Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005568.D
Acq On : 22 May 2016 01:49
Operator : UM/SJ
Sample : H2922-03MSD 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5NG0MSD

Quant Time: May 22 05:34:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 05:33:20 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	85922	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	357838	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	185296	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	320215	20.00	ng/ul	0.01
75) Chrysene-d12	21.40	240	297606	20.00	ng/ul	0.04
83) Perylene-d12	23.71	264	381407	20.00	ng/ul	0.08
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	1491	0.76	ng/uL	0.00
5) Phenol-d5	6.99	99	20881	2.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	24137	5.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	17054	2.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	4873	0.84	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	16171	5.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	7508	2.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	12393	2.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	29266	5.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	100174	6.62	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	136736	7.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	5996	2.10	ng/ul	0.02
57) Fluorene-d10	15.45	176	92272	7.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	10516	5.71	ng/ul	0.00
70) Anthracene-d10	17.30	188	110587	7.25	ng/ul	0.01
76) Pyrene-d10	19.61	212	115815	8.59	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.56	264	101143	5.68	ng/ul	0.06
Target Compounds						Qvalue
6) Phenol	7.01	94	18821	2.59	ng/ul	97
10) 2-Chlorophenol	7.39	128	15701	2.66	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.62	70	25410	5.54	ng/ul	93
28) Naphthalene	10.66	128	23838	1.33	ng/ul	97
33) 4-Chloro-3-methylphenol	11.89	107	9794	1.60	ng/ul	91
34) 2-Methylnaphthalene	12.27	142	50680	3.85	ng/ul	98
40) 1,1'-Biphenyl	13.29	154	54332	3.49	ng/ul	97
44) Dimethylphthalate	13.91	163	22003	1.47	ng/ul#	89
48) 3-Nitroaniline	14.36	138	4003	1.43	ng/ul#	41
49) Acenaphthene	14.52	153	117923	9.31	ng/ul	97
52) 4-Nitrophenol	14.66	109	4910	1.71	ng/ul#	30
53) Dibenzofuran	14.85	168	44971	2.49	ng/ul#	45
54) 2,4-Dinitrotoluene	14.82	165	25611	5.81	ng/ul#	93
58) Fluorene	15.50	166	45908	3.17	ng/ul#	61
64) N-Nitrosodiphenylamine	15.72	169	109564	11.28	ng/ul#	50
69) Phenanthrene	17.25	178	543898	30.39	ng/ul#	92
71) Anthracene	17.34	178	75549	4.14	ng/ul#	59
74) Fluoranthene	19.27	202	308395	15.31	ng/ul#	93
77) Pyrene	19.64	202	432988	25.31	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.30	252	11279	2.09	ng/ul#	1
80) Benzo(a)anthracene	21.39	228	64609	3.69	ng/ul#	18
81) Bis(2-ethylhexyl)phthalate	21.31	149	13947	1.37	ng/ul#	7
82) Chrysene	21.43	228	144710	8.70	ng/ul#	48

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005568.D
Acq On : 22 May 2016 01:49
Operator : UM/SJ
Sample : H2922-03MSD 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5NG0MSD

Quant Time: May 22 05:34:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 05:33:20 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Benzo(b)fluoranthene	23.02	252	72050	3.20	ng/ul#	1
86) Benzo(k)fluoranthene	23.02	252	72050	3.38	ng/ul#	1

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
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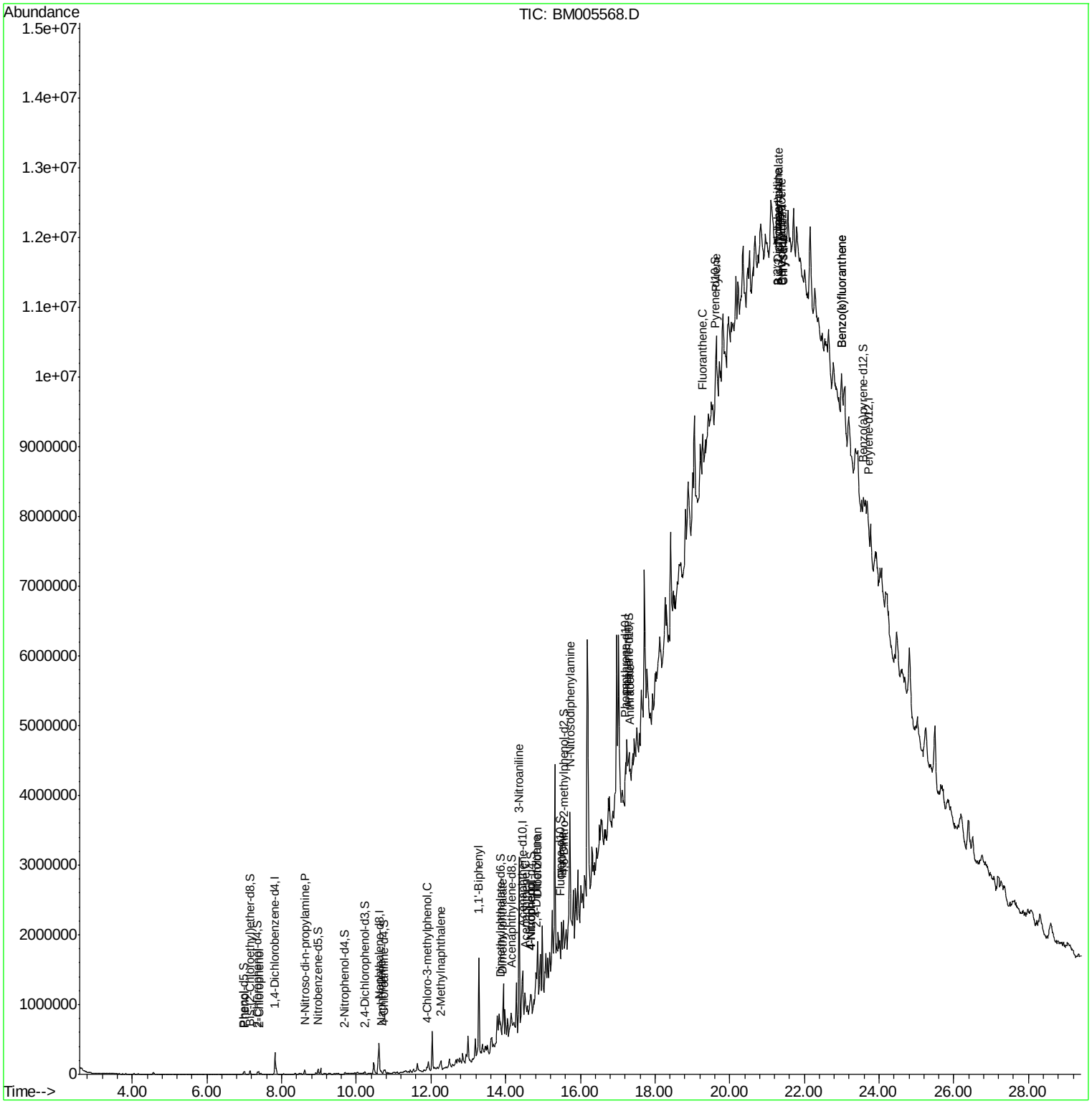
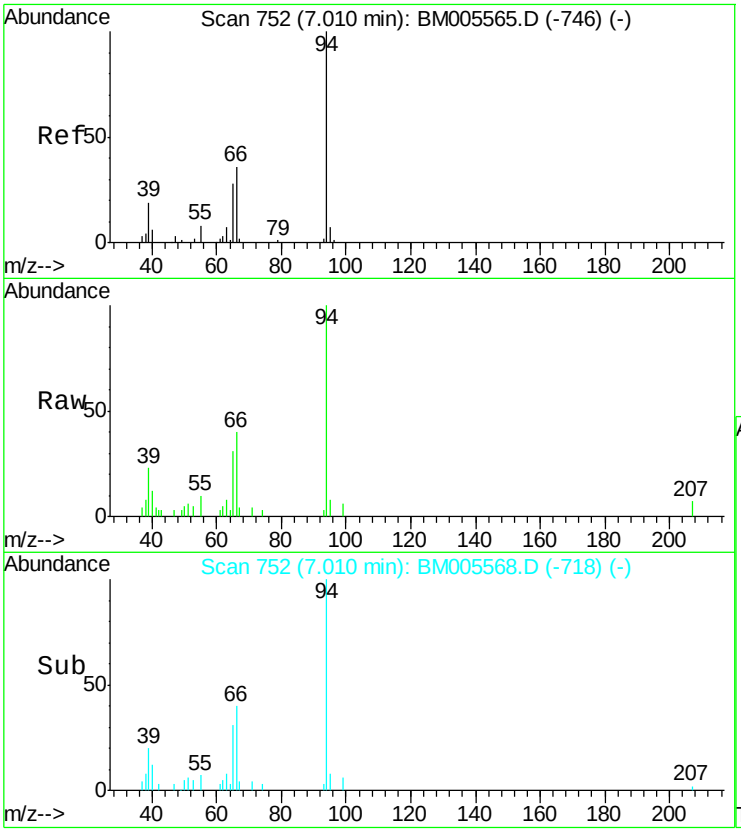
Acq On : 22 May 2016 01:49
Operator : UM/SJ
Sample : H2922-03MSD 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Quant Time: May 22 05:34:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 05:33:20 2016
Response via : Initial Calibration



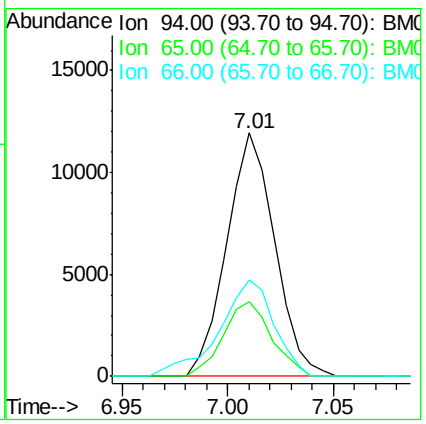


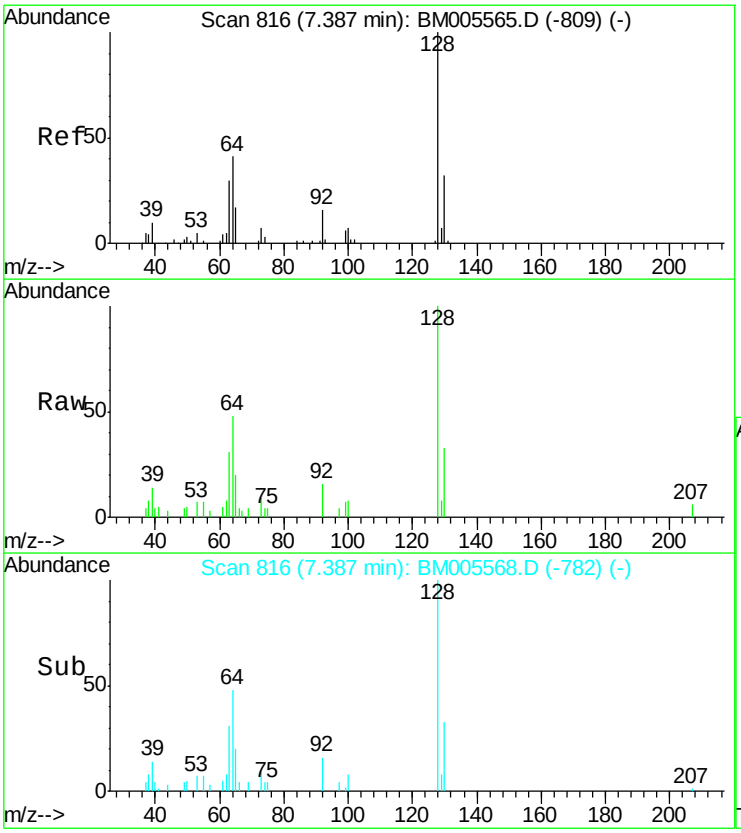
#6
Phenol
Concen: 2.59 ng/ul
RT: 7.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion: 94 Resp: 18821

Ion	Ratio	Lower	Upper
94	100		
65	30.6	24.2	36.2
66	39.8	33.9	50.9

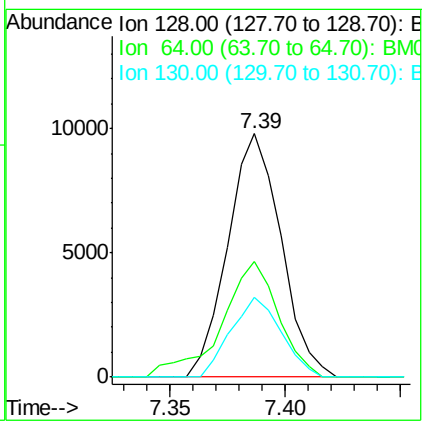


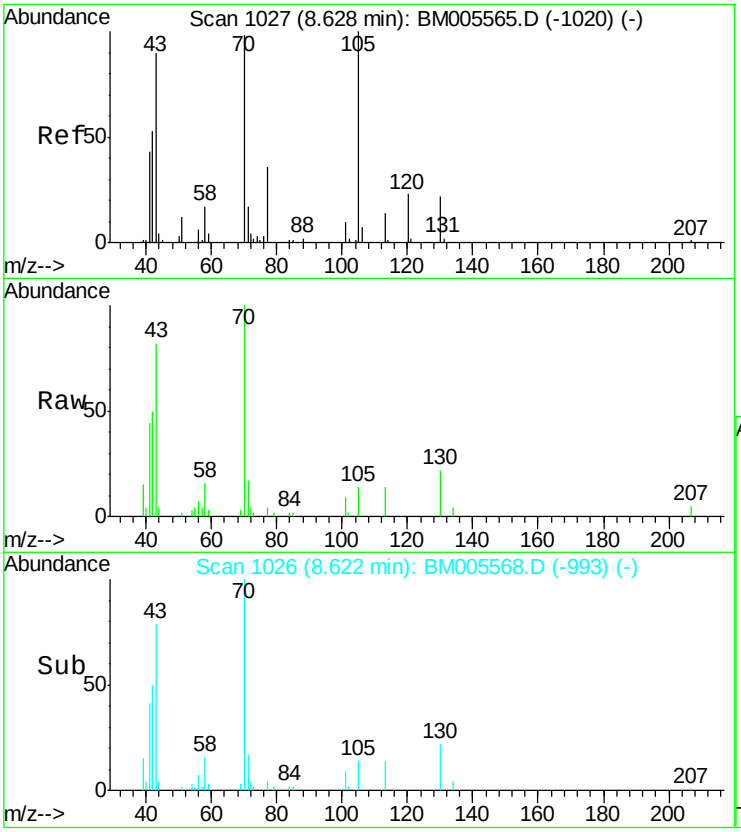


#10
2-Chlorophenol
Concen: 2.66 ng/ul
RT: 7.39 min Scan# 816
Delta R.T. -0.00 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:128 Resp: 15701

Ion	Ratio	Lower	Upper
128	100		
64	47.6	37.3	55.9
130	33.0	26.6	40.0



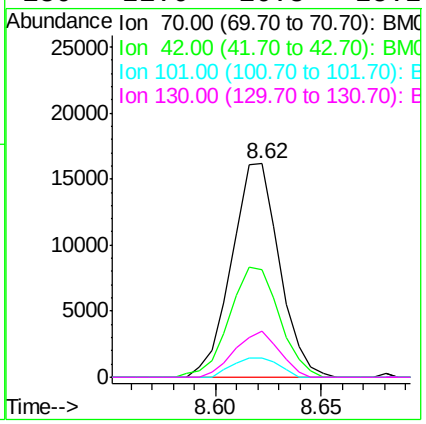


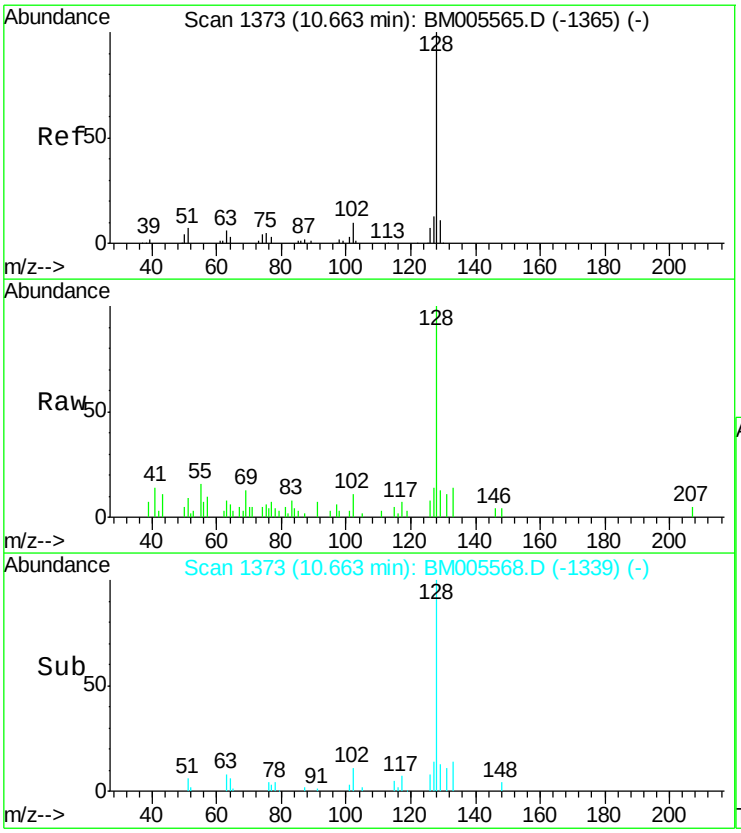
#15
N-Nitroso-di-n-propylamine
Concen: 5.54 ng/ul
RT: 8.62 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion: 70 Resp: 25410

Ion	Ratio	Lower	Upper
70	100		
42	50.3	46.1	69.1
101	9.3	8.0	12.0
130	21.6	16.8	25.2

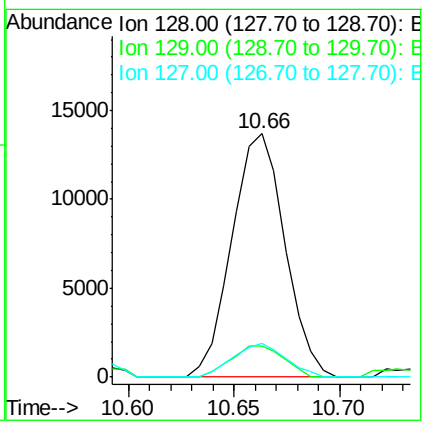


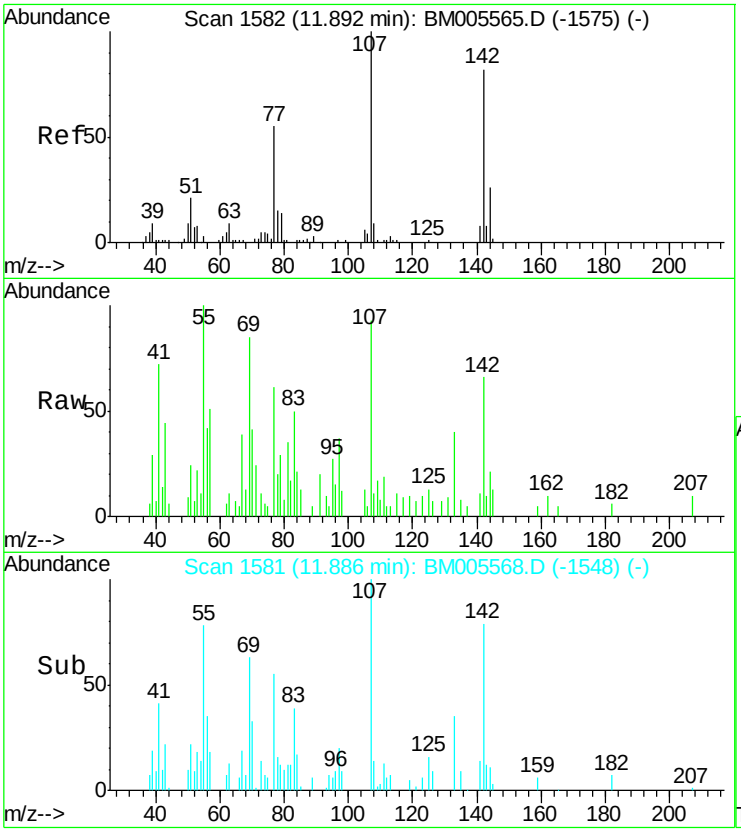


#28
Naphthalene
Concen: 1.33 ng/ul
RT: 10.66 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:128 Resp: 23838

Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.6	13.0
127	13.9	10.6	15.8



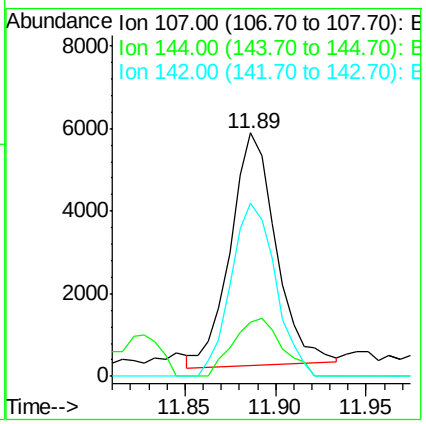


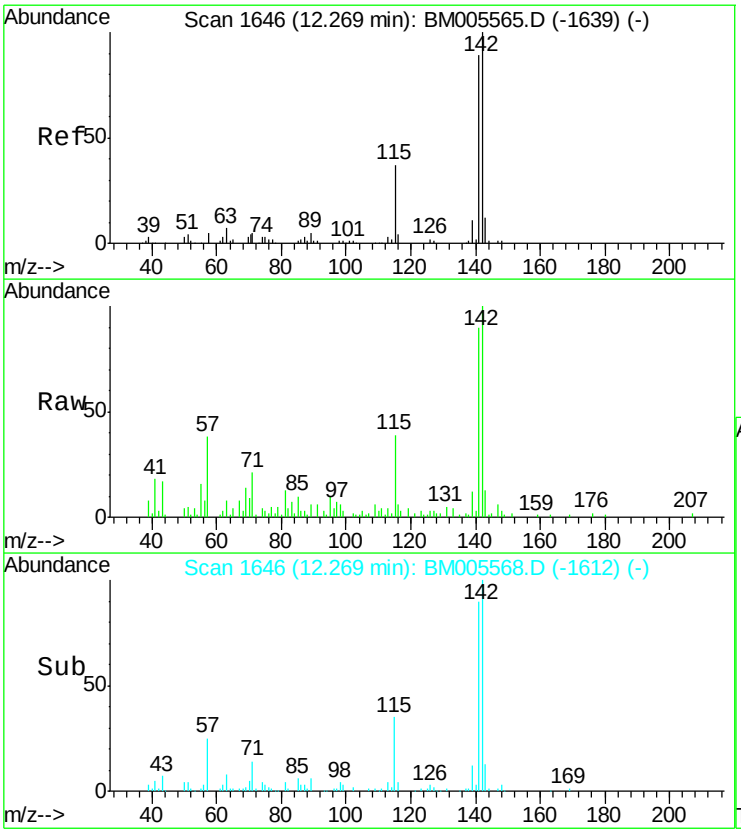
#33
4-Chloro-3-methylphenol
Concen: 1.60 ng/ul
RT: 11.89 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:107 Resp: 9794

Ion	Ratio	Lower	Upper
107	100		
144	22.2	20.6	31.0
142	70.9	63.5	95.3

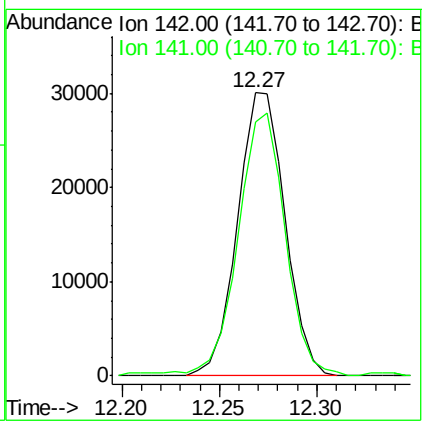


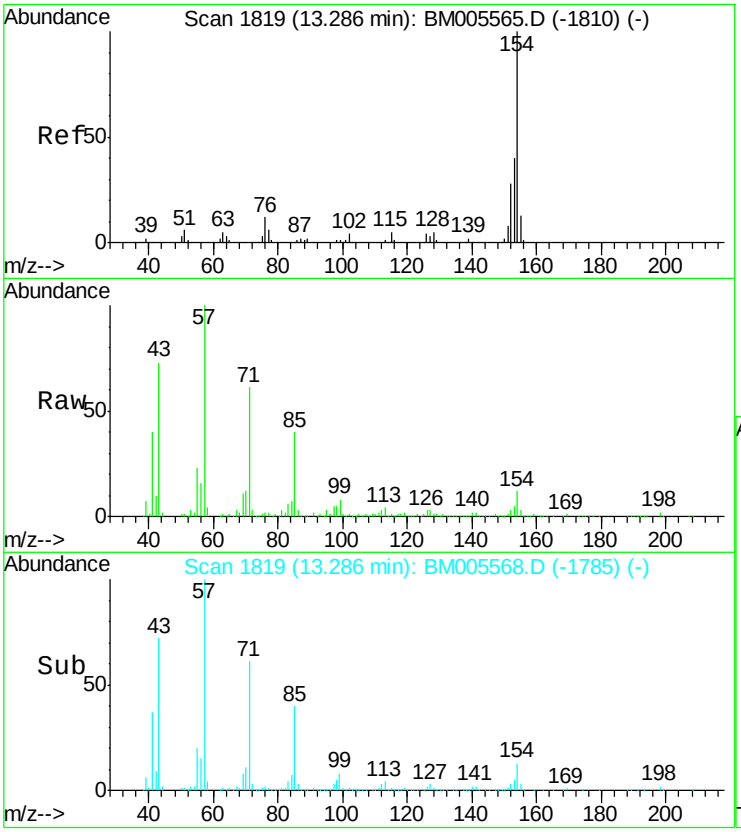


#34
2-Methylnaphthalene
Concen: 3.85 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. -0.00 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:142 Resp: 50680

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.6	106.0



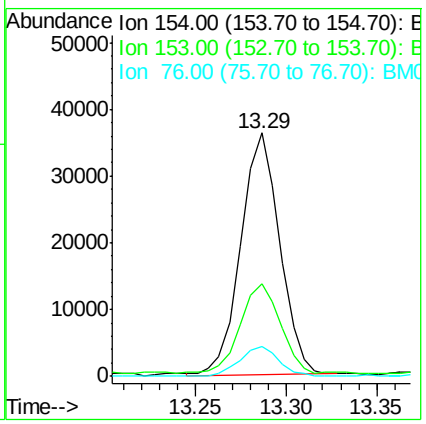


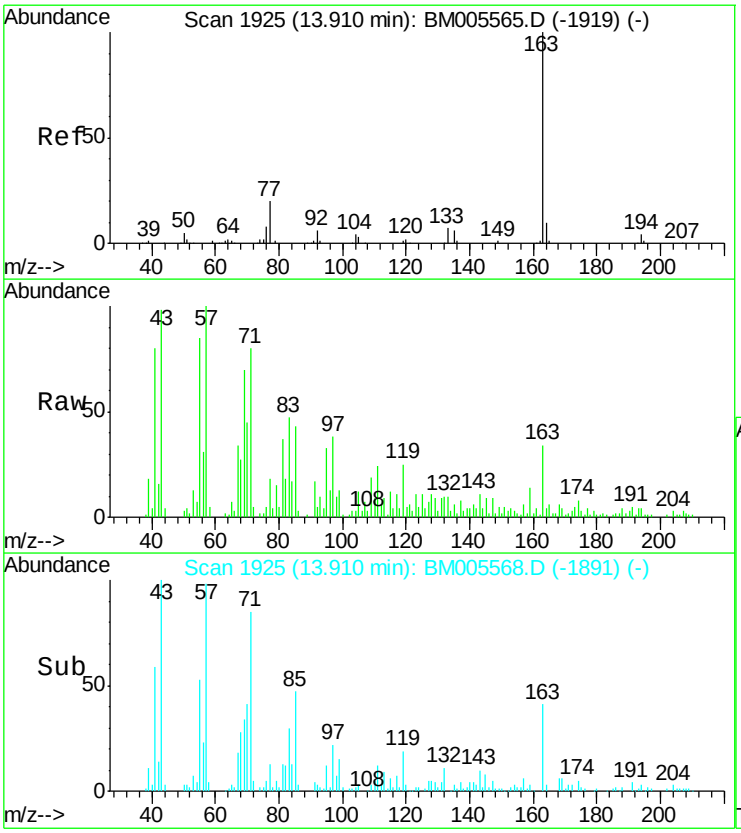
#40
1,1'-Biphenyl
Concen: 3.49 ng/ul
RT: 13.29 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:154 Resp: 54332

Ion	Ratio	Lower	Upper
154	100		
153	37.8	31.7	47.5
76	12.1	10.1	15.1

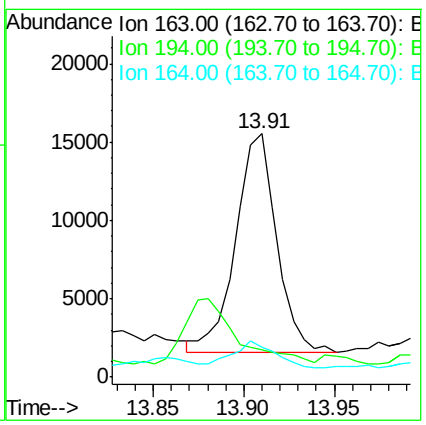


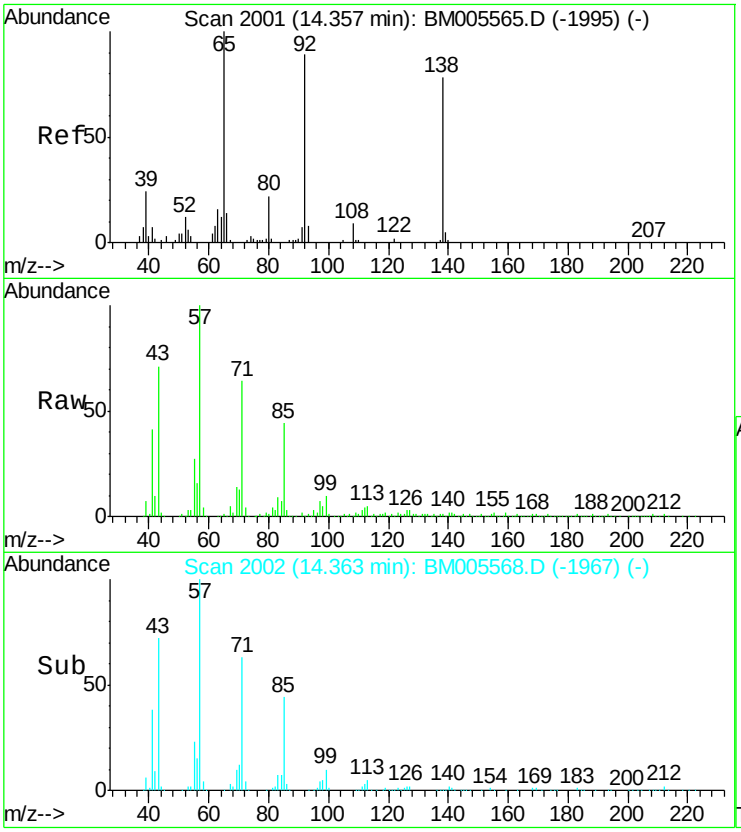


#44
Dimethylphthalate
Concen: 1.47 ng/ul
RT: 13.91 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:163 Resp: 22003

Ion	Ratio	Lower	Upper
163	100		
194	11.3	3.4	5.0#
164	12.2	8.0	12.0#



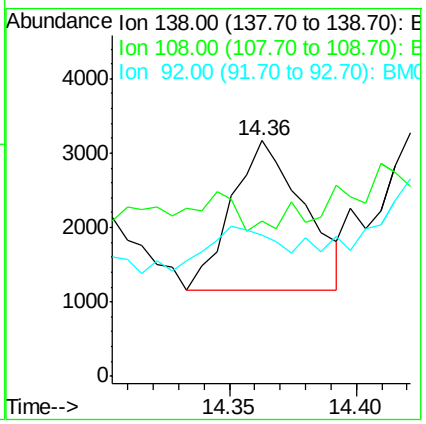


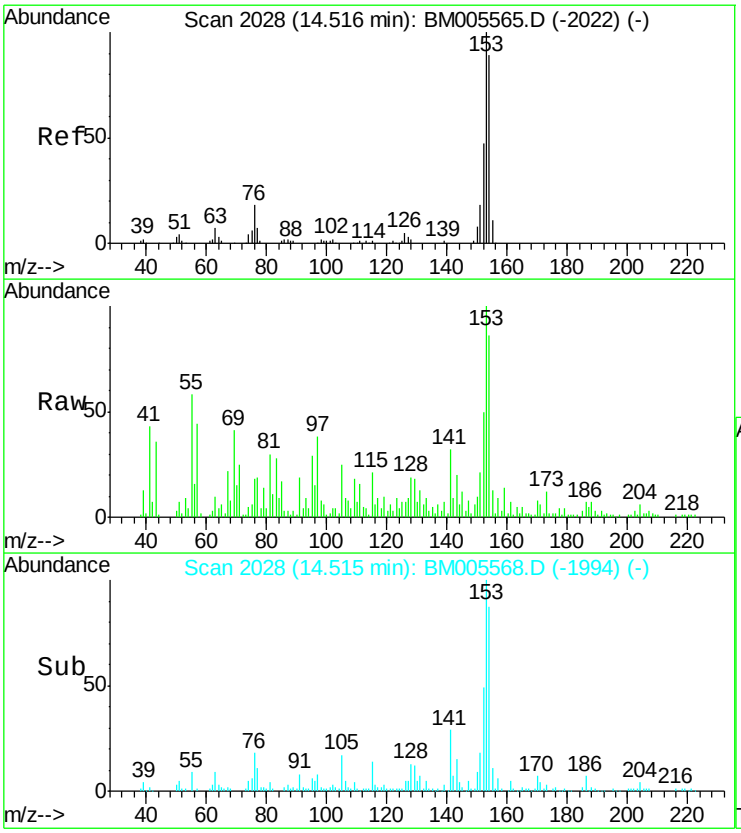
#48
3-Nitroaniline
Concen: 1.43 ng/ul
RT: 14.36 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:138 Resp: 4003

Ion	Ratio	Lower	Upper
138	100		
108	65.9	9.1	13.7#
92	60.1	92.8	139.2#

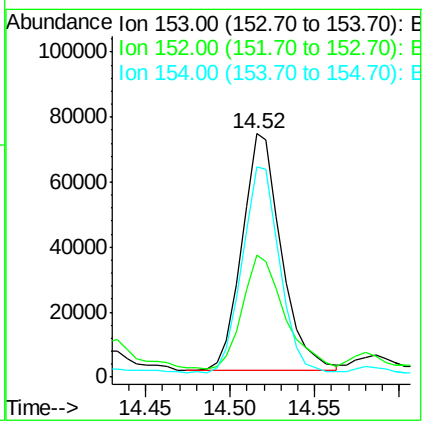


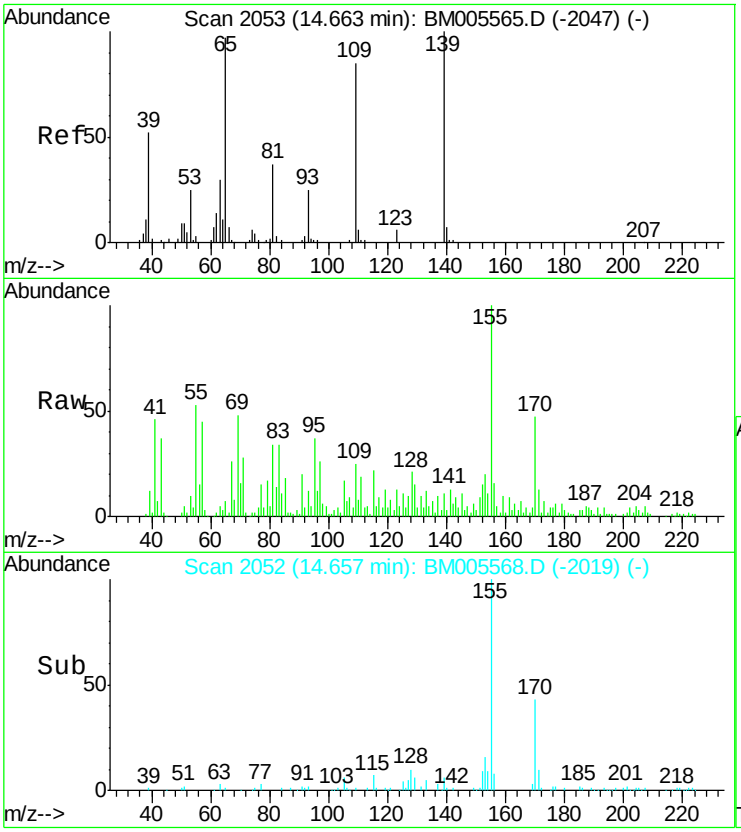


#49
Acenaphthene
Concen: 9.31 ng/ul
RT: 14.52 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:153 Resp: 117923

Ion	Ratio	Lower	Upper
153	100		
152	50.3	37.8	56.6
154	86.5	71.1	106.7



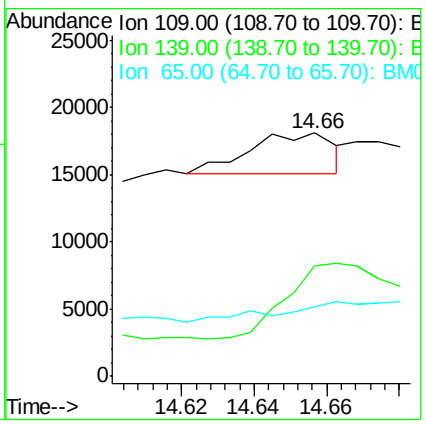


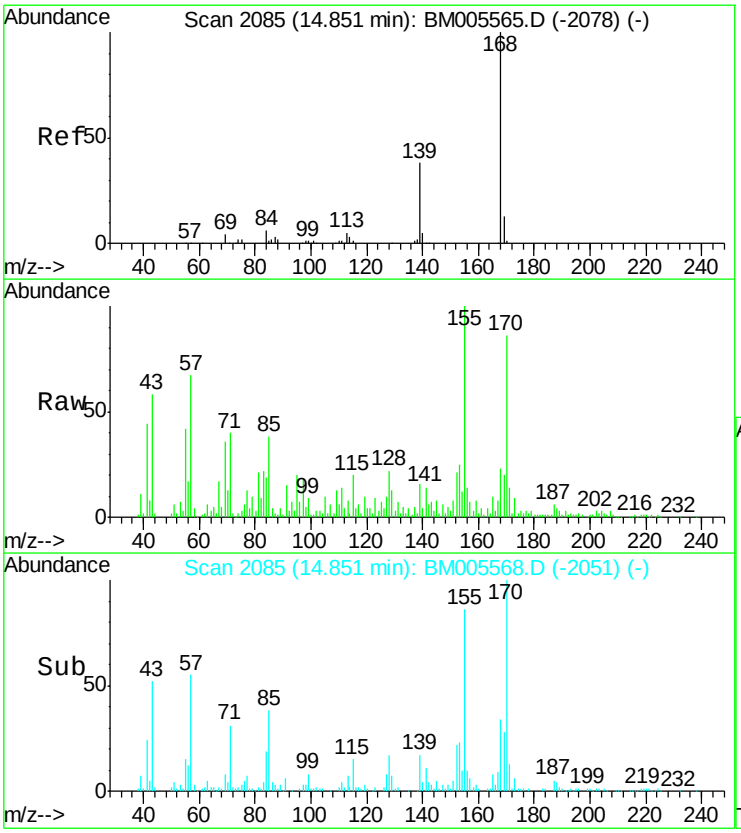
#52
4-Nitrophenol
Concen: 1.71 ng/ul
RT: 14.66 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:109 Resp: 4910

Ion	Ratio	Lower	Upper
109	100		
139	45.3	87.5	131.3#
65	28.4	90.2	135.2#

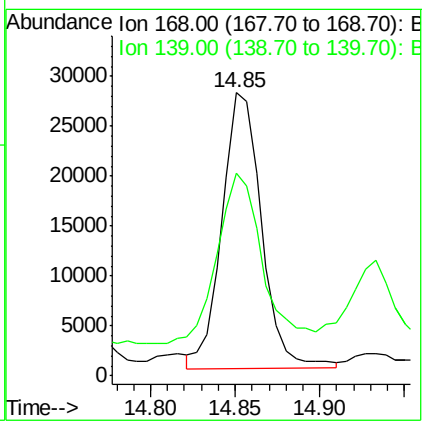


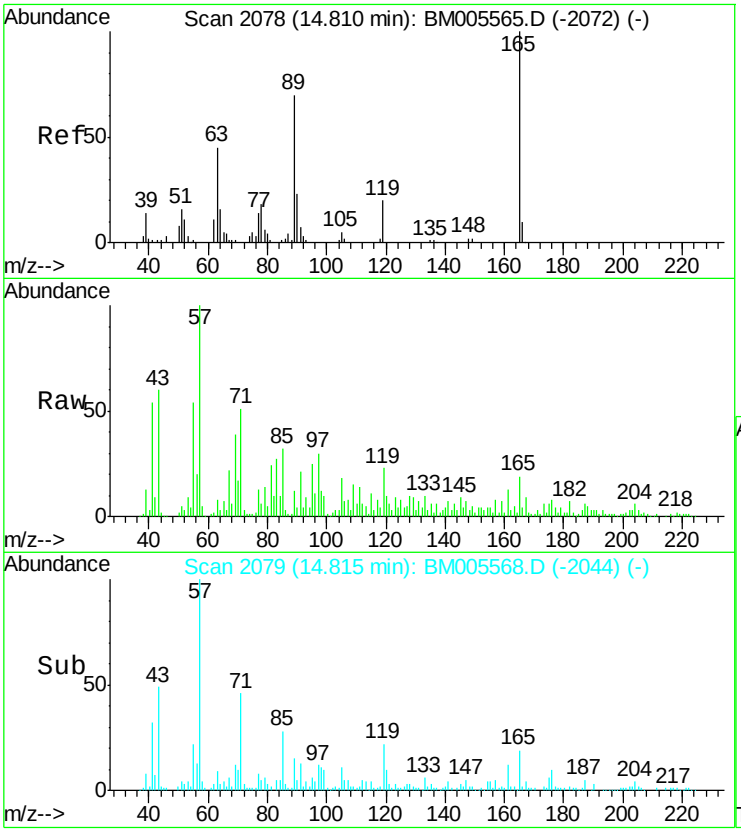


#53
Dibenzofuran
Concen: 2.49 ng/ul
RT: 14.85 min Scan# 2085
Delta R.T. -0.00 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:168 Resp: 44971

Ion	Ratio	Lower	Upper
168	100		
139	71.5	30.6	46.0#



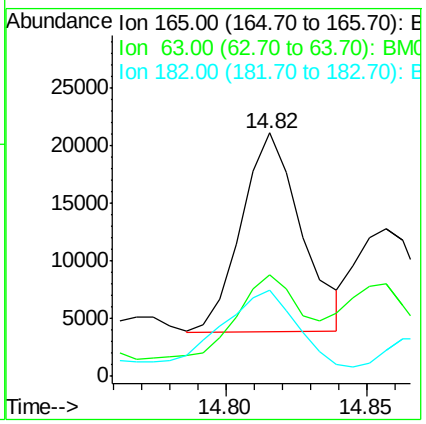


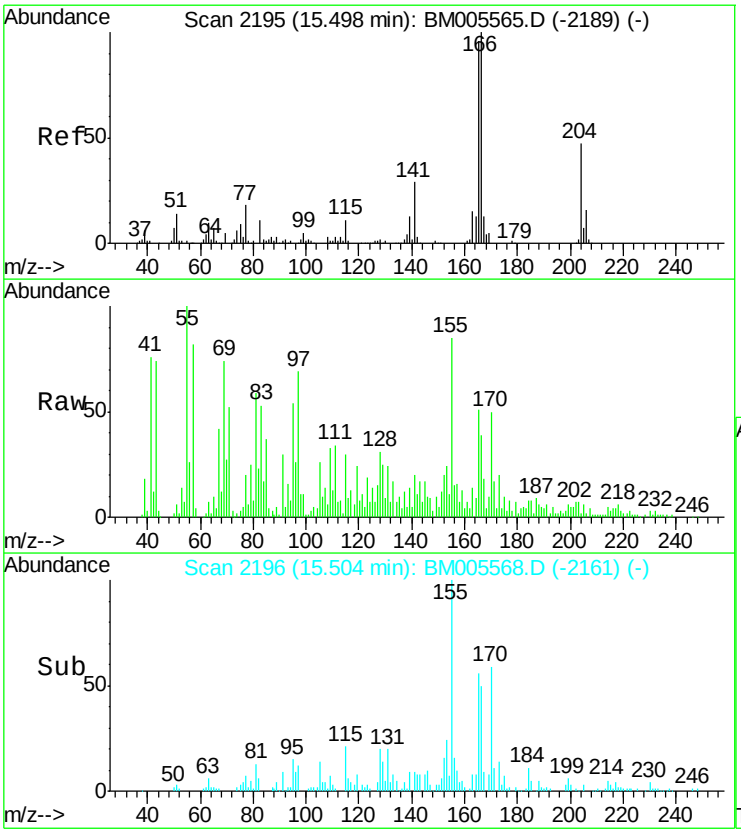
#54
2,4-Dinitrotoluene
Concen: 5.81 ng/ul
RT: 14.82 min Scan# 2079
Delta R.T. 0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:165 Resp: 25611

Ion	Ratio	Lower	Upper
165	100		
63	41.8	33.9	50.9
182	35.6	2.3	3.5#

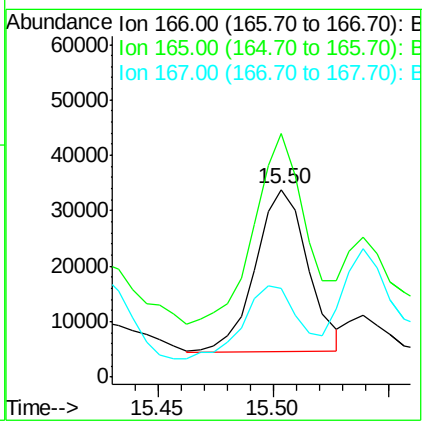


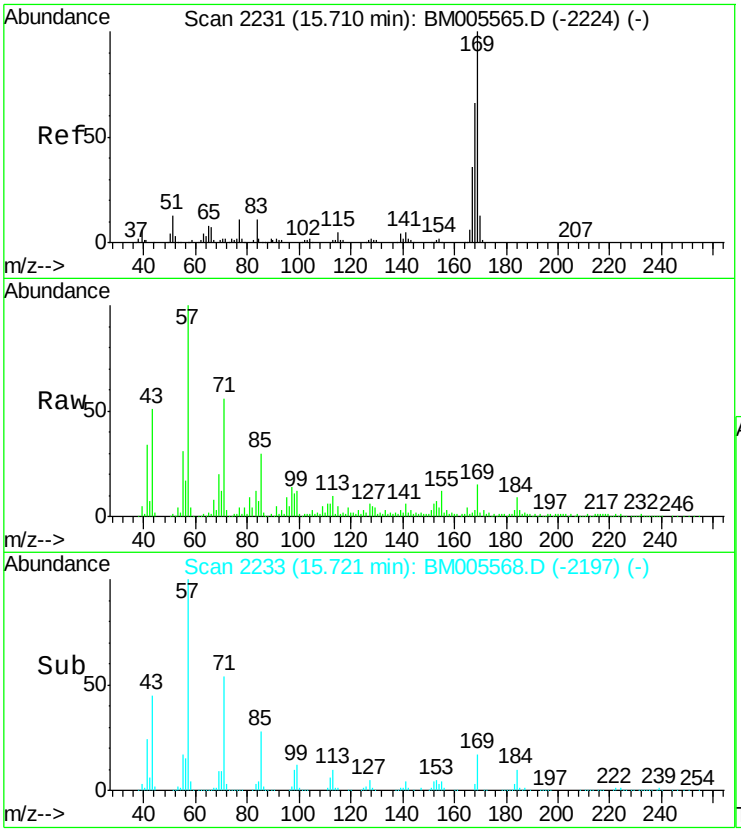


#58
Fluorene
Concen: 3.17 ng/ul
RT: 15.50 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:166 Resp: 45908

Ion	Ratio	Lower	Upper
166	100		
165	129.6	78.0	117.0#
167	47.1	10.5	15.7#



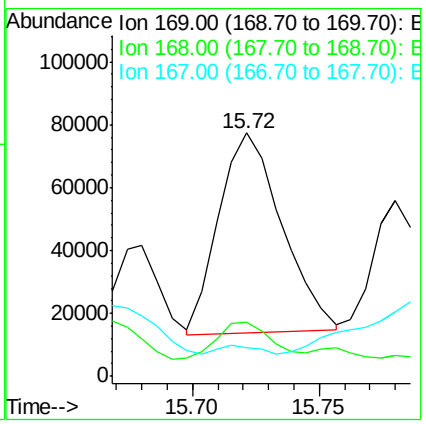


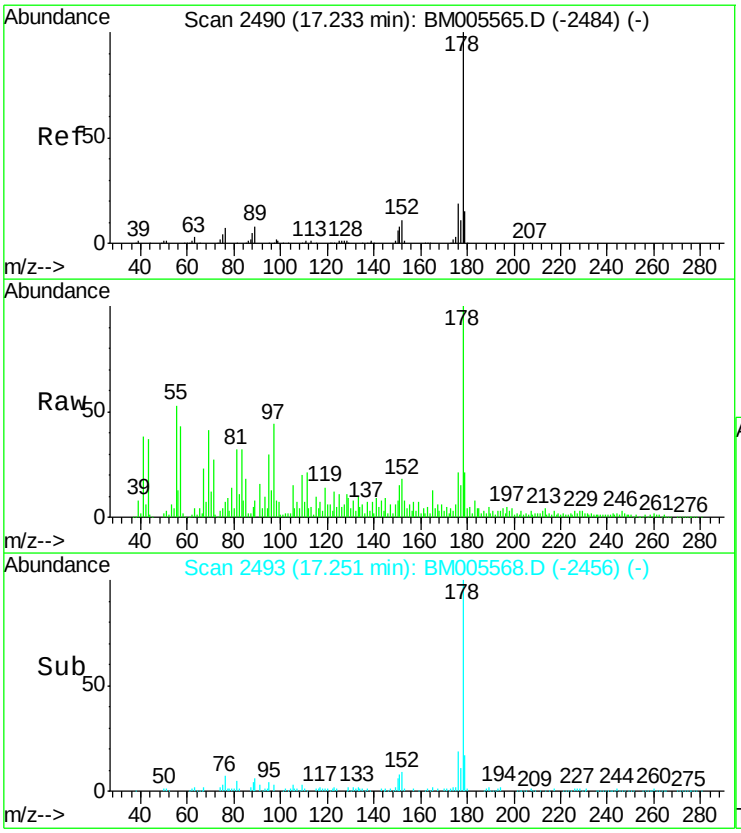
#64
N-Nitrosodiphenylamine
Concen: 11.28 ng/ul
RT: 15.72 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:169 Resp: 109564

Ion	Ratio	Lower	Upper
169	100		
168	22.2	53.2	79.8#
167	11.9	28.9	43.3#

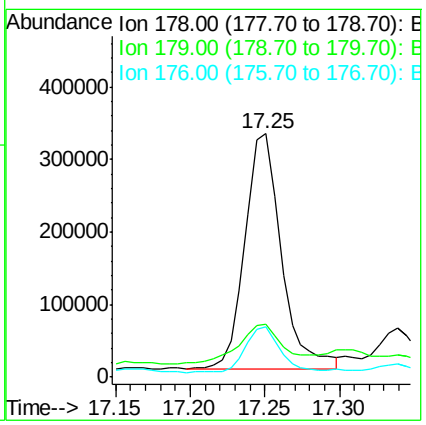


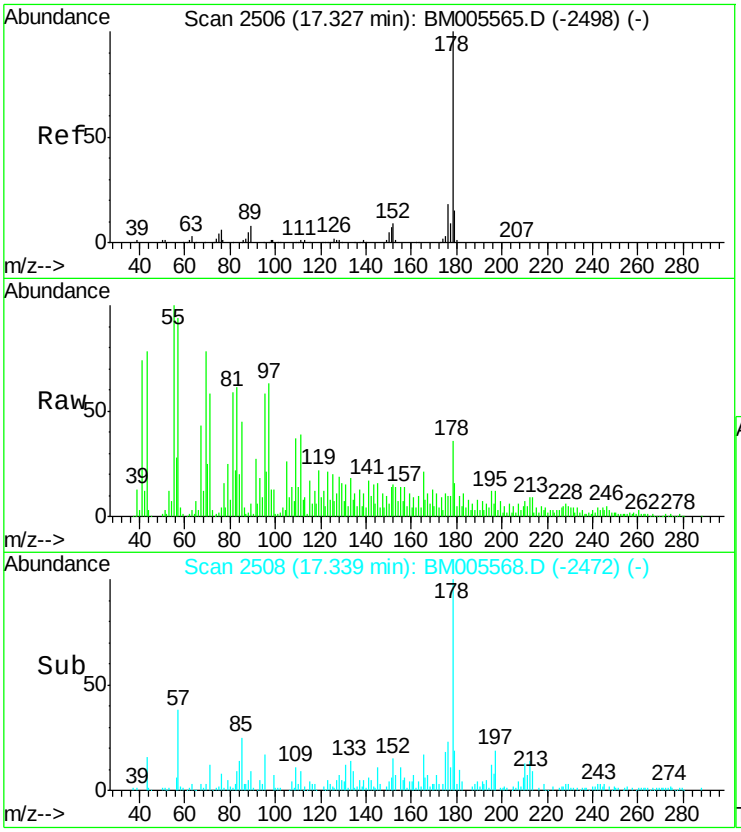


#69
Phenanthrene
Concen: 30.39 ng/ul
RT: 17.25 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:178 Resp: 543898

Ion	Ratio	Lower	Upper
178	100		
179	21.5	12.2	18.2#
176	20.5	15.8	23.6



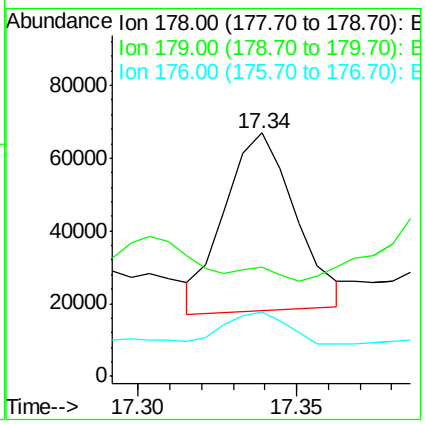


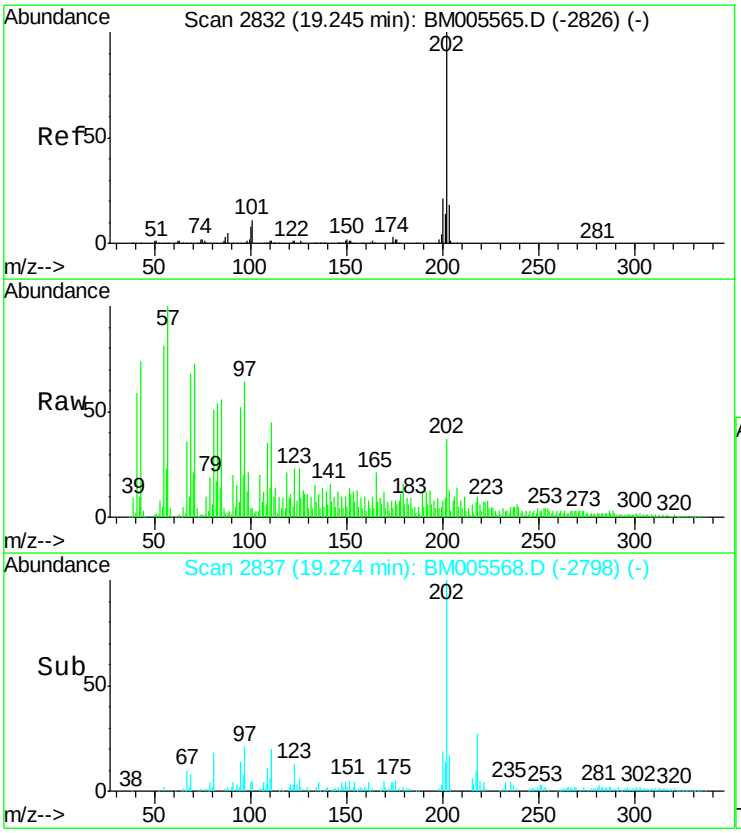
#71
Anthracene
Concen: 4.14 ng/ul
RT: 17.34 min Scan# 2508
Delta R.T. 0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:178 Resp: 75549

Ion	Ratio	Lower	Upper
178	100		
179	44.6	12.6	18.8#
176	26.7	15.0	22.4#

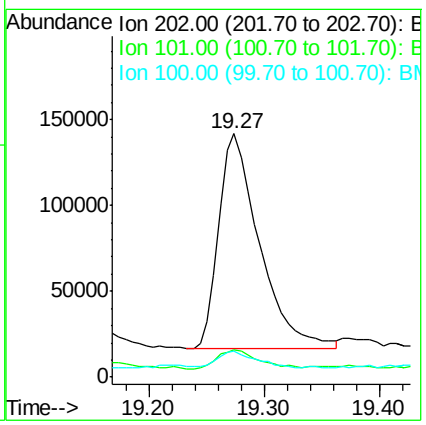


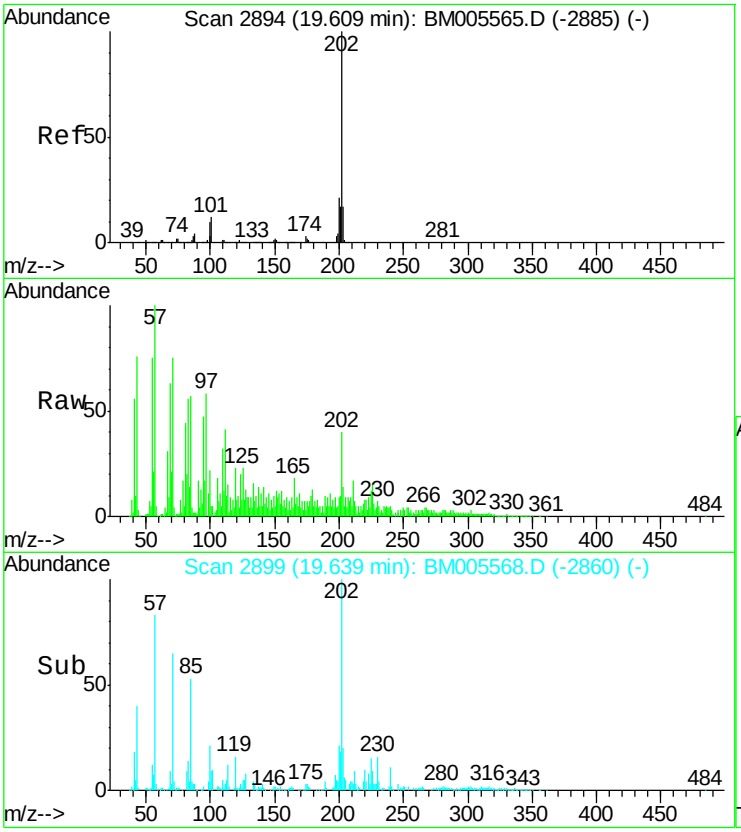


#74
Fluoranthene
Concen: 15.31 ng/ul
RT: 19.27 min Scan# 2837
Delta R.T. 0.03 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:202 Resp: 308395

Ion	Ratio	Lower	Upper
202	100		
101	11.4	7.9	11.9
100	10.5	5.6	8.4#



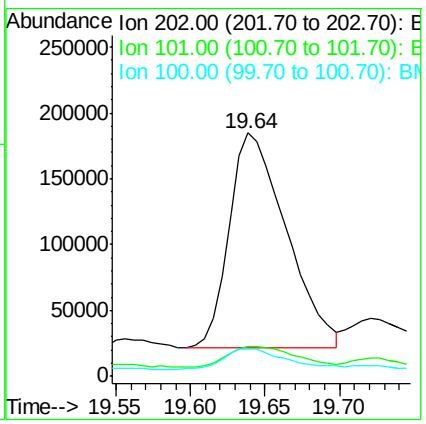


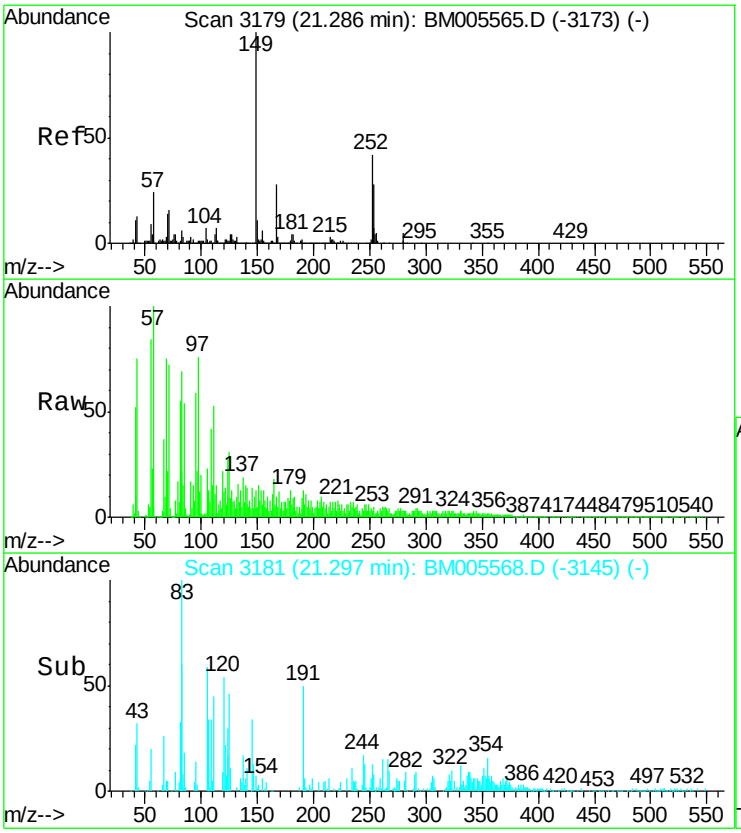
#77
Pyrene
Concen: 25.31 ng/ul
RT: 19.64 min Scan# 2899
Delta R.T. 0.03 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:202 Resp: 432988

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.6	14.4
100	11.4	7.8	11.6

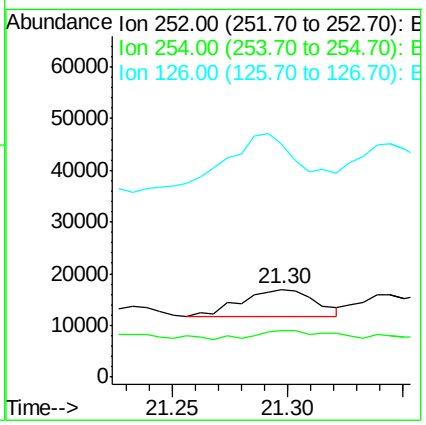


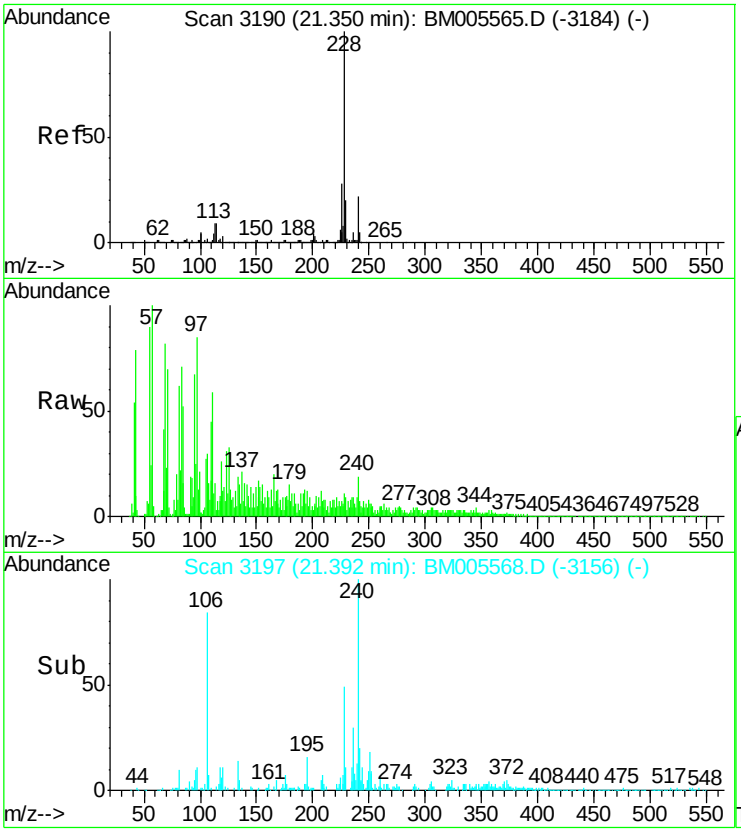


#79
3,3'-Dichlorobenzidine
Concen: 2.09 ng/ul
RT: 21.30 min Scan# 3181
Delta R.T. 0.01 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:252 Resp: 11279

Ion	Ratio	Lower	Upper
252	100		
254	53.1	51.7	77.5
126	265.9	7.9	11.9#



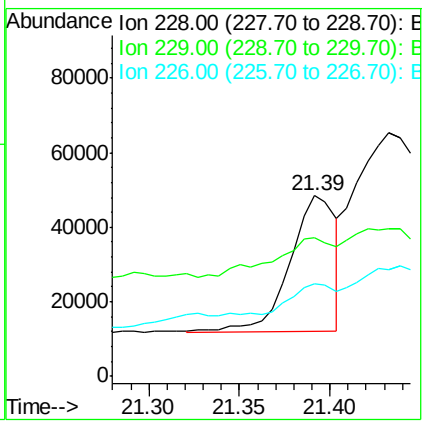


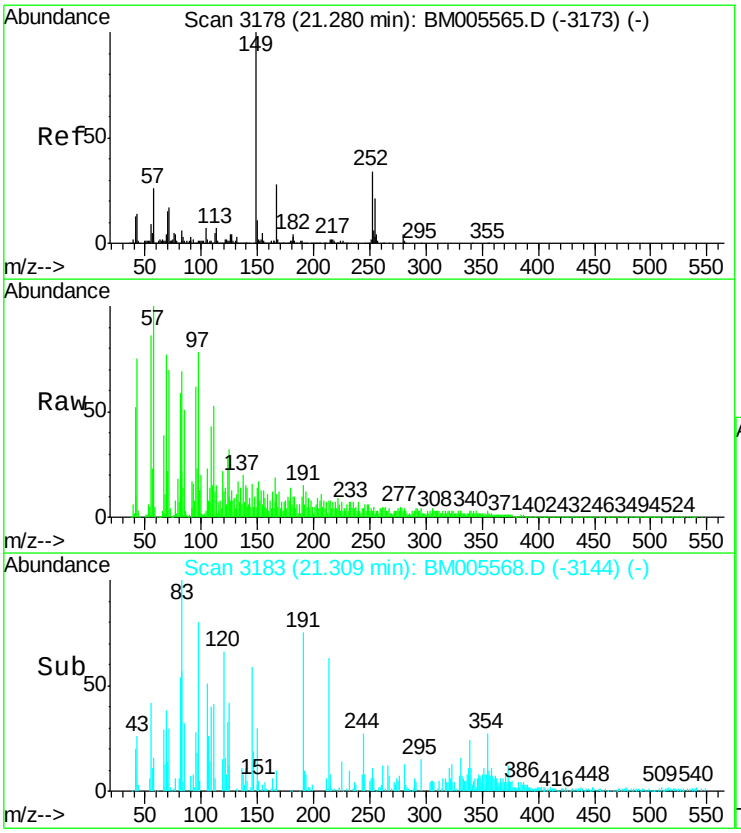
#80
Benzo(a)anthracene
Concen: 3.69 ng/ul
RT: 21.39 min Scan# 3197
Delta R.T. 0.04 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:228 Resp: 64609

Ion	Ratio	Lower	Upper
228	100		
229	77.1	15.4	23.2#
226	51.3	21.0	31.4#

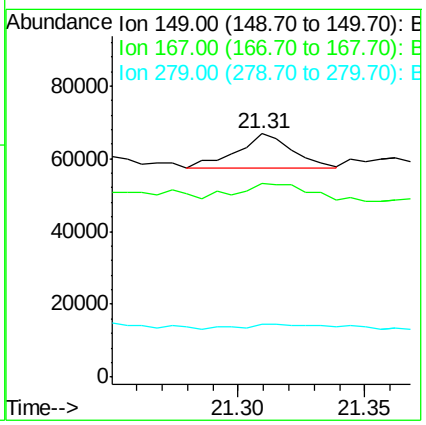


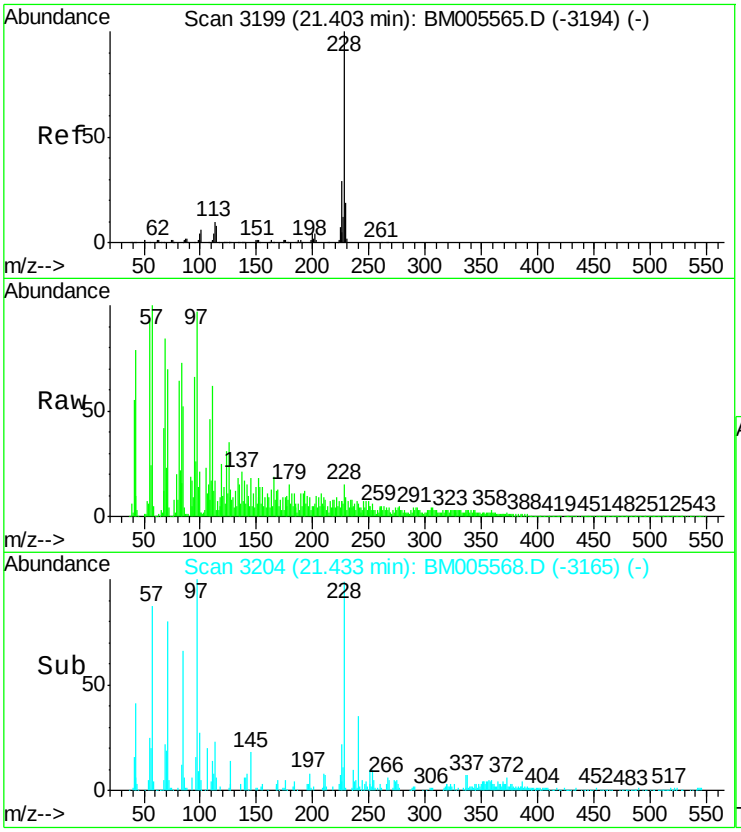


#81
Bis(2-ethylhexyl)phthalate
Concen: 1.37 ng/ul
RT: 21.31 min Scan# 3183
Delta R.T. 0.03 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:149 Resp: 13947

Ion	Ratio	Lower	Upper
149	100		
167	79.6	22.0	33.0#
279	21.7	3.8	5.8#



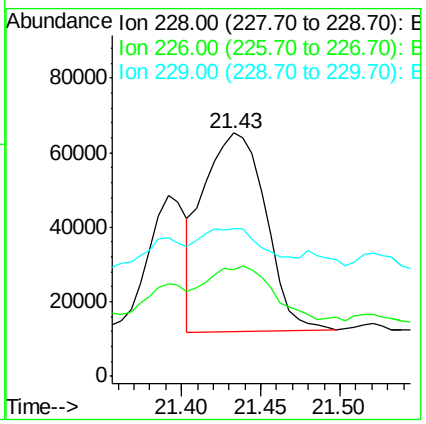


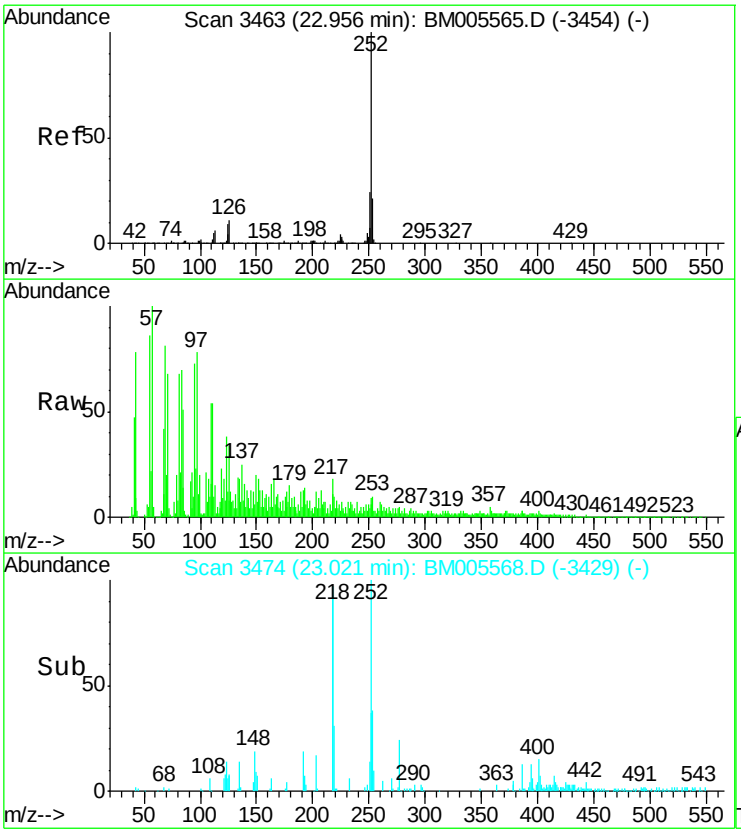
#82
Chrysene
Concen: 8.70 ng/ul
RT: 21.43 min Scan# 3204
Delta R.T. 0.03 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:228 Resp: 144710

Ion	Ratio	Lower	Upper
228	100		
226	44.0	23.7	35.5#
229	60.4	15.5	23.3#

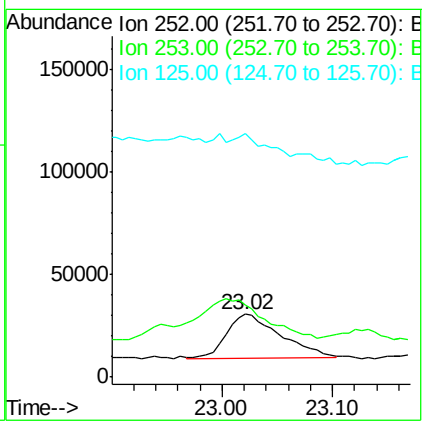


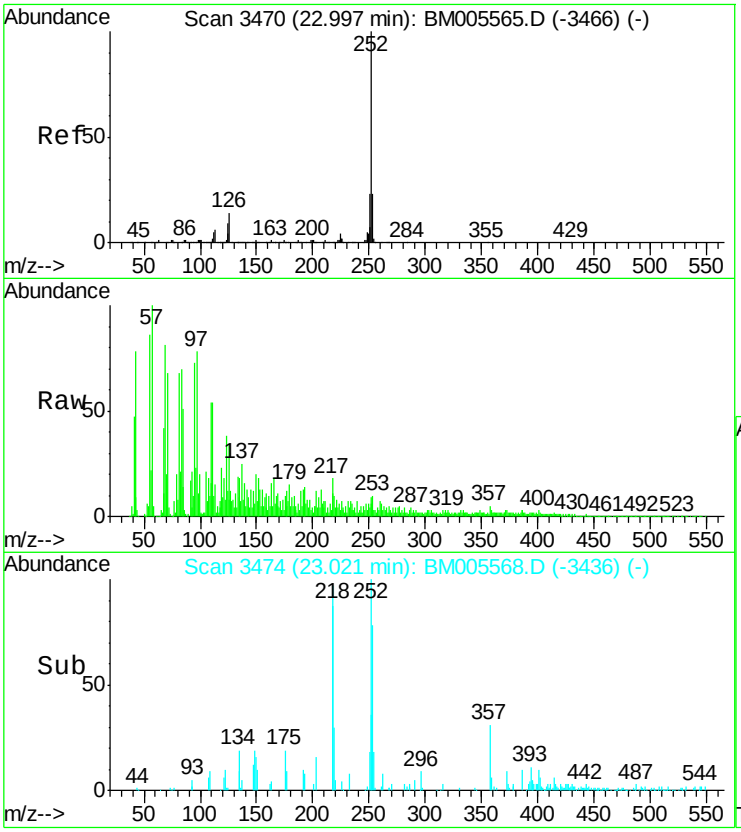


#85
Benzo(b)fluoranthene
Concen: 3.20 ng/ul
RT: 23.02 min Scan# 3474
Delta R.T. 0.06 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Tgt Ion:252 Resp: 72050

Ion	Ratio	Lower	Upper
252	100		
253	114.1	17.3	25.9#
125	387.8	7.0	10.4#





#86
Benzo(k)fluoranthene
Concen: 3.38 ng/ul
RT: 23.02 min Scan# 3474
Delta R.T. 0.02 min
Lab File: BM005568.D
Acq: 22 May 2016 01:49

Instrument :
BNA_M
ClientSampleId :
E5NG0MSD

Tgt Ion:252 Resp: 72050

Ion	Ratio	Lower	Upper
252	100		
253	114.1	17.5	26.3#
125	387.8	7.0	10.6#