Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM062216\
Data File : BM005928.D
Acq On : 23 Jun 2016 13:44
Operator : UM/SJ
Sample : H3612-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z18

Quant Time: Jun 23 14:16:43 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 23 11:19:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	183482	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	789293	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	445970	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	1052556	20.00	ng/ul	0.00
75) Chrysene-d12	21.25	240	1216199	20.00	ng/ul	0.00
83) Perylene-d12	23.47	264	1257161	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.19	96	7825	1.70	ng/uL	0.00
5) Phenol-d5	6.83	99	468439	29.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	298346	30.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	368857	29.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	365082	29.49	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	177604	30.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	156535	25.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	354332	30.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	156275	12.27	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	816141	23.03	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	1483283	33.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	155435	22.44	ng/ul	0.00
57) Fluorene-d10	15.31	176	1058669	34.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	64656	12.33	ng/ul	0.00
70) Anthracene-d10	17.16	188	1747166	36.44	ng/ul	0.00
76) Pyrene-d10	19.46	212	2018266	35.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	2088028	36.86	ng/ul	0.00
Target Compounds						Qvalue
8) Bis(2-Chloroethyl)ether	7.09	93	503530	39.87	ng/ul	99
10) 2-Chlorophenol	7.23	128	42064	3.23	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.20	45	533323	28.84	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.46	70	147545	14.04	ng/ul	97
17) Hexachloroethane	8.73	117	83885	15.95	ng/ul	97
21) Isophorone	9.37	82	231847	8.27	ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.87	93	674929	38.68	ng/ul	97
27) 2,4-Dichlorophenol	10.09	162	156200	13.25	ng/ul	99
28) Naphthalene	10.49	128	305292	7.75	ng/ul	99
36) 1,2,4,5-Tetrachlorobenzene	12.49	216	222348	15.70	ng/ul	98
37) Hexachlorocyclopentadiene	12.47	237	163974	20.03	ng/ul	96
39) 2,4,5-Trichlorophenol	12.79	196	233660	23.27	ng/ul	98
41) 2-Chloronaphthalene	13.17	162	687548	24.33	ng/ul	100
44) Dimethylphthalate	13.77	163	159535	4.46	ng/ul	99
45) 2,6-Dinitrotoluene	13.89	165	174366	24.91	ng/ul	95
47) Acenaphthylene	14.03	152	379879	8.08	ng/ul	98
53) Dibenzofuran	14.71	168	464252	10.81	ng/ul	99
54) 2,4-Dinitrotoluene	14.67	165	102330	9.93	ng/ul	95
58) Fluorene	15.36	166	916239	27.39	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.36	204	225100	14.02	ng/ul	96
65) 4-Bromophenyl-phenylether	16.26	248	190796	17.74	ng/ul	97
66) Hexachlorobenzene	16.36	284	172338	14.45	ng/ul	96
68) Pentachlorophenol	16.70	266	224823	31.30	ng/ul	97

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Sample : H3612-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z18

Quant Time: Jun 23 14:16:43 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 23 11:19:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.19	178	752276	12.89	ng/ul	100
72) Carbazole	17.46	167	703016	14.01	ng/ul	98
78) Butylbenzylphthalate	20.40	149	700776	22.57	ng/ul	97
80) Benzo(a)anthracene	21.23	228	1551494	21.50	ng/ul	99
84) Di-n-octyl phthalate	22.06	149	1715058	22.83	ng/ul	99
85) Benzo(b)fluoranthene	22.80	252	1804686	23.63	ng/ul	99
86) Benzo(k)fluoranthene	22.84	252	876278	12.60	ng/ul	99

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

Quantitation Report (QT/LSC Reviewed)

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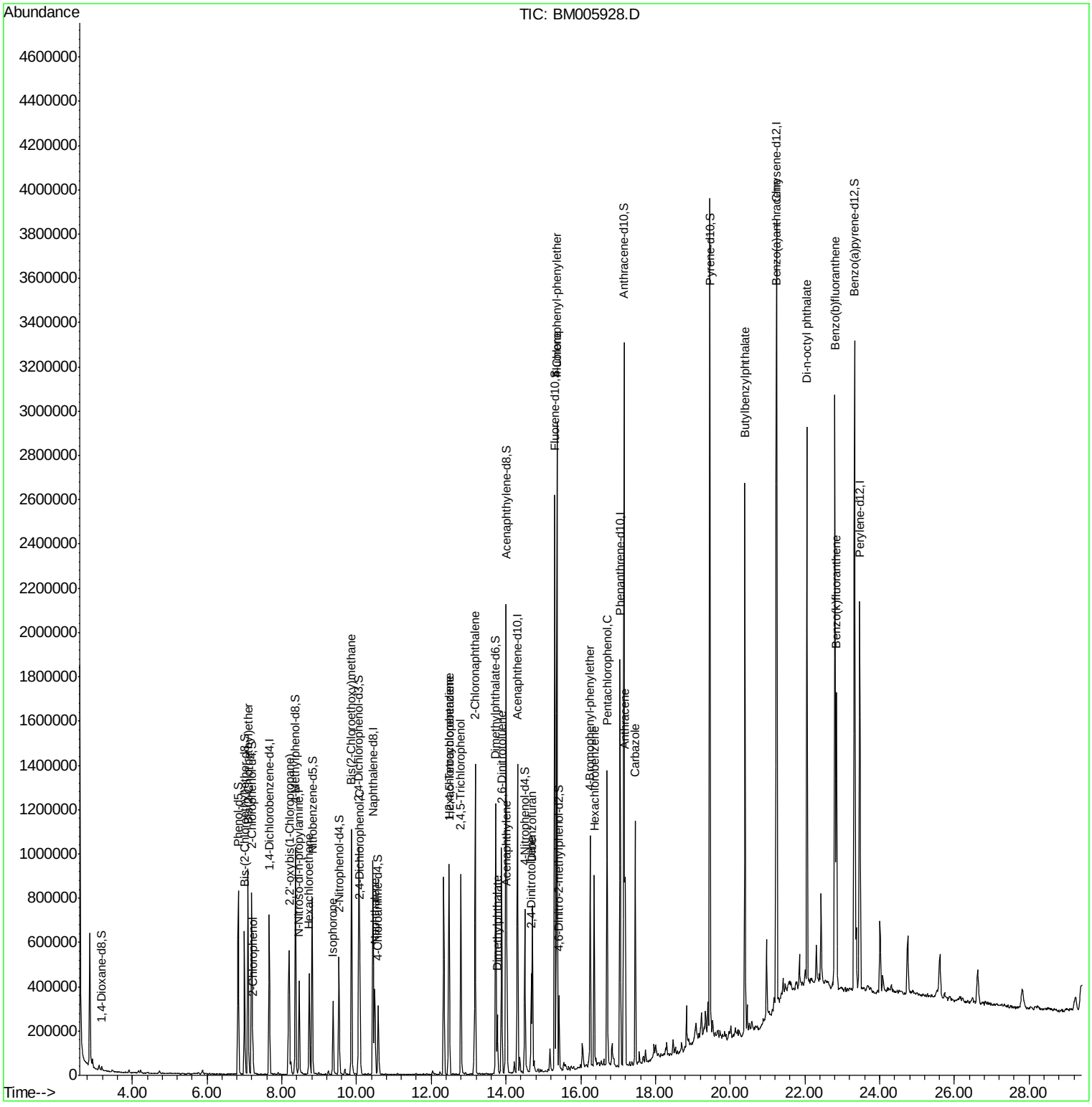
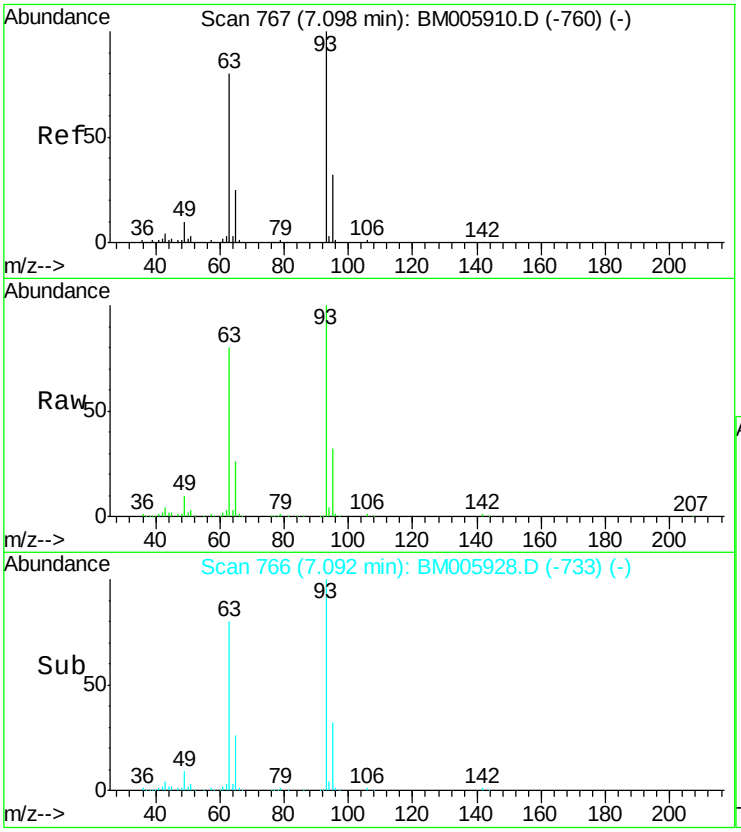


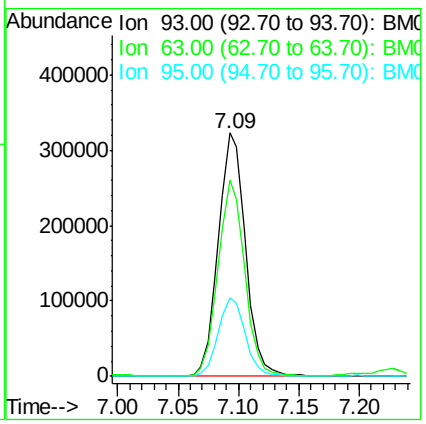


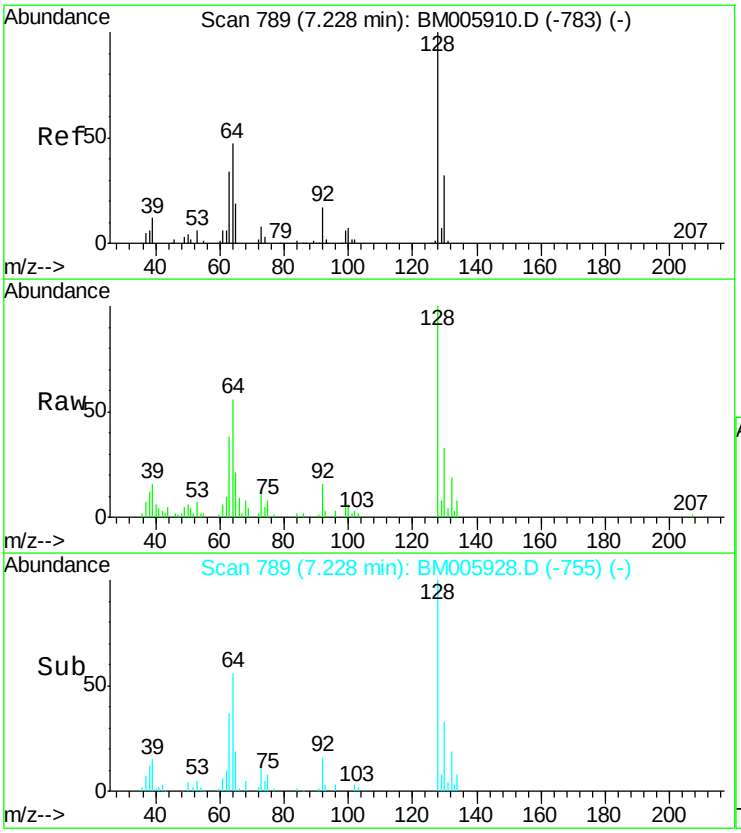
#8
Bis(2-Chloroethyl)ether
Concen: 39.87 ng/ul
RT: 7.09 min Scan# 766
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion: 93 Resp: 503530

Ion	Ratio	Lower	Upper
93	100		
63	80.5	64.1	96.1
95	32.3	25.4	38.2

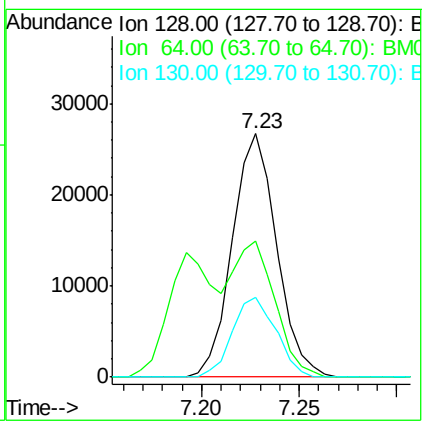


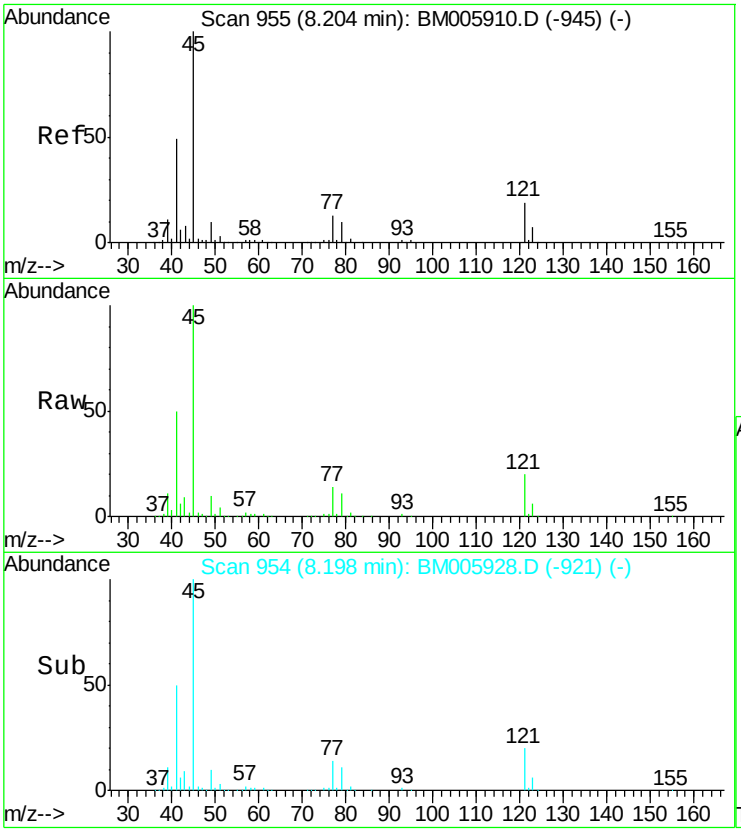


#10
2-Chlorophenol
Concen: 3.23 ng/ul
RT: 7.23 min Scan# 789
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:128 Resp: 42064

Ion	Ratio	Lower	Upper
128	100		
64	55.8	41.7	62.5
130	33.0	25.9	38.9



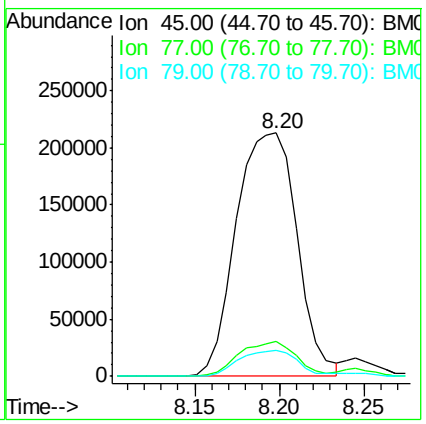


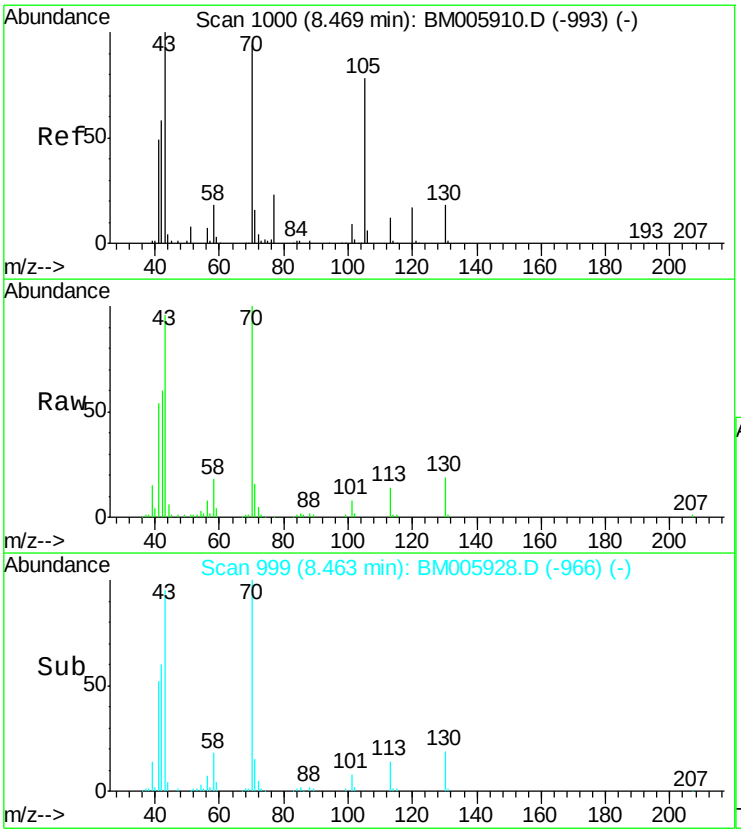
#12
2,2'-oxybis(1-Chloropropane)
Concen: 28.84 ng/ul
RT: 8.20 min Scan# 954
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion: 45 Resp: 533323

Ion	Ratio	Lower	Upper
45	100		
77	14.2	10.7	16.1
79	10.8	8.6	12.8

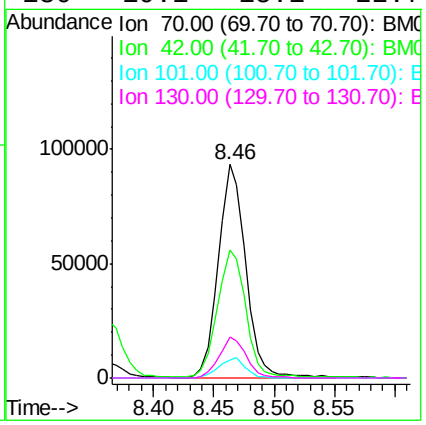


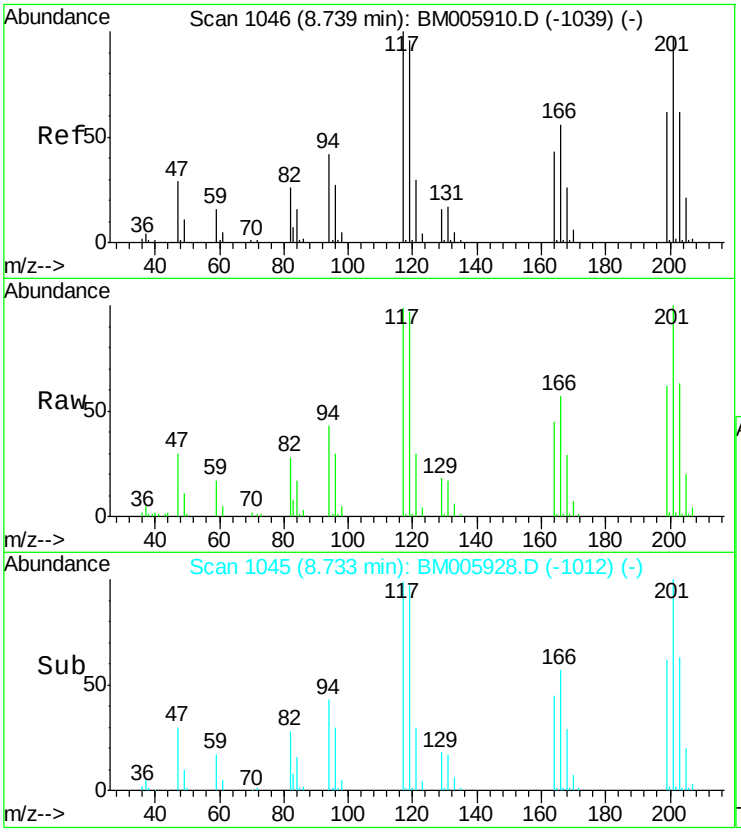


#15
N-Nitroso-di-n-propylamine
Concen: 14.04 ng/ul
RT: 8.46 min Scan# 999
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion: 70 Resp: 147545

Ion	Ratio	Lower	Upper
70	100		
42	60.2	50.3	75.5
101	8.4	7.4	11.0
130	19.1	15.1	22.7



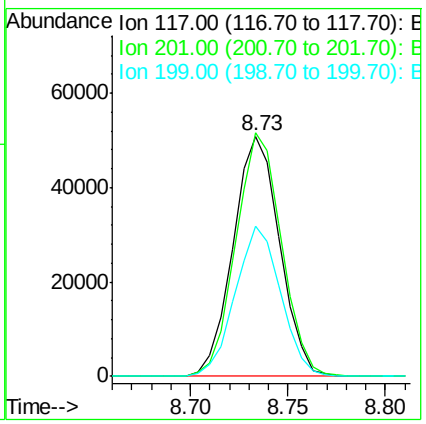


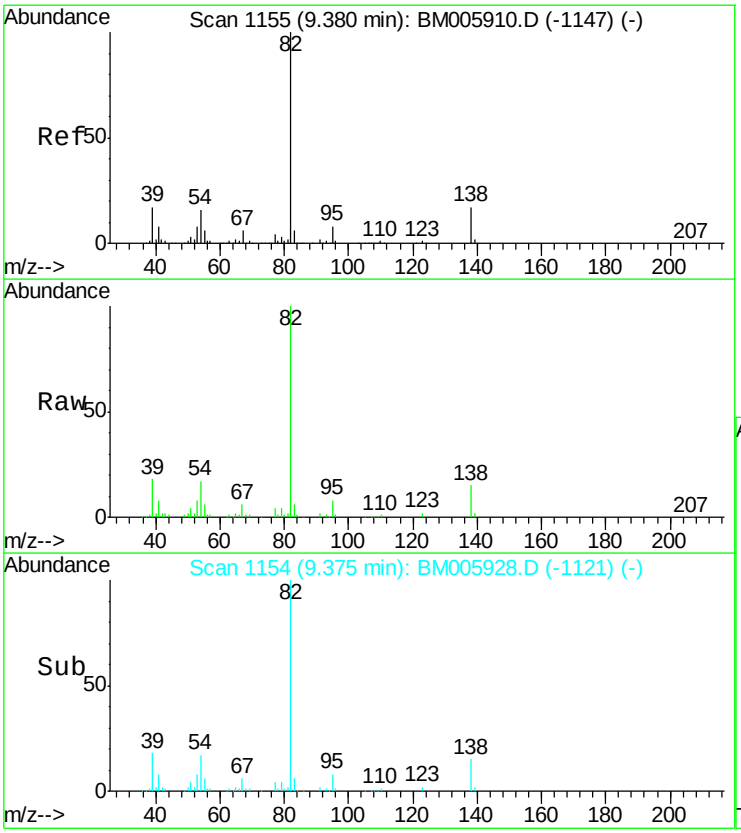
#17
Hexachloroethane
Concen: 15.95 ng/ul
RT: 8.73 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:117 Resp: 83885

Ion	Ratio	Lower	Upper
117	100		
201	101.3	77.5	116.3
199	62.6	49.2	73.8

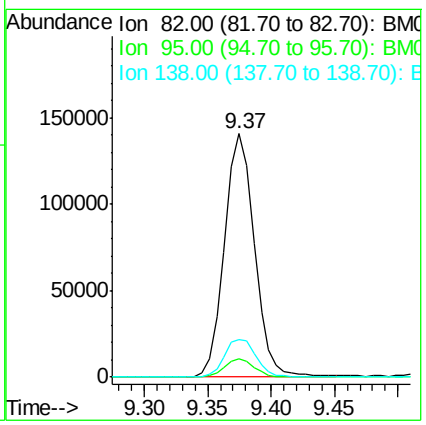


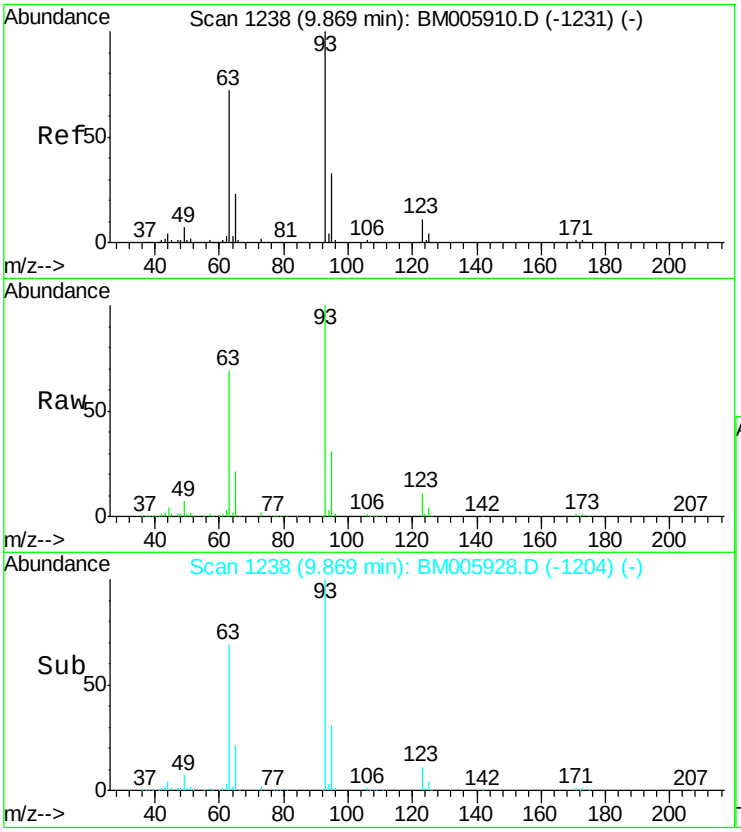


#21
Isophorone
Concen: 8.27 ng/ul
RT: 9.37 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion: 82 Resp: 231847

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.0	9.0
138	15.5	13.6	20.4



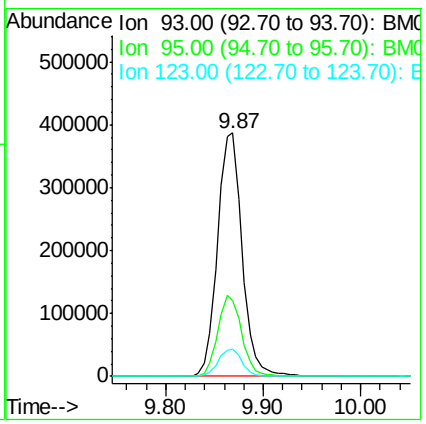


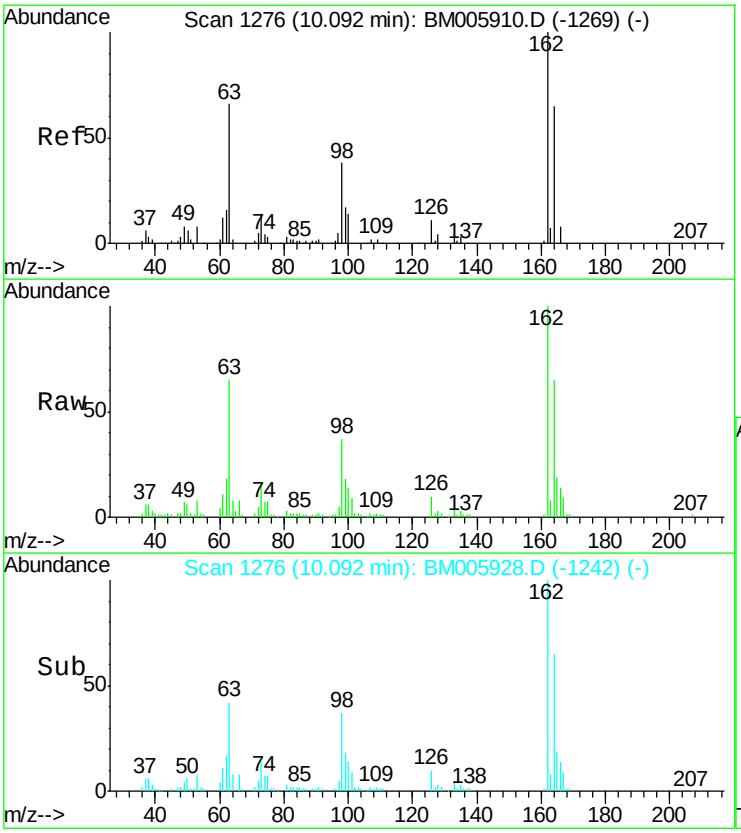
#25
Bis(2-Chloroethoxy)methane
Concen: 38.68 ng/ul
RT: 9.87 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion: 93 Resp: 674929

Ion	Ratio	Lower	Upper
93	100		
95	31.4	26.7	40.1
123	11.0	8.7	13.1

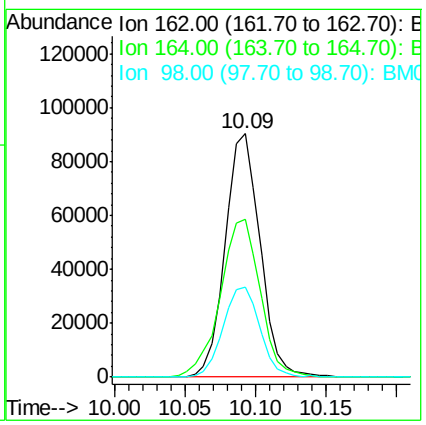


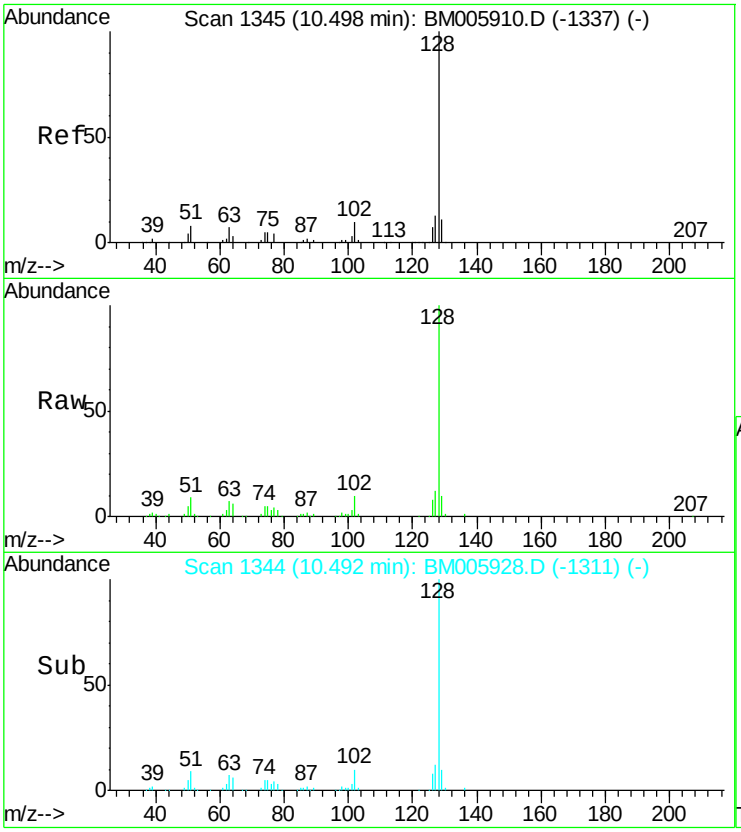


#27
2,4-Dichlorophenol
Concen: 13.25 ng/ul
RT: 10.09 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:162 Resp: 156200

Ion	Ratio	Lower	Upper
162	100		
164	64.9	52.4	78.6
98	37.0	30.7	46.1



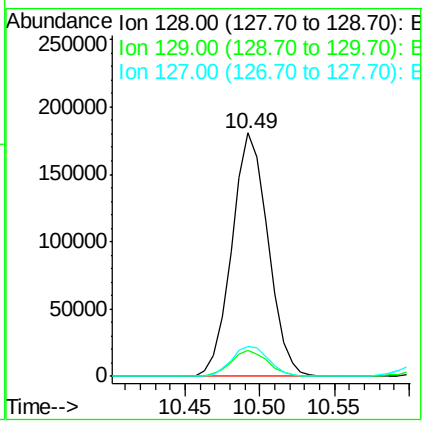


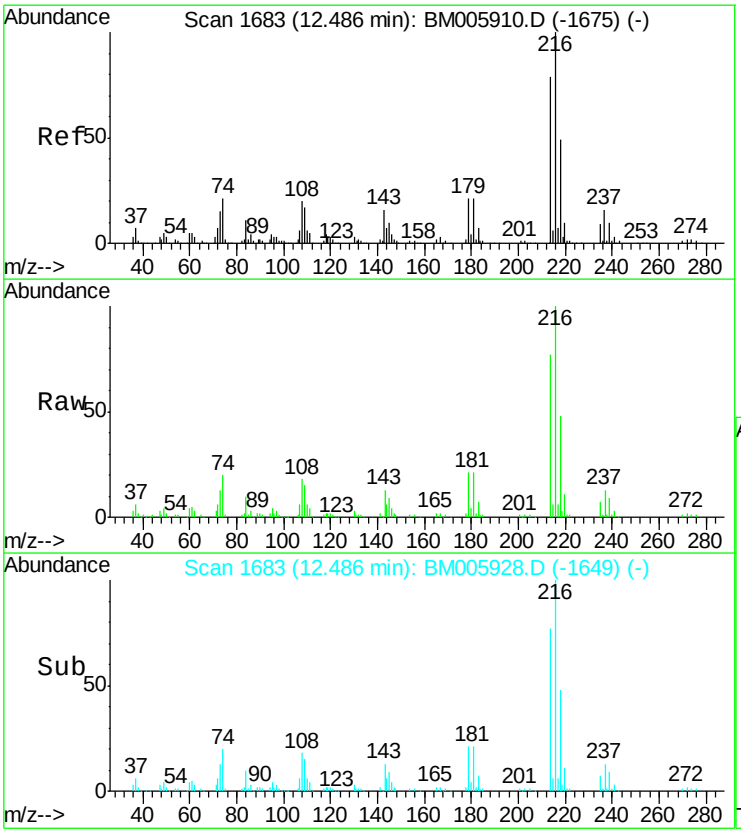
#28
Naphthalene
Concen: 7.75 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:128 Resp: 305292

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	12.2	10.4	15.6

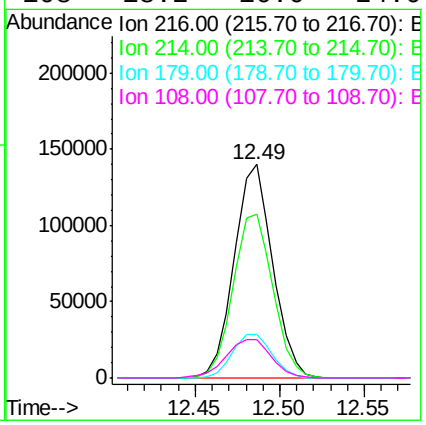


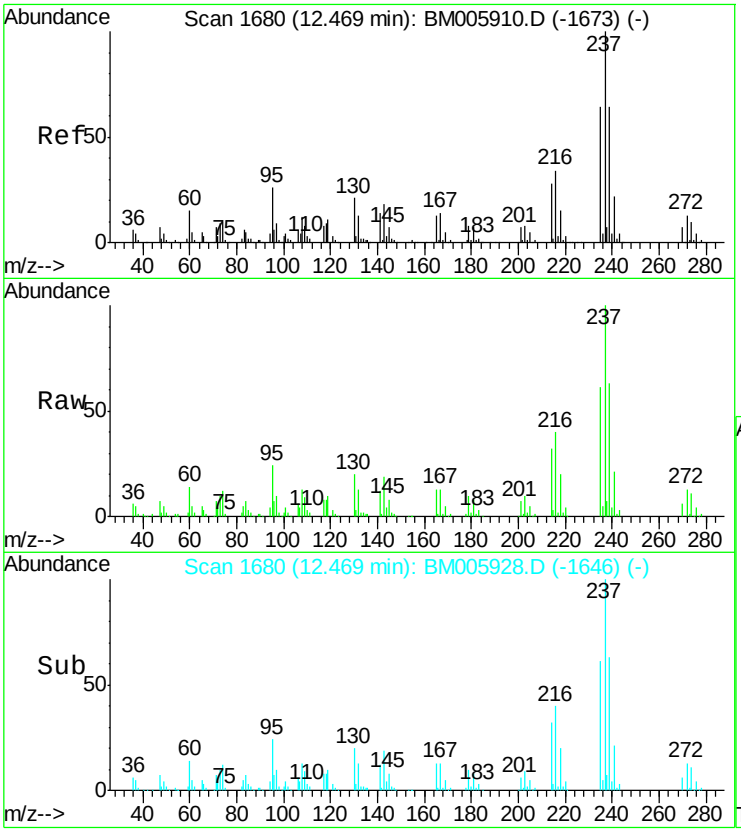


#36
1,2,4,5-Tetrachlorobenzene
Concen: 15.70 ng/ul
RT: 12.49 min Scan# 1683
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:216 Resp: 222348

Ion	Ratio	Lower	Upper
216	100		
214	77.0	62.9	94.3
179	20.5	17.2	25.8
108	18.2	16.0	24.0



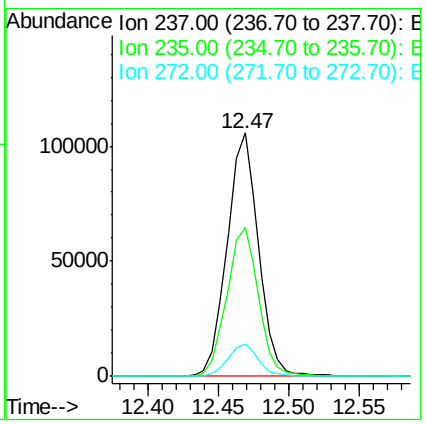


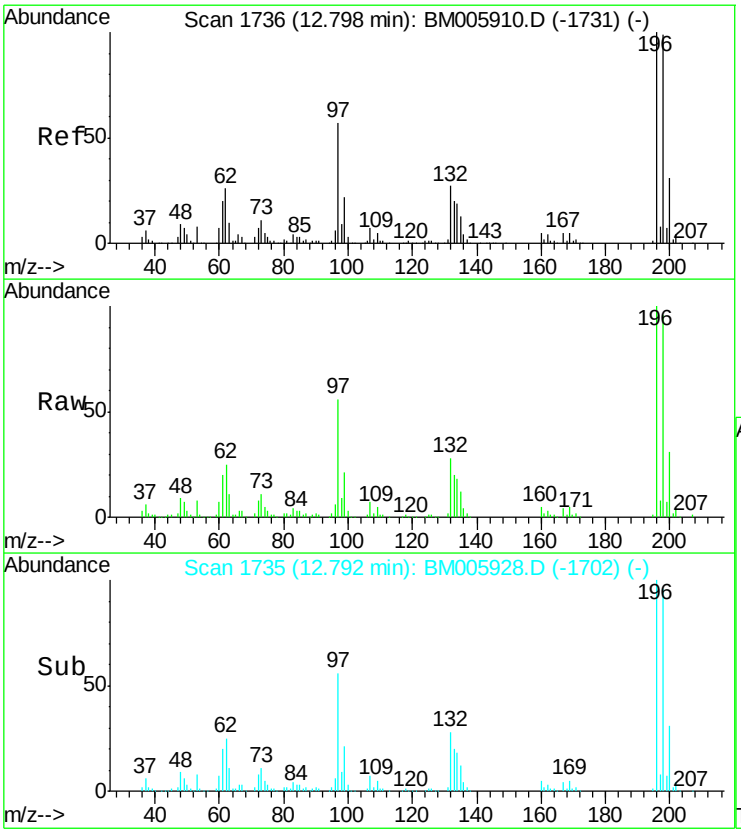
#37
Hexachlorocyclopentadiene
Concen: 20.03 ng/ul
RT: 12.47 min Scan# 1680
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:237 Resp: 163974

Ion	Ratio	Lower	Upper
237	100		
235	61.1	51.4	77.2
272	13.3	10.1	15.1

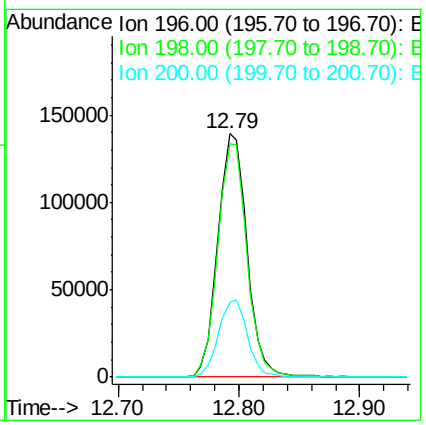


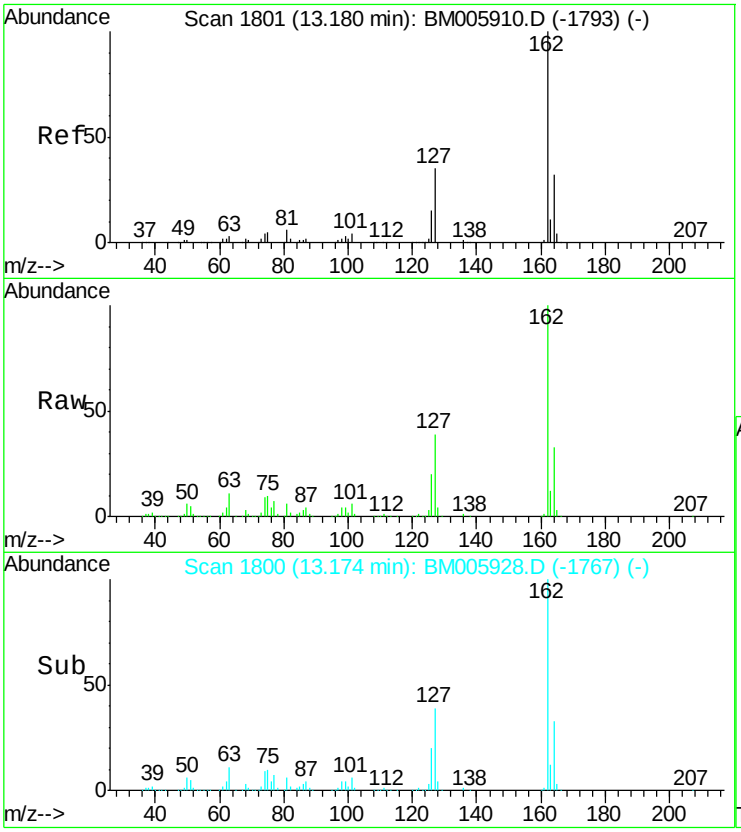


#39
2,4,5-Trichlorophenol
Concen: 23.27 ng/ul
RT: 12.79 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:196 Resp: 233660

Ion	Ratio	Lower	Upper
196	100		
198	95.8	79.0	118.6
200	30.7	24.6	37.0



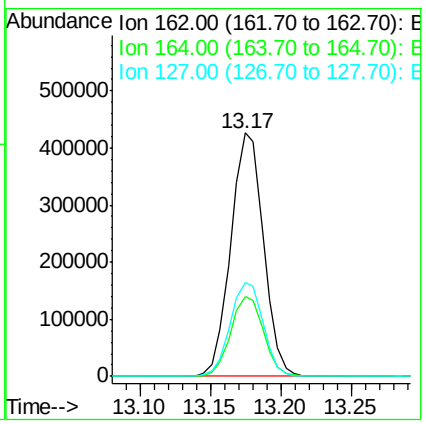


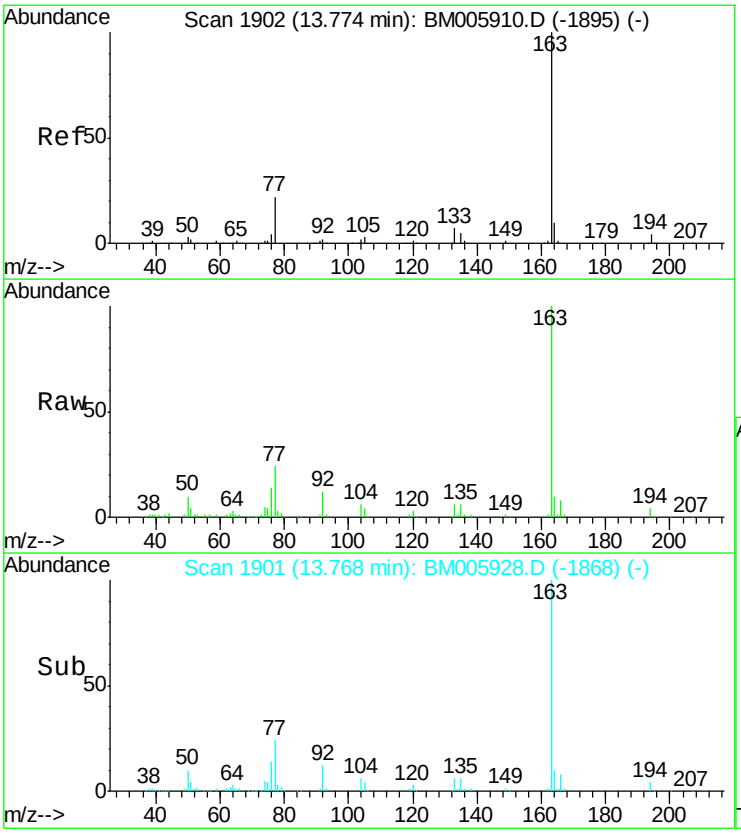
#41
2-Chloronaphthalene
Concen: 24.33 ng/ul
RT: 13.17 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:162 Resp: 687548

Ion	Ratio	Lower	Upper
162	100		
164	32.6	25.7	38.5
127	38.8	31.0	46.6

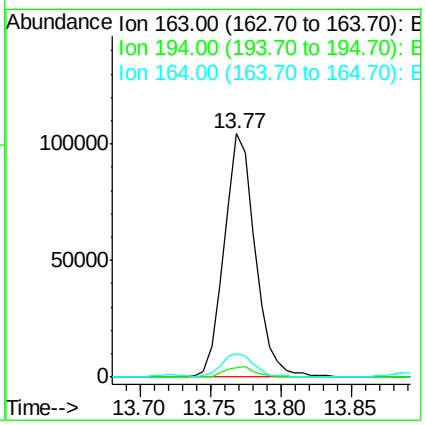


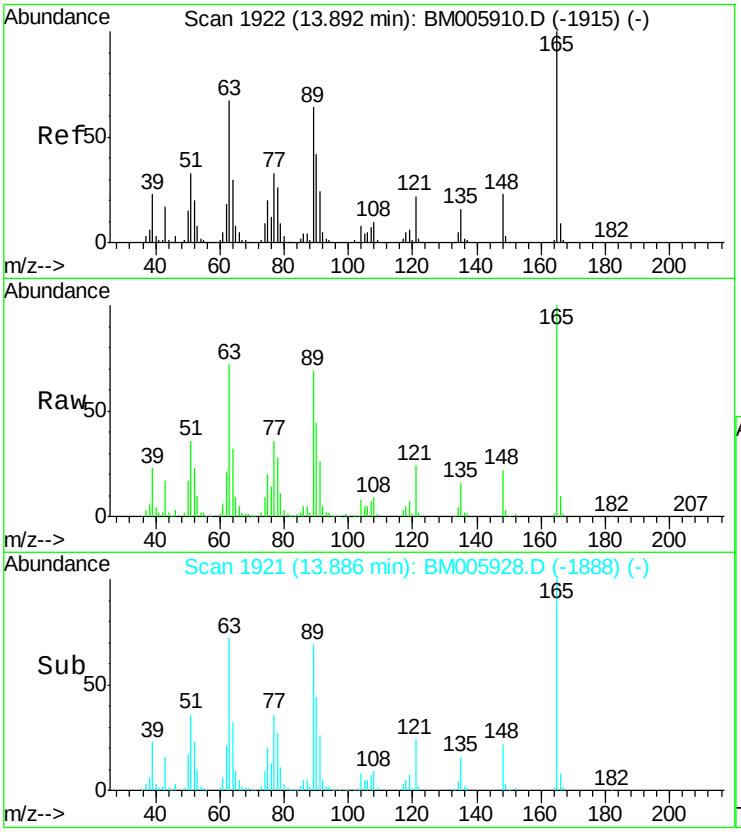


#44
Dimethylphthalate
Concen: 4.46 ng/ul
RT: 13.77 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:163 Resp: 159535

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.6	7.9	11.9



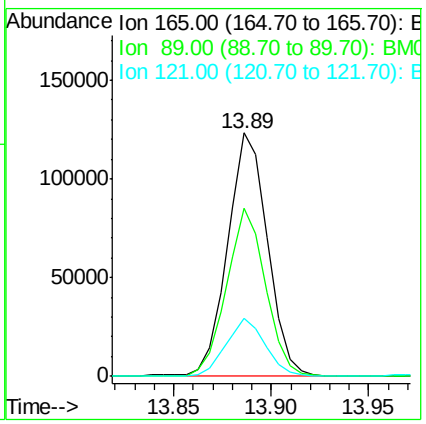


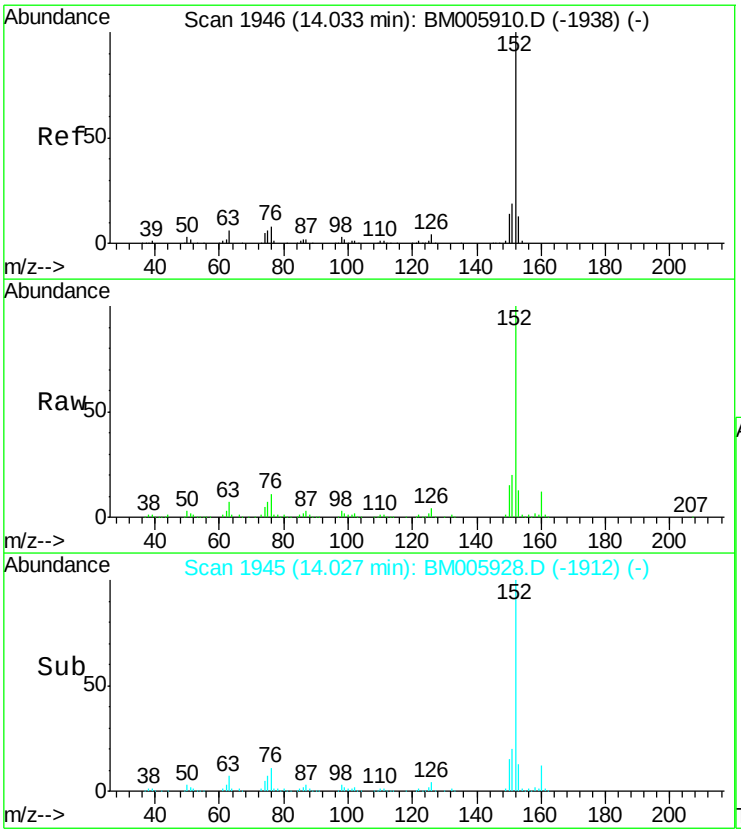
#45
2,6-Dinitrotoluene
Concen: 24.91 ng/ul
RT: 13.89 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:165 Resp: 174366

Ion	Ratio	Lower	Upper
165	100		
89	68.8	51.2	76.8
121	23.8	17.8	26.6

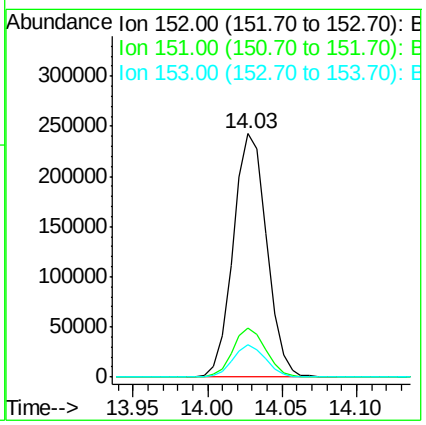


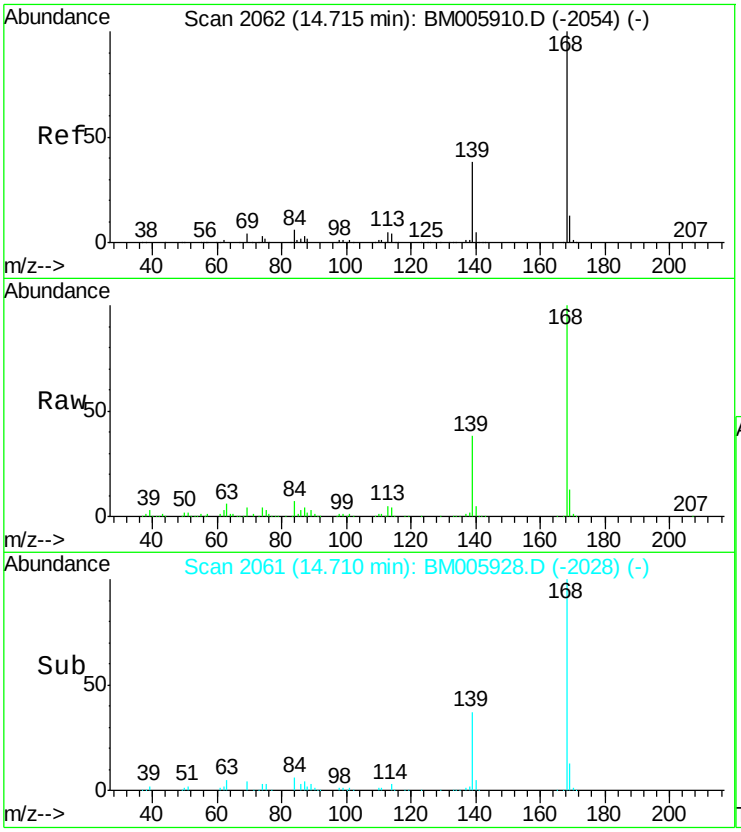


#47
Acenaphthylene
Concen: 8.08 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:152 Resp: 379879

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.4	23.2
153	13.4	10.0	15.0



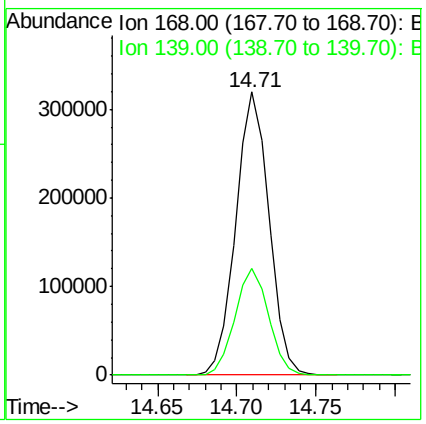


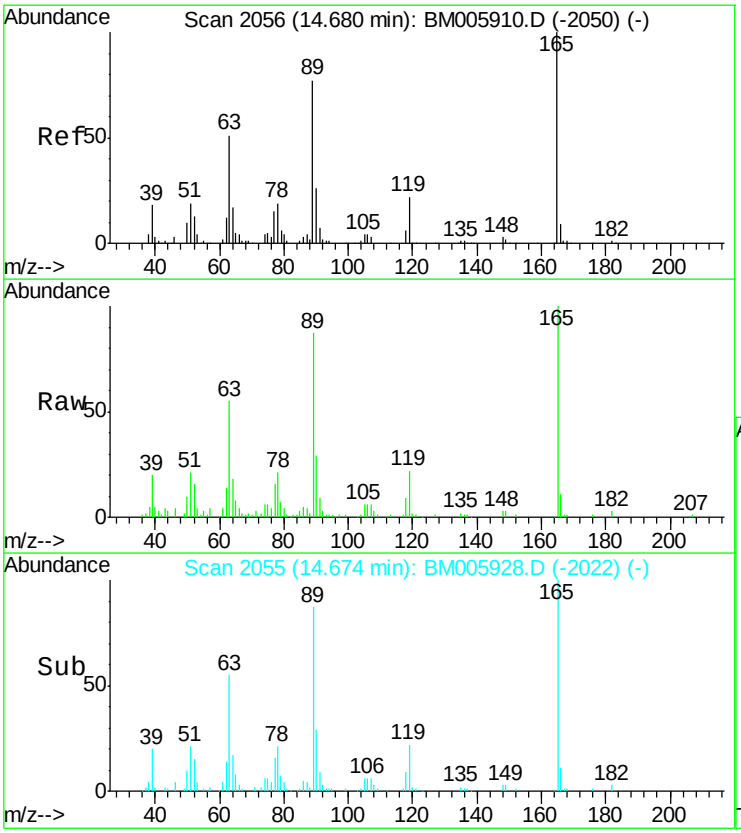
#53
Dibenzofuran
Concen: 10.81 ng/ul
RT: 14.71 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:168 Resp: 464252

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.8	46.2

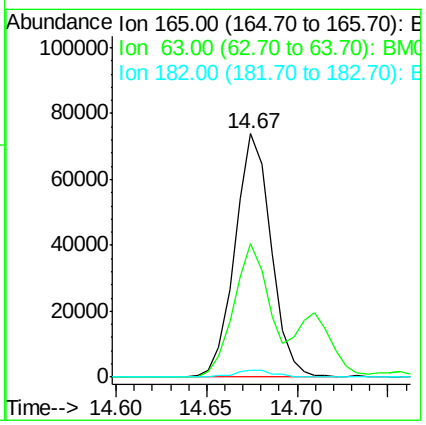


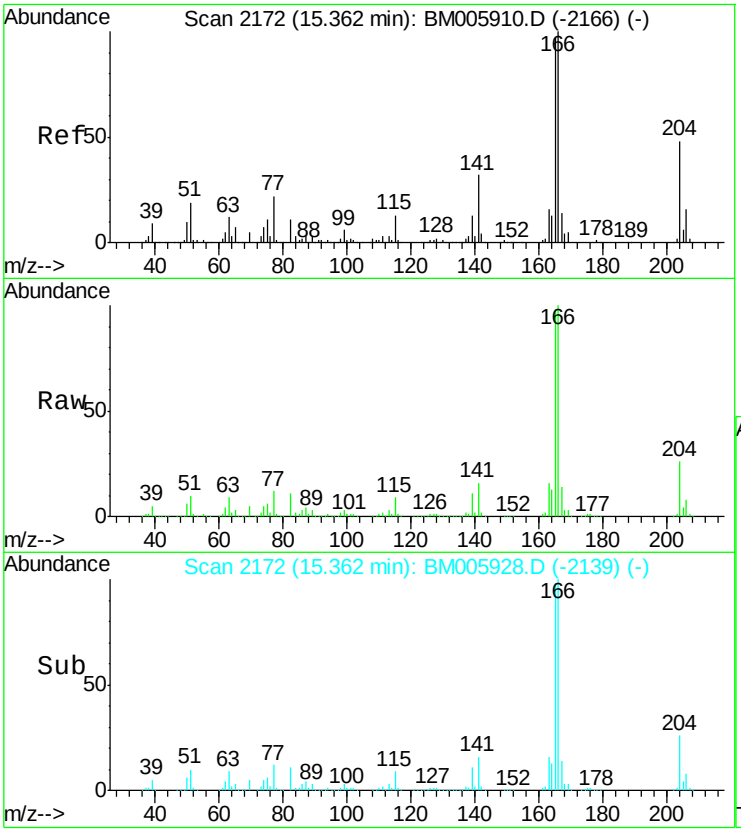


#54
2,4-Dinitrotoluene
Concen: 9.93 ng/ul
RT: 14.67 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:165 Resp: 102330

Ion	Ratio	Lower	Upper
165	100		
63	54.9	41.2	61.8
182	2.7	2.0	3.0



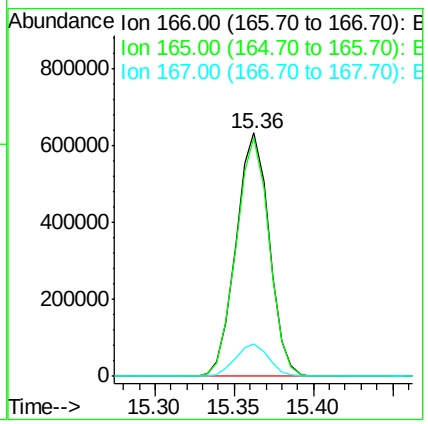


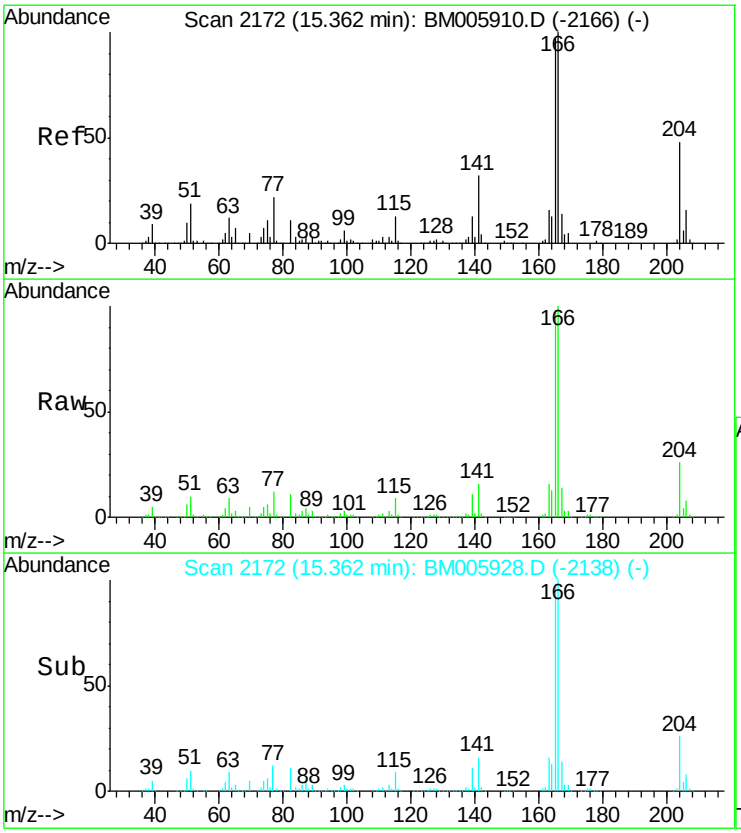
#58
Fluorene
Concen: 27.39 ng/ul
RT: 15.36 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:166 Resp: 916239

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.3	115.9
167	13.6	11.0	16.6

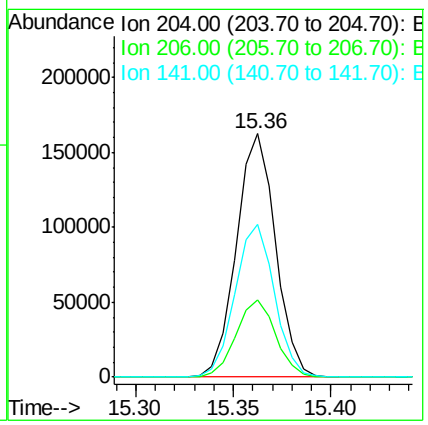


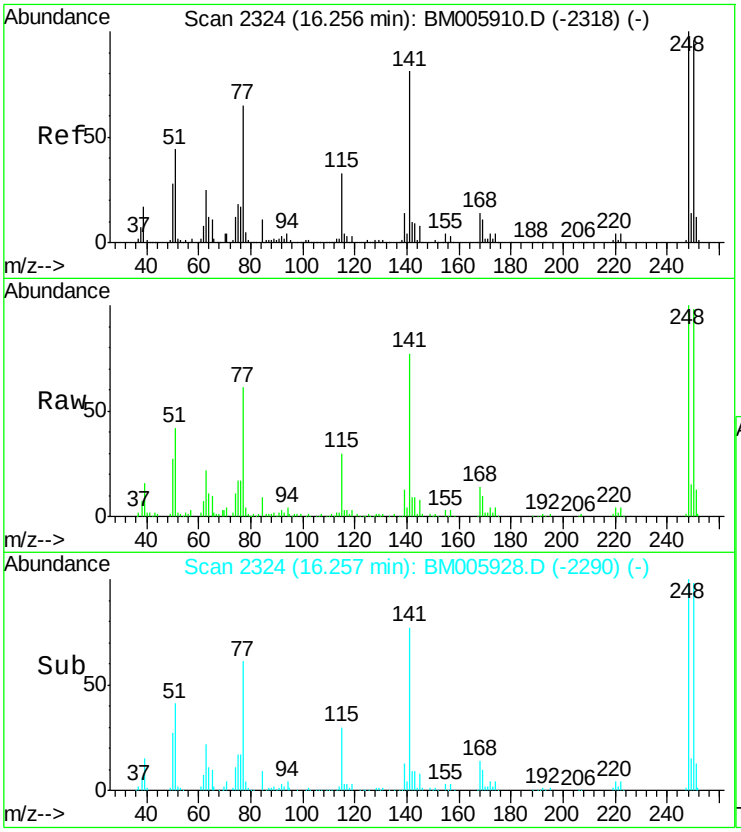


#59
4-Chlorophenyl-phenylether
Concen: 14.02 ng/ul
RT: 15.36 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:204 Resp: 225100

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.8	40.2
141	62.9	53.0	79.6



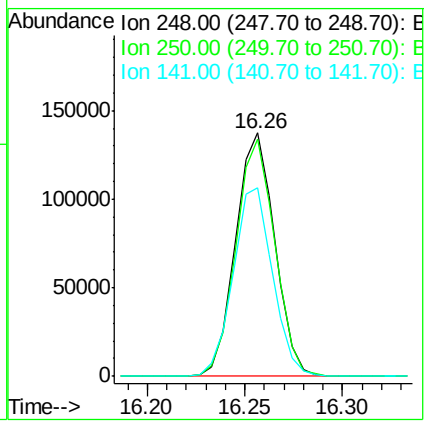


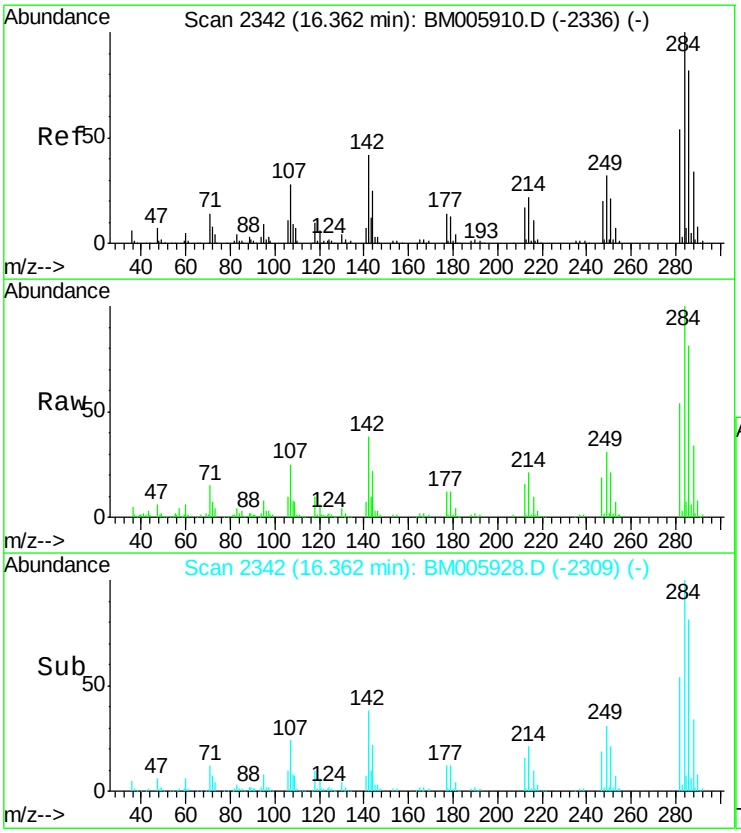
#65
4-Bromophenyl-phenylether
Concen: 17.74 ng/ul
RT: 16.26 min Scan# 2324
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:248 Resp: 190796

Ion	Ratio	Lower	Upper
248	100		
250	97.5	76.6	114.8
141	77.4	64.6	96.8

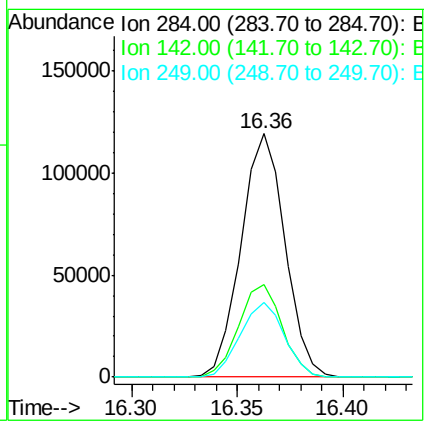


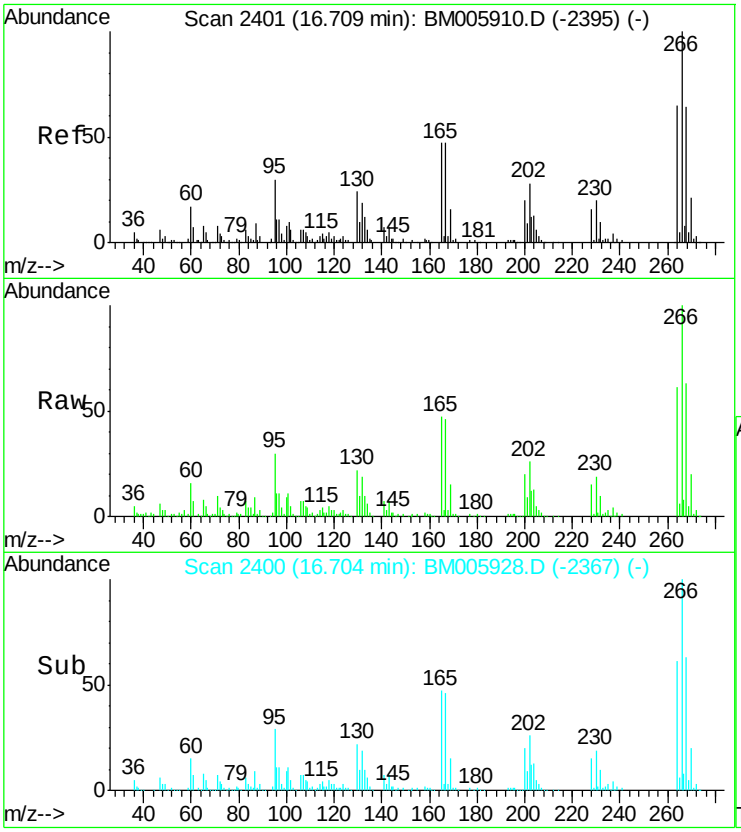


#66
Hexachlorobenzene
Concen: 14.45 ng/ul
RT: 16.36 min Scan# 2342
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:284 Resp: 172338

Ion	Ratio	Lower	Upper
284	100		
142	38.1	33.4	50.0
249	30.9	25.3	37.9



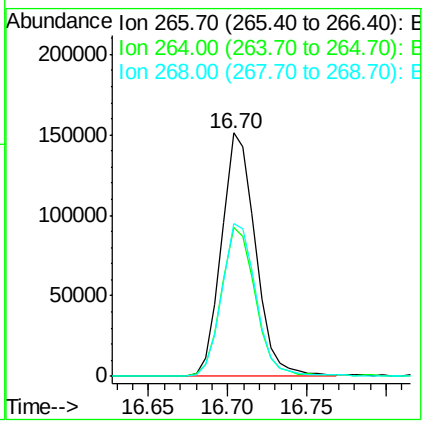


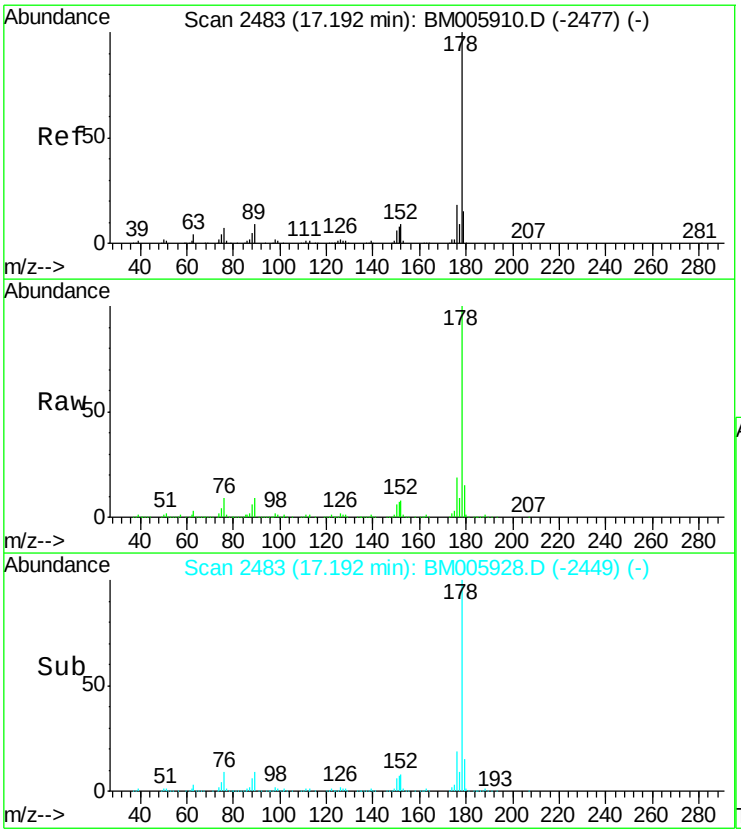
#68
Pentachlorophenol
Concen: 31.30 ng/ul
RT: 16.70 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:266 Resp: 224823

Ion	Ratio	Lower	Upper
266	100		
264	60.9	52.1	78.1
268	62.6	51.0	76.4

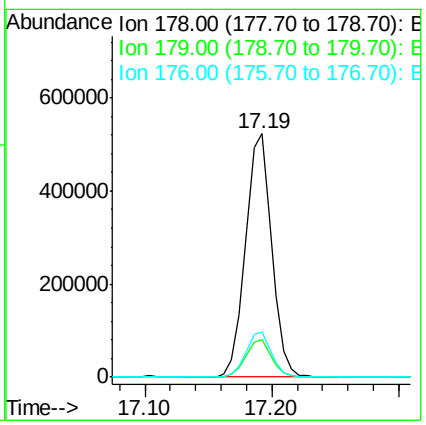


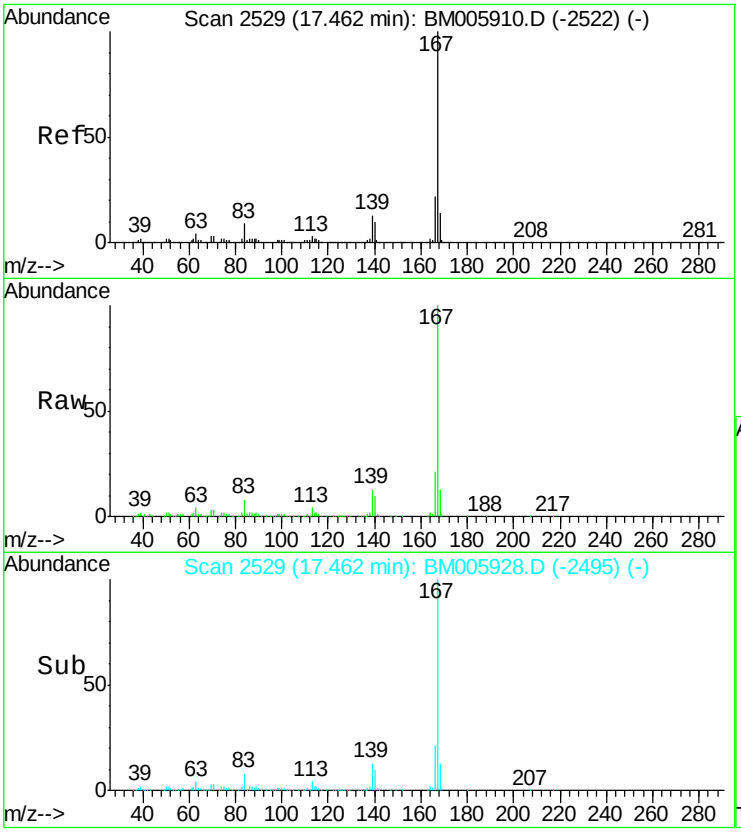


#71
Anthracene
Concen: 12.89 ng/ul
RT: 17.19 min Scan# 2483
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:178 Resp: 752276

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.6	14.7	22.1



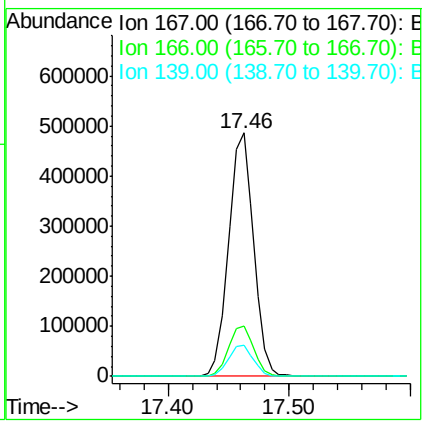


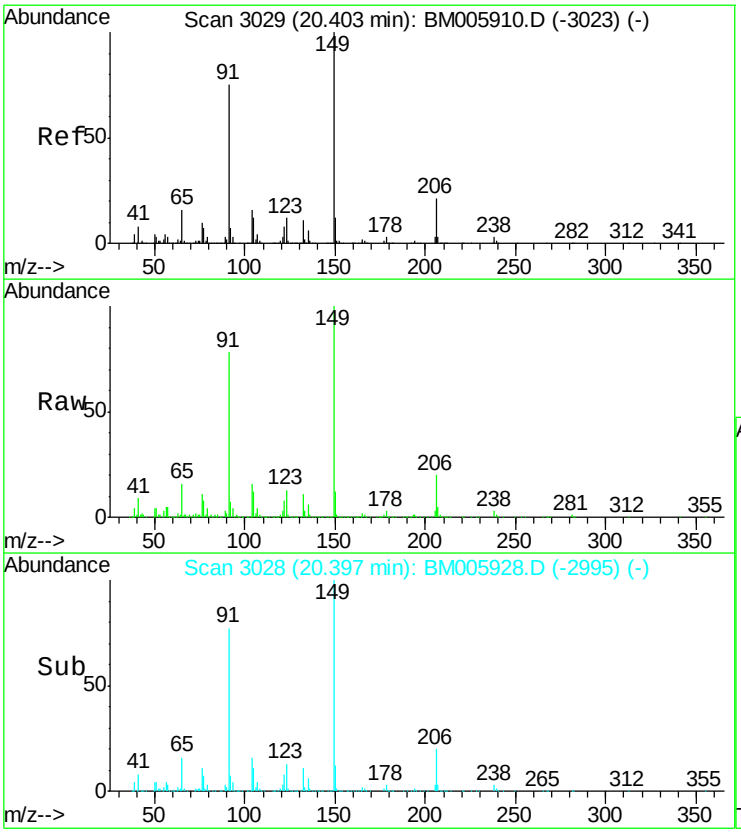
#72
Carbazole
Concen: 14.01 ng/ul
RT: 17.46 min Scan# 2529
Delta R.T. -0.00 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:167 Resp: 703016

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.3	25.9
139	13.0	10.8	16.2

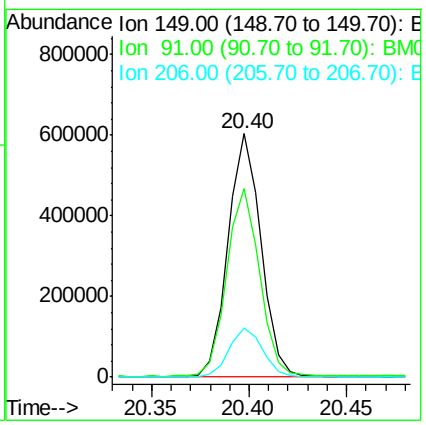


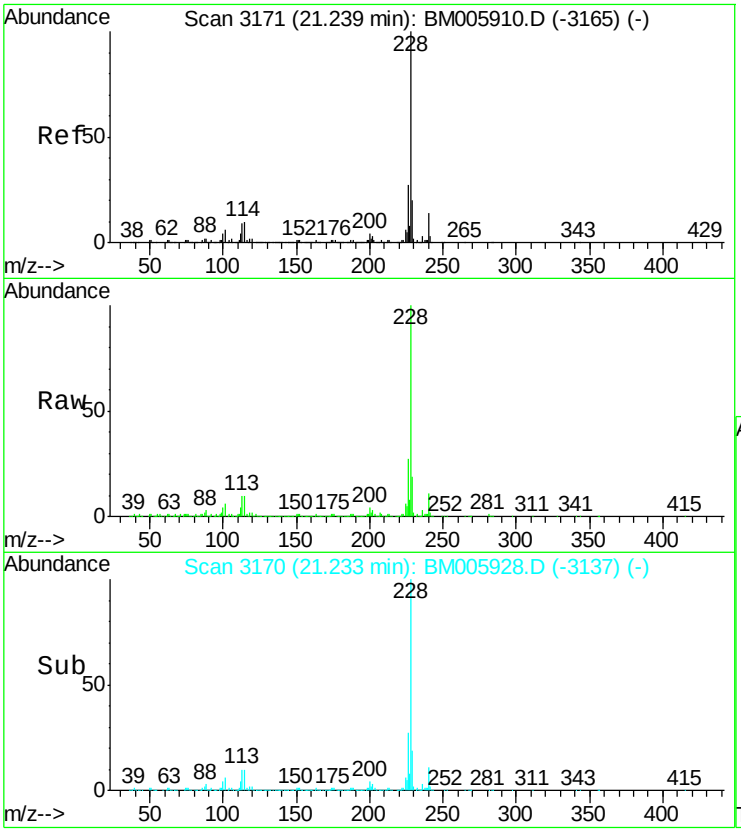


#78
Butylbenzylphthalate
Concen: 22.57 ng/ul
RT: 20.40 min Scan# 3028
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:149 Resp: 700776

Ion	Ratio	Lower	Upper
149	100		
91	77.6	60.2	90.4
206	20.4	17.0	25.6



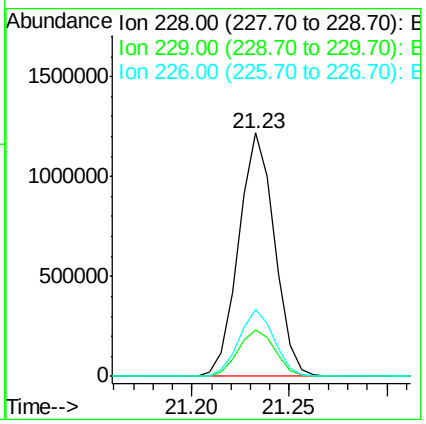


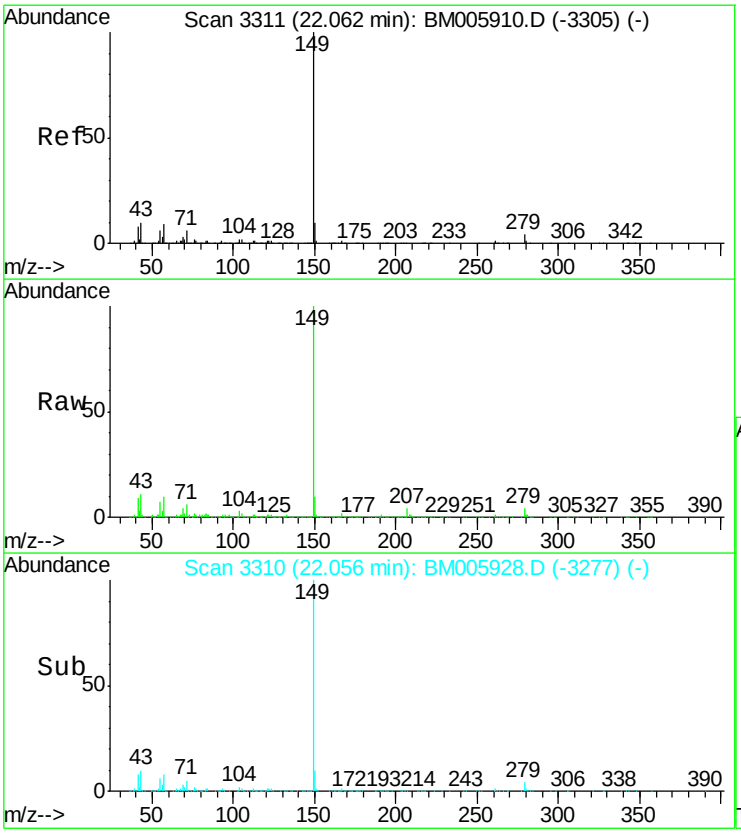
#80
Benzo(a)anthracene
Concen: 21.50 ng/ul
RT: 21.23 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:228 Resp: 1551494

Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.8	23.8
226	27.3	21.6	32.4

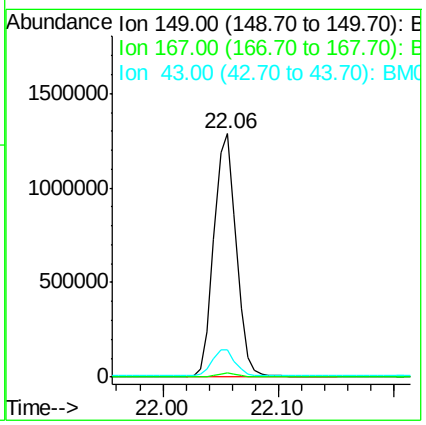


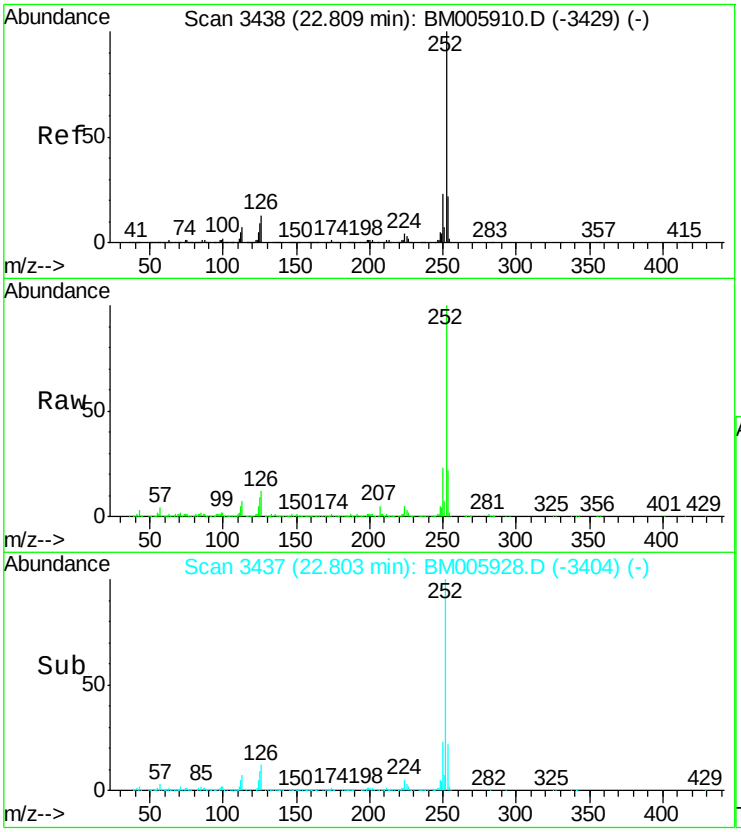


#84
Di-n-octyl phthalate
Concen: 22.83 ng/ul
RT: 22.06 min Scan# 3310
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:149 Resp: 1715058

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.0	8.5	12.7



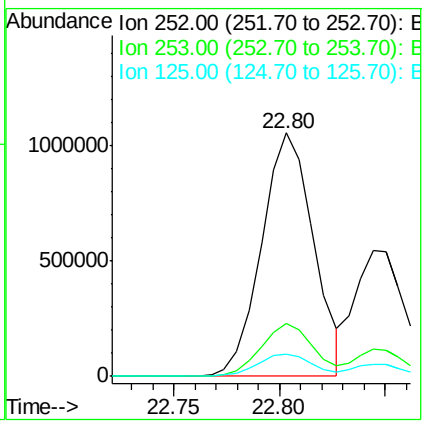


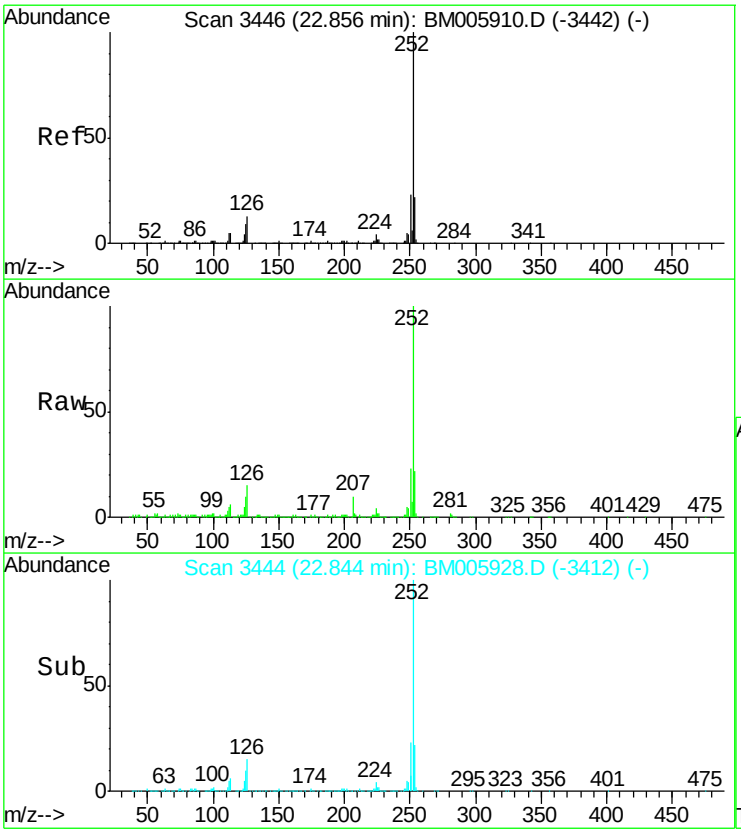
#85
Benzo(b)fluoranthene
Concen: 23.63 ng/ul
RT: 22.80 min Scan# 3437
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Instrument :
BNA_M
ClientSampleId :
D9Z18

Tgt Ion:252 Resp: 1804686

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.2	7.4	11.2





#86
Benzo(k)fluoranthene
Concen: 12.60 ng/ul
RT: 22.84 min Scan# 3444
Delta R.T. -0.01 min
Lab File: BM005928.D
Acq: 23 Jun 2016 13:44

Tgt Ion:252 Resp: 876278

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.9	7.4	11.0