Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003675.D
Acq On : 21 Dec 2015 03:36
Operator : UM/SJ
Sample : G4867-10MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DA5MSD

Quant Time: Dec 21 05:56:07 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 03:56:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	20219	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	102703	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.35	164	65861	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	165366	20.00	ng/ul	0.00
78) Chrysene-d12	21.30	240	223298	20.00	ng/ul	0.00
86) Perylene-d12	23.55	264	219661	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.87	99	12919	7.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	29145	32.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	39242	28.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	27121	18.38	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	26250	35.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	30049	35.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	51564	33.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	1689	0.83	ng/ul	0.00
44) Dimethylphthalate-d6	13.76	166	188916	34.71	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	227969	36.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	8372	7.90	ng/ul	0.00
58) Fluorene-d10	15.34	176	166659	37.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	28290	30.35	ng/ul	0.00
71) Anthracene-d10	17.20	188	282606	37.56	ng/ul	0.00
79) Pyrene-d10	19.50	212	347398	35.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.41	264	410420	37.61	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	6.90	94	14431	8.04	ng/ul	97
10) 2-Chlorophenol	7.26	128	40219	27.83	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.50	70	37426	33.51	ng/ul	98
17) Hexachloroethane	8.80	117	1675	3.05	ng/ul#	7
33) 4-Chloro-3-methylphenol	11.78	107	58325	31.26	ng/ul	96
45) Dimethylphthalate	13.80	163	31658	5.69	ng/ul	98
46) 2,6-Dinitrotoluene	13.76	165	1240	1.14	ng/ul#	32
48) Acenaphthylene	14.07	152	129166	19.06	ng/ul	99
50) Acenaphthene	14.42	153	157372	34.77	ng/ul	98
53) 4-Nitrophenol	14.58	109	7807	8.70	ng/ul	99
55) 2,4-Dinitrotoluene	14.72	165	59130	35.88	ng/ul	99
57) Diethylphthalate	15.17	149	11128	1.89	ng/ul	98
59) Fluorene	15.42	166	11792	2.27	ng/ul#	50
69) Pentachlorophenol	16.75	266	40582	39.28	ng/ul	100
70) Phenanthrene	17.14	178	11702	1.28	ng/ul#	91
72) Anthracene	17.23	178	35275	3.78	ng/ul	100
77) Fluoranthene	19.16	202	57851	5.50	ng/ul	99
80) Pyrene	19.53	202	565508	44.01	ng/ul	98
83) Benzo(a)anthracene	21.28	228	83225	6.18	ng/ul#	77
85) Chrysene	21.33	228	56209	4.33	ng/ul#	91
88) Benzo(b)fluoranthene	22.87	252	199791	15.09	ng/ul	98
89) Benzo(k)fluoranthene	22.87	252	163718	13.05	ng/ul	97
91) Benzo(a)pyrene	23.45	252	208492	16.46	ng/ul	99

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003675.D
Acq On : 21 Dec 2015 03:36
Operator : UM/SJ
Sample : G4867-10MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DA5MSD

Quant Time: Dec 21 05:56:07 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 03:56:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.81	276	106047	7.78	ng/ul	95
93) Dibenzo(a,h)anthracene	25.81	278	33895	2.96	ng/ul#	78
94) Benzo(g,h,i)perylene	26.51	276	124745	11.14	ng/ul	98

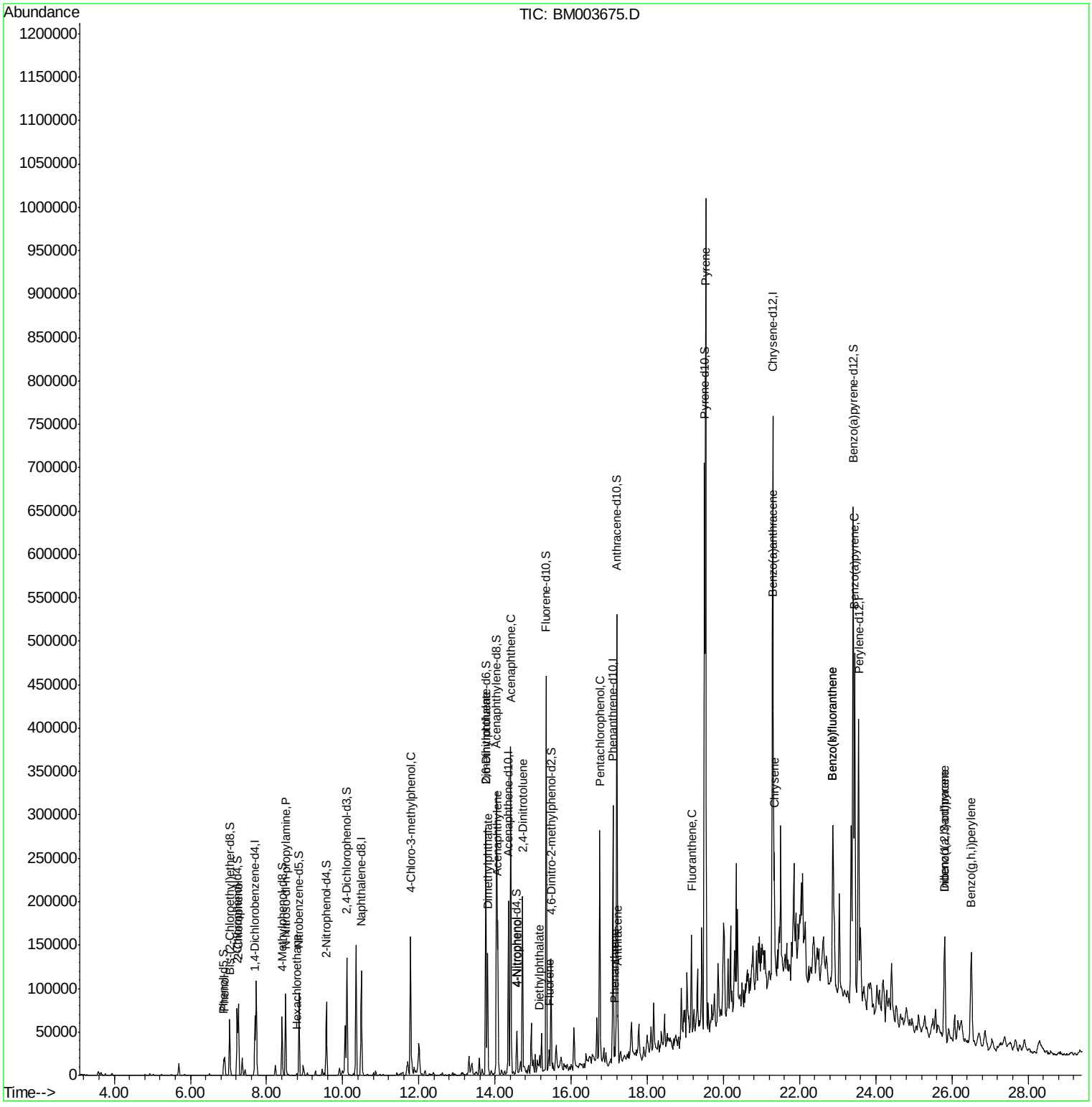
(#) = qualifier out of range (m) = manual integration (+) = signals summed

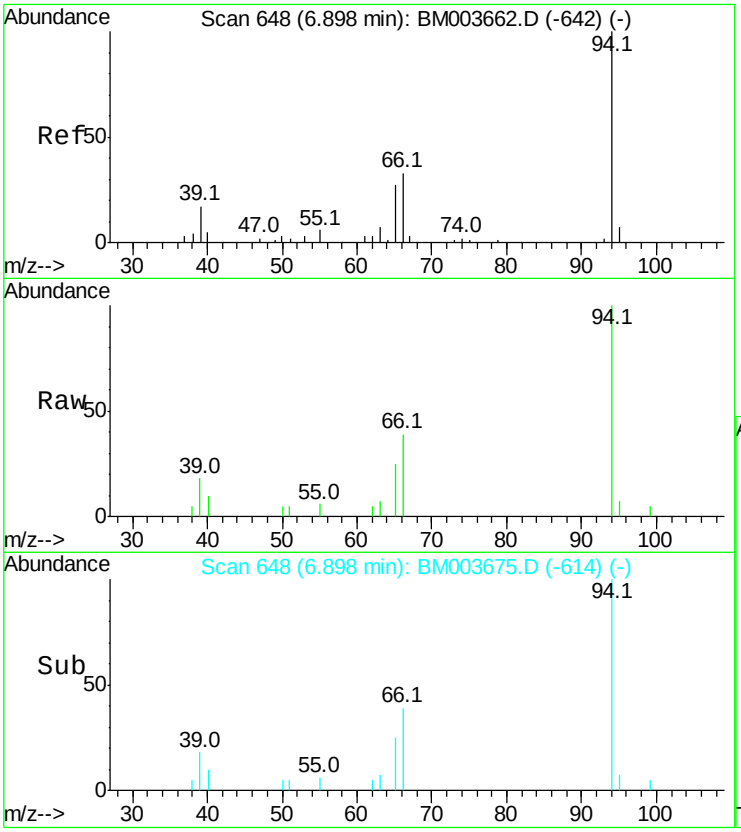
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003675.D
Acq On : 21 Dec 2015 03:36
Operator : UM/SJ
Sample : G4867-10MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Quant Time: Dec 21 05:56:07 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 03:56:12 2015
Response via : Initial Calibration



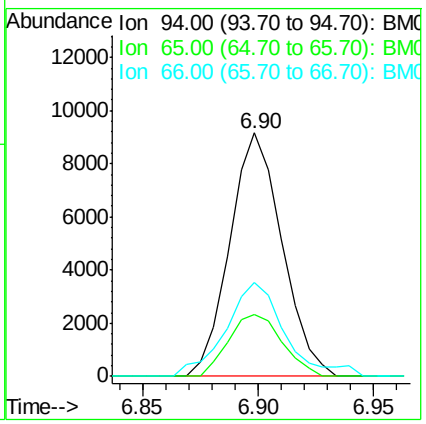


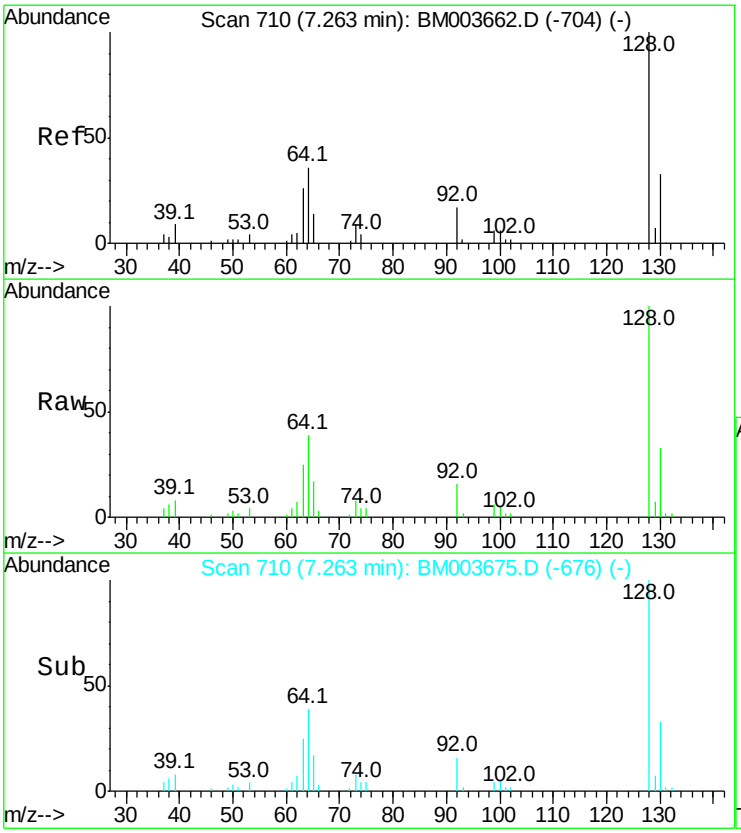
#6
Phenol
Concen: 8.04 ng/ul
RT: 6.90 min Scan# 648
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion: 94 Resp: 14431

Ion	Ratio	Lower	Upper
94	100		
65	25.3	21.0	31.6
66	38.8	29.3	43.9

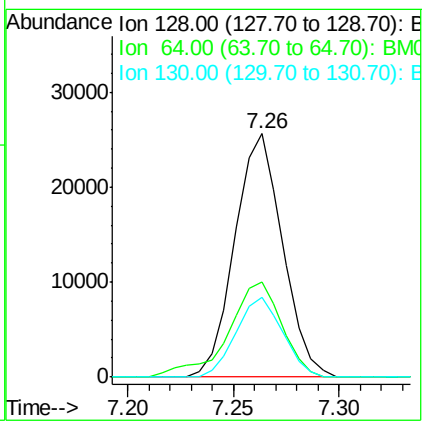


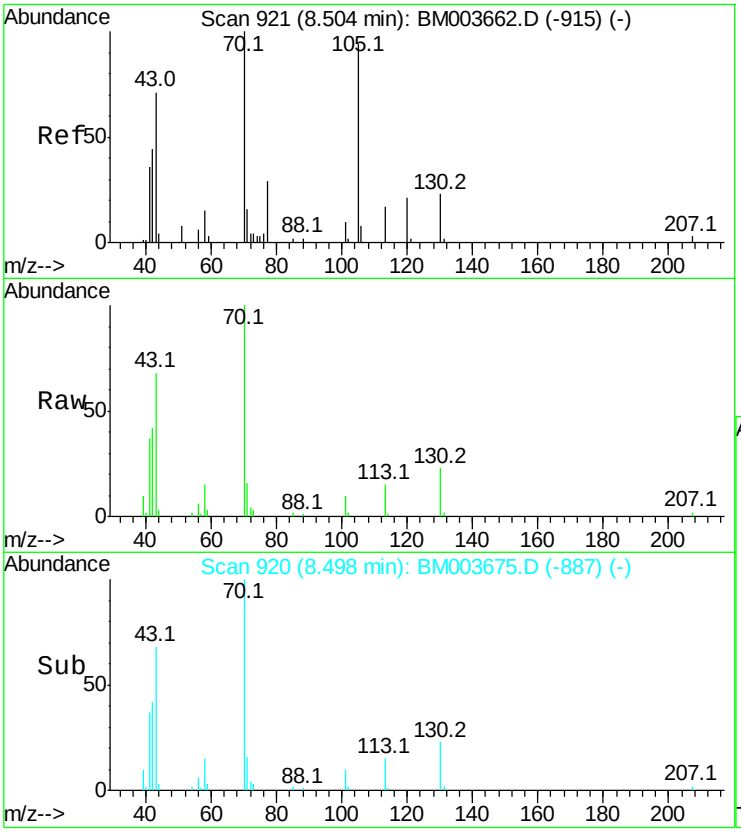


#10
2-Chlorophenol
Concen: 27.83 ng/ul
RT: 7.26 min Scan# 710
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:128 Resp: 40219

Ion	Ratio	Lower	Upper
128	100		
64	39.3	31.9	47.9
130	32.6	25.6	38.4



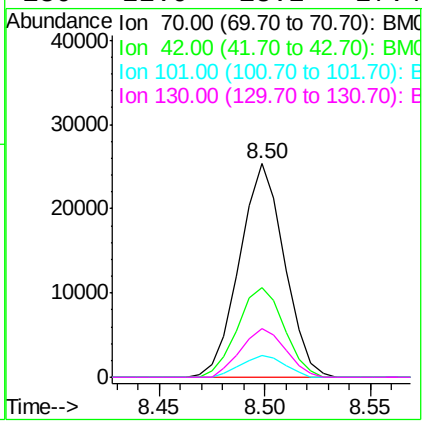


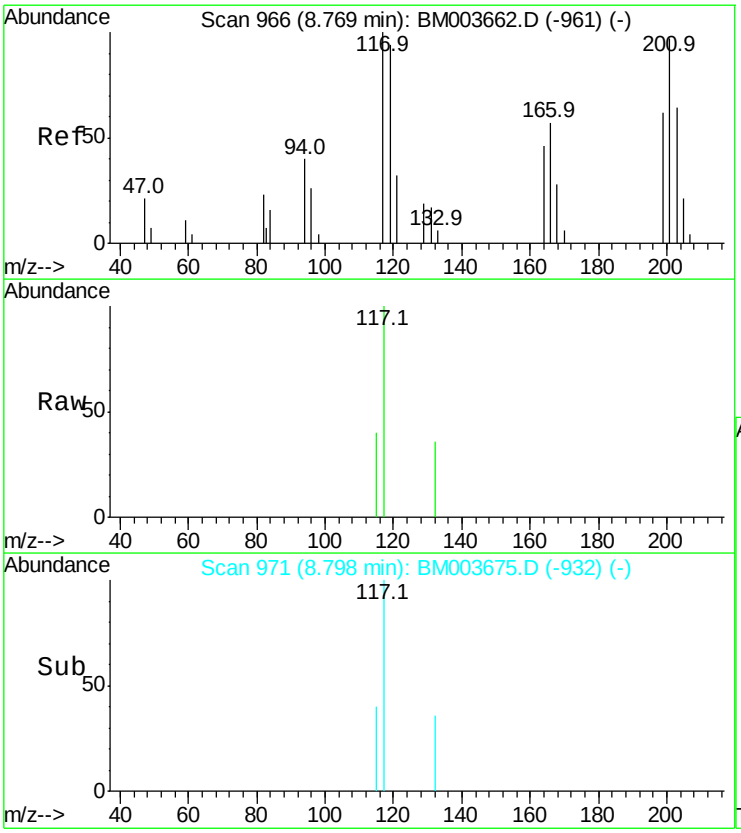
#15
N-Nitroso-di-n-propylamine
Concen: 33.51 ng/ul
RT: 8.50 min Scan# 920
Delta R.T. -0.01 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion: 70 Resp: 37426

Ion	Ratio	Lower	Upper
70	100		
42	42.2	35.4	53.0
101	10.1	8.4	12.6
130	22.9	18.2	27.4

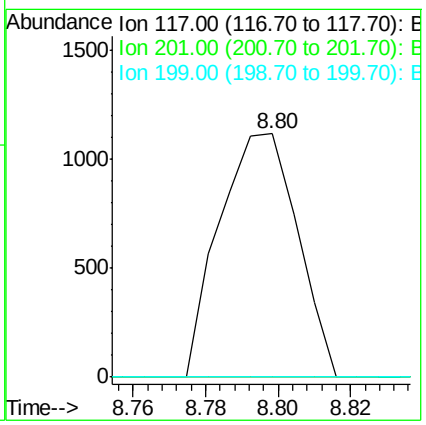


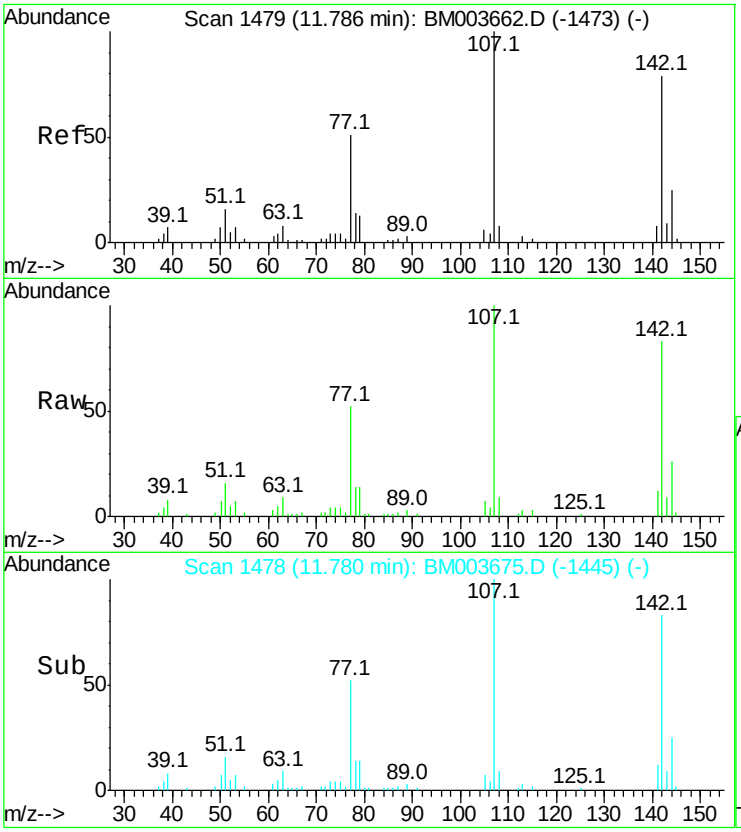


#17
Hexachloroethane
Concen: 3.05 ng/ul
RT: 8.80 min Scan# 971
Delta R.T. 0.03 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:117 Resp: 1675

Ion	Ratio	Lower	Upper
117	100		
201	0.0	81.5	122.3#
199	0.0	50.6	76.0#



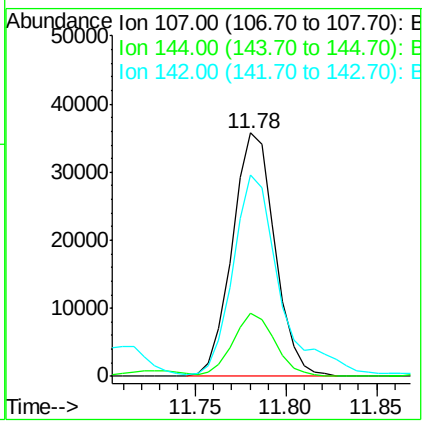


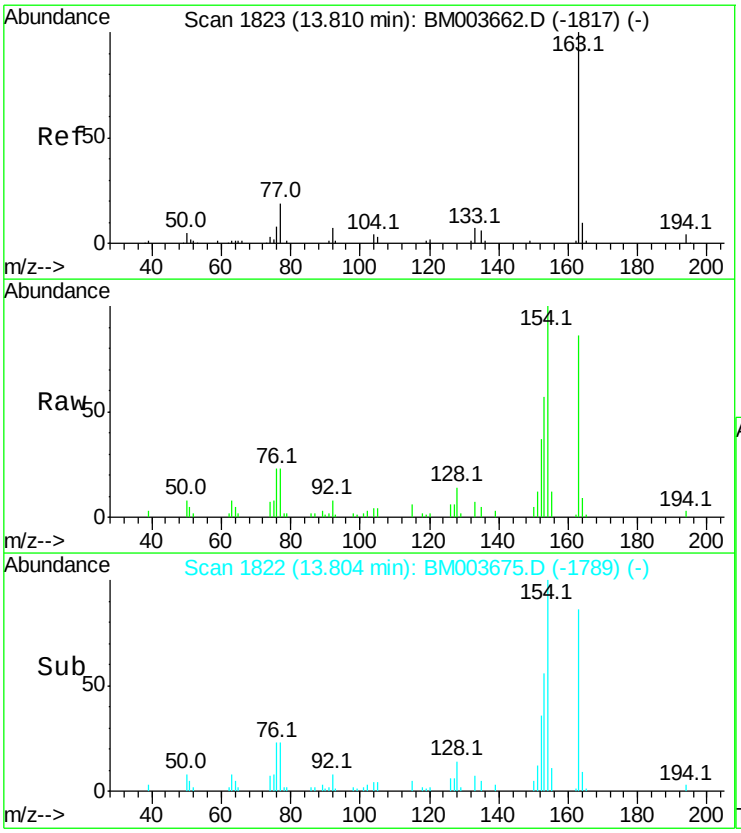
#33
4-Chloro-3-methylphenol
Concen: 31.26 ng/ul
RT: 11.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:107 Resp: 58325

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.4	30.6
142	82.9	62.5	93.7

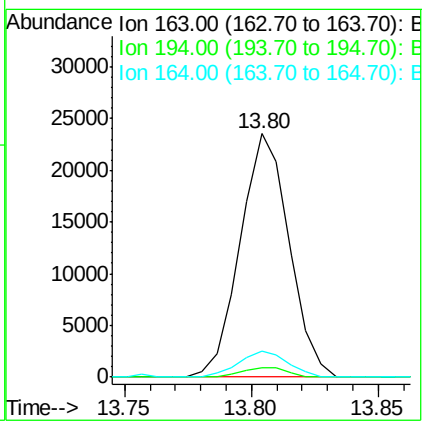


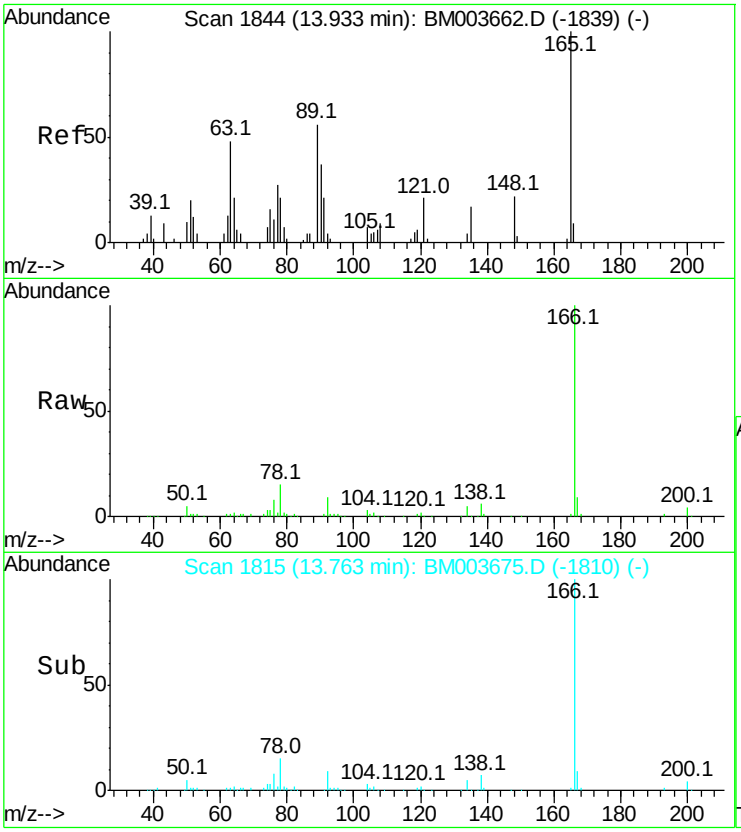


#45
Dimethylphthalate
Concen: 5.69 ng/ul
RT: 13.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:163 Resp: 31658

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.7	7.8	11.8



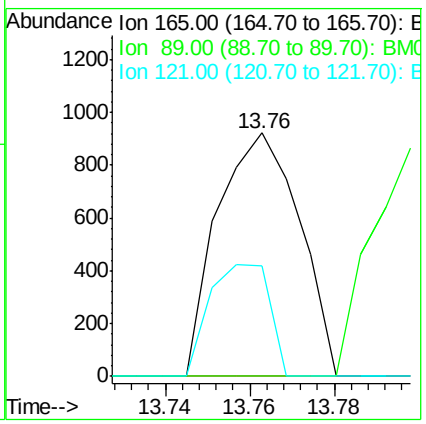


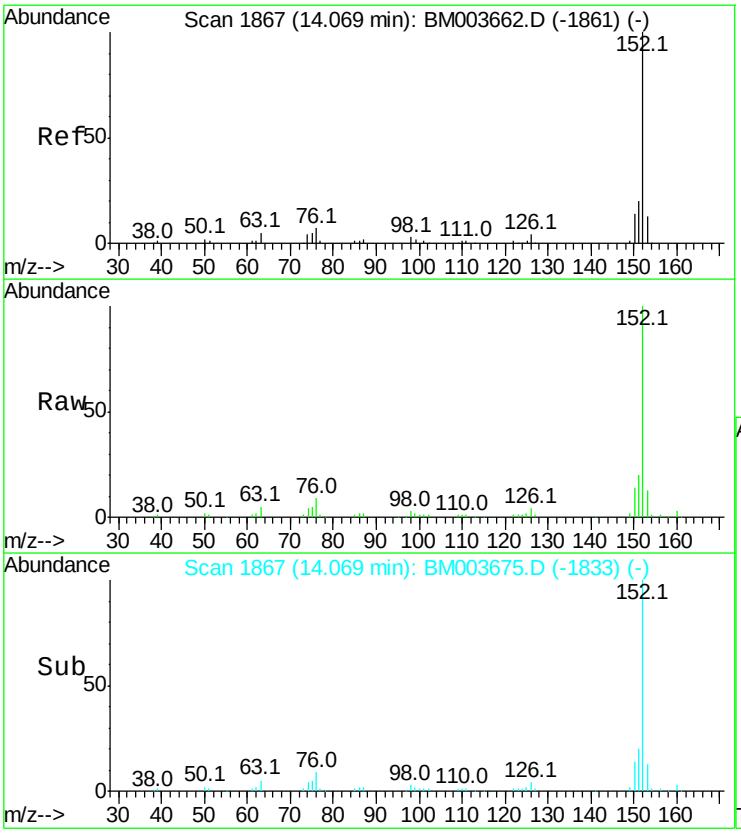
#46
2,6-Dinitrotoluene
Concen: 1.14 ng/ul
RT: 13.76 min Scan# 1815
Delta R.T. -0.17 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:165 Resp: 1240

Ion	Ratio	Lower	Upper
165	100		
89	0.0	42.4	63.6#
121	45.1	16.6	24.8#

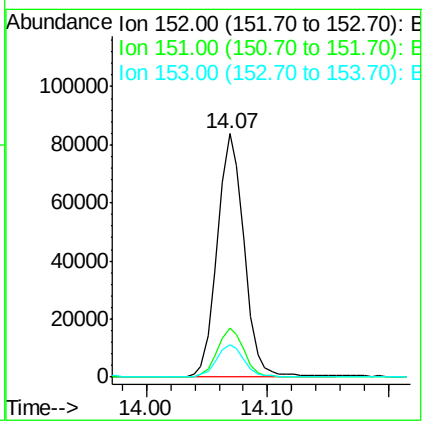


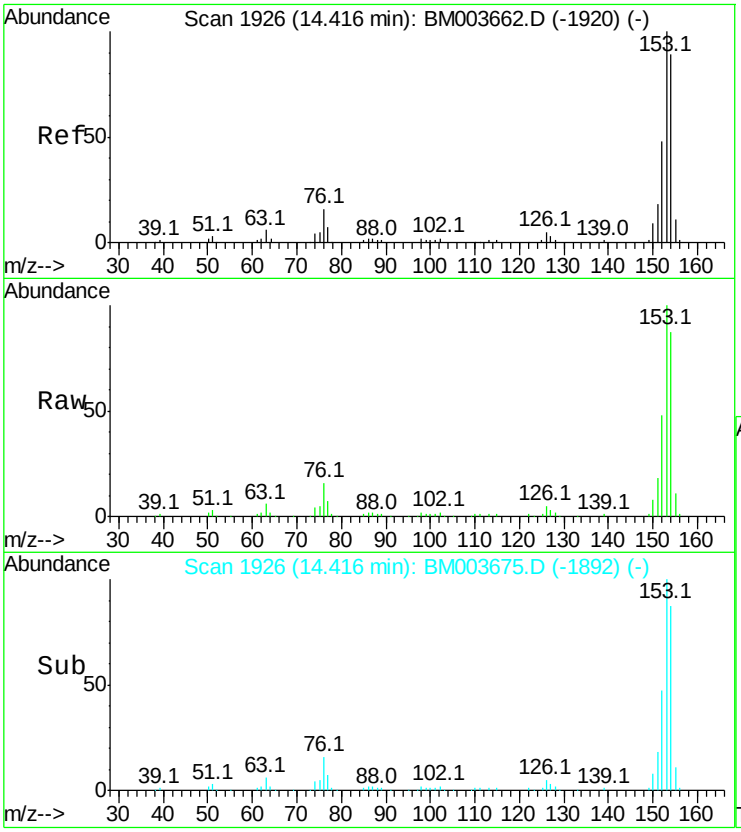


#48
Acenaphthylene
Concen: 19.06 ng/ul
RT: 14.07 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:152 Resp: 129166

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.2	10.5	15.7



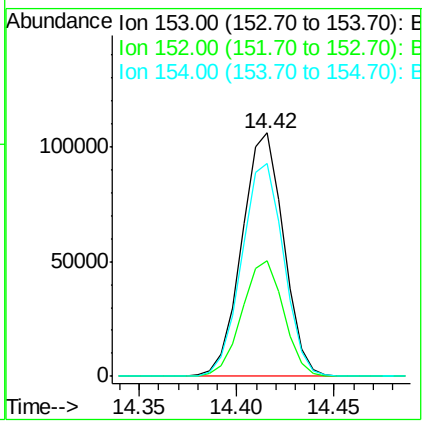


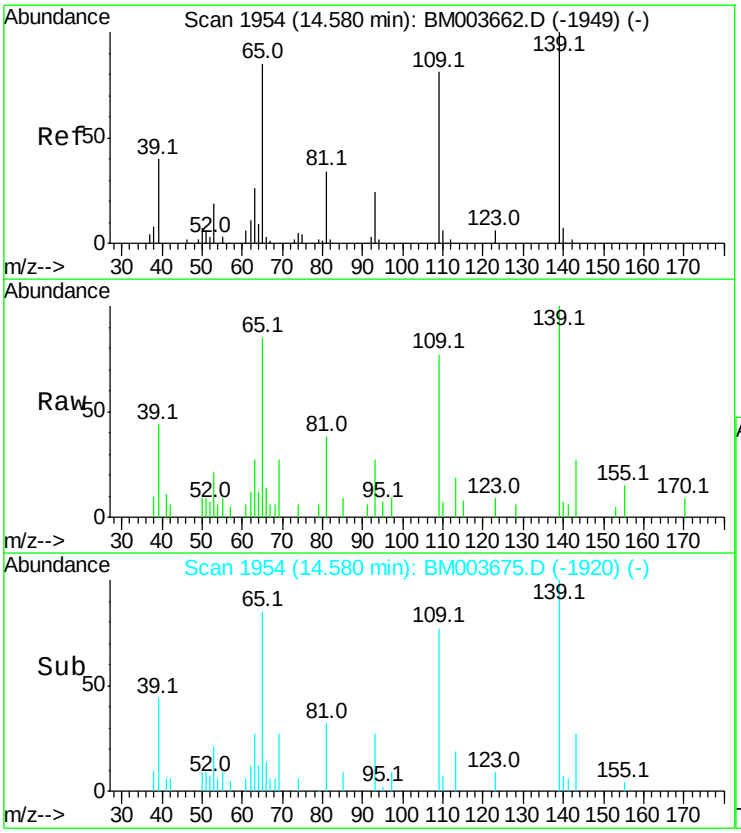
#50
Acenaphthene
Concen: 34.77 ng/ul
RT: 14.42 min Scan# 1926
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:153 Resp: 157372

Ion	Ratio	Lower	Upper
153	100		
152	47.5	38.3	57.5
154	87.2	71.8	107.8

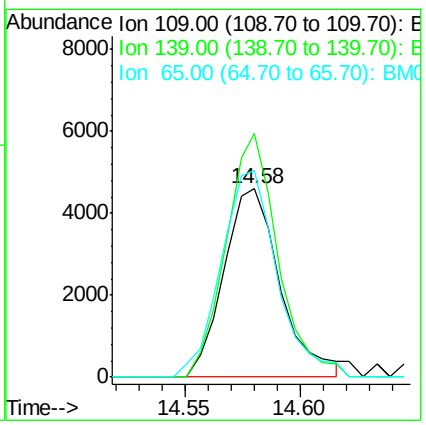


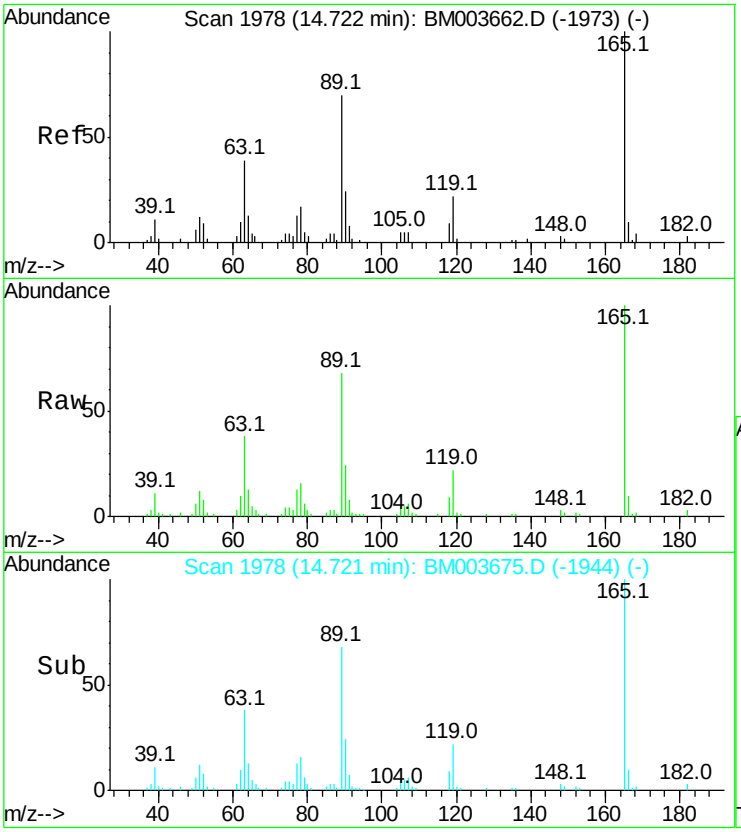


#53
4-Nitrophenol
Concen: 8.70 ng/ul
RT: 14.58 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:109 Resp: 7807

Ion	Ratio	Lower	Upper
109	100		
139	129.5	103.7	155.5
65	109.8	89.4	134.2



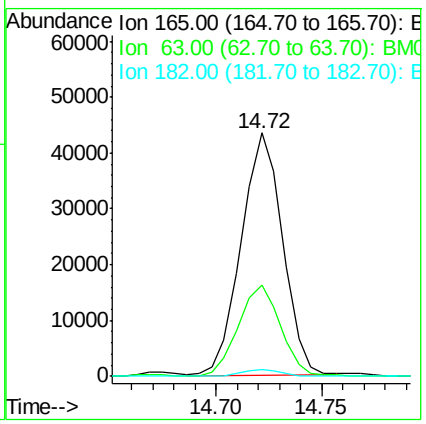


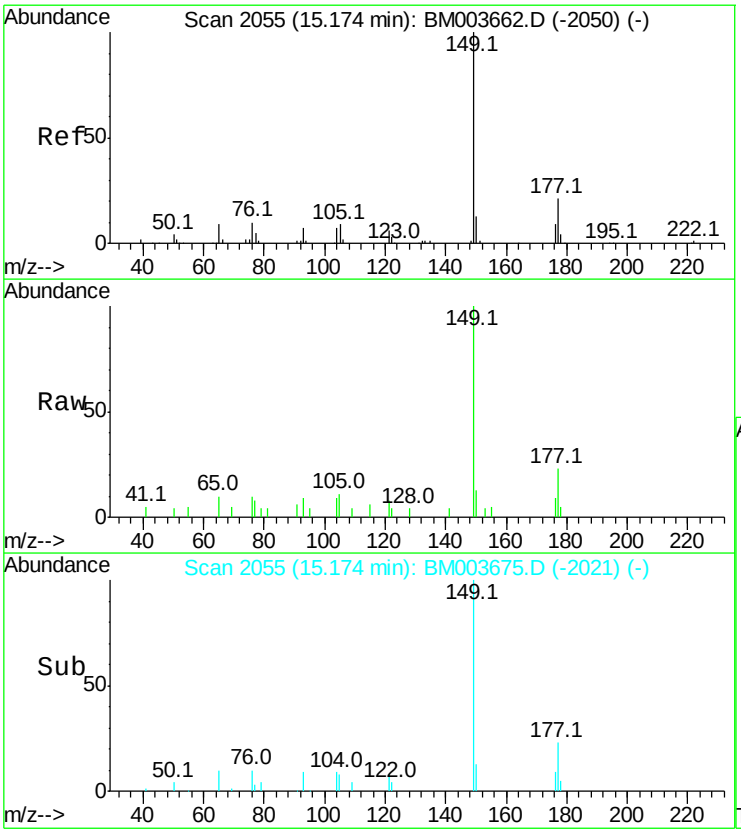
#55
2,4-Dinitrotoluene
Concen: 35.88 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:165 Resp: 59130

Ion	Ratio	Lower	Upper
165	100		
63	37.6	29.8	44.6
182	2.8	2.2	3.4

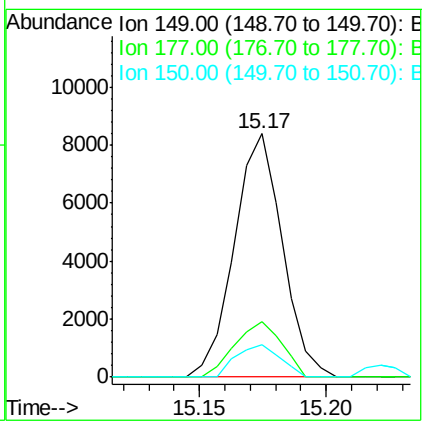


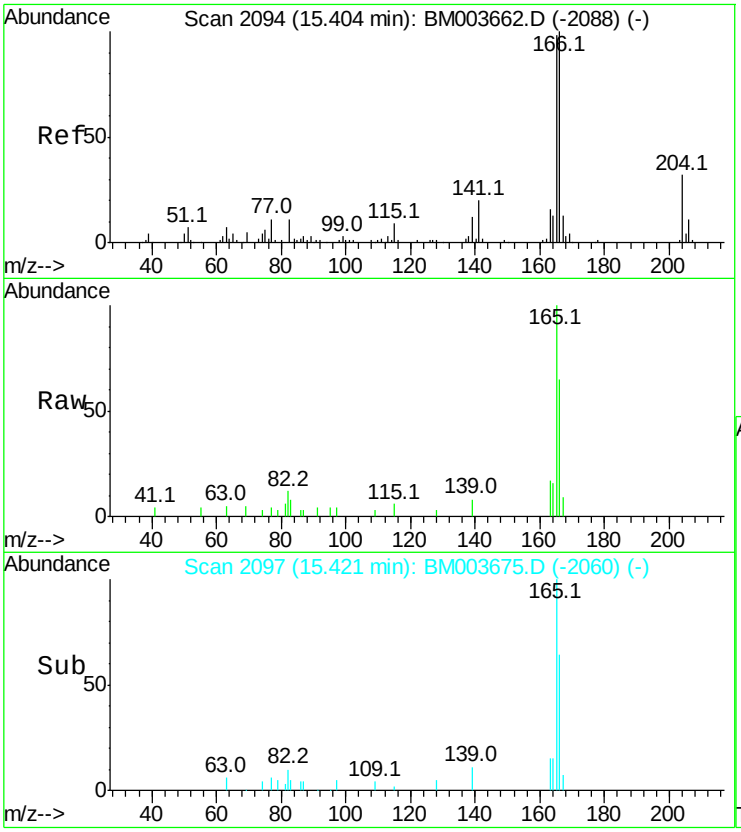


#57
Diethylphthalate
Concen: 1.89 ng/ul
RT: 15.17 min Scan# 2055
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:149 Resp: 11128

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.4	26.2
150	13.2	10.0	15.0



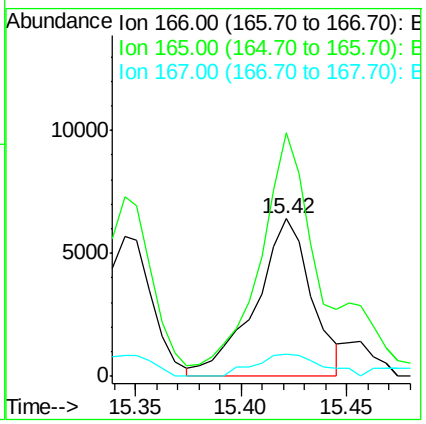


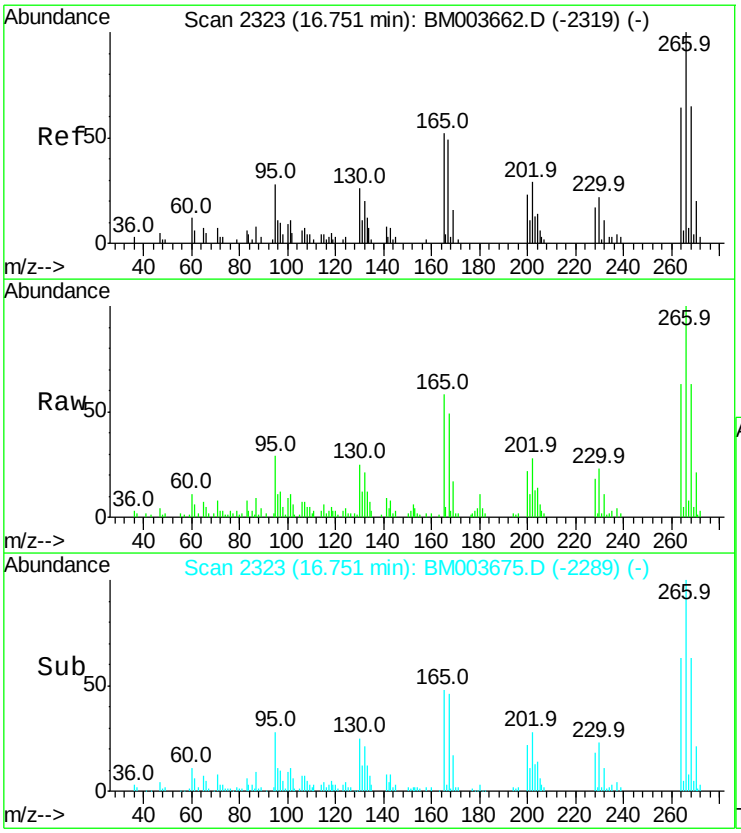
#59
Fluorene
Concen: 2.27 ng/ul
RT: 15.42 min Scan# 2097
Delta R.T. 0.02 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:166 Resp: 11792

Ion	Ratio	Lower	Upper
166	100		
165	154.3	78.5	117.7#
167	13.8	10.7	16.1

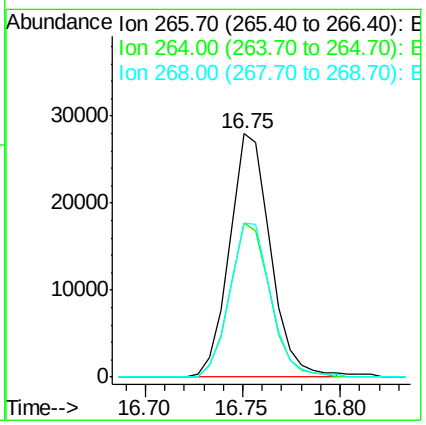


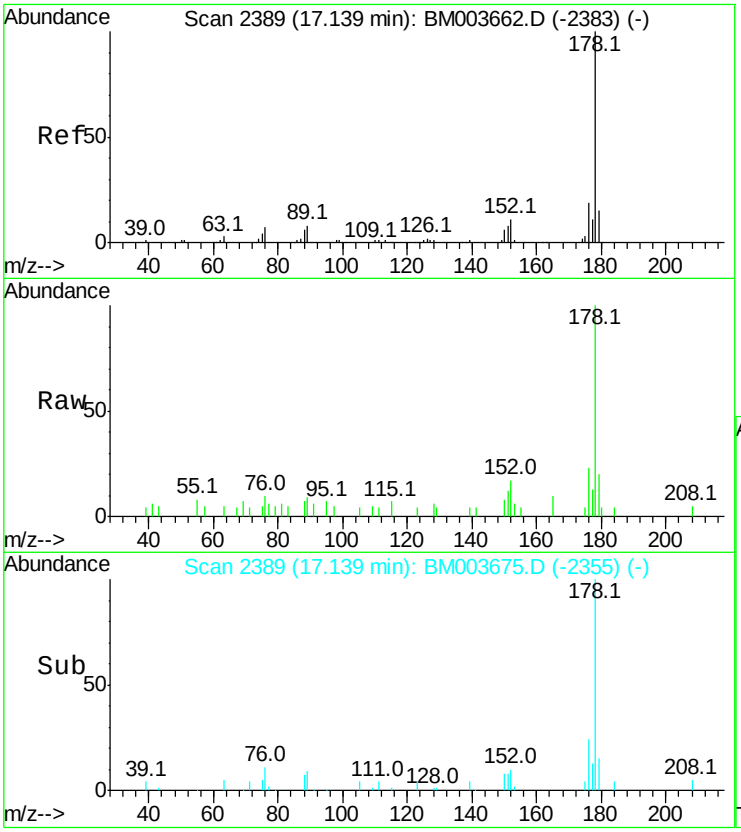


#69
Pentachlorophenol
Concen: 39.28 ng/ul
RT: 16.75 min Scan# 2323
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:266 Resp: 40582

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.5	75.7
268	63.4	50.9	76.3



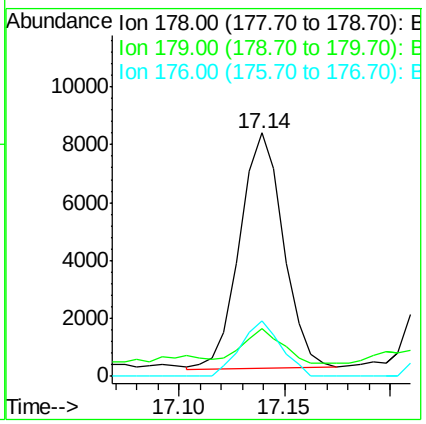


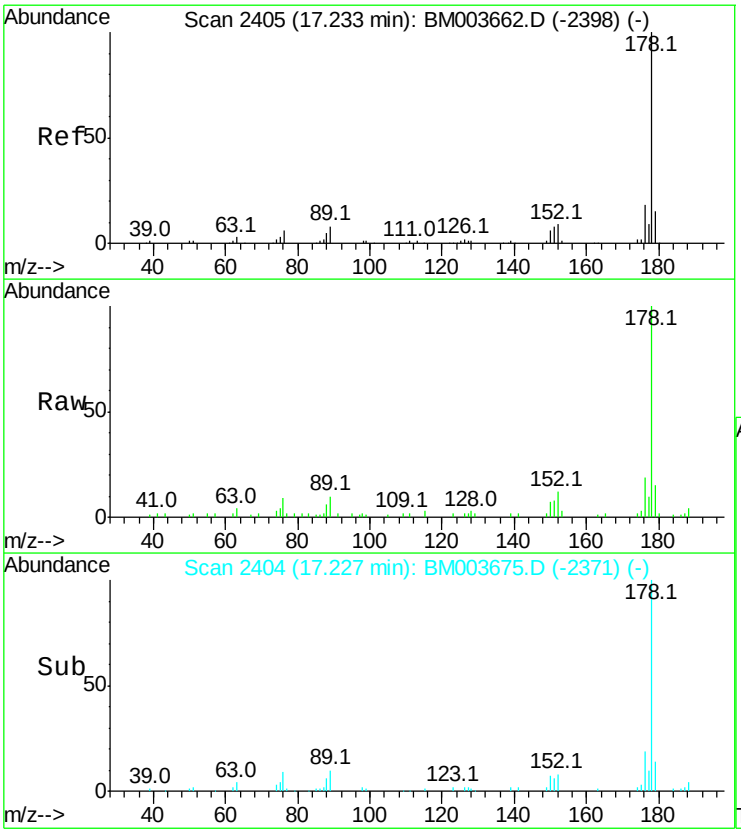
#70
Phenanthrene
Concen: 1.28 ng/ul
RT: 17.14 min Scan# 2389
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:178 Resp: 11702

Ion	Ratio	Lower	Upper
178	100		
179	19.7	12.2	18.4#
176	22.6	15.6	23.4

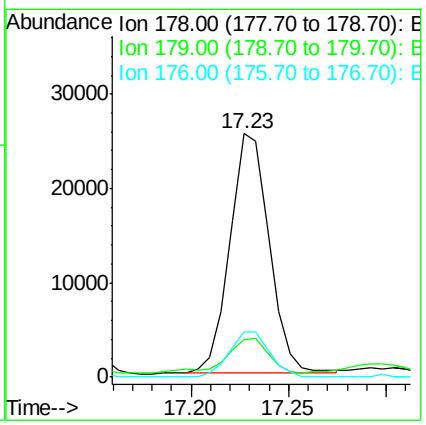


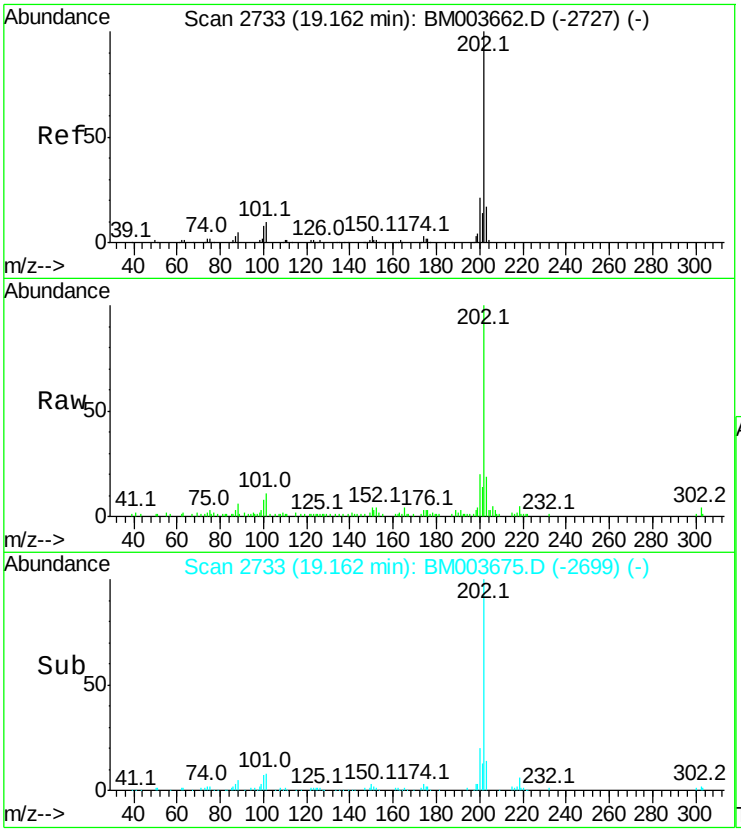


#72
Anthracene
Concen: 3.78 ng/ul
RT: 17.23 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:178 Resp: 35275

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.1	18.1
176	18.5	14.8	22.2



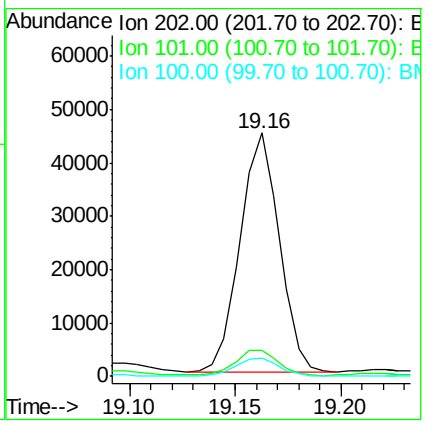


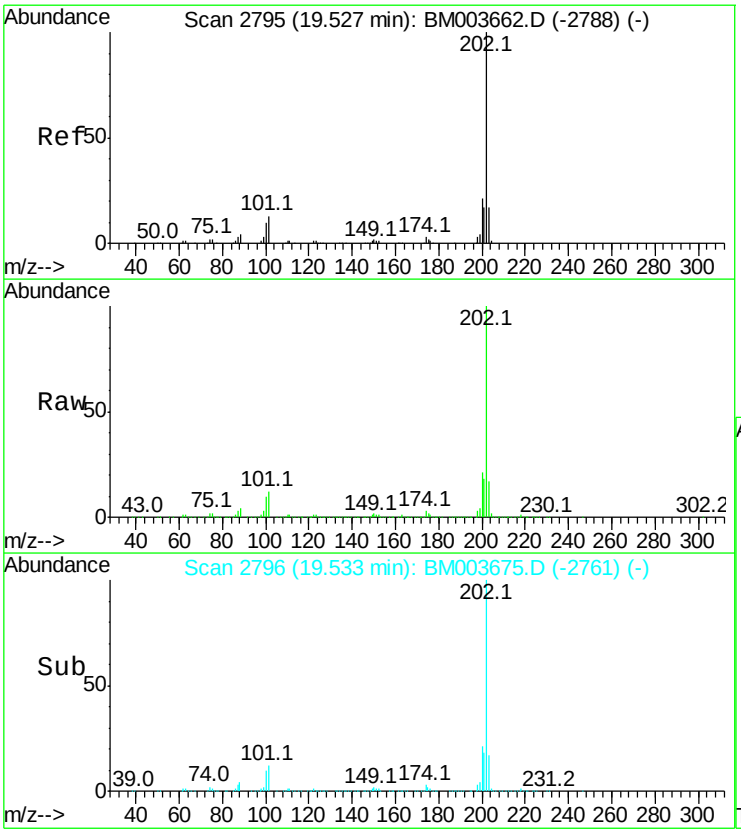
#77
Fluoranthene
Concen: 5.50 ng/ul
RT: 19.16 min Scan# 2733
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:202 Resp: 57851

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.8	13.2
100	7.6	6.6	9.8

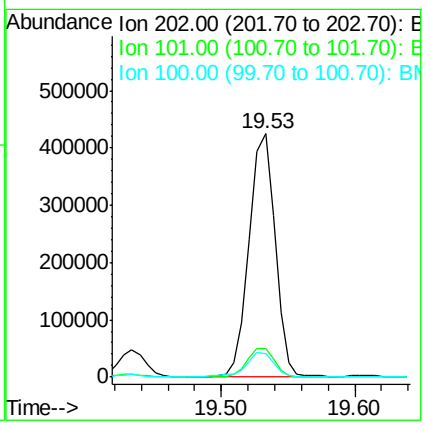


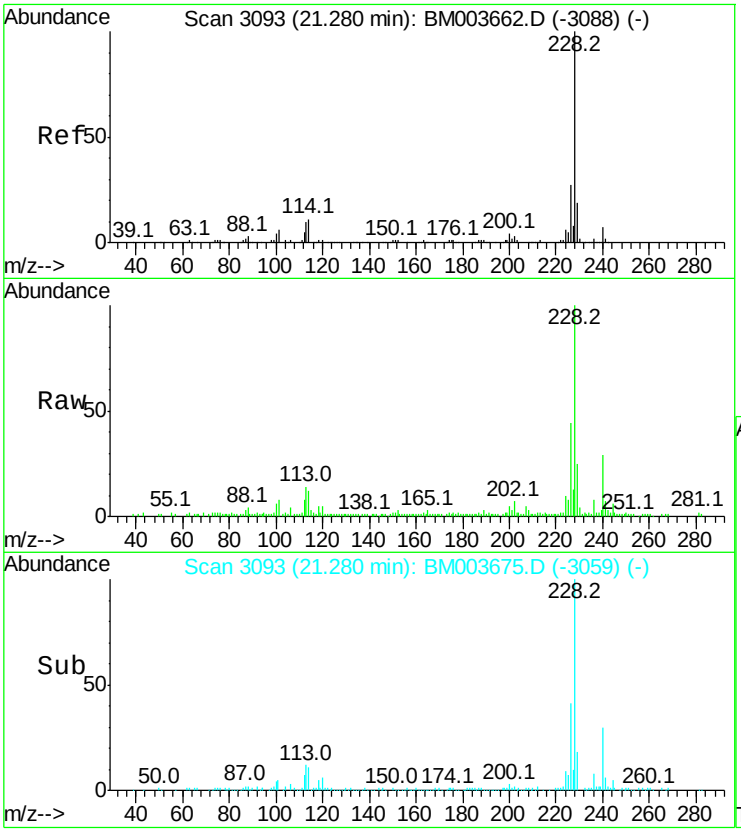


#80
Pyrene
Concen: 44.01 ng/ul
RT: 19.53 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:202 Resp: 565508

Ion	Ratio	Lower	Upper
202	100		
101	12.0	10.2	15.2
100	9.6	8.5	12.7



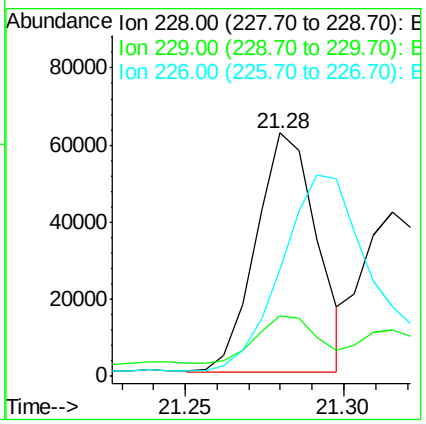


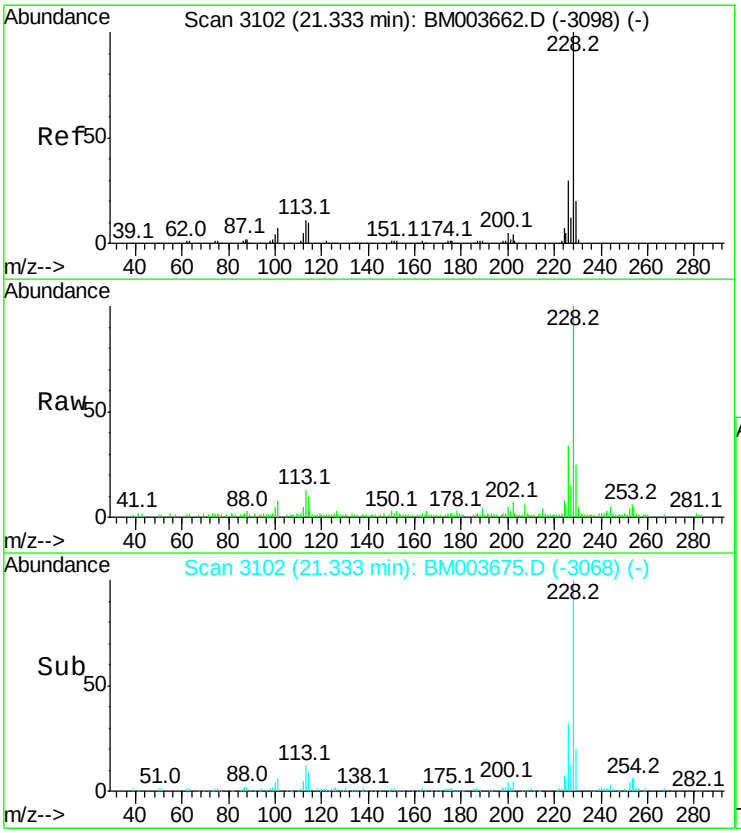
#83
Benzo(a)anthracene
Concen: 6.18 ng/ul
RT: 21.28 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:228 Resp: 83225

Ion	Ratio	Lower	Upper
228	100		
229	24.9	15.7	23.5#
226	43.7	21.8	32.6#

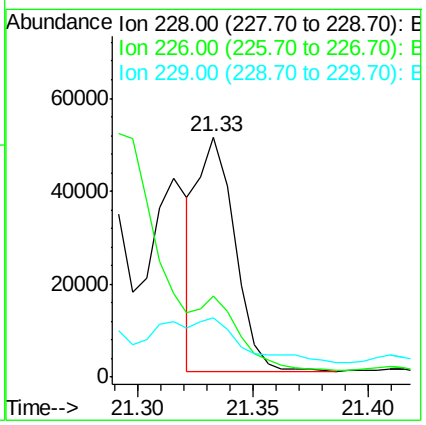


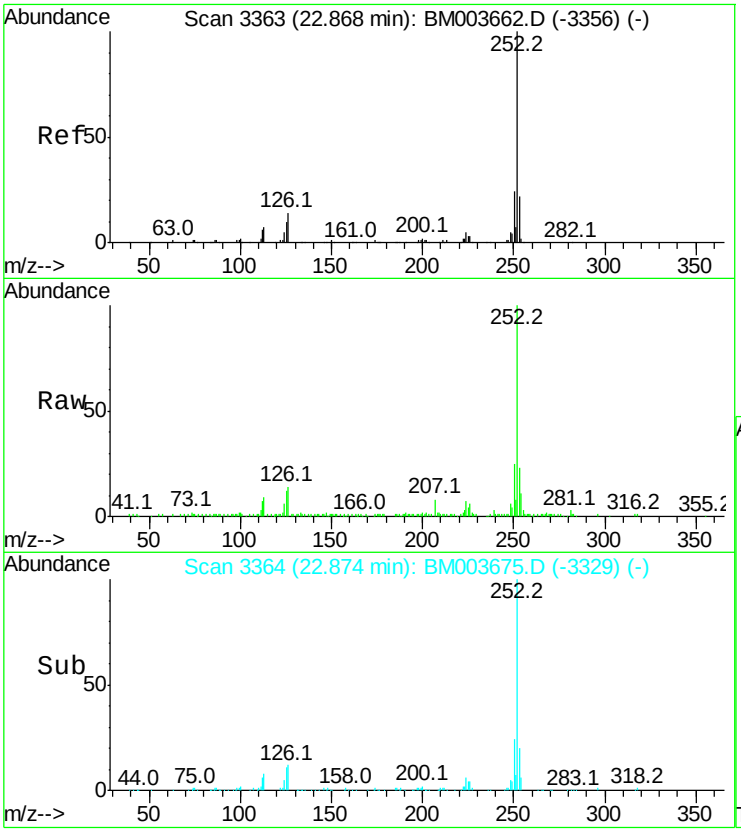


#85
Chrysene
Concen: 4.33 ng/ul
RT: 21.33 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:228 Resp: 56209

Ion	Ratio	Lower	Upper
228	100		
226	33.8	24.0	36.0
229	24.9	15.6	23.4#



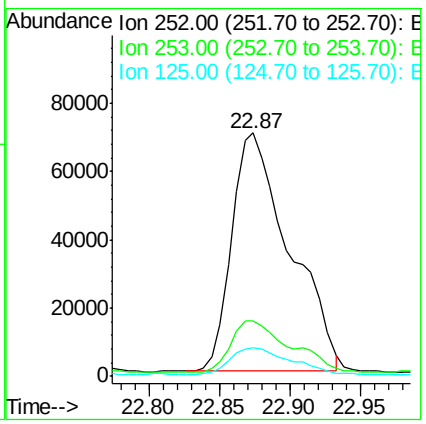


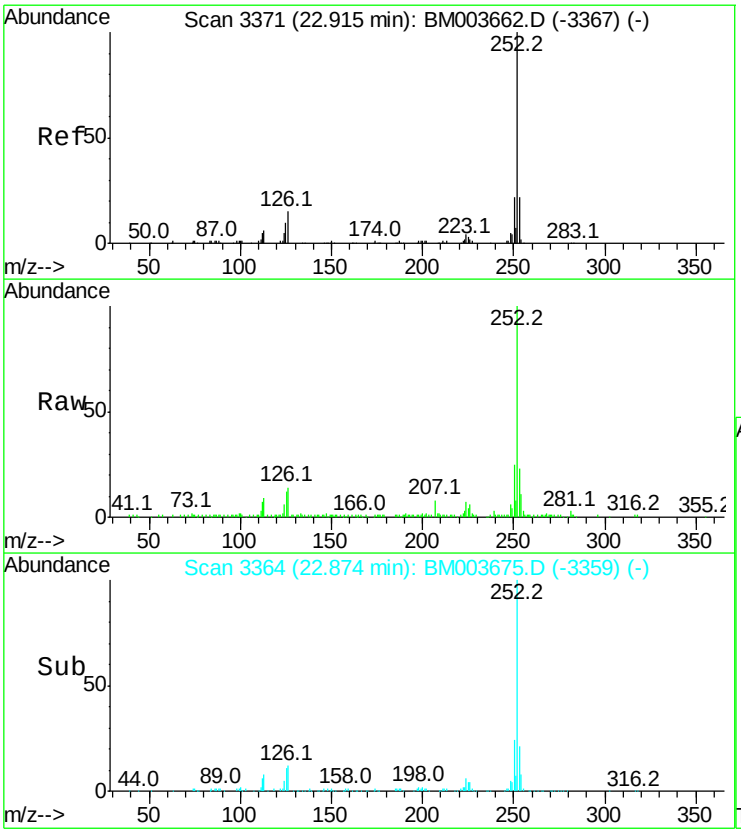
#88
Benzo(b)fluoranthene
Concen: 15.09 ng/ul
RT: 22.87 min Scan# 3364
Delta R.T. 0.01 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:252 Resp: 199791

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.7	8.5	12.7

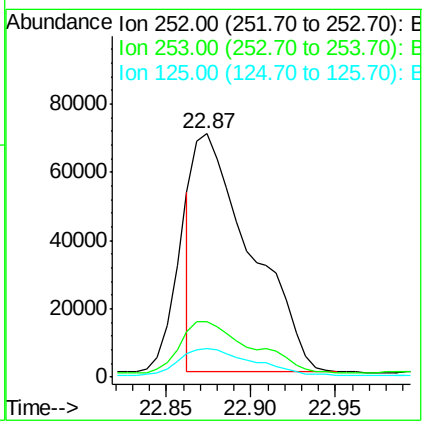


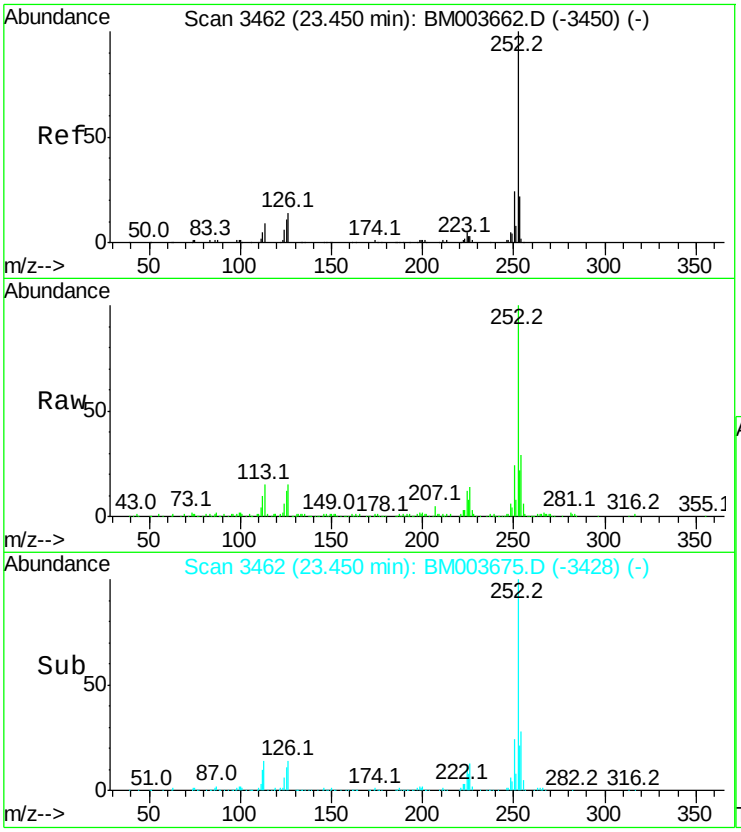


#89
Benzo(k)fluoranthene
Concen: 13.05 ng/ul
RT: 22.87 min Scan# 3364
Delta R.T. -0.04 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:252 Resp: 163718

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	11.7	8.2	12.2



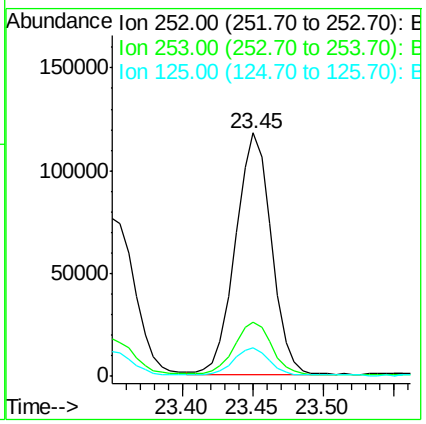


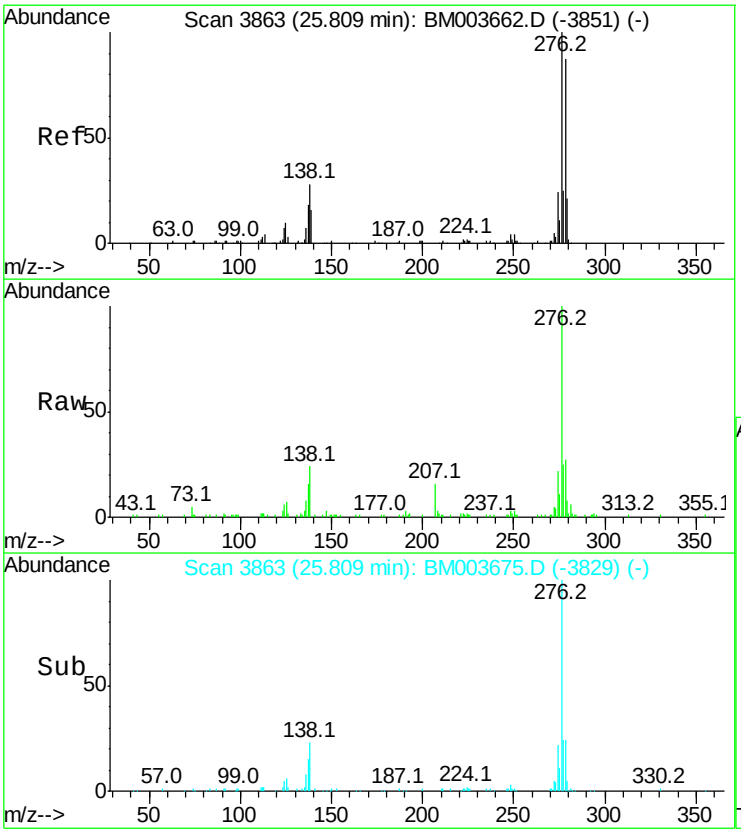
#91
Benzo(a)pyrene
Concen: 16.46 ng/ul
RT: 23.45 min Scan# 3462
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:252 Resp: 208492

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.6	9.0	13.6

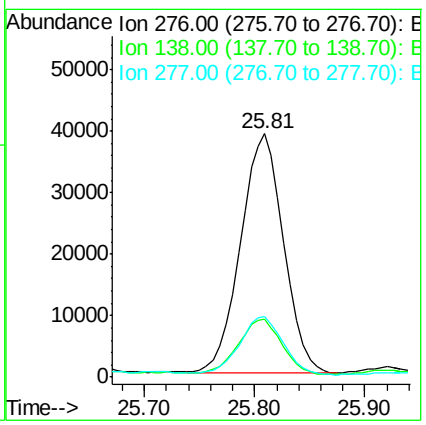


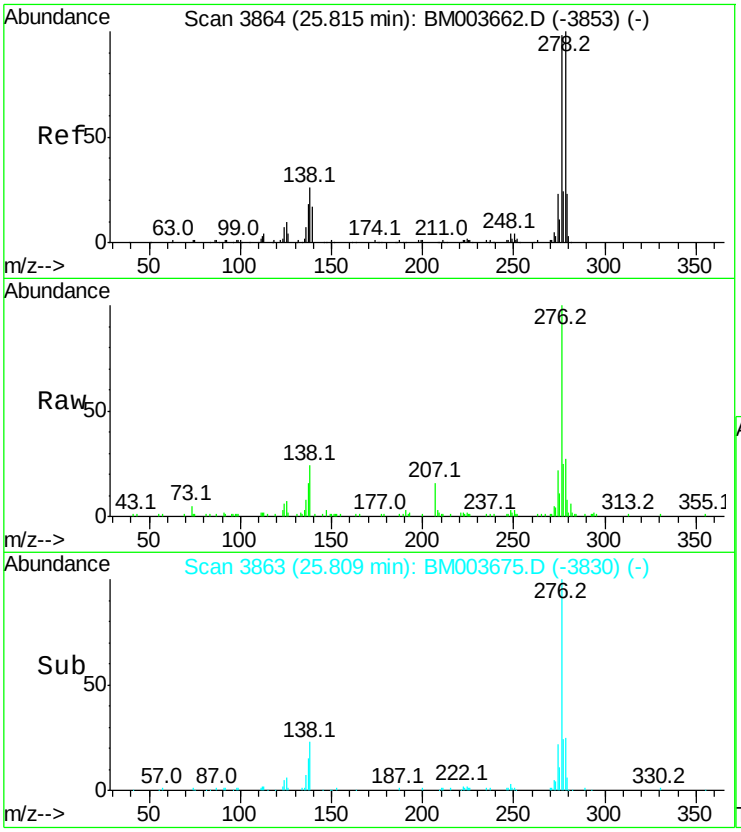


#92
Indeno(1,2,3-cd)pyrene
Concen: 7.78 ng/ul
RT: 25.81 min Scan# 3863
Delta R.T. -0.00 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:276 Resp: 106047

Ion	Ratio	Lower	Upper
276	100		
138	23.6	22.3	33.5
277	24.8	20.2	30.2



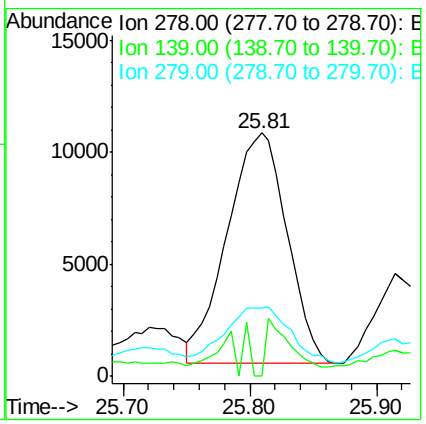


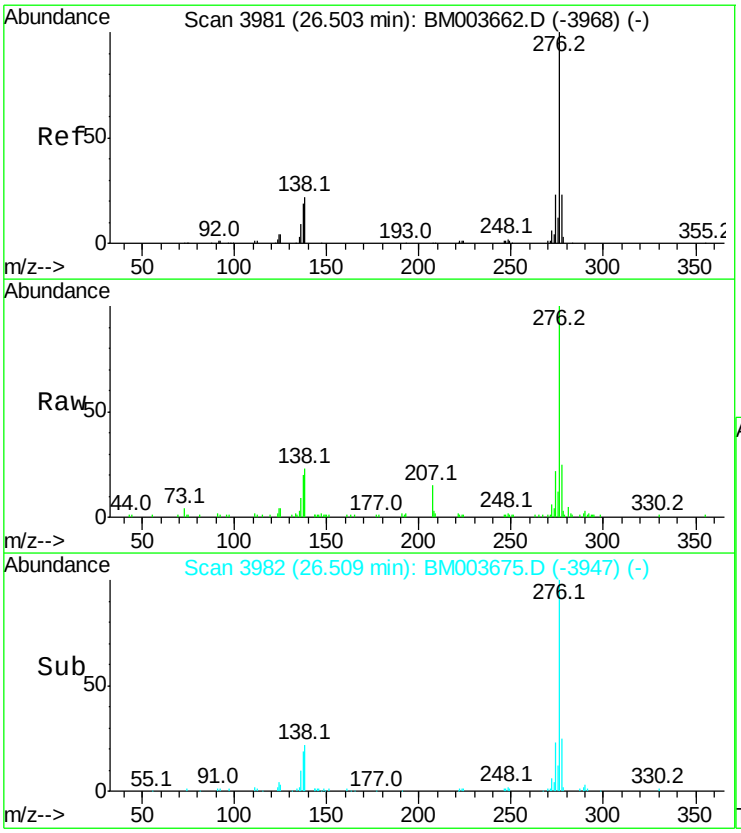
#93
Dibenzo(a,h)anthracene
Concen: 2.96 ng/ul
RT: 25.81 min Scan# 3863
Delta R.T. -0.01 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Instrument :
BNA_M
ClientSampleId :
G9DA5MSD

Tgt Ion:278 Resp: 33895

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	28.1	19.0	28.4





#94
Benzo(g,h,i)perylene
Concen: 11.14 ng/ul
RT: 26.51 min Scan# 3982
Delta R.T. 0.01 min
Lab File: BM003675.D
Acq: 21 Dec 2015 03:36

Tgt Ion:276 Resp: 124745

Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.9	28.3
277	25.2	19.2	28.8