Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013016\
Data File : BM004150.D
Acq On : 29 Jan 2016 17:25
Operator : SJ/IZ
Sample : PB88052BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB88052BSD

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Quant Time: Jan 29 22:56:39 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM012216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 22 14:46:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	18643	5.00	ng		0.00
7) Naphthalene-d8	10.44	136	84045	5.00	ng		0.00
13) Acenaphthene-d10	14.30	164	47933	5.00	ng		0.00
19) Phenanthrene-d10	17.06	188	146497	5.00	ng		0.00
26) Chrysene-d12	21.28	240	160533	5.00	ng		0.00
35) Perylene-d12	23.51	264	135923	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	27355	7.03	ng		-0.02
5) Phenol-d6	6.83	99	36663	7.81	ng		-0.02
8) Nitrobenzene-d5	8.83	82	16330	4.44	ng		0.00
14) 2,4,6-Tribromophenol	15.81	330	12930	6.91	ng		0.00
15) 2-Fluorobiphenyl	12.93	172	62265	4.24	ng		0.00
29) Terphenyl-d14	19.71	244	75685	3.71	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.15	88	6143	3.63	ng		97
3) n-Nitrosodimethylamine	3.48	42	6617	3.98	ng		95
6) bis(2-Chloroethyl)ether	7.09	93	16755	3.85	ng		99
9) Nitrobenzene	8.86	77	17320	3.38	ng		99
10) Naphthalene	10.49	128	69973	3.57	ng		97
11) Hexachlorobutadiene	10.79	225	10346	3.43	ng		99
12) 2-Methylnaphthalene	12.12	142	50777	3.97	ng		98
16) Acenaphthylene	14.01	152	85679	4.14	ng		100
17) Acenaphthene	14.37	154	57841	3.69	ng		94
18) Fluorene	15.37	166	76256	4.00	ng		100
20) 4-Bromophenyl-phenylether	16.24	248	15797	3.31	ng	#	9
21) Hexachlorobenzene	16.39	284	16895	3.37	ng	#	47
22) Pentachlorophenol	16.73	266	13781	6.71	ng	#	83
23) Phenanthrene	17.11	178	107689	3.78	ng	#	76
24) Anthracene	17.19	178	130503	3.90	ng		98
25) Fluoranthene	19.14	202	146111	3.68	ng		100
27) Benzidine	19.33	184	94410	6.80	ng		97
28) Pyrene	19.50	202	167317	3.76	ng		100
30) Benzo(a)anthracene	21.25	228	176035m	3.74	ng		
31) 3,3'-Dichlorobenzidine	21.19	252	47052	3.89	ng	#	81
32) Chrysene	21.32	228	143216m	3.53	ng		
33) Bis(2-ethylhexyl)phthalate	21.17	149	68591	3.46	ng	#	98
34) Indeno(1,2,3-cd)pyrene	25.76	276	163338	3.39	ng		99
36) Benzo(b)fluoranthene	22.84	252	160101	3.80	ng		96
37) Benzo(k)fluoranthene	22.88	252	160082	4.19	ng		96
38) Benzo(a)pyrene	23.41	252	150049	4.04	ng		97
39) Dibenzo(a,h)anthracene	25.78	278	130729	3.92	ng		98
40) Benzo(g,h,i)perylene	26.45	276	138987	3.82	ng		99

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

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Misc :
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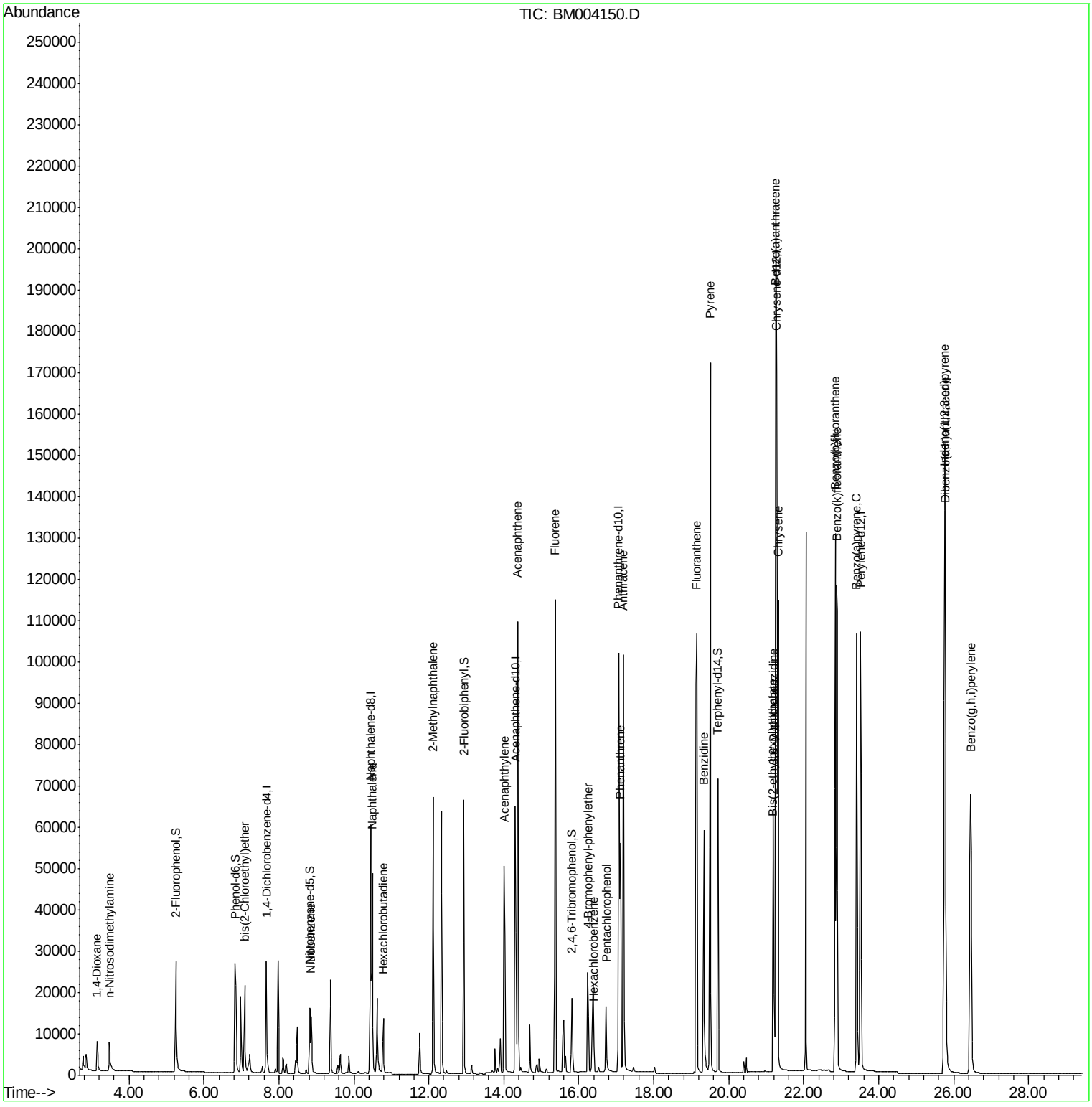
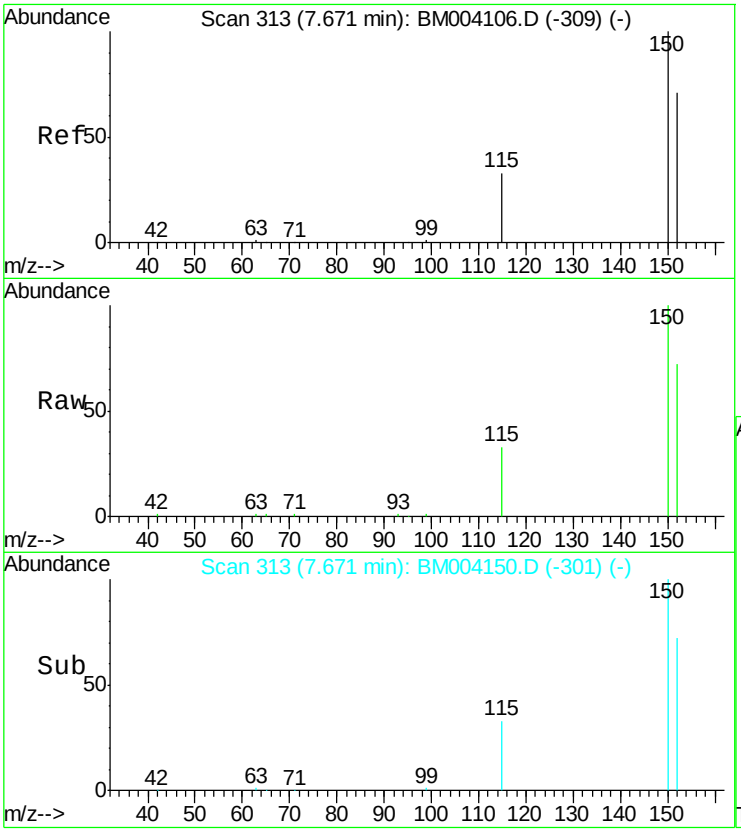
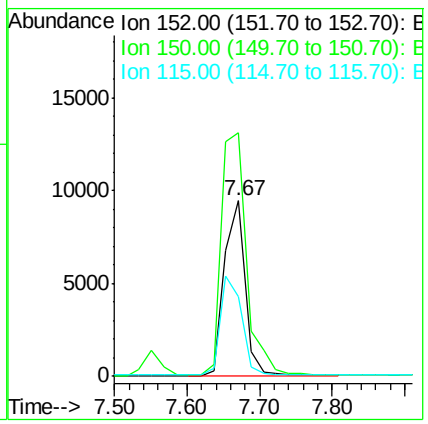




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:152 Resp: 18643

Ion	Ratio	Lower	Upper
152	100		
150	138.6	122.9	184.3
115	45.6	44.4	66.6



Instrument :
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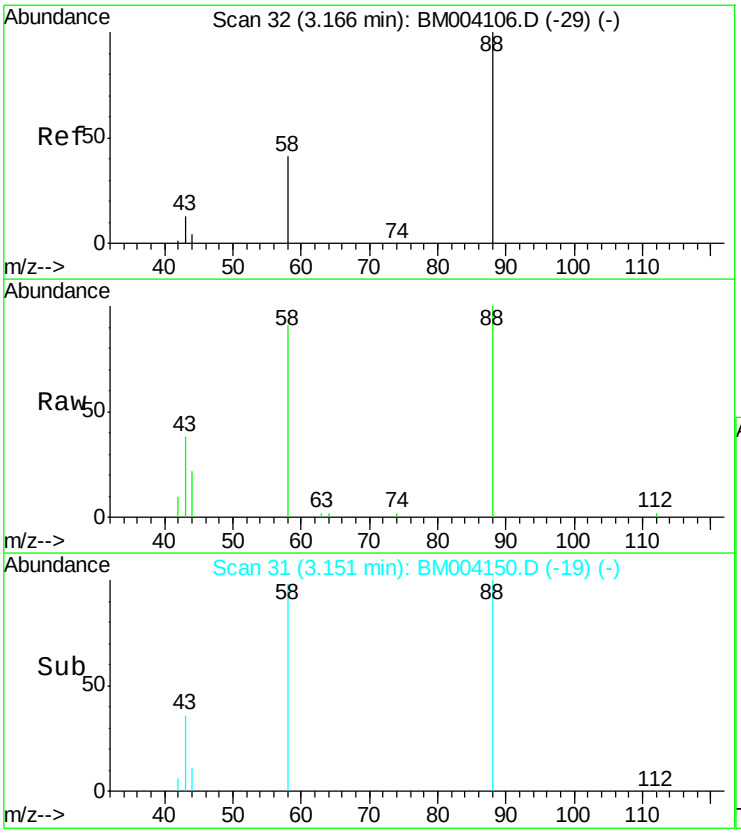
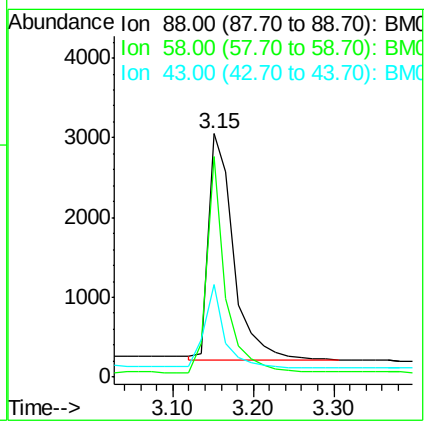
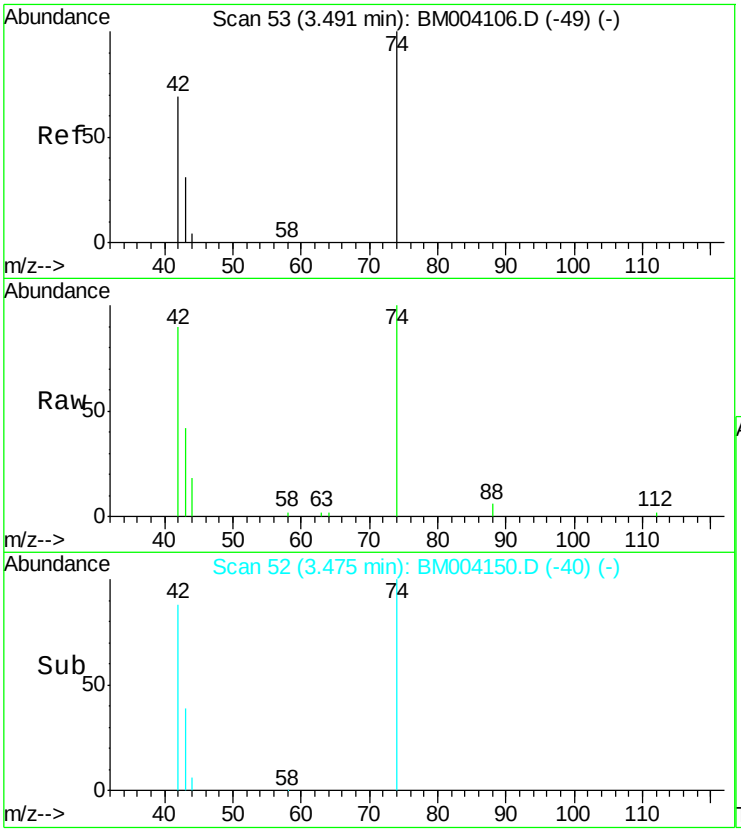


#2
1,4-Dioxane
Concen: 3.63 ng
RT: 3.15 min Scan# 31
Delta R.T. -0.02 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion: 88 Resp: 6143

Ion	Ratio	Lower	Upper
88	100		
58	70.8	53.8	80.6
43	29.6	23.8	35.6

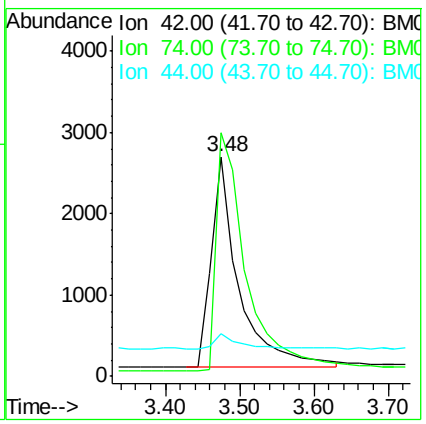




#3
n-Nitrosodimethylamine
Concen: 3.98 ng
RT: 3.48 min Scan# 52
Delta R.T. -0.02 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion: 42 Resp: 6617

Ion	Ratio	Lower	Upper
42	100		
74	124.8	95.0	142.4
44	6.6	5.1	7.7



Instrument :
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ClientSampleId :
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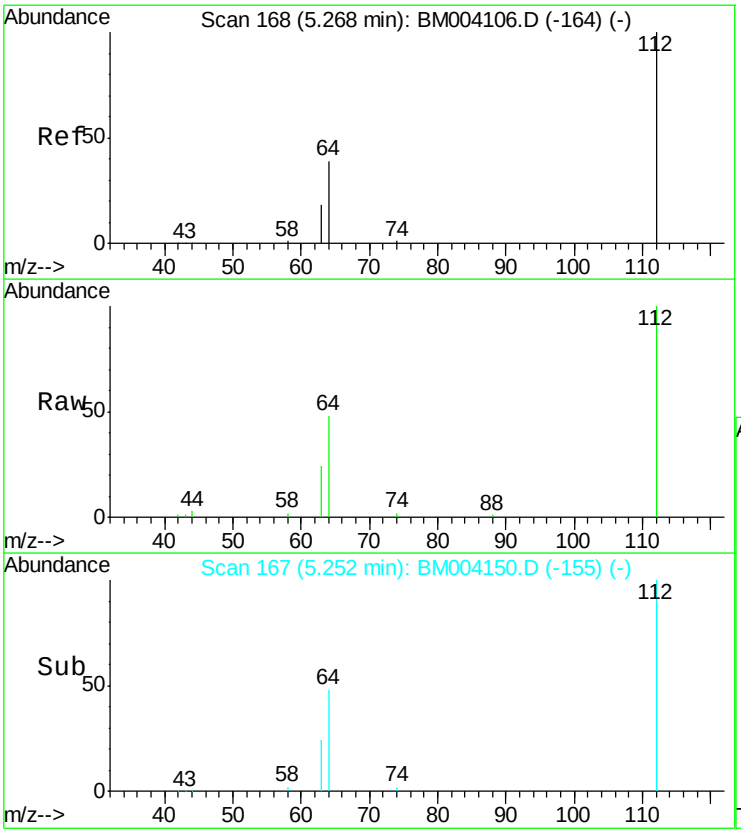
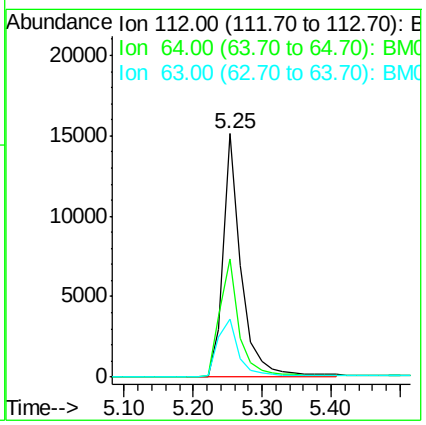
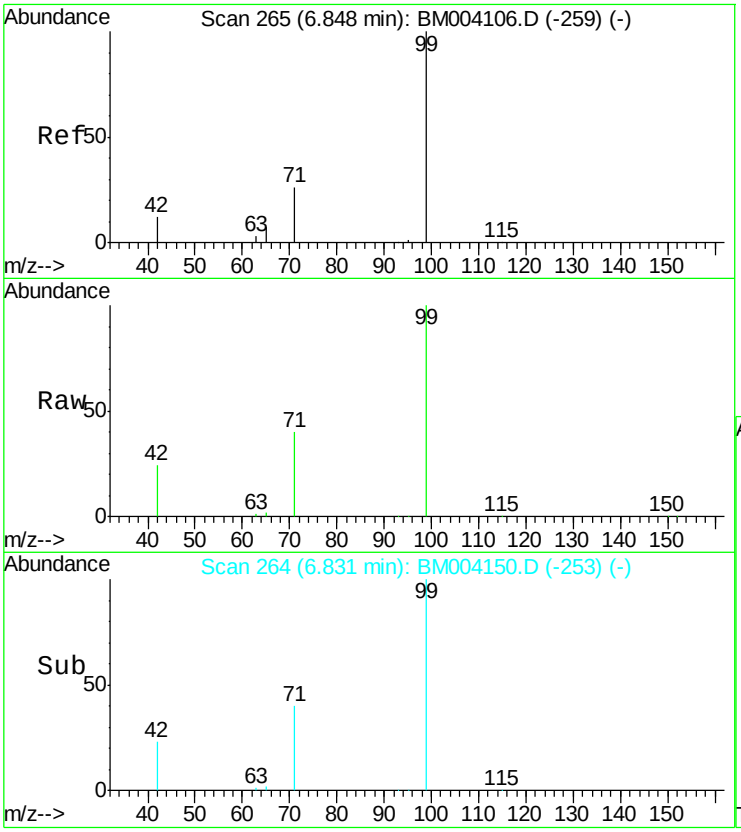


#4
2-Fluorophenol
Concen: 7.03 ng
RT: 5.25 min Scan# 167
Delta R.T. -0.02 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:112 Resp: 27355

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.8	62.8
63	27.5	22.1	33.1

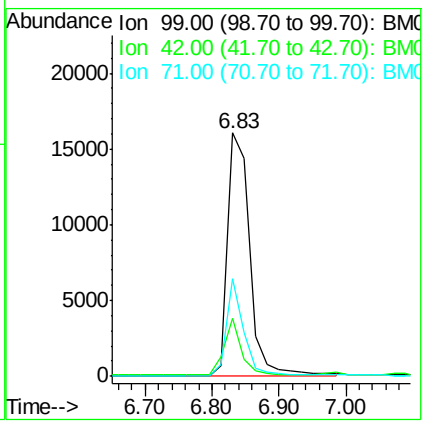




#5
Phenol-d6
Concen: 7.81 ng
RT: 6.83 min Scan# 264
Delta R.T. -0.02 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion: 99 Resp: 36663

Ion	Ratio	Lower	Upper
99	100		
42	18.5	16.2	24.2
71	31.1	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
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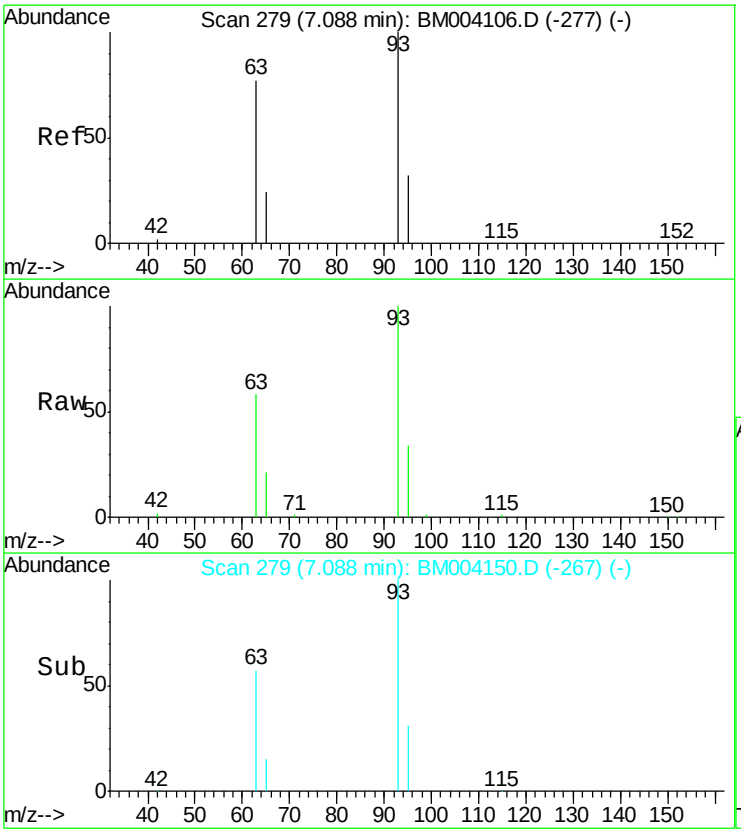
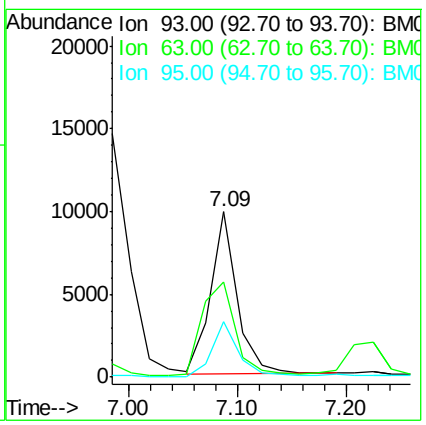
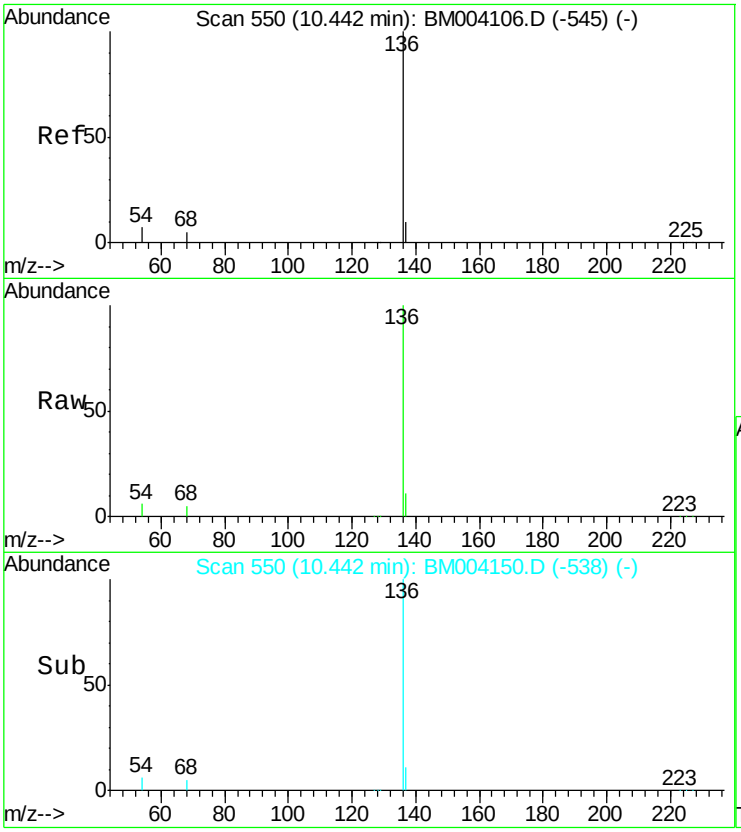


#6
bis(2-Chloroethyl)ether
Concen: 3.85 ng
RT: 7.09 min Scan# 279
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion: 93 Resp: 16755

Ion	Ratio	Lower	Upper
93	100		
63	73.2	58.3	87.5
95	33.2	25.8	38.8

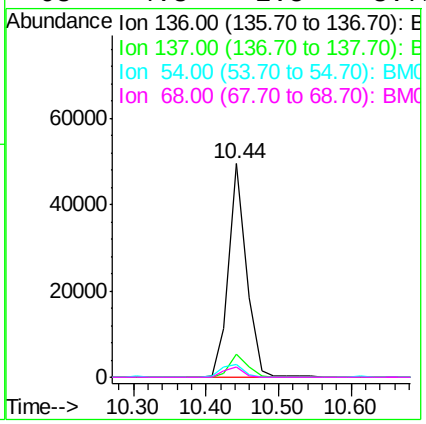




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.44 min Scan# 550
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:136 Resp: 84045

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.3	2.8	4.2#
68	4.8	2.5	3.7#



Instrument :
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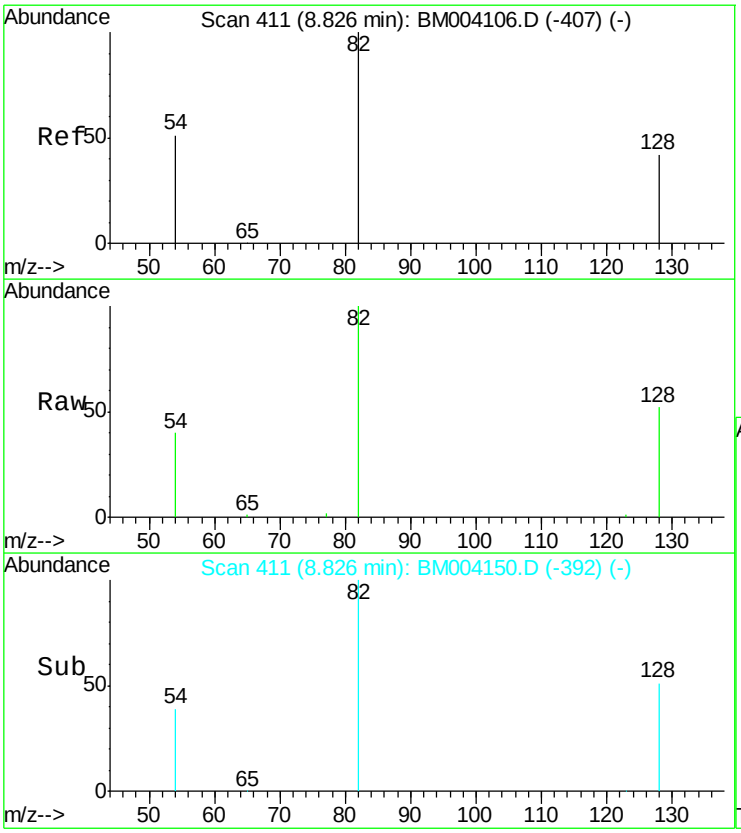
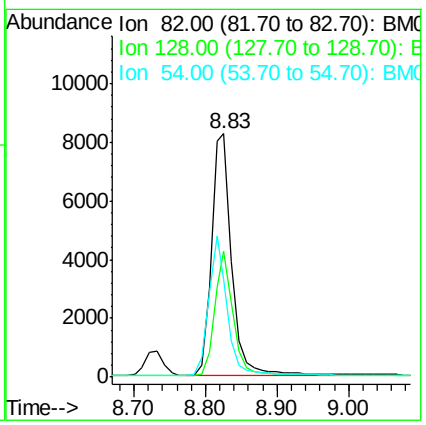
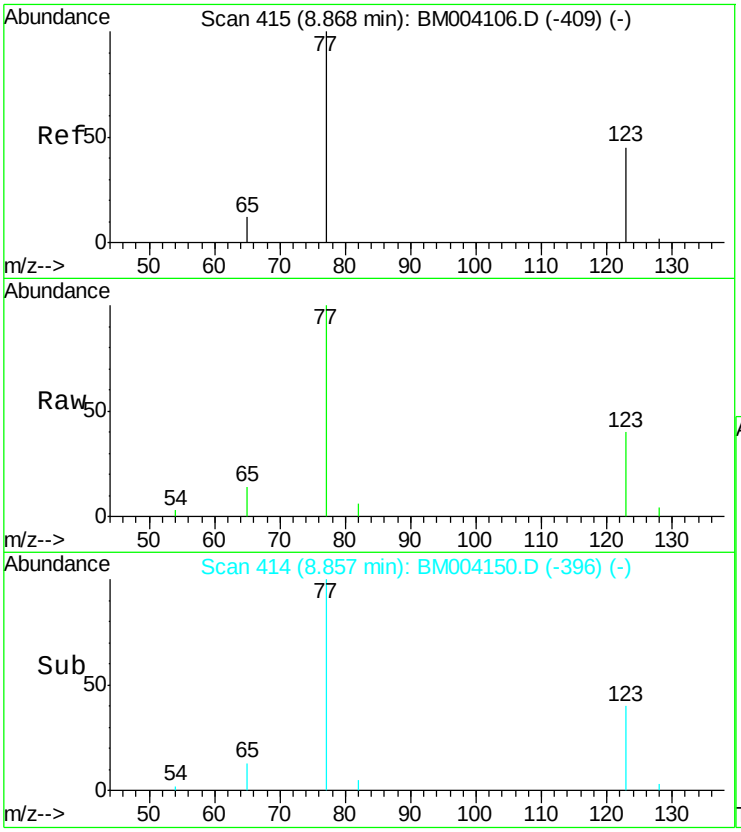


#8
Nitrobenzene-d5
Concen: 4.44 ng
RT: 8.83 min Scan# 411
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion: 82 Resp: 16330

Ion	Ratio	Lower	Upper
82	100		
128	51.8	39.1	58.7
54	39.9	34.8	52.2

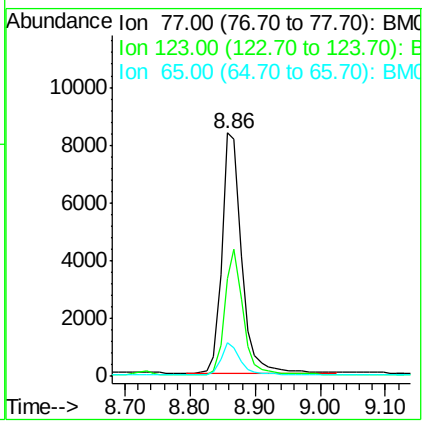




#9
Nitrobenzene
Concen: 3.38 ng
RT: 8.86 min Scan# 414
Delta R.T. -0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion: 77 Resp: 17320

Ion	Ratio	Lower	Upper
77	100		
123	49.0	38.6	57.8
65	12.6	9.9	14.9



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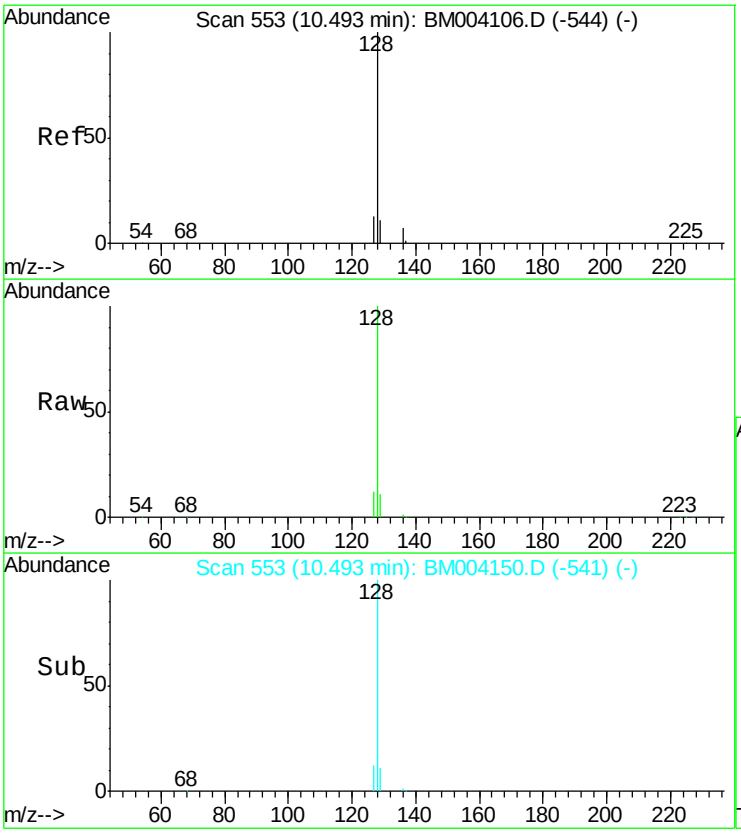
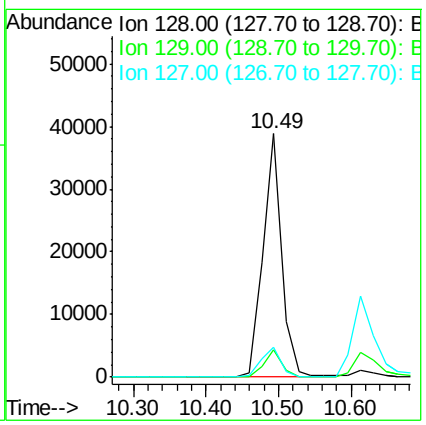
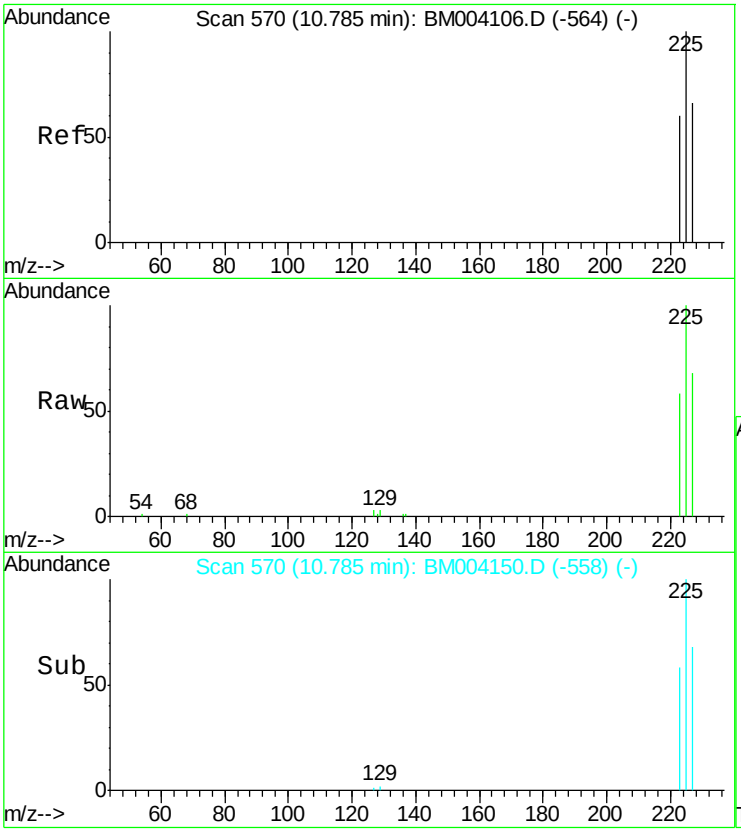


#10
Naphthalene
Concen: 3.57 ng
RT: 10.49 min Scan# 553
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:128 Resp: 69973

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.5	12.7
127	12.2	11.0	16.4

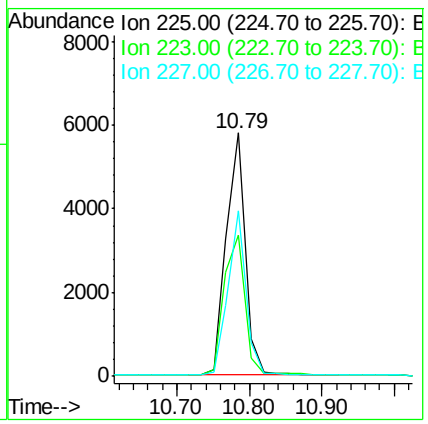




#11
Hexachlorobutadiene
Concen: 3.43 ng
RT: 10.79 min Scan# 570
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:225 Resp: 10346

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.9	76.3
227	63.5	51.2	76.8



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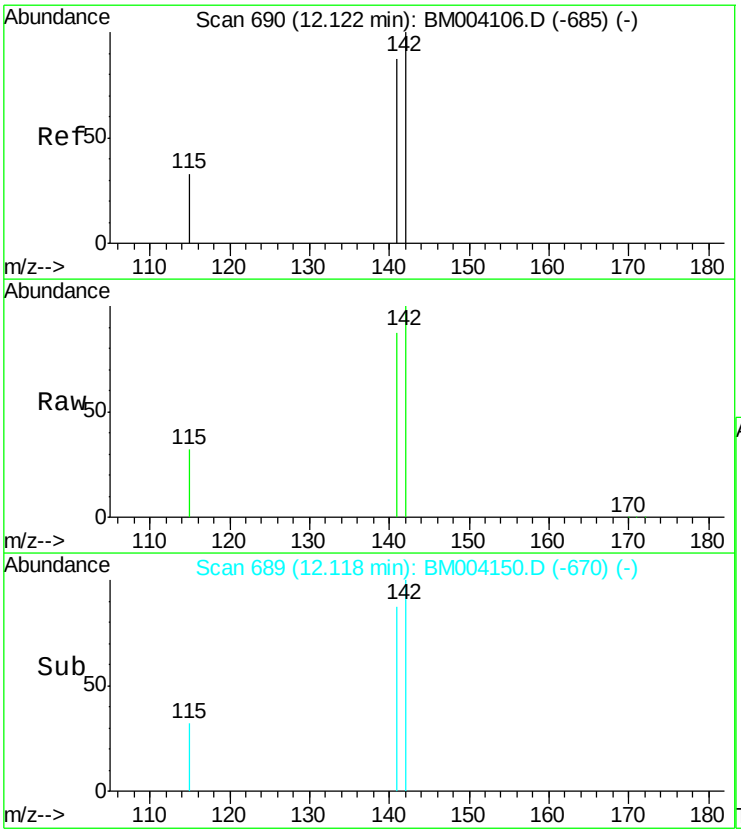
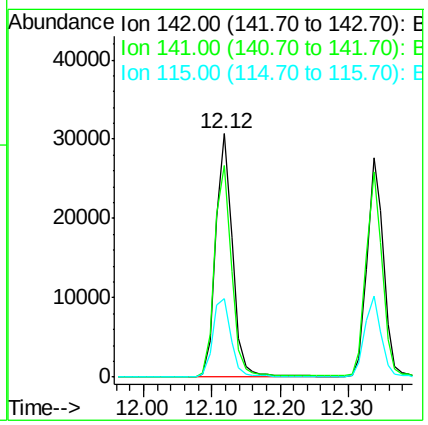
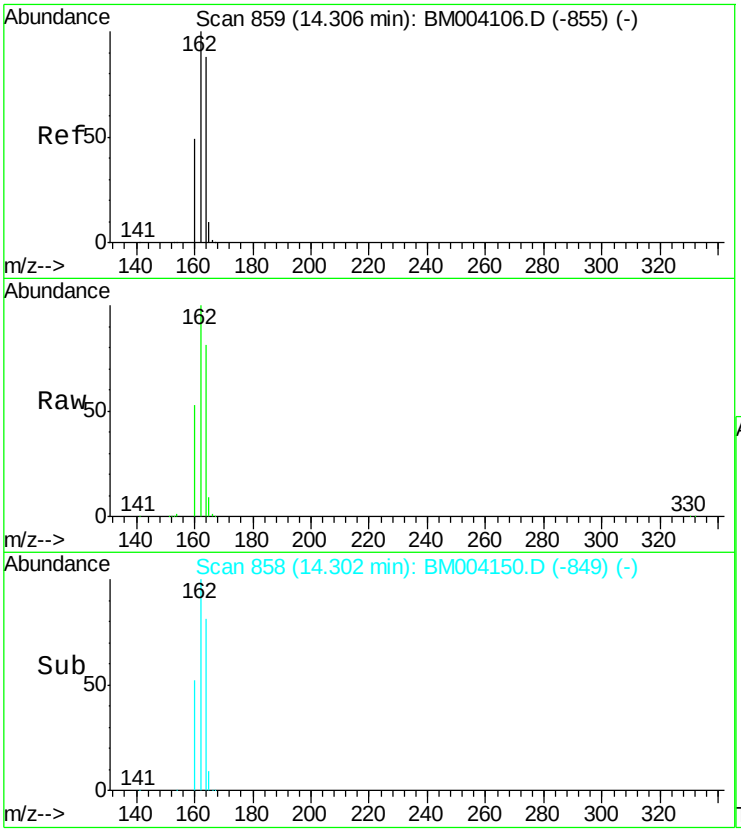


#12
2-Methylnaphthalene
Concen: 3.97 ng
RT: 12.12 min Scan# 689
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:142 Resp: 50777

Ion	Ratio	Lower	Upper
142	100		
141	86.8	67.8	101.8
115	32.3	25.3	37.9

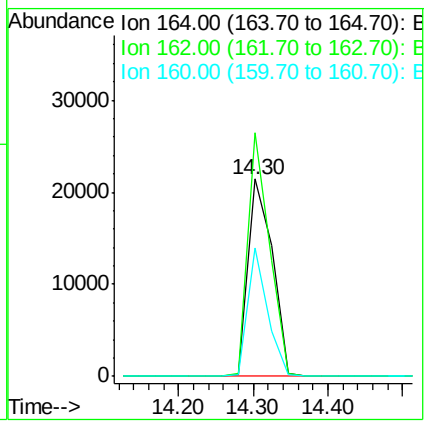




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.30 min Scan# 858
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:164 Resp: 47933

Ion	Ratio	Lower	Upper
164	100		
162	123.3	86.0	129.0
160	64.8	40.3	60.5#



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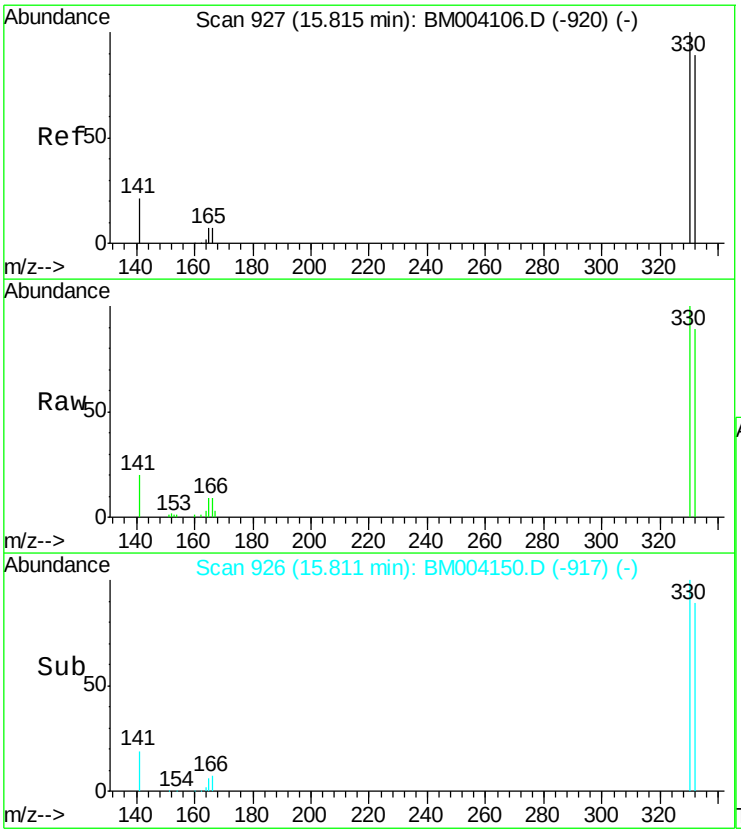
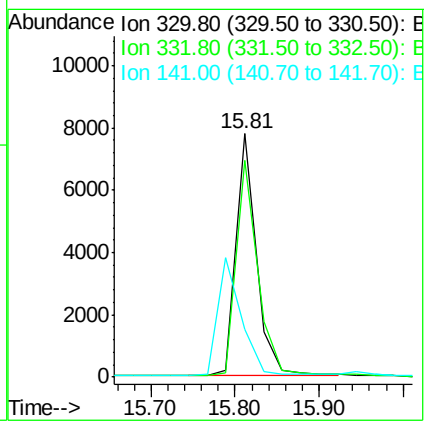
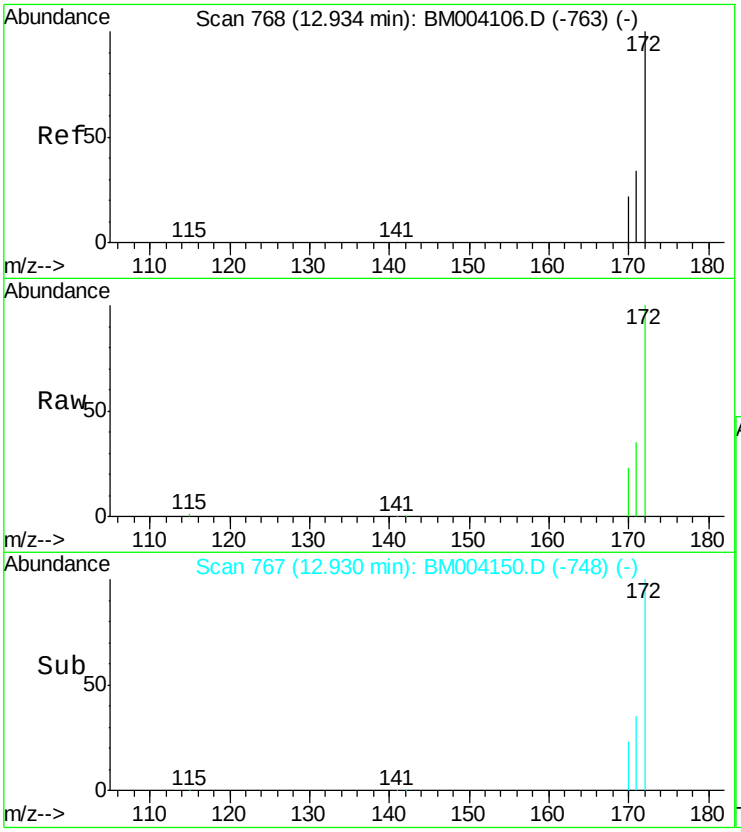


#14
2,4,6-Tribromophenol
Concen: 6.91 ng
RT: 15.81 min Scan# 926
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:330 Resp: 12930

Ion	Ratio	Lower	Upper
330	100		
332	93.7	79.0	118.4
141	0.0	27.8	41.6#

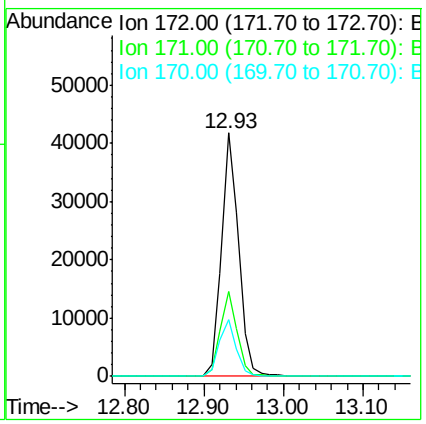




#15
2-Fluorobiphenyl
Concen: 4.24 ng
RT: 12.93 min Scan# 767
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:172 Resp: 62265

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.0	40.6
170	23.3	17.9	26.9



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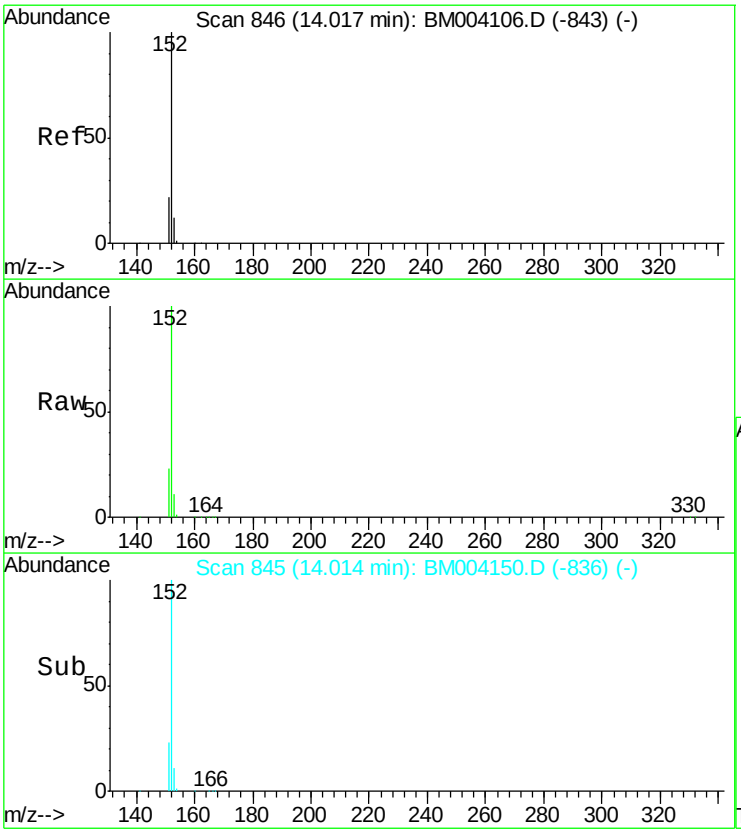
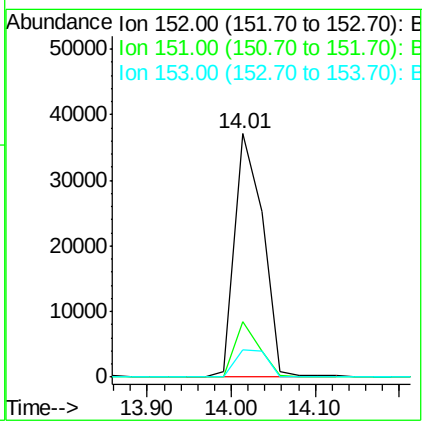
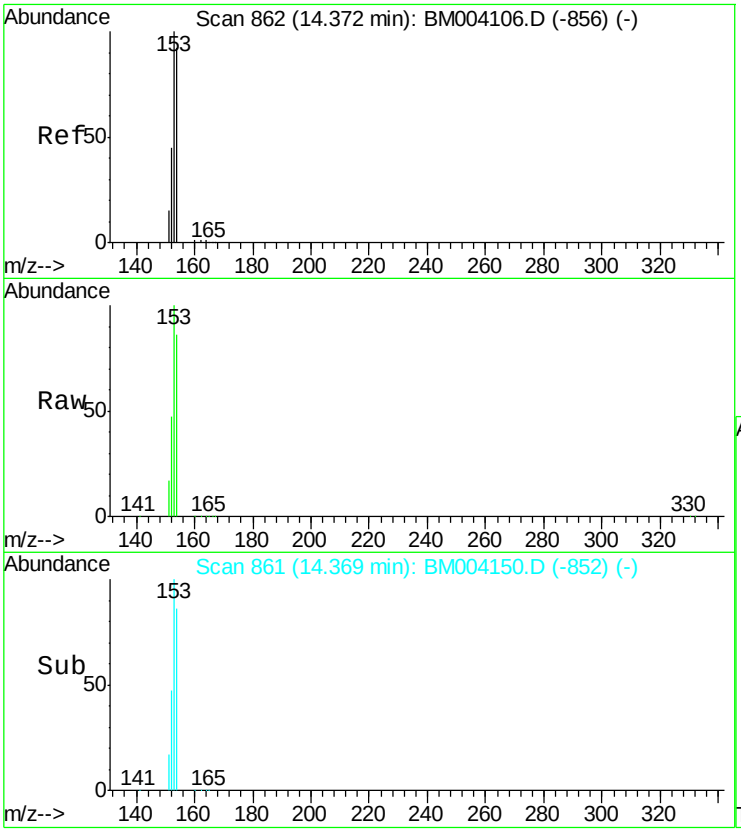


#16
Acenaphthylene
Concen: 4.14 ng
RT: 14.01 min Scan# 845
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:152 Resp: 85679

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.8	10.2	15.4

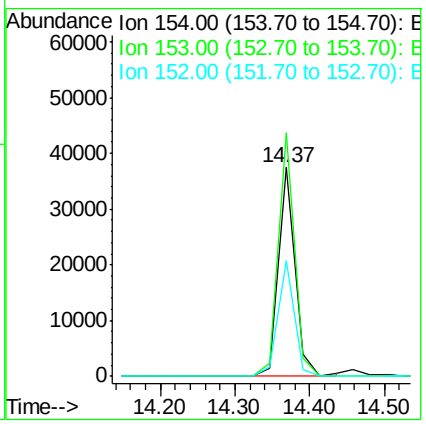




#17
Acenaphthene
Concen: 3.69 ng
RT: 14.37 min Scan# 861
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:154 Resp: 57841

Ion	Ratio	Lower	Upper
154	100		
153	113.7	85.4	128.2
152	54.3	40.6	60.8



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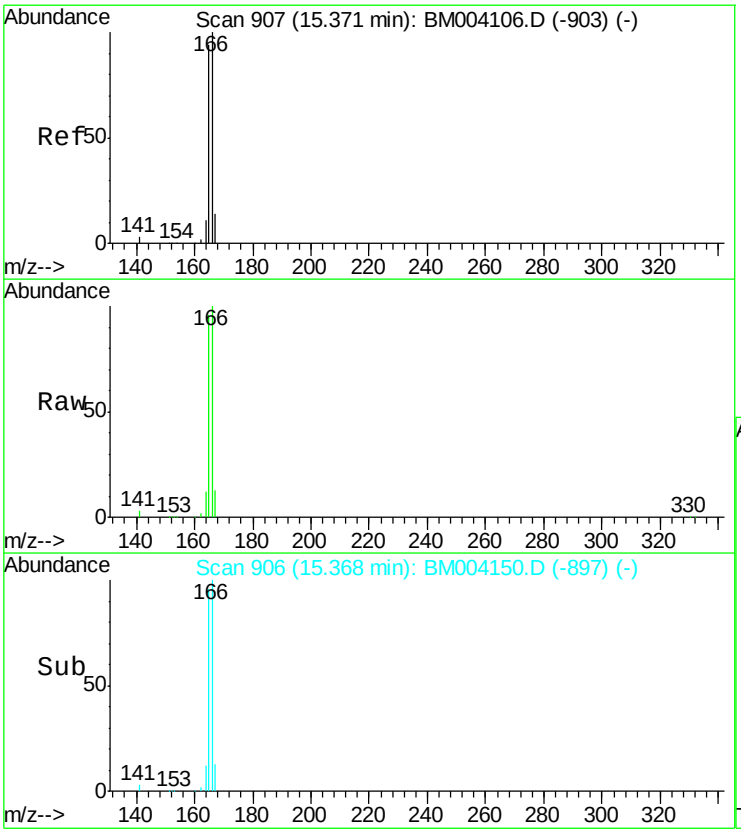
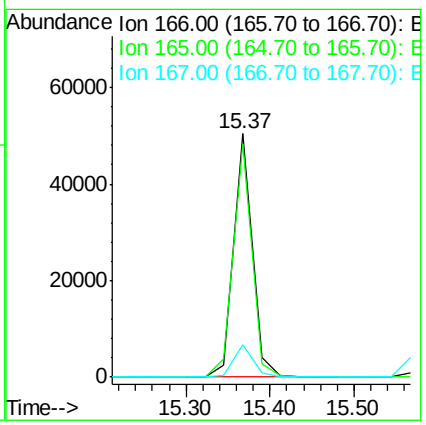
2/1/2016 2:27:58 PM

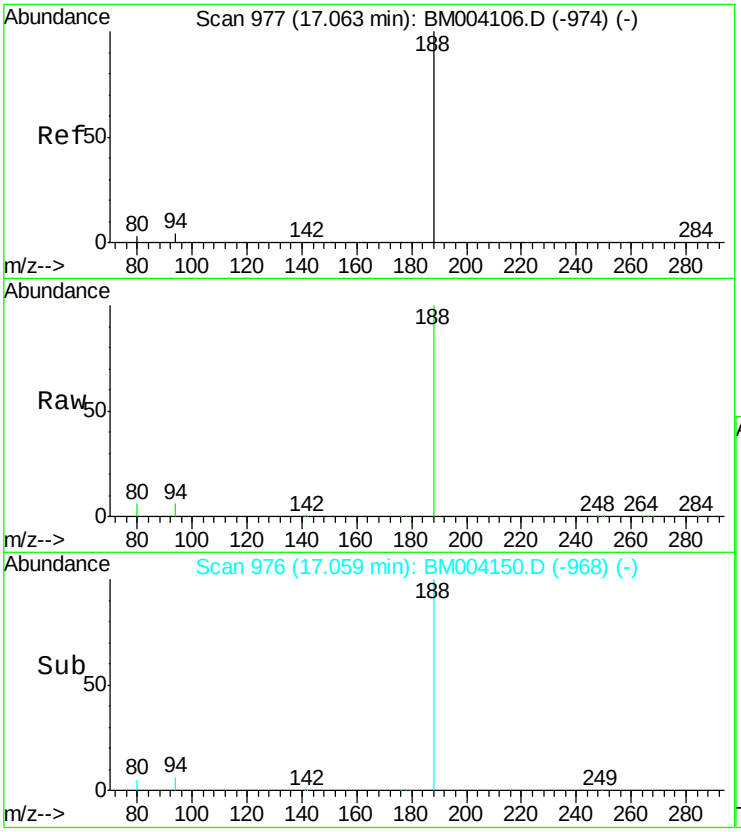


#18
Fluorene
Concen: 4.00 ng
RT: 15.37 min Scan# 906
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:166 Resp: 76256

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.2	115.8
167	13.3	11.0	16.6

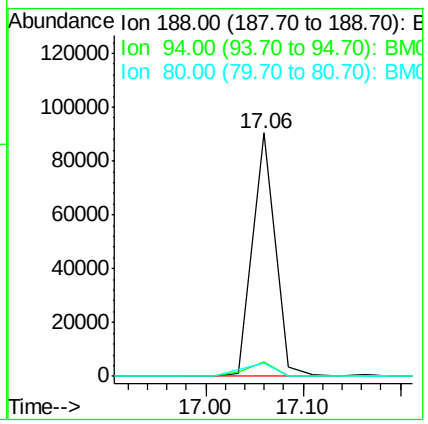




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 976
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:188 Resp: 146497

Ion	Ratio	Lower	Upper
188	100		
94	6.2	20.3	30.5#
80	5.5	22.2	33.4#



Instrument :
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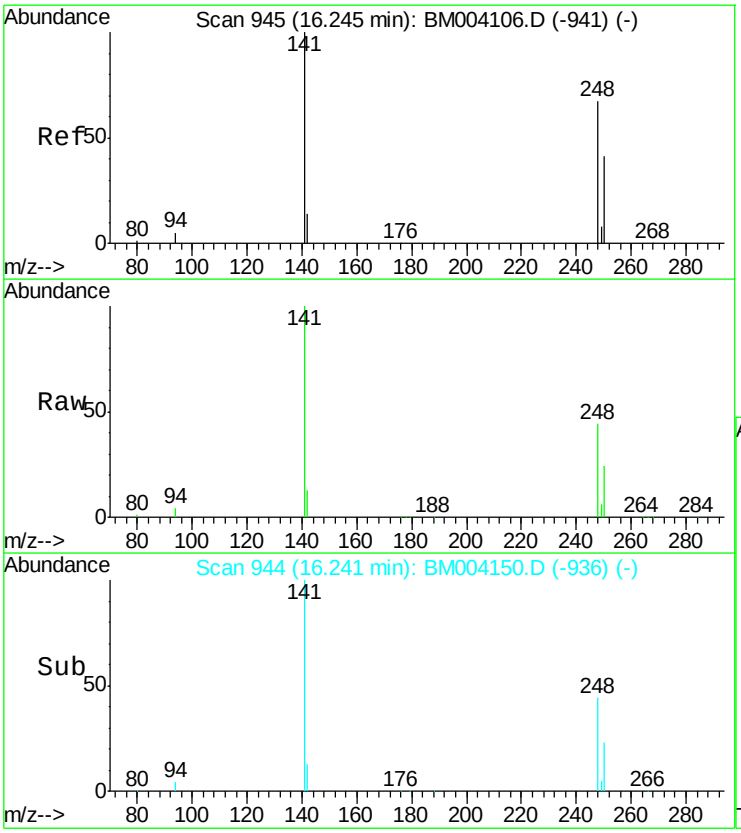
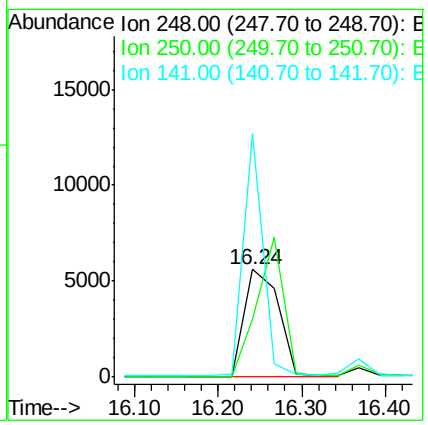
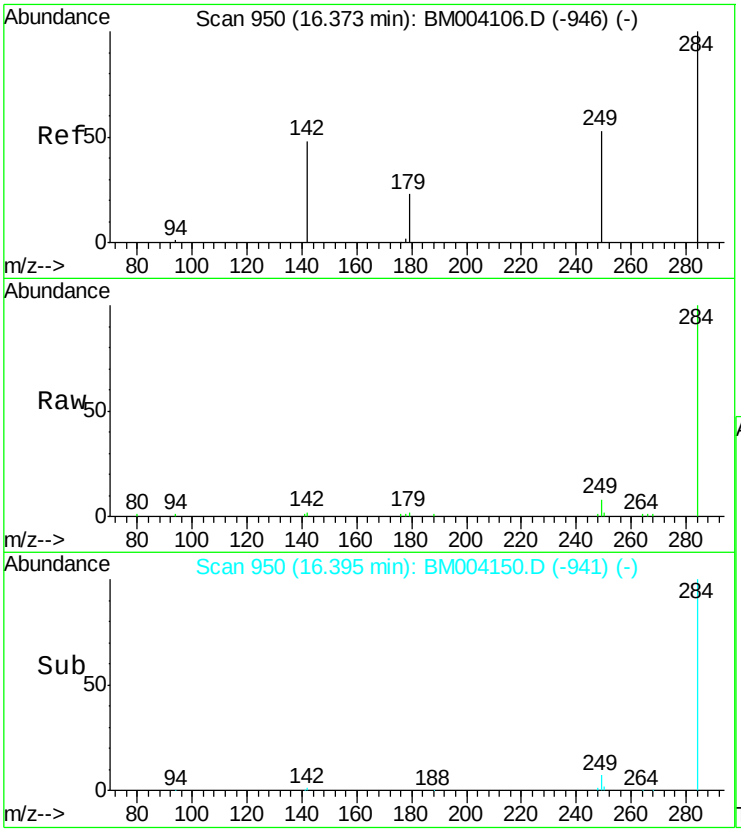


#20
4-Bromophenyl-phenylether
Concen: 3.31 ng
RT: 16.24 min Scan# 944
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:248 Resp: 15797

Ion	Ratio	Lower	Upper
248	100		
250	0.0	75.0	112.4#
141	130.9	53.0	79.4#

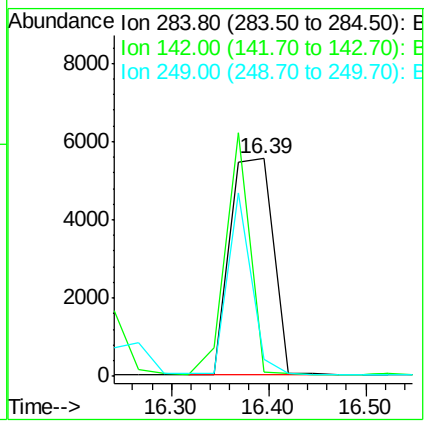




#21
Hexachlorobenzene
Concen: 3.37 ng
RT: 16.39 min Scan# 950
Delta R.T. 0.02 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:284 Resp: 16895

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.2	33.4#
249	0.0	21.5	32.3#



Instrument :
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ClientSampleId :
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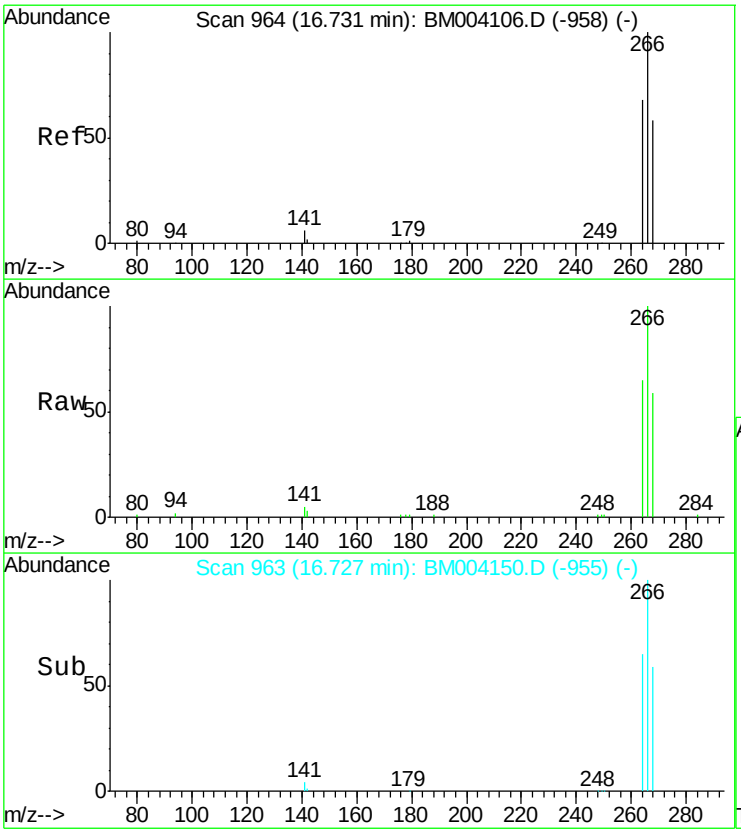
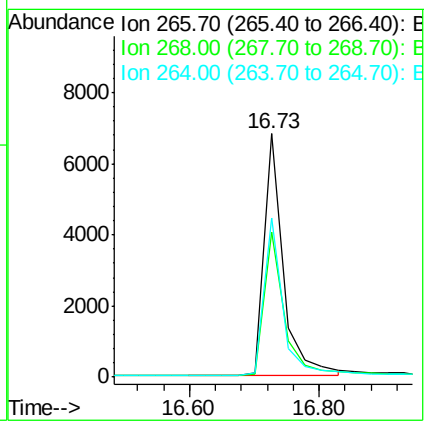
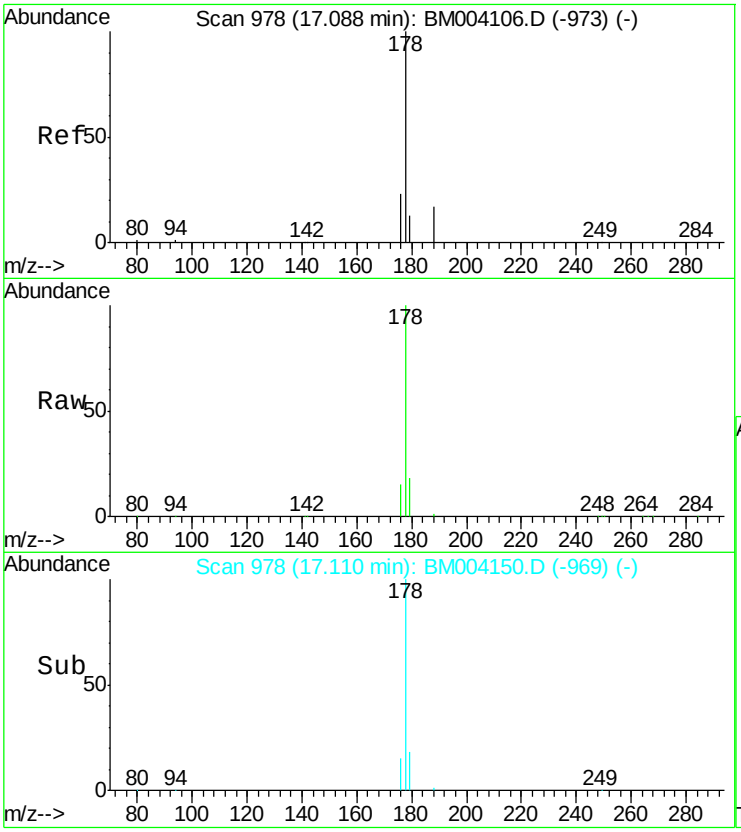


#22
Pentachlorophenol
Concen: 6.71 ng
RT: 16.73 min Scan# 963
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:266 Resp: 13781

Ion	Ratio	Lower	Upper
266	100		
268	59.5	62.7	94.1#
264	65.3	45.7	68.5

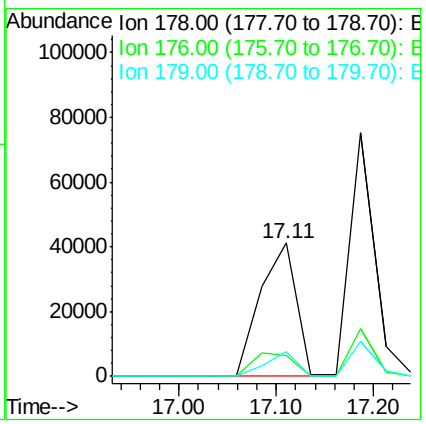




#23
Phenanthrene
Concen: 3.78 ng
RT: 17.11 min Scan# 978
Delta R.T. 0.02 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:178 Resp: 107689

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.4	23.0#
179	15.8	12.2	18.4



Instrument :
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ClientSampleId :
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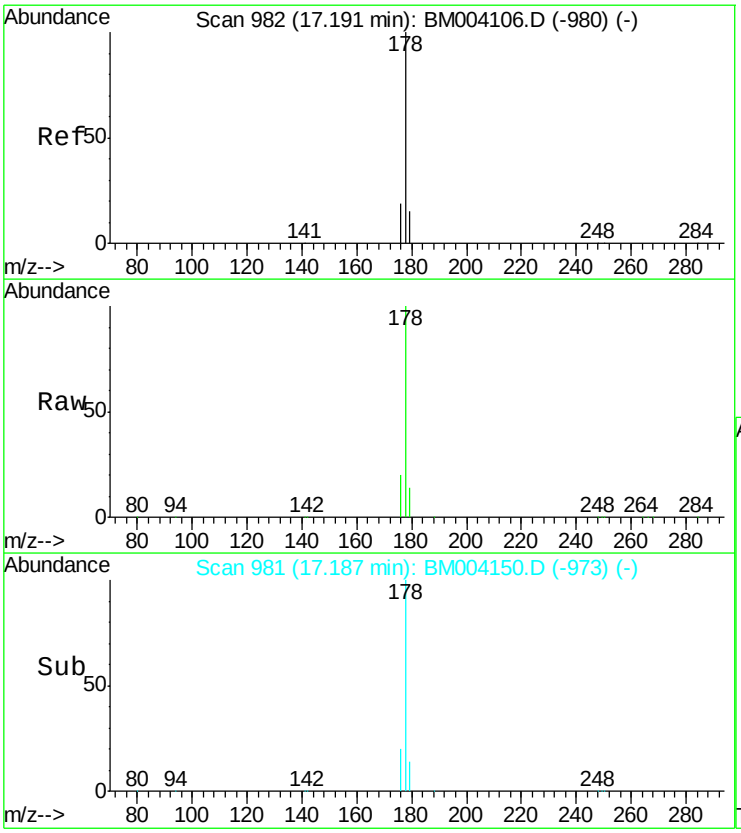
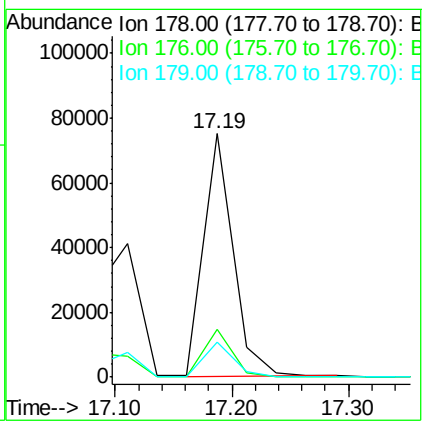
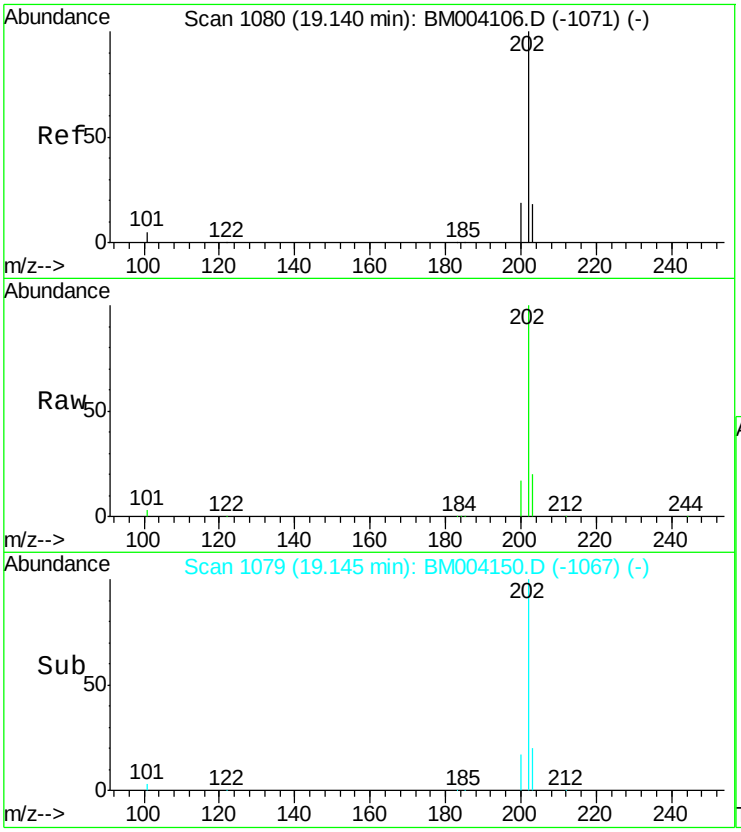


#24
Anthracene
Concen: 3.90 ng
RT: 17.19 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:178 Resp: 130503

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	21.8
179	14.8	12.6	19.0

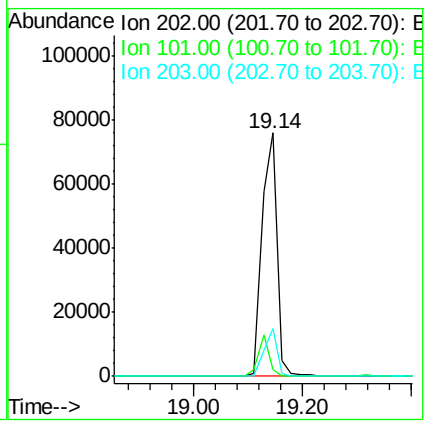




#25
Fluoranthene
Concen: 3.68 ng
RT: 19.14 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:202 Resp: 146111

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.7	14.5
203	17.5	13.8	20.8



Instrument :
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ClientSampleId :
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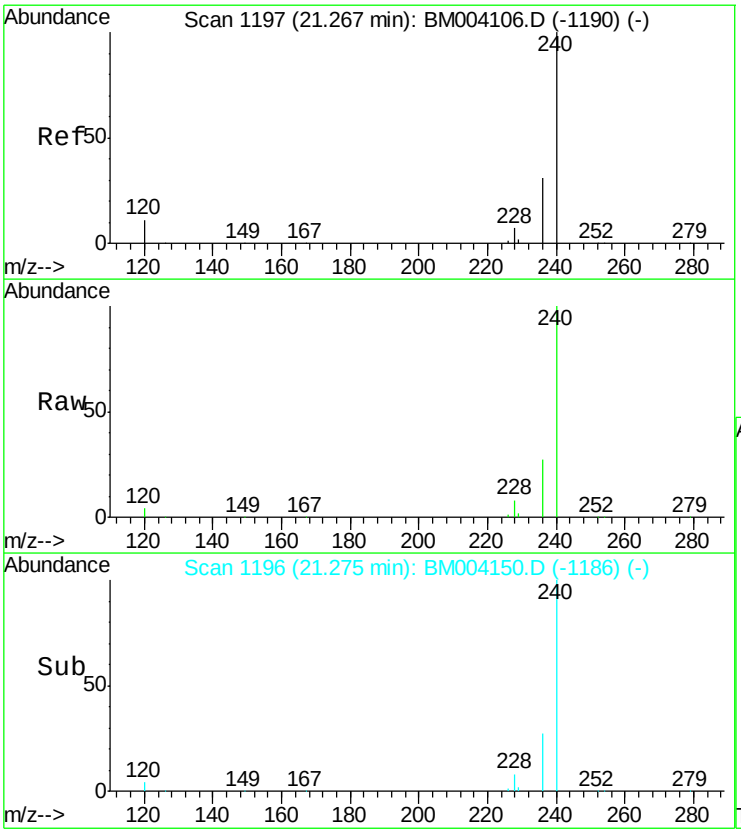
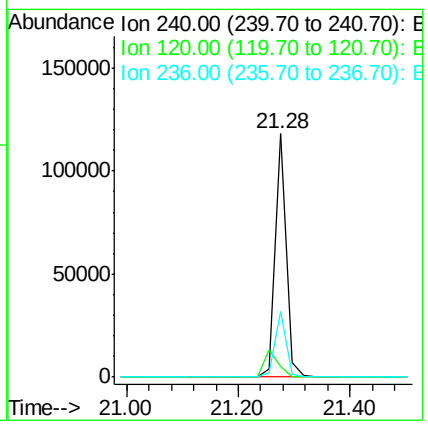
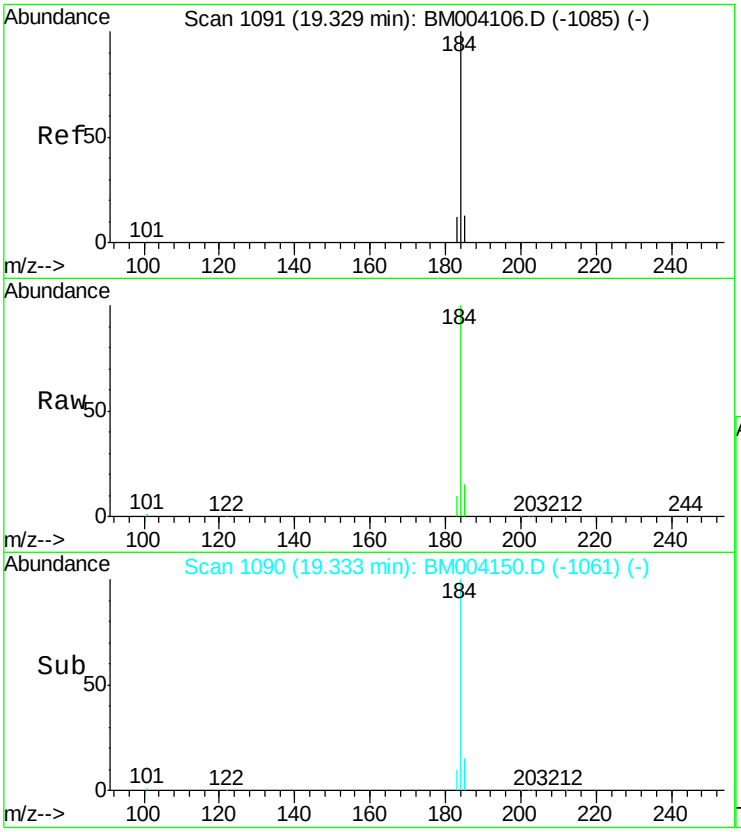


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:240 Resp: 160533

Ion	Ratio	Lower	Upper
240	100		
120	4.4	0.9	1.3#
236	26.8	17.3	25.9#

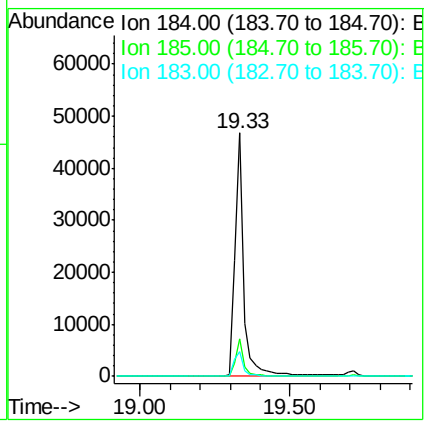




#27
Benzidine
Concen: 6.80 ng
RT: 19.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:184 Resp: 94410

Ion	Ratio	Lower	Upper
184	100		
185	15.4	13.2	19.8
183	10.0	9.0	13.6



Instrument :
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ClientSampleId :
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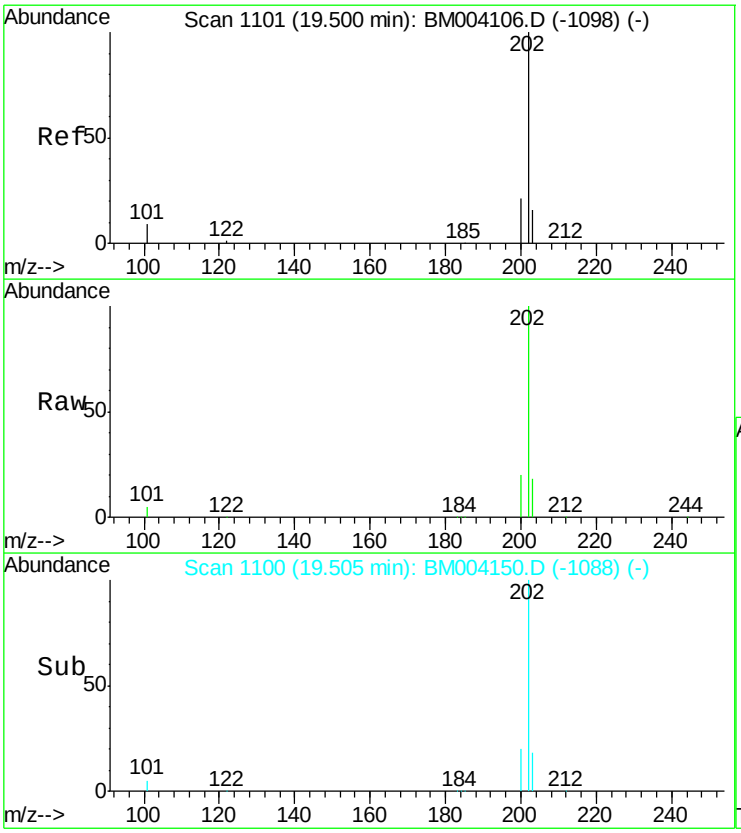
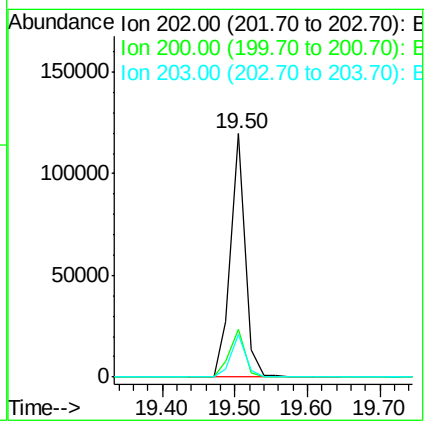
2/1/2016 2:27:58 PM

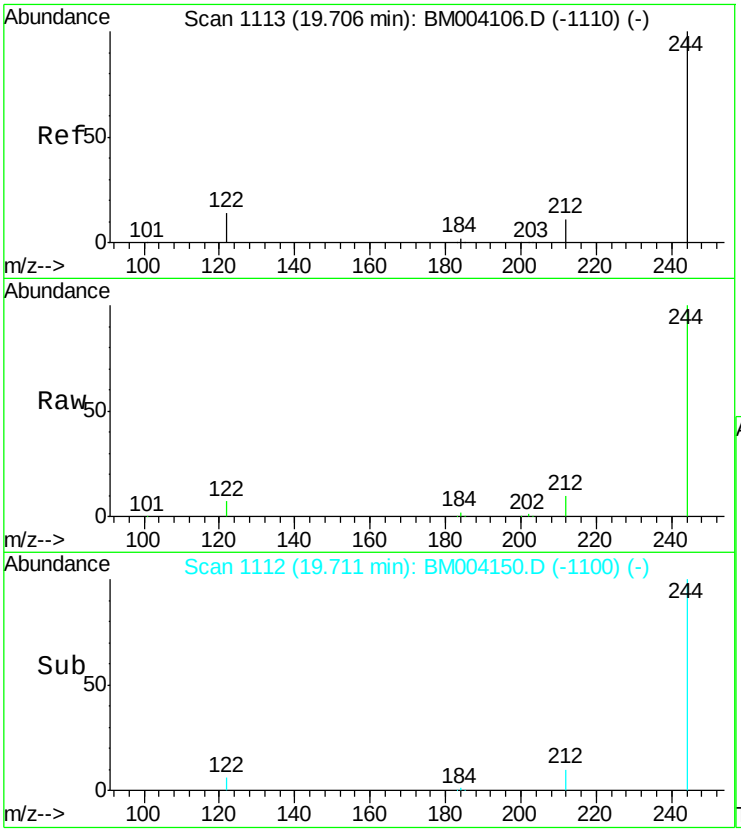


#28
Pyrene
Concen: 3.76 ng
RT: 19.50 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:202 Resp: 167317

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	17.7	14.0	21.0





#29
Terphenyl-d14
Concen: 3.71 ng
RT: 19.71 min Scan# 1112
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:244 Resp: 75685

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.0	10.6
122	6.7	3.0	4.6#

Instrument :
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ClientSampleId :
PB88052BSD

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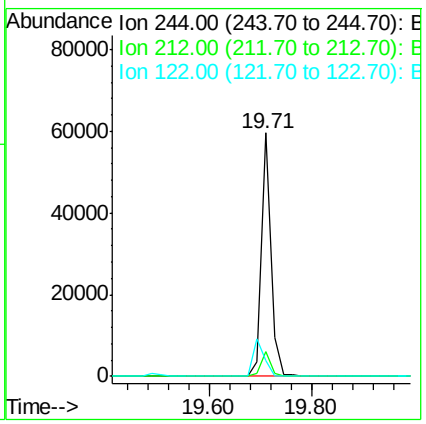
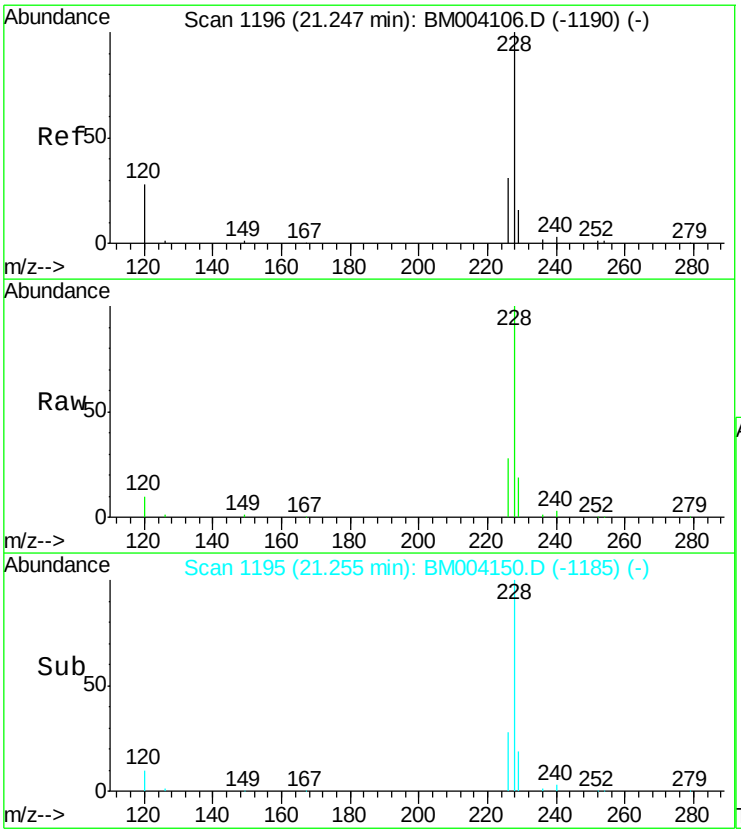
2/1/2016 2:27:58 PM

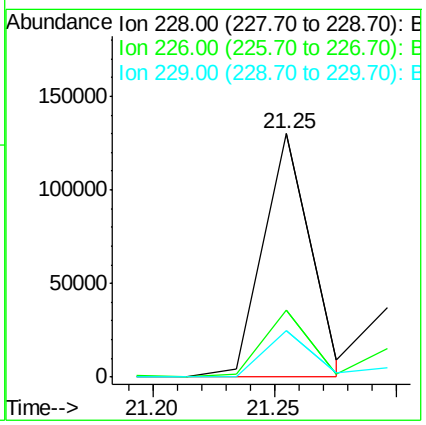


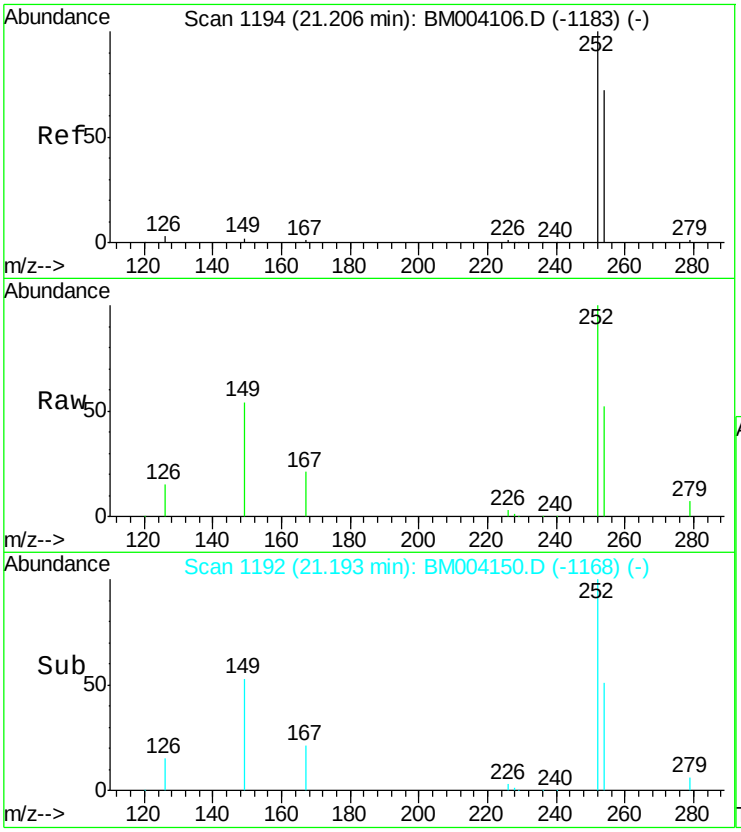


#30
Benzo(a)anthracene
Concen: 3.74 ng m
RT: 21.25 min Scan# 1195
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:228 Resp: 176035

Ion	Ratio	Lower	Upper
228	100		
226	27.6	17.2	25.8#
229	19.0	18.7	28.1





#31
3,3'-Dichlorobenzidine
Concen: 3.89 ng
RT: 21.19 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:252 Resp: 47052

Ion	Ratio	Lower	Upper
252	100		
254	51.6	52.6	79.0#
126	14.8	3.7	5.5#

Instrument :
BNA_M
ClientSampleId :
PB88052BSD

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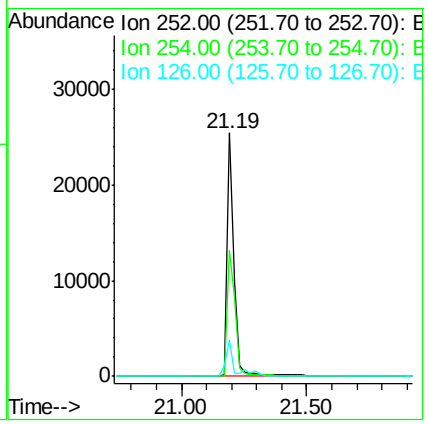
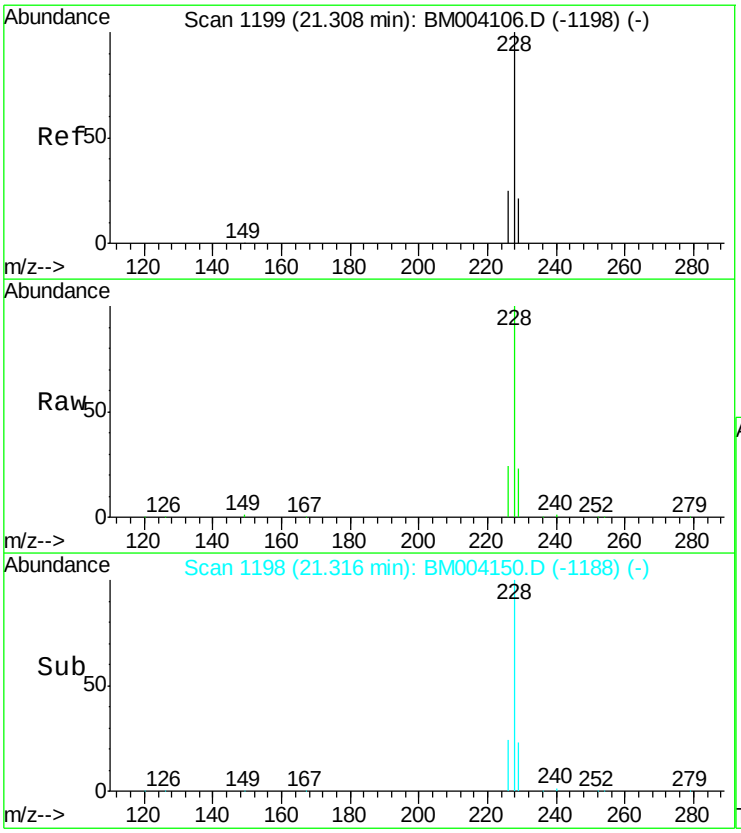
2/1/2016 2:27:58 PM

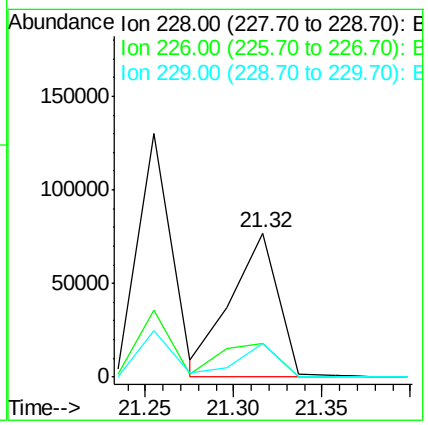


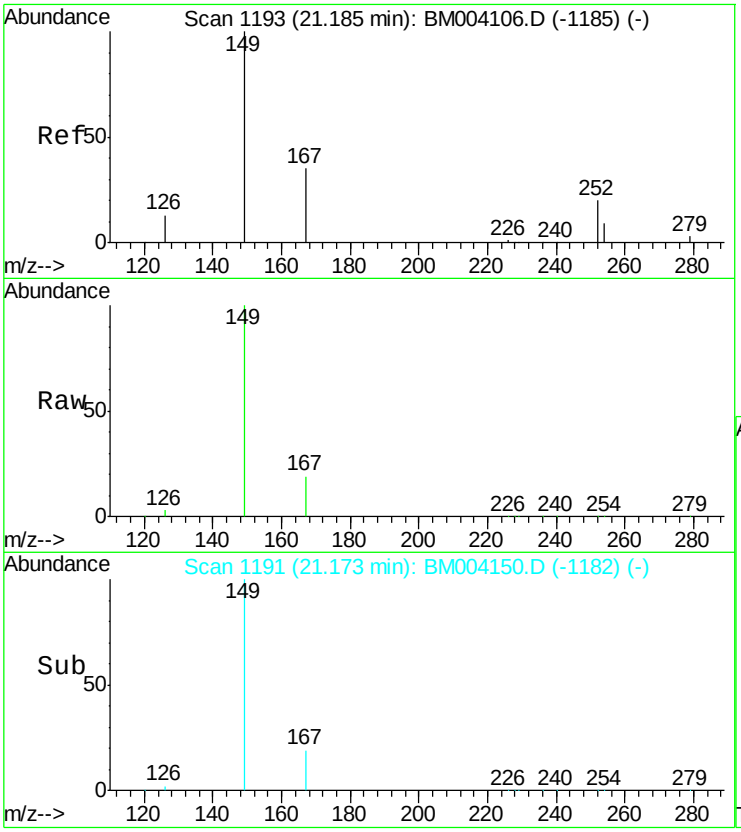


#32
Chrysene
Concen: 3.53 ng m
RT: 21.32 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:228 Resp: 143216

Ion	Ratio	Lower	Upper
228	100		
226	23.7	25.3	37.9#
229	23.0	14.5	21.7#





#33
Bis(2-ethylhexyl)phthalate
Concen: 3.46 ng
RT: 21.17 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Instrument :
BNA_M
ClientSampleId :
PB88052BSD

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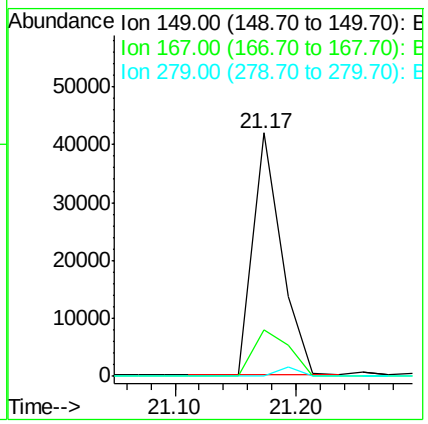
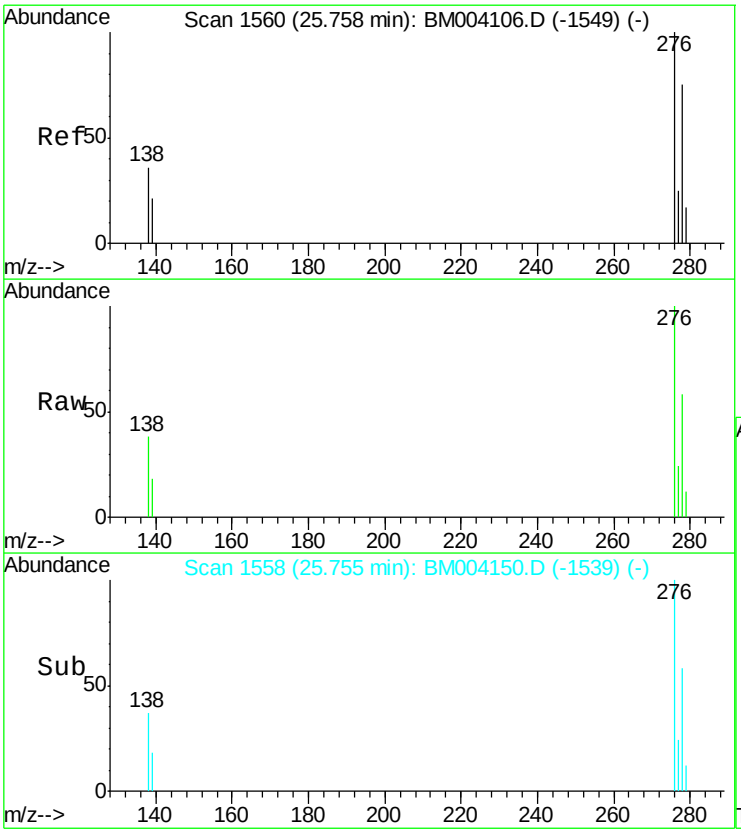
2/1/2016 2:27:58 PM

Tgt Ion:149 Resp: 68591

Ion	Ratio	Lower	Upper
149	100		
167	24.5	20.1	30.1
279	0.0	1.8	2.6#

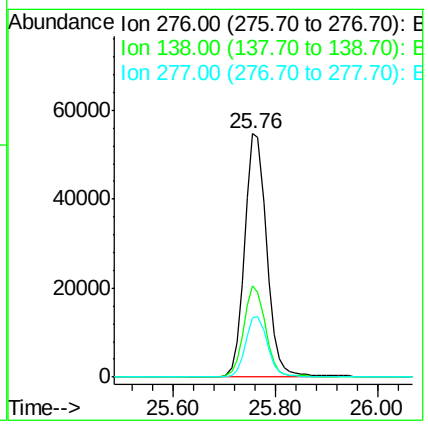


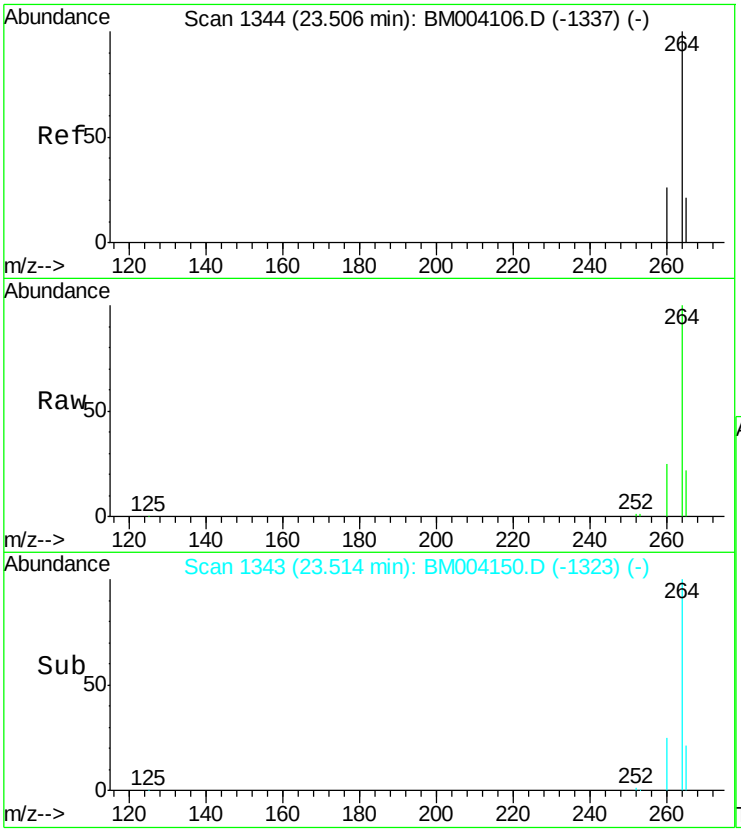


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.39 ng
RT: 25.76 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:276 Resp: 163338

Ion	Ratio	Lower	Upper
276	100		
138	37.0	30.2	45.2
277	24.8	19.8	29.8

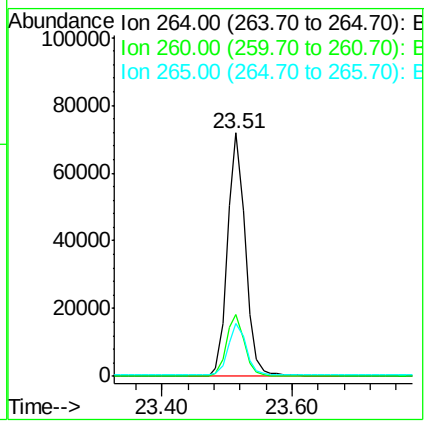




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:264 Resp: 135923

Ion	Ratio	Lower	Upper
264	100		
260	25.5	21.2	31.8
265	21.6	16.7	25.1



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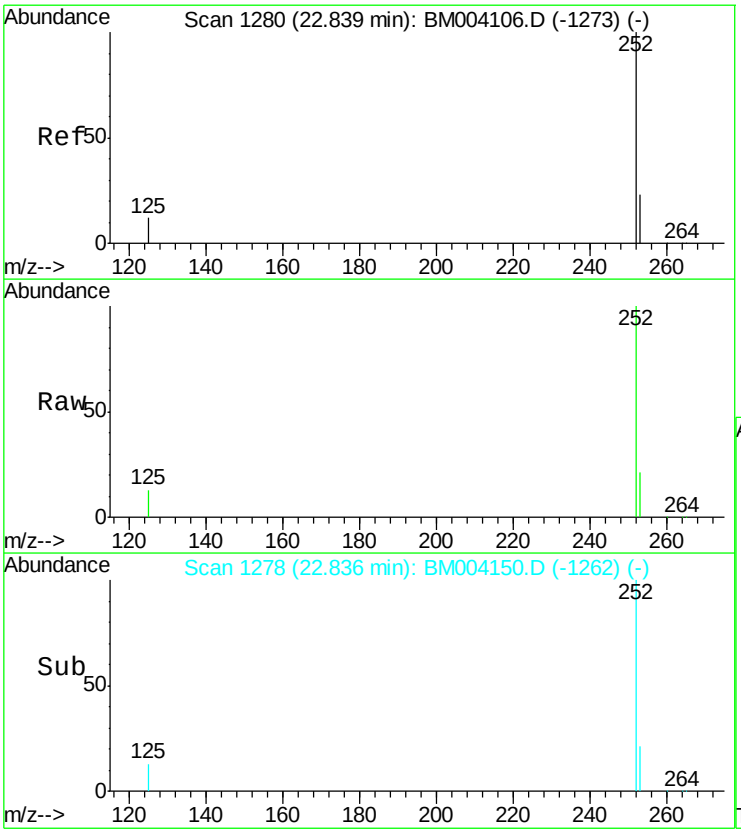
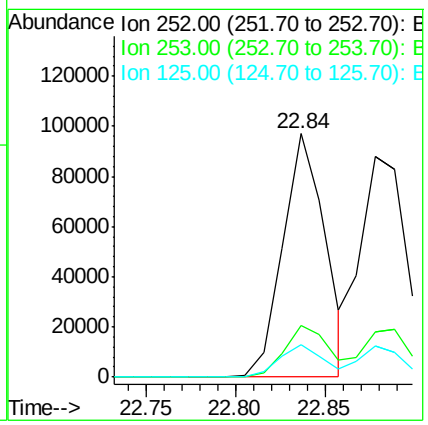
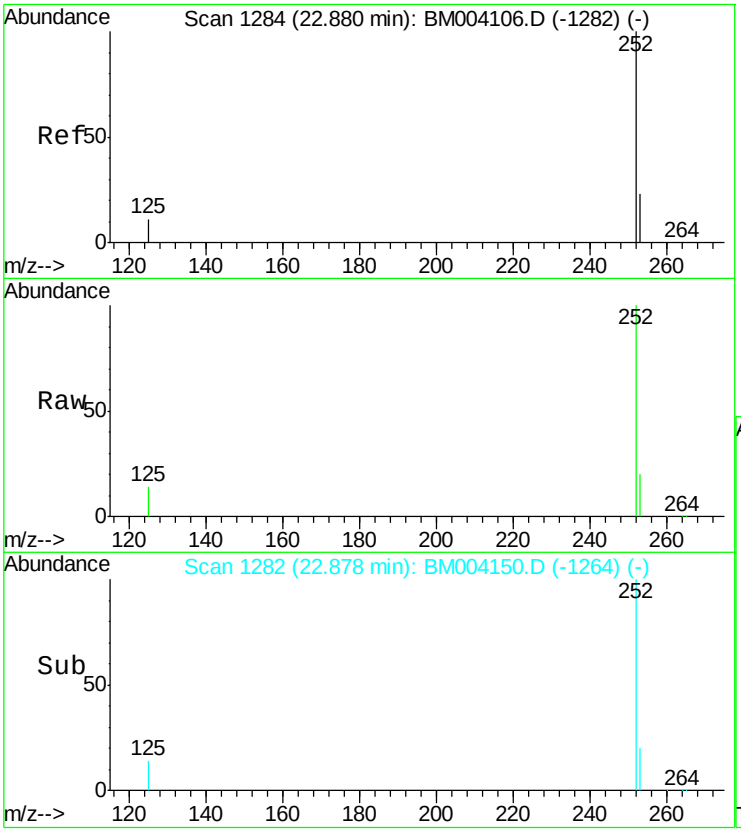


#36
Benzo(b)fluoranthene
Concen: 3.80 ng
RT: 22.84 min Scan# 1278
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:252 Resp: 160101

Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.8	28.2
125	13.5	10.2	15.4





#37
Benzo(k)fluoranthene
Concen: 4.19 ng
RT: 22.88 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:252 Resp: 160082

Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.3	27.5
125	13.9	10.6	15.8

Instrument :
BNA_M
ClientSampleId :
PB88052BSD

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mohammad
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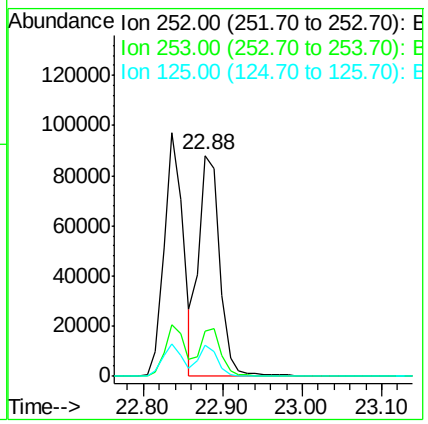
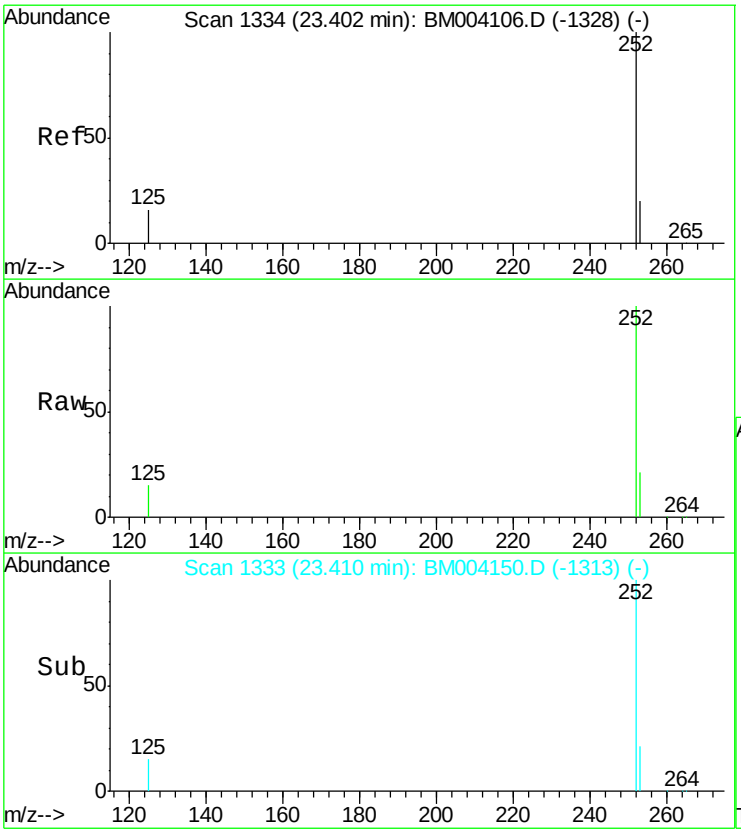
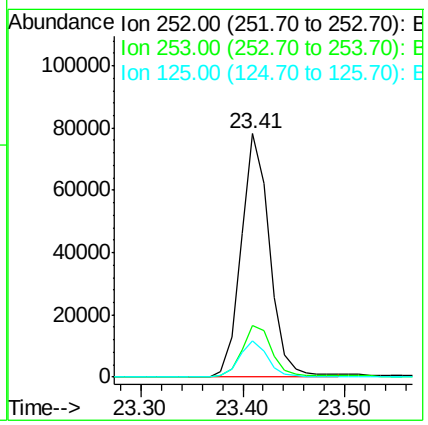


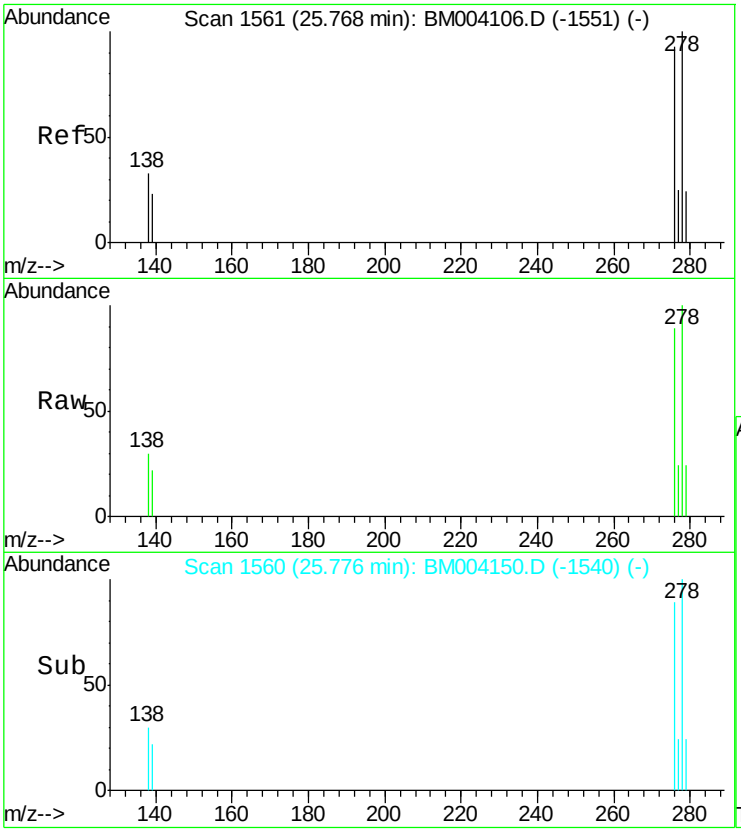


#38
Benzo(a)pyrene
Concen: 4.04 ng
RT: 23.41 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:252 Resp: 150049

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.7	28.1
125	14.9	11.8	17.8

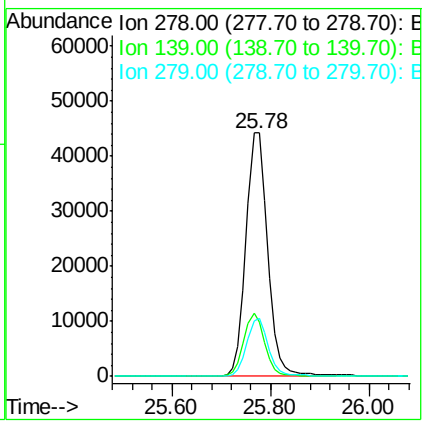




#39
Dibenzo(a,h)anthracene
Concen: 3.92 ng
RT: 25.78 min Scan# 1560
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

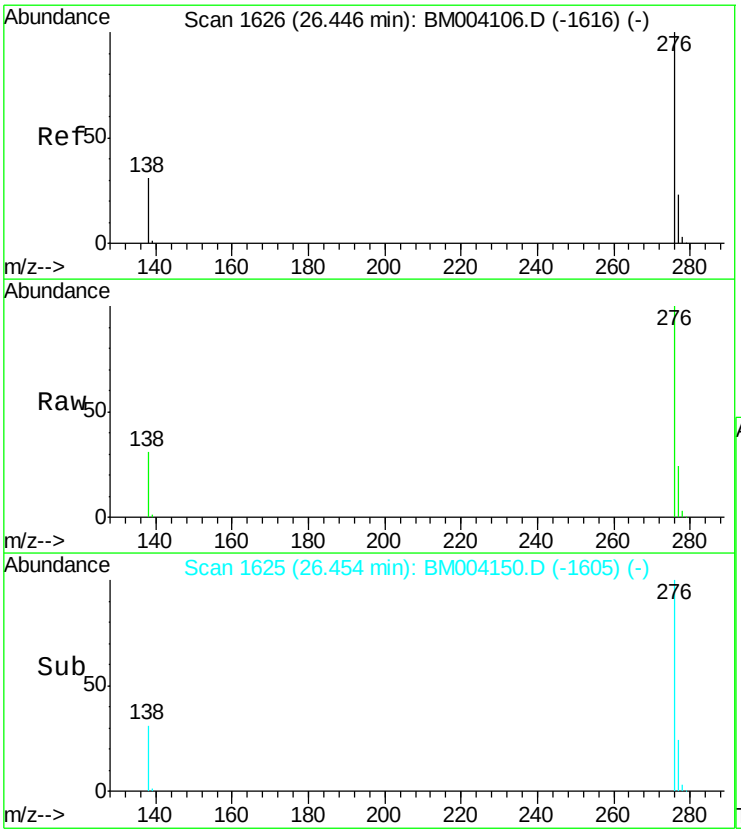
Tgt Ion:278 Resp: 130729

Ion	Ratio	Lower	Upper
278	100		
139	22.2	19.0	28.6
279	23.7	19.6	29.4



Instrument :
BNA_M
ClientSampleId :
PB88052BSD

Manual Integrations APPROVED
mohammad
2/1/2016 2:27:58 PM



#40
Benzo(g,h,i)perylene
Concen: 3.82 ng
RT: 26.45 min Scan# 1625
Delta R.T. 0.01 min
Lab File: BM004150.D
Acq: 29 Jan 2016 17:25

Tgt Ion:276 Resp: 138987

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	30.7	25.0	37.4