Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010972.D
Acq On : 26 Jul 2017 16:00
Operator : SJ/JU
Sample : I4351-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0535

Quant Time: Jul 26 17:02:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 17:01:37 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	253924	20.00	ng		0.00
21) Naphthalene-d8	10.15	136	1037235	20.00	ng		0.00
38) Acenaphthene-d10	14.05	164	705368	20.00	ng		0.00
63) Phenanthrene-d10	16.81	188	1716839	20.00	ng		0.00
75) Chrysene-d12	21.03	240	1820543	20.00	ng		0.00
86) Perylene-d12	23.14	264	1318822	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.03	112	2151615	143.24	ng		0.00
7) Phenol-d6	6.60	99	3041434	142.51	ng		0.00
23) Nitrobenzene-d5	8.55	82	2340899	84.70	ng		0.00
41) 2,4,6-Tribromophenol	15.56	330	1618797	143.19	ng		0.00
44) 2-Fluorobiphenyl	12.66	172	4967722	88.33	ng		0.00
78) Terphenyl-d14	19.47	244	8088607	88.01	ng		0.00
Target Compounds							Qvalue
8) 2-Chlorophenol	6.97	128	2733992	179.273	ng		85
10) Phenol	6.63	94	2507825	108.184	ng		97
17) 2-Methylphenol	7.85	107	2040466	137.726	ng	#	81
20) 3+4-Methylphenols	8.17	107	3051683	148.179	ng		85
27) 2,4-Dimethylphenol	9.36	122	831354	51.827	ng	#	73
29) 2,4-Dichlorophenol	9.81	162	822434	45.627	ng		91
36) 4-Chloro-3-methylphenol	11.46	107	1466382	63.003	ng	#	75
42) 2,4,6-Trichlorophenol	12.47	196	1988193	108.392	ng		99
43) 2,4,5-Trichlorophenol	12.53	196	3341592	176.880	ng	#	87
55) 4-Nitrophenol	14.30	139	862452	92.707	ng		98
64) 4,6-Dinitro-2-methylphenol	15.20	198	666480	57.343	ng		87
69) Pentachlorophenol	16.46	266	1374669	86.820	ng		98

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

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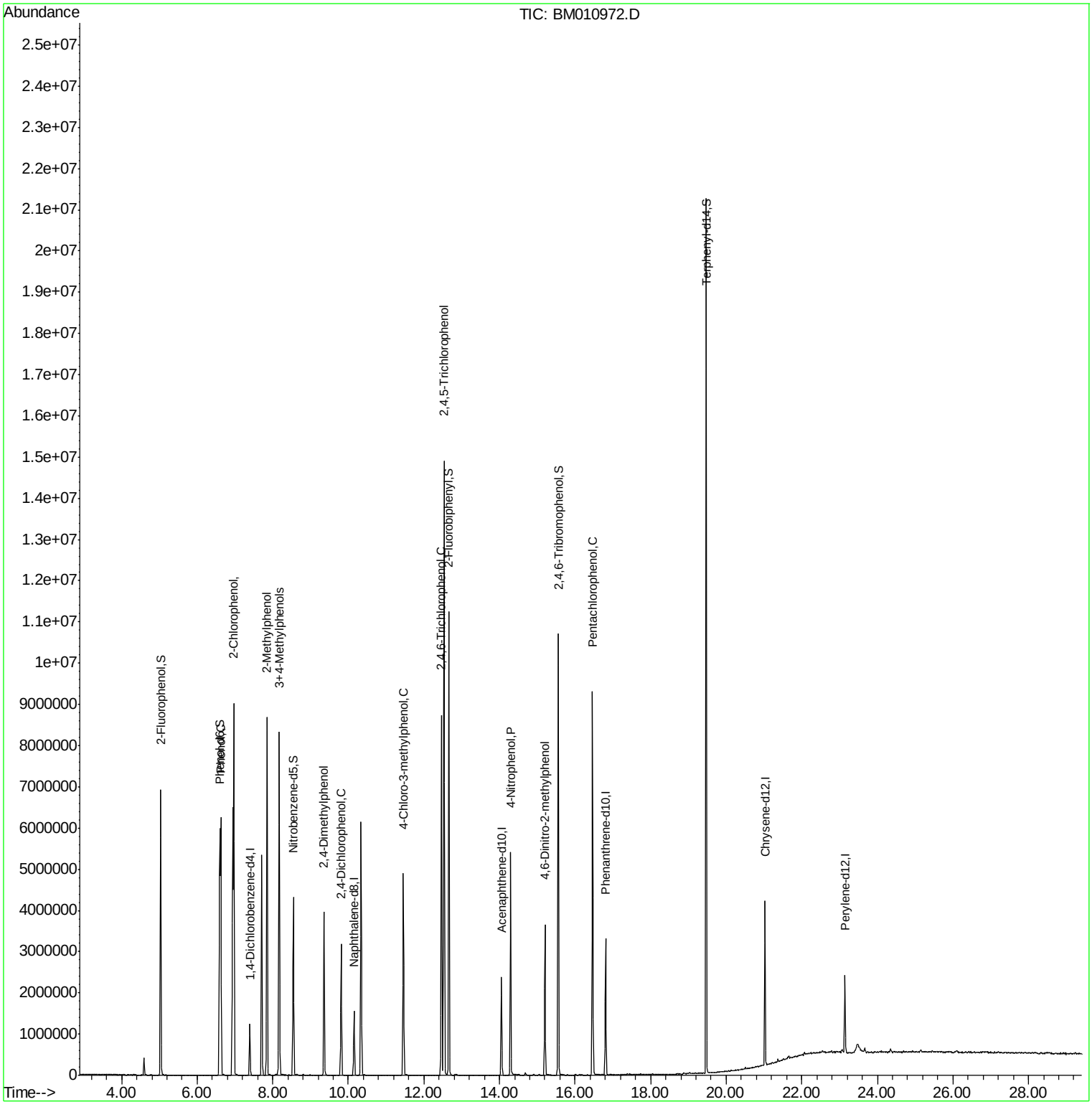
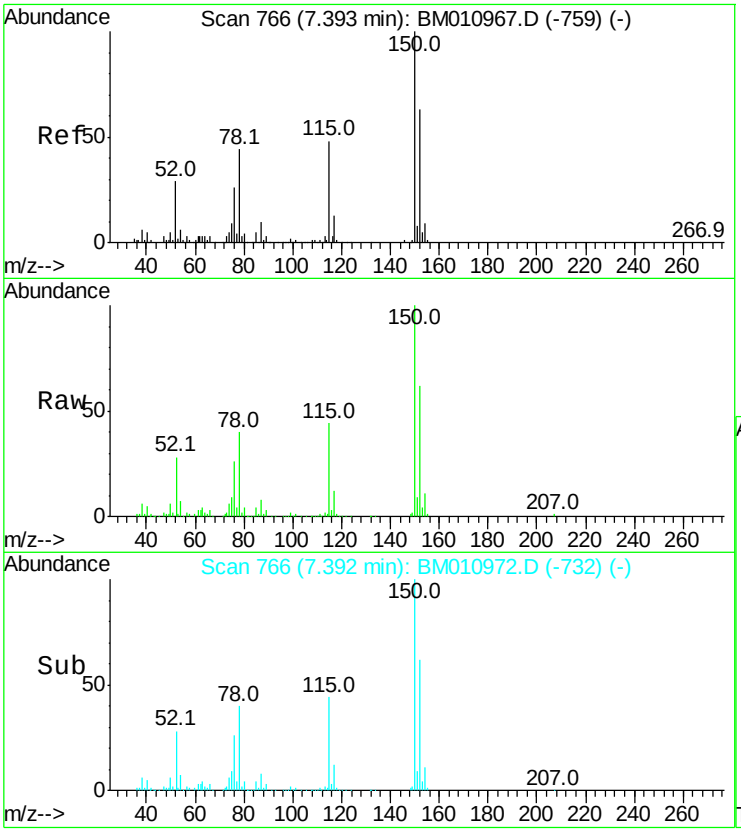


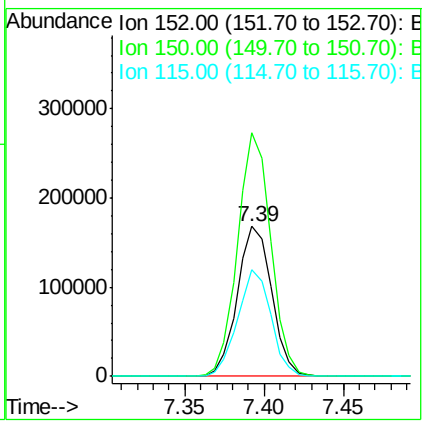


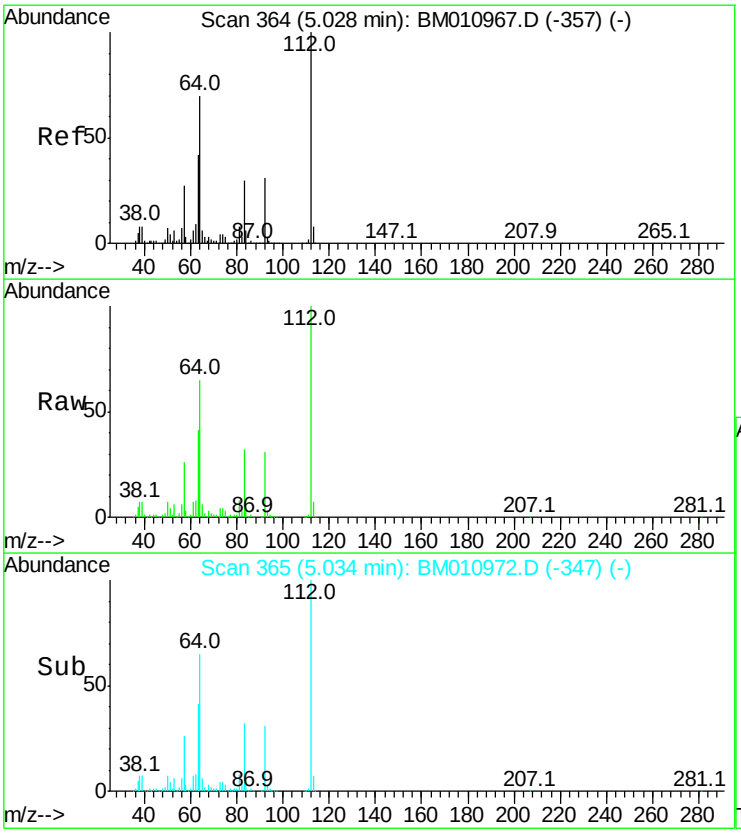
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 766
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:152 Resp: 253924

Ion	Ratio	Lower	Upper
152	100		
150	162.3	119.5	179.3
115	71.1	43.0	64.4#

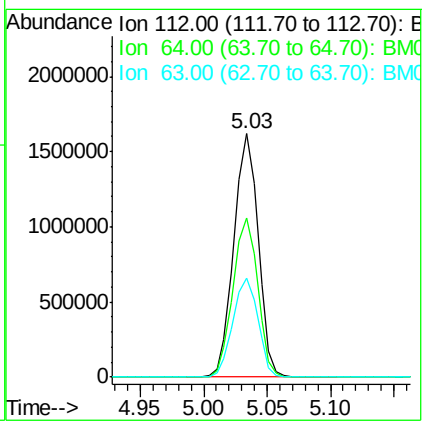


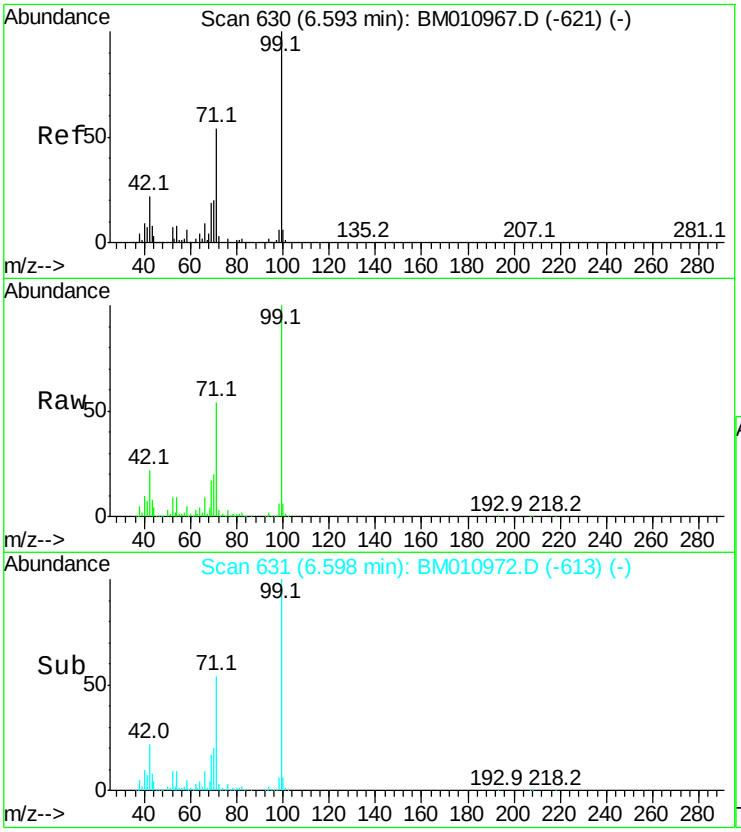


#5
2-Fluorophenol
Concen: 143.239 ng
RT: 5.03 min Scan# 365
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:112 Resp: 2151615

Ion	Ratio	Lower	Upper
112	100		
64	65.5	38.6	57.8#
63	40.8	19.3	28.9#



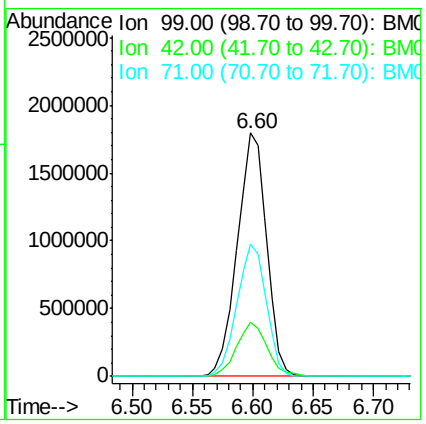


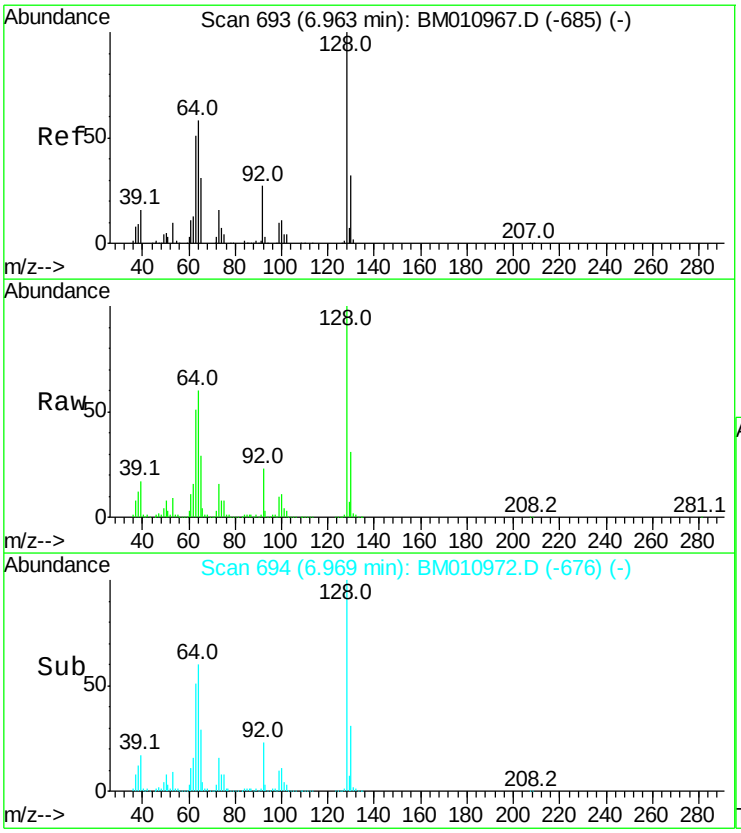
#7
Phenol-d6
Concen: 142.507 ng
RT: 6.60 min Scan# 631
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion: 99 Resp: 3041434

Ion	Ratio	Lower	Upper
99	100		
42	22.2	11.0	16.4#
71	54.5	23.4	35.2#

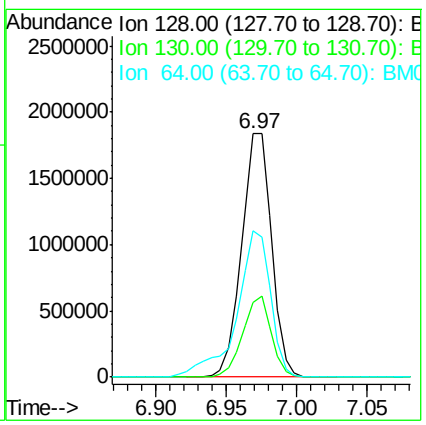


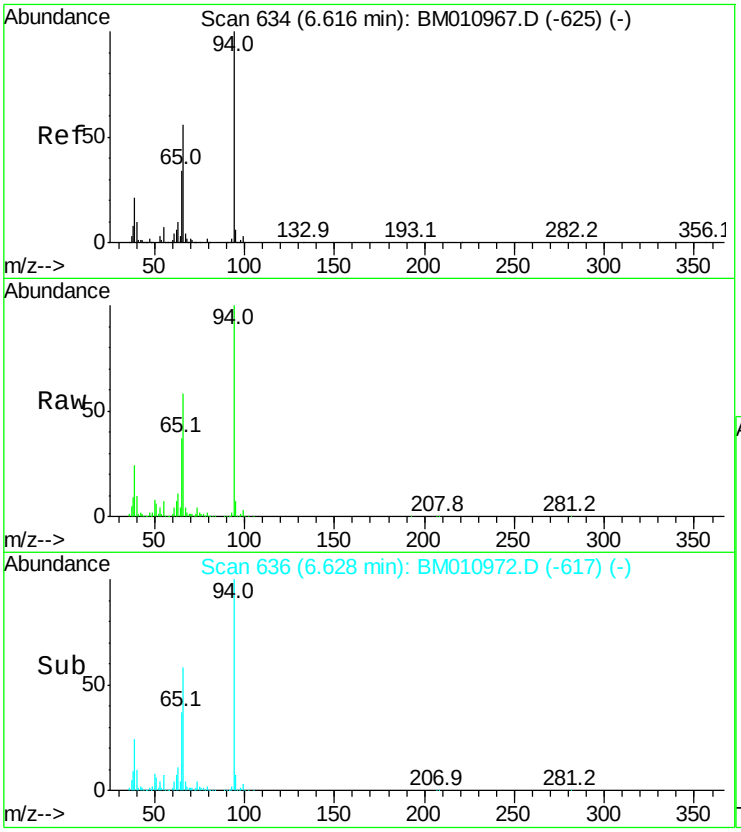


#8
2-Chlorophenol
Concen: 179.273 ng
RT: 6.97 min Scan# 694
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:128 Resp: 2733992

Ion	Ratio	Lower	Upper
128	100		
130	30.8	12.0	52.0
64	60.4	24.9	64.9



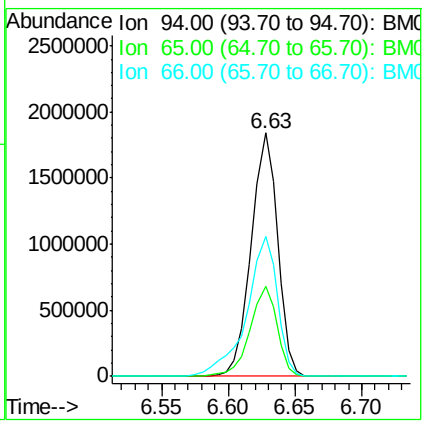


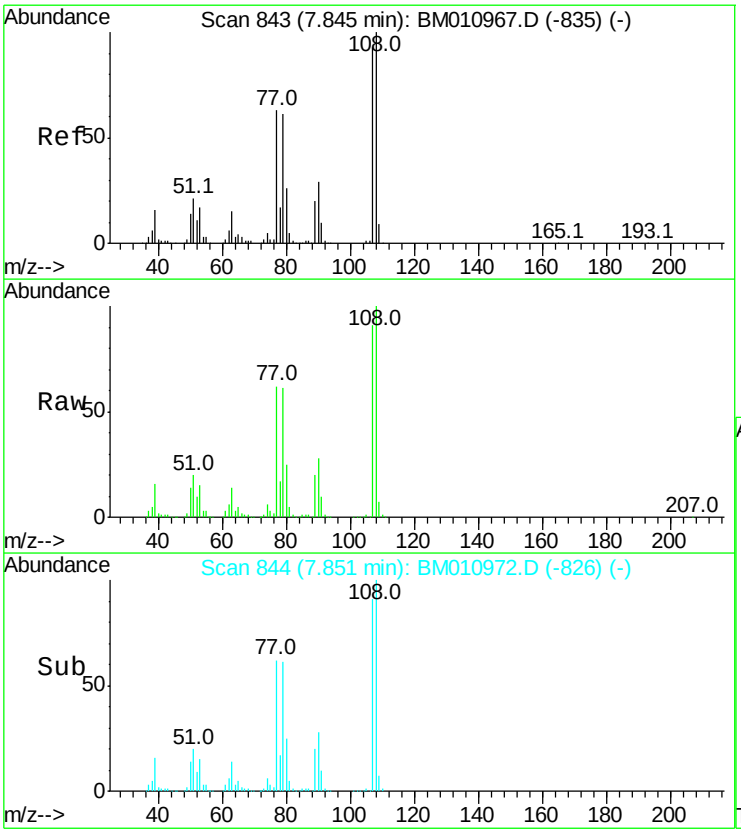
#10
Phenol
Concen: 108.184 ng
RT: 6.63 min Scan# 636
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion: 94 Resp: 2507825

Ion	Ratio	Lower	Upper
94	100		
65	37.0	18.8	58.8
66	57.6	39.9	79.9

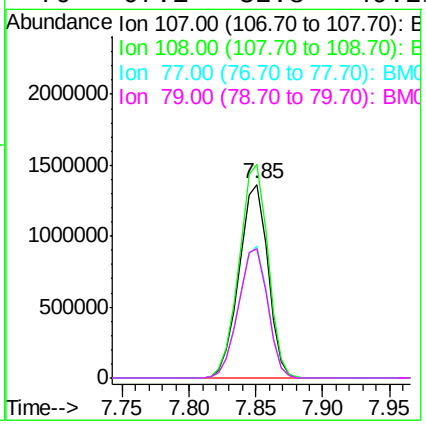


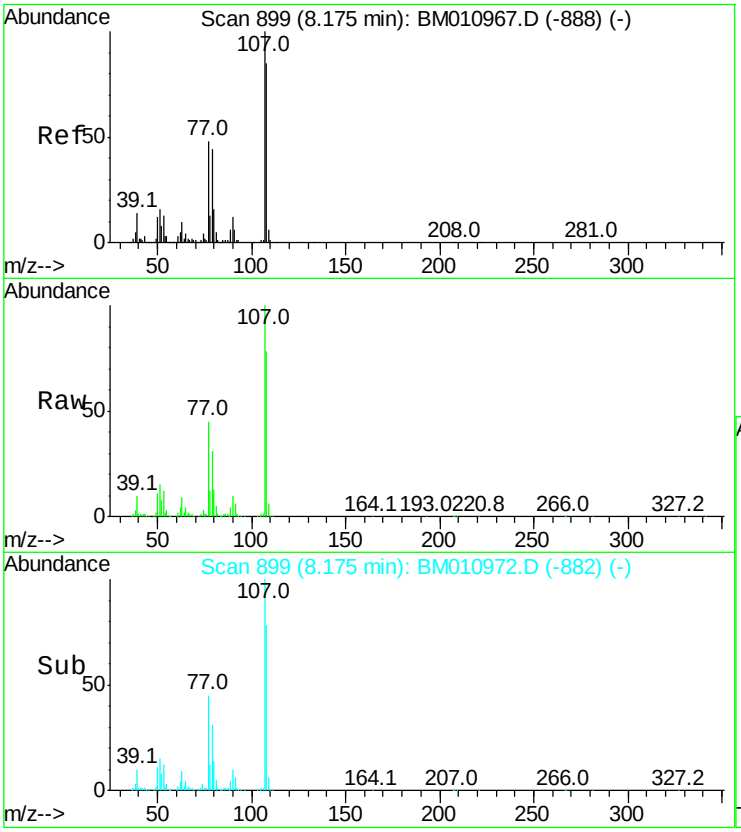


#17
2-Methylphenol
Concen: 137.726 ng
RT: 7.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:107 Resp: 2040466

Ion	Ratio	Lower	Upper
107	100		
108	110.4	89.8	134.8
77	68.5	32.6	48.8#
79	67.1	32.8	49.2#



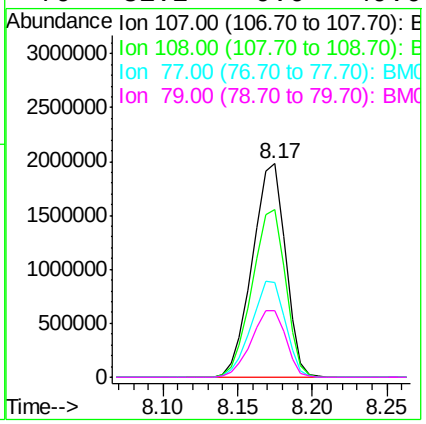


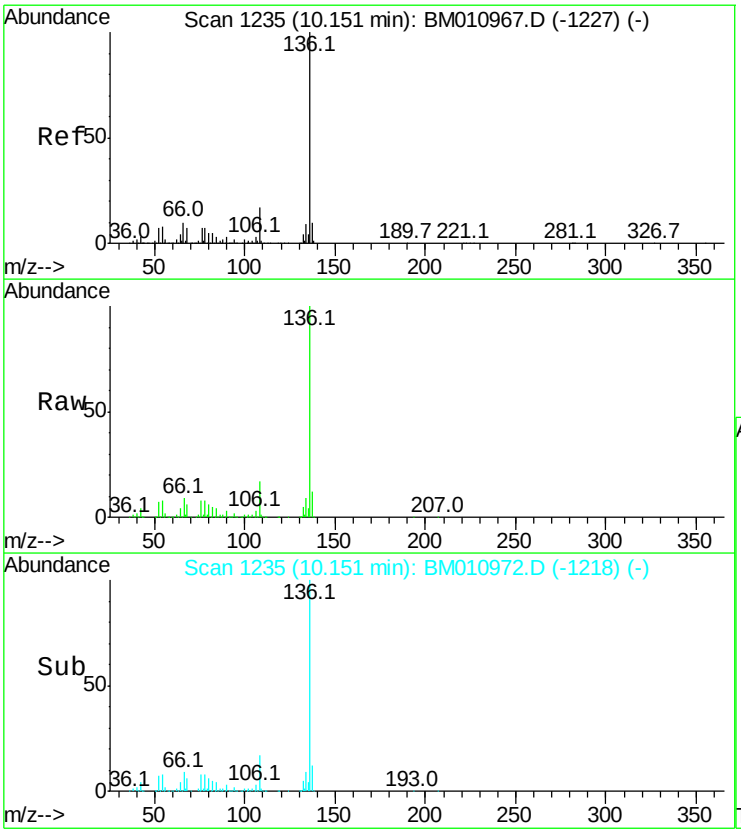
#20
3+4-Methylphenols
Concen: 148.179 ng
RT: 8.17 min Scan# 899
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:107 Resp: 3051683

Ion	Ratio	Lower	Upper
107	100		
108	78.2	73.2	113.2
77	44.6	10.7	50.7
79	31.2	9.6	49.6

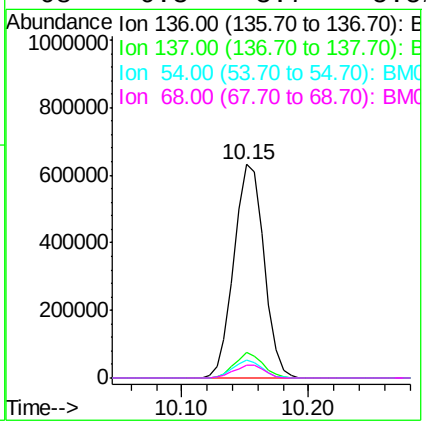


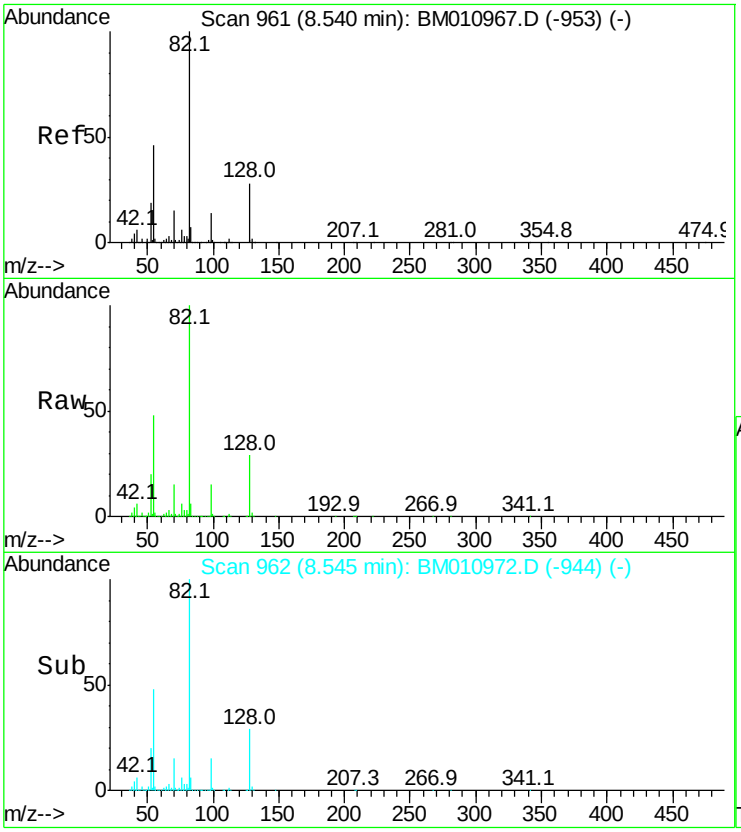


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.15 min Scan# 1235
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:136 Resp: 1037235

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.7	13.1
54	8.3	4.6	6.8#
68	6.3	3.7	5.5#



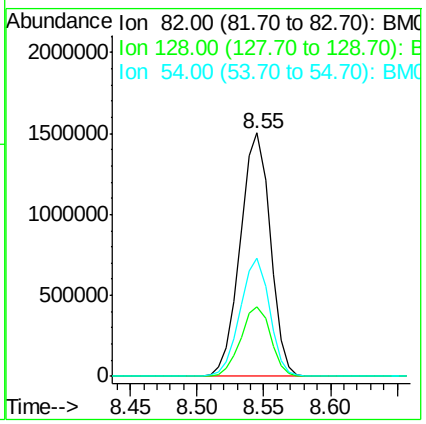


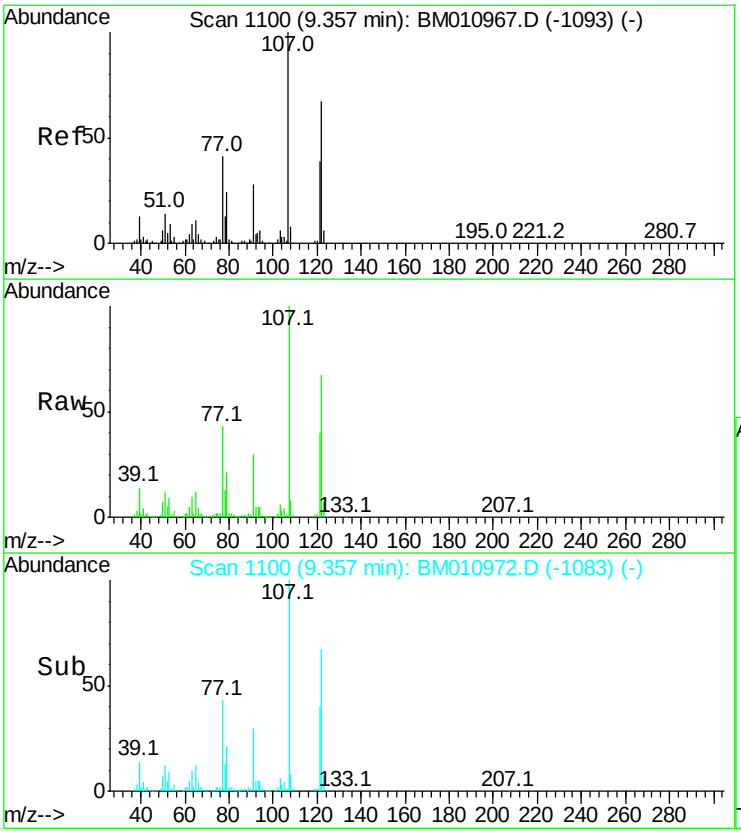
#23
Nitrobenzene-d5
Concen: 84.704 ng
RT: 8.55 min Scan# 962
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion: 82 Resp: 2340899

Ion	Ratio	Lower	Upper
82	100		
128	28.6	32.8	49.2#
54	48.3	40.6	60.8

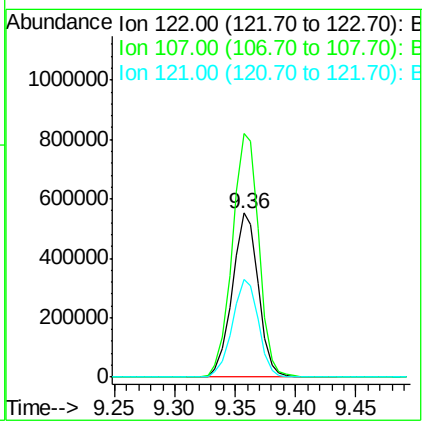


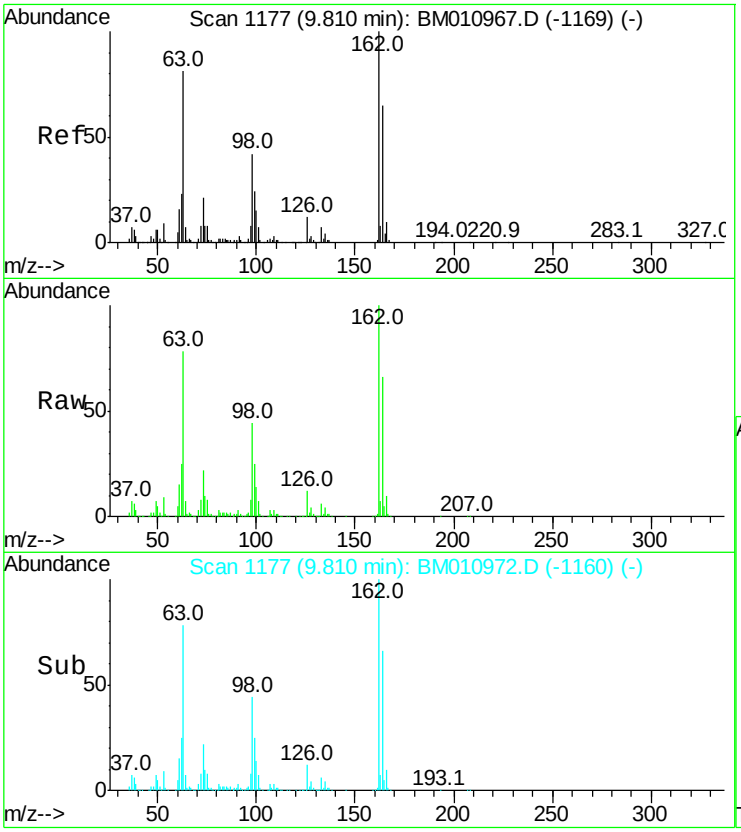


#27
2,4-Dimethylphenol
Concen: 51.827 ng
RT: 9.36 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:122 Resp: 831354

Ion	Ratio	Lower	Upper
122	100		
107	148.4	84.7	127.1#
121	59.9	46.6	69.8



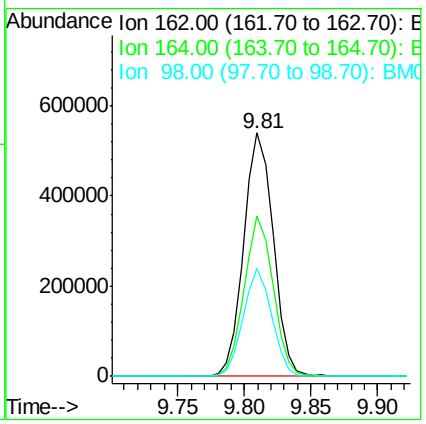


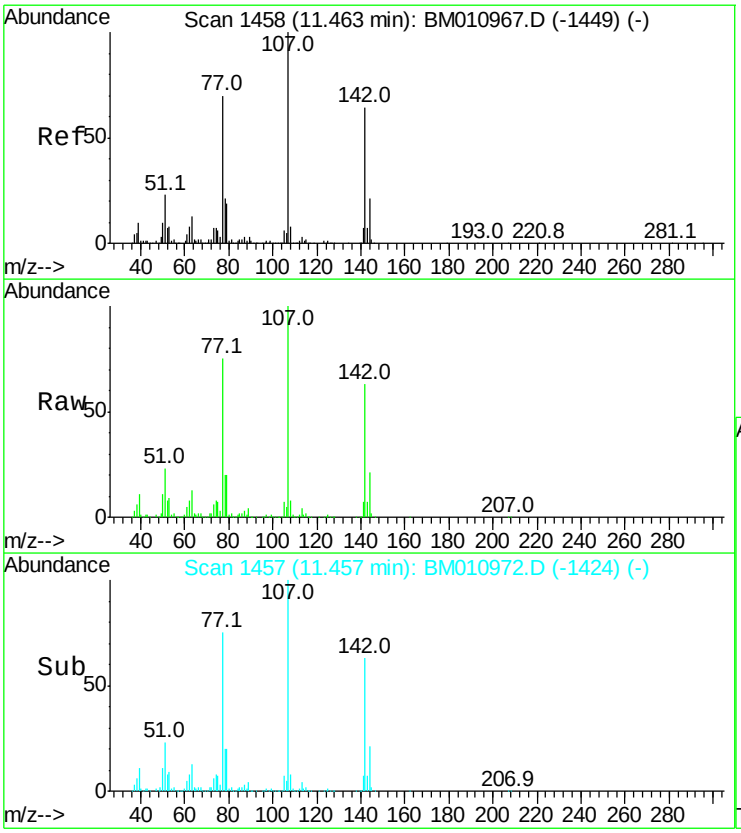
#29
2,4-Dichlorophenol
Concen: 45.627 ng
RT: 9.81 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:162 Resp: 822434

Ion	Ratio	Lower	Upper
162	100		
164	65.8	42.8	82.8
98	44.4	14.5	54.5

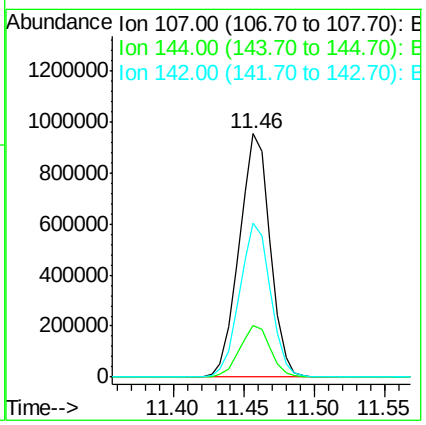


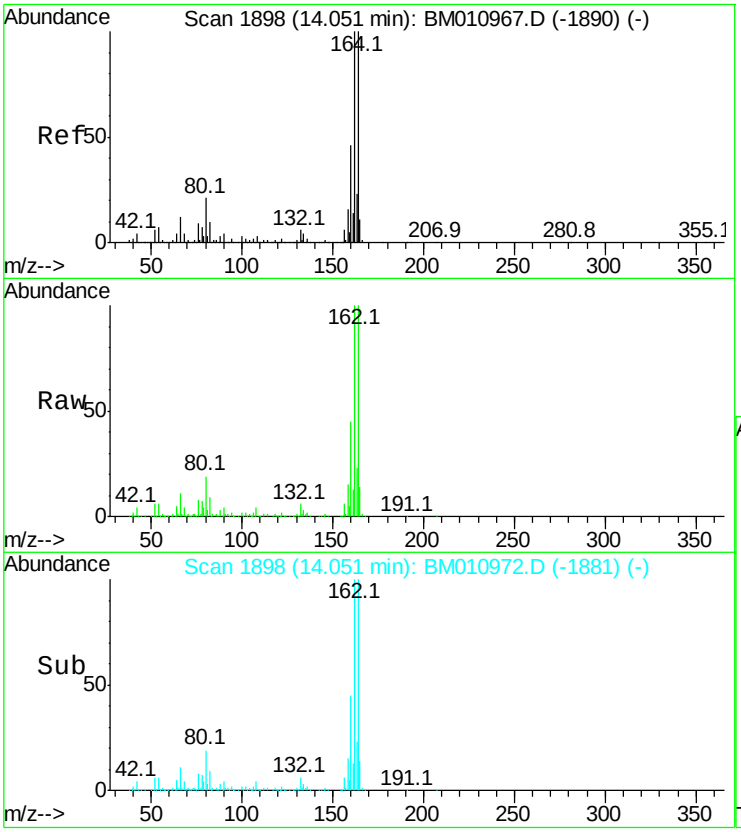


#36
4-Chloro-3-methylphenol
Concen: 63.003 ng
RT: 11.46 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:107 Resp: 1466382

Ion	Ratio	Lower	Upper
107	100		
144	21.2	23.3	34.9#
142	63.4	72.6	109.0#



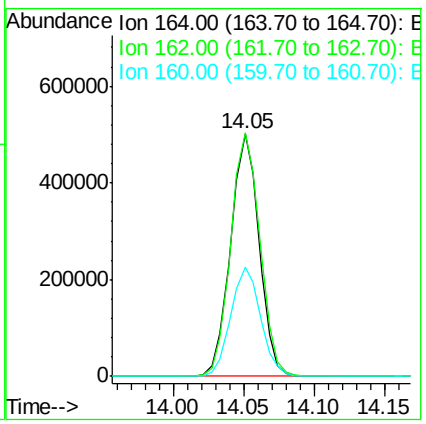


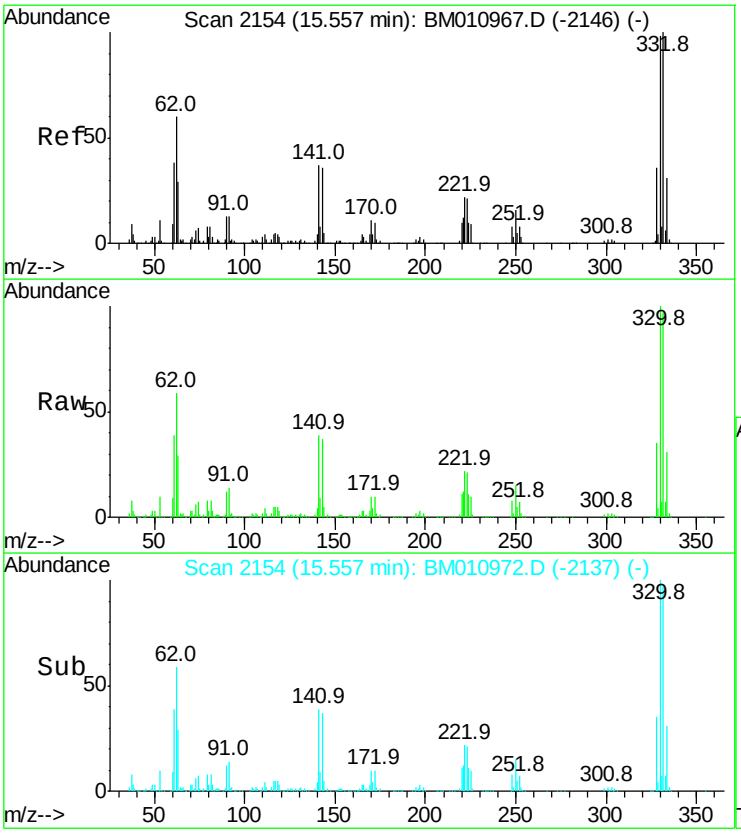
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:164 Resp: 705368

Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.4	123.6
160	44.9	35.8	53.6

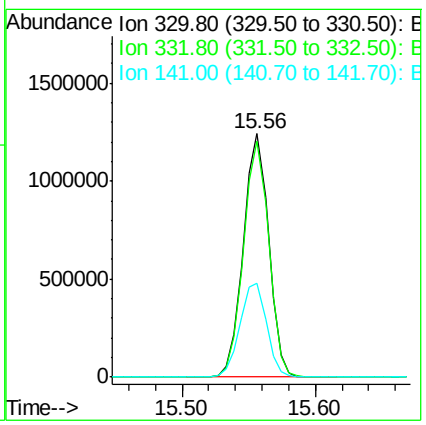


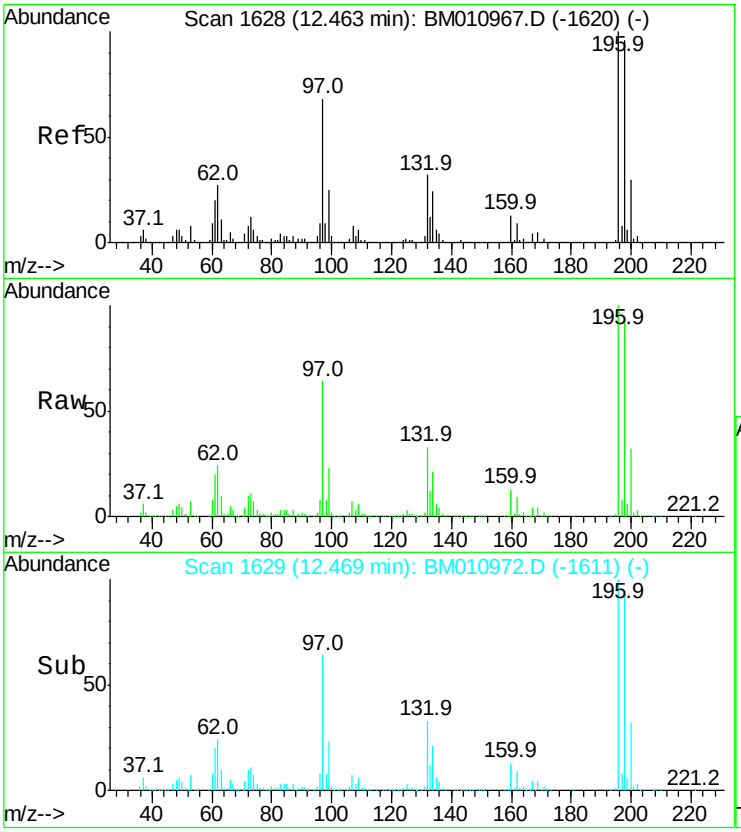


#41
2,4,6-Tribromophenol
Concen: 143.186 ng
RT: 15.56 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:330 Resp: 1618797

Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	40.9	0.0	0.0#



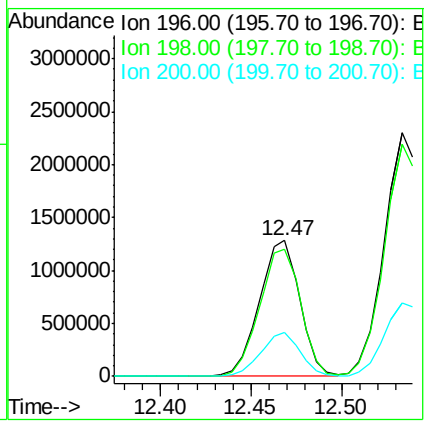


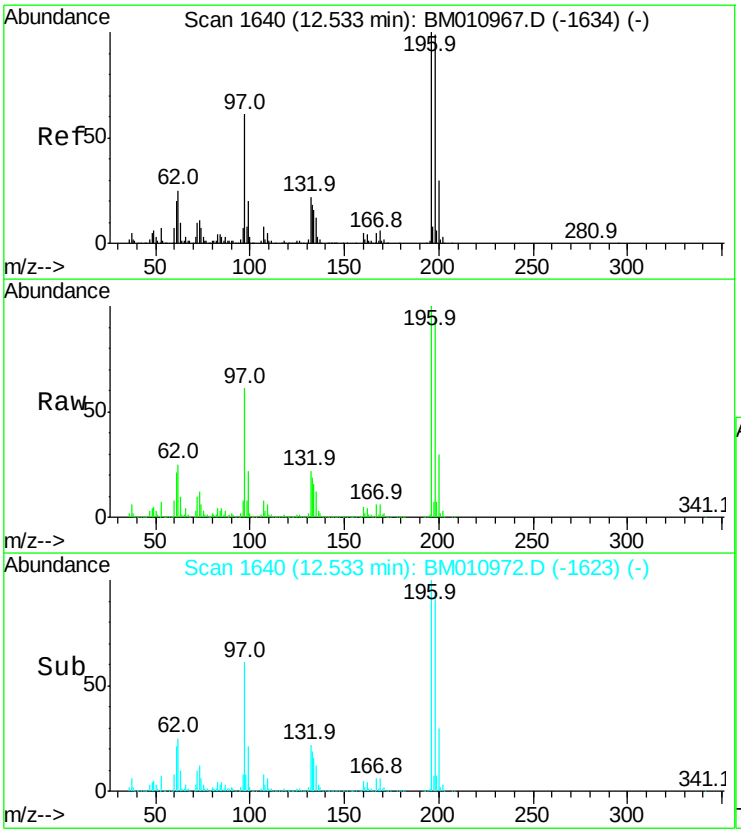
#42
2,4,6-Trichlorophenol
Concen: 108.392 ng
RT: 12.47 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:196 Resp: 1988193

Ion	Ratio	Lower	Upper
196	100		
198	94.1	76.3	114.5
200	31.9	25.6	38.4

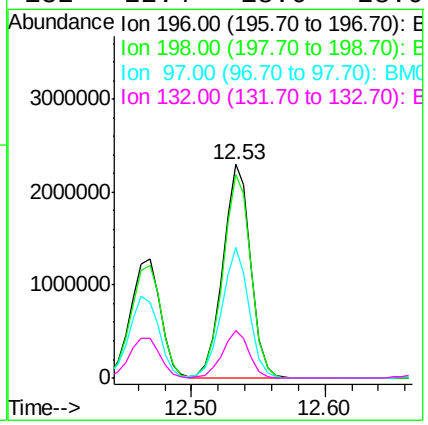


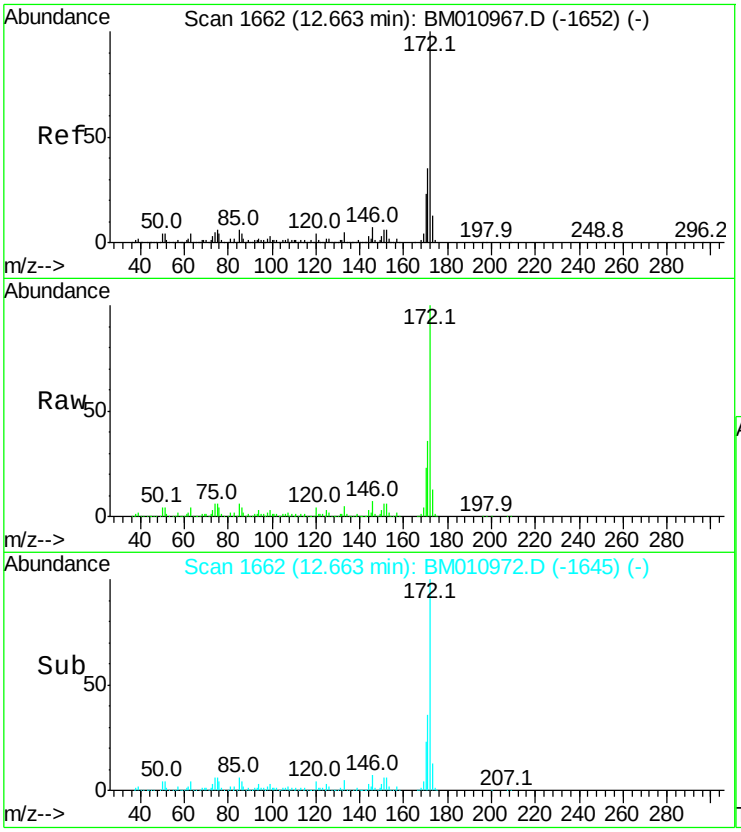


#43
2,4,5-Trichlorophenol
Concen: 176.880 ng
RT: 12.53 min Scan# 1640
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:196 Resp: 3341592

Ion	Ratio	Lower	Upper
196	100		
198	95.2	79.4	119.0
97	61.2	26.8	40.2#
132	22.4	18.6	28.0



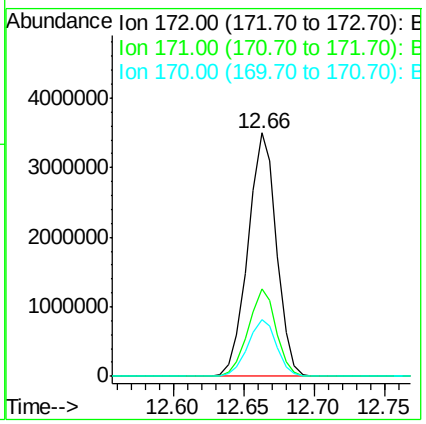


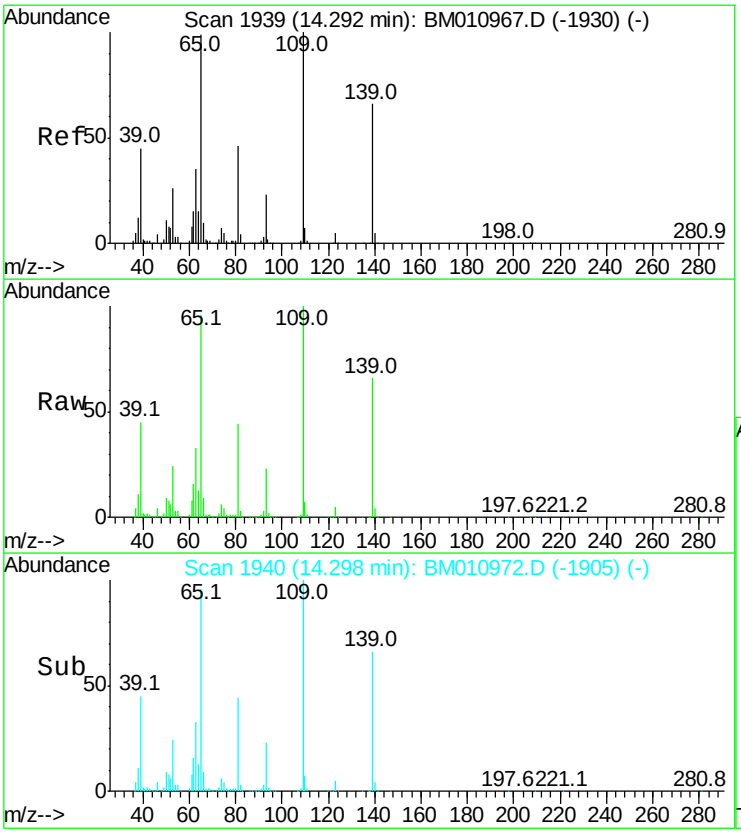
#44
2-Fluorobiphenyl
Concen: 88.326 ng
RT: 12.66 min Scan# 1662
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:172 Resp: 4967722

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.5	42.7
170	23.3	18.8	28.2

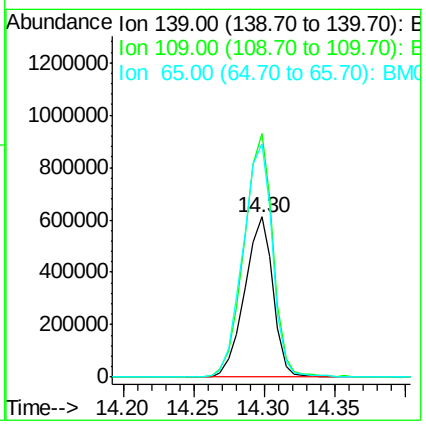


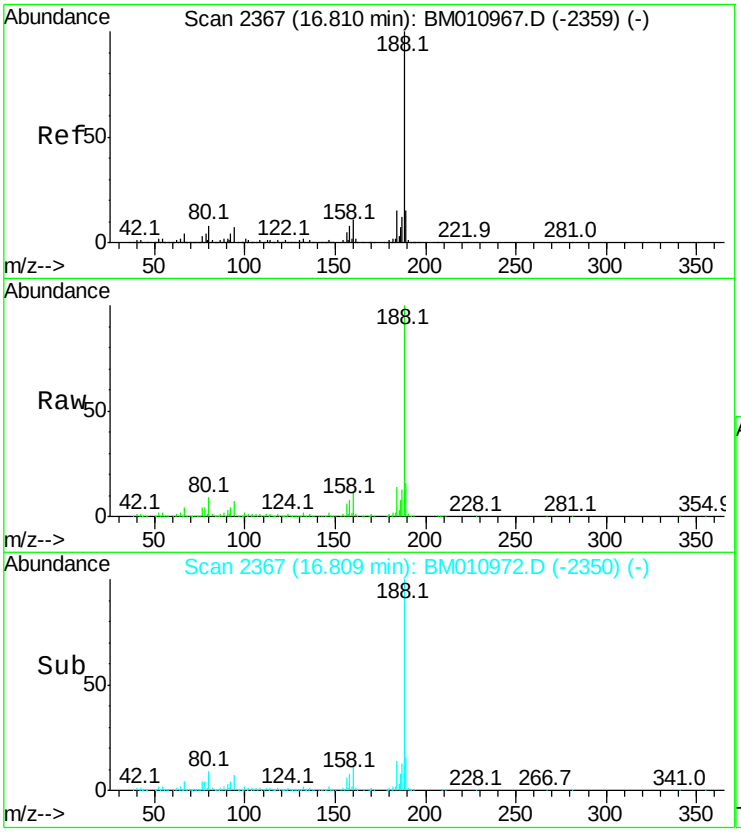


#55
4-Nitrophenol
Concen: 92.707 ng
RT: 14.30 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:139 Resp: 862452

Ion	Ratio	Lower	Upper
139	100		
109	152.1	130.0	170.0
65	146.2	130.0	170.0



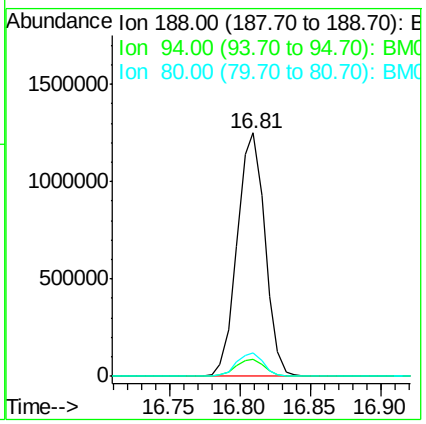


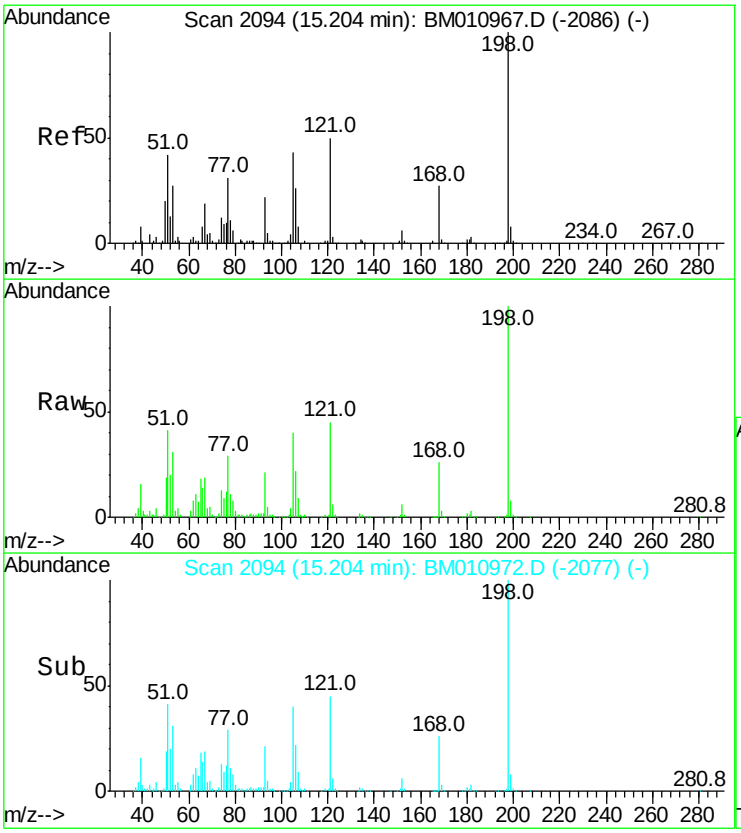
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.81 min Scan# 2367
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:188 Resp: 1716839

Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.7	13.1#
80	9.4	9.3	13.9

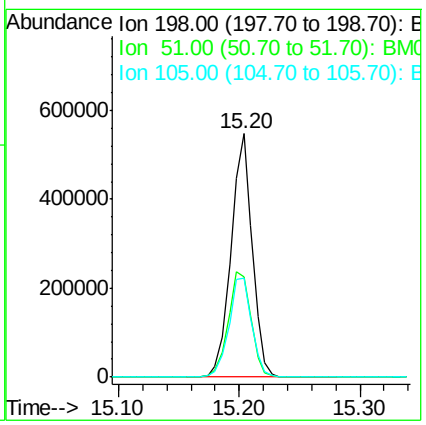


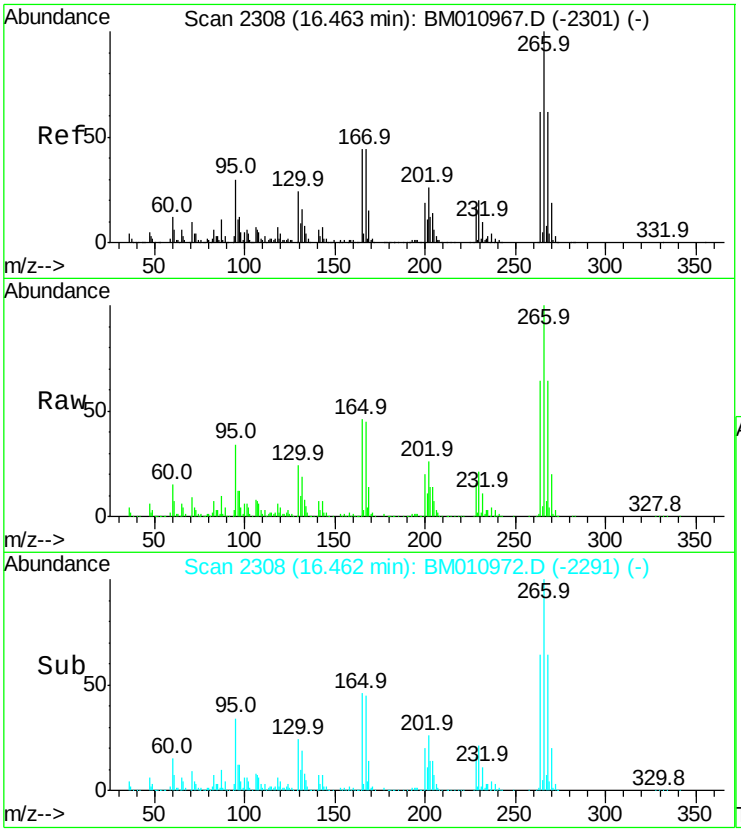


#64
4,6-Dinitro-2-methylphenol
Concen: 57.343 ng
RT: 15.20 min Scan# 2094
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:198 Resp: 666480

Ion	Ratio	Lower	Upper
198	100		
51	41.1	28.8	68.8
105	40.4	30.5	70.5



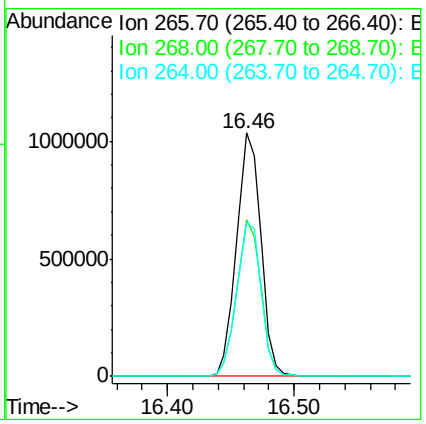


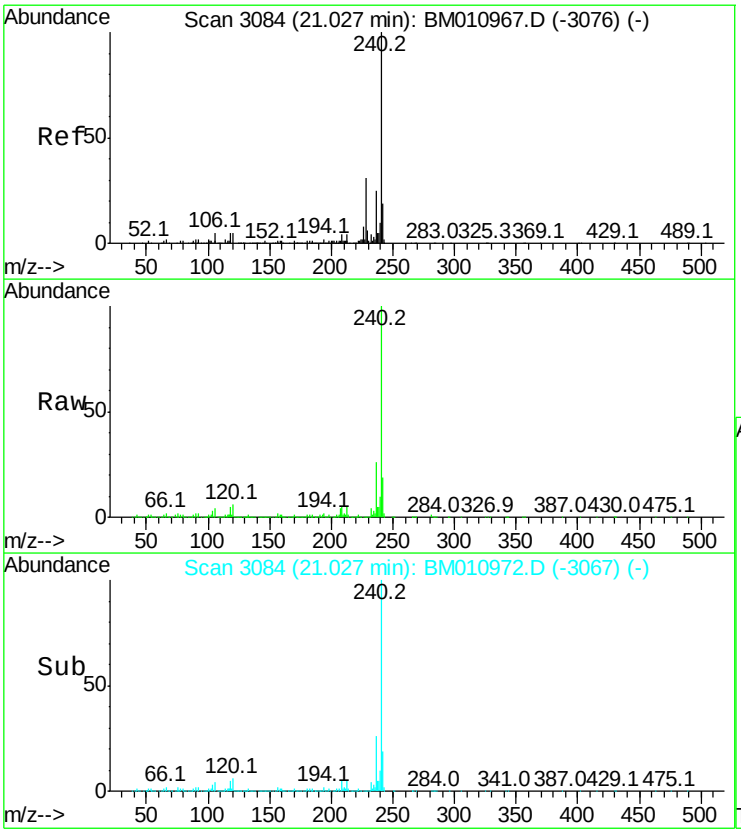
#69
Pentachlorophenol
Concen: 86.820 ng
RT: 16.46 min Scan# 2308
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:266 Resp: 1374669

Ion	Ratio	Lower	Upper
266	100		
268	64.5	52.0	78.0
264	63.5	49.0	73.4

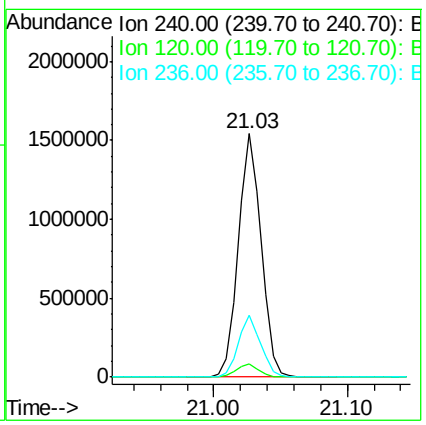


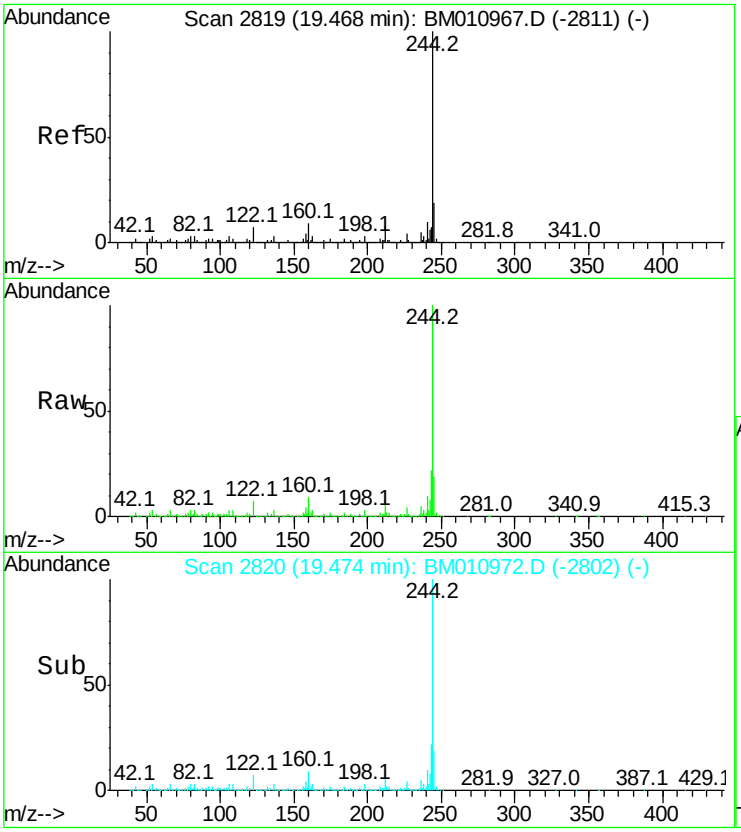


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.03 min Scan# 3084
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:240 Resp: 1820543

Ion	Ratio	Lower	Upper
240	100		
120	5.5	8.2	12.2#
236	25.6	20.0	30.0



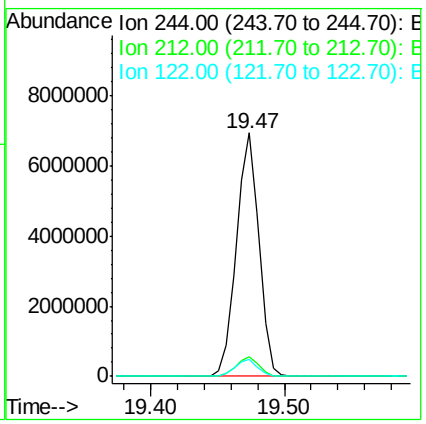


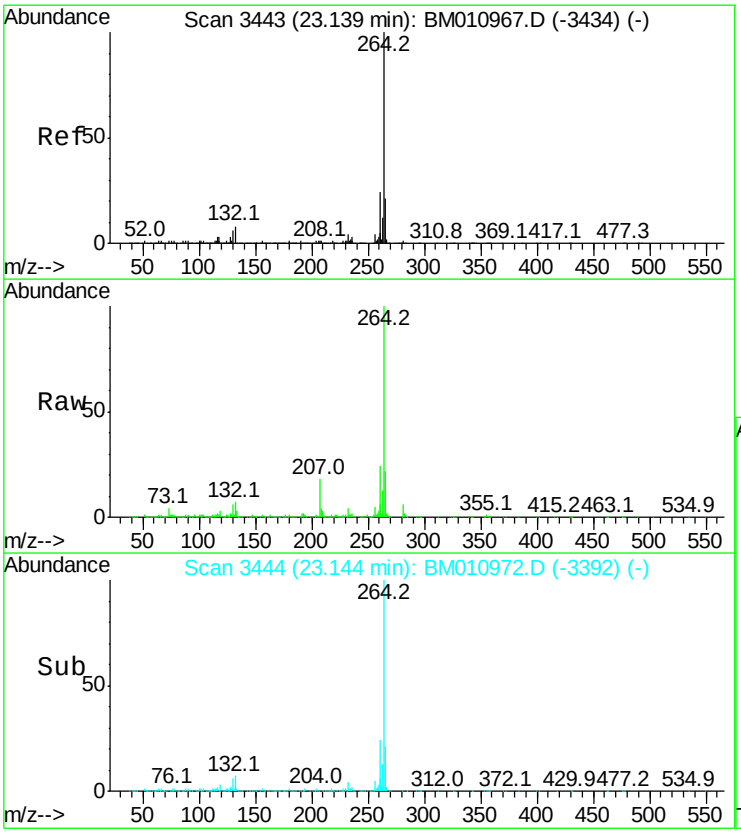
#78
Terphenyl-d14
Concen: 88.009 ng
RT: 19.47 min Scan# 2820
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:244 Resp: 8088607

Ion	Ratio	Lower	Upper
244	100		
212	8.2	4.9	7.3#
122	7.0	6.2	9.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.14 min Scan# 3444
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:264 Resp: 1318822

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	22.1	17.3	25.9