Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\
Data File : BM016472.D
Acq On : 18 Aug 2018 14:05
Operator : SJ/JU
Sample : J4521-24
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 72-11979

Quant Time: Aug 20 01:57:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 17 16:27:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	7740	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	29333	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	19460	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	56102	20.00	ng	-0.01
75) Chrysene-d12	21.57	240	90118	20.00	ng	-0.01
86) Perylene-d12	23.89	264	105682	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	64296	139.60	ng	0.00
7) Phenol-d6	7.22	99	69655	112.52	ng	-0.01
23) Nitrobenzene-d5	9.24	82	78157	110.97	ng	0.00
41) 2,4,6-Tribromophenol	16.19	330	62124	211.37	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	173657	92.79	ng	-0.01
78) Terphenyl-d14	20.03	244	662720	111.15	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.92	128	14368	9.658	ng	97
76) Benzidine	19.67	184	50964	25.695	ng	98

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

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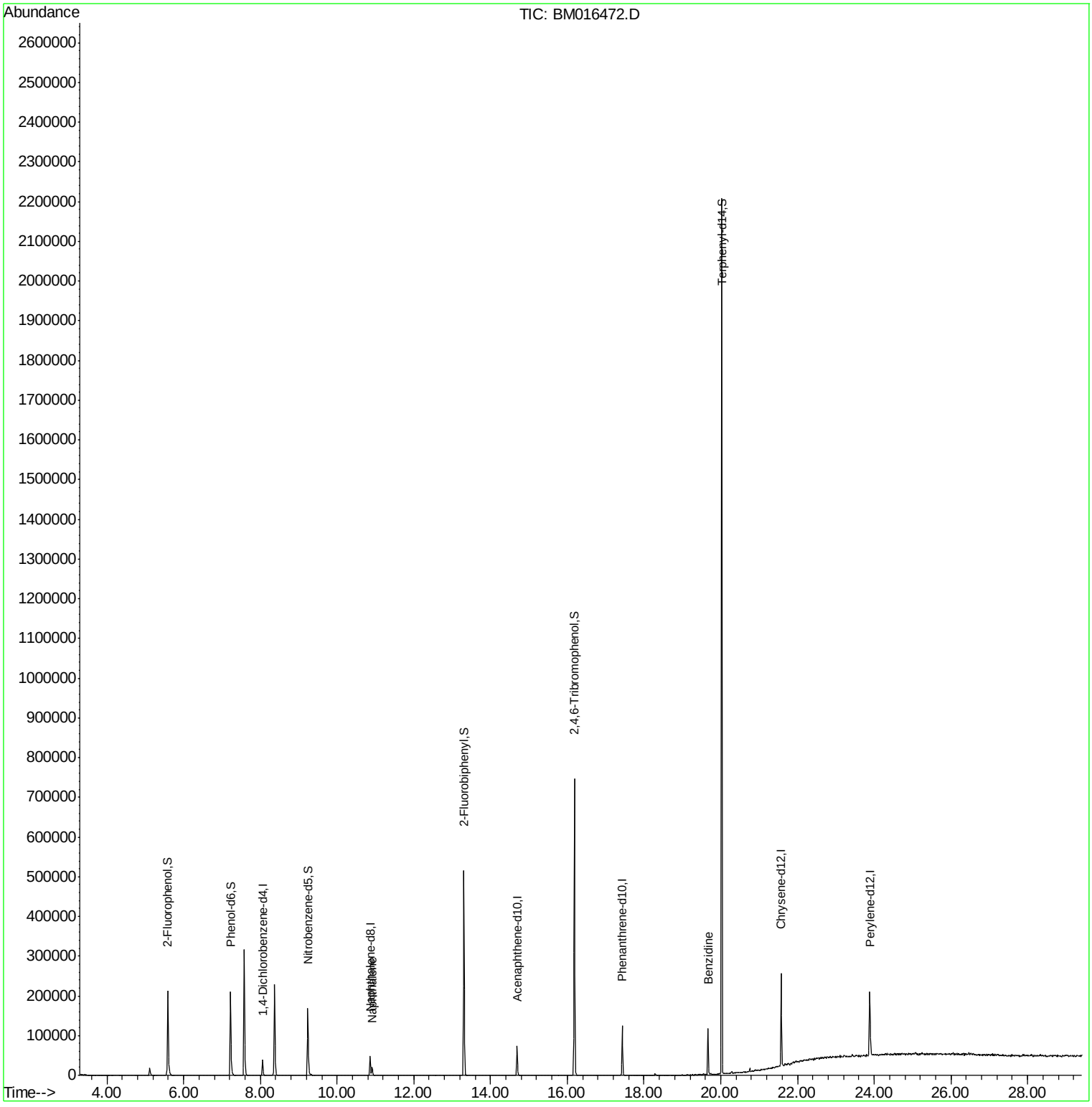
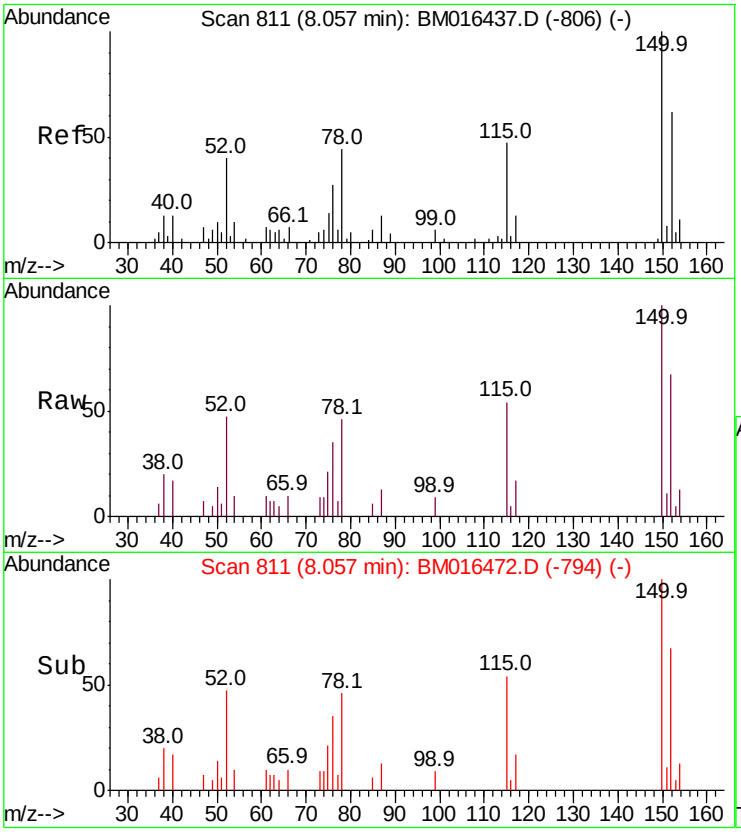


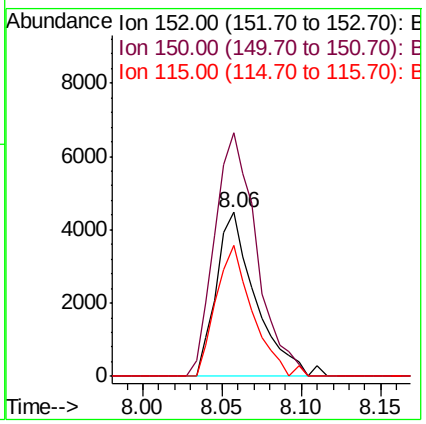


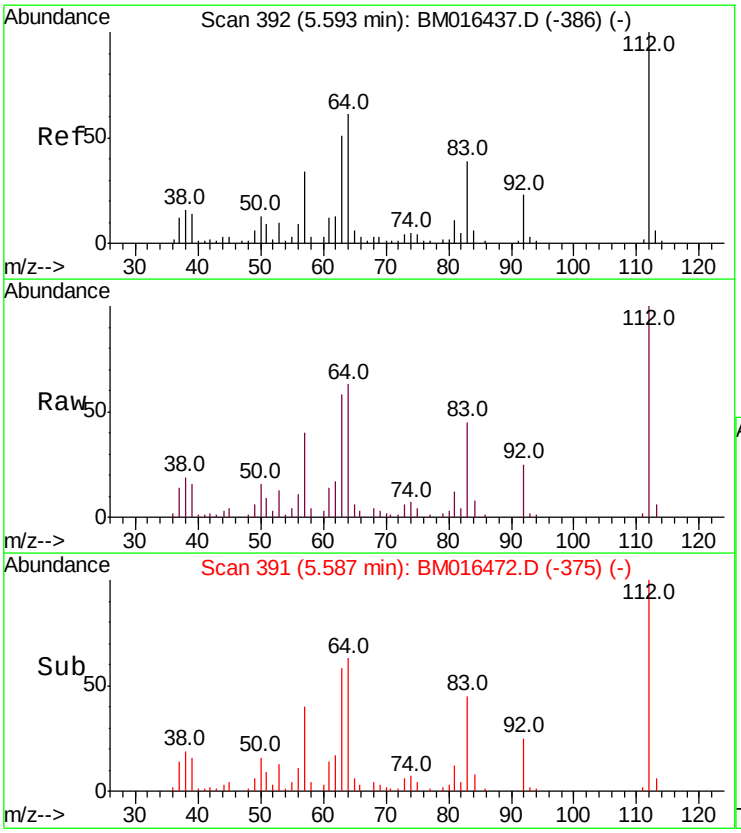
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 811
Delta R.T. -0.00 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Instrument :
BNA_M
ClientSampleId :
72-11979

Tgt Ion:152 Resp: 7740

Ion	Ratio	Lower	Upper
152	100		
150	148.4	119.5	179.3
115	79.8	43.0	64.4#

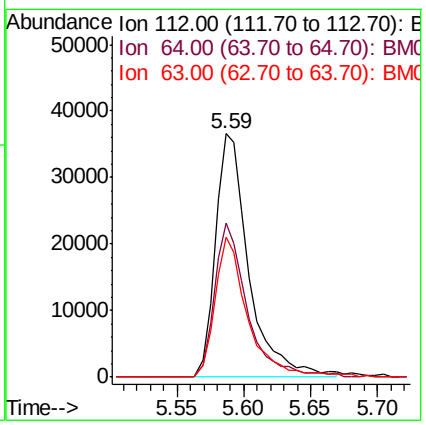


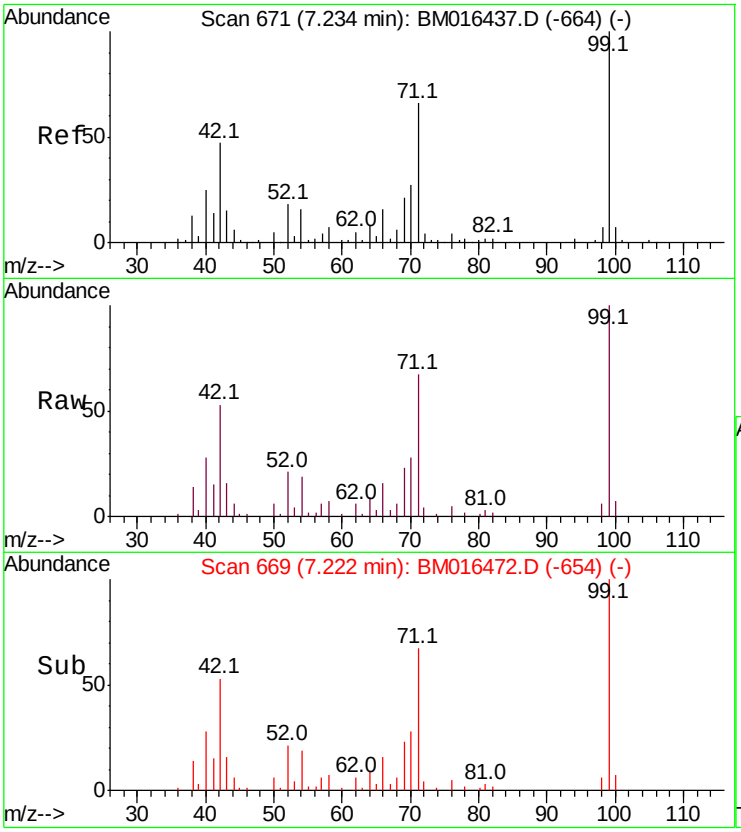


#5
2-Fluorophenol
Concen: N.D. ng
RT: 5.59 min Scan# 391
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Tgt Ion:112 Resp: 64296

Ion	Ratio	Lower	Upper
112	100		
64	63.1	38.6	57.8#
63	57.6	19.3	28.9#



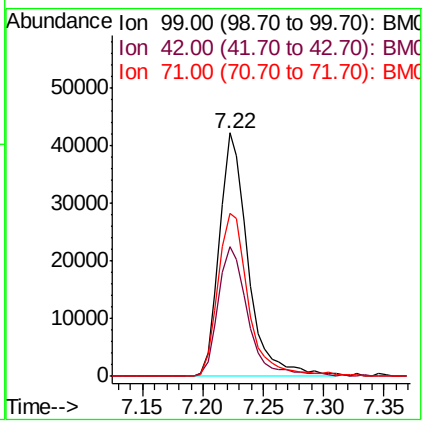


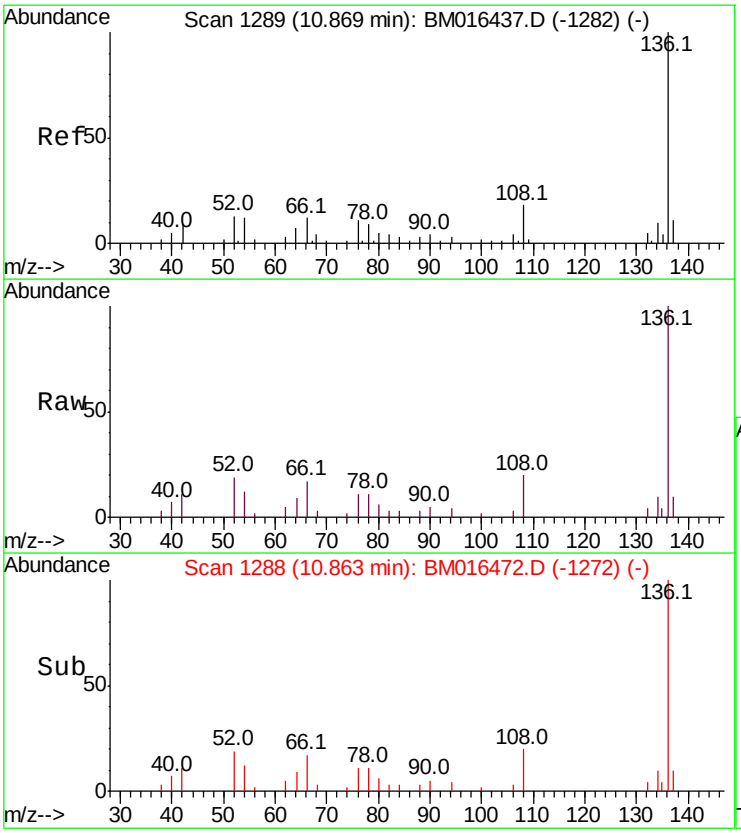
#7
Phenol-d6
Concen: N.D. ng
RT: 7.22 min Scan# 669
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Instrument :
BNA_M
ClientSampleId :
72-11979

Tgt Ion: 99 Resp: 69655

Ion	Ratio	Lower	Upper
99	100		
42	53.2	11.0	16.4#
71	67.0	23.4	35.2#

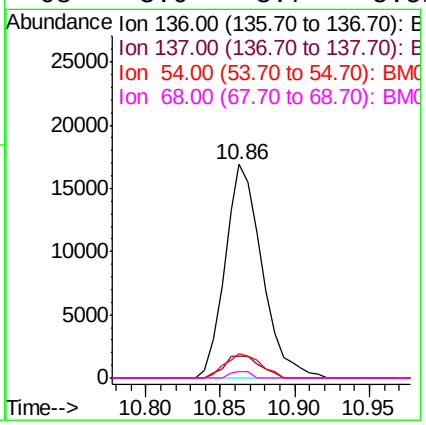


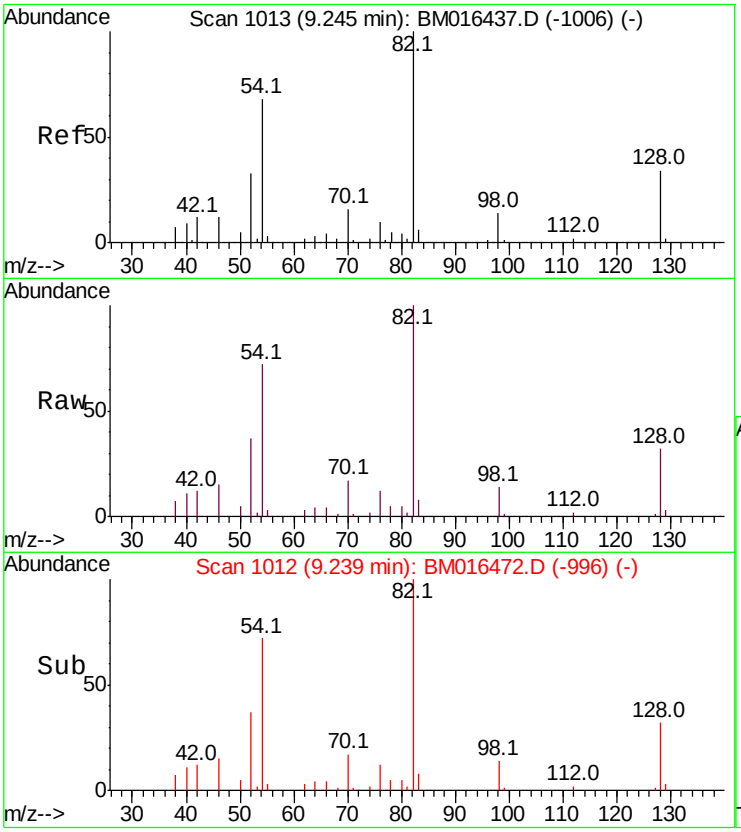


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Tgt Ion:136 Resp: 29333

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.7	13.1
54	11.6	4.6	6.8#
68	3.0	3.7	5.5#



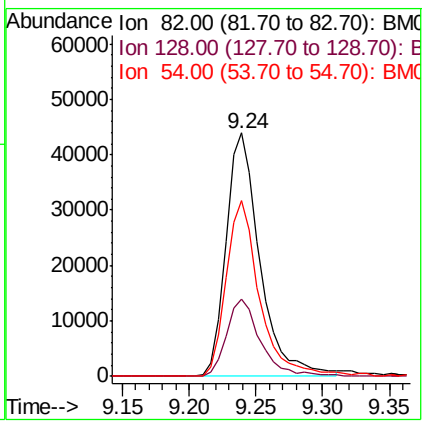


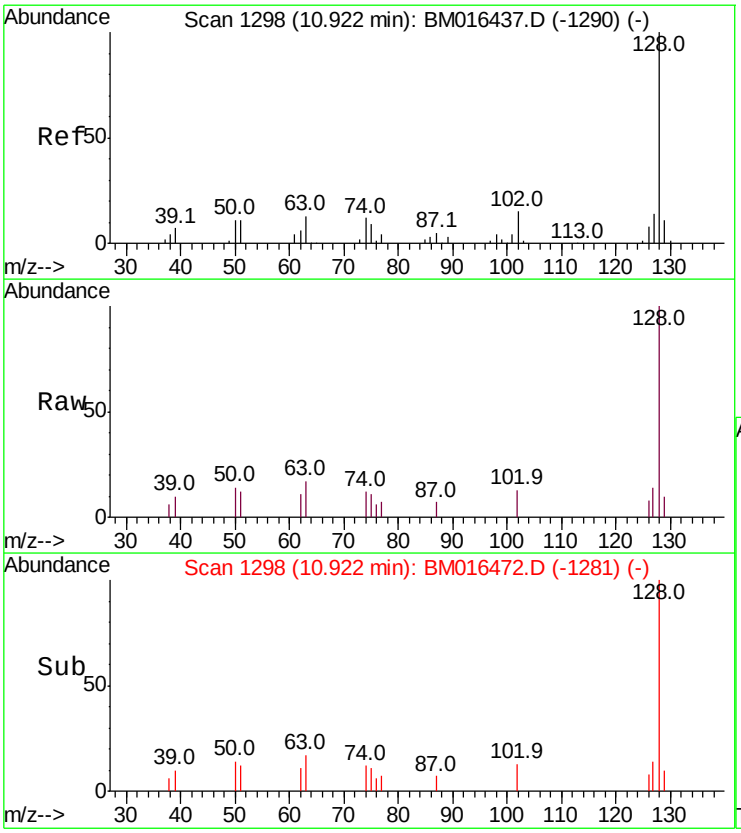
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Instrument :
BNA_M
ClientSampleId :
72-11979

Tgt Ion: 82 Resp: 78157

Ion	Ratio	Lower	Upper
82	100		
128	31.8	32.8	49.2#
54	72.3	40.6	60.8#

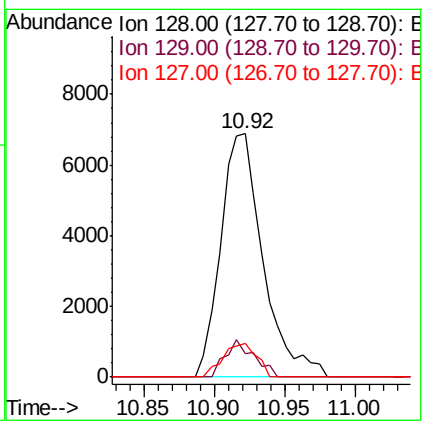


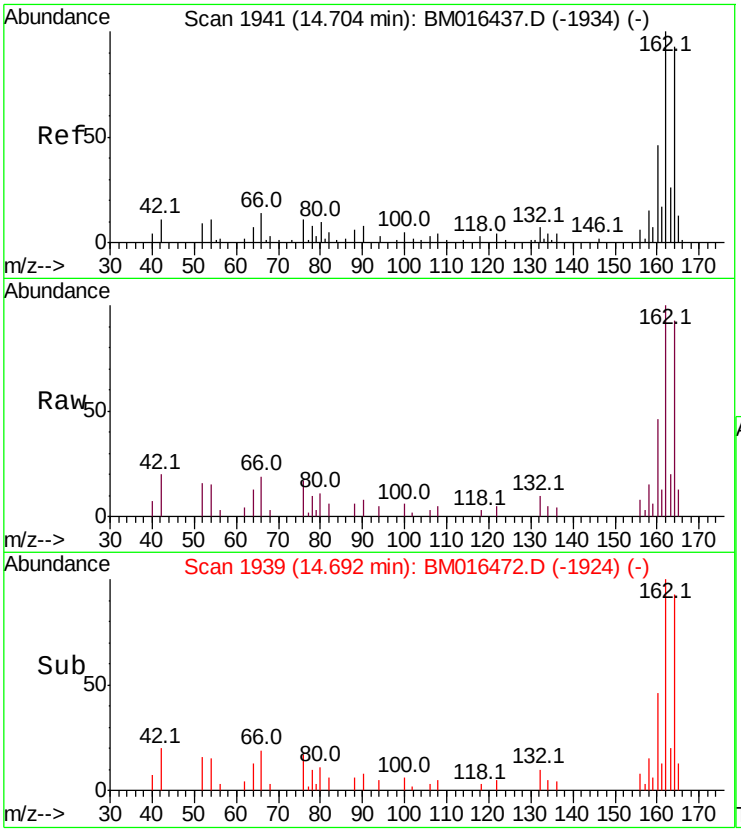


#31
Naphthalene
Concen: 9.658 ng
RT: 10.92 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Tgt Ion:128 Resp: 14368

Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.9	13.3
127	13.7	10.4	15.6



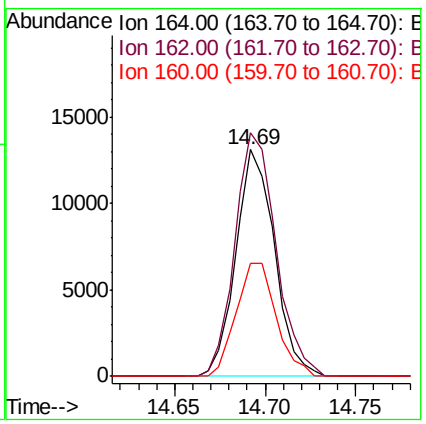


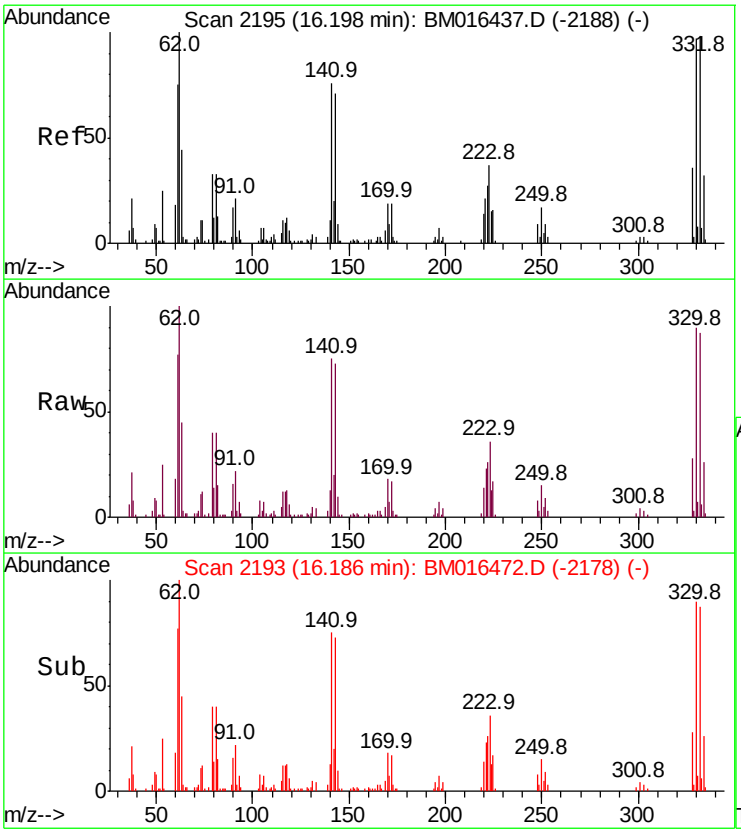
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Instrument :
BNA_M
ClientSampleId :
72-11979

Tgt Ion:164 Resp: 19460

Ion	Ratio	Lower	Upper
164	100		
162	107.5	82.4	123.6
160	49.8	35.8	53.6

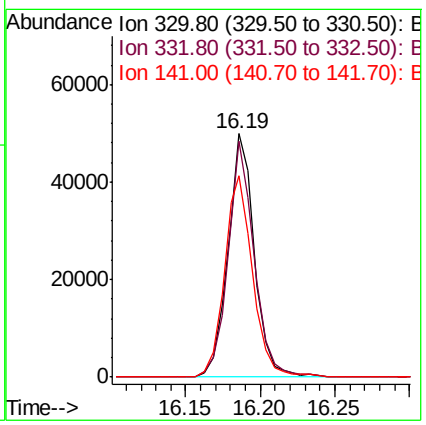


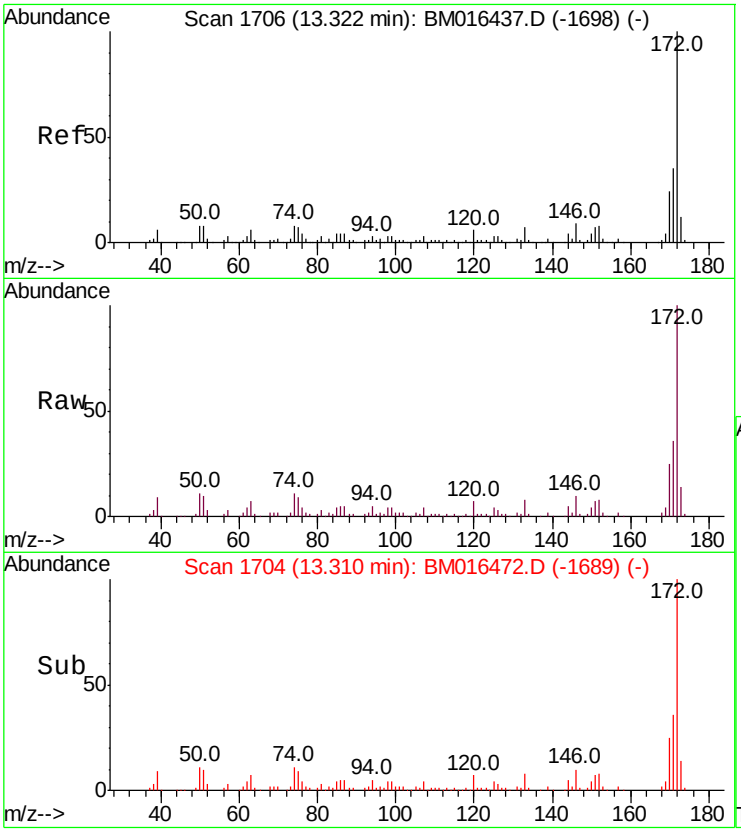


#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.19 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Tgt Ion:330 Resp: 62124

Ion	Ratio	Lower	Upper
330	100		
332	95.4	0.0	0.0#
141	87.8	0.0	0.0#



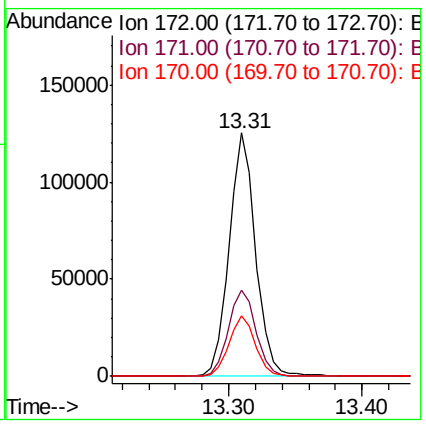


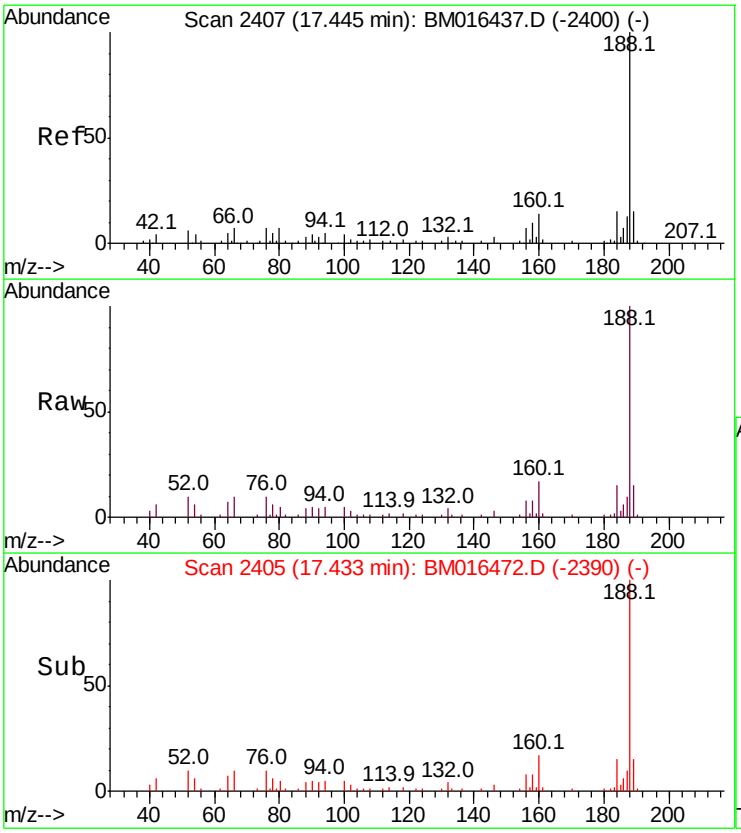
#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.31 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Instrument :
BNA_M
ClientSampleId :
72-11979

Tgt Ion:172 Resp: 173657

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	25.1	18.8	28.2

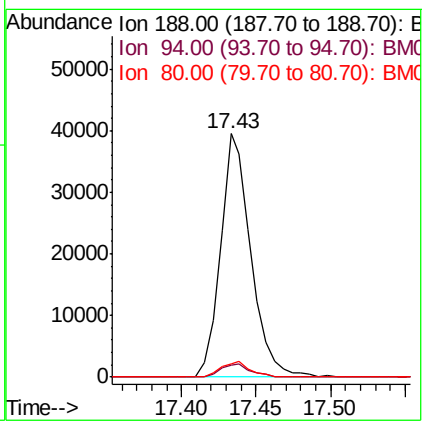


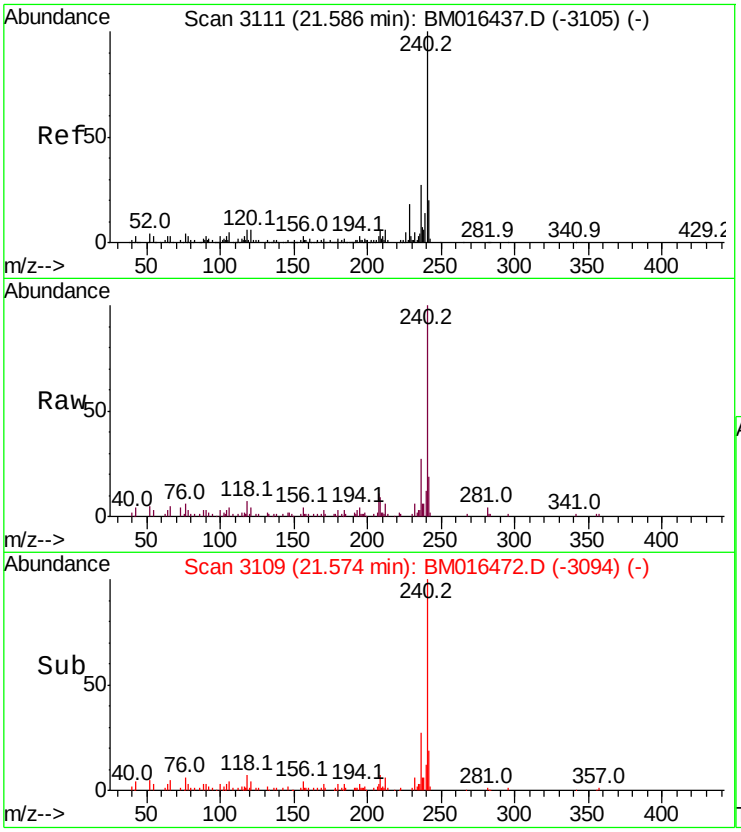


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Tgt Ion:188 Resp: 56102

Ion	Ratio	Lower	Upper
188	100		
94	5.1	8.7	13.1#
80	5.5	9.3	13.9#



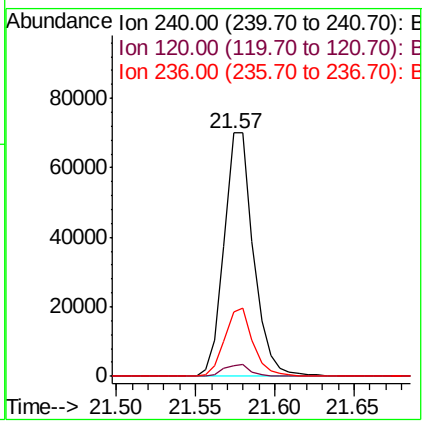


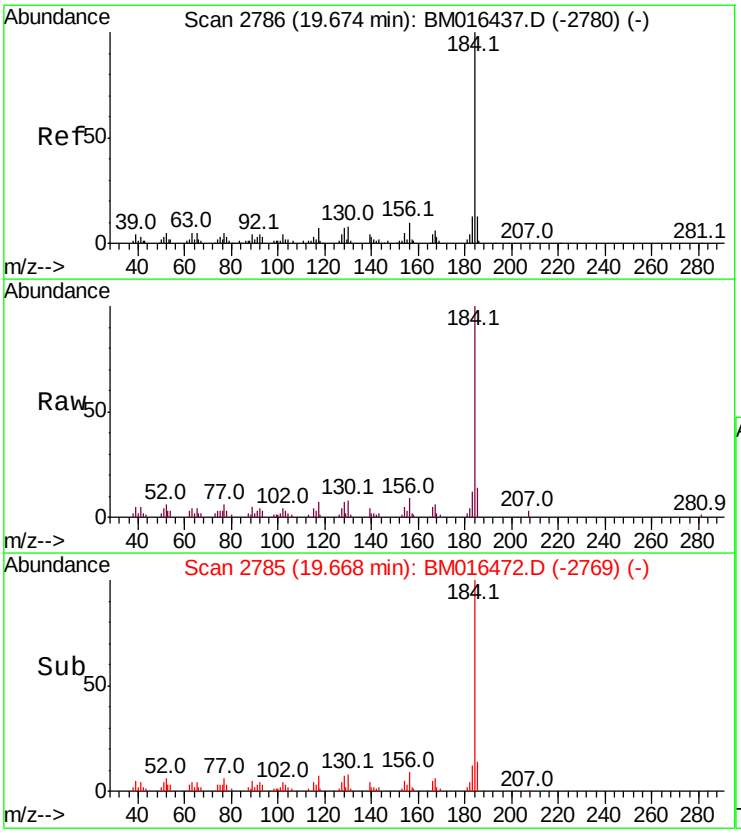
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Instrument :
BNA_M
ClientSampleId :
72-11979

Tgt Ion:240 Resp: 90118

Ion	Ratio	Lower	Upper
240	100		
120	4.2	8.2	12.2#
236	26.7	20.0	30.0

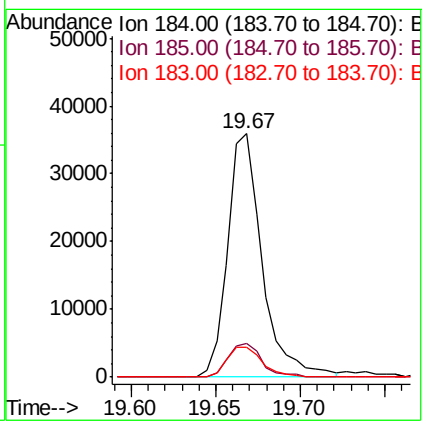


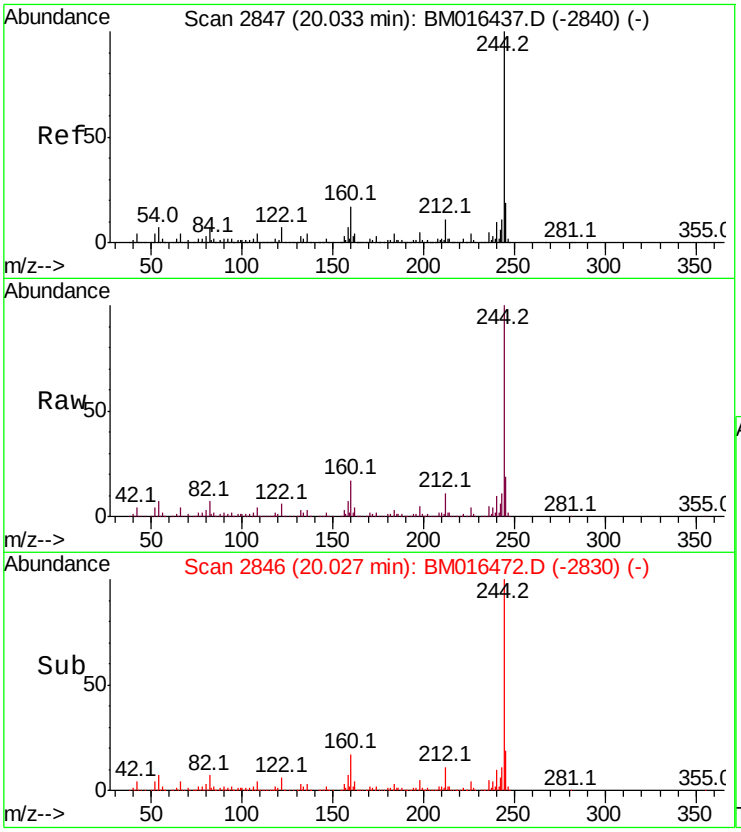


#76
Benzidine
Concen: 25.695 ng
RT: 19.67 min Scan# 2785
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Tgt Ion:184 Resp: 50964

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	12.4	8.9	13.3



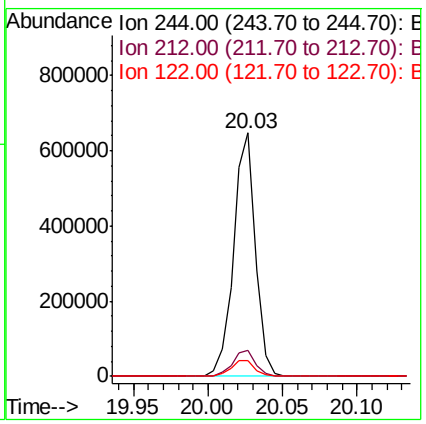


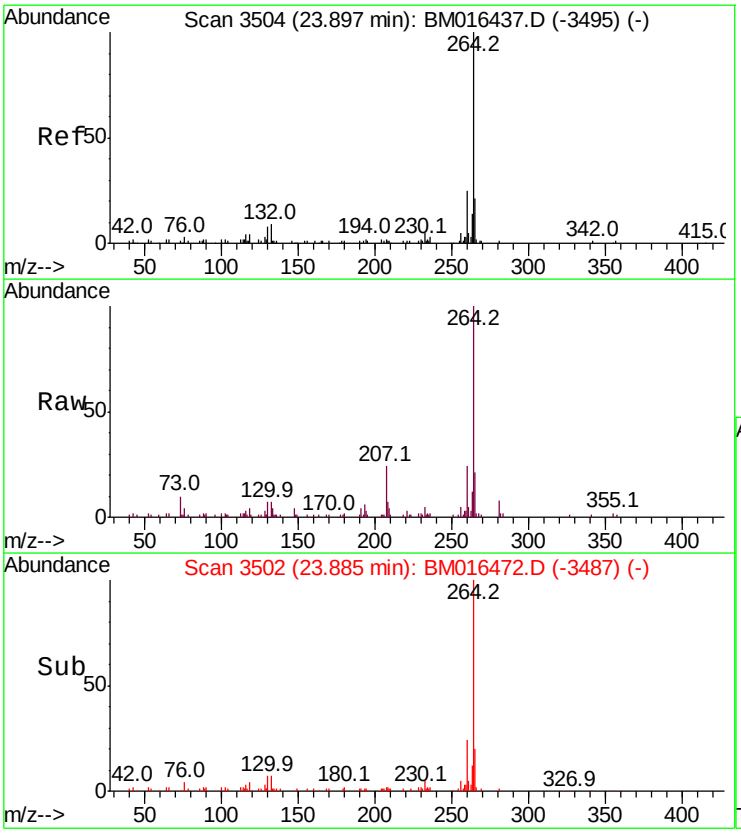
#78
Terphenyl-d14
Concen: N.D. ng
RT: 20.03 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Instrument :
BNA_M
ClientSampleId :
72-11979

Tgt Ion:244 Resp: 662720

Ion	Ratio	Lower	Upper
244	100		
212	10.5	4.9	7.3#
122	6.2	6.2	9.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.89 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BM016472.D
Acq: 18 Aug 2018 14:05

Tgt Ion:264 Resp: 105682

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.4	17.3	25.9