Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
Data File : BM004686.D
Acq On : 18 Mar 2016 17:08
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC010

Manual Integrations APPROVED
mohammad
3/21/2016 2:43:09 PM

Quant Time: Mar 19 07:49:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 19 05:14:45 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	29831	5.00	ng		0.00
6) Naphthalene-d8	10.63	136	125941	5.00	ng		0.00
10) Acenaphthene-d10	14.46	164	68731	5.00	ng		0.00
16) Phenanthrene-d10	17.22	188	121409	5.00	ng		0.00
22) Chrysene-d12	21.39	240	135807	5.00	ng		0.00
28) Perylene-d12	23.69	264	120776	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.42	112	69135	10.04	ng		0.00
5) Phenol-d6	6.99	99	88187	10.46	ng		0.00
7) Nitrobenzene-d5	8.99	82	64163	10.58	ng		0.00
11) 2,4,6-Tribromophenol	15.95	330	24468m	10.75	ng		0.00
12) 2-Fluorobiphenyl	13.09	172	191620	9.74	ng		0.00
24) Terphenyl-d14	19.84	244	171393	9.98	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	25334	8.60	ng		91
3) n-Nitrosodimethylamine	3.66	42	30807	9.99	ng		96
8) Naphthalene	10.66	128	320313	9.25	ng		98
9) 2-Methylnaphthalene	12.29	142	214292	9.88	ng		98
13) Acenaphthylene	14.17	152	376584	10.65	ng		100
14) Acenaphthene	14.53	154	233749	9.99	ng		98
15) Fluorene	15.53	166	253917	9.68	ng	#	99
17) Hexachlorobenzene	16.53	284	77045	10.31	ng	#	100
18) Pentachlorophenol	16.86	266	51745	12.24	ng		98
19) Phenanthrene	17.24	178	471917	9.70	ng		100
20) Anthracene	17.34	178	371294	10.70	ng		100
21) Fluoranthene	19.28	202	466350	10.14	ng		100
23) Pyrene	19.64	202	498058	9.99	ng		100
25) Benzo(a)anthracene	21.37	228	522160	9.61	ng		100
26) Chrysene	21.43	228	400994	9.92	ng		99
27) Indeno(1,2,3-cd)pyrene	26.02	276	464774	10.22	ng		99
29) Benzo(b)fluoranthene	22.99	252	478144	10.88	ng		96
30) Benzo(k)fluoranthene	23.05	252	396074	9.10	ng		96
31) Benzo(a)pyrene	23.59	252	421281	10.22	ng		96
32) Dibenzo(a,h)anthracene	26.04	278	374357	10.15	ng		98
33) Benzo(g,h,i)perylene	26.74	276	393816	10.11	ng		97

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

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Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
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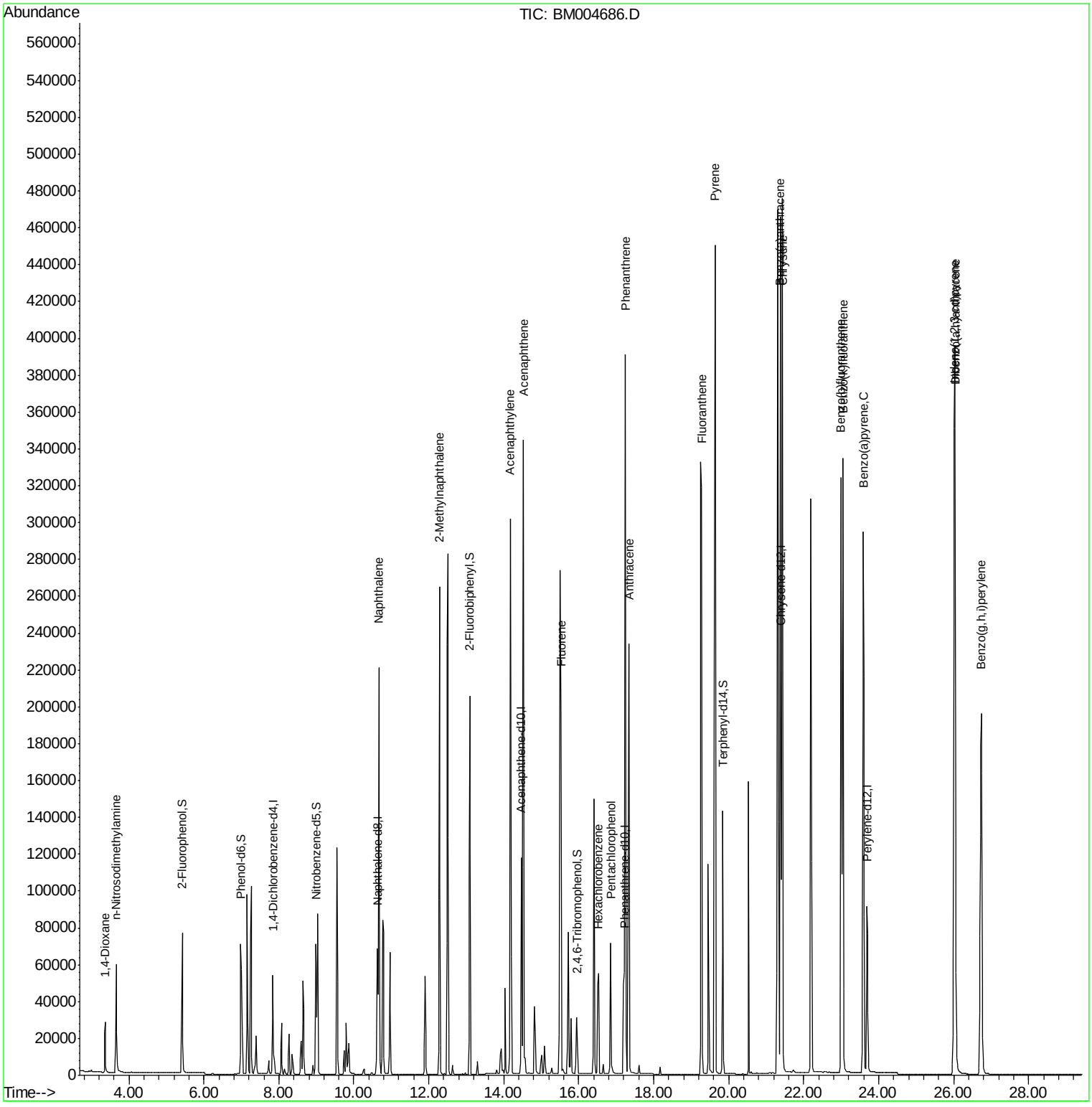
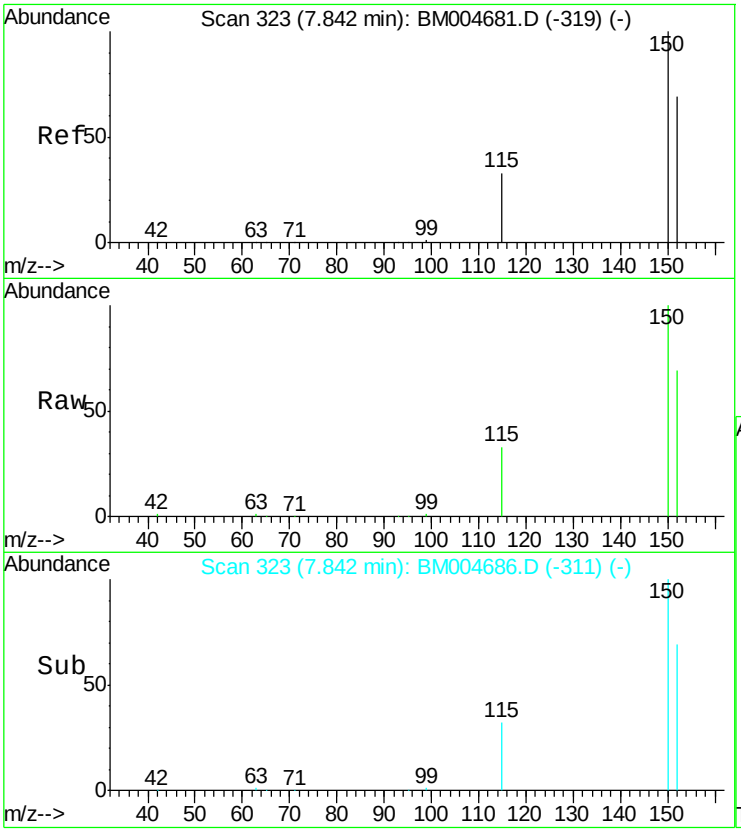
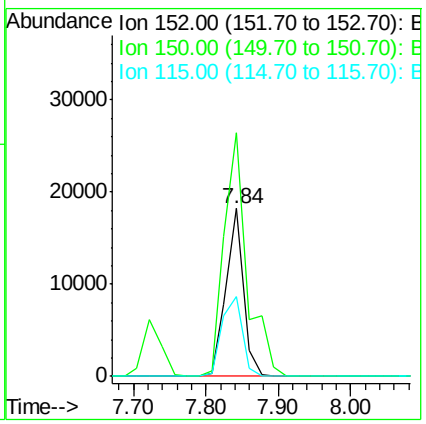




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 323
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:152 Resp: 29831

Ion	Ratio	Lower	Upper
152	100		
150	145.3	115.9	173.9
115	47.4	38.4	57.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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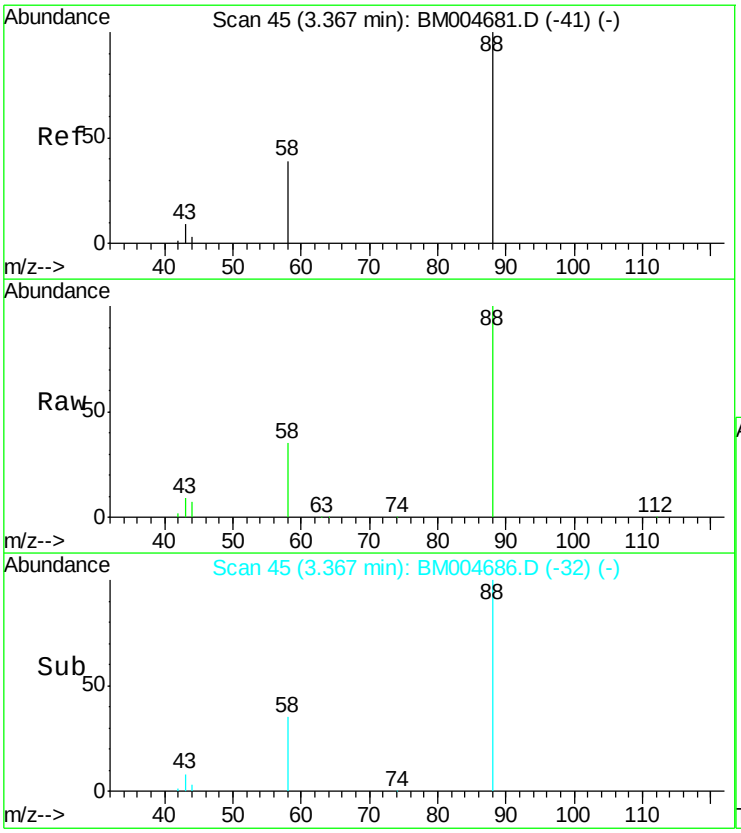
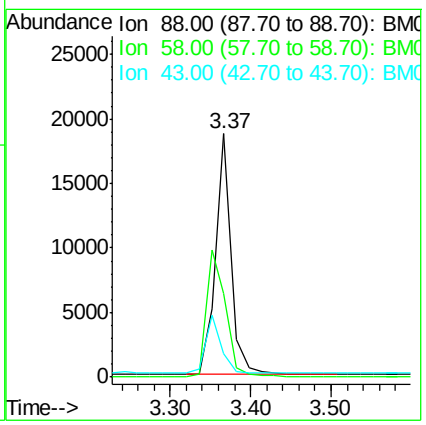
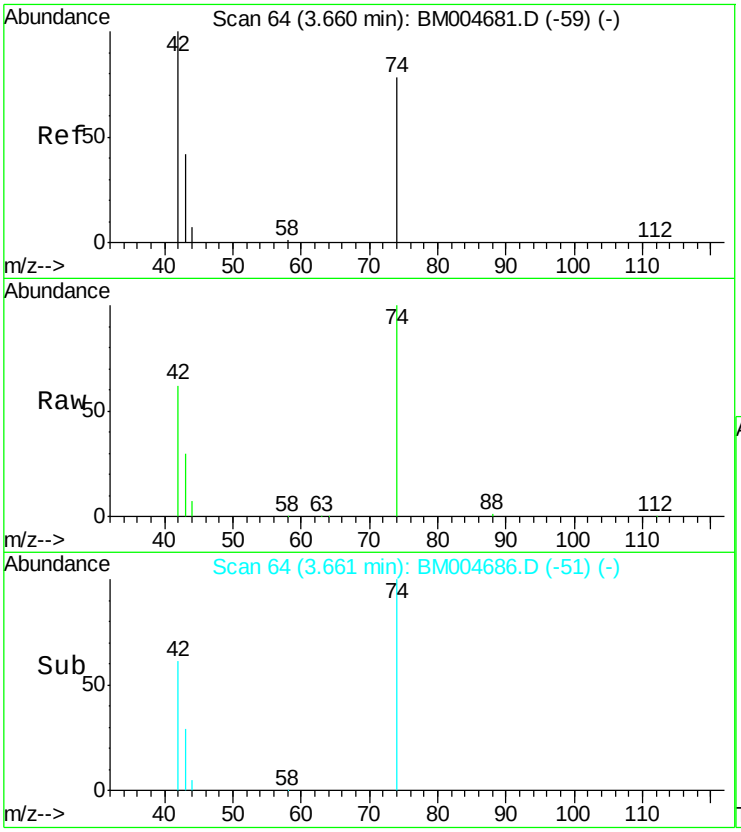


#2
1,4-Dioxane
Concen: 8.60 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion: 88 Resp: 25334

Ion	Ratio	Lower	Upper
88	100		
58	63.6	43.9	65.9
43	23.8	19.9	29.9

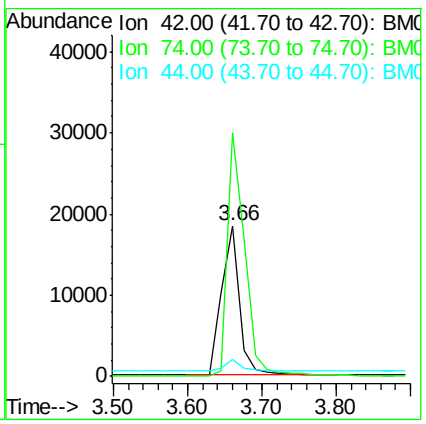




#3
n-Nitrosodimethylamine
Concen: 9.99 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion: 42 Resp: 30807

Ion	Ratio	Lower	Upper
42	100		
74	156.5	120.9	181.3
44	6.5	6.0	9.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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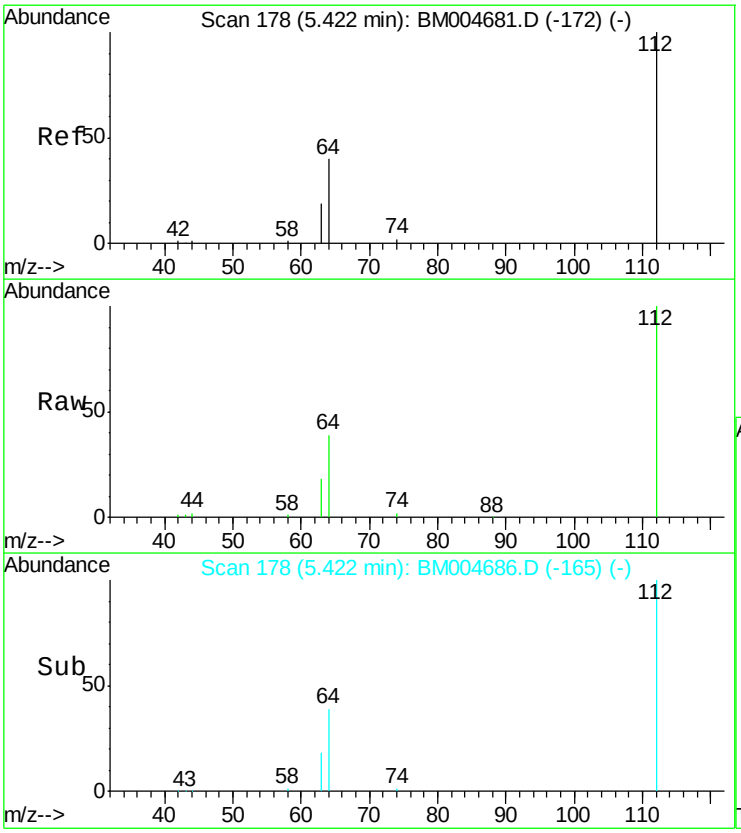
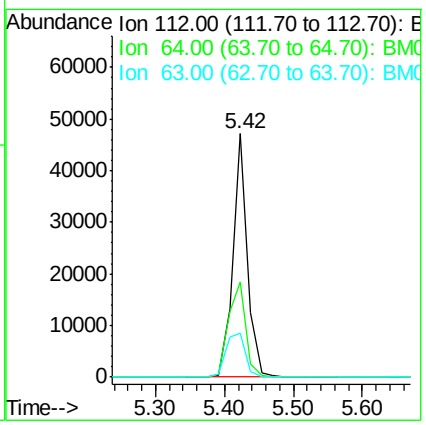
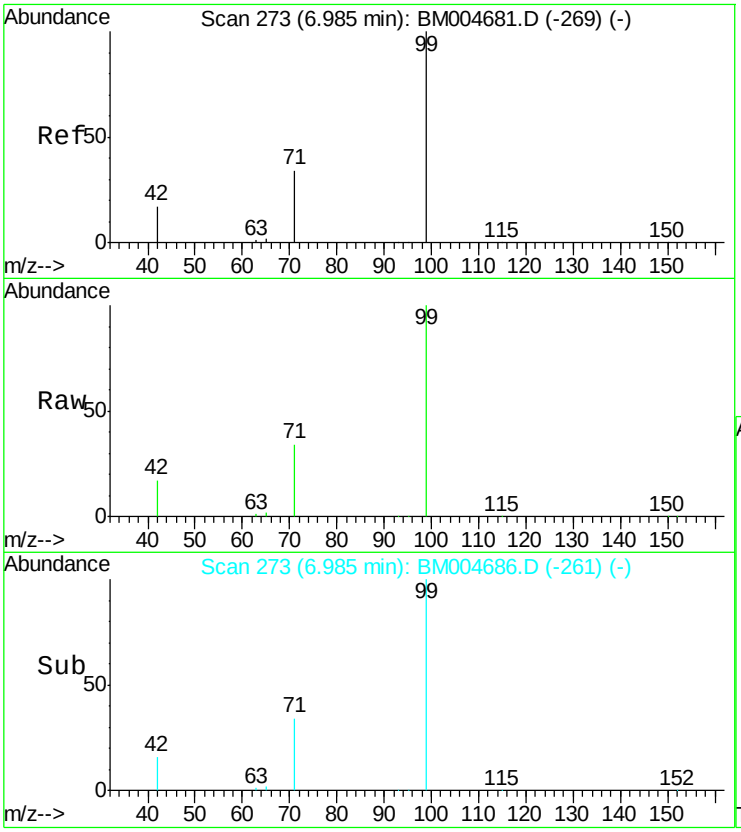


#4
2-Fluorophenol
Concen: 10.04 ng
RT: 5.42 min Scan# 178
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:112 Resp: 69135

Ion	Ratio	Lower	Upper
112	100		
64	46.4	37.0	55.6
63	23.9	19.3	28.9

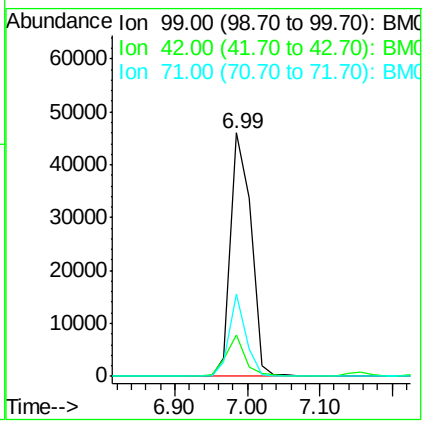




#5
Phenol-d6
Concen: 10.46 ng
RT: 6.99 min Scan# 273
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion: 99 Resp: 88187

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.7	19.1
71	27.8	22.9	34.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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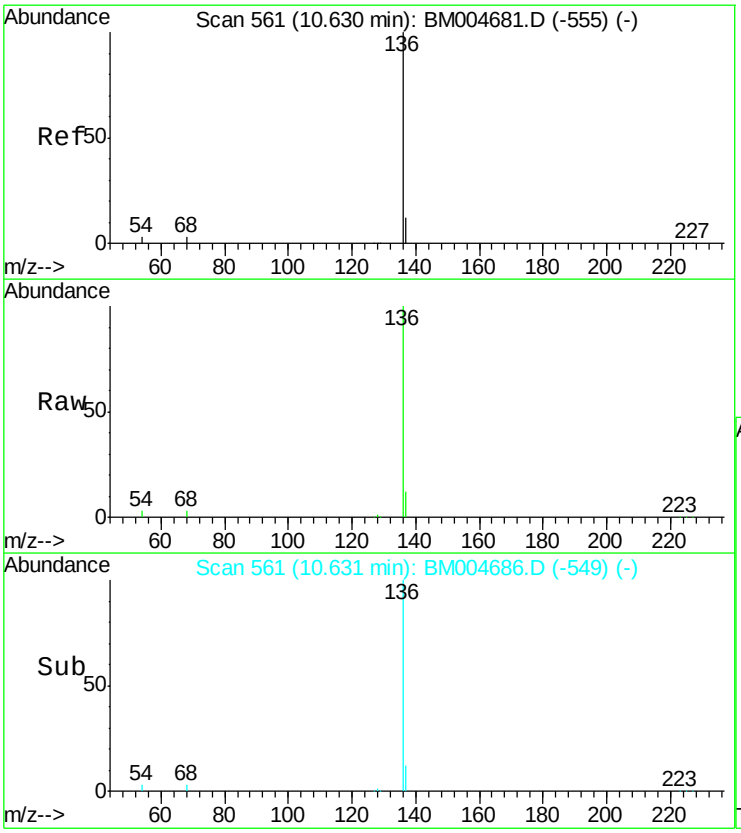
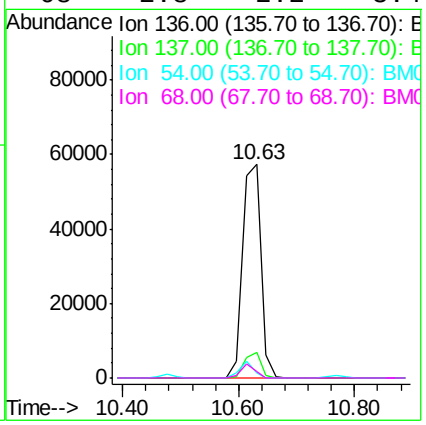
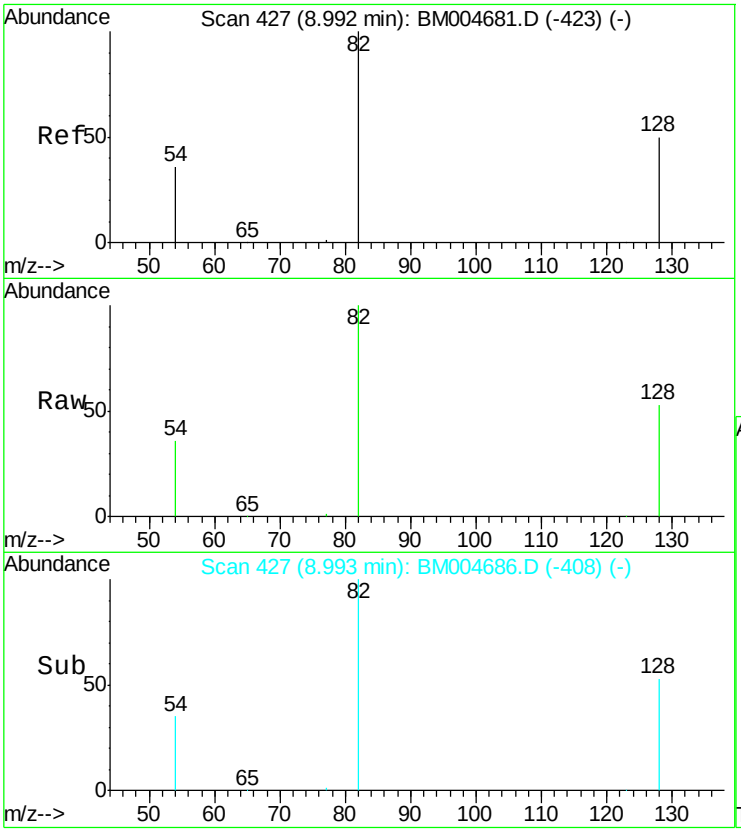


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.63 min Scan# 561
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:136 Resp: 125941

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.2
54	2.7	2.2	3.4
68	2.8	2.2	3.4

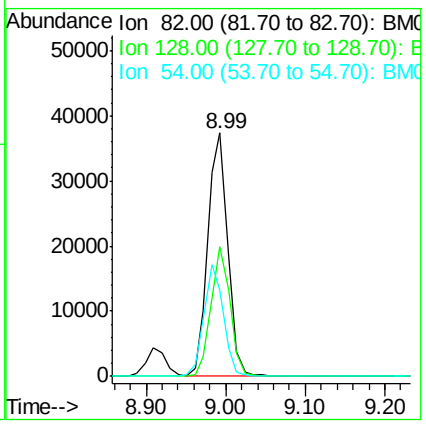




#7
Nitrobenzene-d5
Concen: 10.58 ng
RT: 8.99 min Scan# 427
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion: 82 Resp: 64163

Ion	Ratio	Lower	Upper
82	100		
128	53.2	41.8	62.8
54	35.6	32.9	49.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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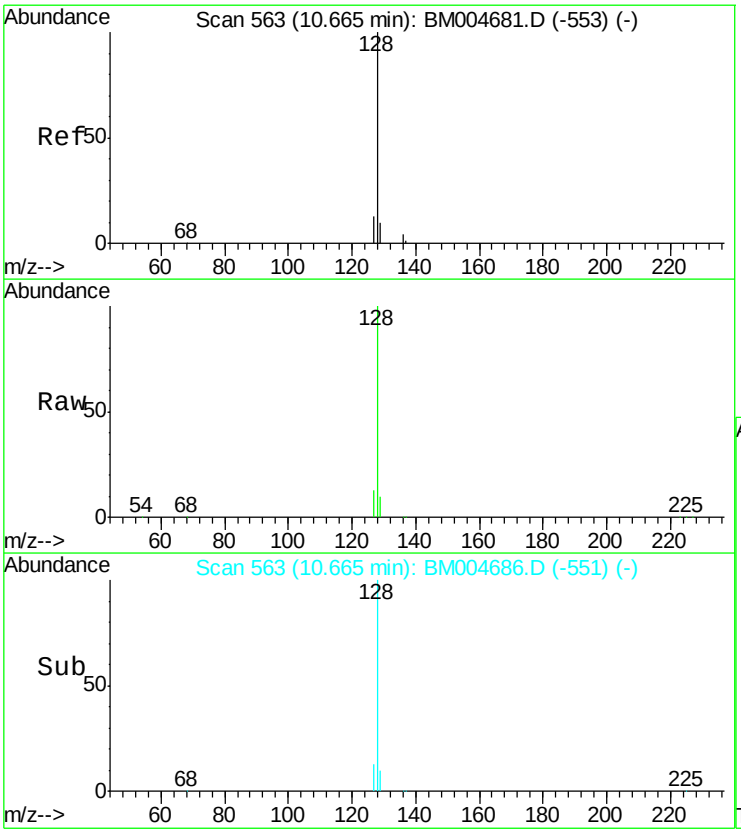
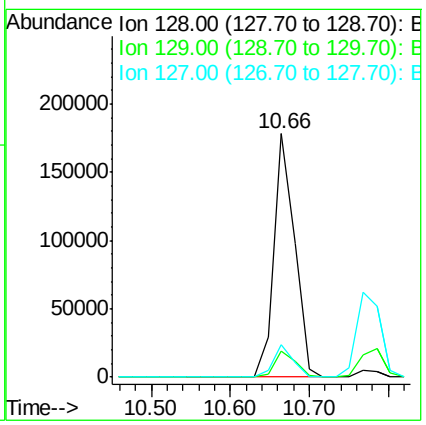
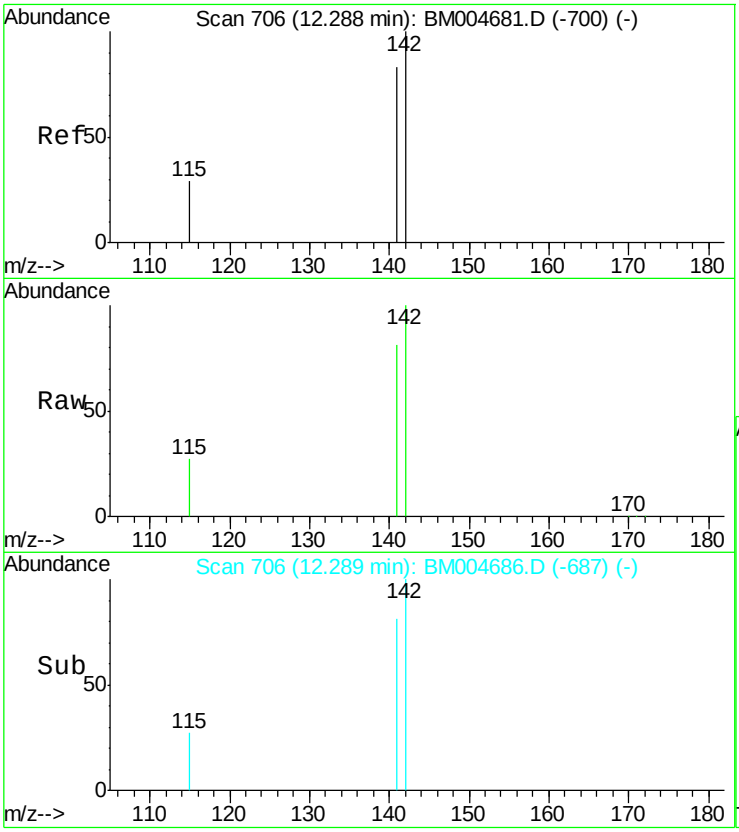


#8
Naphthalene
Concen: 9.25 ng
RT: 10.66 min Scan# 563
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:128 Resp: 320313

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.9	13.3
127	13.3	11.3	16.9

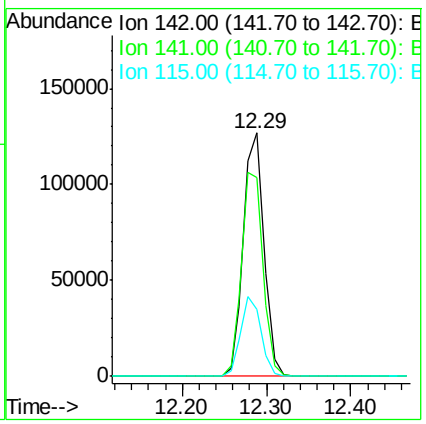




#9
2-Methylnaphthalene
Concen: 9.88 ng
RT: 12.29 min Scan# 706
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:142 Resp: 214292

Ion	Ratio	Lower	Upper
142	100		
141	81.4	66.2	99.2
115	27.4	23.8	35.8



Instrument :
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ClientSampleId :
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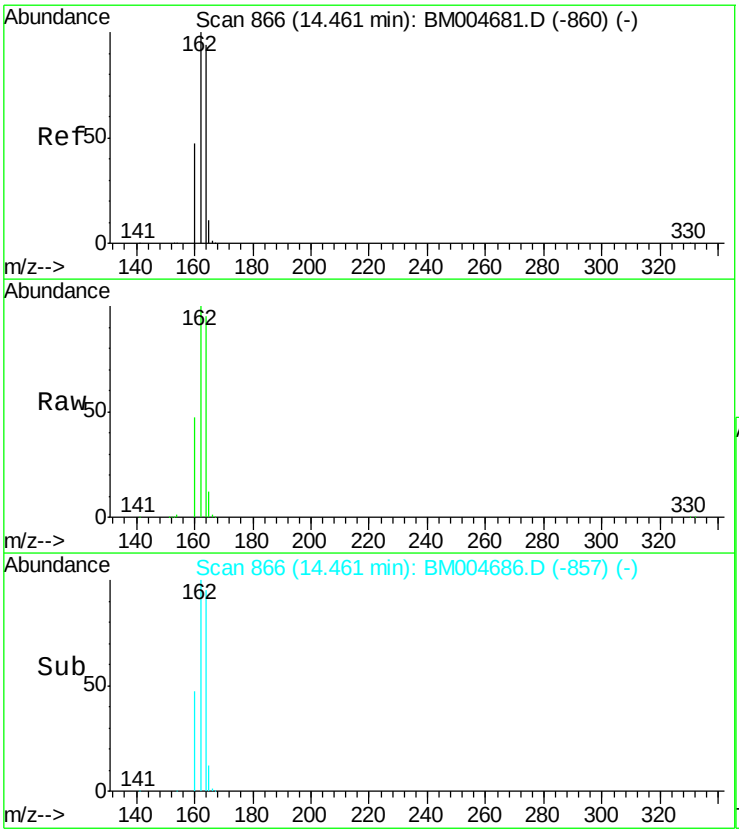
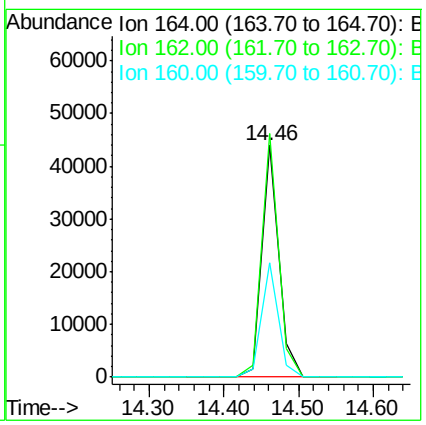
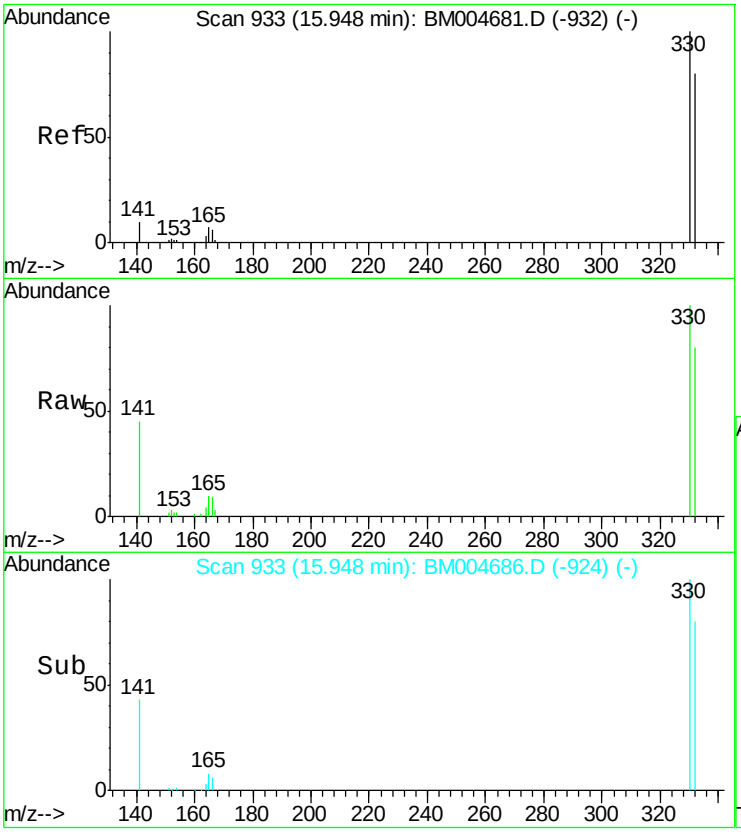


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.46 min Scan# 866
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:164 Resp: 68731

Ion	Ratio	Lower	Upper
164	100		
162	105.2	85.4	128.0
160	49.2	40.2	60.2

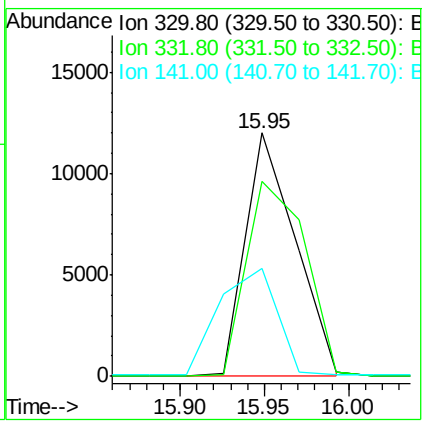




#11
2,4,6-Tribromophenol
Concen: 10.75 ng m
RT: 15.95 min Scan# 933
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:330 Resp: 24468

Ion	Ratio	Lower	Upper
330	100		
332	96.3	93.9	140.9
141	51.4	42.2	63.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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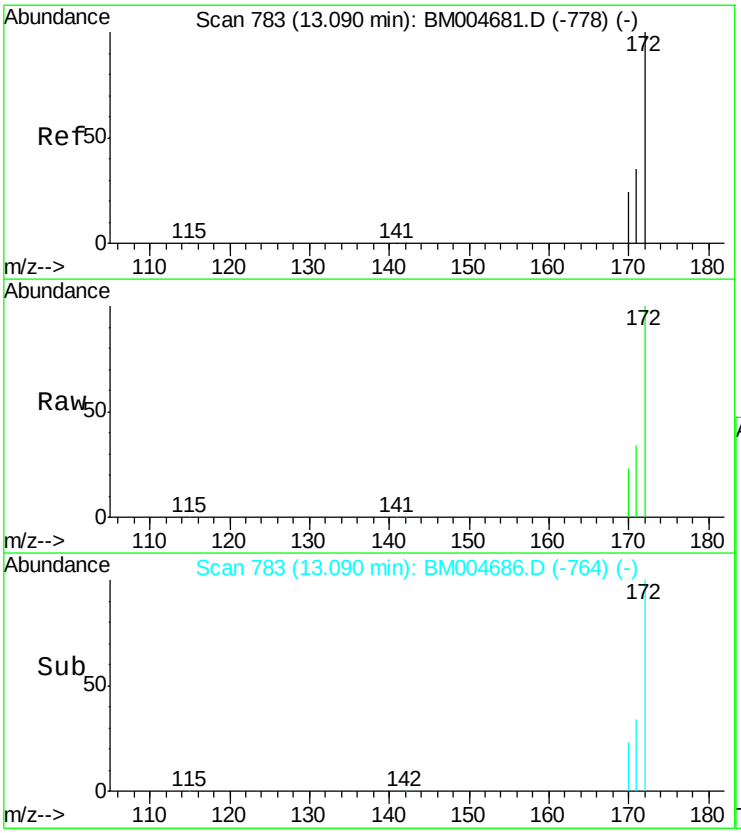
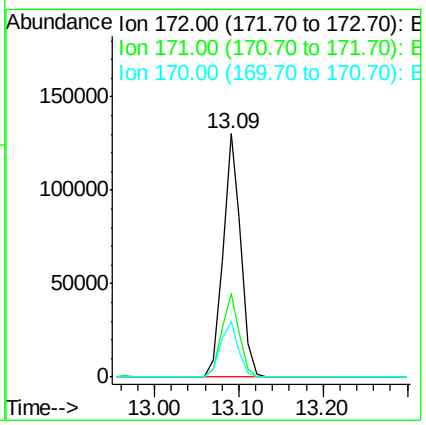
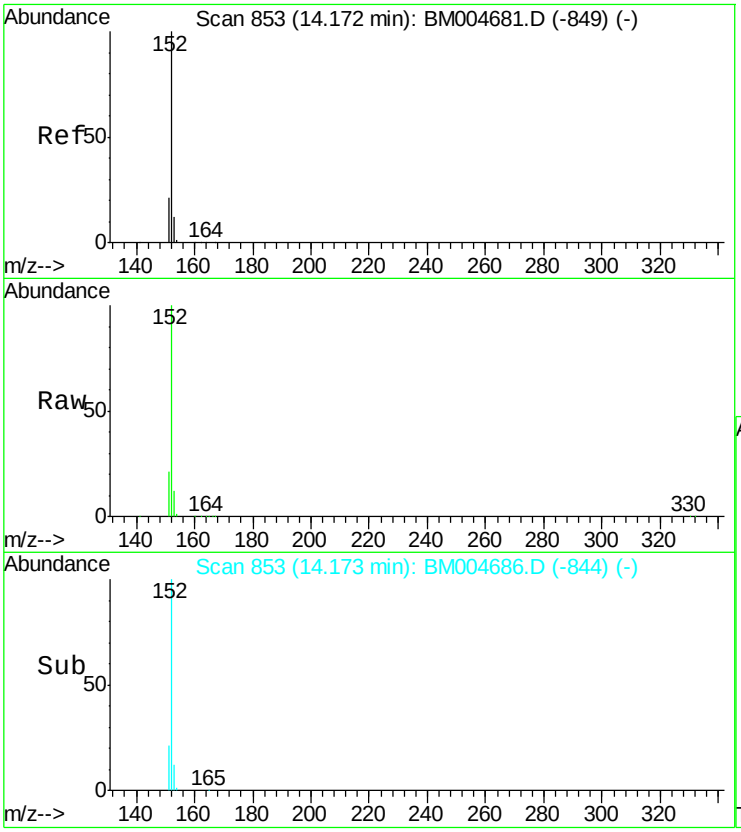


#12
2-Fluorobiphenyl
Concen: 9.74 ng
RT: 13.09 min Scan# 783
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:172 Resp: 191620

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	23.0	19.4	29.2

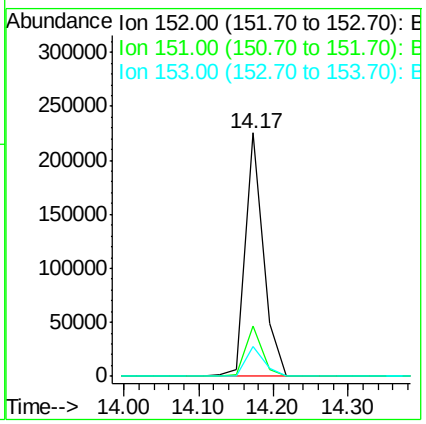




#13
Acenaphthylene
Concen: 10.65 ng
RT: 14.17 min Scan# 853
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:152 Resp: 376584

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.8	10.2	15.2



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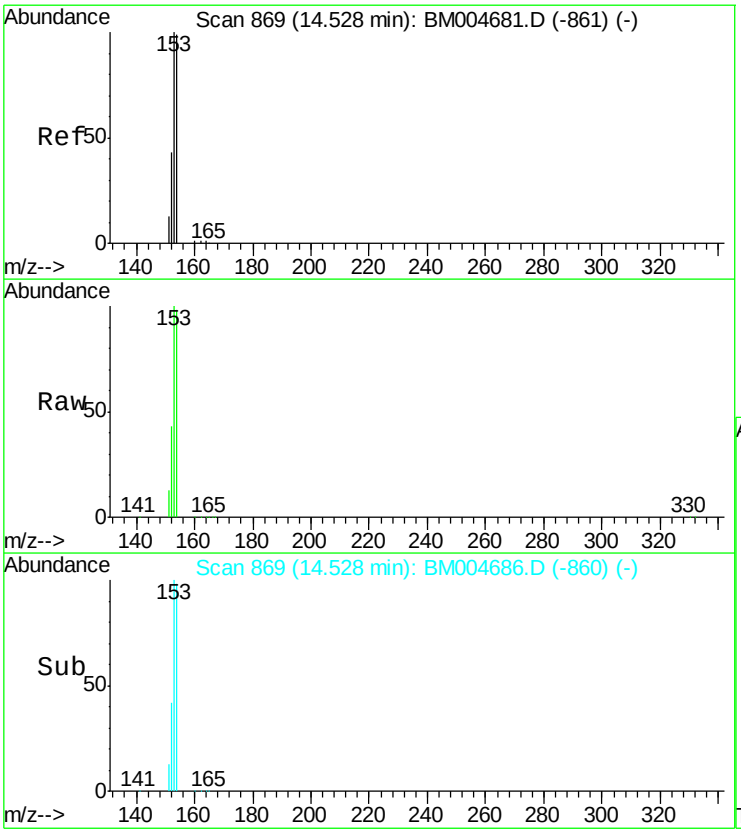
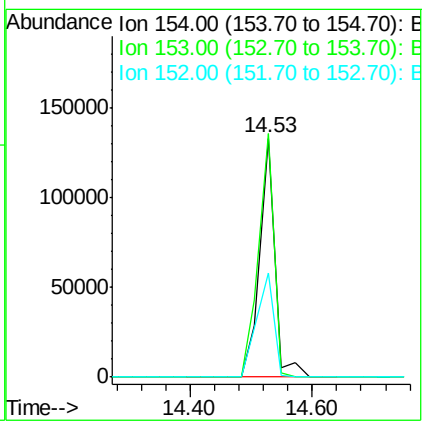
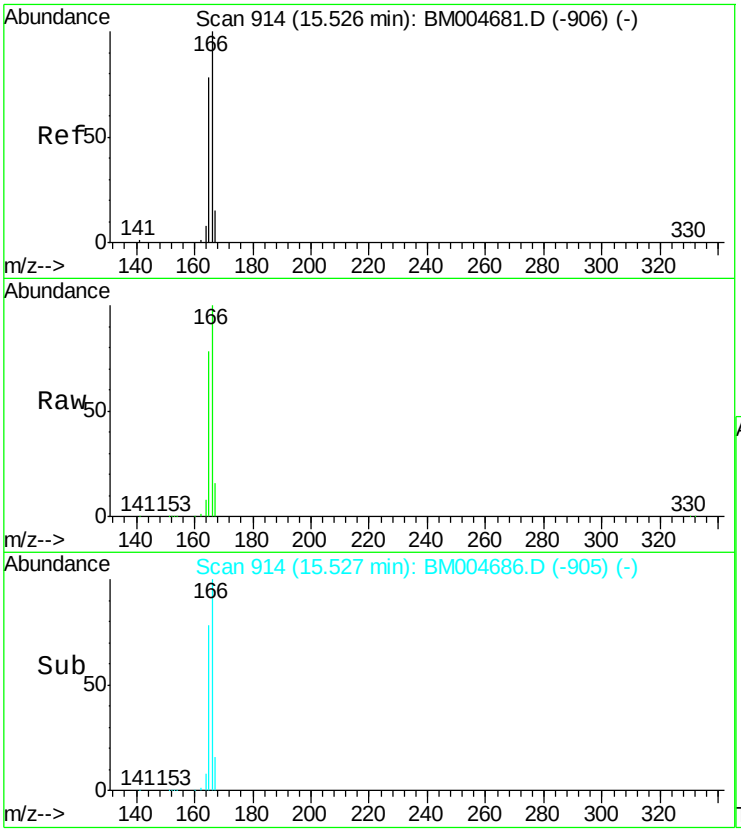


#14
Acenaphthene
Concen: 9.99 ng
RT: 14.53 min Scan# 869
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:154 Resp: 233749

Ion	Ratio	Lower	Upper
154	100		
153	103.3	83.8	125.6
152	49.1	40.3	60.5

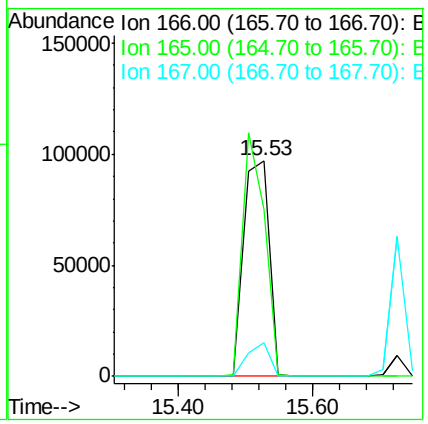




#15
Fluorene
Concen: 9.68 ng
RT: 15.53 min Scan# 914
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:166 Resp: 253917

Ion	Ratio	Lower	Upper
166	100		
165	0.0	0.0	0.0
167	13.6	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
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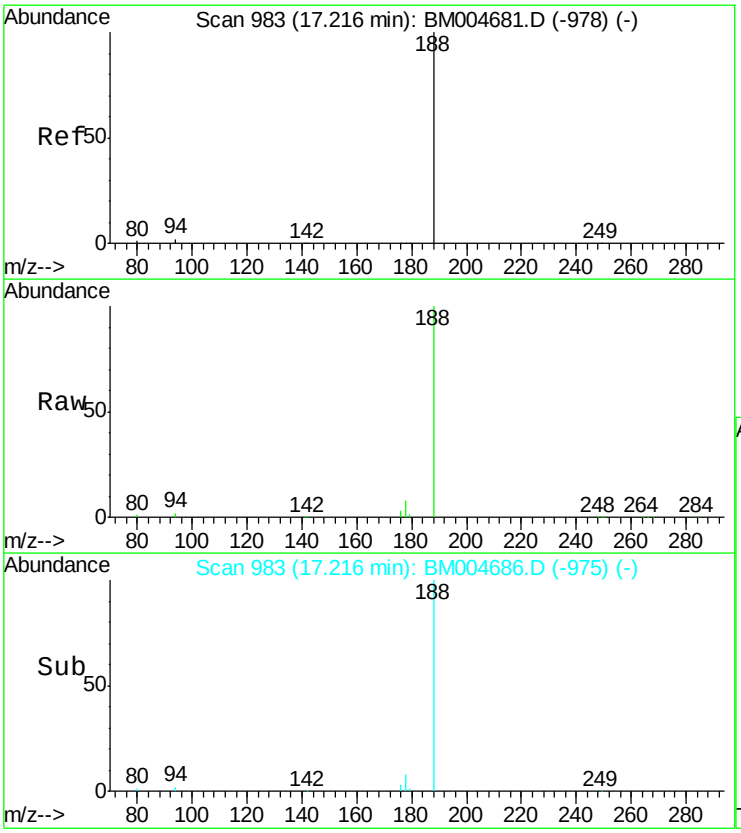
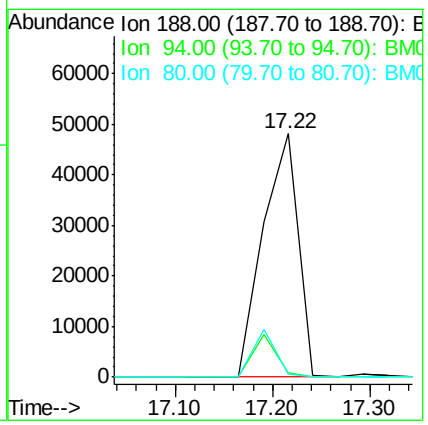
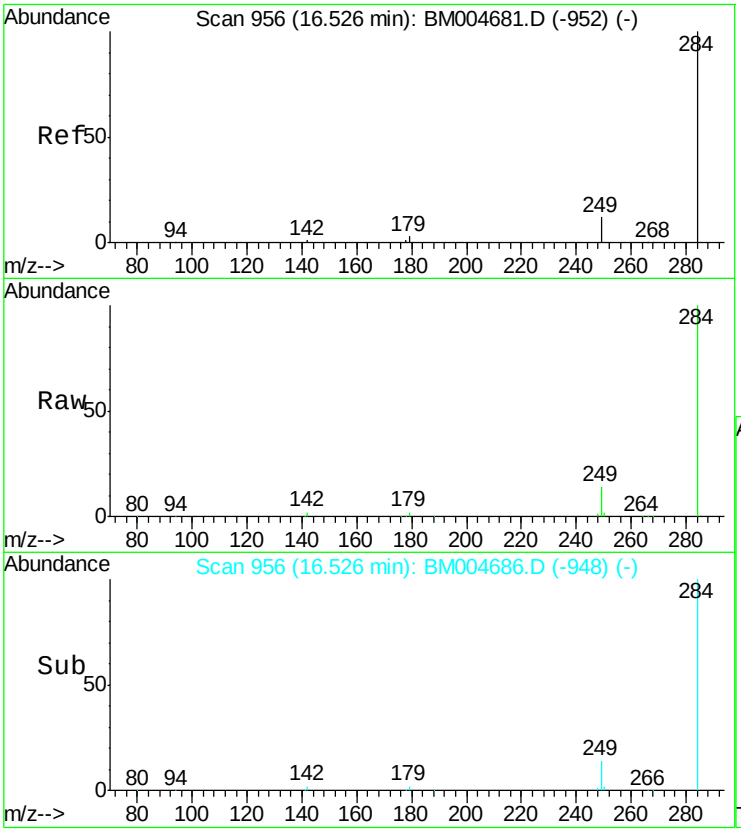


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.22 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:188 Resp: 121409

Ion	Ratio	Lower	Upper
188	100		
94	1.7	1.4	2.0
80	1.3	1.0	1.6

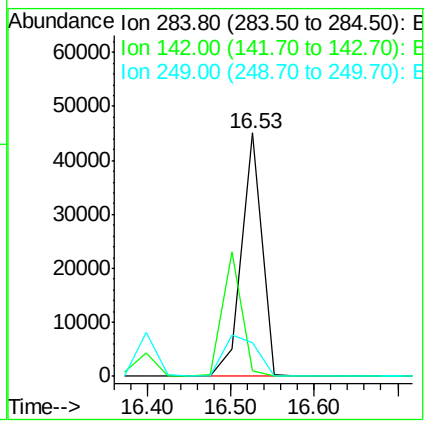




#17
Hexachlorobenzene
Concen: 10.31 ng
RT: 16.53 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:284 Resp: 77045

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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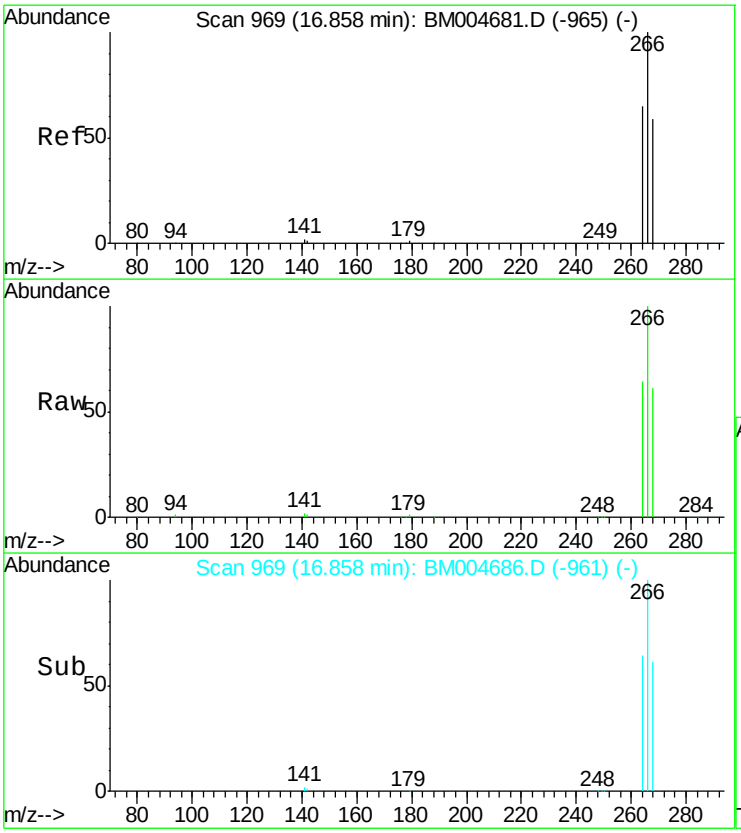
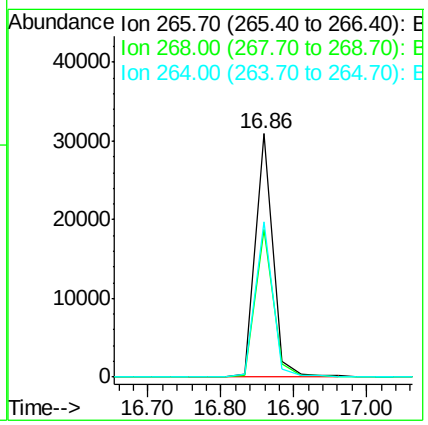
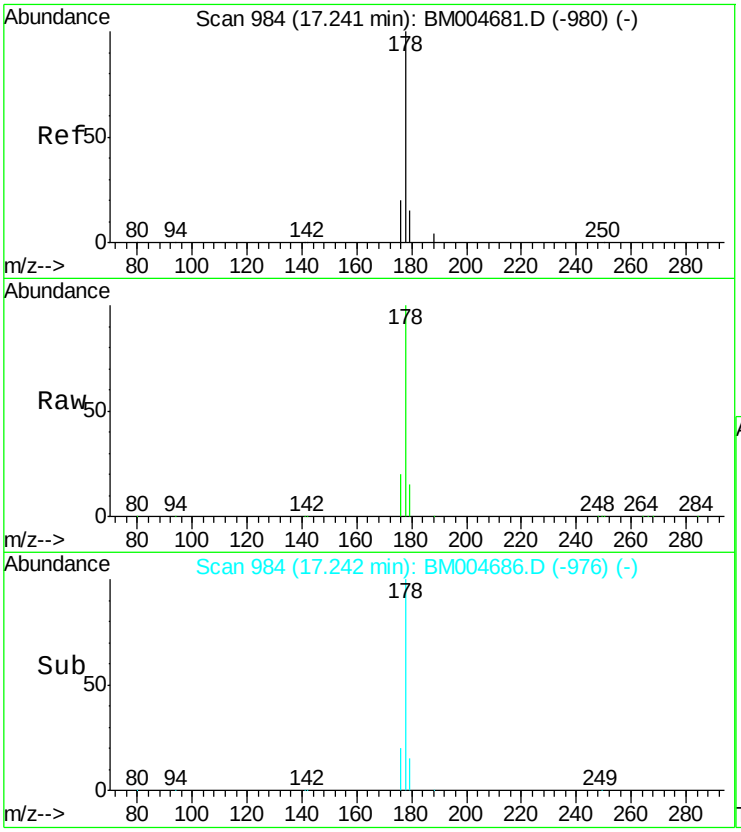


#18
Pentachlorophenol
Concen: 12.24 ng
RT: 16.86 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:266 Resp: 51745

Ion	Ratio	Lower	Upper
266	100		
268	60.8	49.1	73.7
264	64.0	52.9	79.3

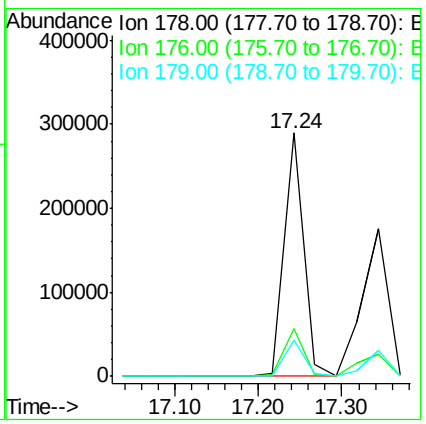




#19
Phenanthrene
Concen: 9.70 ng
RT: 17.24 min Scan# 984
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:178 Resp: 471917

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.1	12.2	18.4



Instrument :
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ClientSampleId :
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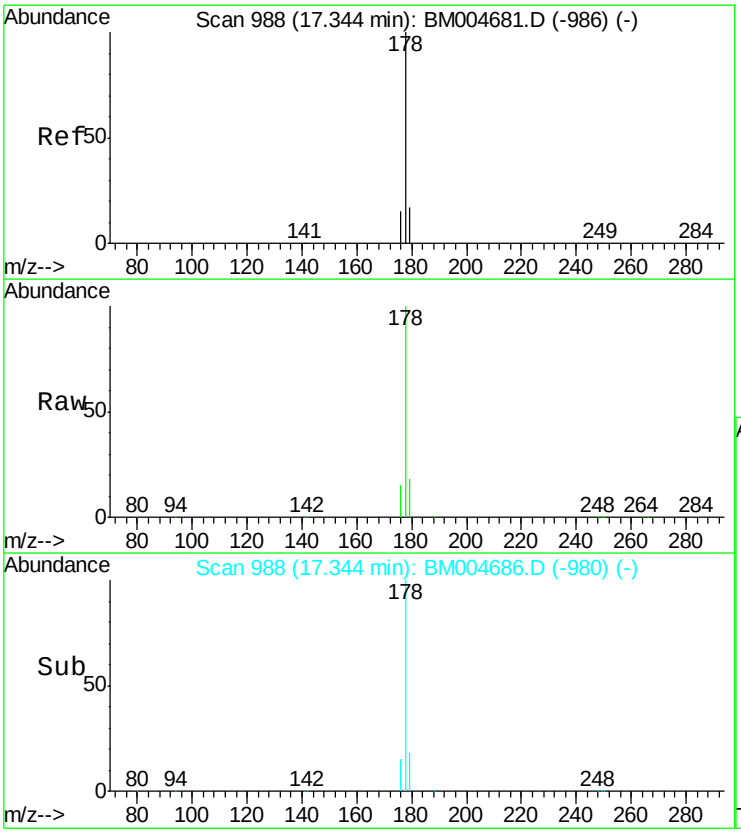
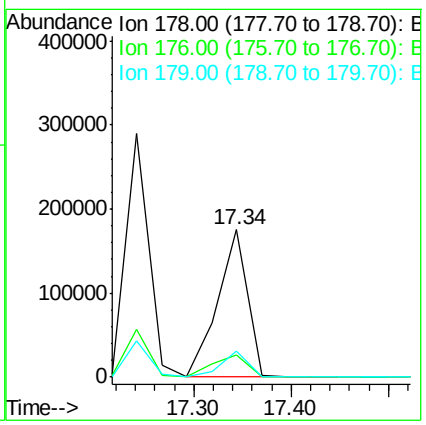
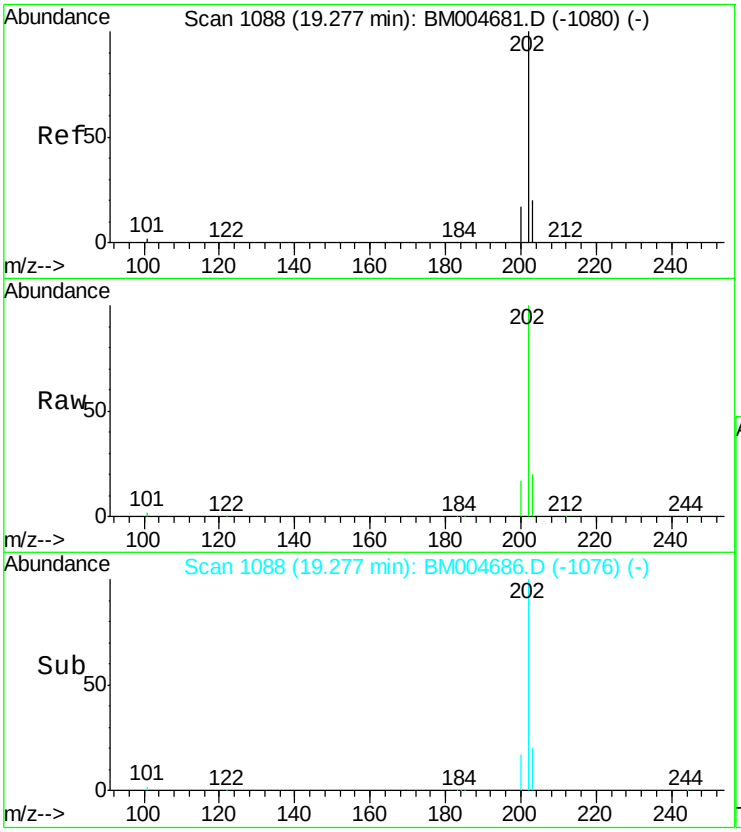


#20
Anthracene
Concen: 10.70 ng
RT: 17.34 min Scan# 988
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:178 Resp: 371294

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	16.0	12.6	18.8

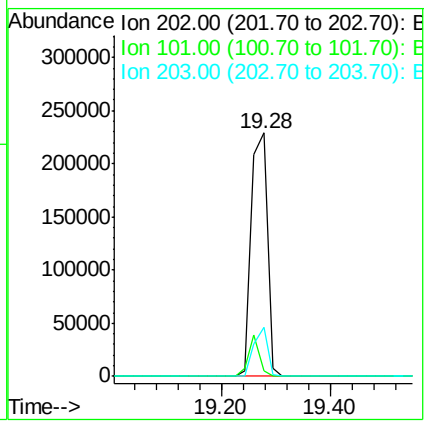




#21
Fluoranthene
Concen: 10.14 ng
RT: 19.28 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:202 Resp: 466350

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.7	13.1
203	17.5	14.1	21.1



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ClientSampleId :
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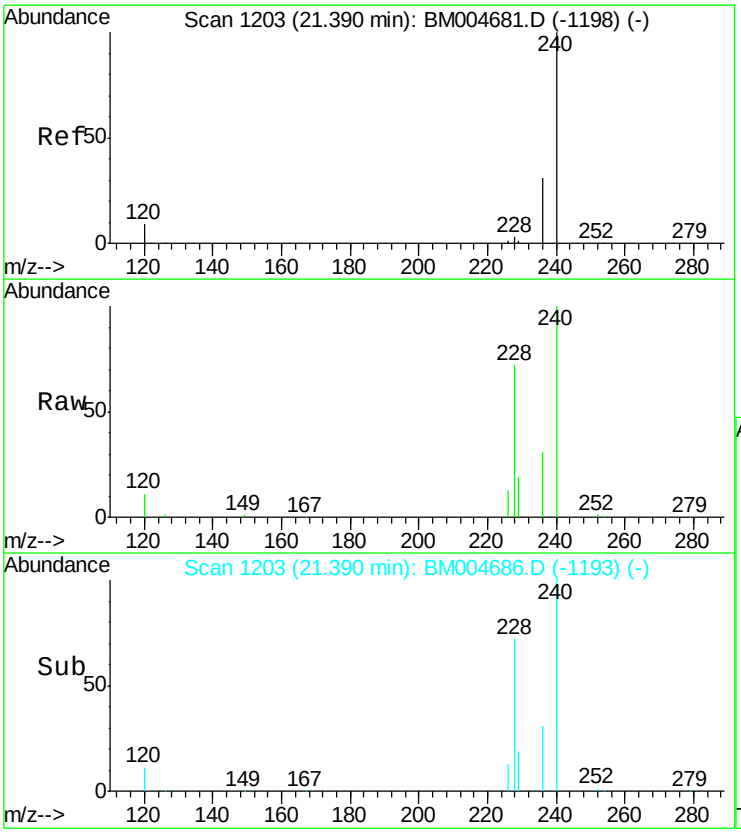
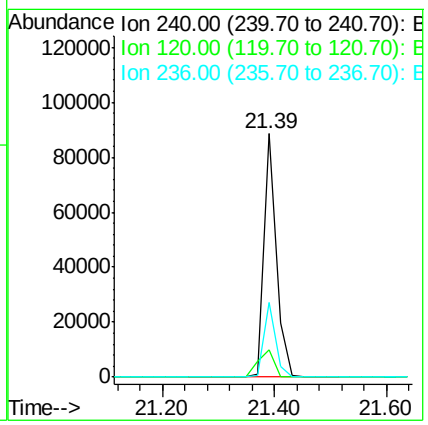
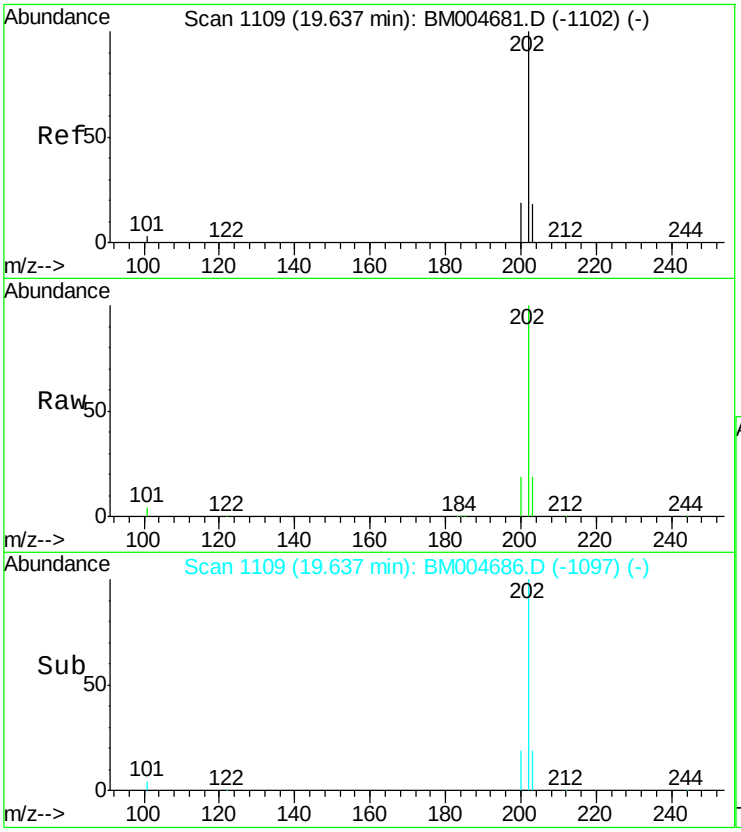


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.39 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:240 Resp: 135807

Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.4	11.2
236	30.6	24.5	36.7

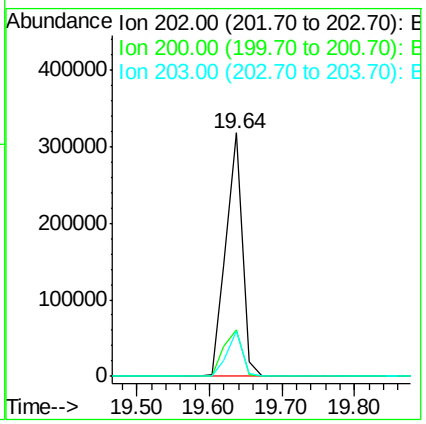




#23
Pyrene
Concen: 9.99 ng
RT: 19.64 min Scan# 1109
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:202 Resp: 498058

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.5	13.9	20.9



Instrument :
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ClientSampleId :
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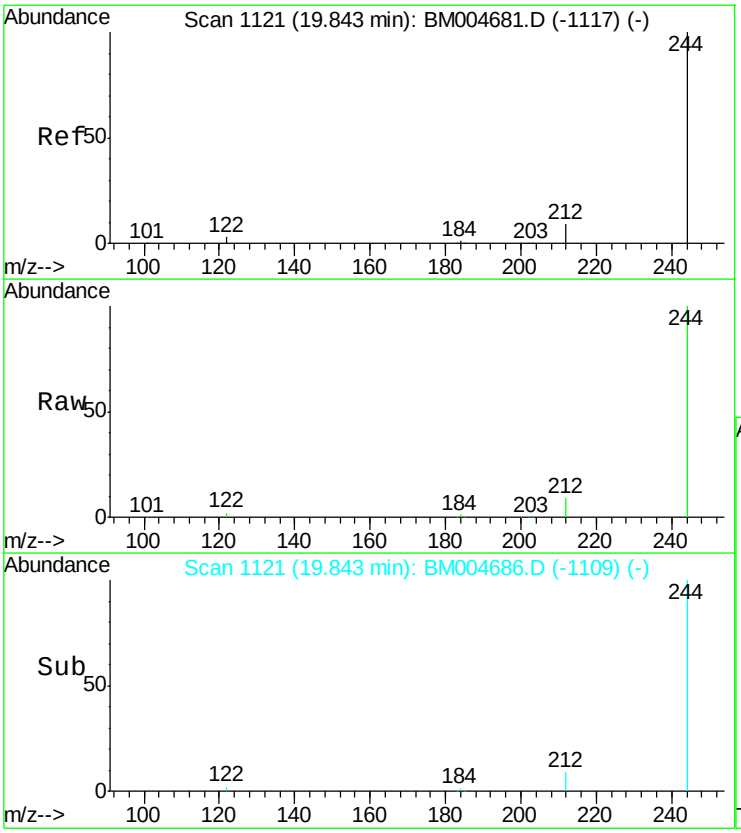
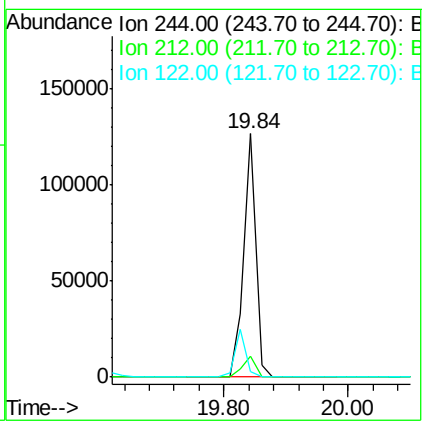
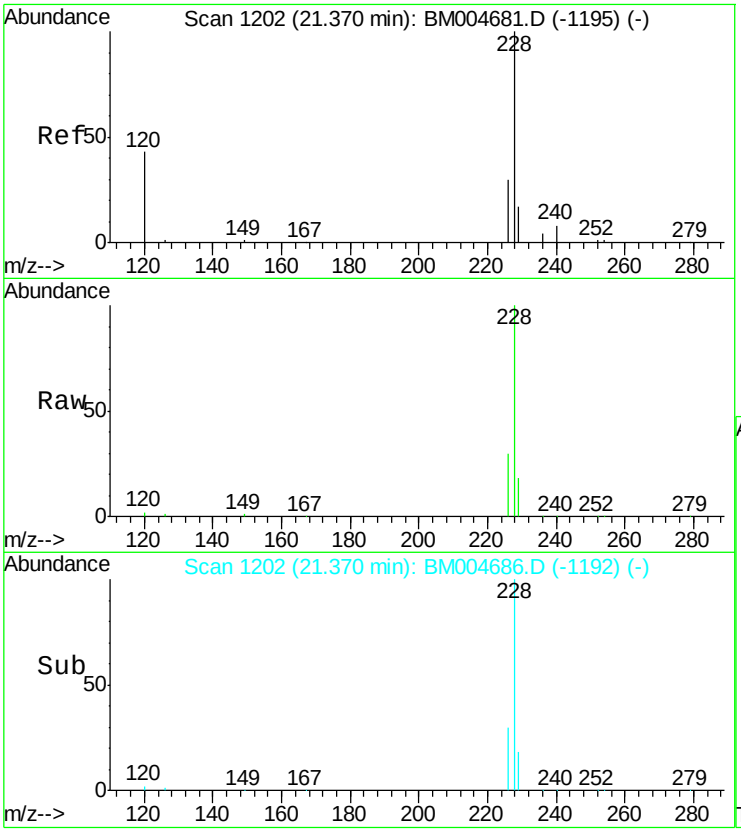


#24
Terphenyl-d14
Concen: 9.98 ng
RT: 19.84 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:244 Resp: 171393

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.7	11.5
122	2.4	3.4	5.0#

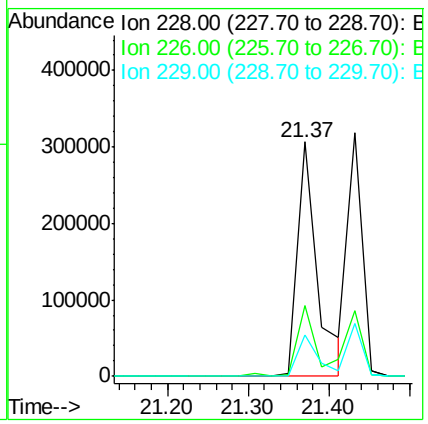




#25
Benzo(a)anthracene
Concen: 9.61 ng
RT: 21.37 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:228 Resp: 522160

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	17.9	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
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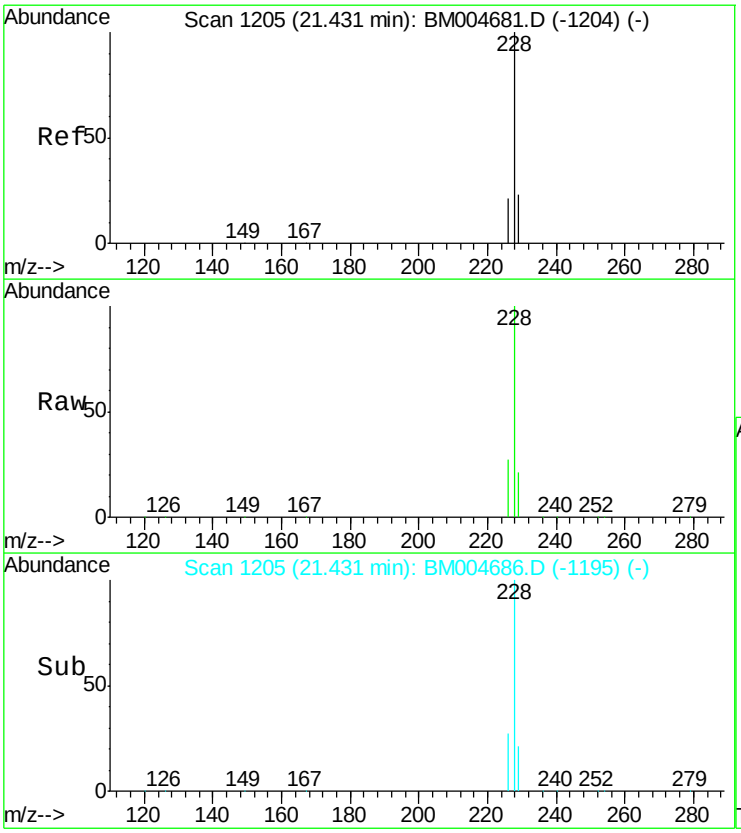
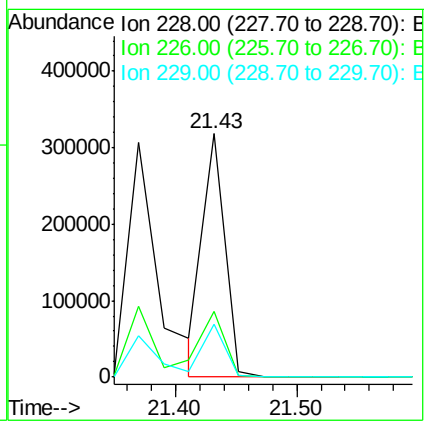
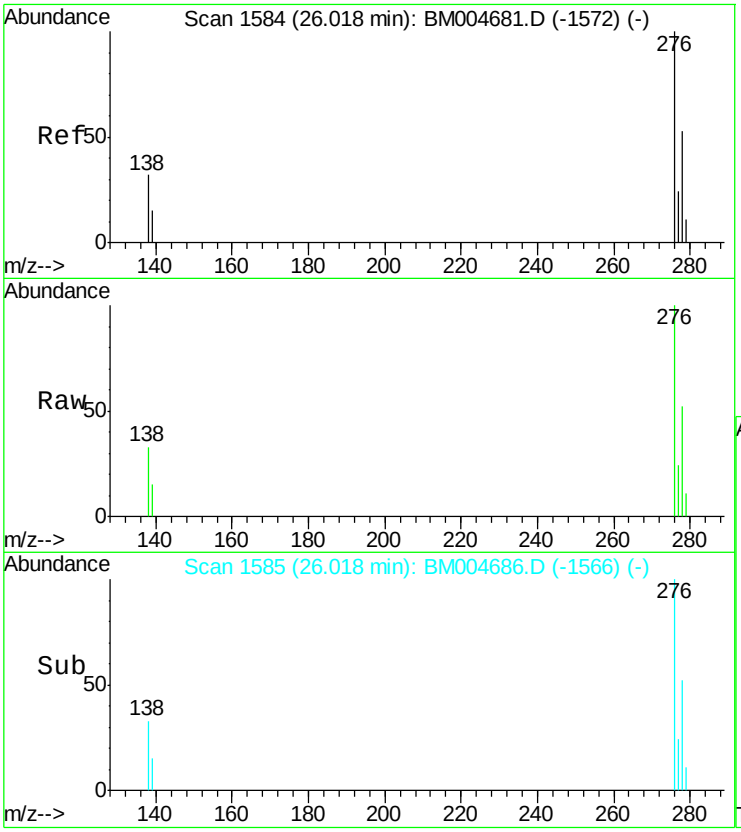


#26
Chrysene
Concen: 9.92 ng
RT: 21.43 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:228 Resp: 400994

Ion	Ratio	Lower	Upper
228	100		
226	26.8	20.9	31.3
229	21.5	17.4	26.2

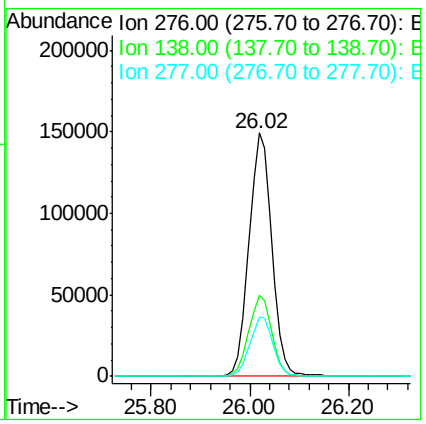




#27
Indeno(1,2,3-cd)pyrene
Concen: 10.22 ng
RT: 26.02 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:276 Resp: 464774

Ion	Ratio	Lower	Upper
276	100		
138	33.6	25.9	38.9
277	24.7	19.8	29.6



Instrument :
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ClientSampleId :
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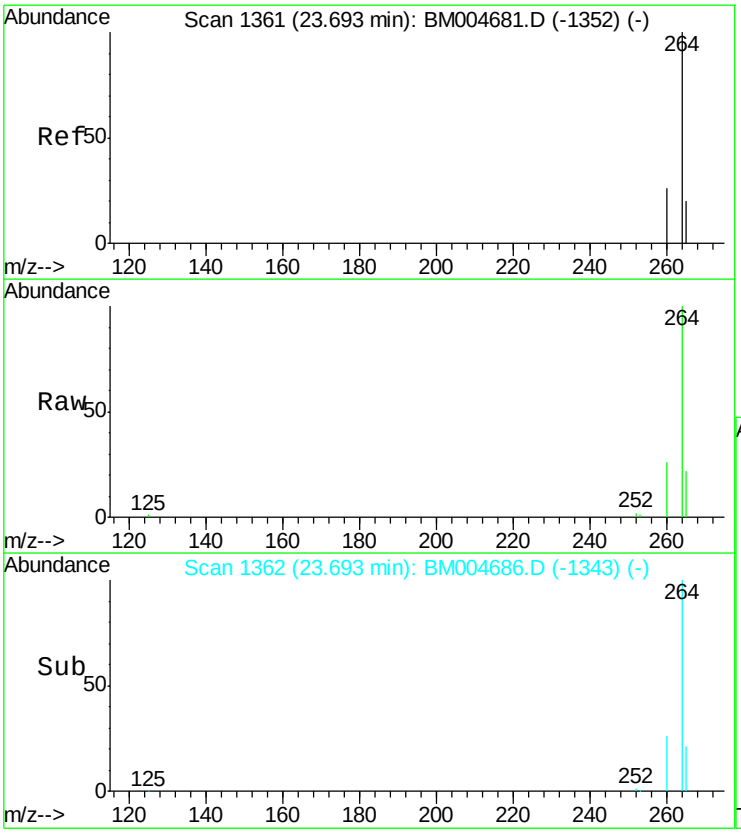
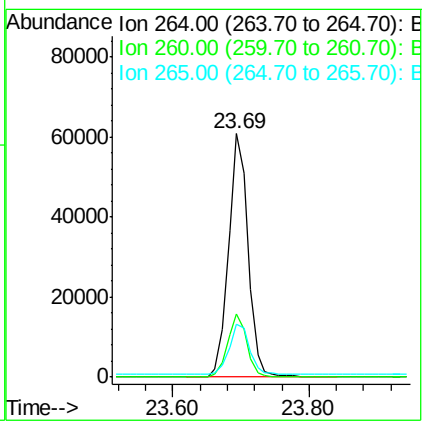
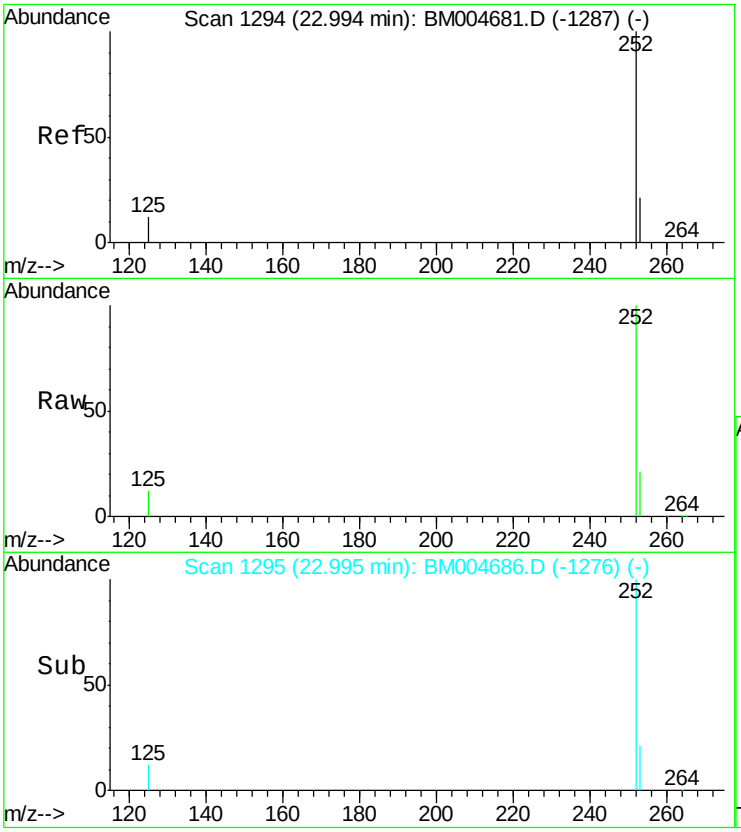


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.69 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:264 Resp: 120776

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.0	31.4
265	21.8	17.5	26.3





#29
Benzo(b)fluoranthene
Concen: 10.88 ng
RT: 22.99 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:252 Resp: 478144

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.9	26.9
125	12.4	11.4	17.0

Instrument :
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ClientSampleId :
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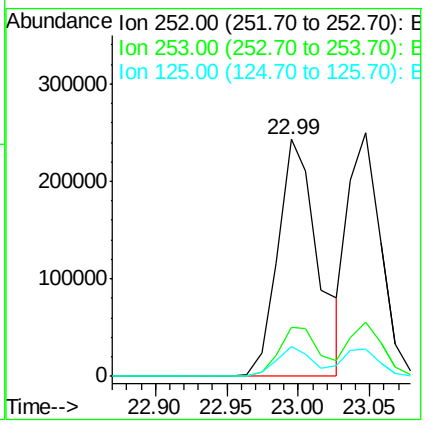
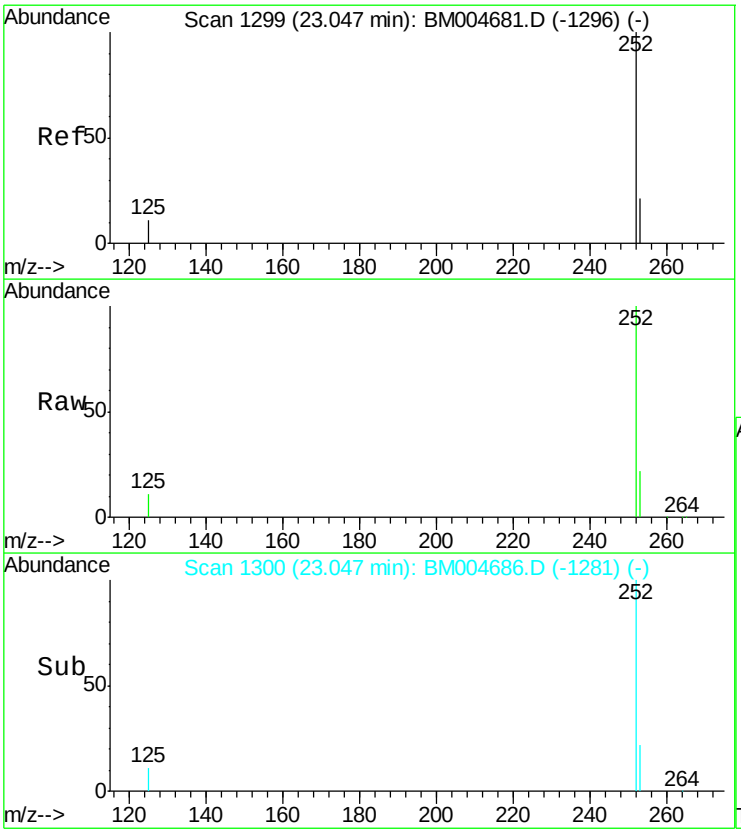
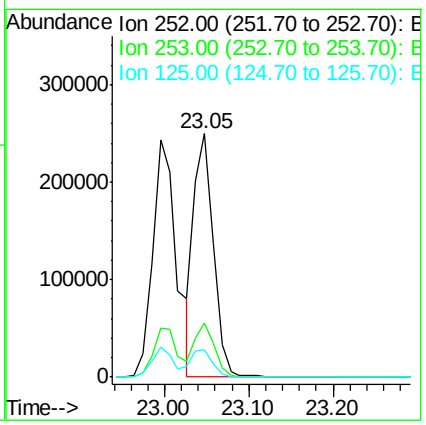


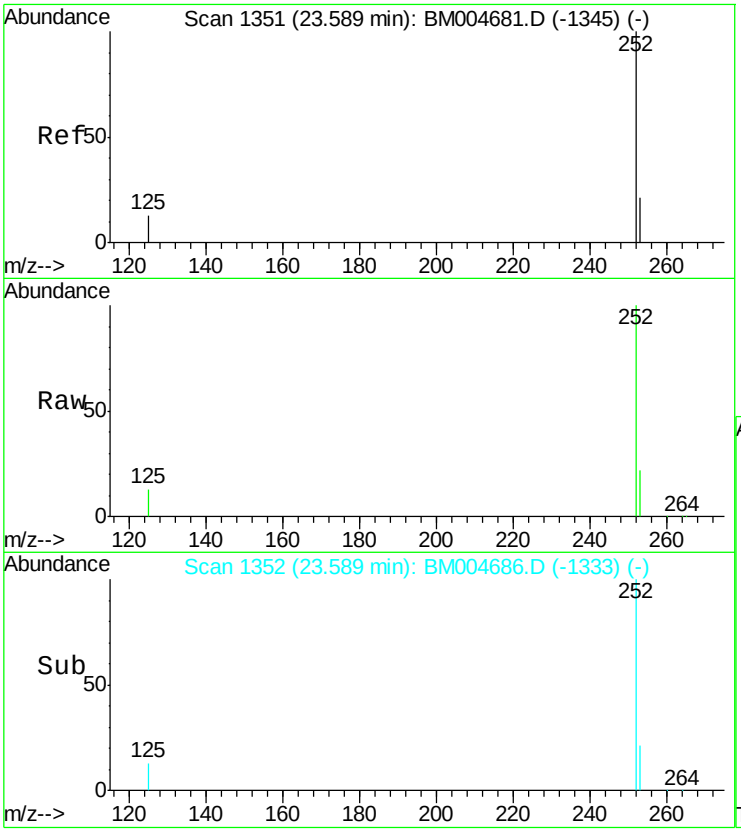


#30
Benzo(k)fluoranthene
Concen: 9.10 ng
RT: 23.05 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:252 Resp: 396074

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.3	28.9
125	11.5	10.6	15.8

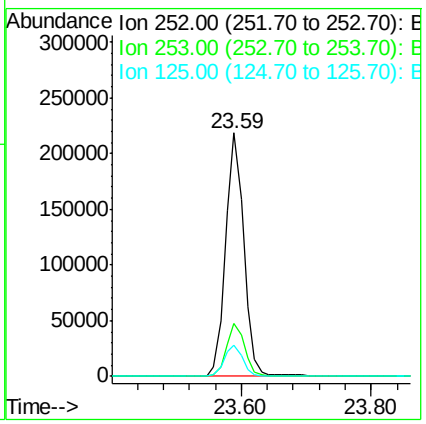




#31
Benzo(a)pyrene
Concen: 10.22 ng
RT: 23.59 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:252 Resp: 421281

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.6	28.0
125	12.9	12.3	18.5



Instrument :
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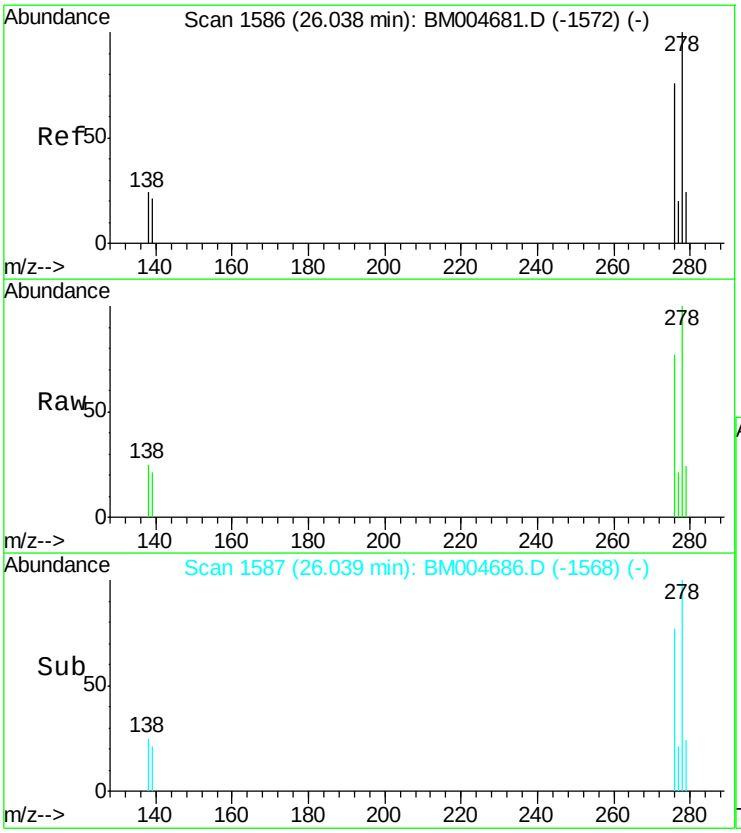
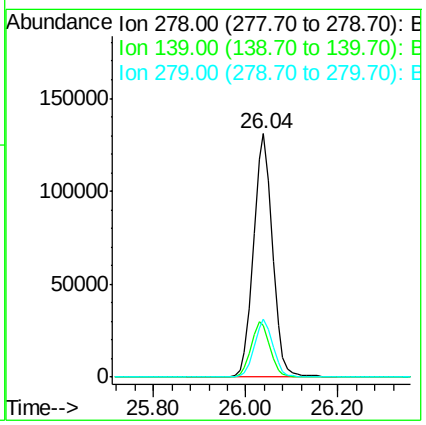
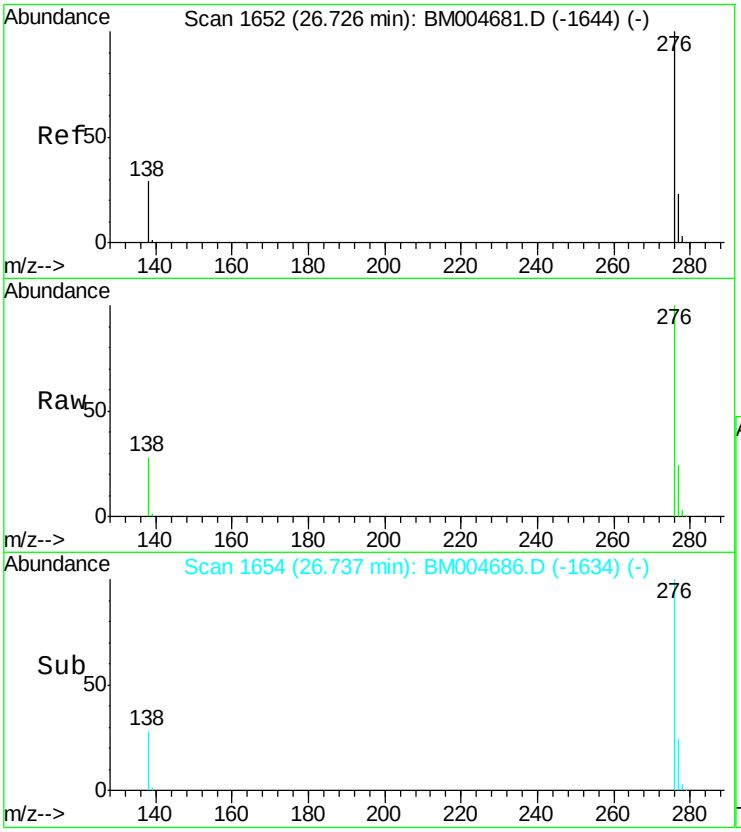


#32
Dibenzo(a,h)anthracene
Concen: 10.15 ng
RT: 26.04 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:278 Resp: 374357

Ion	Ratio	Lower	Upper
278	100		
139	21.2	17.6	26.4
279	23.6	19.9	29.9

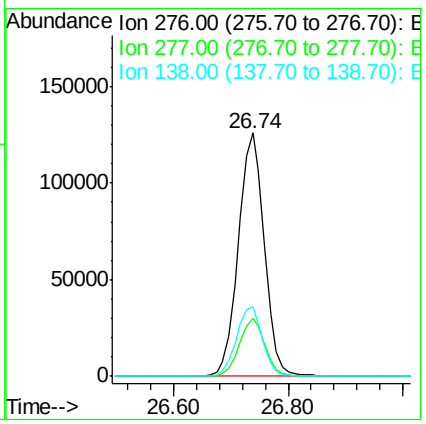




#33
Benzo(g,h,i)perylene
Concen: 10.11 ng
RT: 26.74 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BM004686.D
Acq: 18 Mar 2016 17:08

Tgt Ion:276 Resp: 393816

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	28.3	24.5	36.7



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