Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022616\
Data File : BM004427.D
Acq On : 26 Feb 2016 14:42
Operator : SJ/UM
Sample : H1564-27
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9R23

Quant Time: Feb 27 00:07:54 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM022216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 26 23:20:20 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	19404	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	91495	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.28	164	55313	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	113469	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	98628	20.00	ng/ul	0.00
86) Perylene-d12	23.47	264	94755	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.08	96	1174	3.19	ng/uL	0.00
5) Phenol-d5	6.80	99	35289	21.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	18869	22.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	31815	22.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	34146	23.49	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	16365	23.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	18586	23.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	34082	23.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	36943	20.67	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	141347	29.80	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	171884	30.95	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	19803	25.97	ng/ul	0.00
58) Fluorene-d10	15.28	176	127411	31.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	16471	23.63	ng/ul	0.00
71) Anthracene-d10	17.13	188	196641	35.37	ng/ul	0.00
79) Pyrene-d10	19.44	212	193942	40.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	184539	37.11	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.76	77	28222	32.06	ng/ul	93
10) 2-Chlorophenol	7.19	128	5130	3.52	ng/ul	94
23) 2-Nitrophenol	9.53	139	25451	28.51	ng/ul	93
28) Naphthalene	10.45	128	30064	5.89	ng/ul	99
31) Hexachlorobutadiene	10.73	225	13637	14.38	ng/ul	99
33) 4-Chloro-3-methylphenol	11.72	107	24295	13.73	ng/ul	98
37) 1,2,4,5-Tetrachlorobenzene	12.46	216	11749	6.39	ng/ul	98
39) 2,4,6-Trichlorophenol	12.71	196	18152	15.18	ng/ul	97
41) 1,1'-Biphenyl	13.10	154	100122	21.07	ng/ul	99
45) Dimethylphthalate	13.74	163	140411	28.38	ng/ul	100
46) 2,6-Dinitrotoluene	13.87	165	13621	13.73	ng/ul	98
53) 4-Nitrophenol	14.54	109	18368	32.22	ng/ul	94
54) Dibenzofuran	14.68	168	52597	9.13	ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.44	198	12229	16.28	ng/ul#	98
67) Hexachlorobenzene	16.34	284	11542	8.40	ng/ul	96
69) Pentachlorophenol	16.70	266	9384	17.30	ng/ul	98
70) Phenanthrene	17.07	178	168401	24.71	ng/ul	99
72) Anthracene	17.17	178	72478	10.47	ng/ul	99
76) Di-n-butylphthalate	18.00	149	112651	13.45	ng/ul	99
77) Fluoranthene	19.10	202	144265	18.68	ng/ul	99
80) Pyrene	19.47	202	151723	23.54	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.16	149	93595	22.32	ng/ul	97
85) Chrysene	21.29	228	110415	18.09	ng/ul	99

Quantitation Report (LSC Reviewed)

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Data File : BM004427.D
Acq On : 26 Feb 2016 14:42
Operator : SJ/UM
Sample : H1564-27
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9R23

Quant Time: Feb 27 00:07:54 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM022216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 26 23:20:20 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.37	252	99558	16.73	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.71	276	123770	22.24	ng/ul	97
93) Dibenzo(a,h)anthracene	25.71	278	63963	13.93	ng/ul	97

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022616\
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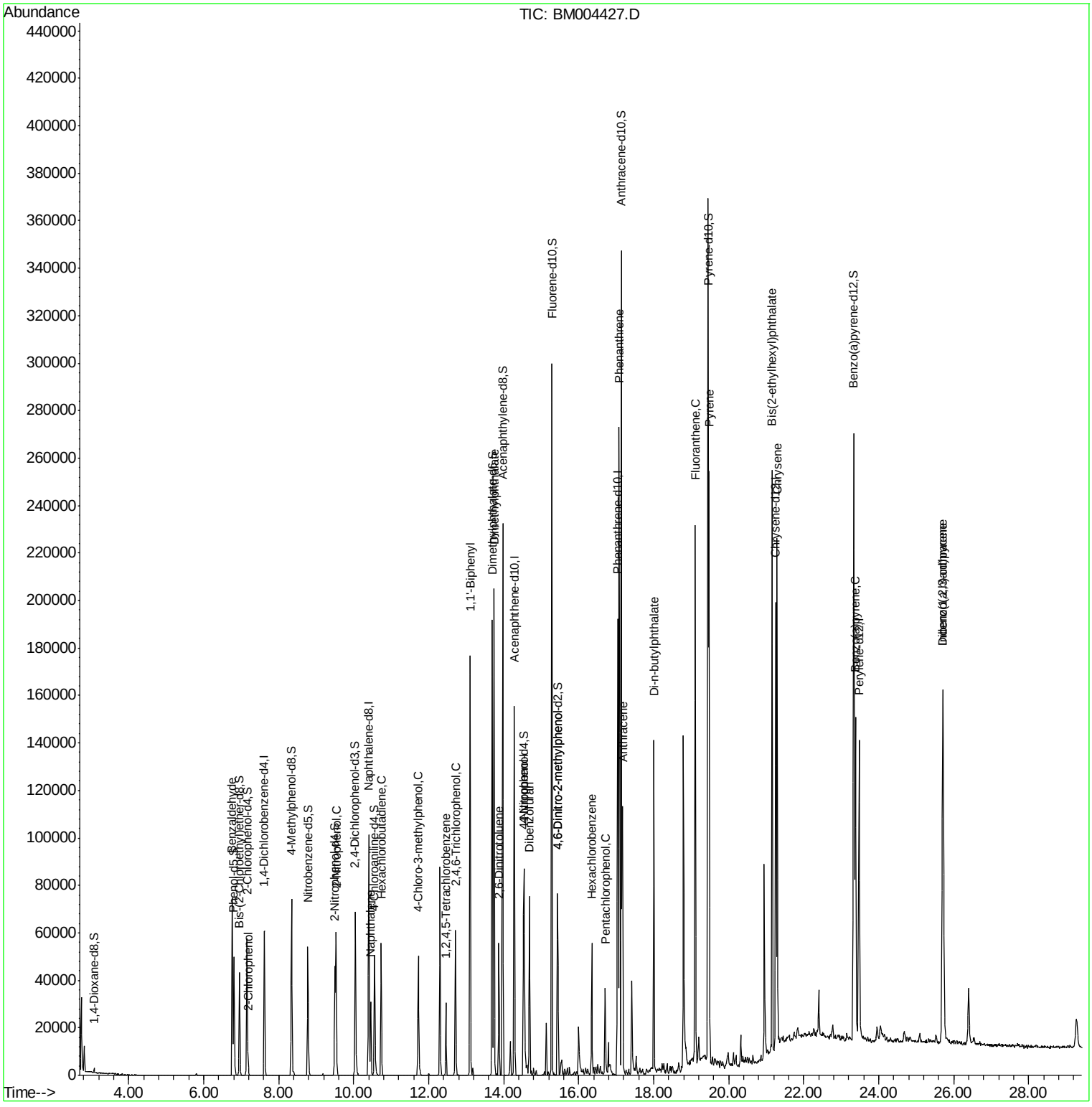
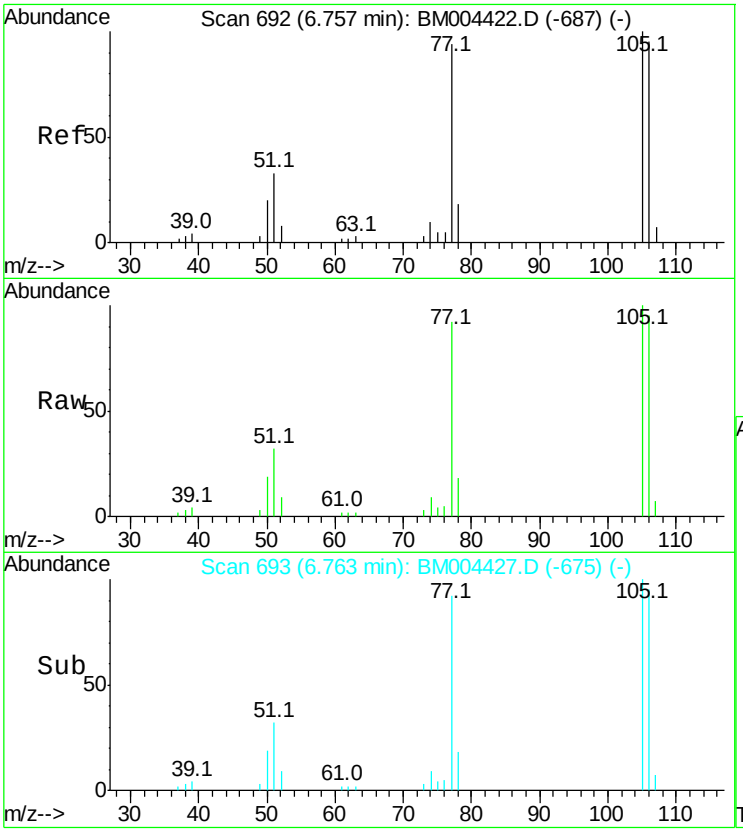


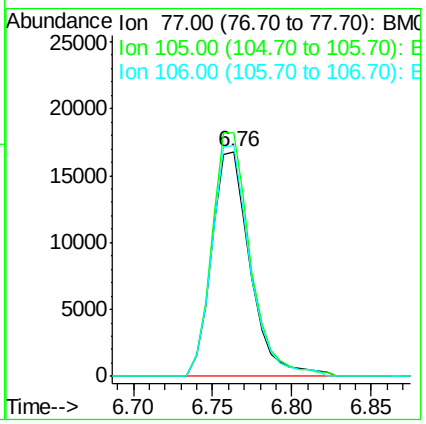


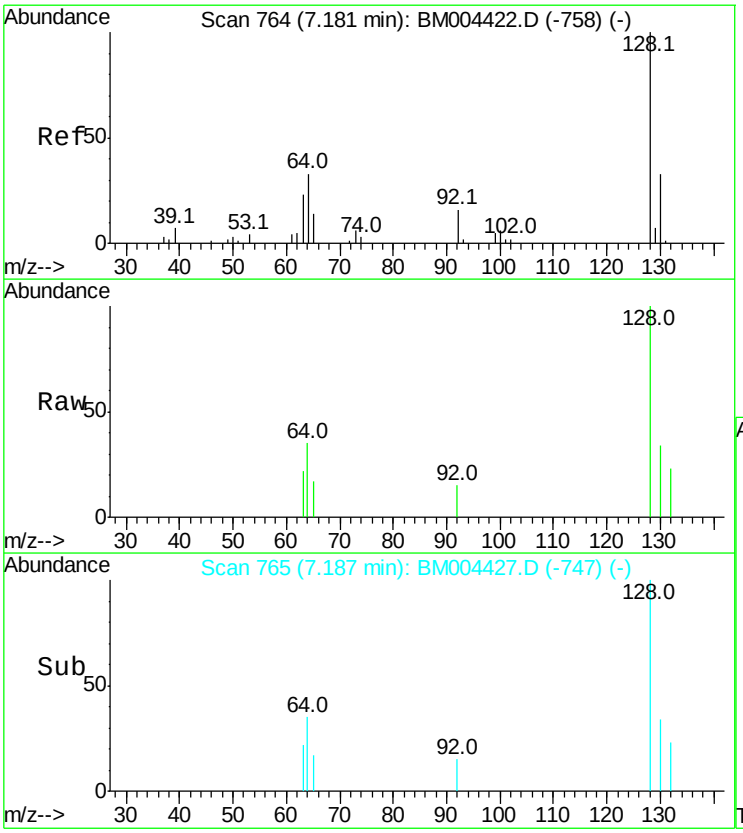
#4
Benzaldehyde
Concen: 32.06 ng/ul
RT: 6.76 min Scan# 693
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion: 77 Resp: 28222

Ion	Ratio	Lower	Upper
77	100		
105	108.2	80.6	120.8
106	102.6	77.7	116.5

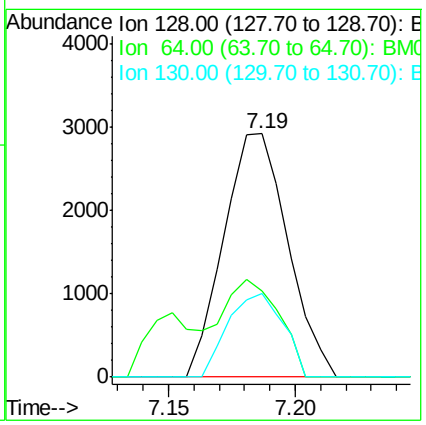


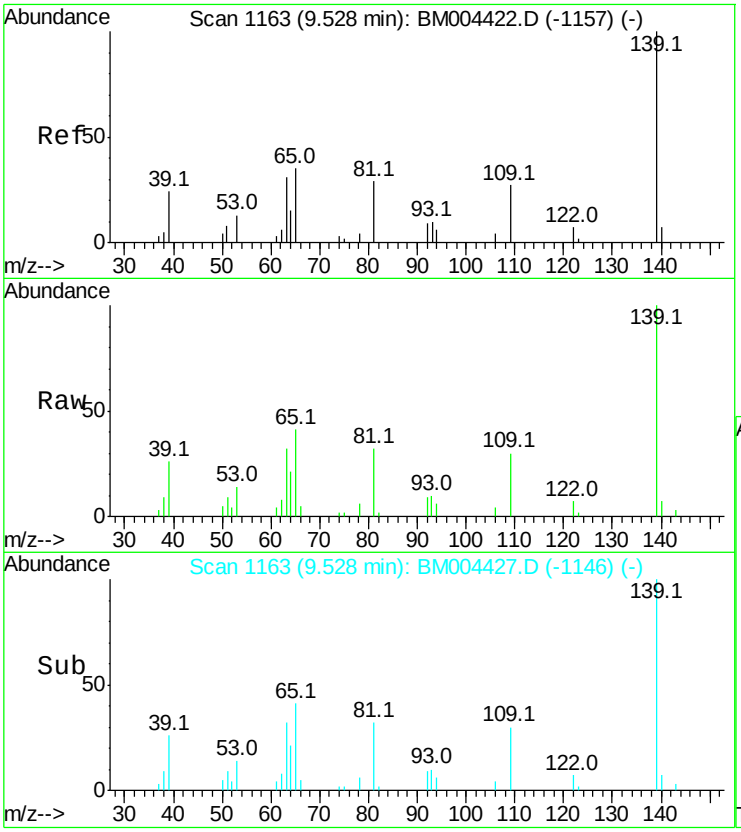


#10
2-Chlorophenol
Concen: 3.52 ng/ul
RT: 7.19 min Scan# 765
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:128 Resp: 5130

Ion	Ratio	Lower	Upper
128	100		
64	35.2	31.9	47.9
130	34.5	25.6	38.4



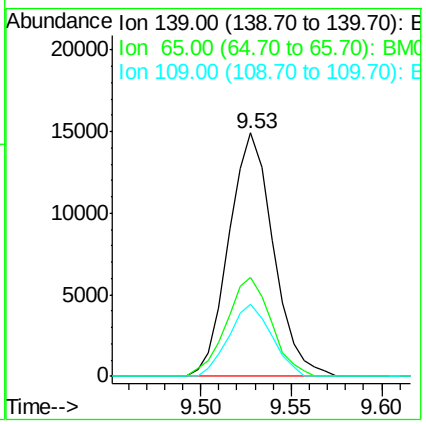


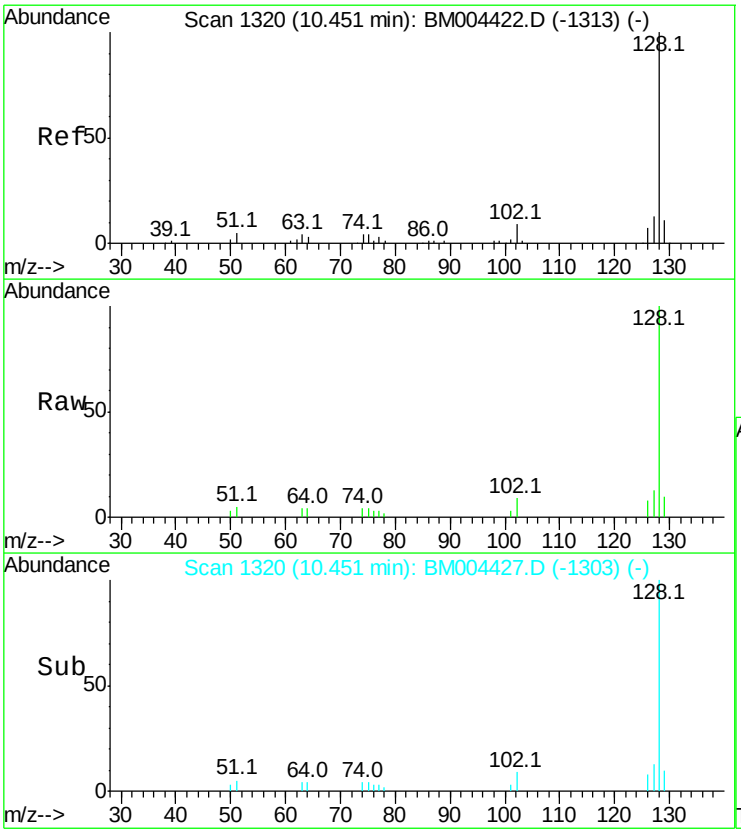
#23
2-Nitrophenol
Concen: 28.51 ng/ul
RT: 9.53 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:139 Resp: 25451

Ion	Ratio	Lower	Upper
139	100		
65	40.7	36.3	54.5
109	29.8	26.4	39.6

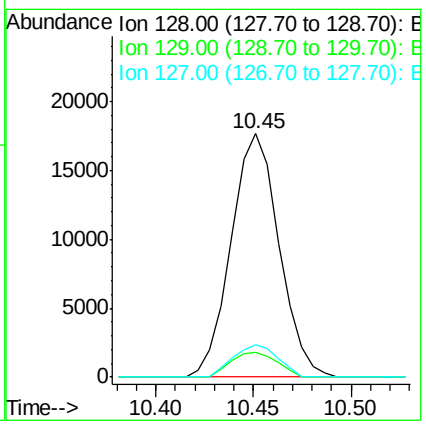


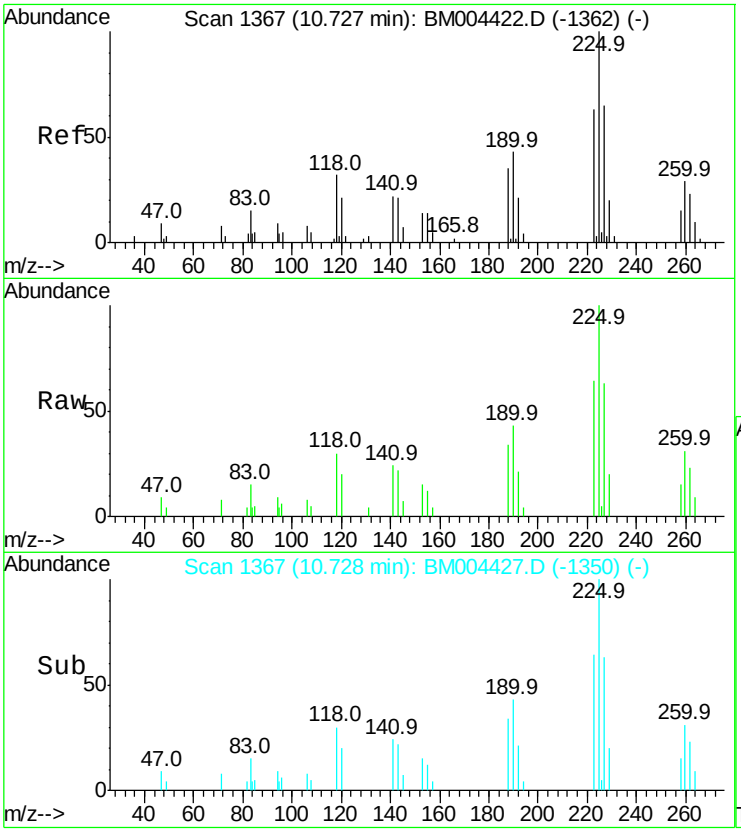


#28
Naphthalene
Concen: 5.89 ng/ul
RT: 10.45 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:128 Resp: 30064

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.3	10.5	15.7



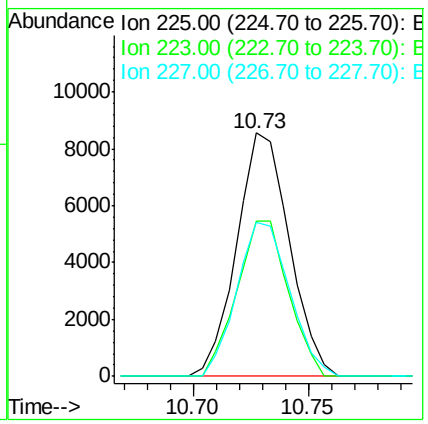


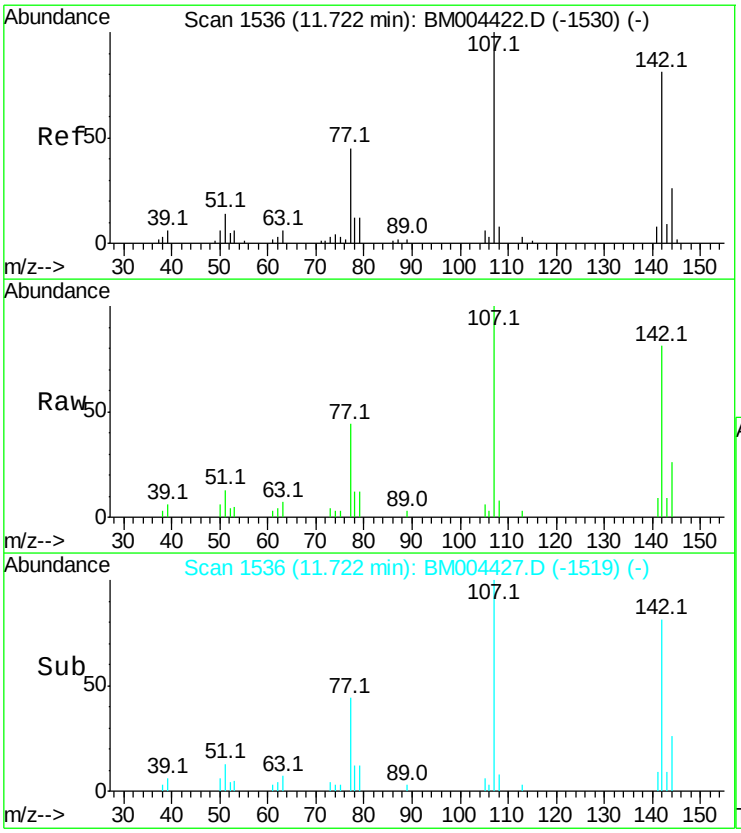
#31
Hexachlorobutadiene
Concen: 14.38 ng/ul
RT: 10.73 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:225 Resp: 13637

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.4	77.2
227	63.2	50.7	76.1

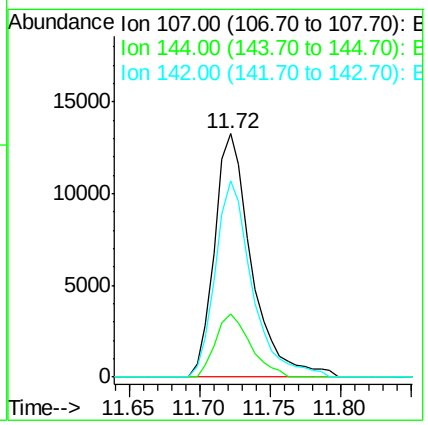


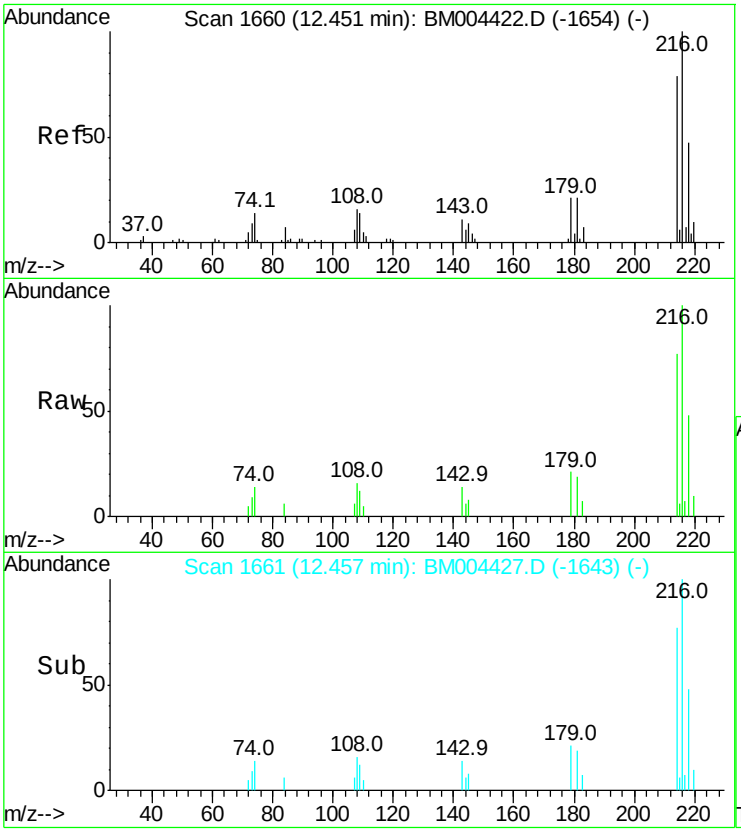


#33
4-Chloro-3-methylphenol
Concen: 13.73 ng/ul
RT: 11.72 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:107 Resp: 24295

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.4	30.6
142	80.5	62.5	93.7



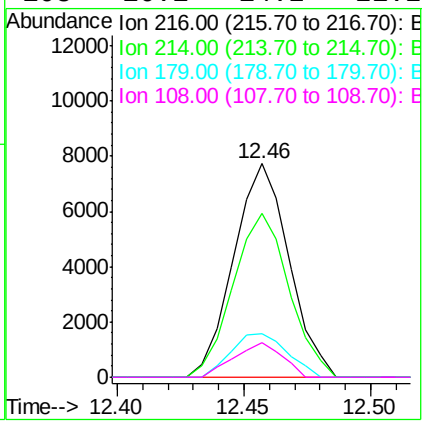


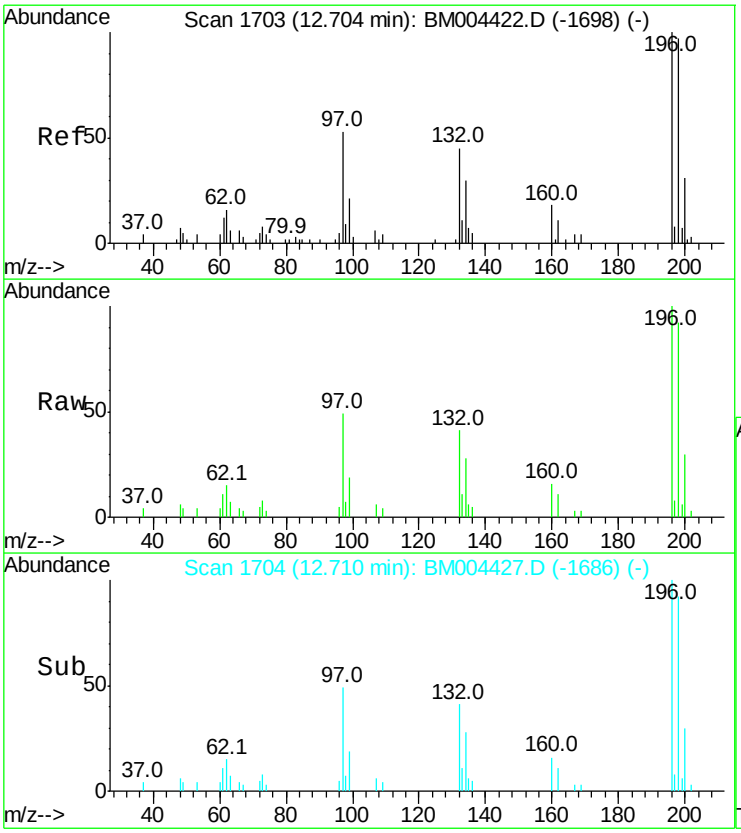
#37
1,2,4,5-Tetrachlorobenzene
Concen: 6.39 ng/ul
RT: 12.46 min Scan# 1661
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:216 Resp: 11749

Ion	Ratio	Lower	Upper
216	100		
214	76.7	62.5	93.7
179	20.5	18.2	27.2
108	16.1	14.2	21.2

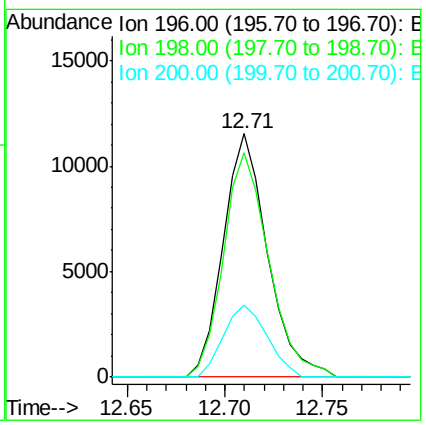


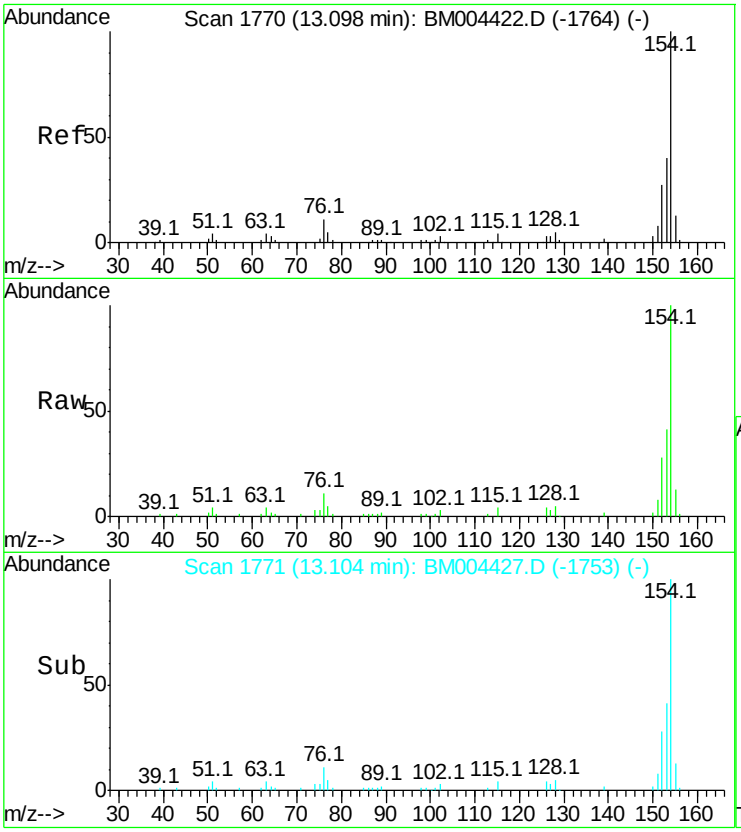


#39
2,4,6-Trichlorophenol
Concen: 15.18 ng/ul
RT: 12.71 min Scan# 1704
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:196 Resp: 18152

Ion	Ratio	Lower	Upper
196	100		
198	92.1	76.6	114.8
200	29.7	24.7	37.1



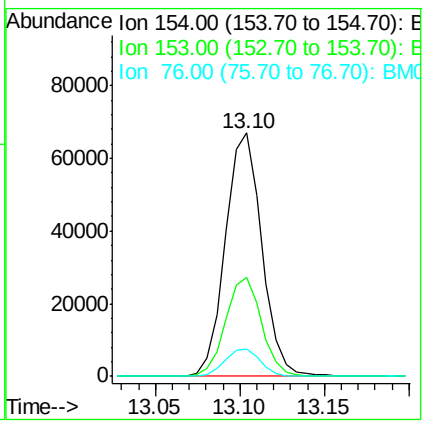


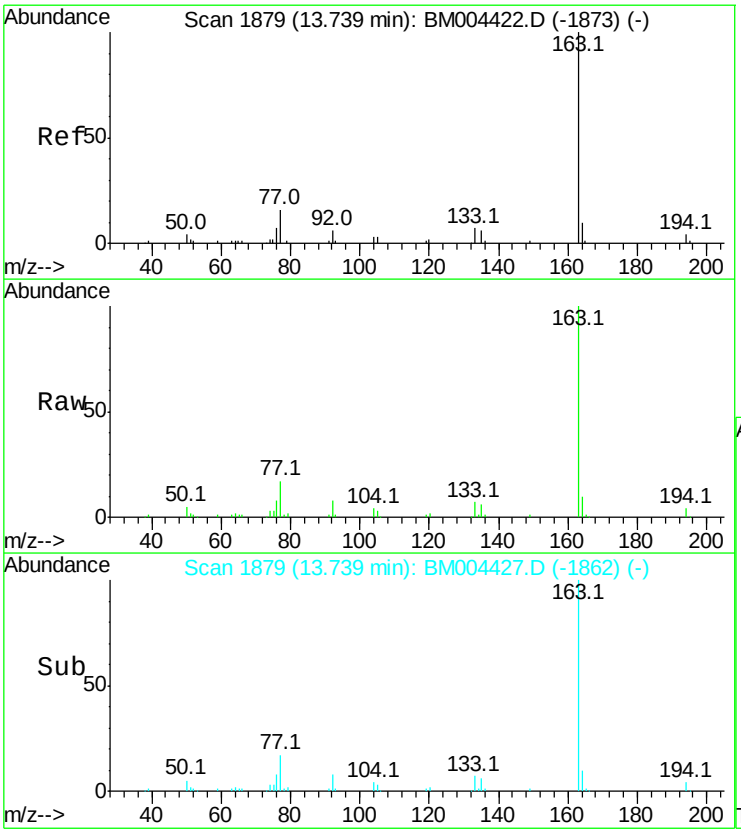
#41
1,1'-Biphenyl
Concen: 21.07 ng/ul
RT: 13.10 min Scan# 1771
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:154 Resp: 100122

Ion	Ratio	Lower	Upper
154	100		
153	40.7	32.1	48.1
76	11.0	9.5	14.3

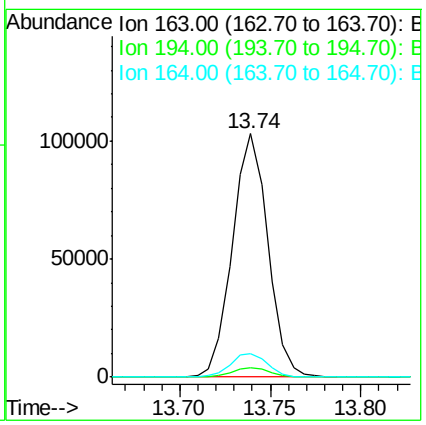


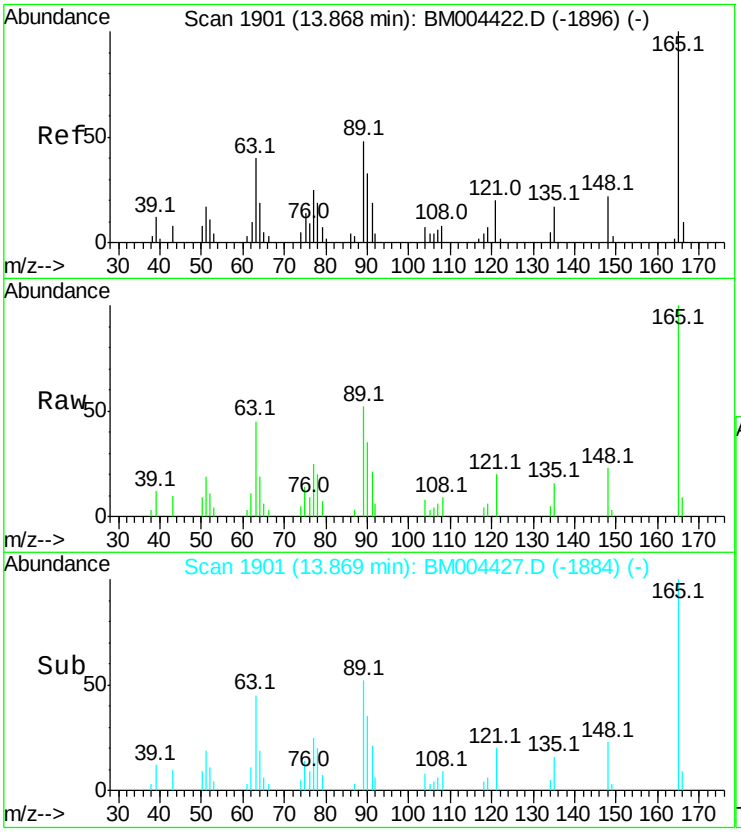


#45
Dimethylphthalate
Concen: 28.38 ng/ul
RT: 13.74 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:163 Resp: 140411

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	9.9	7.8	11.8



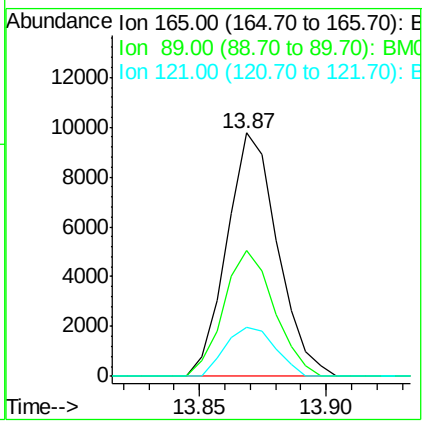


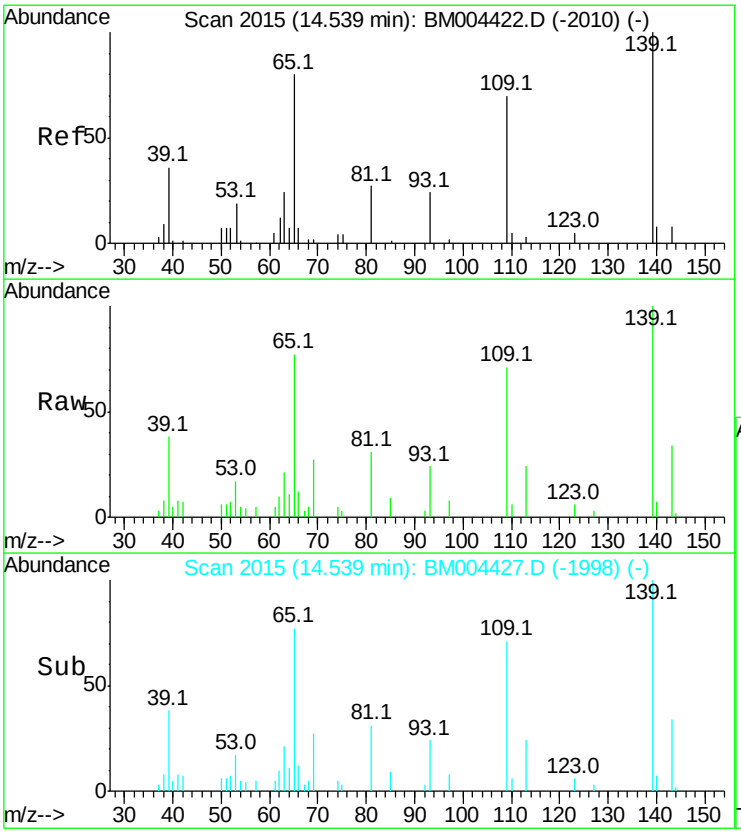
#46
2,6-Dinitrotoluene
Concen: 13.73 ng/ul
RT: 13.87 min Scan# 1901
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:165 Resp: 13621

Ion	Ratio	Lower	Upper
165	100		
89	51.7	42.4	63.6
121	20.3	16.6	24.8

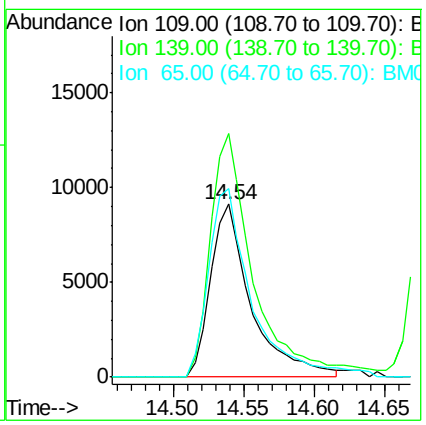


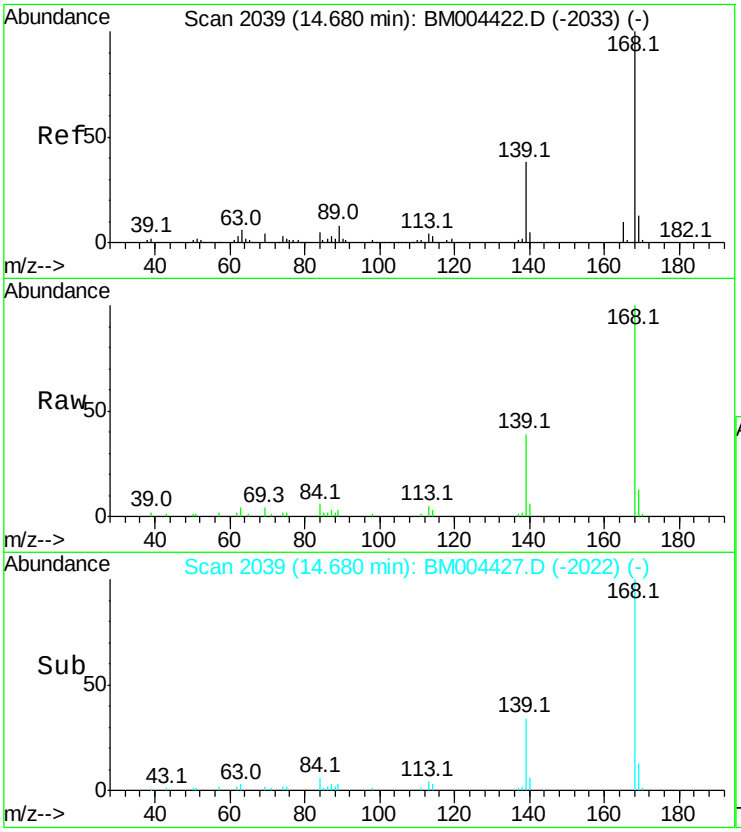


#53
4-Nitrophenol
Concen: 32.22 ng/ul
RT: 14.54 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:109 Resp: 18368

Ion	Ratio	Lower	Upper
109	100		
139	141.0	103.7	155.5
65	109.1	89.4	134.2



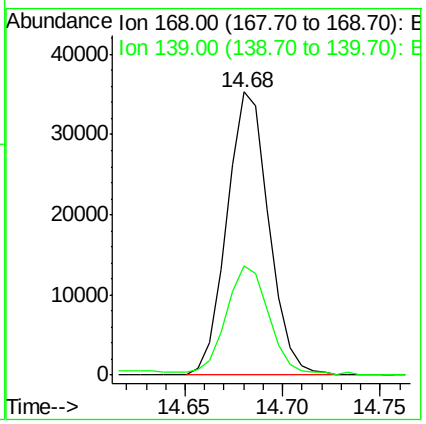


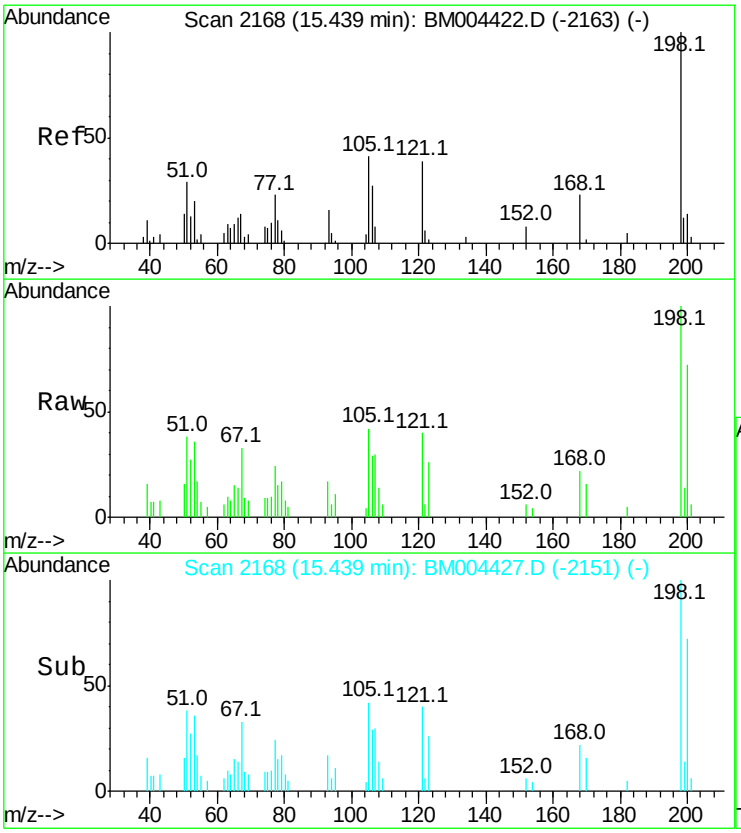
#54
Dibenzofuran
Concen: 9.13 ng/ul
RT: 14.68 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:168 Resp: 52597

Ion	Ratio	Lower	Upper
168	100		
139	38.5	32.2	48.2

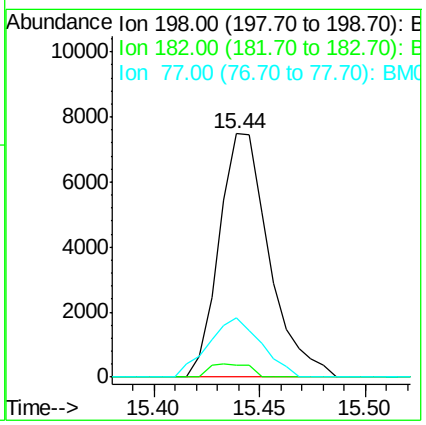


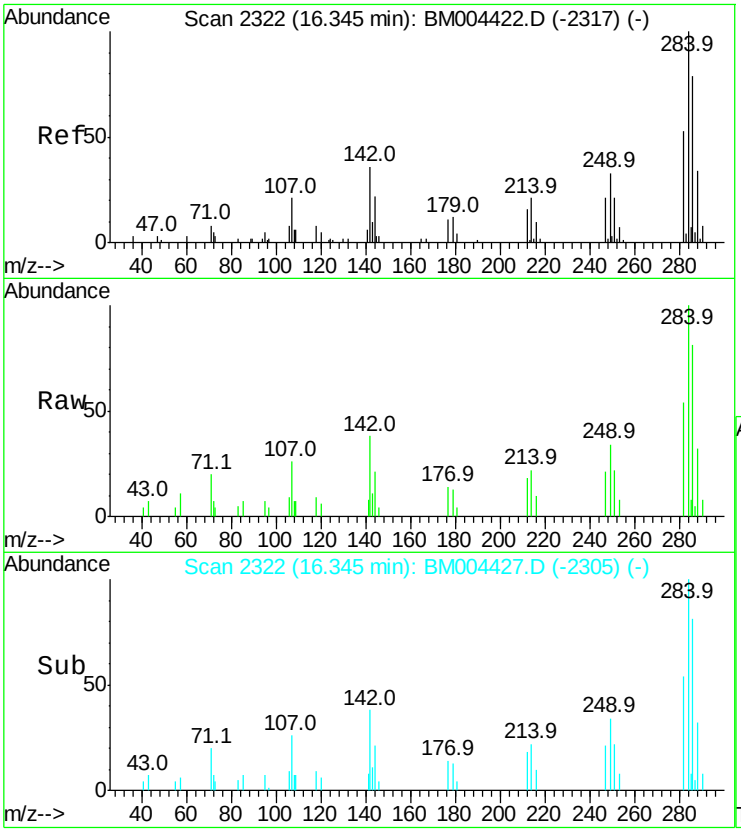


#64
4,6-Dinitro-2-methylphenol
Concen: 16.28 ng/ul
RT: 15.44 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:198 Resp: 12229

Ion	Ratio	Lower	Upper
198	100		
182	4.9	3.1	4.7#
77	24.4	20.1	30.1



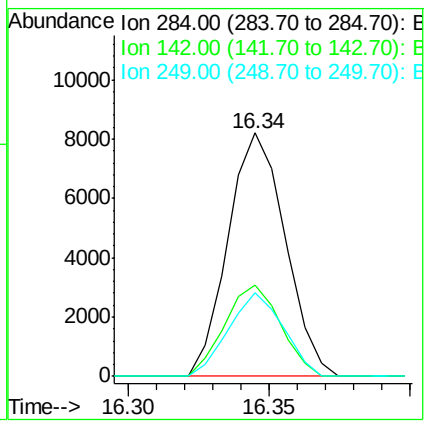


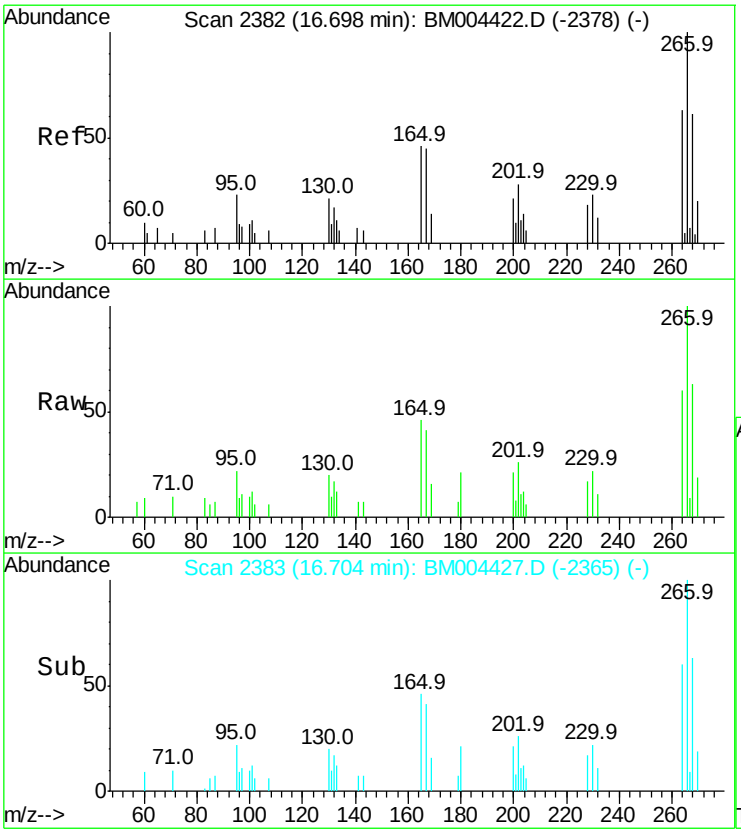
#67
Hexachlorobenzene
Concen: 8.40 ng/ul
RT: 16.34 min Scan# 2322
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:284 Resp: 11542

Ion	Ratio	Lower	Upper
284	100		
142	37.5	33.1	49.7
249	34.4	27.1	40.7

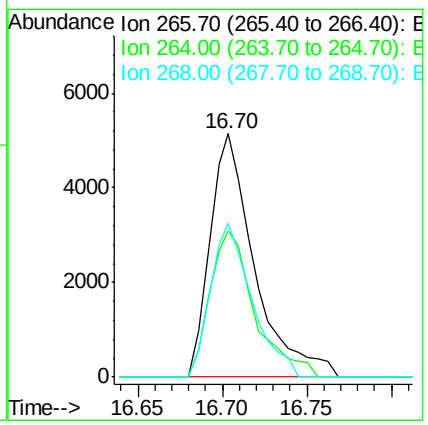


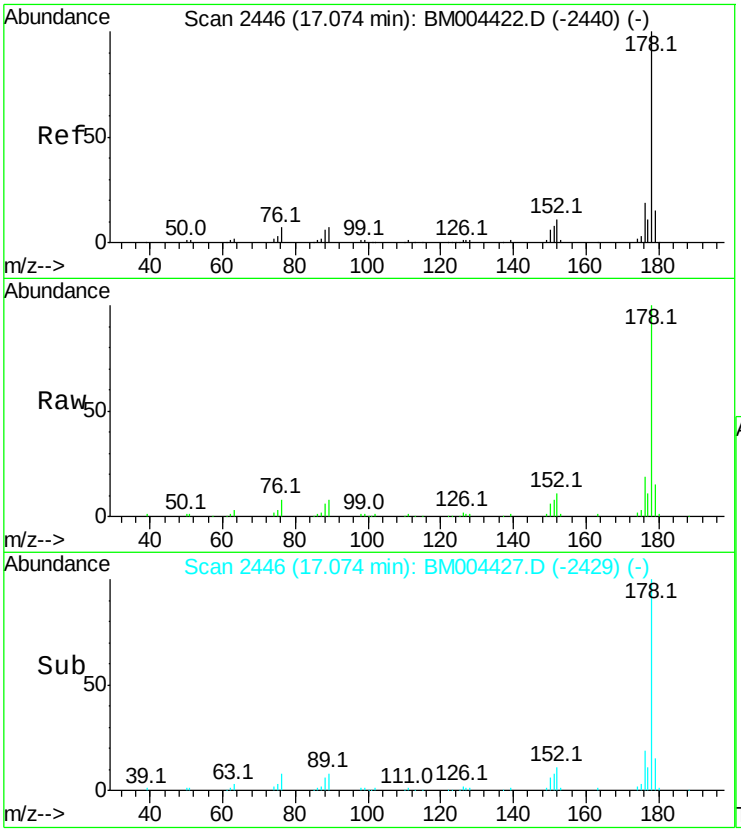


#69
Pentachlorophenol
Concen: 17.30 ng/ul
RT: 16.70 min Scan# 2383
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:266 Resp: 9384

Ion	Ratio	Lower	Upper
266	100		
264	60.0	50.5	75.7
268	63.2	50.9	76.3



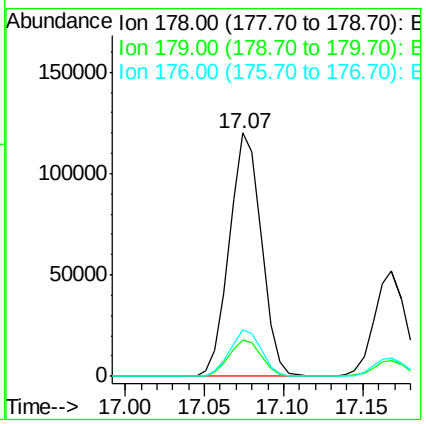


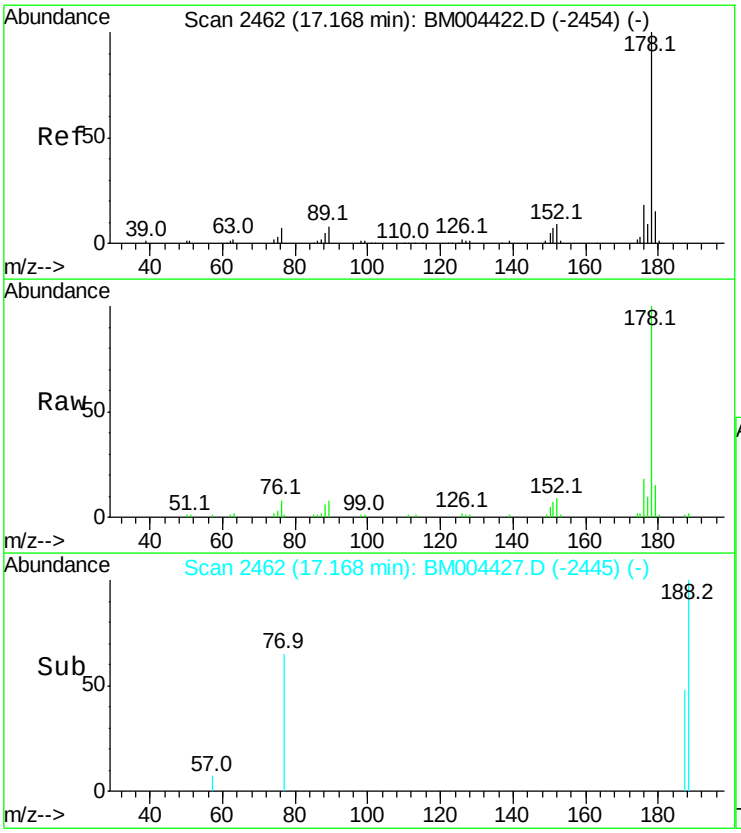
#70
Phenanthrene
Concen: 24.71 ng/ul
RT: 17.07 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:178 Resp: 168401

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	19.1	15.6	23.4

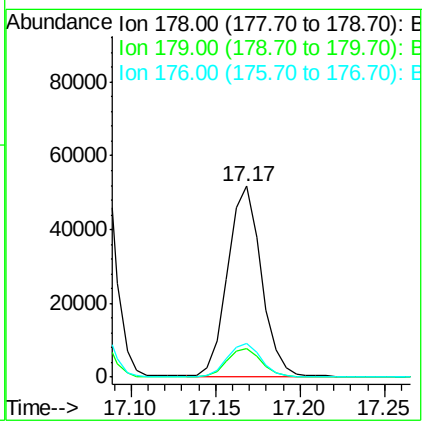


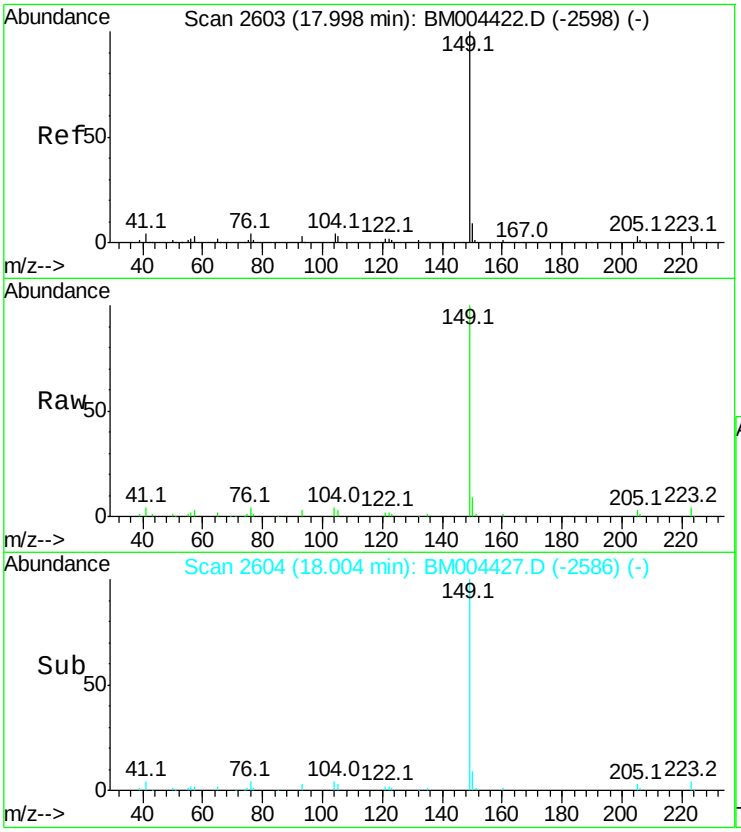


#72
Anthracene
Concen: 10.47 ng/ul
RT: 17.17 min Scan# 2462
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:178 Resp: 72478

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1
176	17.9	14.8	22.2



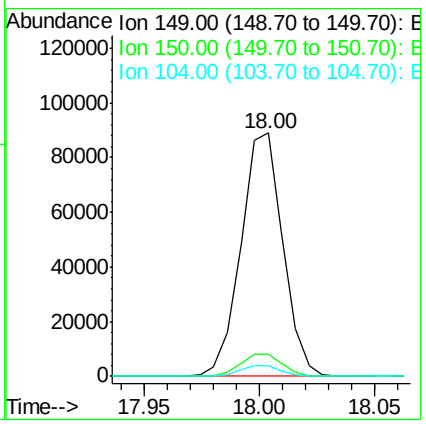


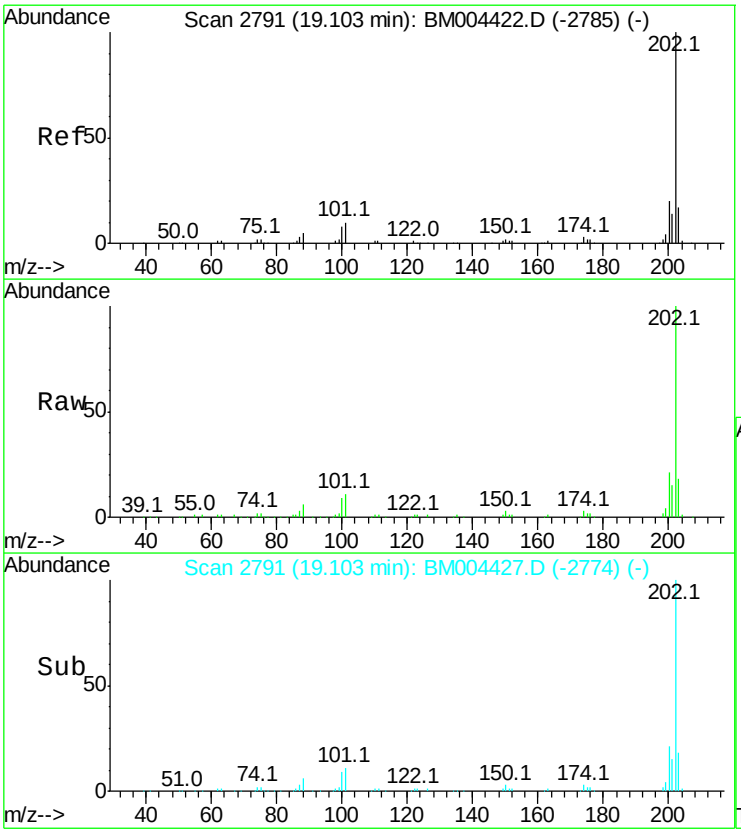
#76
Di-n-butylphthalate
Concen: 13.45 ng/ul
RT: 18.00 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:149 Resp: 112651

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.2	4.0	6.0

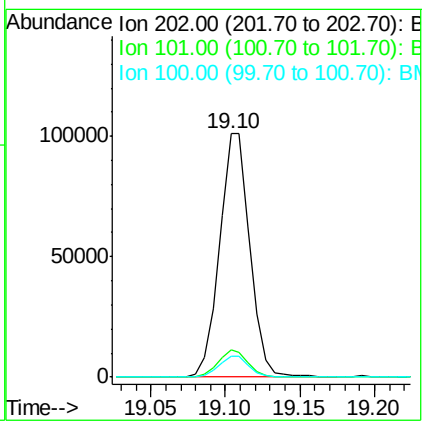


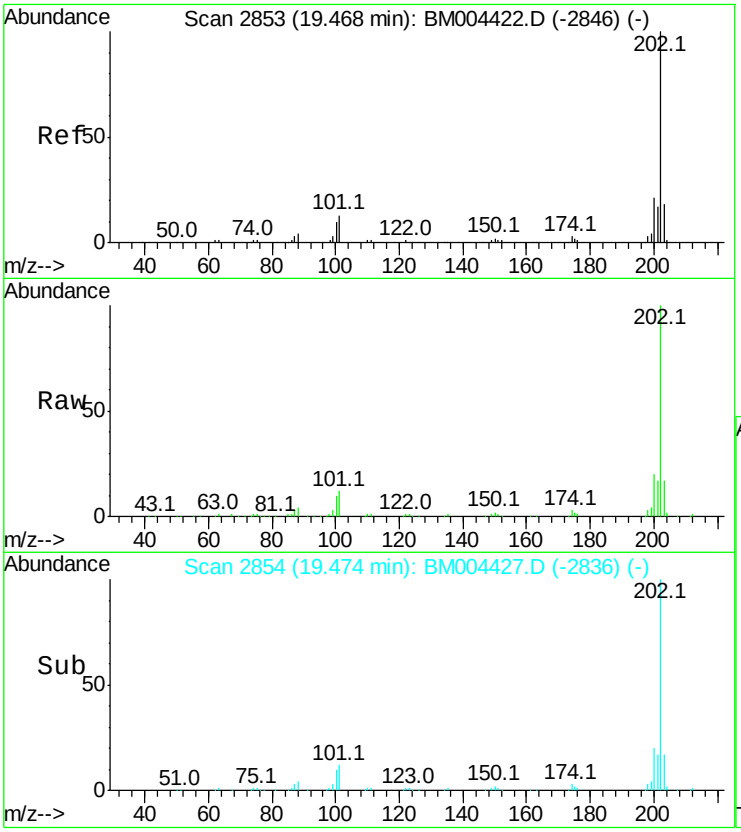


#77
Fluoranthene
Concen: 18.68 ng/ul
RT: 19.10 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:202 Resp: 144265

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.8	13.2
100	8.6	6.6	9.8



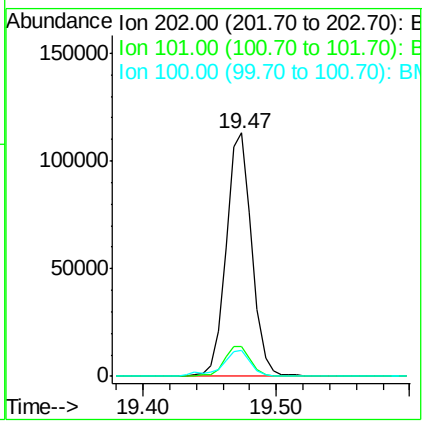


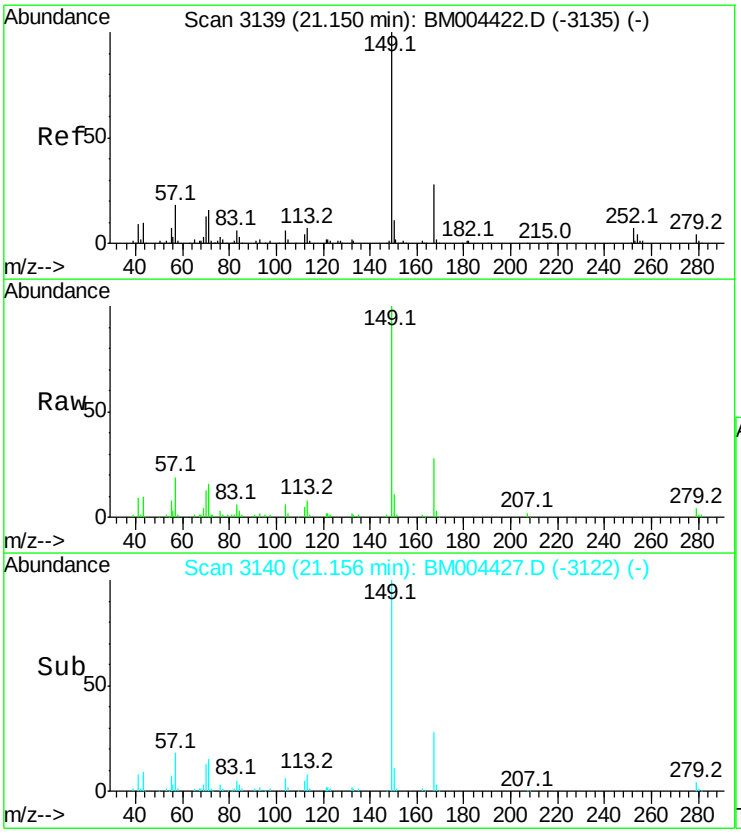
#80
Pyrene
Concen: 23.54 ng/ul
RT: 19.47 min Scan# 2854
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:202 Resp: 151723

Ion	Ratio	Lower	Upper
202	100		
101	12.1	10.2	15.2
100	10.4	8.5	12.7

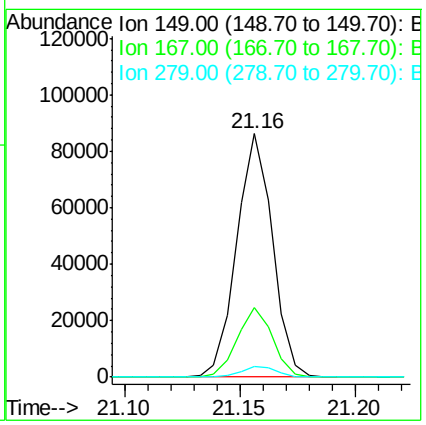


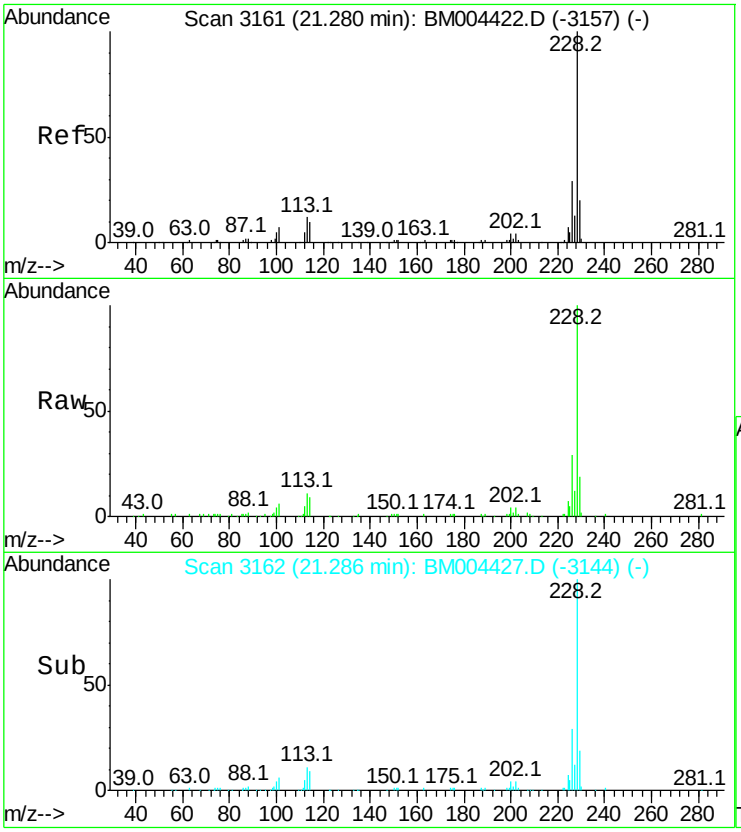


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.32 ng/ul
RT: 21.16 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:149 Resp: 93595

Ion	Ratio	Lower	Upper
149	100		
167	28.5	21.6	32.4
279	4.3	3.0	4.4



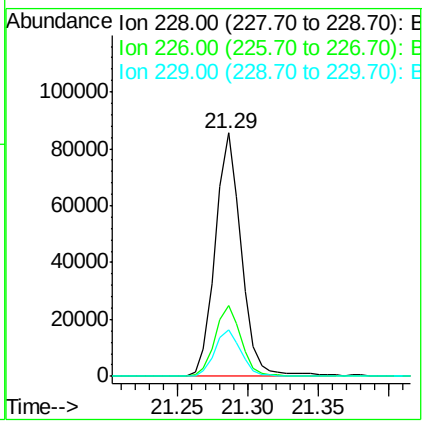


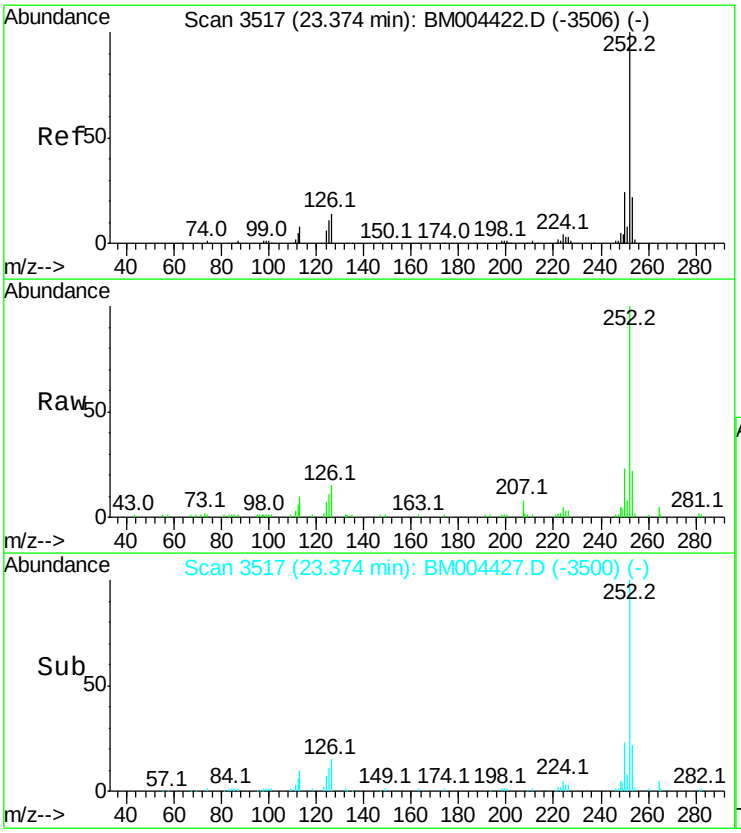
#85
Chrysene
Concen: 18.09 ng/ul
RT: 21.29 min Scan# 3162
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:228 Resp: 110415

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	19.3	15.6	23.4

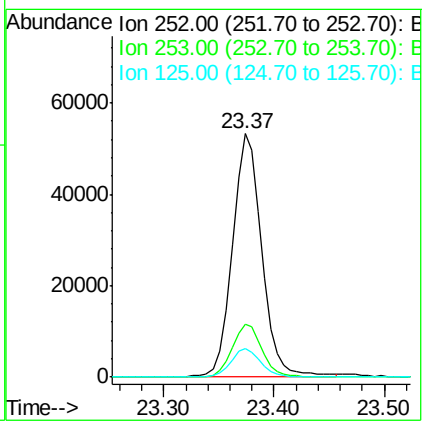


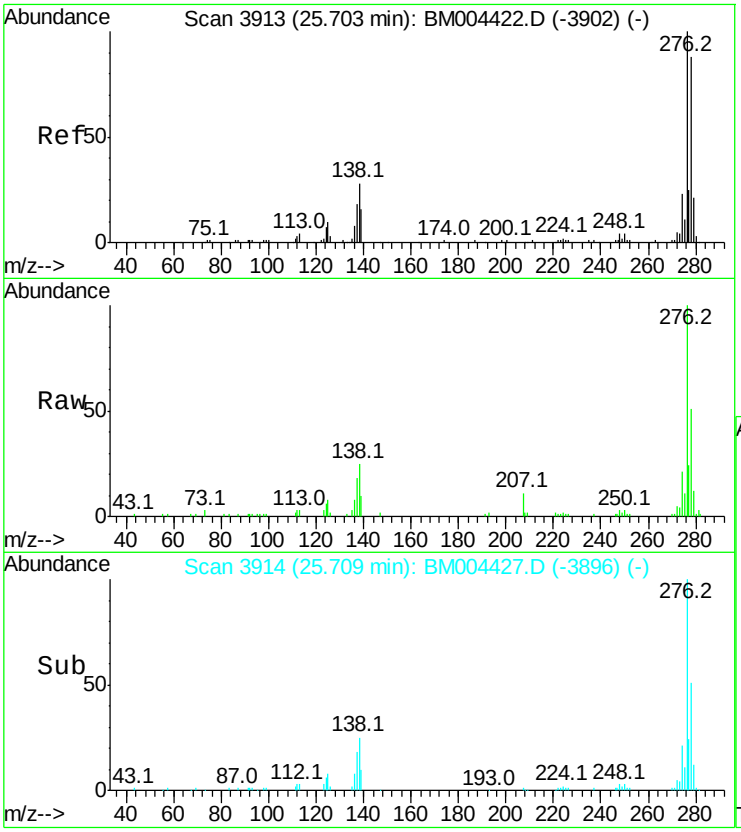


#91
Benzo(a)pyrene
Concen: 16.73 ng/ul
RT: 23.37 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:252 Resp: 99558

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	11.5	9.0	13.6



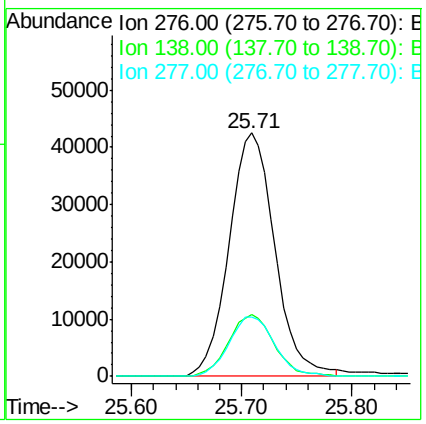


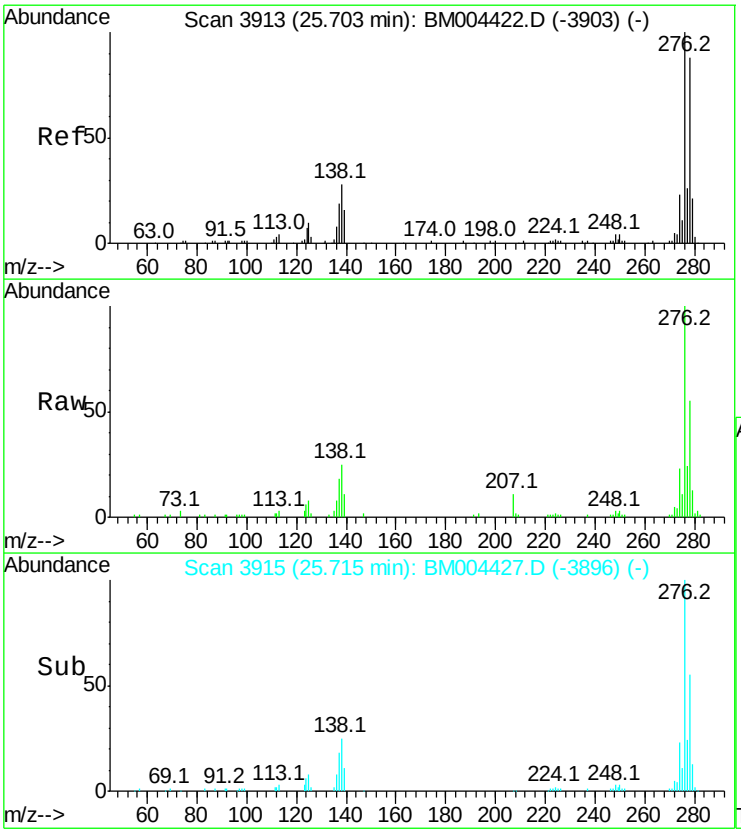
#92
Indeno(1,2,3-cd)pyrene
Concen: 22.24 ng/ul
RT: 25.71 min Scan# 3914
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Instrument :
BNA_M
ClientSampleId :
D9R23

Tgt Ion:276 Resp: 123770

Ion	Ratio	Lower	Upper
276	100		
138	25.4	22.3	33.5
277	24.3	20.2	30.2





#93
Dibenzo(a,h)anthracene
Concen: 13.93 ng/ul
RT: 25.71 min Scan# 3915
Delta R.T. 0.01 min
Lab File: BM004427.D
Acq: 26 Feb 2016 14:42

Tgt Ion:278 Resp: 63963

Ion	Ratio	Lower	Upper
278	100		
139	19.3	13.9	20.9
279	23.1	19.0	28.4