Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012515.D
Acq On : 28 Oct 2017 09:03
Operator : SJ/JU
Sample : I5786-02 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 30 05:36:58 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 30 05:30:34 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	504439	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1850030	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	1060102	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2367483	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2766812	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	3098989	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.36	96	16466	1.67	ng/uL	0.00
5) Phenol-d5	7.04	99	321549	7.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	197749	7.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	262076	8.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	284583	7.90	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	114758	9.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	129009	10.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	259240	8.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	52227	1.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.91	166	741123	8.00	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	935872	8.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	92169	6.69	ng/ul	0.00
57) Fluorene-d10	15.49	176	633374	8.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	52561	4.59	ng/ul	0.00
70) Anthracene-d10	17.34	188	977807	8.67	ng/ul	0.00
76) Pyrene-d10	19.63	212	1080323	8.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	1218290	8.27	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	7.07	94	369930	8.43	ng/ul#	83
10) 2-Chlorophenol	7.44	128	235992	7.31	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.67	70	165893	5.37	ng/ul#	66
28) Naphthalene	10.71	128	121649	1.33	ng/ul	97
33) 4-Chloro-3-methylphenol	11.95	107	223835	6.46	ng/ul	96
44) Dimethylphthalate	13.95	163	130283	1.42	ng/ul	98
47) Acenaphthylene	14.22	152	548823	5.25	ng/ul	99
49) Acenaphthene	14.56	153	604059	8.44	ng/ul	98
52) 4-Nitrophenol	14.71	109	75145	5.38	ng/ul	89
53) Dibenzofuran	14.90	168	148534	1.40	ng/ul	99
54) 2,4-Dinitrotoluene	14.86	165	142866	6.55	ng/ul#	82
58) Fluorene	15.55	166	198119	2.21	ng/ul	97
68) Pentachlorophenol	16.90	266	110454	6.44	ng/ul	98
69) Phenanthrene	17.29	178	4222483	32.98	ng/ul	99
71) Anthracene	17.37	178	1266086	9.57	ng/ul	98
72) Carbazole	17.64	167	434200	3.96	ng/ul	99
73) Di-n-butylphthalate	18.20	149	185311	1.33	ng/ul#	94
74) Fluoranthene	19.30	202	9894621	68.20	ng/ul#	91
77) Pyrene	19.66	202	9775894	62.13	ng/ul#	91
80) Benzo(a)anthracene	21.40	228	5884676	35.52	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.33	149	10580019	112.18	ng/ul#	85
82) Chrysene	21.45	228	5413347	36.75	ng/ul	96
85) Benzo(b)fluoranthene	23.04	252	8458713	44.15	ng/ul#	97

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012515.D
Acq On : 28 Oct 2017 09:03
Operator : SJ/JU
Sample : I5786-02 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 30 05:36:58 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 30 05:30:34 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Benzo(k)fluoranthene	23.04	252	8458713	46.91	ng/ul#	95
88) Benzo(a)pyrene	23.63	252	6030902	33.02	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.08	276	4742158	22.06	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.08	278	1284626	7.05	ng/ul#	89
91) Benzo(g,h,i)perylene	26.80	276	3574527	20.52	ng/ul#	95

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
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ClientSampleId :

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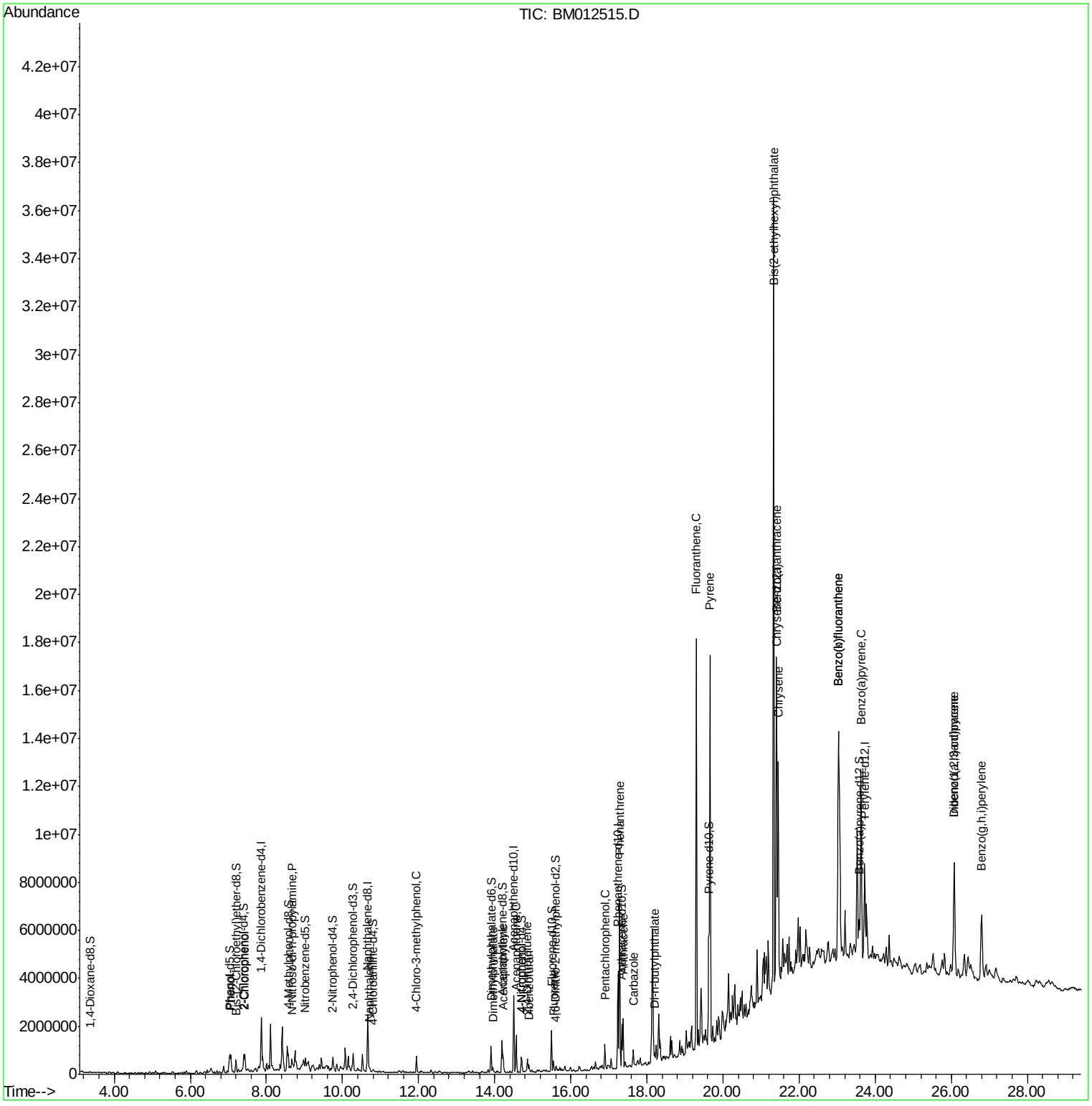
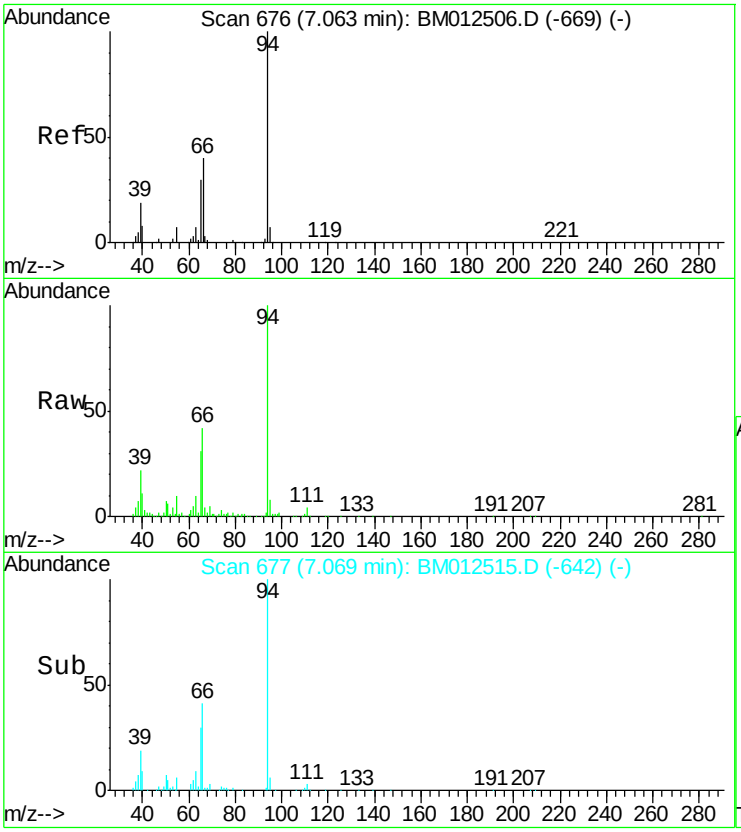
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 30 05:30:34 2017
Response via : Initial Calibration



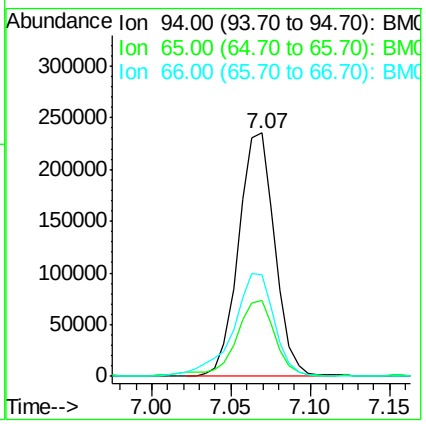


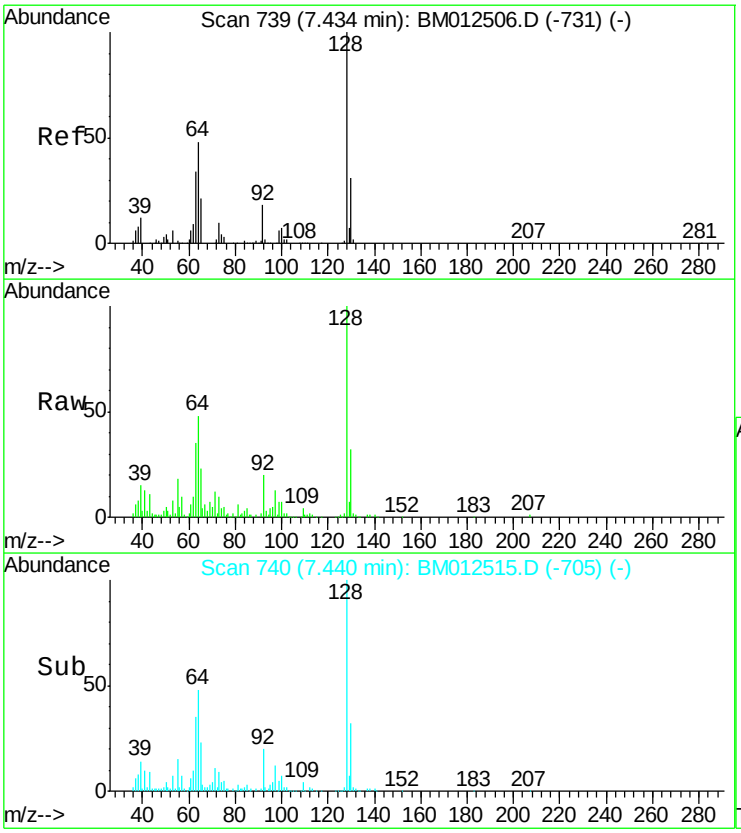
#6
Phenol
Concen: 8.43 ng/ul
RT: 7.07 min Scan# 677
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 94 Resp: 369930

Ion	Ratio	Lower	Upper
94	100		
65	31.2	28.2	42.4
66	41.5	47.2	70.8#

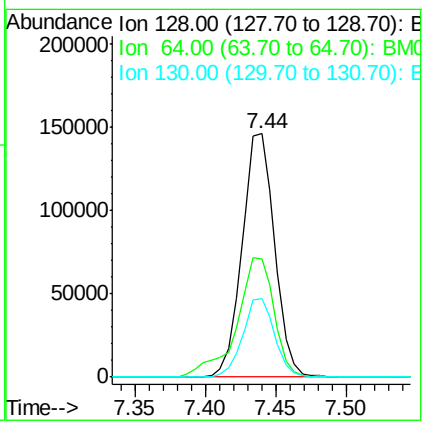


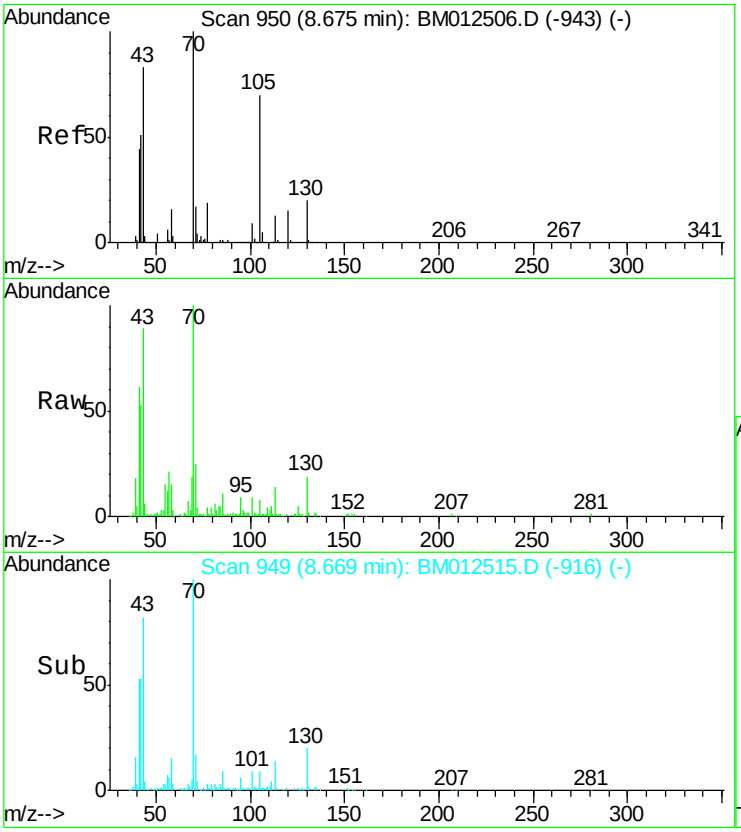


#10
2-Chlorophenol
Concen: 7.31 ng/ul
RT: 7.44 min Scan# 740
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:128 Resp: 235992

Ion	Ratio	Lower	Upper
128	100		
64	48.4	38.0	57.0
130	32.3	24.4	36.6



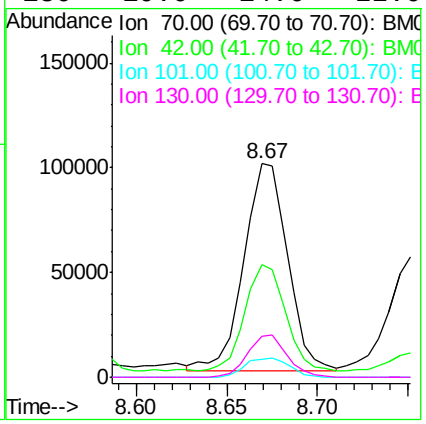


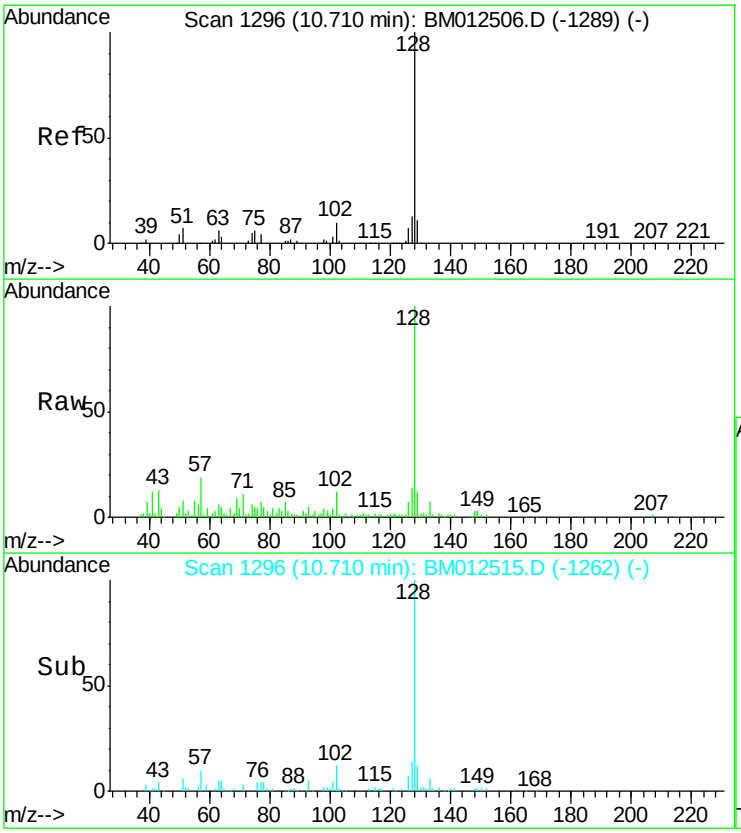
#15
N-Nitroso-di-n-propylamine
Concen: 5.37 ng/ul
RT: 8.67 min Scan# 949
Delta R.T. -0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 70 Resp: 165893

Ion	Ratio	Lower	Upper
70	100		
42	52.6	76.0	114.0#
101	8.6	6.7	10.1
130	19.0	14.6	22.0

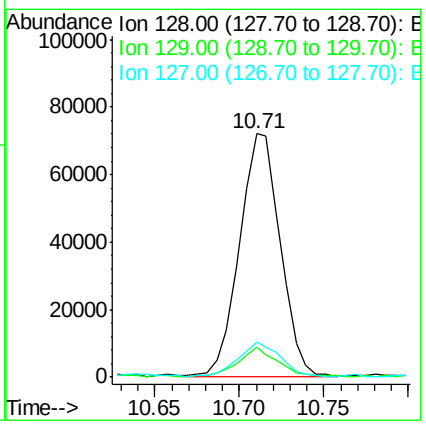


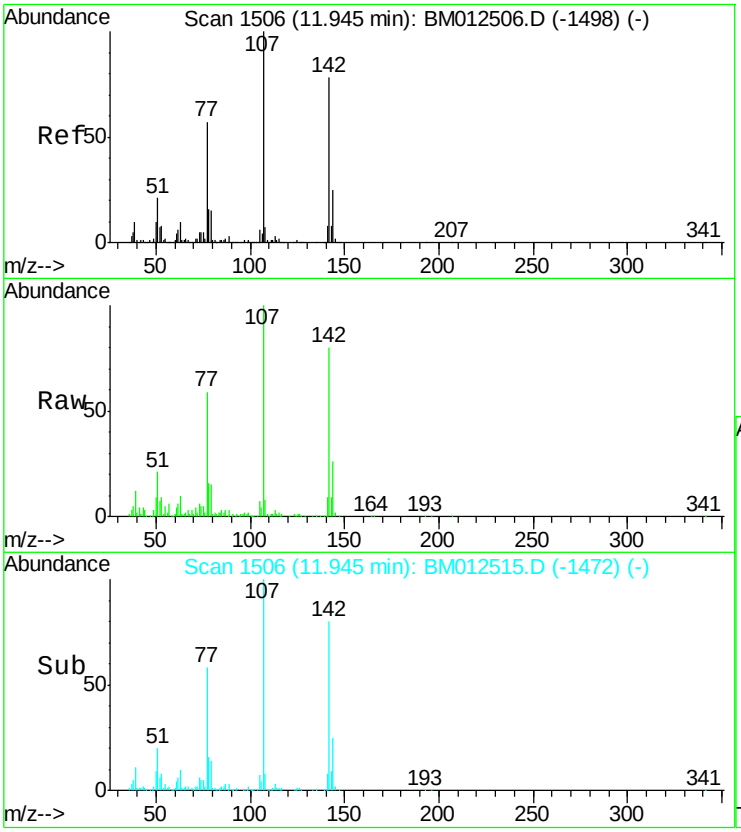


#28
Naphthalene
Concen: 1.33 ng/ul
RT: 10.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:128 Resp: 121649

Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	14.3	10.6	16.0



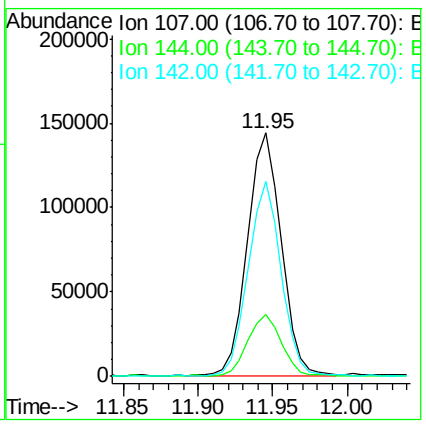


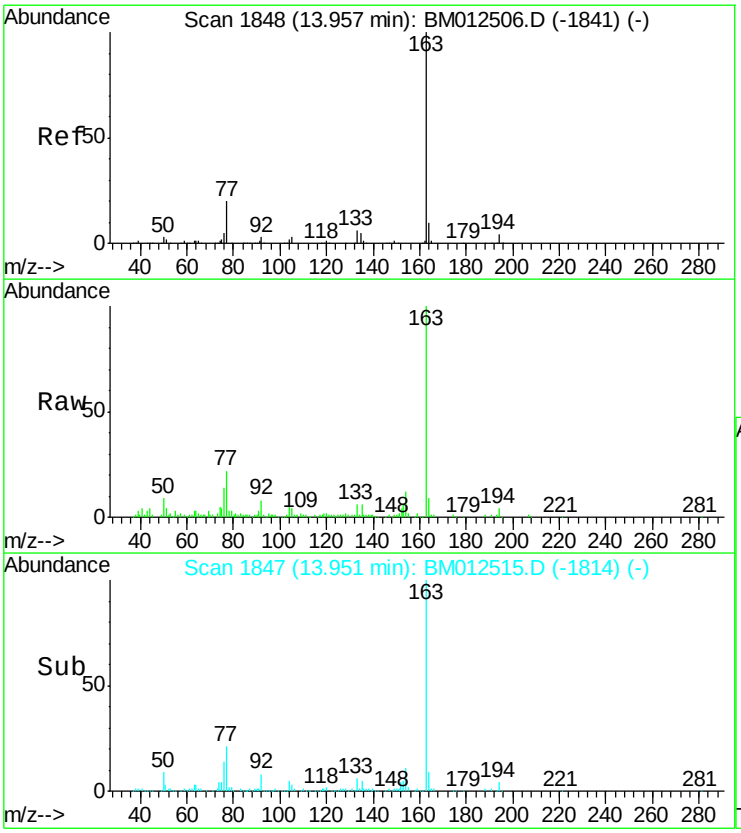
#33
4-Chloro-3-methylphenol
Concen: 6.46 ng/ul
RT: 11.95 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:107 Resp: 223835

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	80.1	60.5	90.7

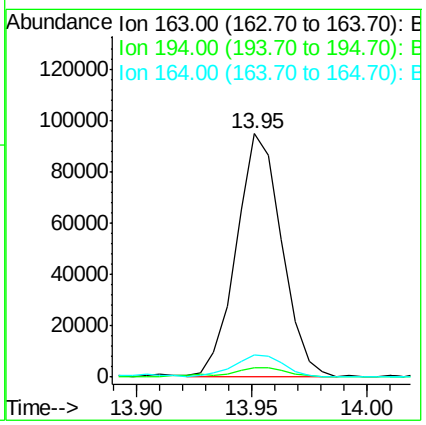


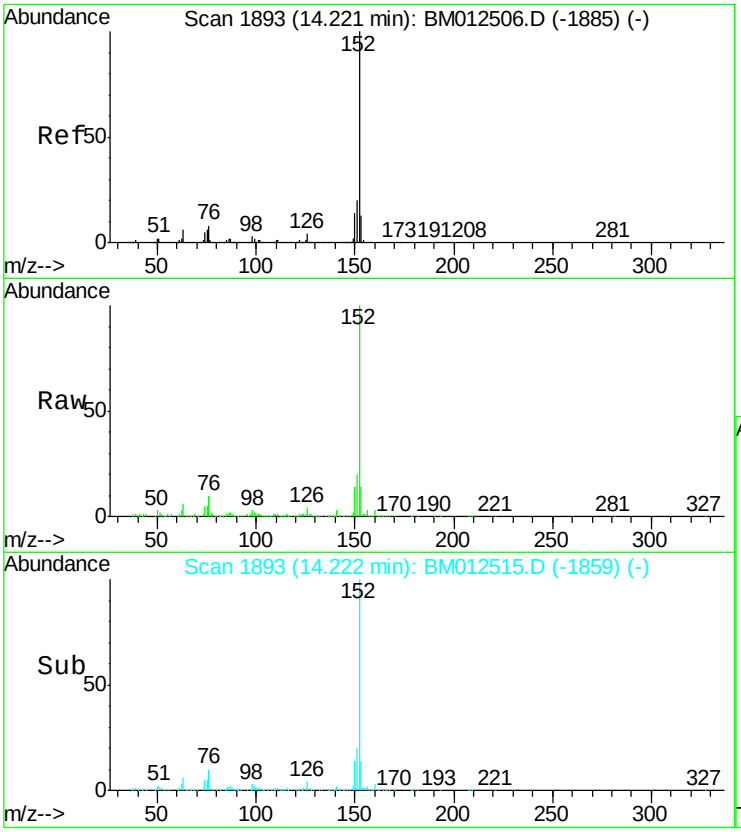


#44
Dimethylphthalate
Concen: 1.42 ng/ul
RT: 13.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:163 Resp: 130283

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	9.3	8.2	12.4



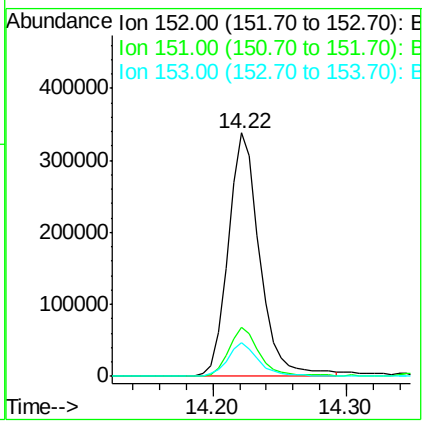


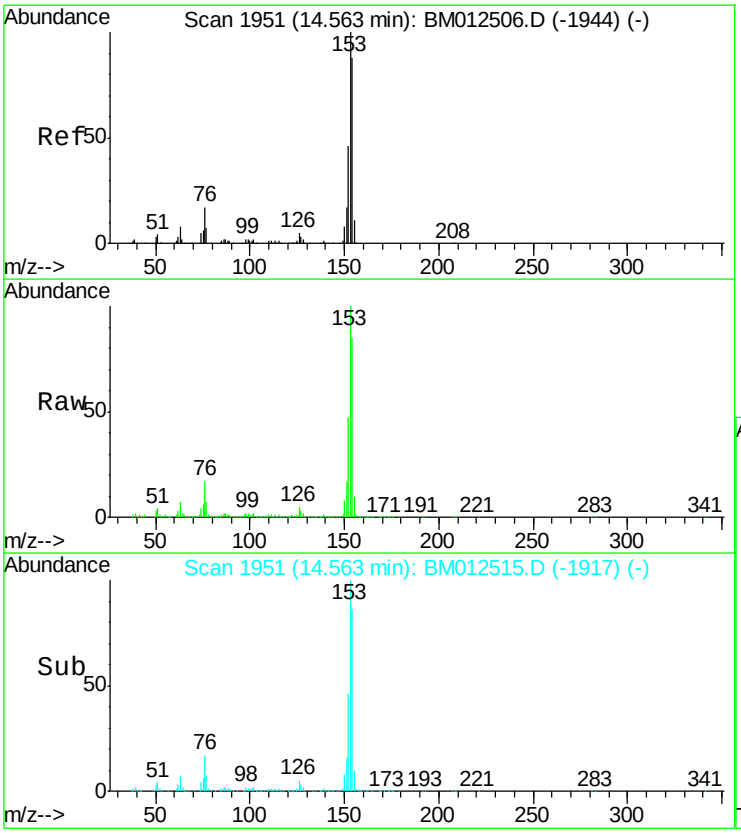
#47
Acenaphthylene
Concen: 5.25 ng/ul
RT: 14.22 min Scan# 1893
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 548823

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.6	10.2	15.4

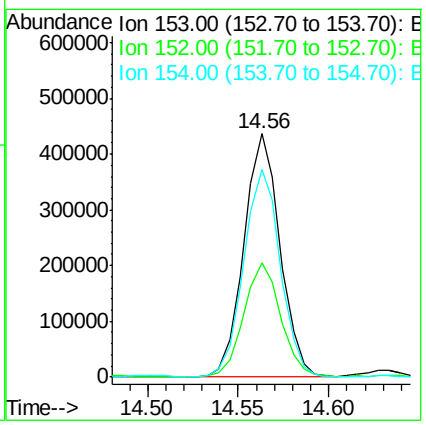


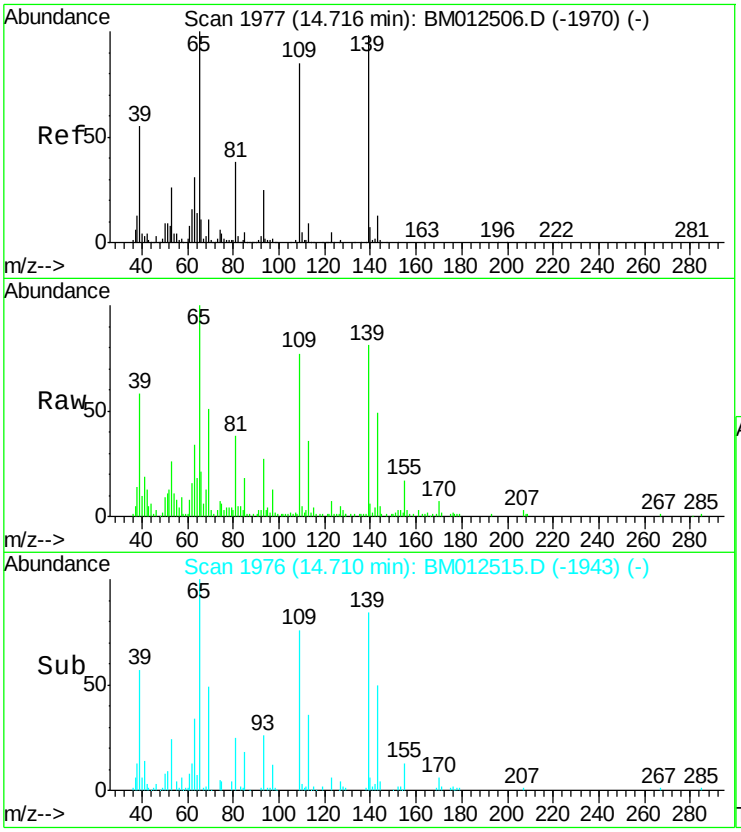


#49
Acenaphthene
Concen: 8.44 ng/ul
RT: 14.56 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:153 Resp: 604059

Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.6	56.4
154	85.4	70.4	105.6



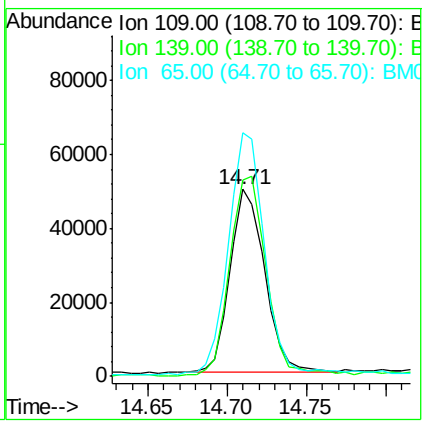


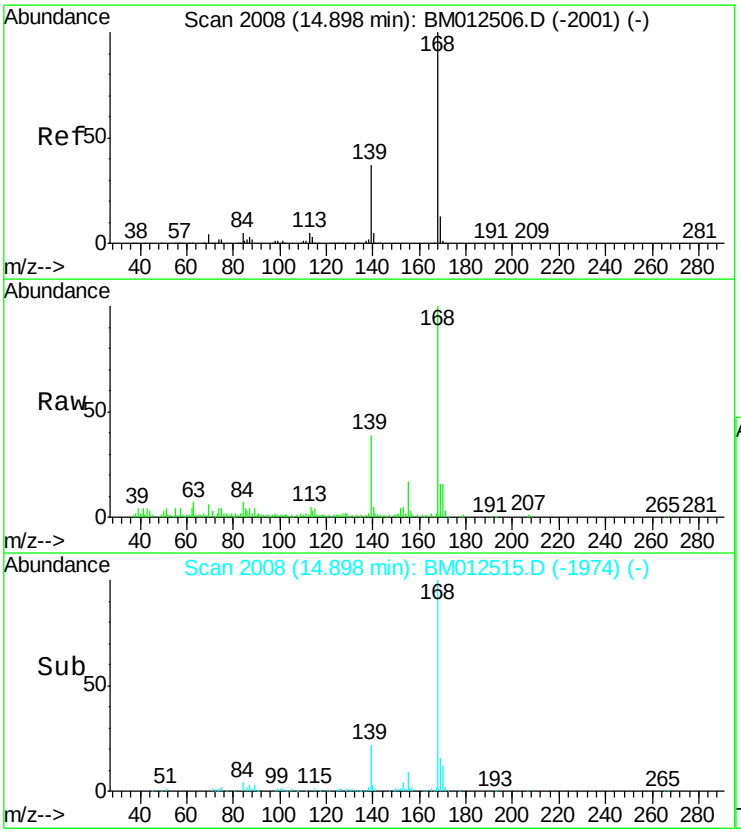
#52
4-Nitrophenol
Concen: 5.38 ng/ul
RT: 14.71 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:109 Resp: 75145

Ion	Ratio	Lower	Upper
109	100		
139	105.3	80.0	120.0
65	130.1	120.0	180.0

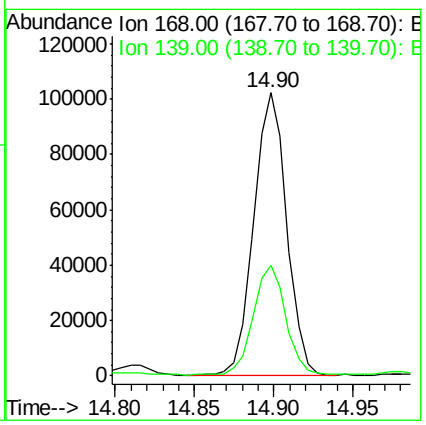


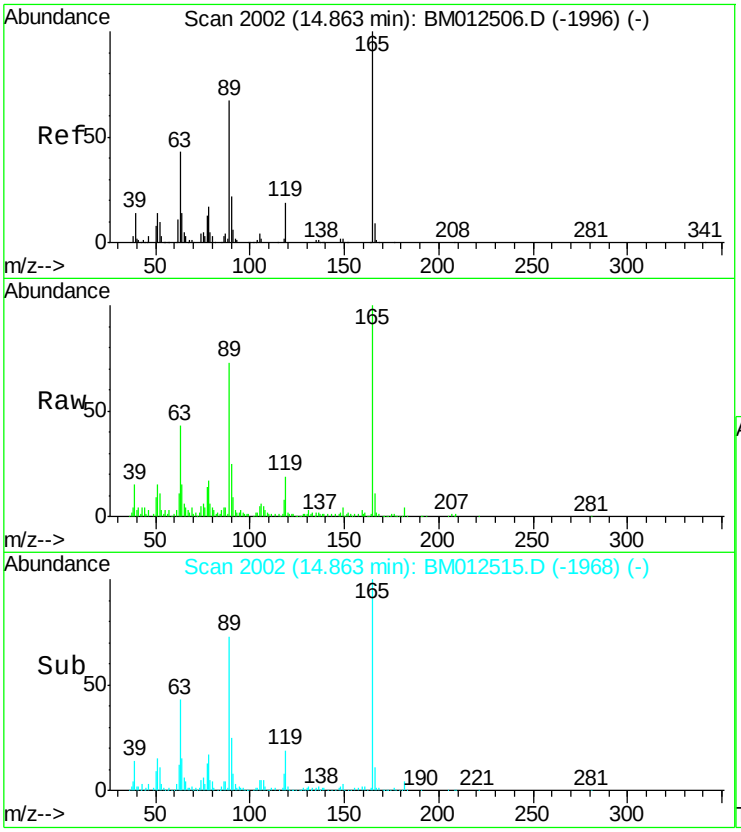


#53
Dibenzofuran
Concen: 1.40 ng/ul
RT: 14.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:168 Resp: 148534

Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.8	46.2



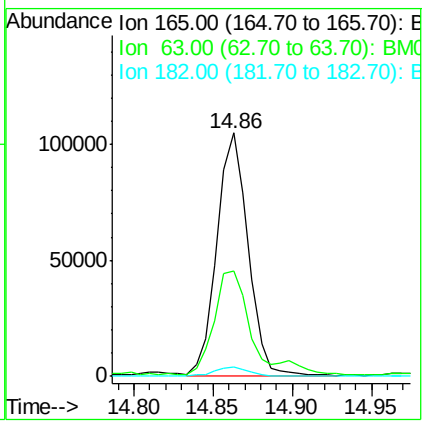


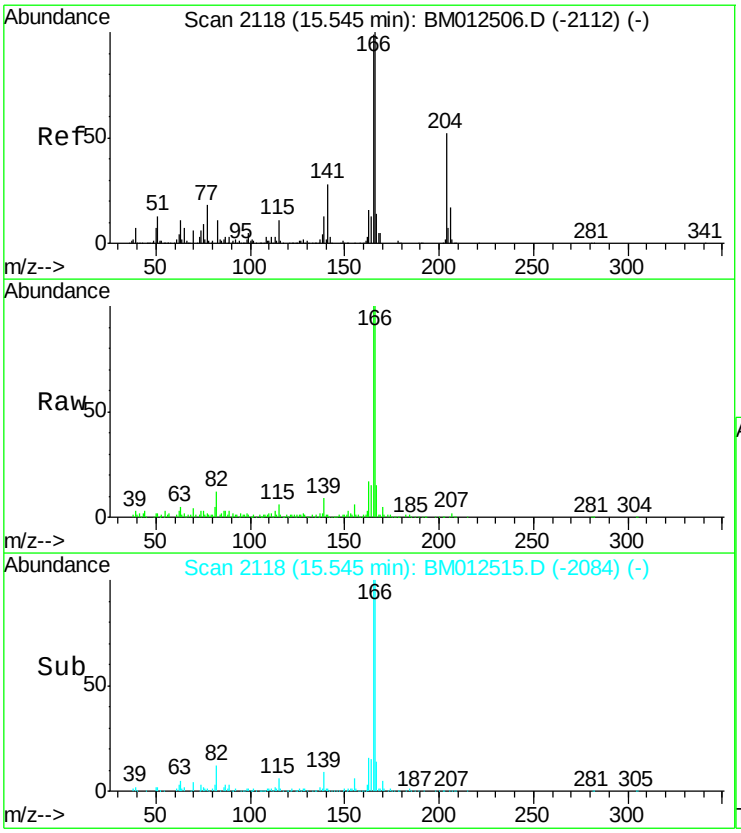
#54
2,4-Dinitrotoluene
Concen: 6.55 ng/ul
RT: 14.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:165 Resp: 142866

Ion	Ratio	Lower	Upper
165	100		
63	43.1	45.8	68.8#
182	4.0	2.6	4.0#

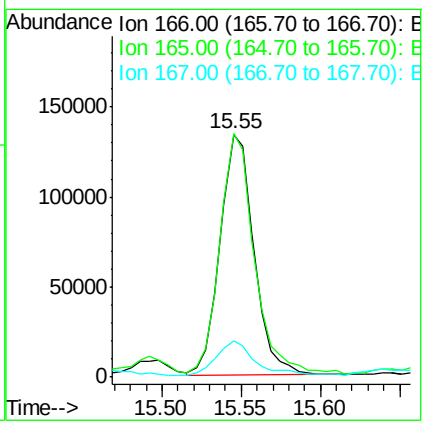


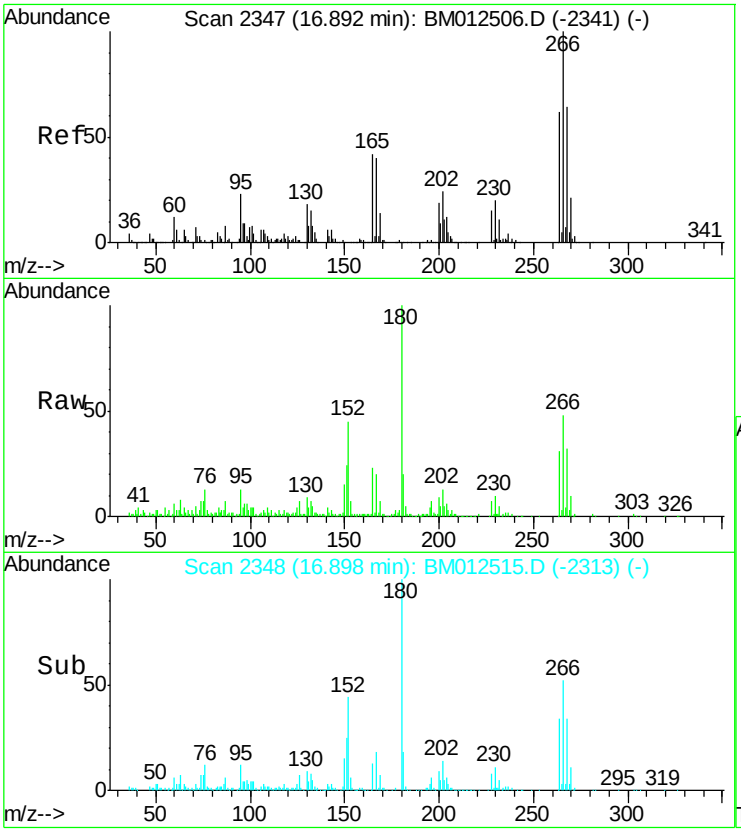


#58
Fluorene
Concen: 2.21 ng/ul
RT: 15.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:166 Resp: 198119

Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.9	116.9
167	14.8	10.6	16.0



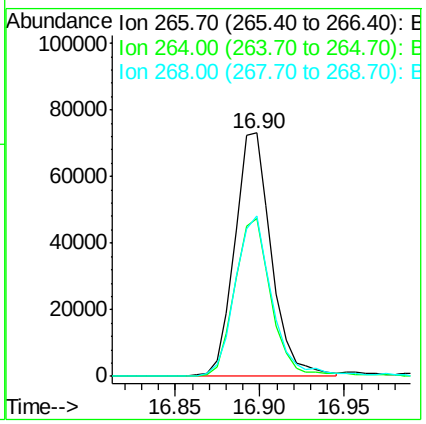


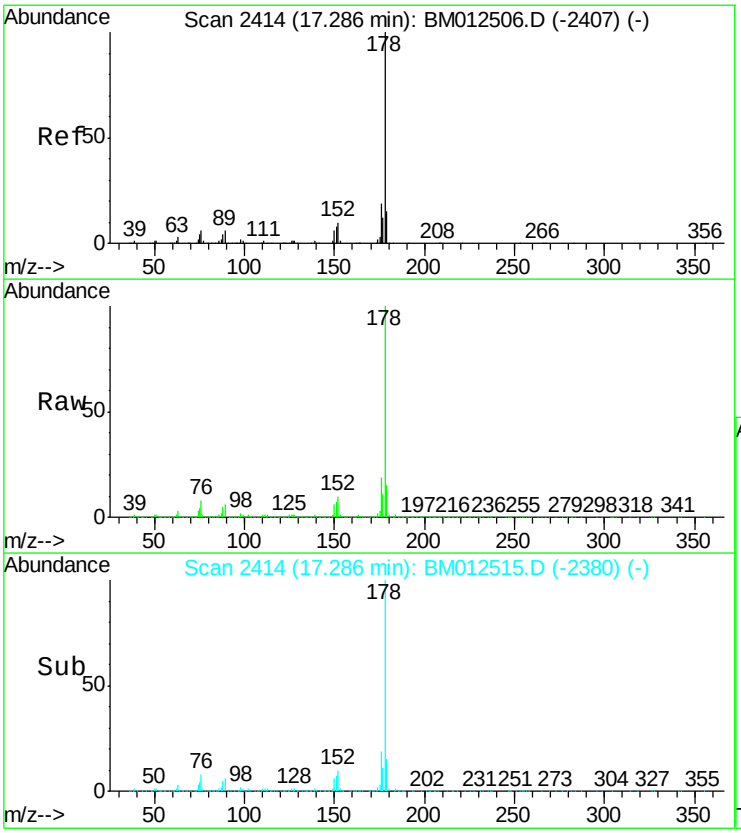
#68
Pentachlorophenol
Concen: 6.44 ng/ul
RT: 16.90 min Scan# 2348
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:266 Resp: 110454

Ion	Ratio	Lower	Upper
266	100		
264	64.8	49.3	73.9
268	65.8	52.6	78.8

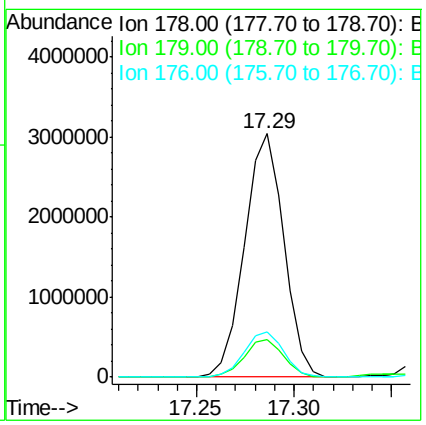


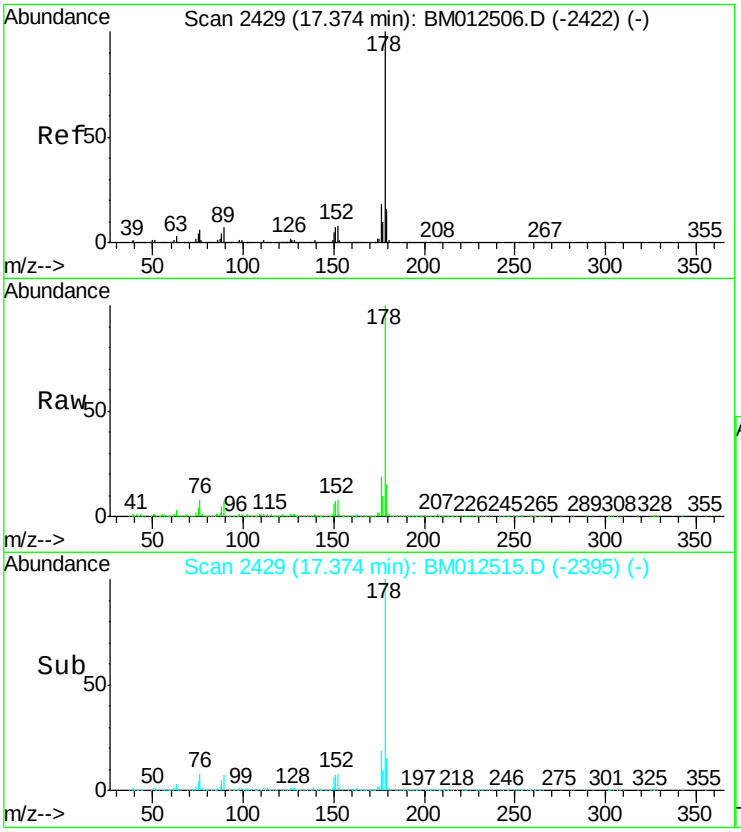


#69
Phenanthrene
Concen: 32.98 ng/ul
RT: 17.29 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:178 Resp: 4222483

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	18.8	14.9	22.3



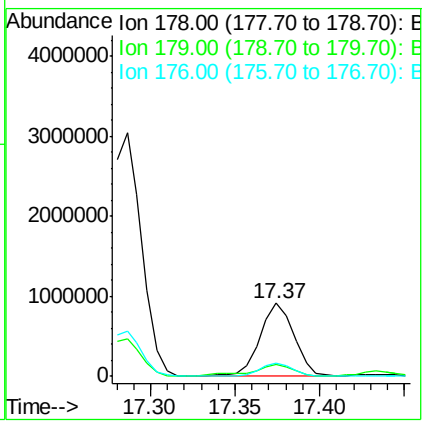


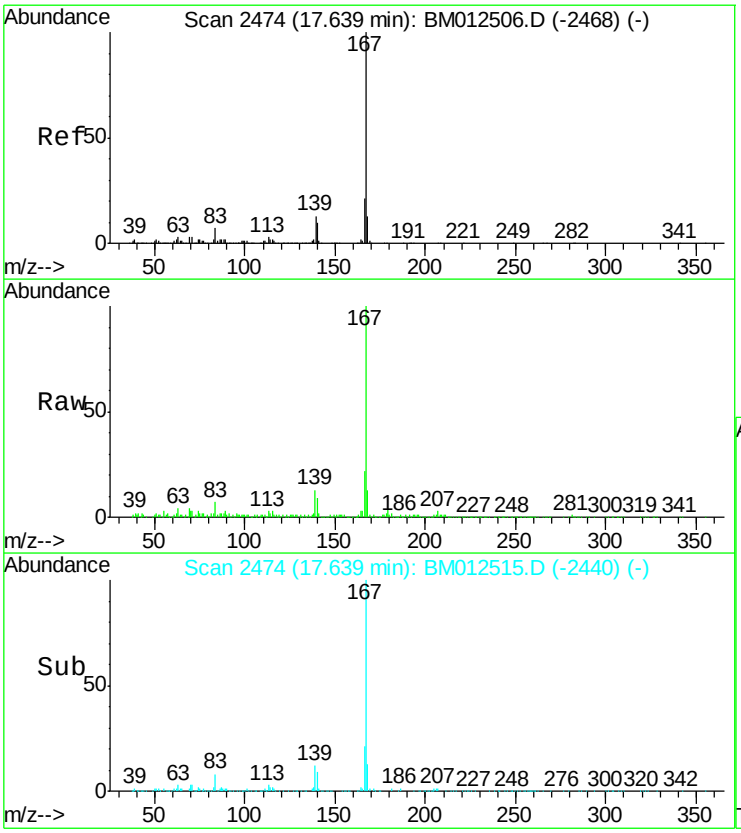
#71
Anthracene
Concen: 9.57 ng/ul
RT: 17.37 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 1266086

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.8	14.6	21.8

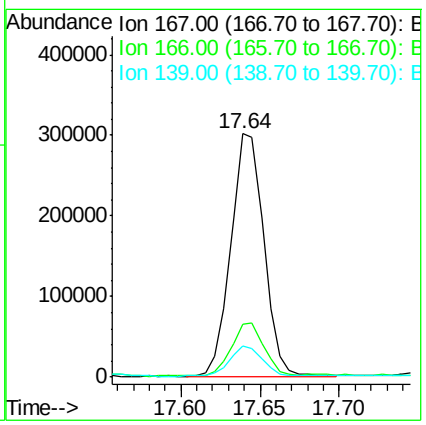


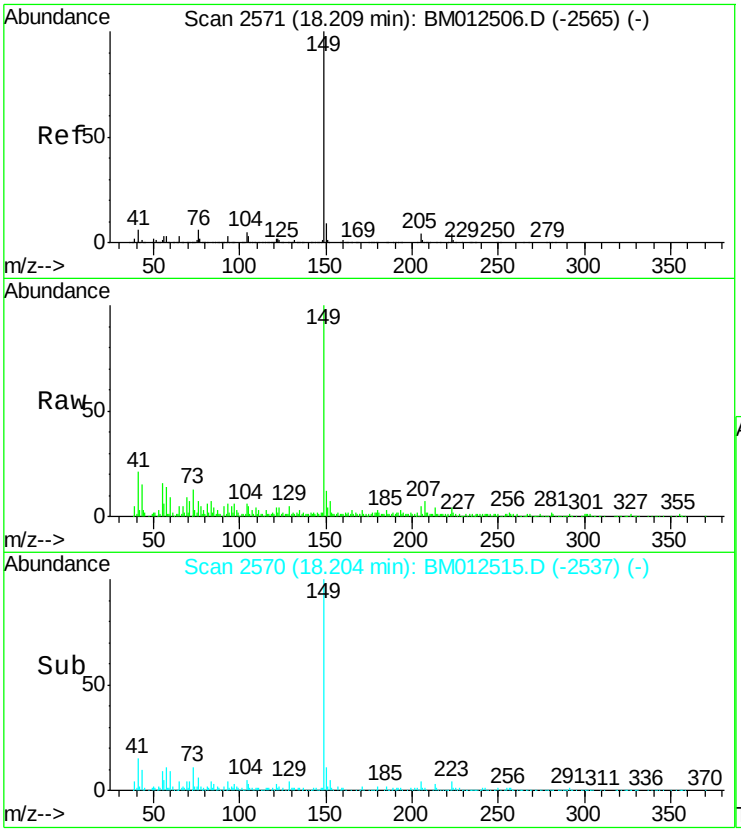


#72
Carbazole
Concen: 3.96 ng/ul
RT: 17.64 min Scan# 2474
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:167 Resp: 434200

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	12.6	10.0	15.0



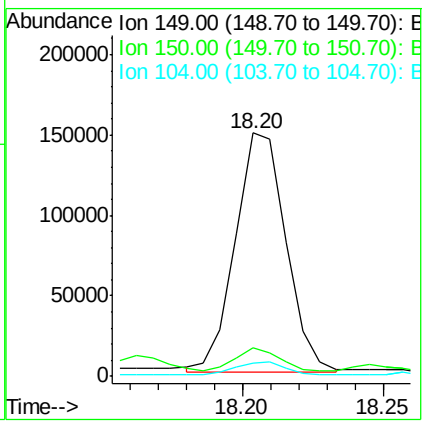


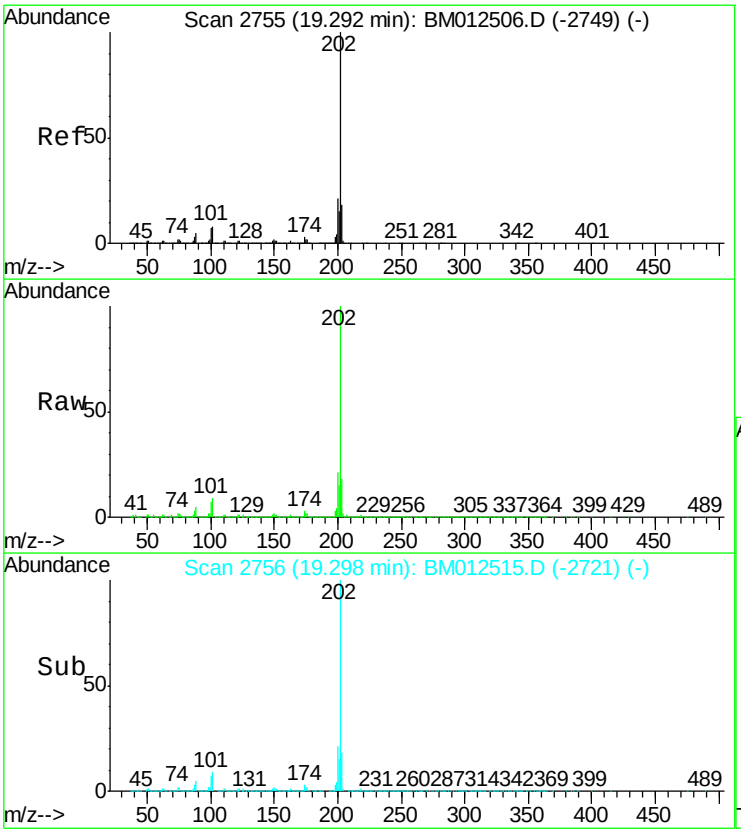
#73
Di-n-butylphthalate
Concen: 1.33 ng/ul
RT: 18.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 185311

Ion	Ratio	Lower	Upper
149	100		
150	11.6	7.1	10.7#
104	5.5	5.6	8.4#

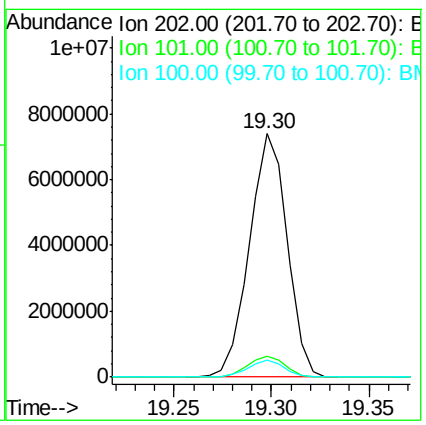


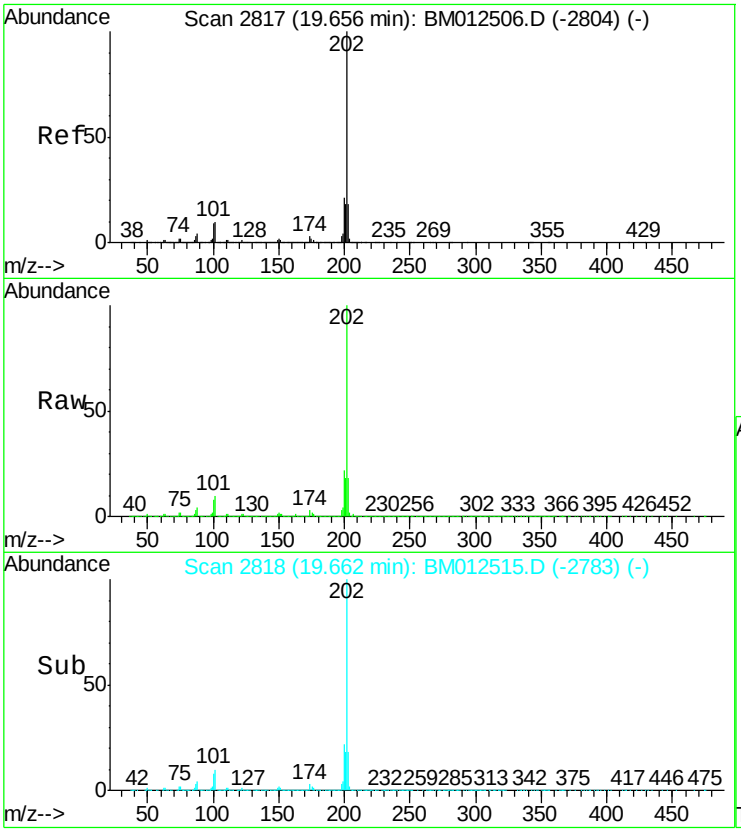


#74
Fluoranthene
Concen: 68.20 ng/ul
RT: 19.30 min Scan# 2756
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:202 Resp: 9894621

Ion	Ratio	Lower	Upper
202	100		
101	8.8	4.6	7.0#
100	6.9	3.4	5.2#



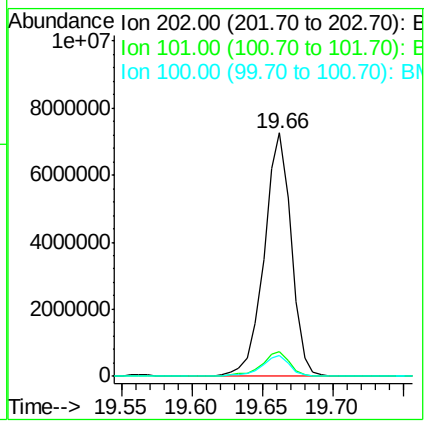


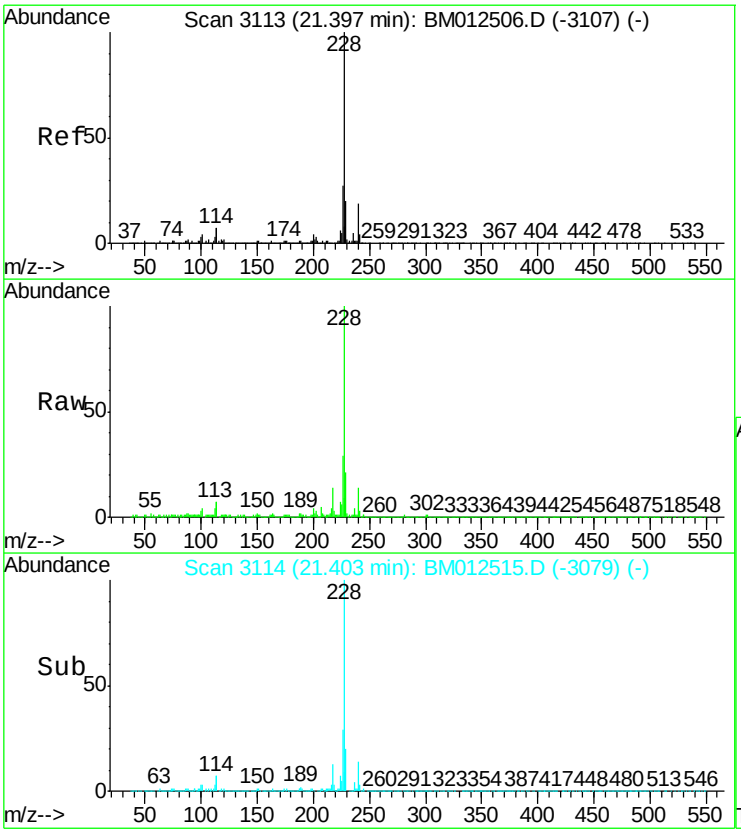
#77
Pyrene
Concen: 62.13 ng/ul
RT: 19.66 min Scan# 2818
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 9775894

Ion	Ratio	Lower	Upper
202	100		
101	10.1	5.1	7.7#
100	8.4	4.9	7.3#

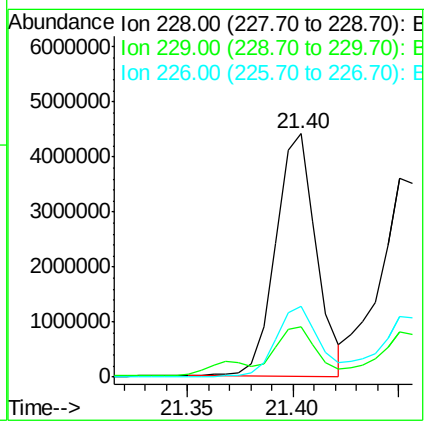


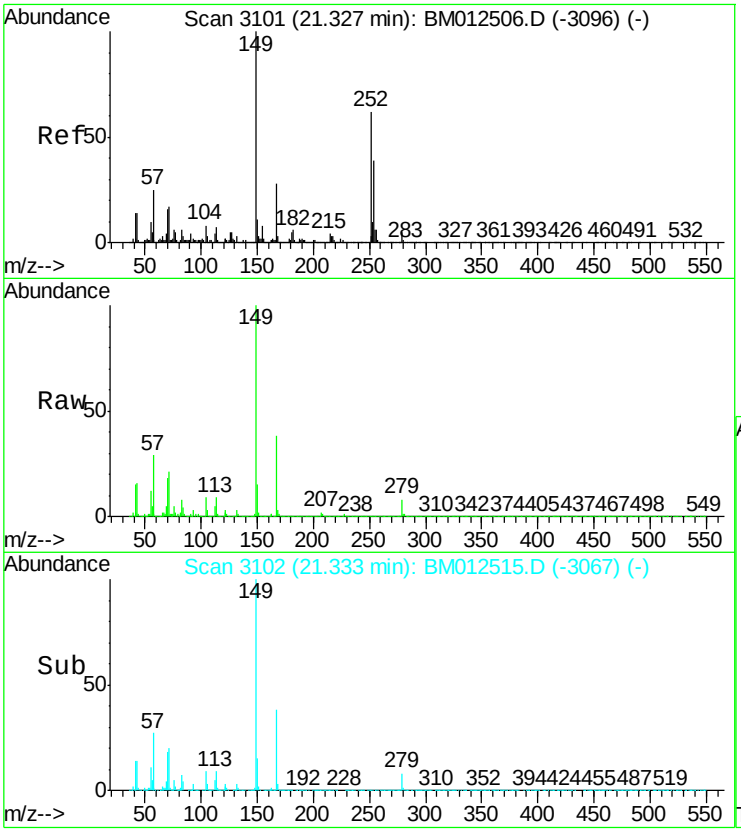


#80
Benzo(a)anthracene
Concen: 35.52 ng/ul
RT: 21.40 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:228 Resp: 5884676

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.4	23.0
226	29.3	21.4	32.0



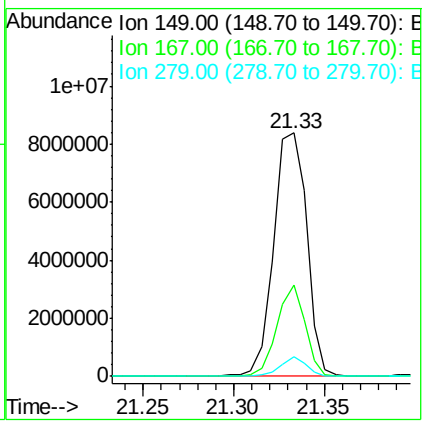


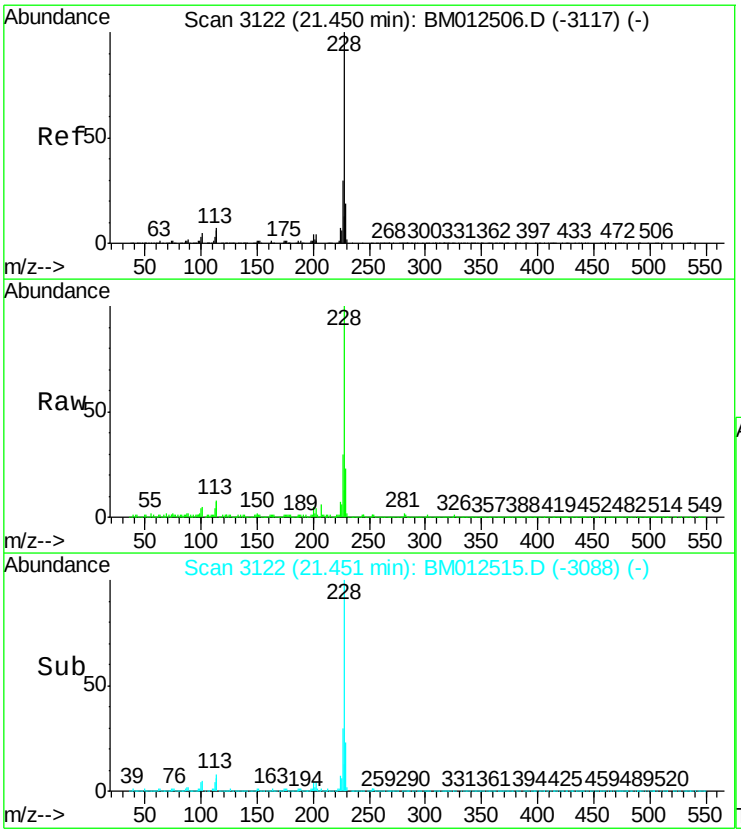
#81
Bis(2-ethylhexyl)phthalate
Concen: 112.18 ng/ul
RT: 21.33 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp:10580019

Ion	Ratio	Lower	Upper
149	100		
167	37.6	22.8	34.2#
279	7.9	4.9	7.3#

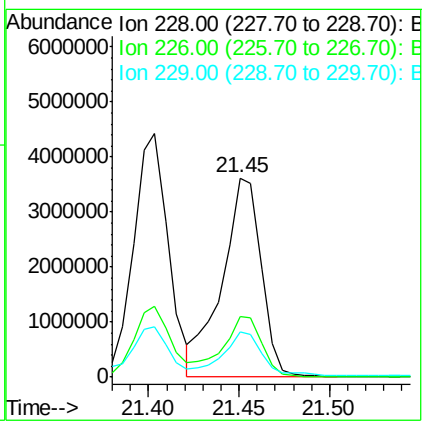


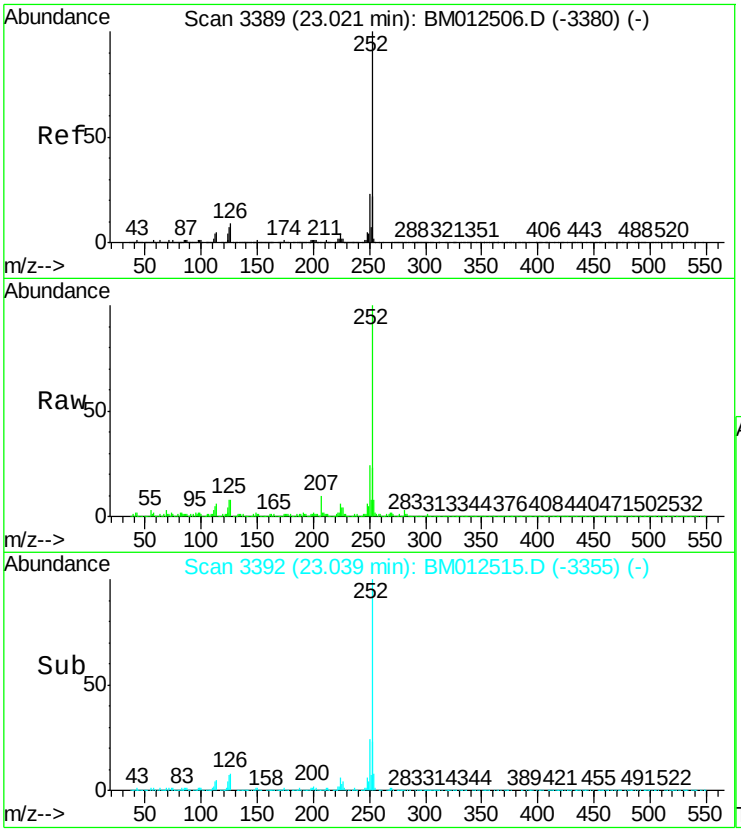


#82
Chrysene
Concen: 36.75 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:228 Resp: 5413347

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	23.0	15.5	23.3



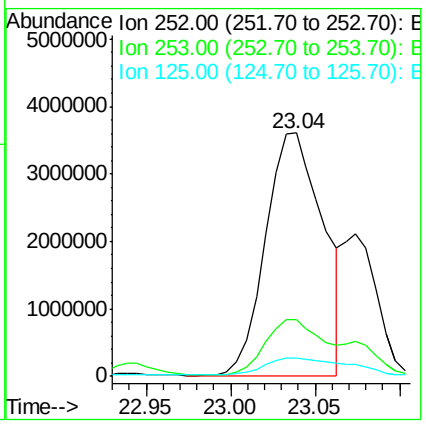


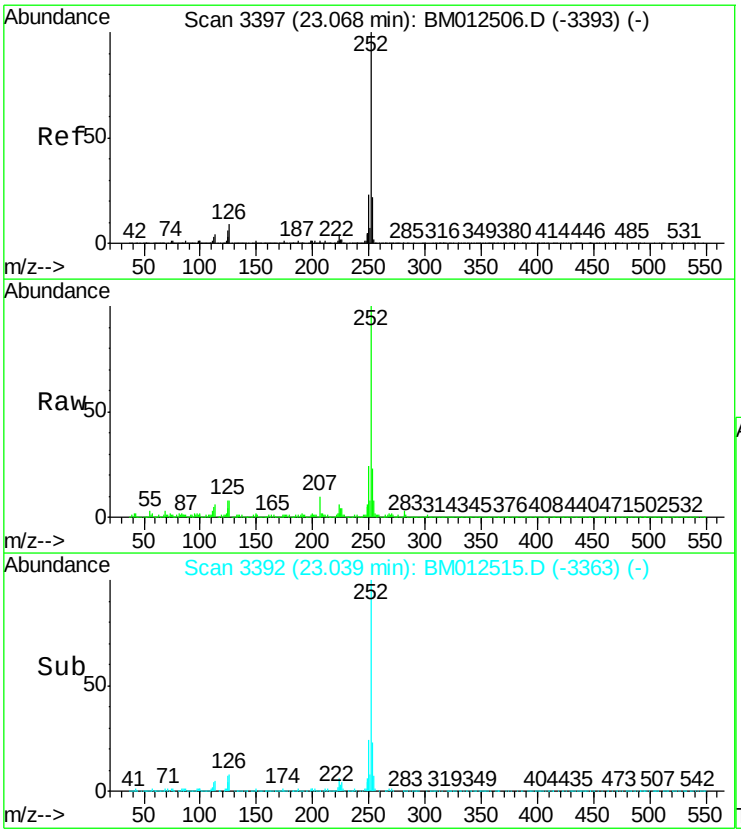
#85
Benzo(b)fluoranthene
Concen: 44.15 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. 0.02 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 8458713

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	7.6	3.6	5.4#

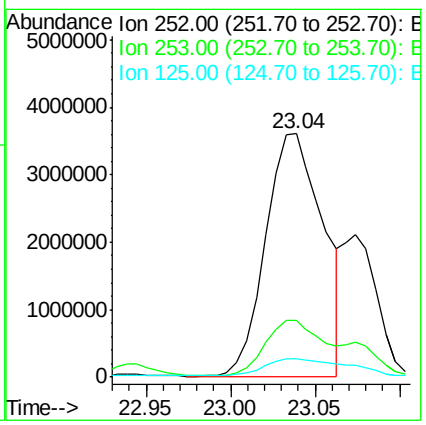


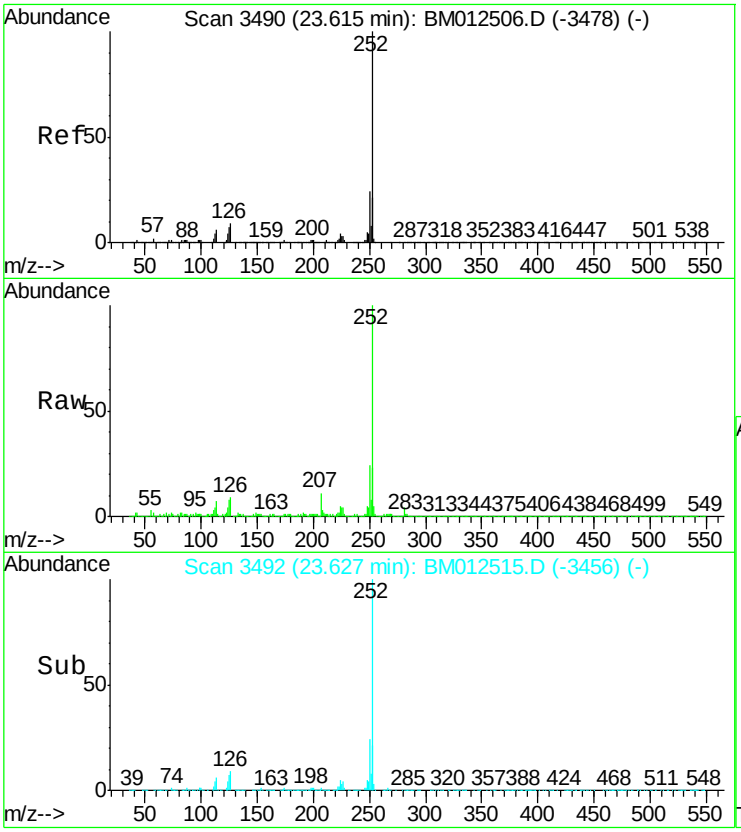


#86
Benzo(k)fluoranthene
Concen: 46.91 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. -0.03 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:252 Resp: 8458713

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	7.6	3.4	5.2#



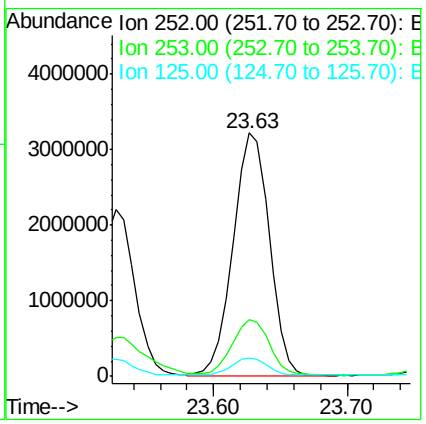


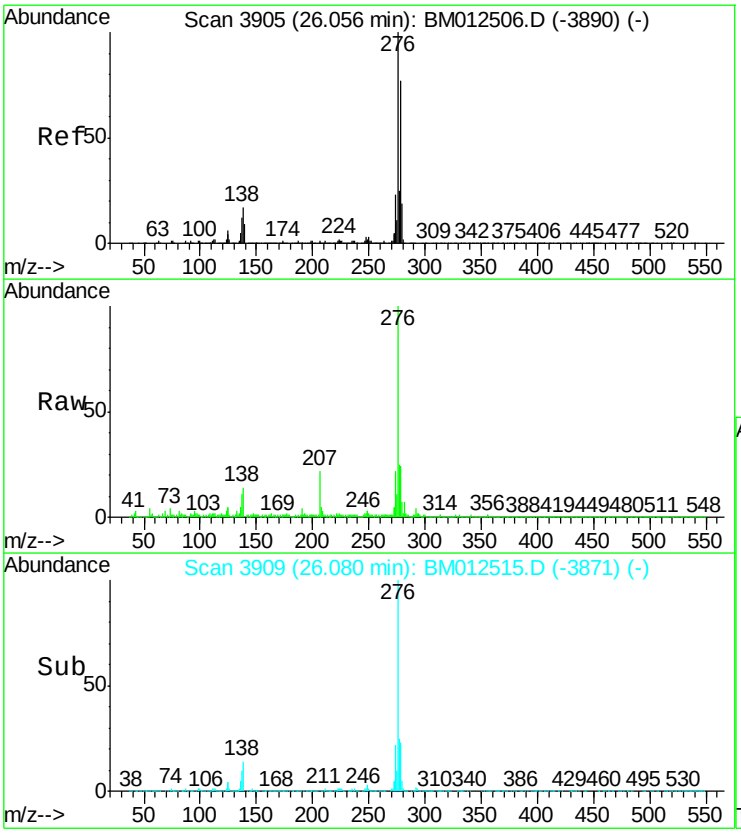
#88
Benzo(a)pyrene
Concen: 33.02 ng/ul
RT: 23.63 min Scan# 3492
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 6030902

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	7.7	4.0	6.0#

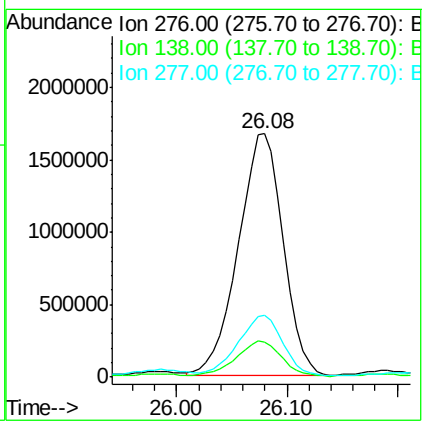


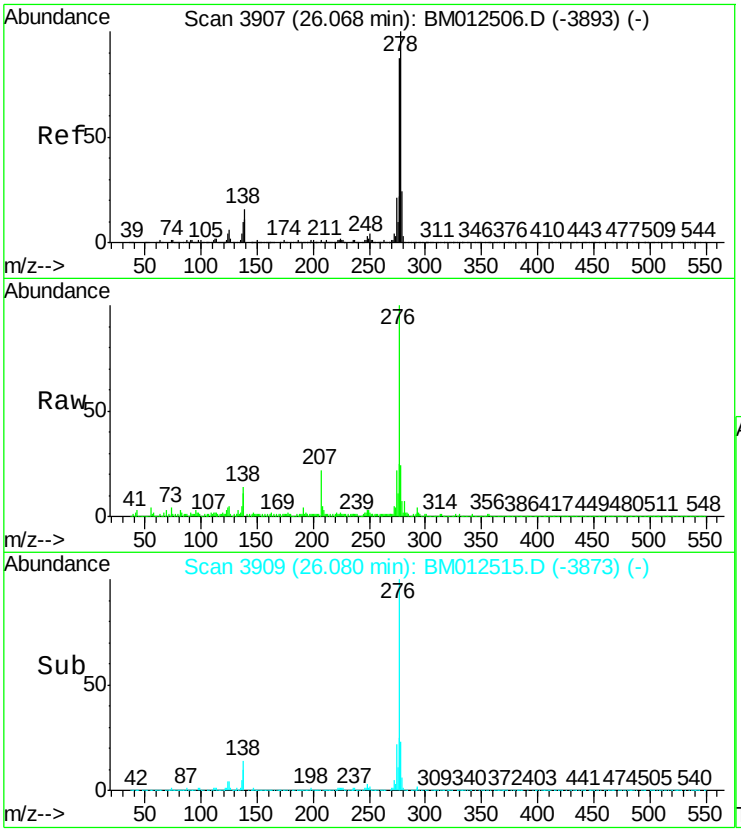


#89
Indeno(1,2,3-cd)pyrene
Concen: 22.06 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. 0.02 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:276 Resp: 4742158

Ion	Ratio	Lower	Upper
276	100		
138	14.4	9.3	13.9#
277	25.2	19.9	29.9



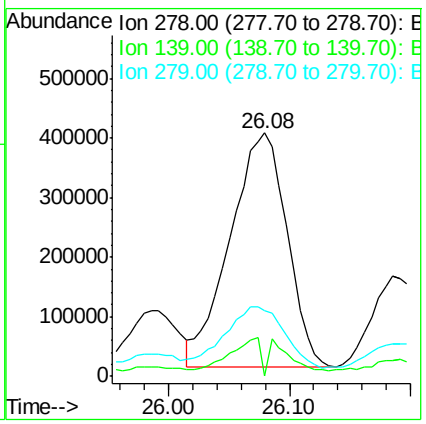


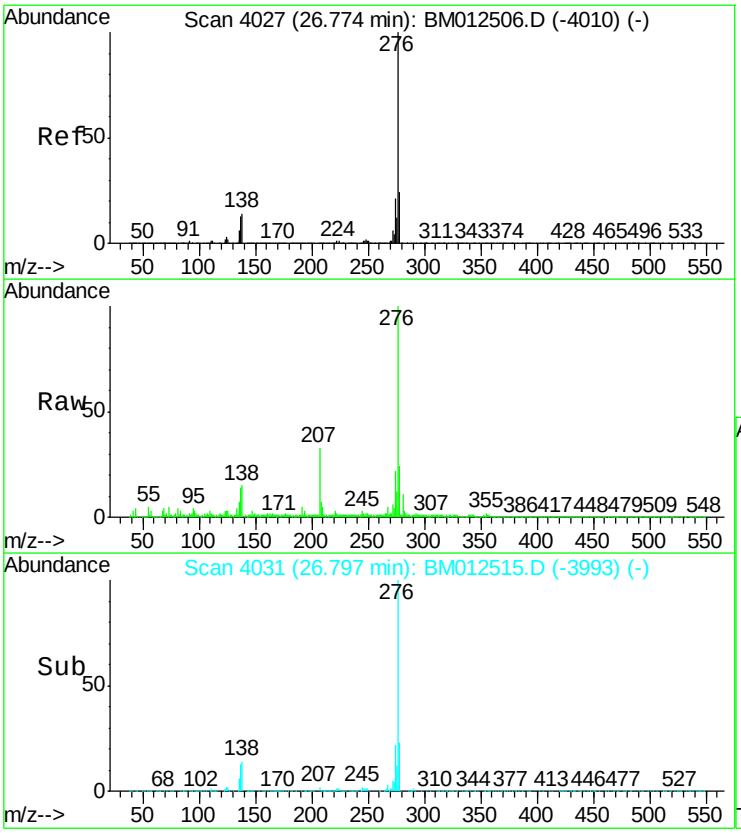
#90
Dibenzo(a,h)anthracene
Concen: 7.05 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 1284626

Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	26.8	18.6	27.8





#91
Benzo(g,h,i)perylene
Concen: 20.52 ng/ul
RT: 26.80 min Scan# 4031
Delta R.T. 0.02 min
Lab File: BM012515.D
Acq: 28 Oct 2017 09:03

Tgt Ion:276 Resp: 3574527

Ion	Ratio	Lower	Upper
276	100		
138	14.7	8.5	12.7#
277	24.3	18.6	28.0