Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\
Data File : BM016474.D
Acq On : 18 Aug 2018 15:18
Operator : SJ/JU
Sample : J4521-27
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 72-11988

Quant Time: Aug 20 01:59:54 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	8.05	152	9598	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	36035	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	22379	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	59066	20.00	ng	-0.01
75) Chrysene-d12	21.58	240	85543	20.00	ng	0.00
86) Perylene-d12	23.88	264	99816	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	79648	139.46	ng	0.00
7) Phenol-d6	7.22	99	90269	117.59	ng	-0.01
23) Nitrobenzene-d5	9.24	82	95495	110.37	ng	0.00
41) 2,4,6-Tribromophenol	16.19	330	63022	186.45	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	228545	106.19	ng	-0.01
78) Terphenyl-d14	20.03	244	673006	118.91	ng	0.00
Target Compounds						Qvalue
76) Benzidine	19.67	184	15755	8.368	ng	# 96

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

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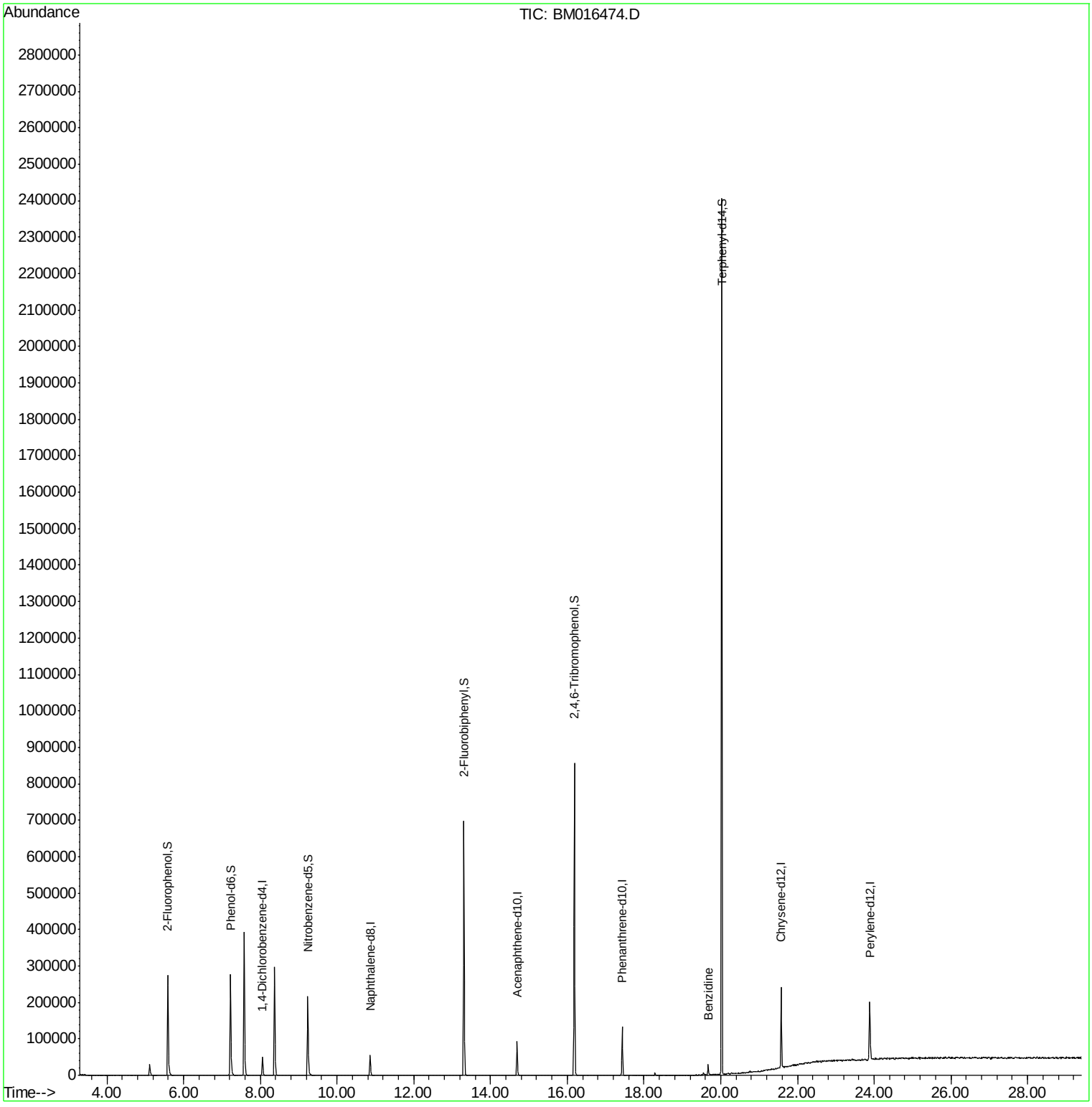
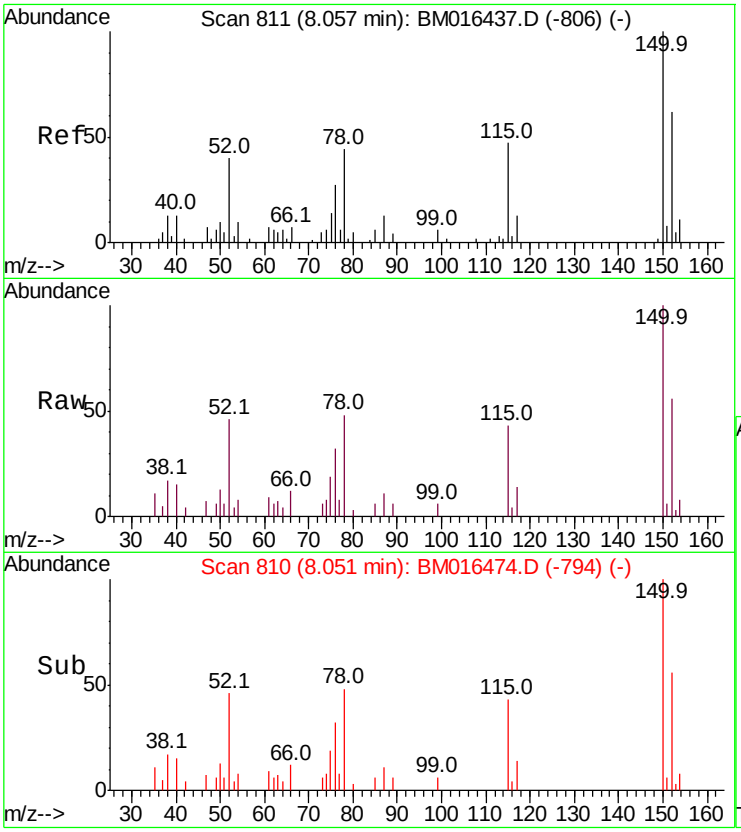


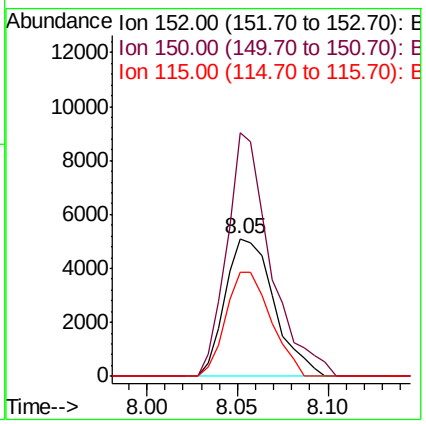


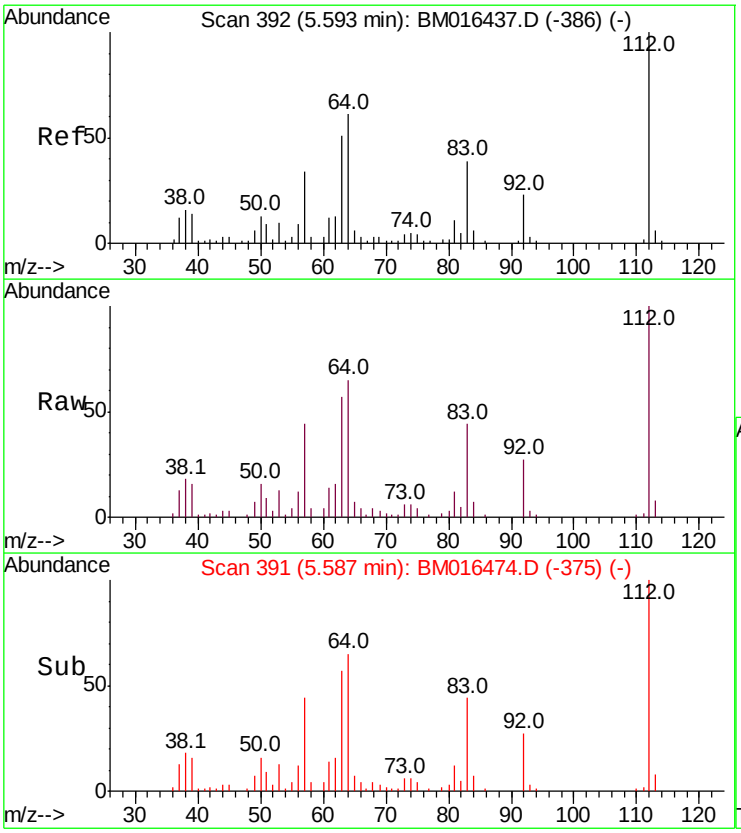
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Instrument :
BNA_M
ClientSampleId :
72-11988

Tgt Ion:152 Resp: 9598

Ion	Ratio	Lower	Upper
152	100		
150	177.2	119.5	179.3
115	75.8	43.0	64.4#

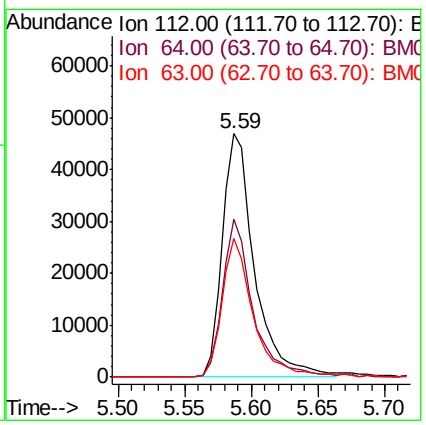


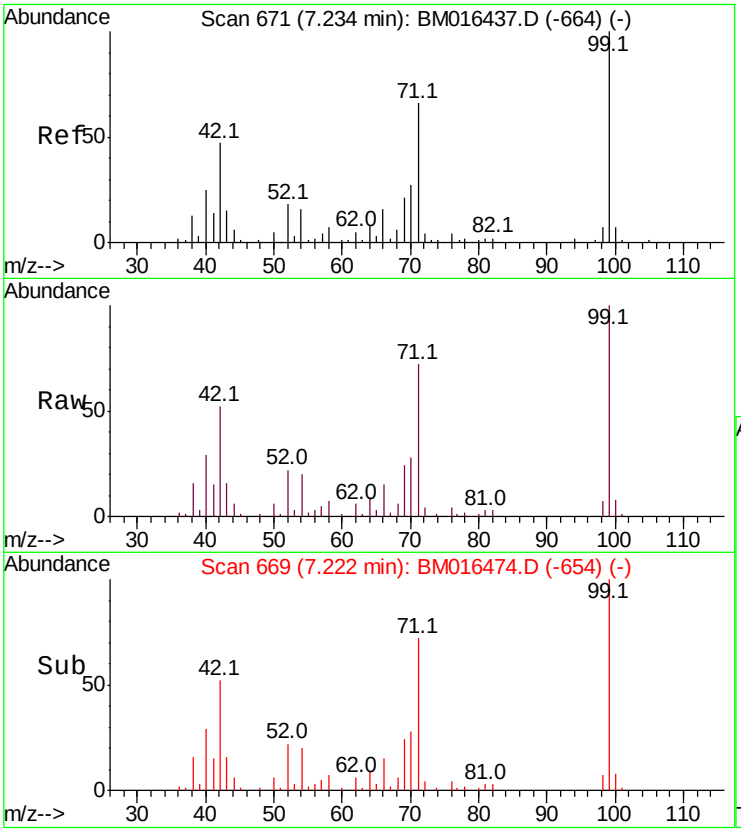


#5
2-Fluorophenol
Concen: N.D. ng
RT: 5.59 min Scan# 391
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Tgt Ion:112 Resp: 79648

Ion	Ratio	Lower	Upper
112	100		
64	64.7	38.6	57.8#
63	56.8	19.3	28.9#



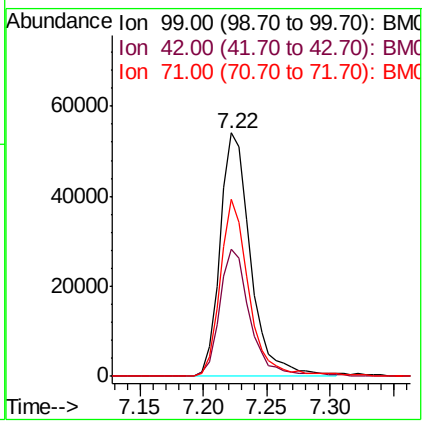


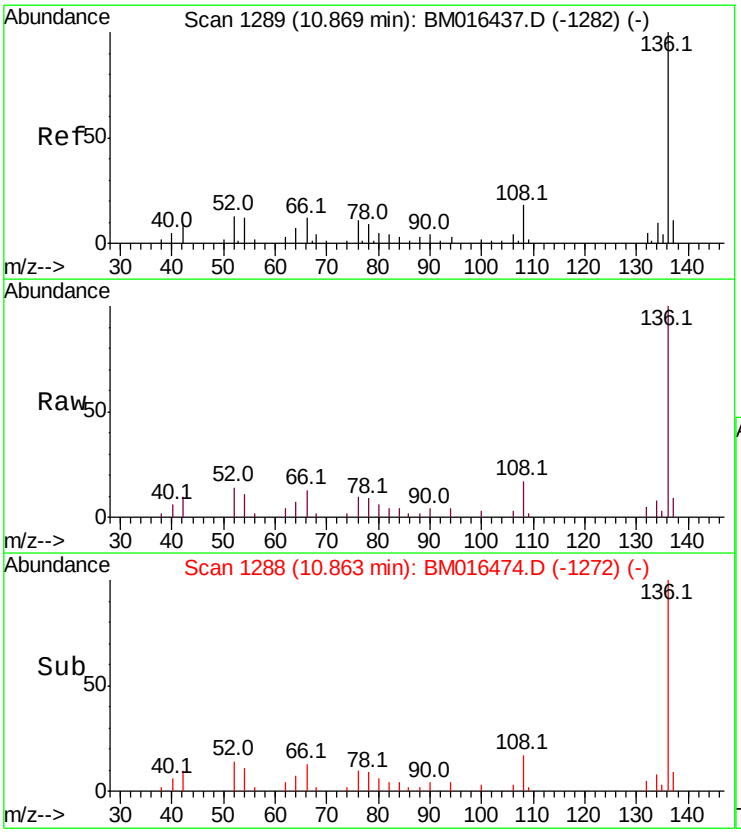
#7
Phenol-d6
Concen: N.D. ng
RT: 7.22 min Scan# 669
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Instrument :
BNA_M
ClientSampleId :
72-11988

Tgt Ion: 99 Resp: 90269

Ion	Ratio	Lower	Upper
99	100		
42	52.3	11.0	16.4#
71	72.5	23.4	35.2#

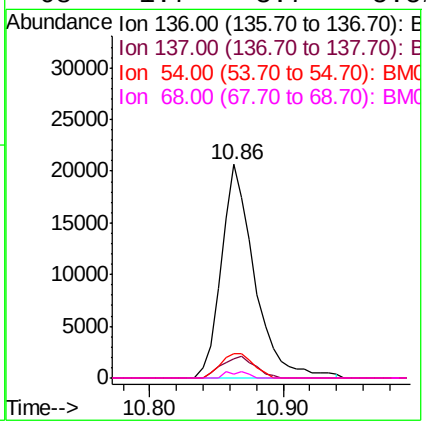


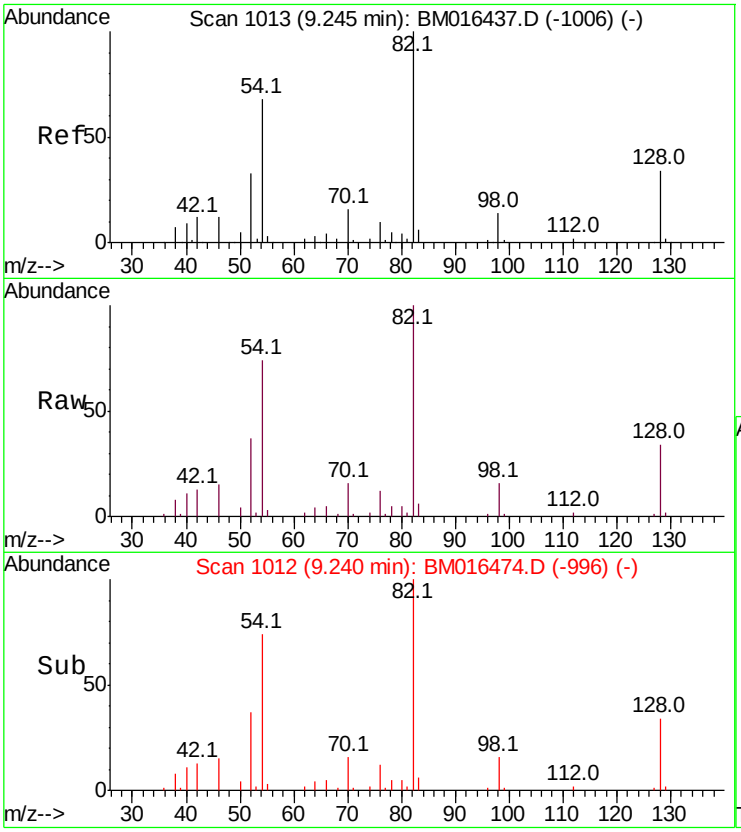


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Tgt Ion:136 Resp: 36035

Ion	Ratio	Lower	Upper
136	100		
137	8.9	8.7	13.1
54	11.5	4.6	6.8#
68	1.7	3.7	5.5#



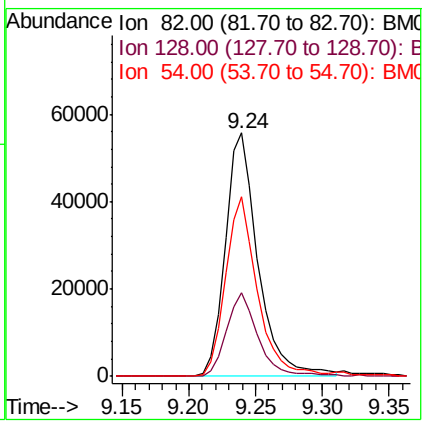


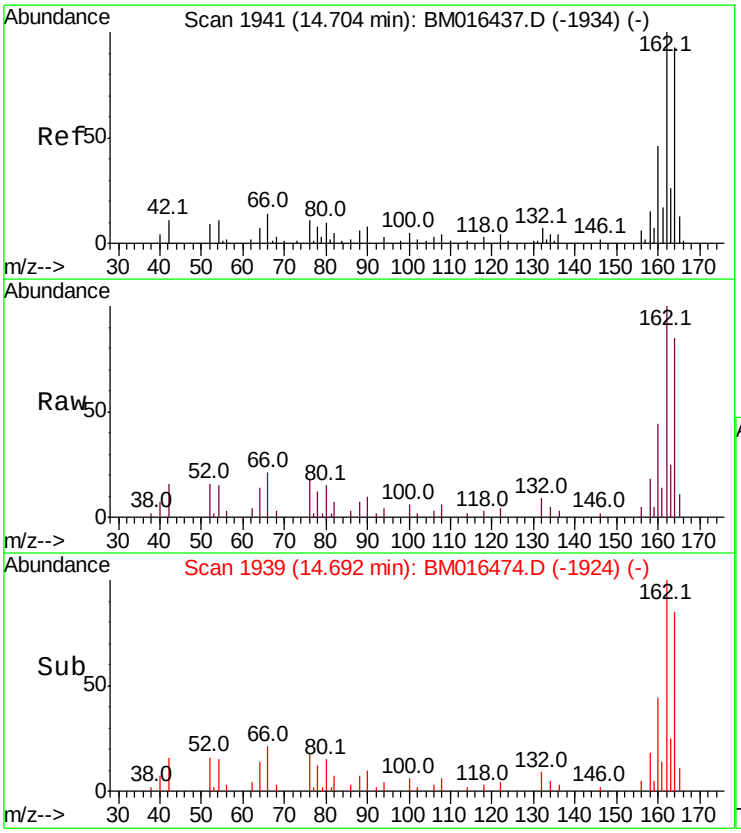
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Instrument :
BNA_M
ClientSampleId :
72-11988

Tgt Ion: 82 Resp: 95495

Ion	Ratio	Lower	Upper
82	100		
128	34.2	32.8	49.2
54	73.9	40.6	60.8#

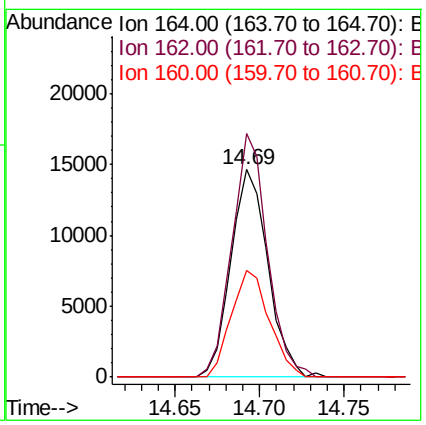


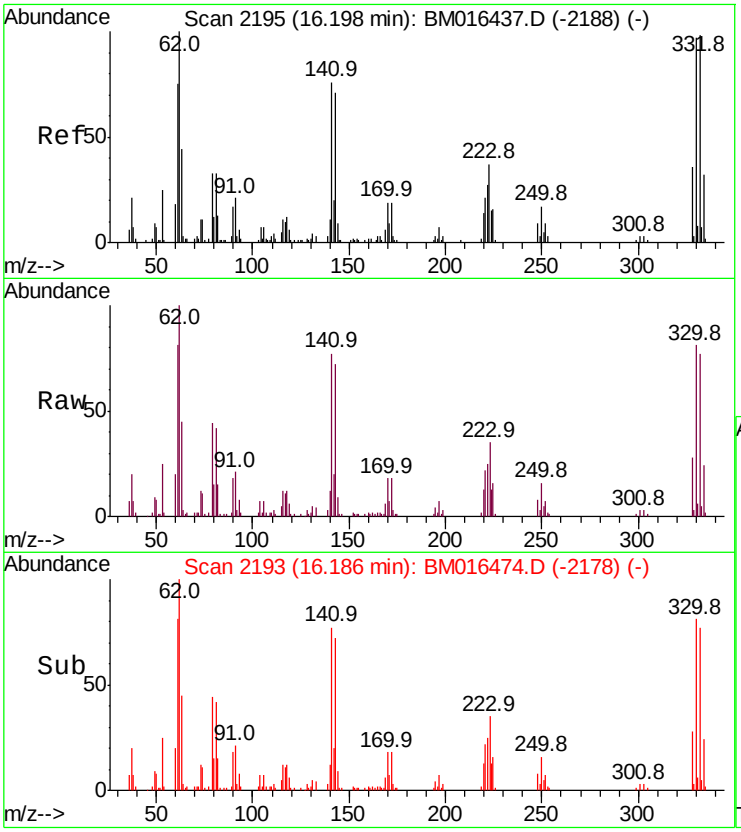


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Tgt Ion:164 Resp: 22379

Ion	Ratio	Lower	Upper
164	100		
162	117.2	82.4	123.6
160	51.5	35.8	53.6



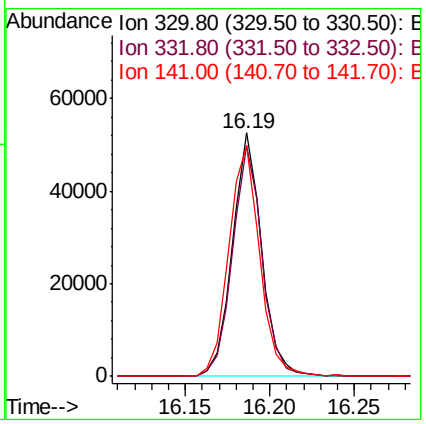


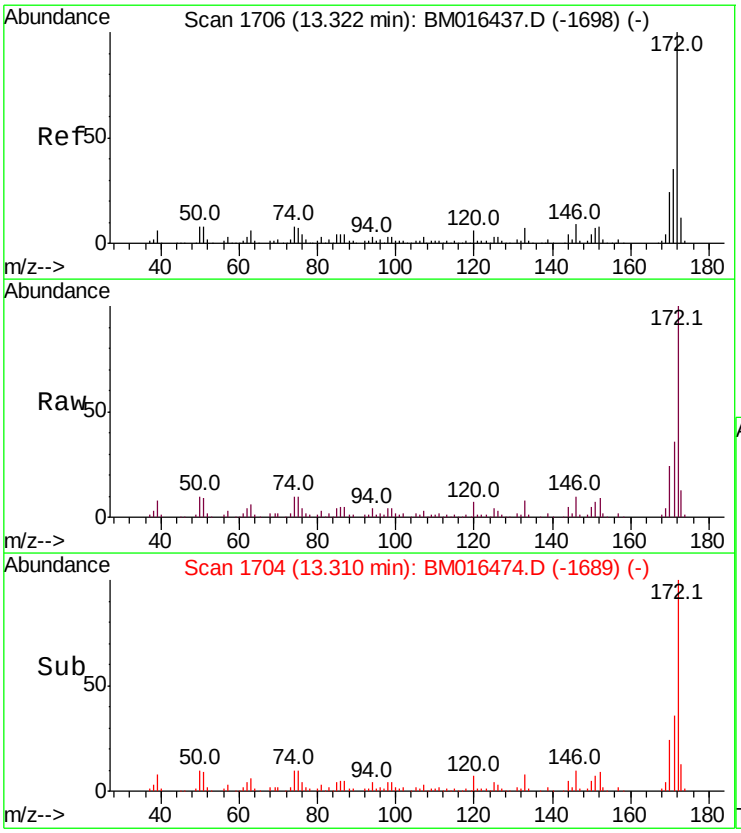
#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.19 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Instrument :
BNA_M
ClientSampleId :
72-11988

Tgt Ion:330 Resp: 63022

Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	100.5	0.0	0.0#

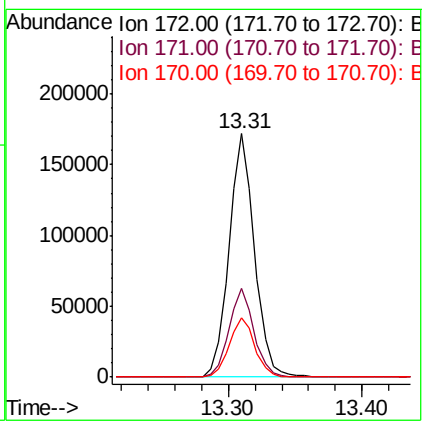


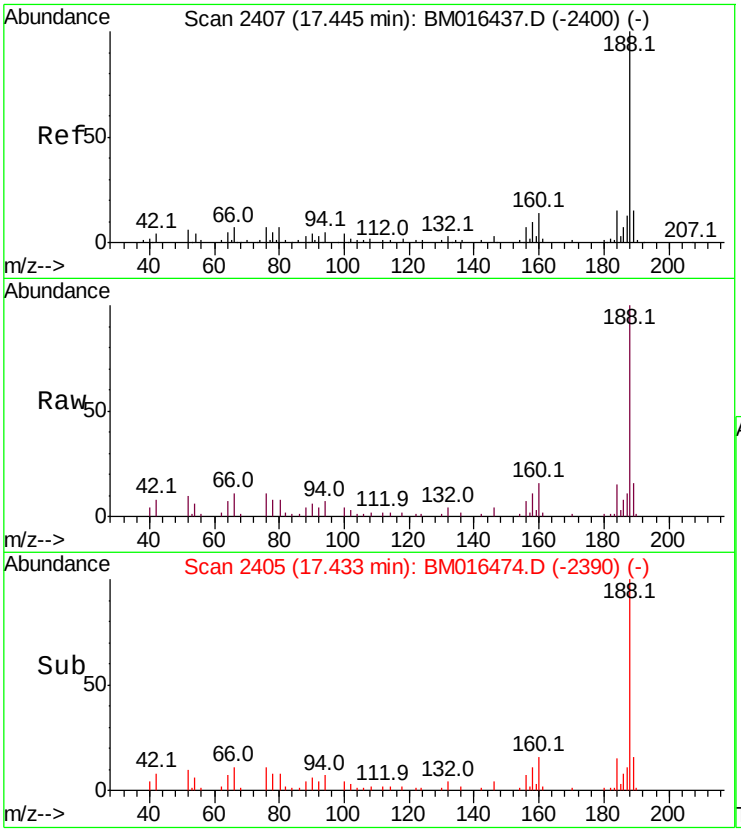


#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.31 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Tgt Ion:172 Resp: 228545

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.5	42.7
170	24.2	18.8	28.2



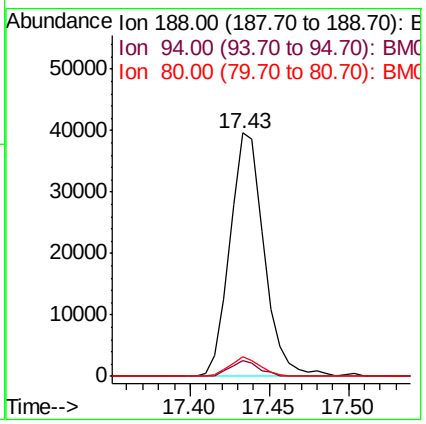


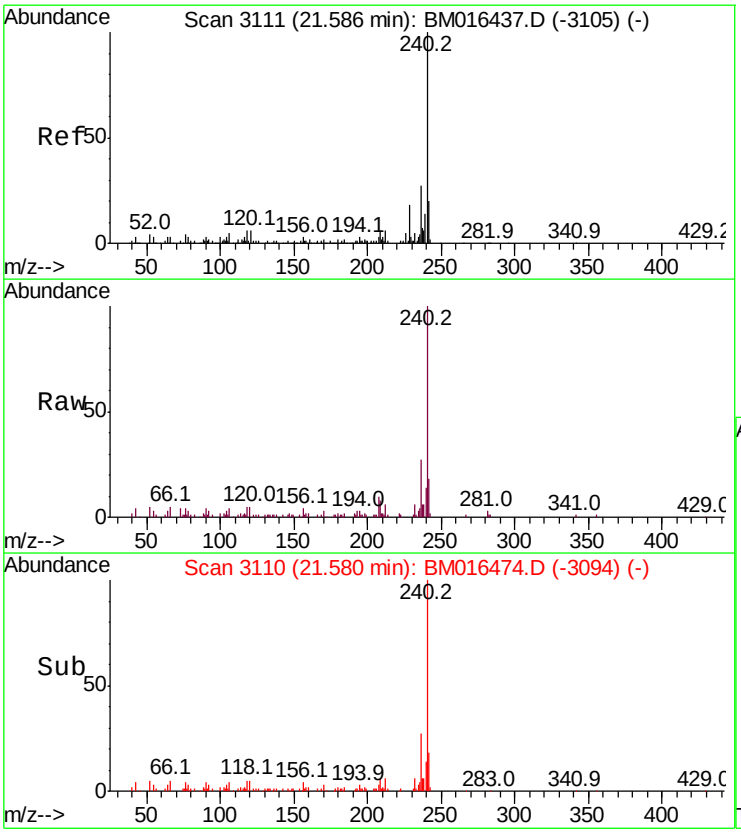
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Instrument :
BNA_M
ClientSampleId :
72-11988

Tgt Ion:188 Resp: 59066

Ion	Ratio	Lower	Upper
188	100		
94	6.7	8.7	13.1#
80	8.0	9.3	13.9#

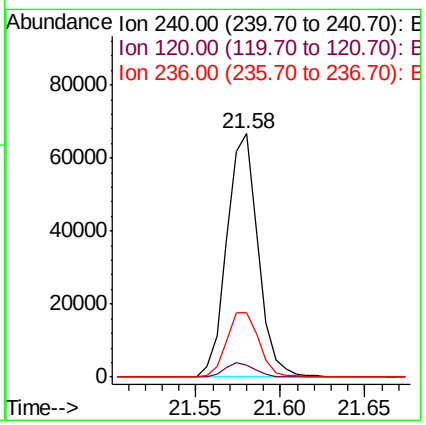


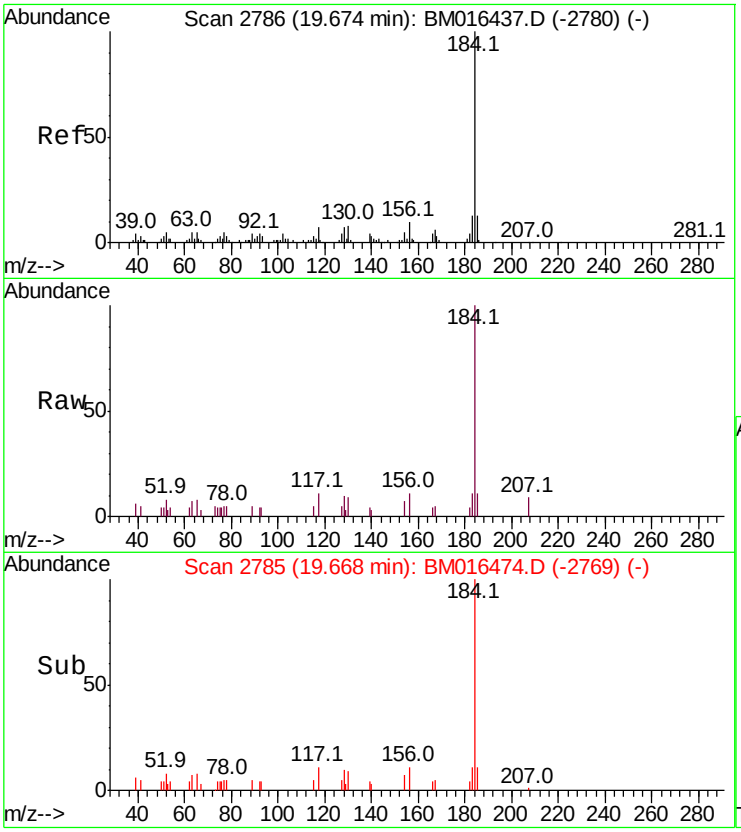


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Tgt Ion:240 Resp: 85543

Ion	Ratio	Lower	Upper
240	100		
120	5.1	8.2	12.2#
236	26.6	20.0	30.0



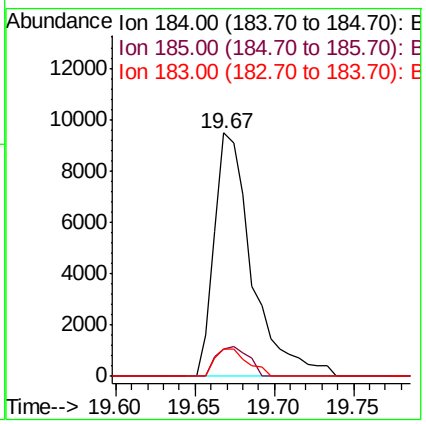


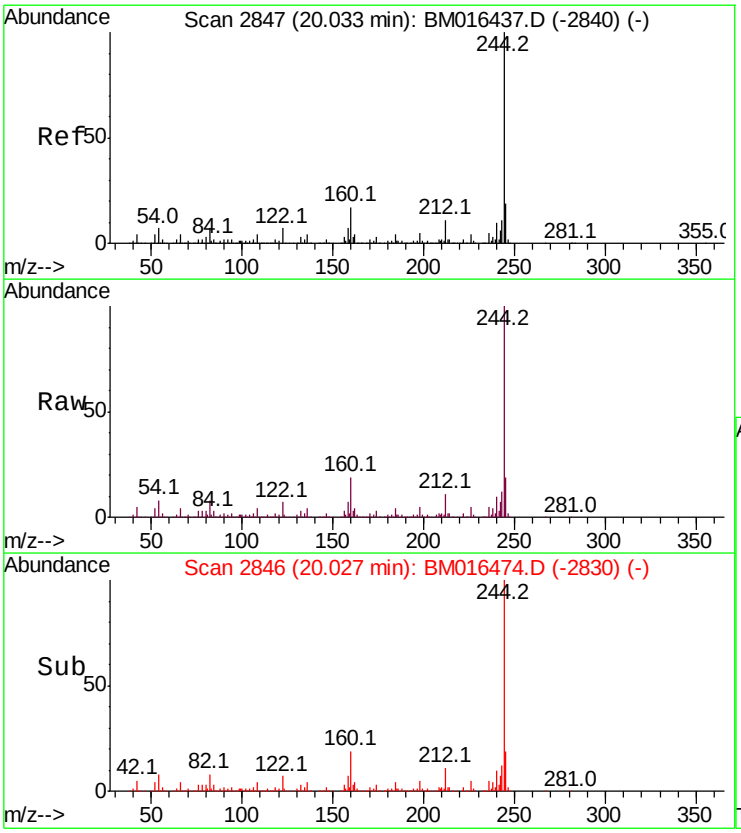
#76
Benzidine
Concen: 8.368 ng
RT: 19.67 min Scan# 2785
Delta R.T. -0.01 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Instrument :
BNA_M
ClientSampleId :
72-11988

Tgt Ion:184 Resp: 15755

Ion	Ratio	Lower	Upper
184	100		
185	11.1	11.3	16.9#
183	11.4	8.9	13.3

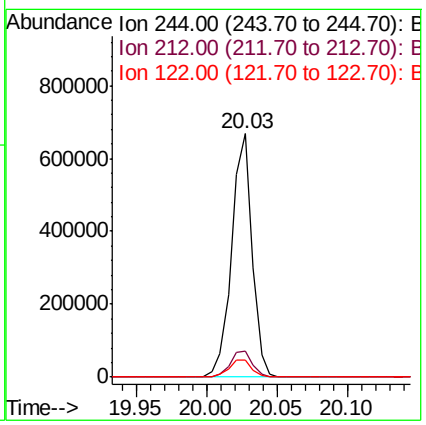


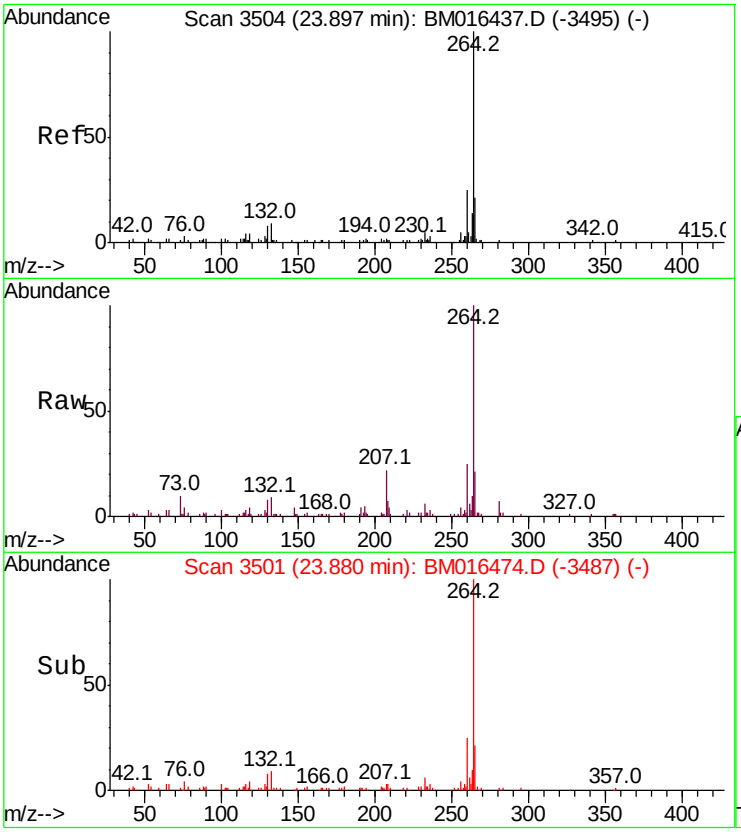


#78
Terphenyl-d14
Concen: N.D. ng
RT: 20.03 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Tgt Ion:244 Resp: 673006

Ion	Ratio	Lower	Upper
244	100		
212	10.8	4.9	7.3#
122	6.9	6.2	9.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.88 min Scan# 3501
Delta R.T. -0.02 min
Lab File: BM016474.D
Acq: 18 Aug 2018 15:18

Instrument :
BNA_M
ClientSampleId :
72-11988

Tgt Ion:264 Resp: 99816

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	27.8
265	20.7	17.3	25.9