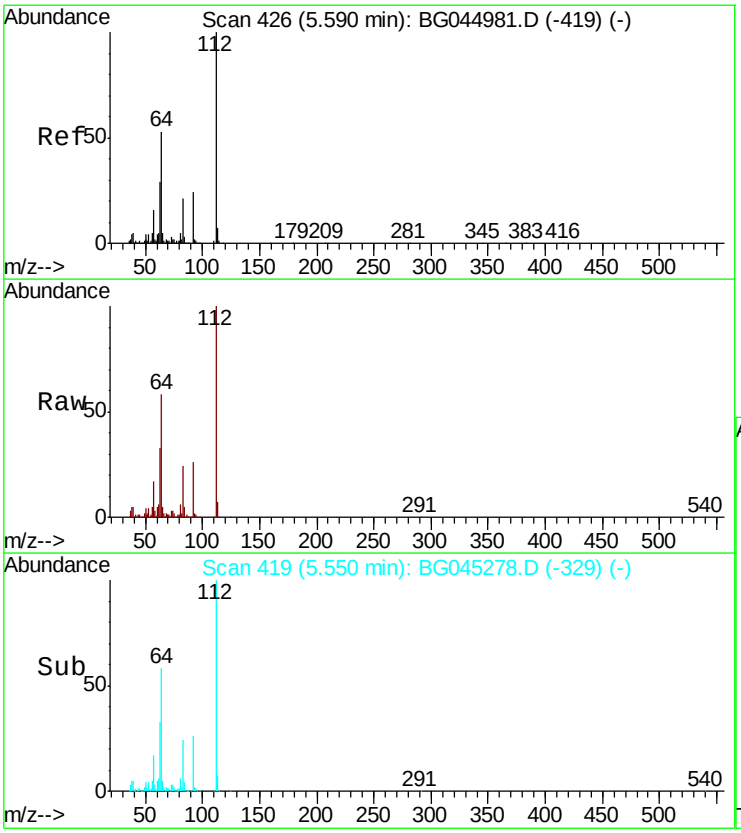
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tgt Ion:152 Resp: 56292

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.6	185.4
115	60.7	49.1	73.7

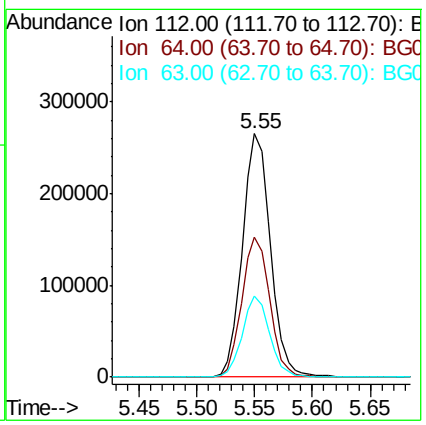


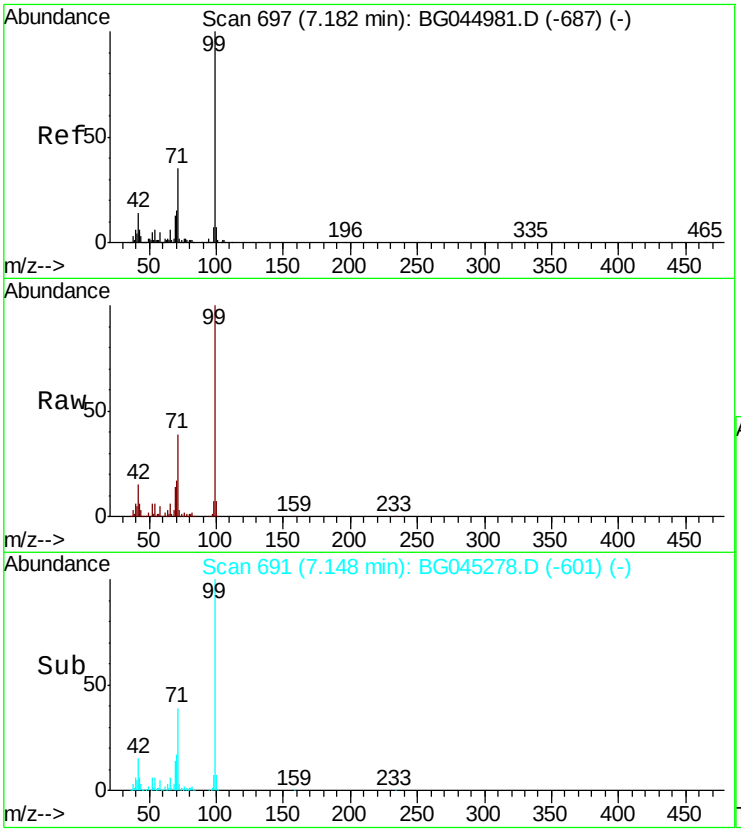


#5
2-Fluorophenol
Concen: 131.386 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Tgt Ion:112 Resp: 447984

Ion	Ratio	Lower	Upper
112	100		
64	57.6	42.4	63.6
63	33.1	23.1	34.7



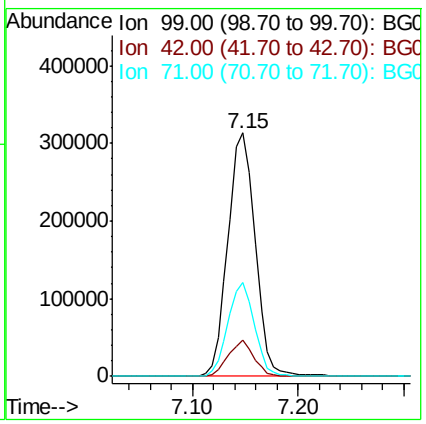


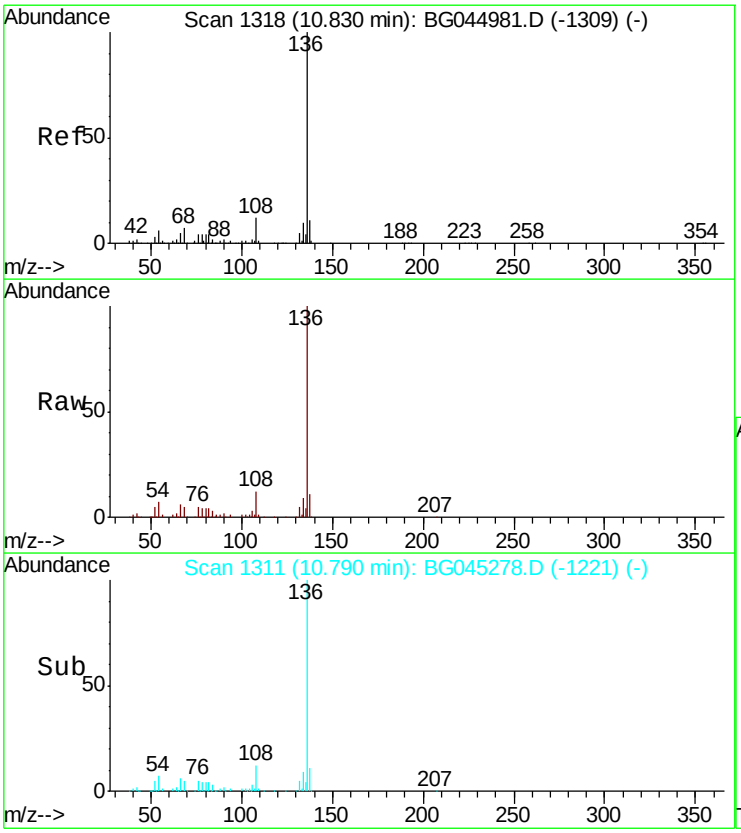
#7
Phenol-d6
Concen: 110.743 ng
RT: 7.15 min Scan# 691
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tgt Ion: 99 Resp: 561015

Ion	Ratio	Lower	Upper
99	100		
42	14.8	11.3	16.9
71	38.7	28.3	42.5

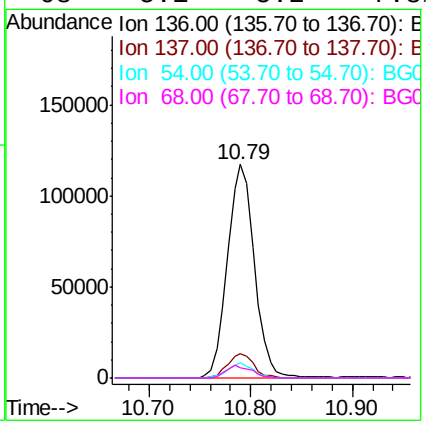


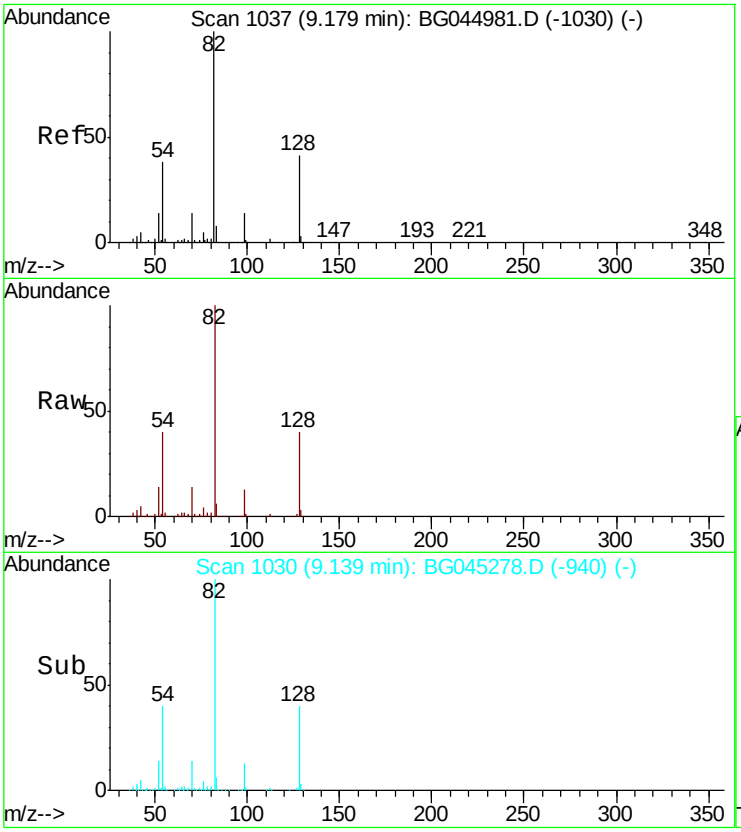


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Tgt Ion:136 Resp: 217233

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	7.3	4.8	7.2#
68	5.1	5.2	7.8#



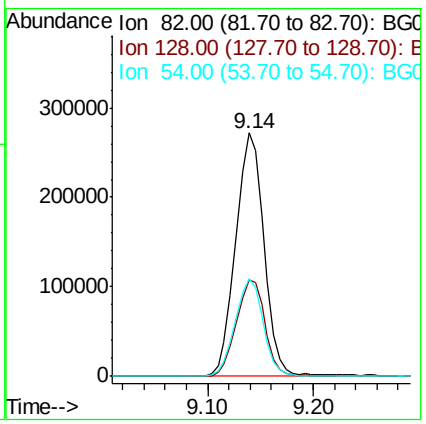


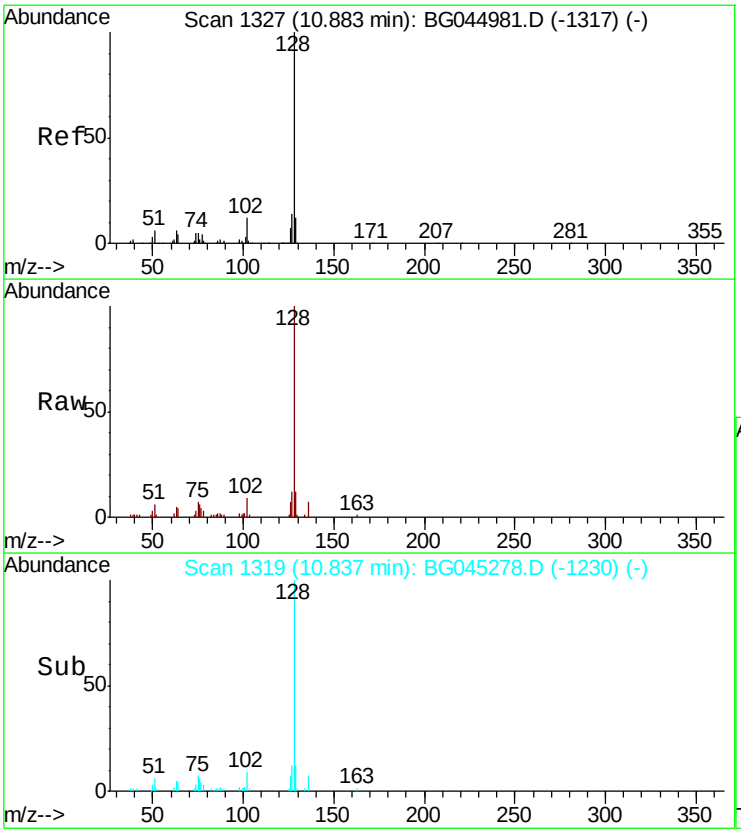
#23
Nitrobenzene-d5
Concen: 106.265 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tgt Ion: 82 Resp: 505913

Ion	Ratio	Lower	Upper
82	100		
128	39.7	33.0	49.4
54	40.1	30.4	45.6

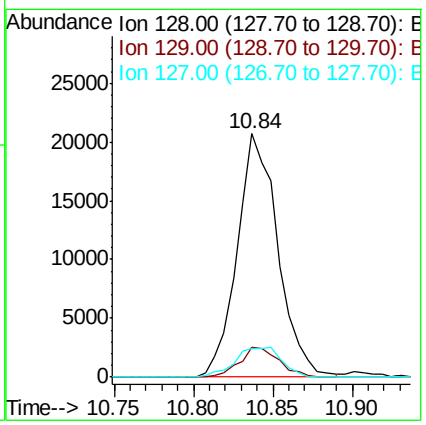


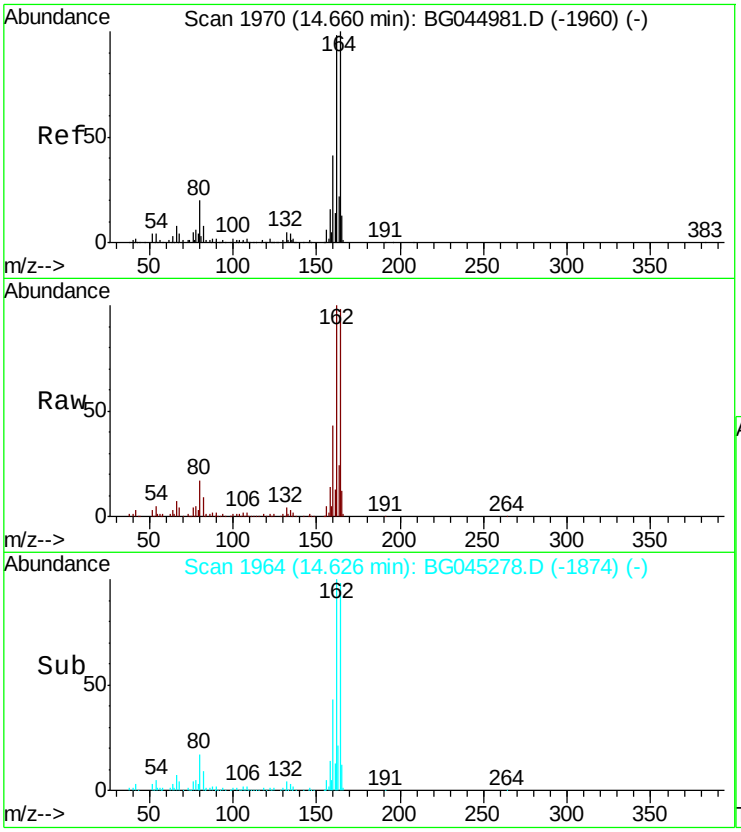


#31
Naphthalene
Concen: 3.100 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Tgt Ion:128 Resp: 36840

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.4	14.2
127	11.8	10.8	16.2



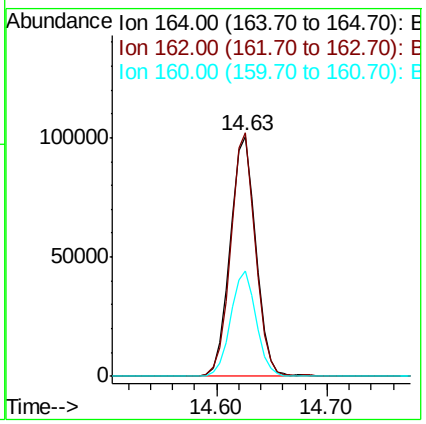


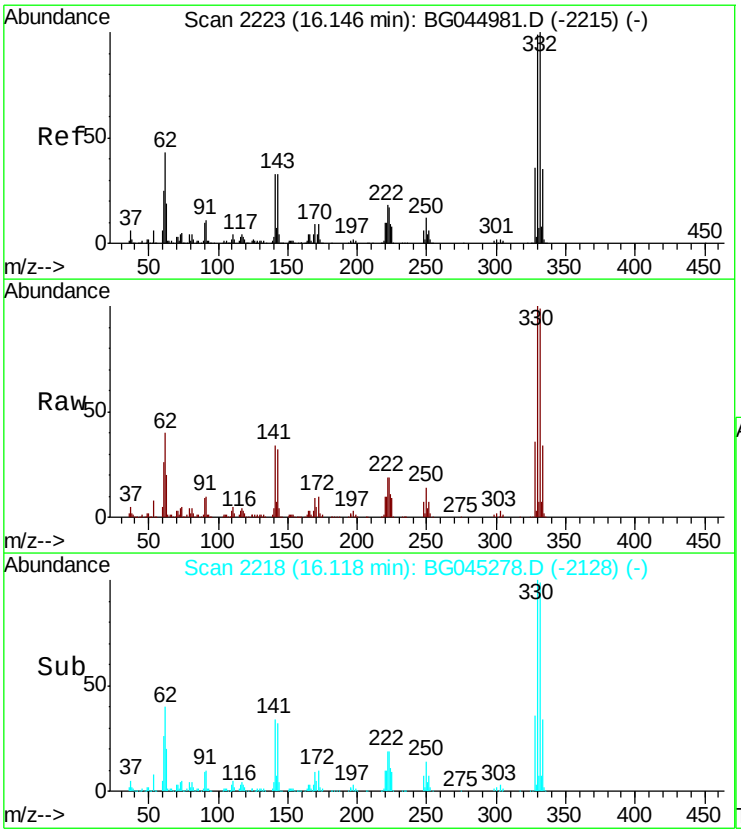
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tgt Ion:164 Resp: 164491

Ion	Ratio	Lower	Upper
164	100		
162	101.5	78.7	118.1
160	43.8	32.8	49.2

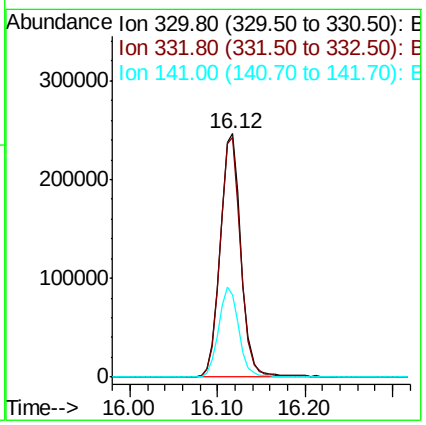


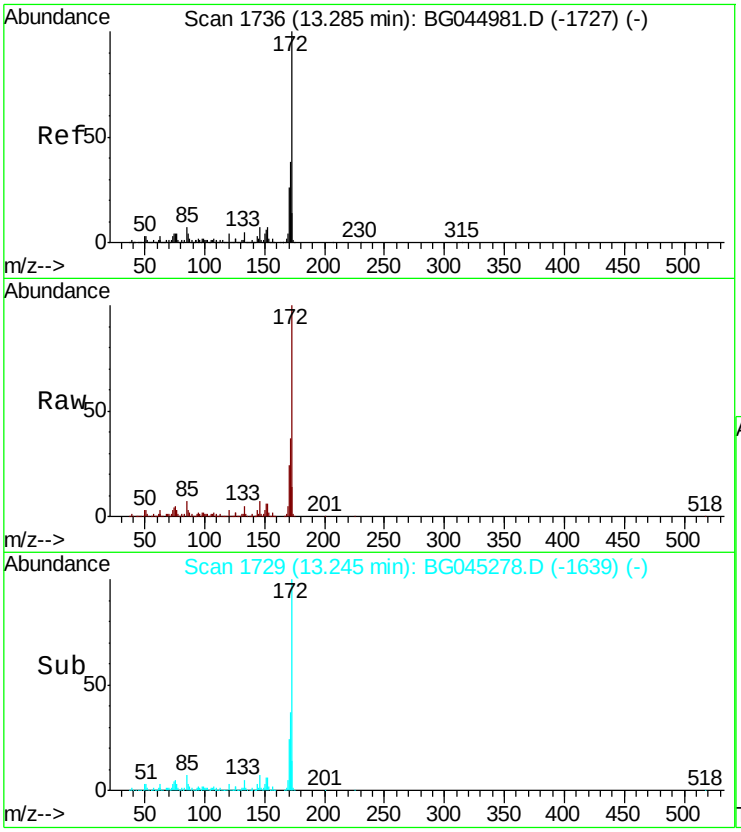


#42
2,4,6-Tribromophenol
Concen: 159.395 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Tgt Ion:330 Resp: 405050

Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.1	118.7
141	35.9	27.1	40.7



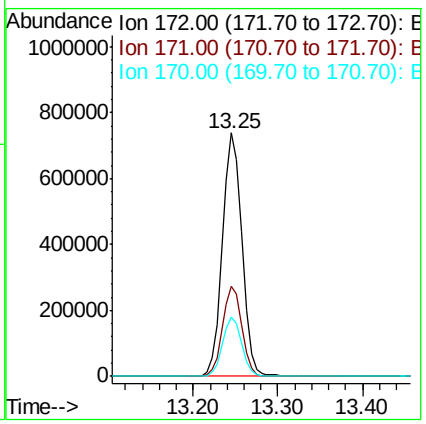


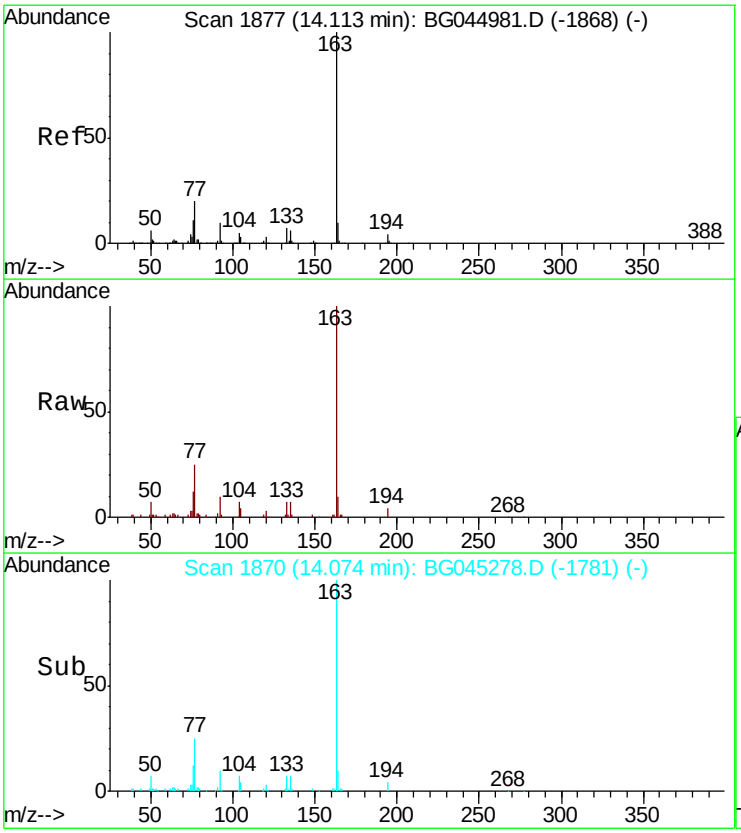
#45
2-Fluorobiphenyl
Concen: 104.831 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tgt Ion:172 Resp: 1175989

Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	46.0
170	24.4	20.5	30.7

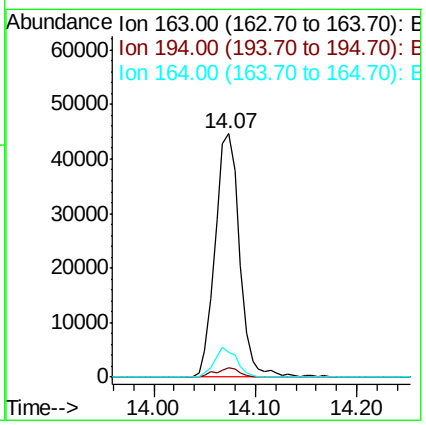


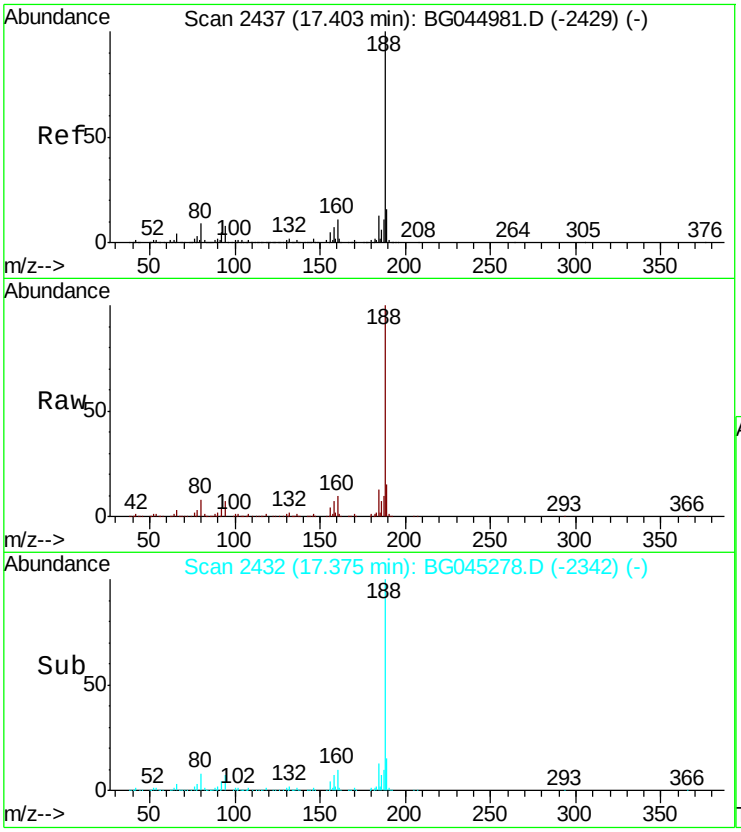


#50
Dimethylphthalate
Concen: 5.575 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Tgt Ion:163 Resp: 74672

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	10.1	8.2	12.4



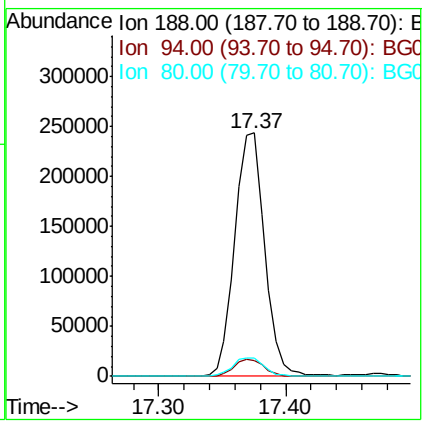


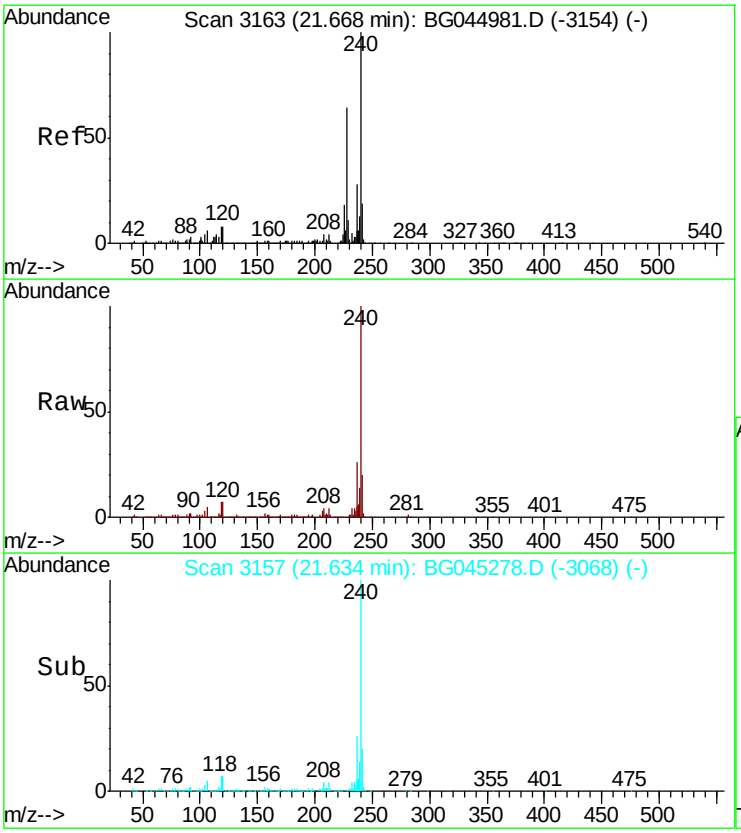
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tgt Ion:188 Resp: 397702

Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.2	9.4
80	7.6	7.0	10.6

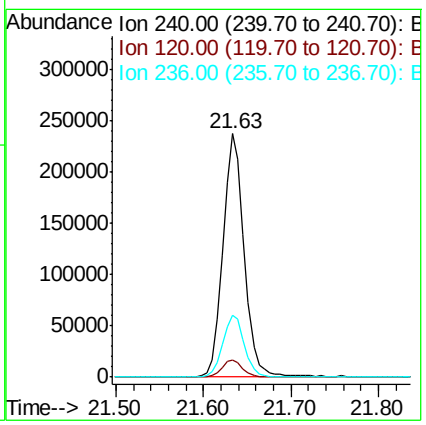


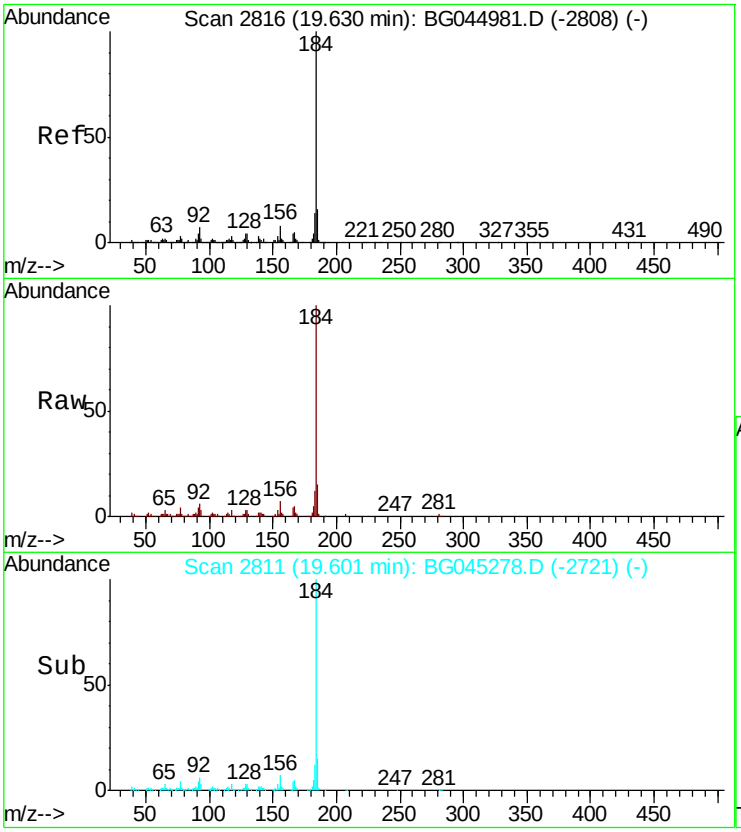


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Tgt Ion:240 Resp: 396722

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.6	10.0
236	25.5	22.2	33.2



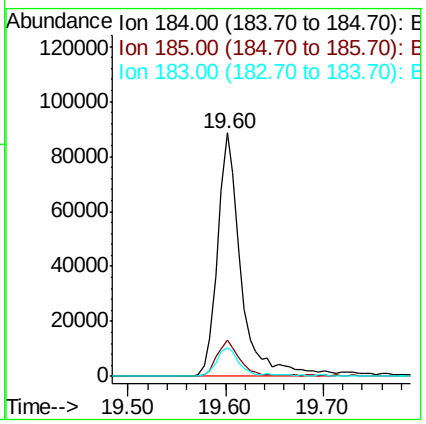


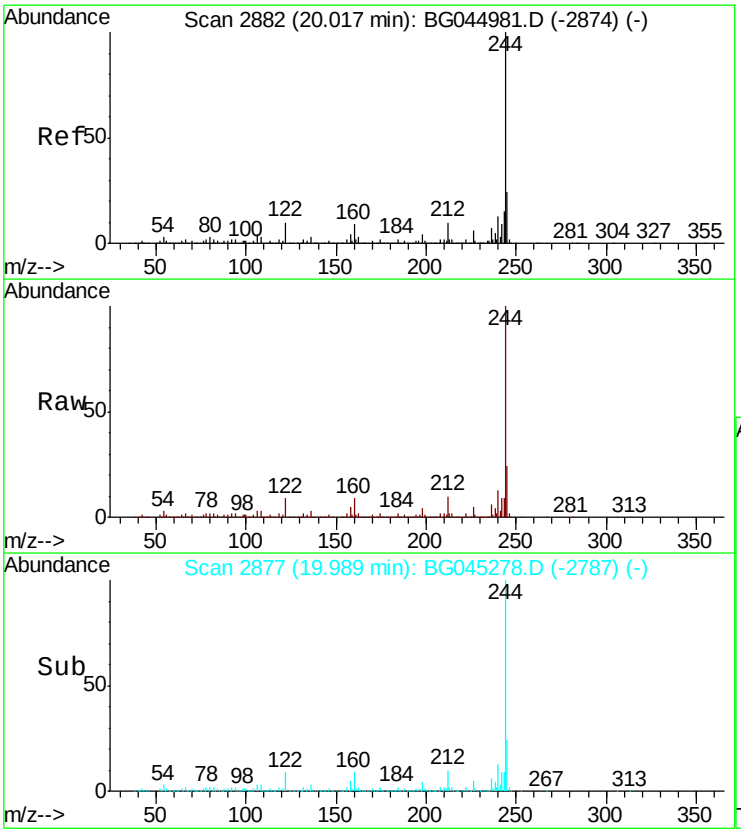
#77
Benzidine
Concen: 7.935 ng
RT: 19.60 min Scan# 2811
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tgt Ion:184 Resp: 147538

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.6	19.0
183	11.9	11.3	16.9

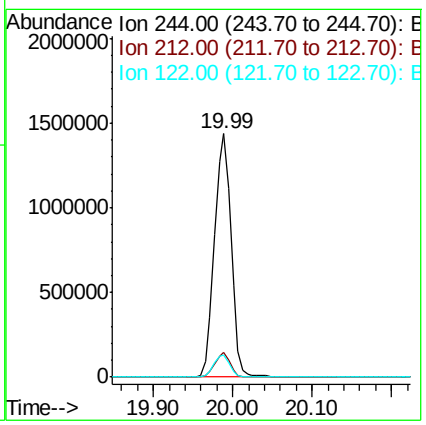


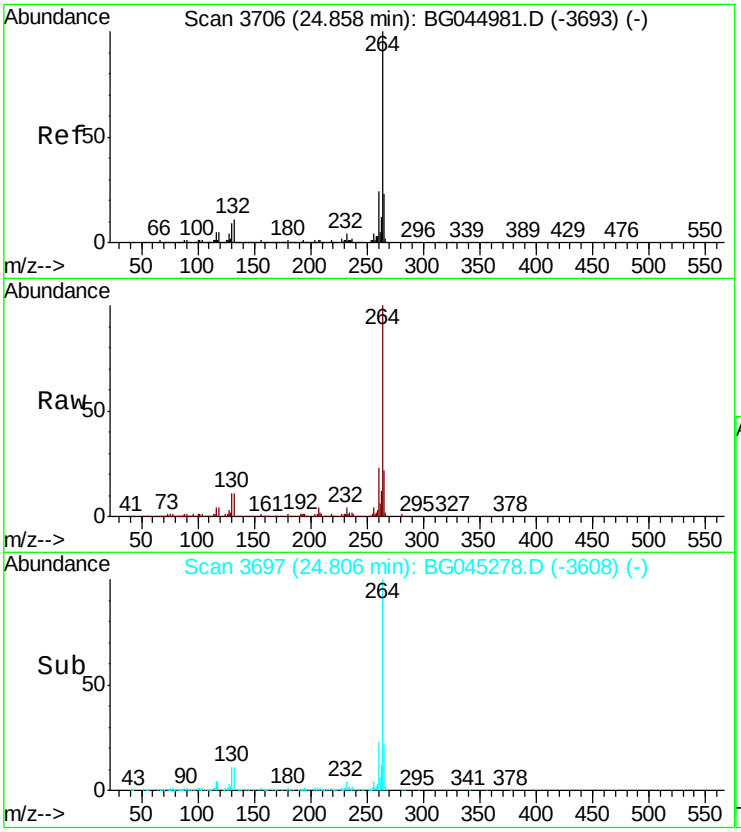


#79
Terphenyl-d14
Concen: 115.103 ng
RT: 19.99 min Scan# 2877
Delta R.T. -0.00 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Tgt Ion:244 Resp: 2095098

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.9	11.9
122	9.0	7.7	11.5





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.01 min
Lab File: BG045278.D
Acq: 7 May 2020 20:40

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tgt Ion:264 Resp: 419067

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.4	19.0	28.4