Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
Data File : BM004687.D
Acq On : 18 Mar 2016 17:44
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ICVBM031816

Manual Integrations APPROVED
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Quant Time: Mar 19 07:55:07 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 07:50:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	28599	5.00	ng		0.00
6) Naphthalene-d8	10.63	136	116175	5.00	ng		0.00
10) Acenaphthene-d10	14.46	164	64269	5.00	ng		0.00
16) Phenanthrene-d10	17.22	188	114848	5.00	ng		0.00
22) Chrysene-d12	21.39	240	142330	5.00	ng		0.00
28) Perylene-d12	23.69	264	120684	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.42	112	3028	0.46	ng		0.00
5) Phenol-d6	6.99	99	3565	0.44	ng		0.00
7) Nitrobenzene-d5	8.99	82	2472	0.44	ng		0.00
11) 2,4,6-Tribromophenol	15.95	330	831m	0.39	ng		0.00
12) 2-Fluorobiphenyl	13.09	172	8567	0.47	ng		0.00
24) Terphenyl-d14	19.84	244	7360	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	1331	0.46	ng		96
3) n-Nitrosodimethylamine	3.66	42	1420	0.48	ng		98
8) Naphthalene	10.66	128	14542	0.46	ng		100
9) 2-Methylnaphthalene	12.29	142	9296	0.46	ng		100
13) Acenaphthylene	14.17	152	14139	0.43	ng		100
14) Acenaphthene	14.53	154	10019	0.46	ng		99
15) Fluorene	15.50	166	10948	0.45	ng	#	67
17) Hexachlorobenzene	16.53	284	3377	0.48	ng	#	100
18) Pentachlorophenol	16.86	266	1532	0.46	ng		99
19) Phenanthrene	17.24	178	22026	0.48	ng		100
20) Anthracene	17.34	178	14651	0.45	ng		100
21) Fluoranthene	19.26	202	19902	0.46	ng		100
23) Pyrene	19.64	202	21168	0.41	ng		99
25) Benzo(a)anthracene	21.37	228	21139m	0.37	ng		
26) Chrysene	21.43	228	19879m	0.47	ng		
27) Indeno(1,2,3-cd)pyrene	26.02	276	20611	0.43	ng		100
29) Benzo(b)fluoranthene	22.99	252	19572	0.45	ng		99
30) Benzo(k)fluoranthene	23.04	252	19701	0.45	ng		95
31) Benzo(a)pyrene	23.59	252	18182	0.44	ng		99
32) Dibenzo(a,h)anthracene	26.04	278	16532	0.45	ng		98
33) Benzo(g,h,i)perylene	26.73	276	17547	0.45	ng		99

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

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Instrument :
BNA_M
ClientSampleId :
ICVBM031816

Manual Integrations APPROVED
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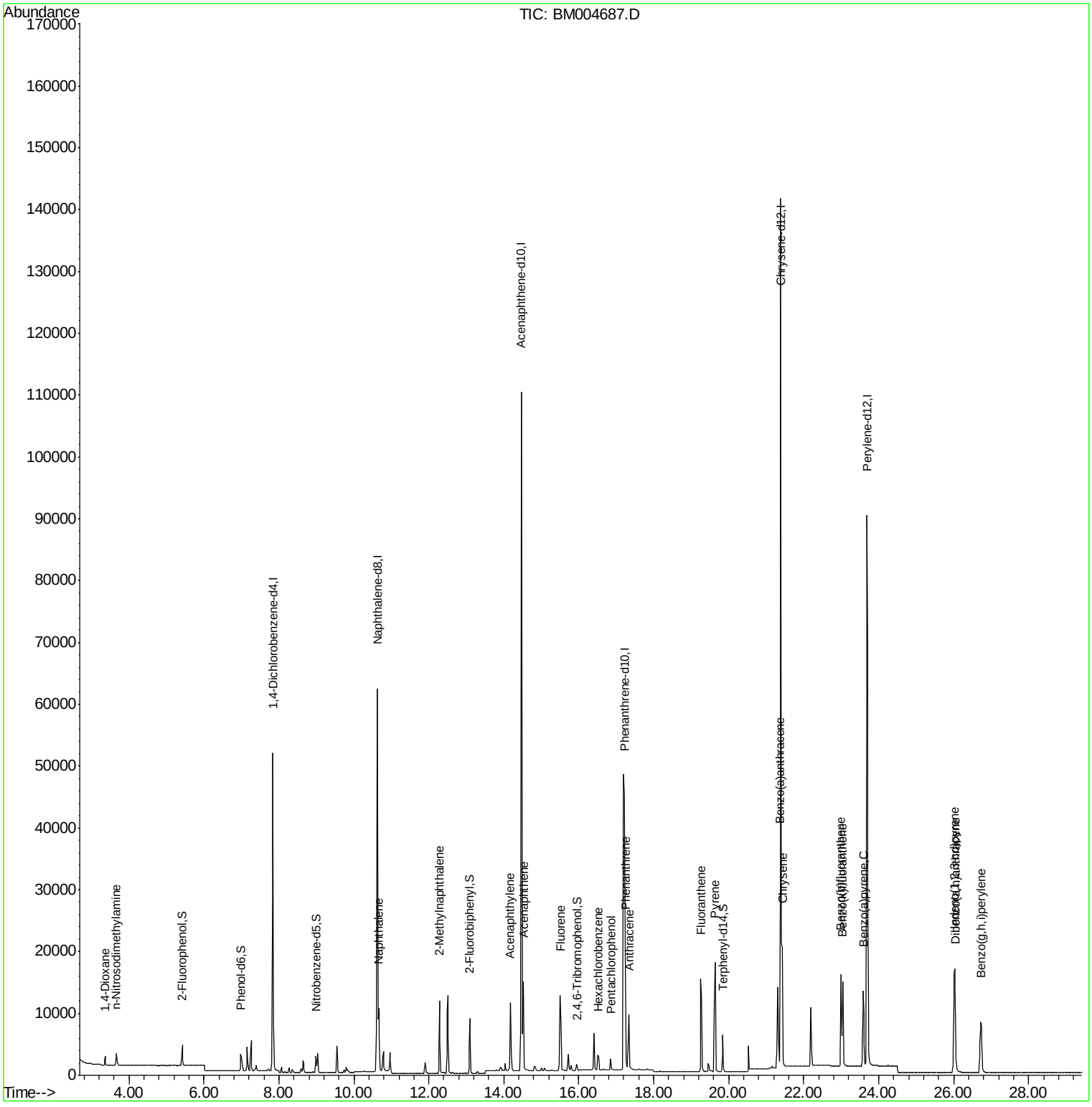
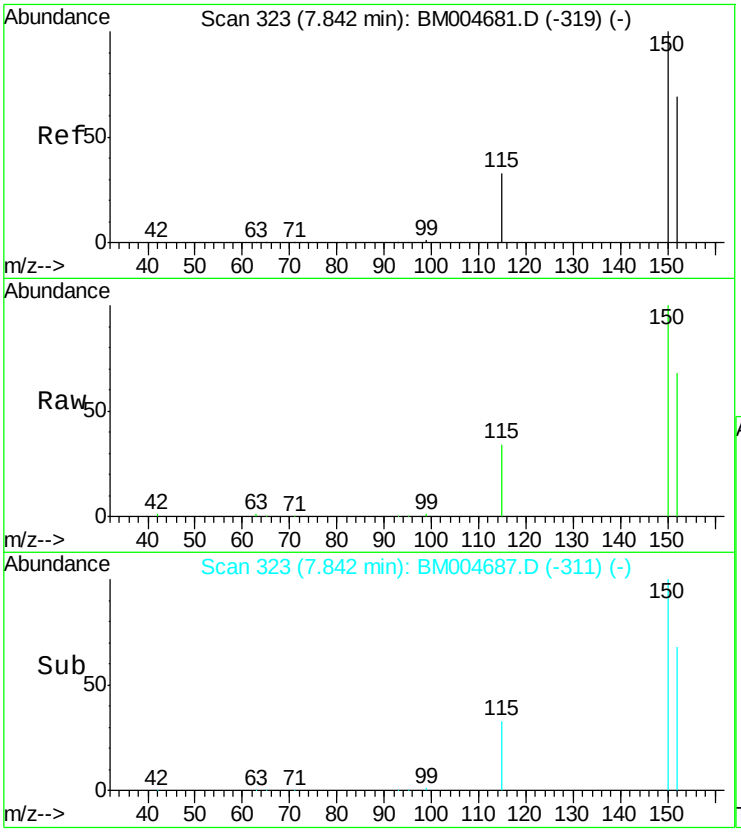
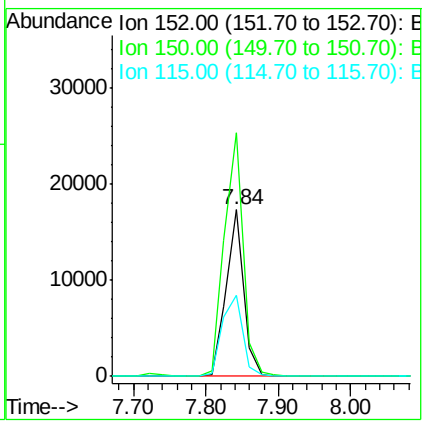




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 323
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:152 Resp: 28599

Ion	Ratio	Lower	Upper
152	100		
150	146.1	115.9	173.9
115	49.0	38.4	57.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031816

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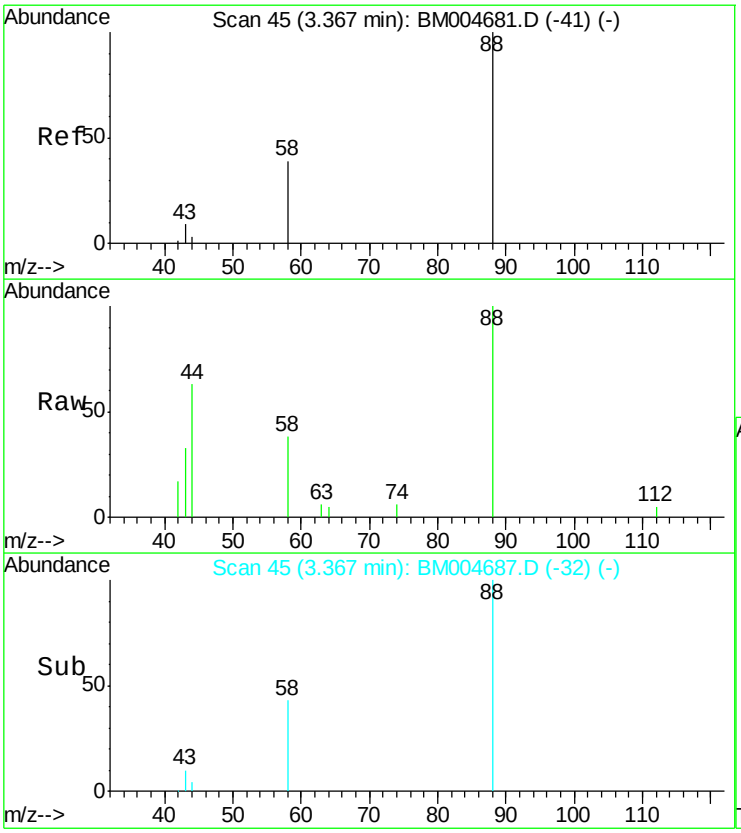
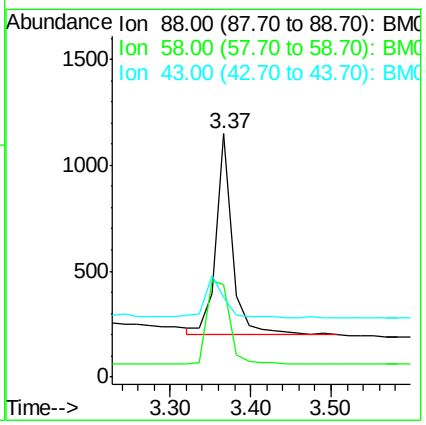
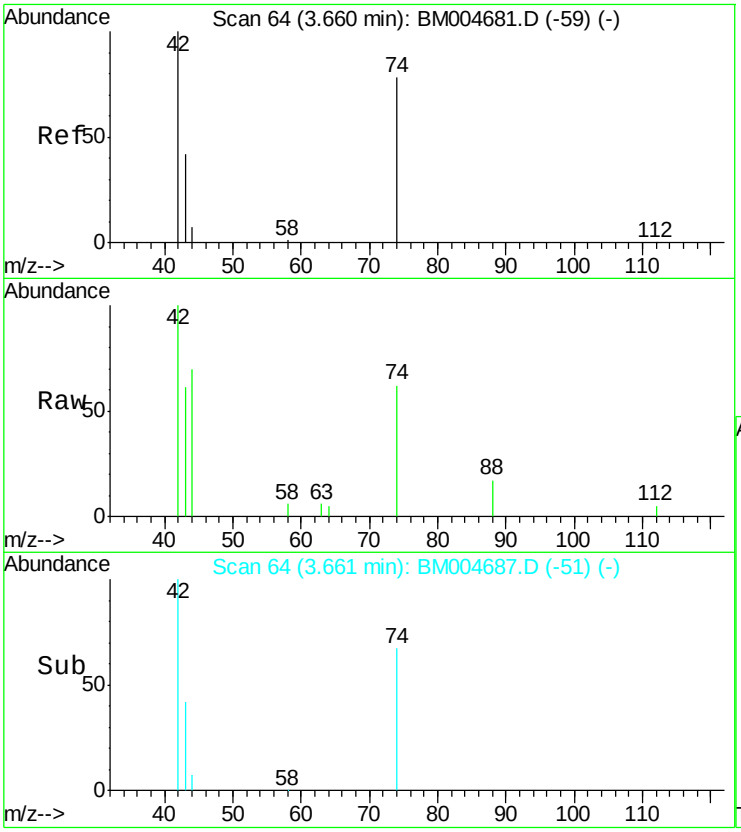


#2
1,4-Dioxane
Concen: 0.46 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion: 88 Resp: 1331

Ion	Ratio	Lower	Upper
88	100		
58	58.4	43.9	65.9
43	24.4	19.9	29.9

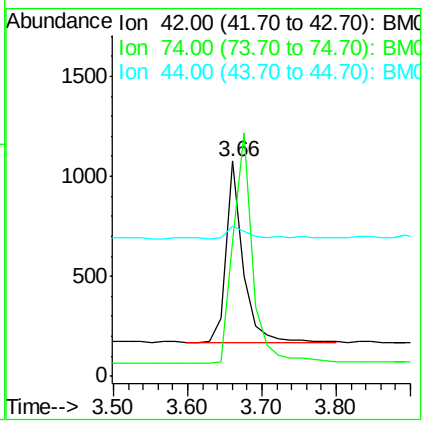




#3
n-Nitrosodimethylamine
Concen: 0.48 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion: 42 Resp: 1420

Ion	Ratio	Lower	Upper
42	100		
74	148.0	120.9	181.3
44	7.5	6.0	9.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031816

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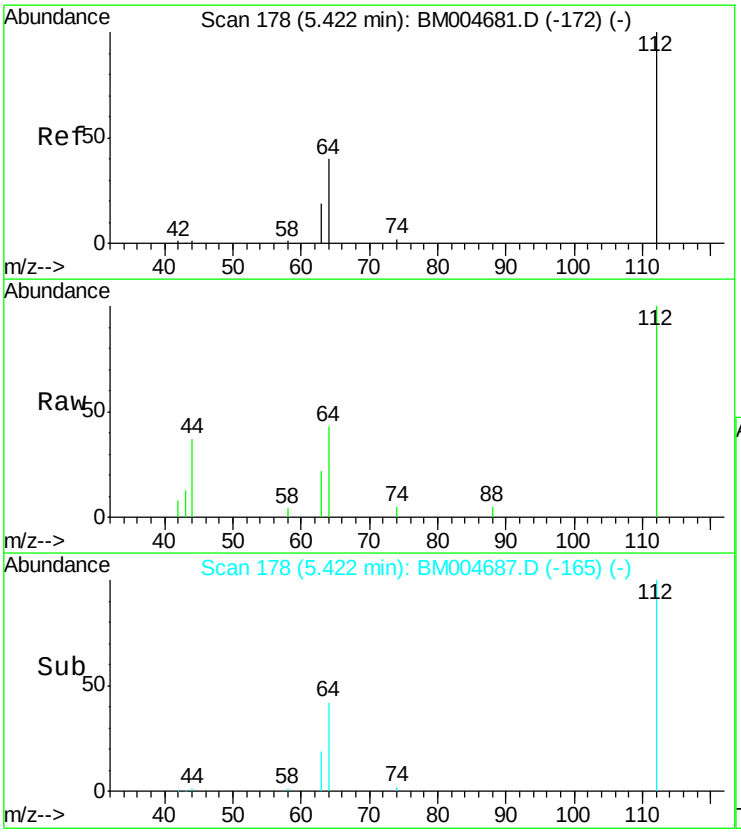
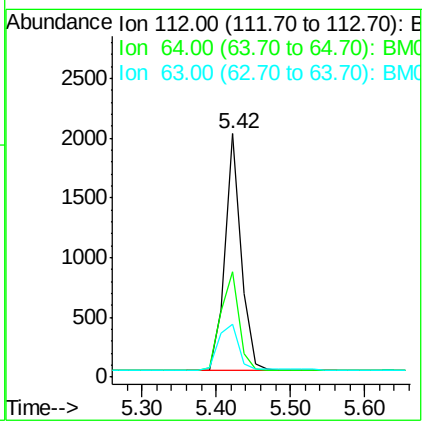
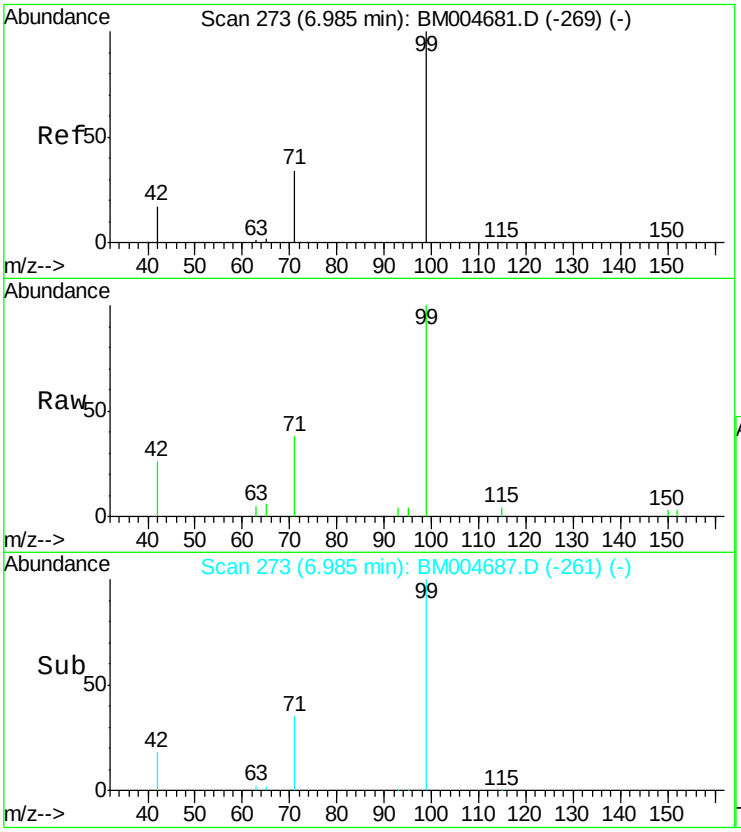


#4
2-Fluorophenol
Concen: 0.46 ng
RT: 5.42 min Scan# 178
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:112 Resp: 3028

Ion	Ratio	Lower	Upper
112	100		
64	46.7	37.0	55.6
63	24.3	19.3	28.9

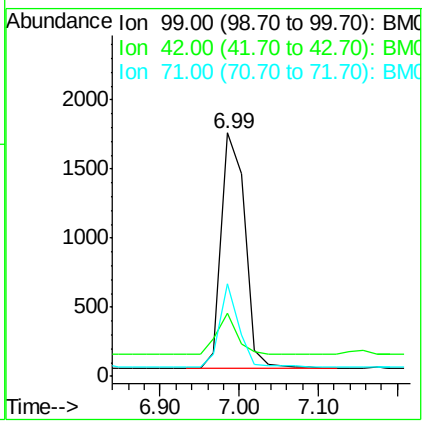




#5
Phenol-d6
Concen: 0.44 ng
RT: 6.99 min Scan# 273
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion: 99 Resp: 3565

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.7	19.1
71	28.4	22.9	34.3



Instrument :
BNA_M
ClientSampleId :
ICVBM031816

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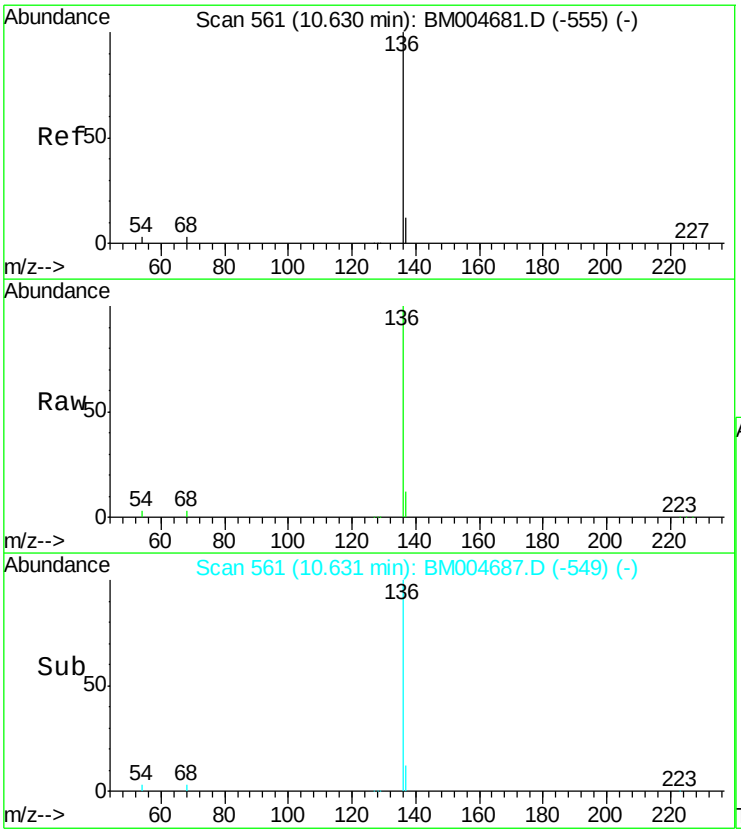
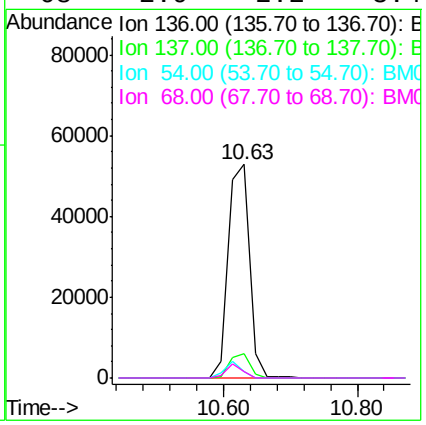
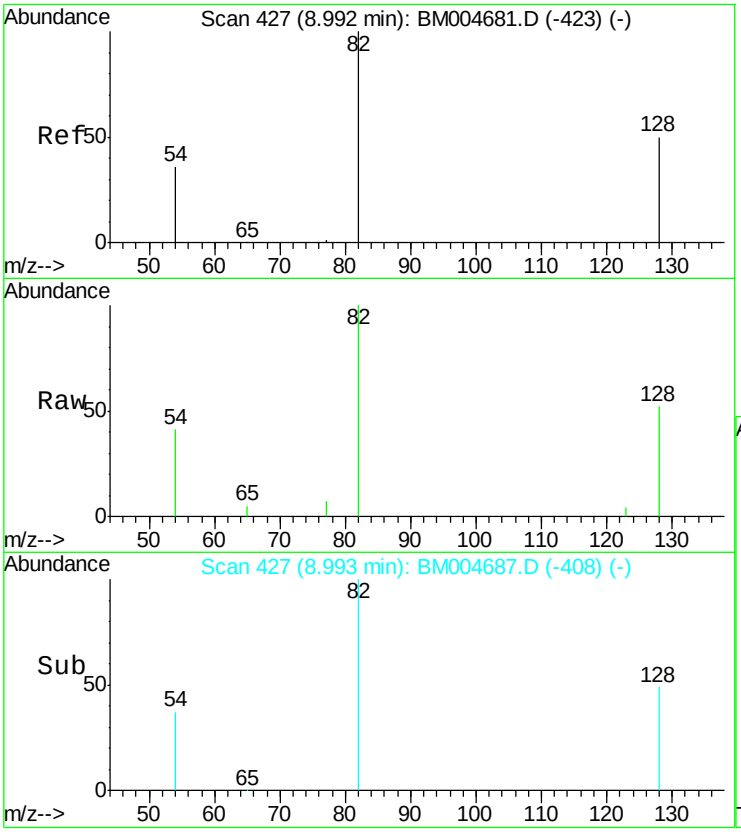


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.63 min Scan# 561
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:136 Resp: 116175

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.2
54	2.8	2.2	3.4
68	2.9	2.2	3.4

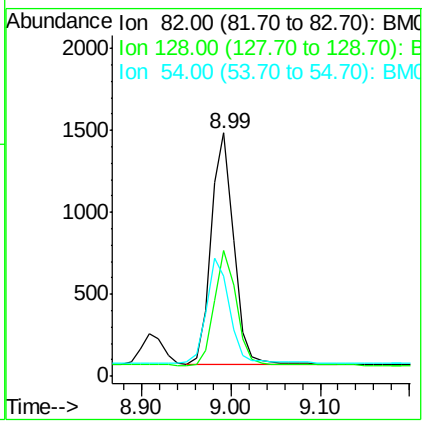




#7
Nitrobenzene-d5
Concen: 0.44 ng
RT: 8.99 min Scan# 427
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion: 82 Resp: 2472

Ion	Ratio	Lower	Upper
82	100		
128	51.6	41.8	62.8
54	41.0	32.9	49.3



Instrument :
BNA_M
ClientSampleId :
ICVBM031816

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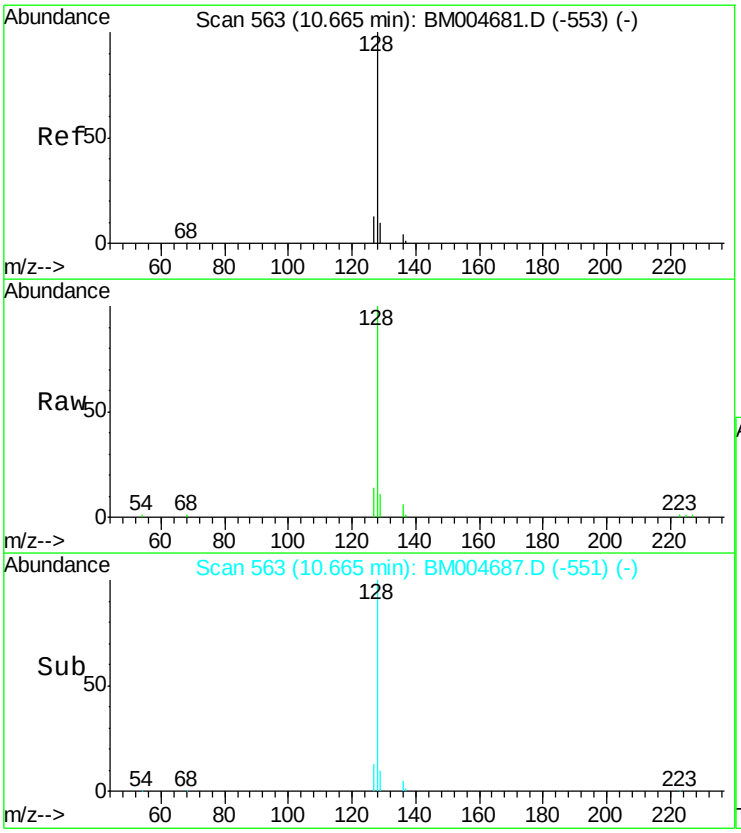
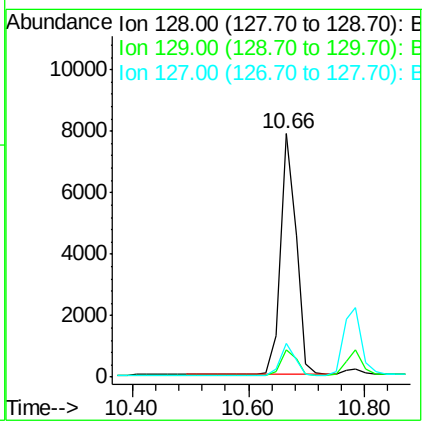
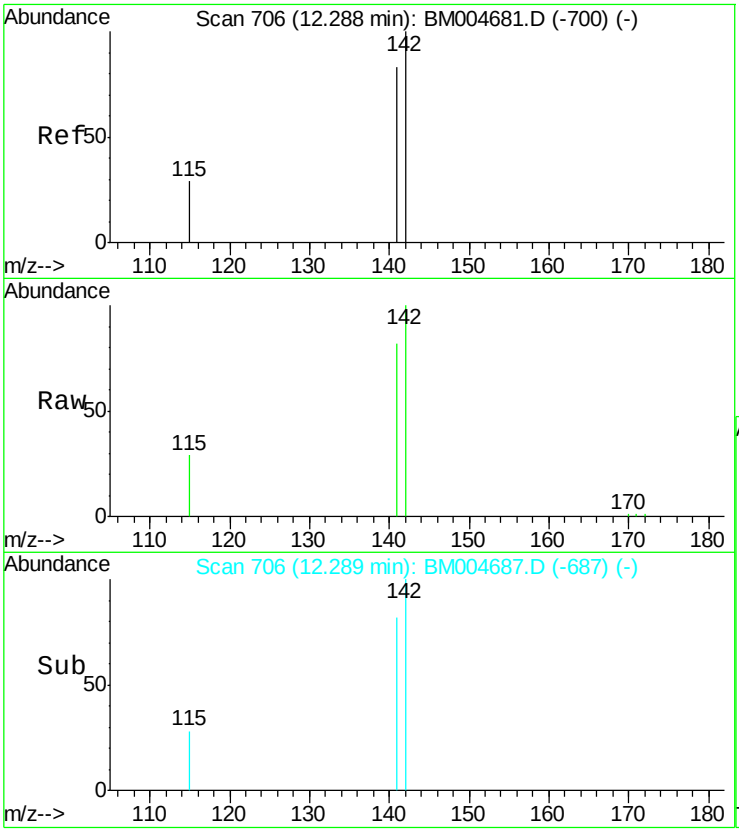


#8
Naphthalene
Concen: 0.46 ng
RT: 10.66 min Scan# 563
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:128 Resp: 14542

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	14.0	11.3	16.9

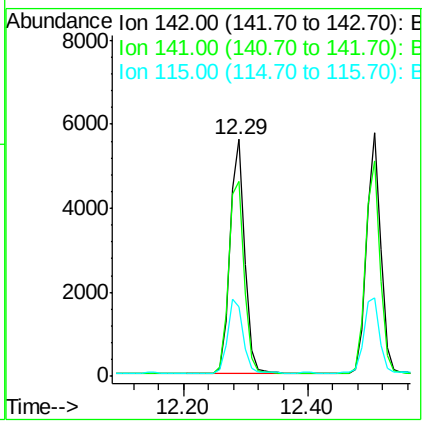




#9
2-Methylnaphthalene
Concen: 0.46 ng
RT: 12.29 min Scan# 706
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:142 Resp: 9296

Ion	Ratio	Lower	Upper
142	100		
141	82.4	66.2	99.2
115	29.5	23.8	35.8



Instrument :
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ClientSampleId :
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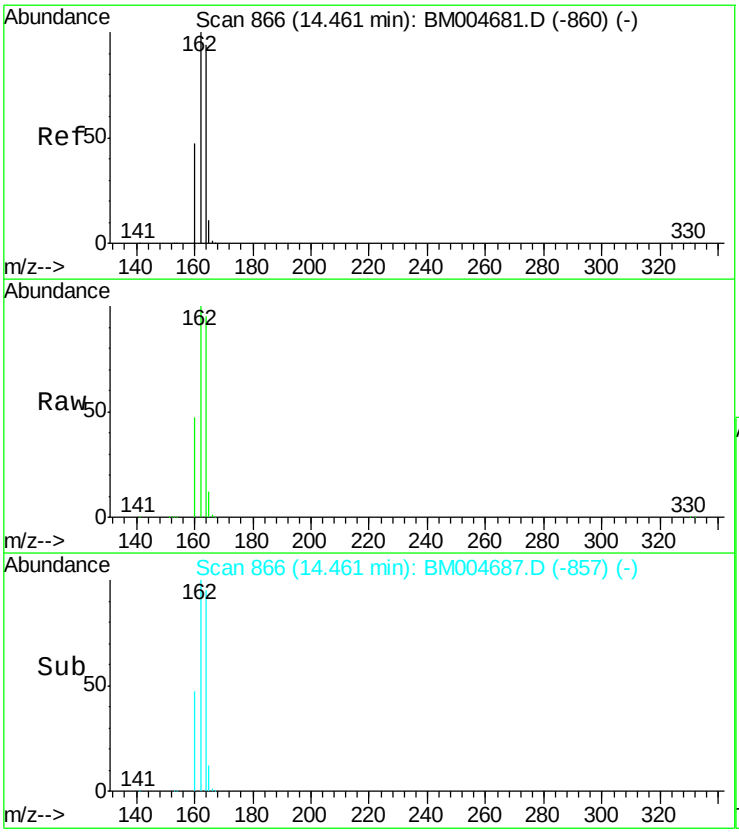
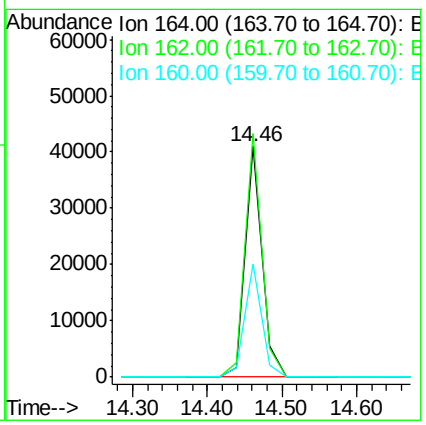
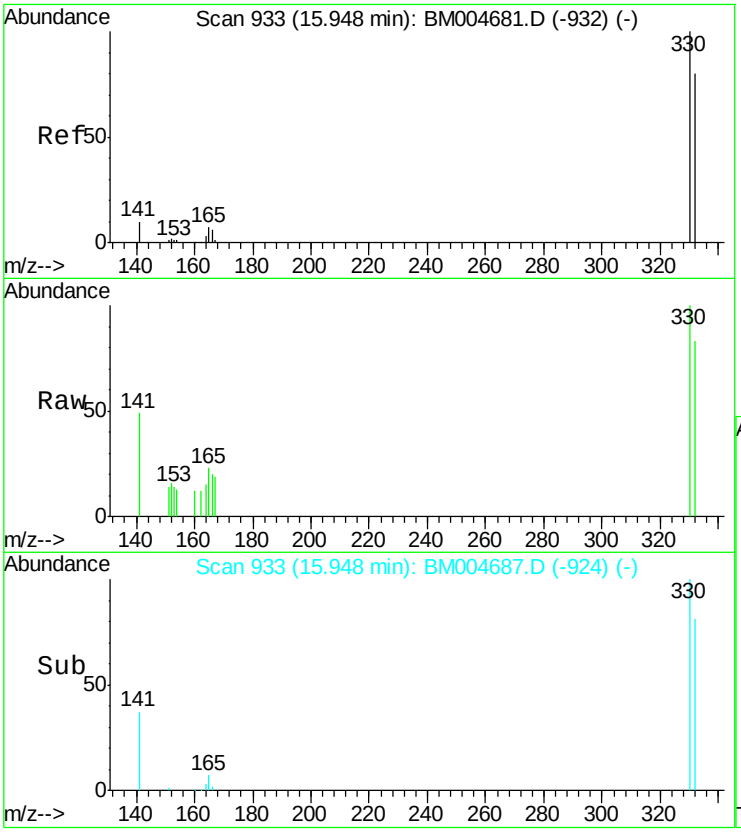


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.46 min Scan# 866
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:164 Resp: 64269

Ion	Ratio	Lower	Upper
164	100		
162	105.7	85.4	128.0
160	49.3	40.2	60.2

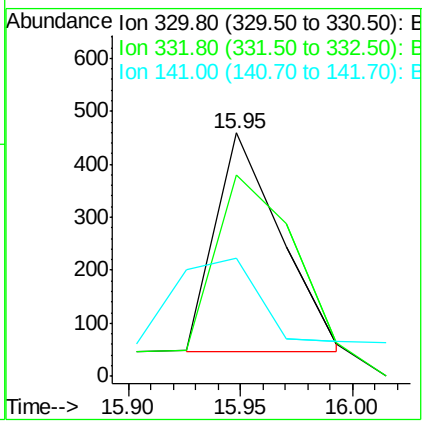




#11
2,4,6-Tribromophenol
Concen: 0.39 ng m
RT: 15.95 min Scan# 933
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:330 Resp: 831

Ion	Ratio	Lower	Upper
330	100		
332	124.7	93.9	140.9
141	53.2	42.2	63.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031816

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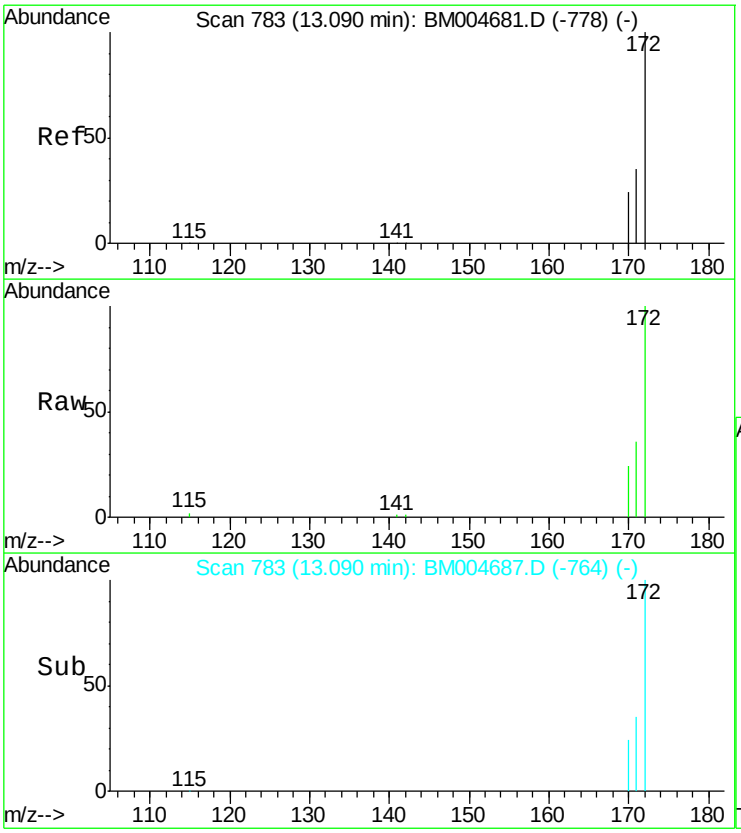
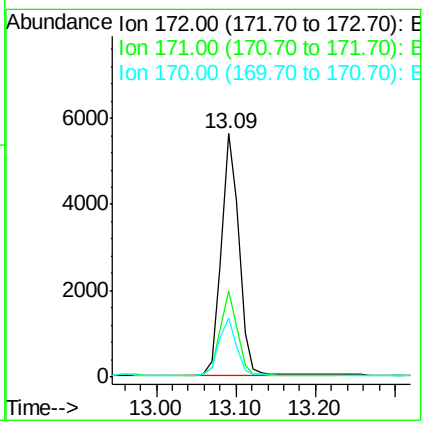
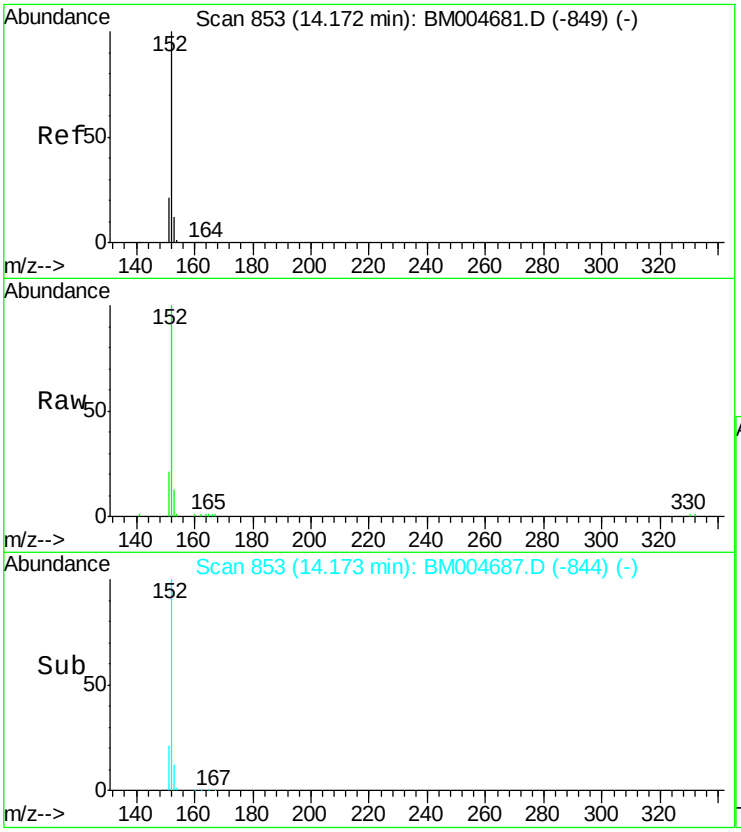


#12
2-Fluorobiphenyl
Concen: 0.47 ng
RT: 13.09 min Scan# 783
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:172 Resp: 8567

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	24.5	19.4	29.2

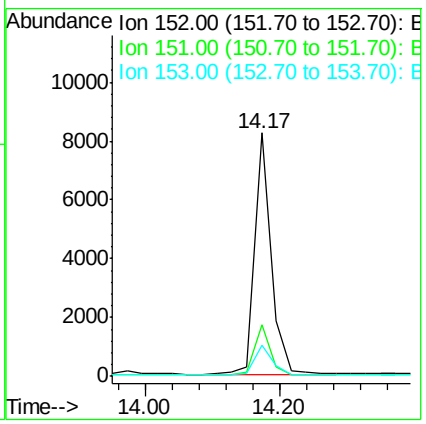




#13
Acenaphthylene
Concen: 0.43 ng
RT: 14.17 min Scan# 853
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:152 Resp: 14139

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.7	10.2	15.2



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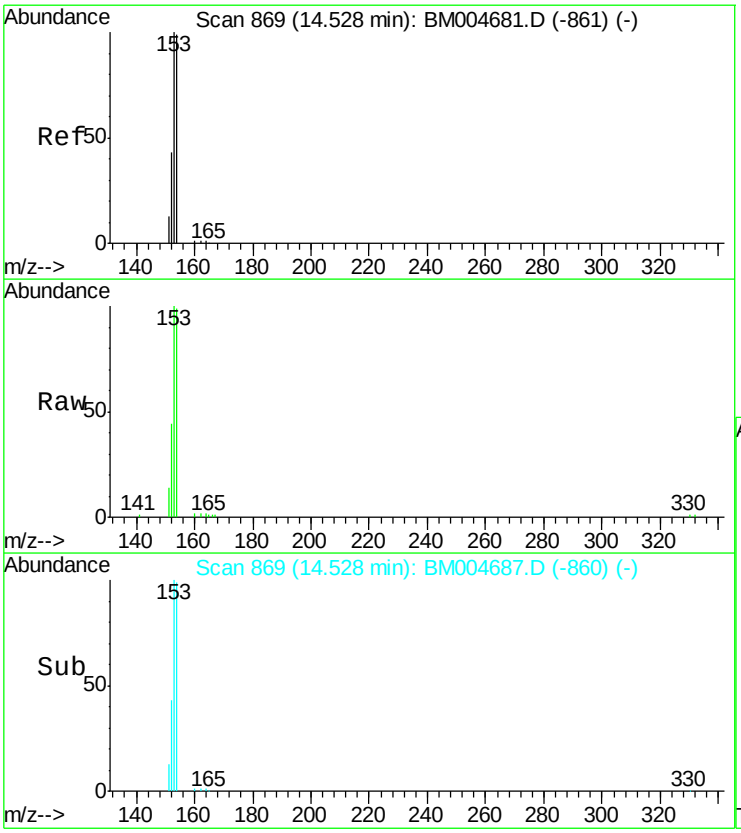
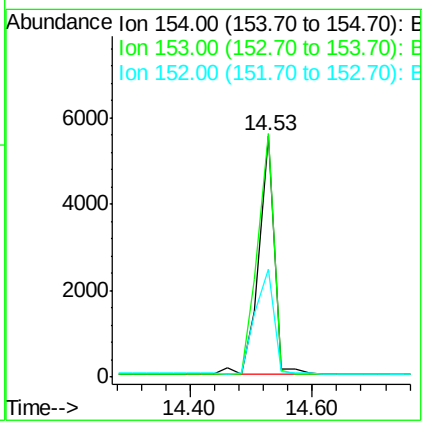
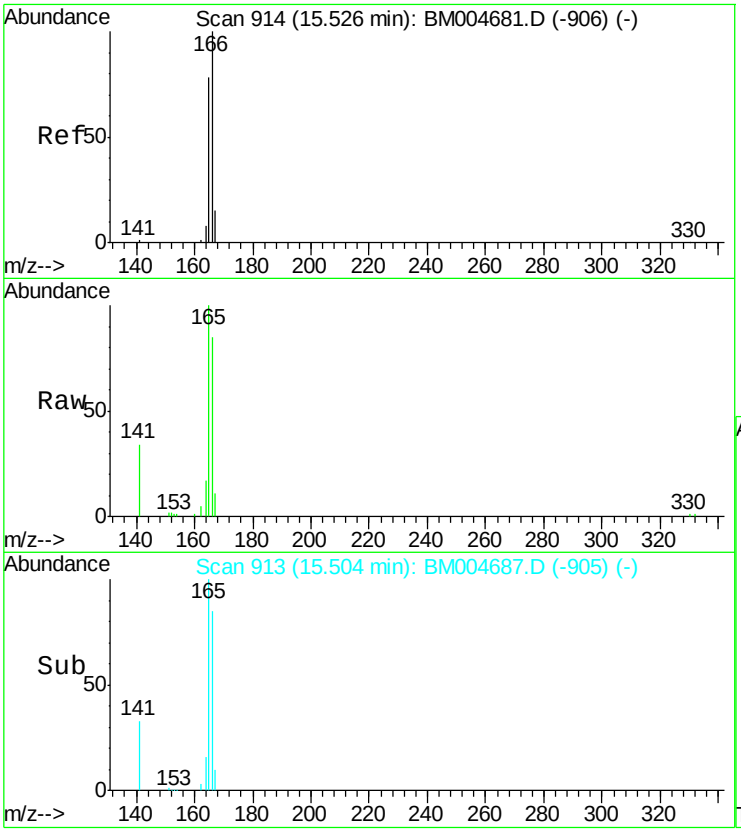


#14
Acenaphthene
Concen: 0.46 ng
RT: 14.53 min Scan# 869
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:154 Resp: 10019

Ion	Ratio	Lower	Upper
154	100		
153	105.2	83.8	125.6
152	51.7	40.3	60.5

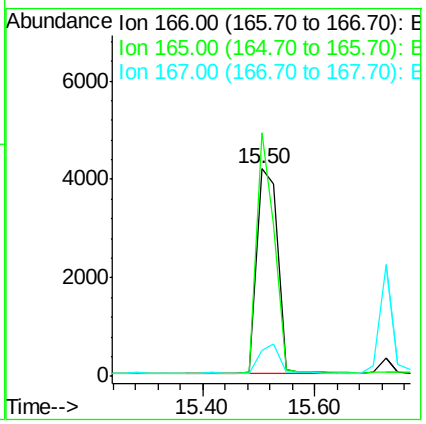




#15
Fluorene
Concen: 0.45 ng
RT: 15.50 min Scan# 913
Delta R.T. -0.02 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:166 Resp: 10948

Ion	Ratio	Lower	Upper
166	100		
165	98.7	0.0	0.0#
167	0.0	10.6	15.8#



Instrument :
BNA_M
ClientSampleId :
ICVBM031816

Manual Integrations APPROVED
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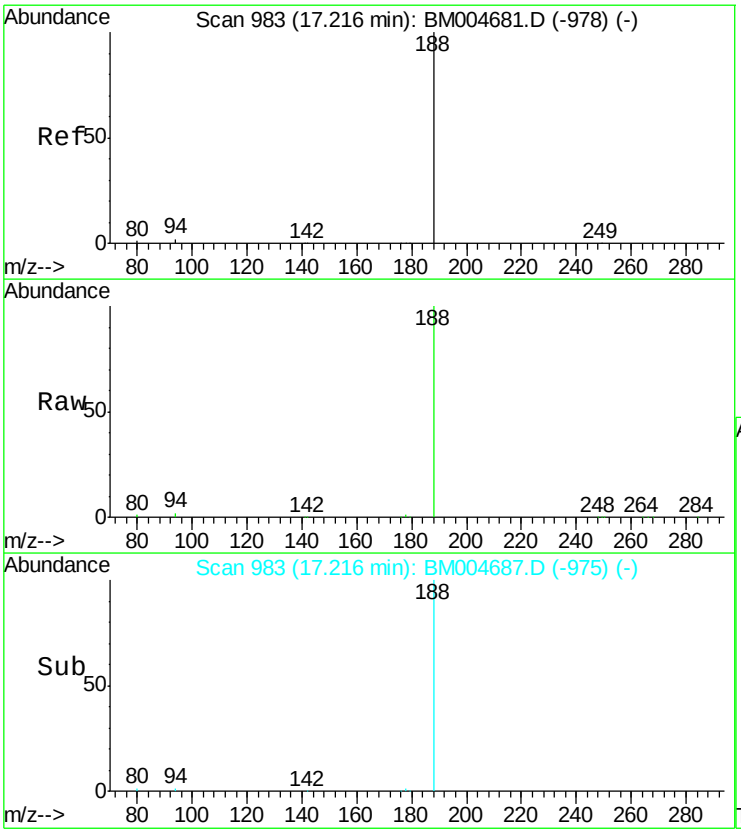
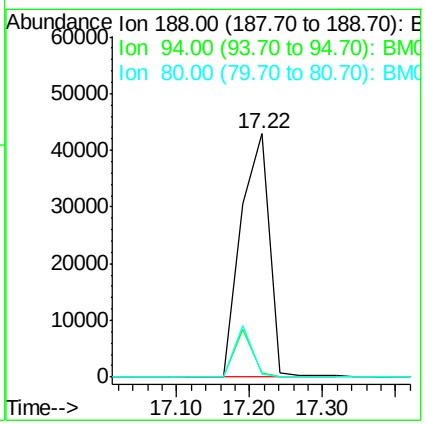
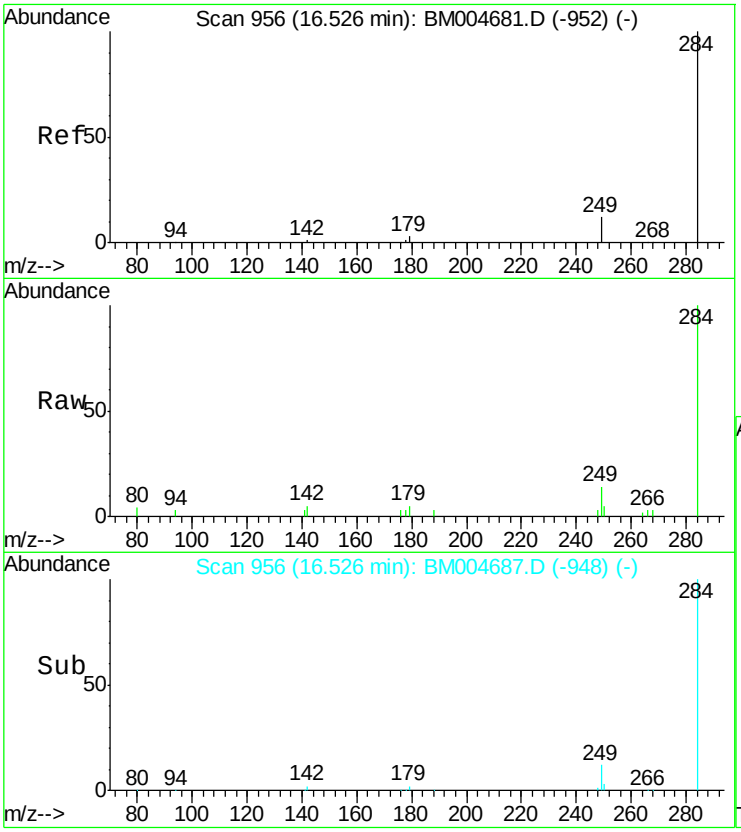


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.22 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:188 Resp: 114848

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

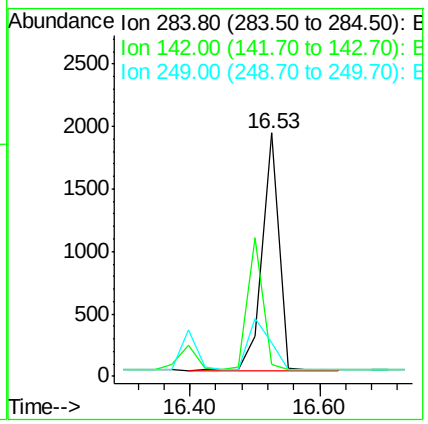




#17
Hexachlorobenzene
Concen: 0.48 ng
RT: 16.53 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:284 Resp: 3377

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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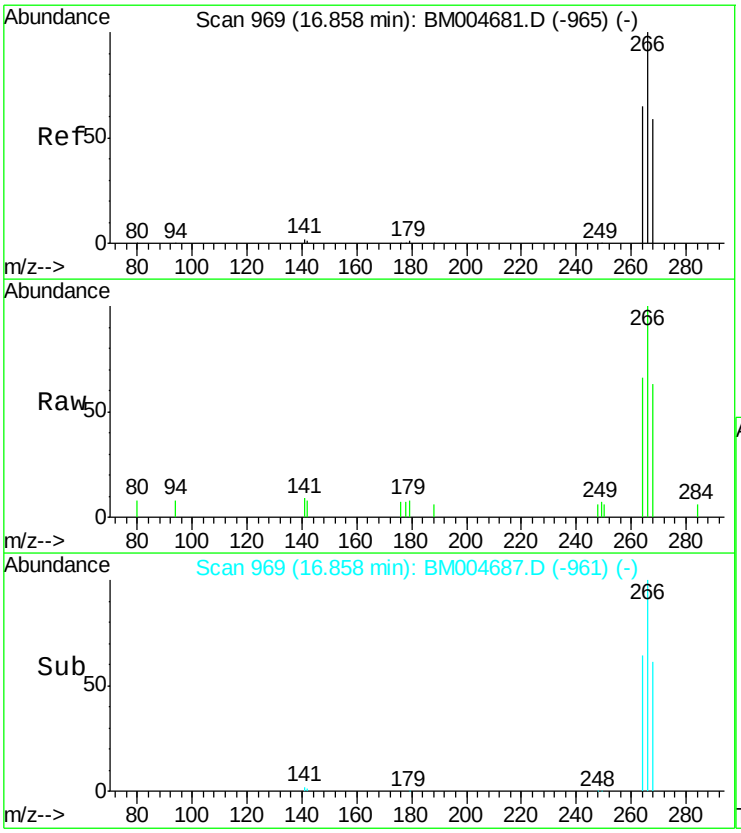
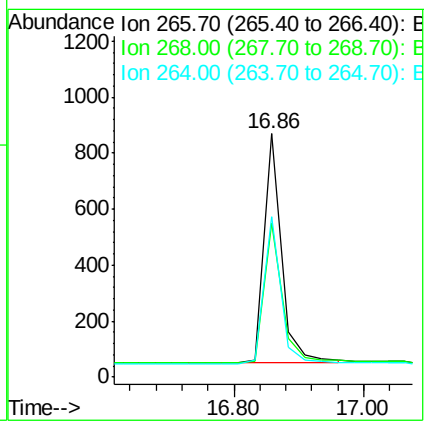
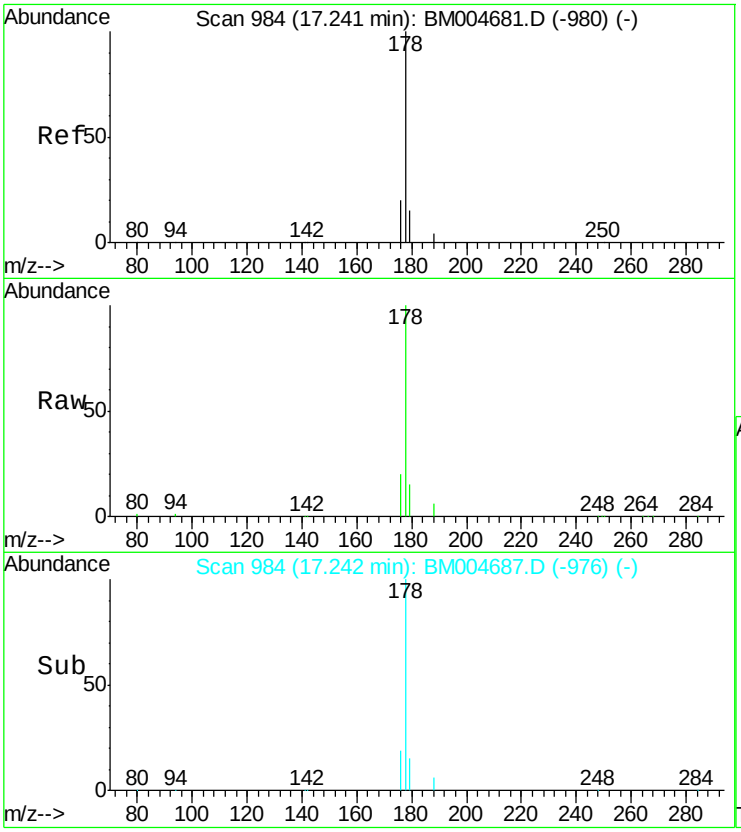


#18
Pentachlorophenol
Concen: 0.46 ng
RT: 16.86 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:266 Resp: 1532

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.1	73.7
264	66.1	52.9	79.3

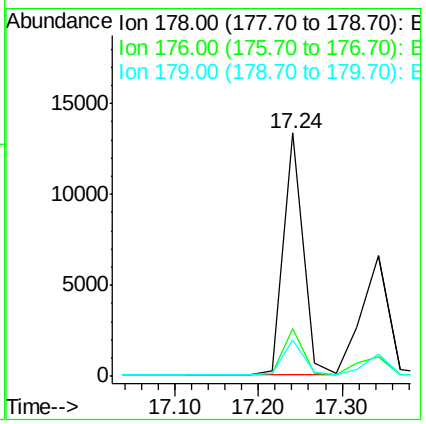




#19
Phenanthrene
Concen: 0.48 ng
RT: 17.24 min Scan# 984
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:178 Resp: 22026

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4



Instrument :
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ClientSampleId :
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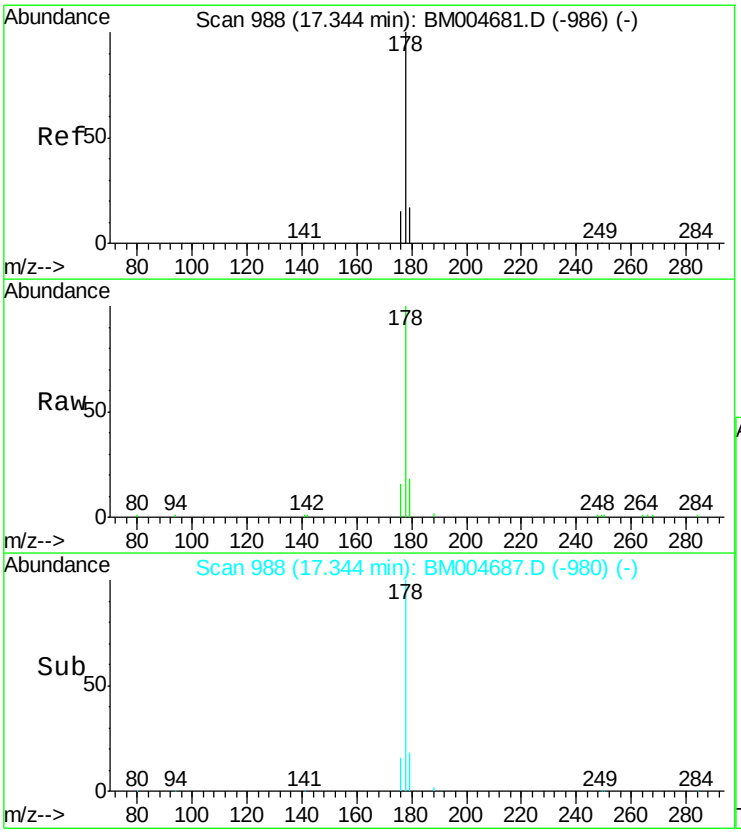
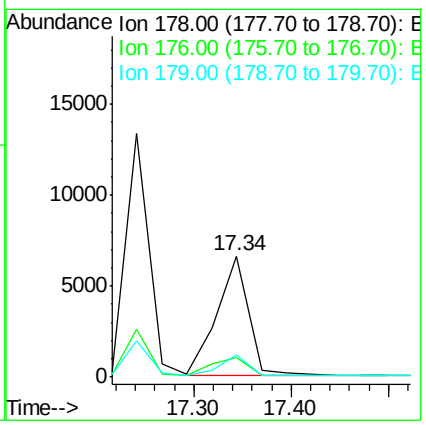
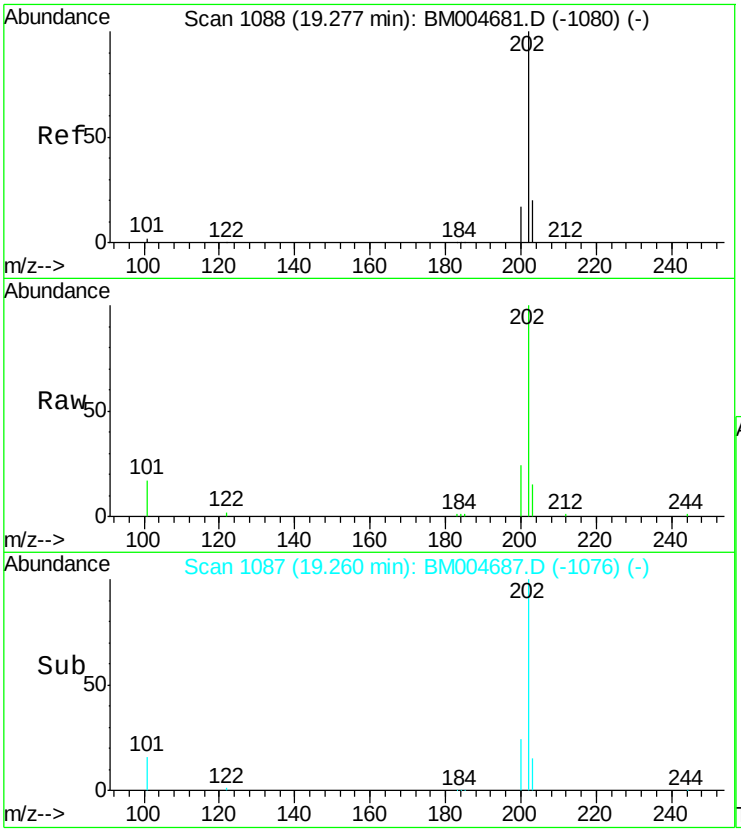


#20
Anthracene
Concen: 0.45 ng
RT: 17.34 min Scan# 988
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:178 Resp: 14651

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.5	21.7
179	15.8	12.6	18.8

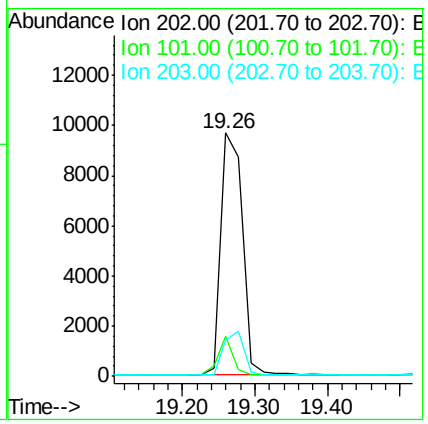




#21
Fluoranthene
Concen: 0.46 ng
RT: 19.26 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:202 Resp: 19902

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.7	13.1
203	17.5	14.1	21.1



Instrument :
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ClientSampleId :
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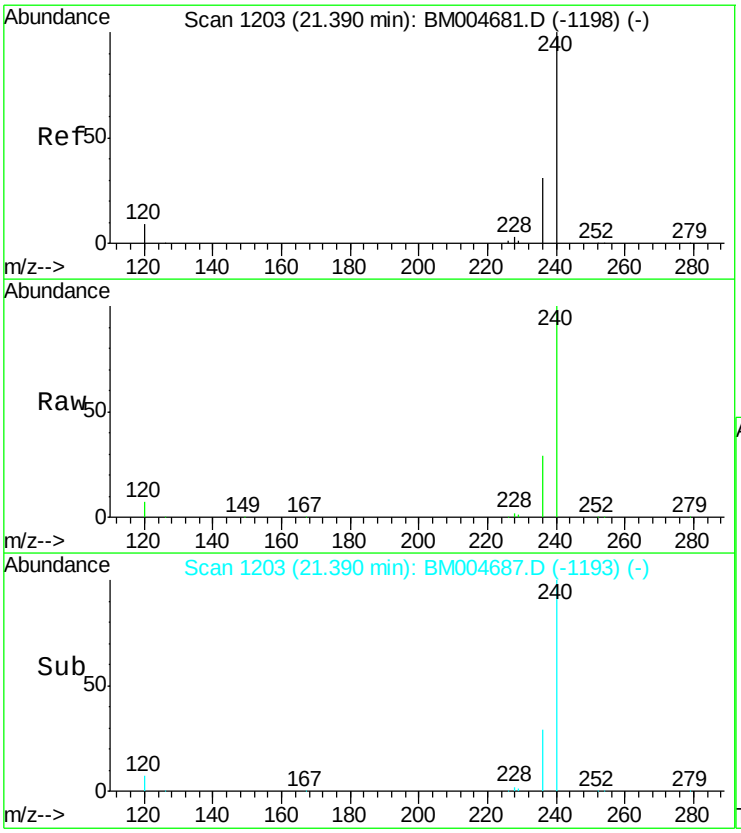
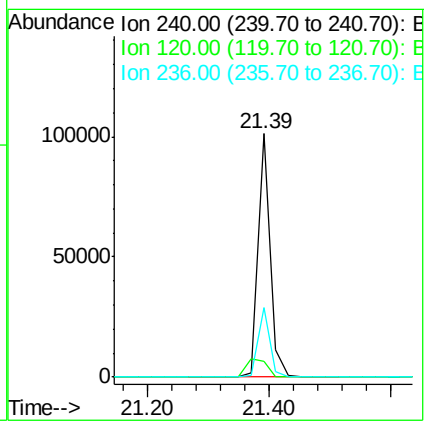
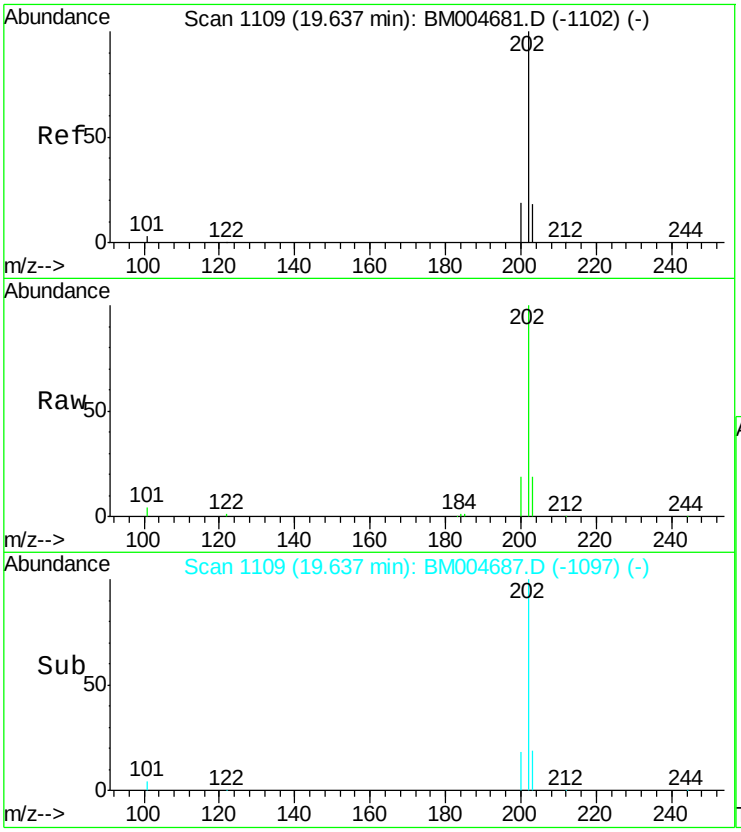


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.39 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:240 Resp: 142330

Ion	Ratio	Lower	Upper
240	100		
120	6.6	7.4	11.2#
236	28.7	24.5	36.7

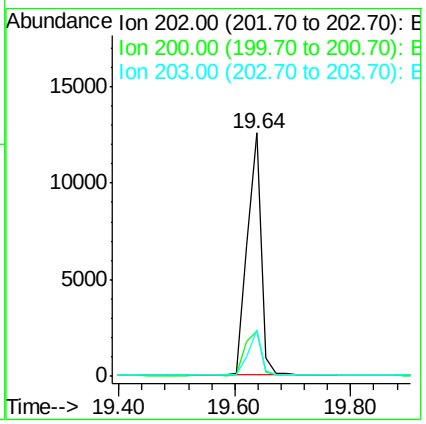




#23
Pyrene
Concen: 0.41 ng
RT: 19.64 min Scan# 1109
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:202 Resp: 21168

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.8	25.2
203	17.5	13.9	20.9



Instrument :
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ClientSampleId :
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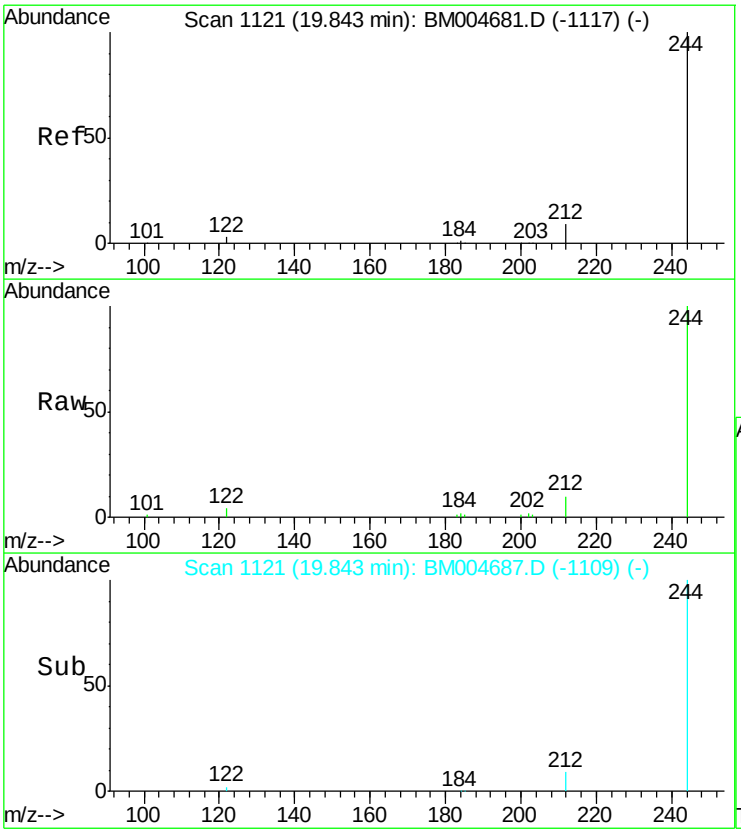
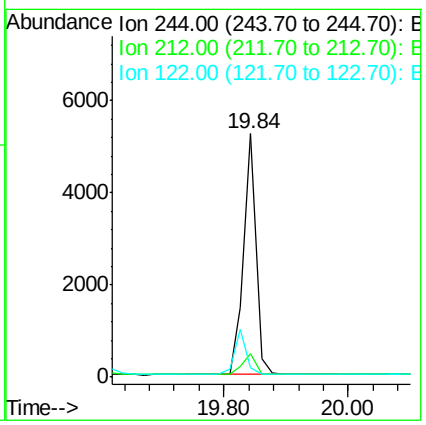
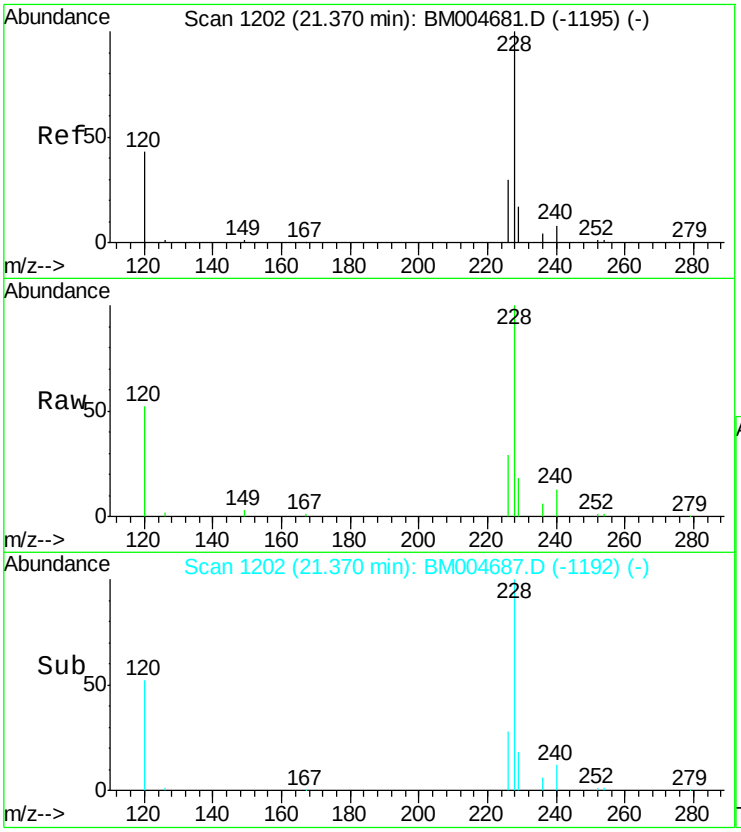


#24
Terphenyl-d14
Concen: 0.41 ng
RT: 19.84 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:244 Resp: 7360

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.7	11.5
122	3.7	3.4	5.0

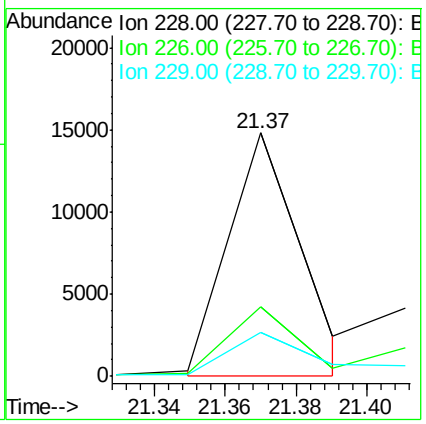




#25
Benzo(a)anthracene
Concen: 0.37 ng m
RT: 21.37 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:228 Resp: 21139

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.2
229	18.1	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031816

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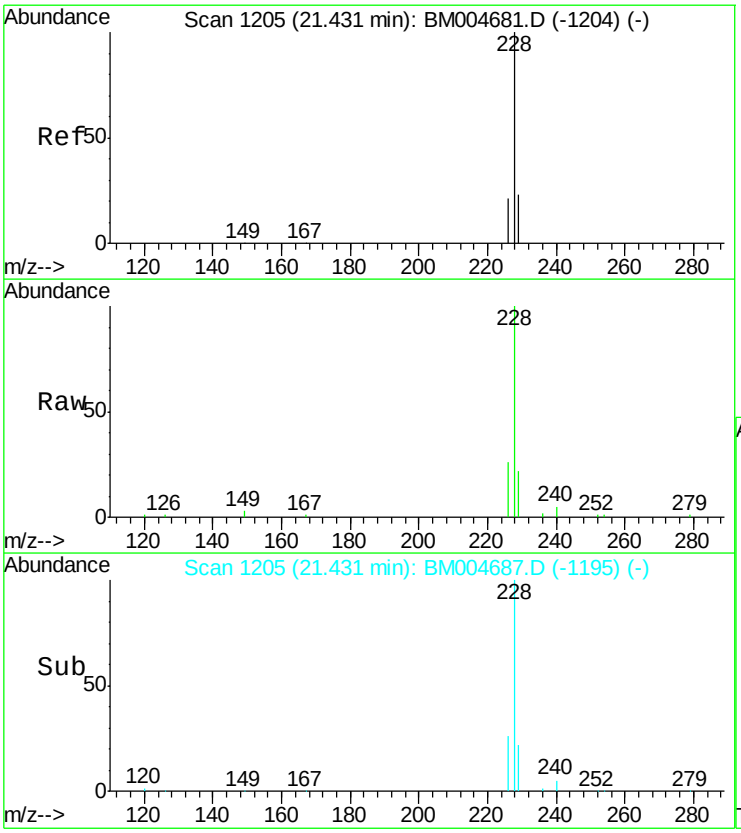
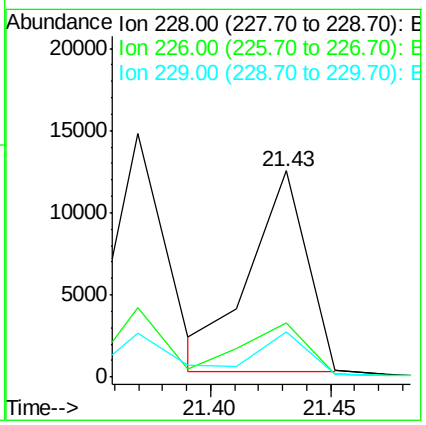
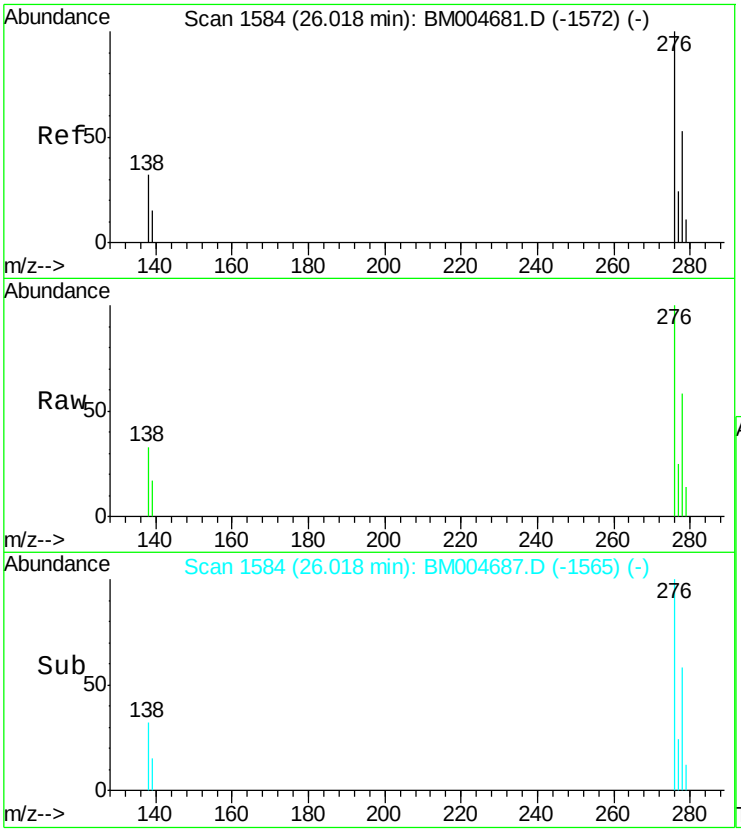


#26
Chrysene
Concen: 0.47 ng m
RT: 21.43 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:228 Resp: 19879

Ion	Ratio	Lower	Upper
228	100		
226	26.0	20.9	31.3
229	22.1	17.4	26.2

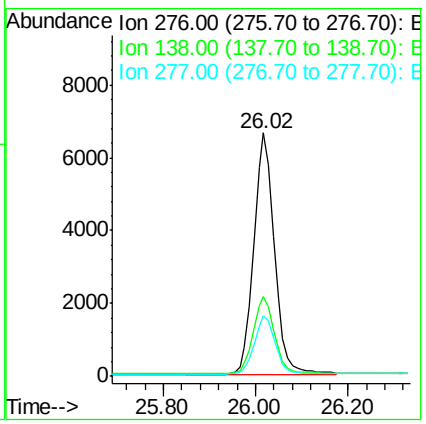




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.43 ng
RT: 26.02 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:276 Resp: 20611

Ion	Ratio	Lower	Upper
276	100		
138	32.4	25.9	38.9
277	24.6	19.8	29.6



Instrument :
BNA_M
ClientSampleId :
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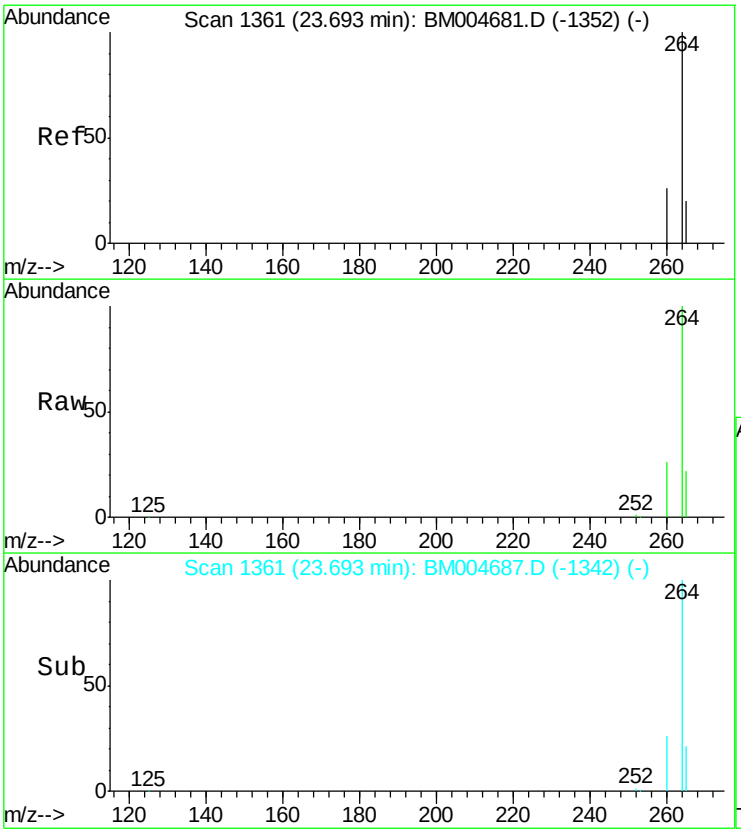
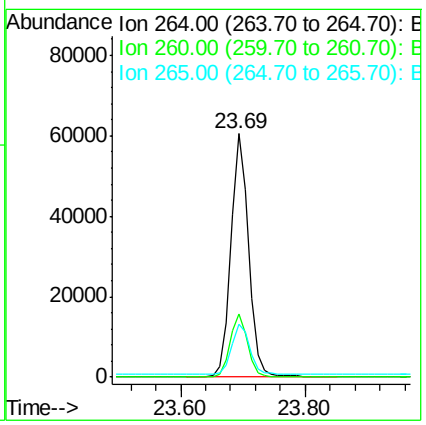
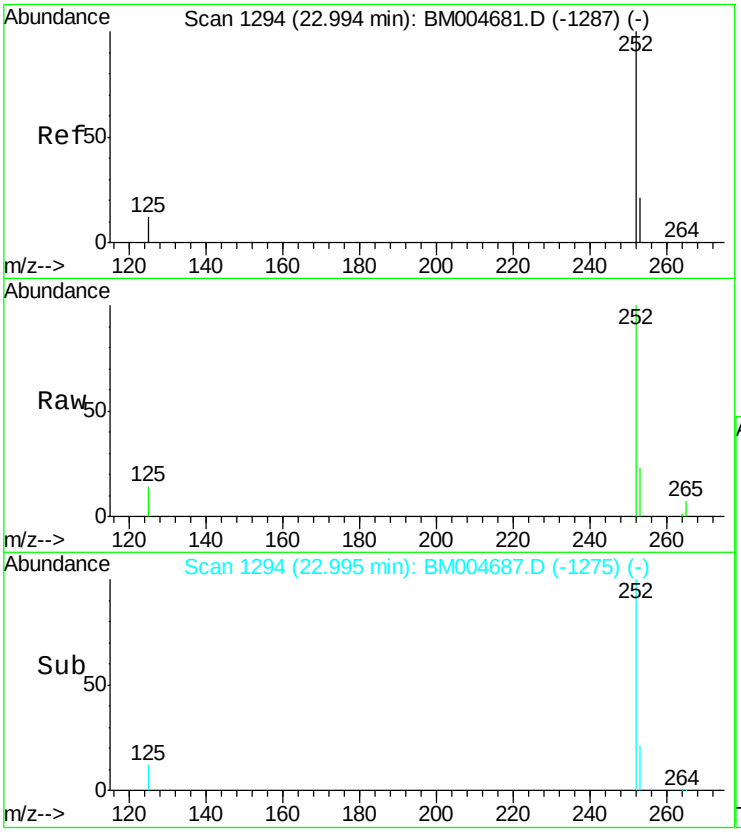


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.69 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:264 Resp: 120684

Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.0	31.4
265	21.9	17.5	26.3

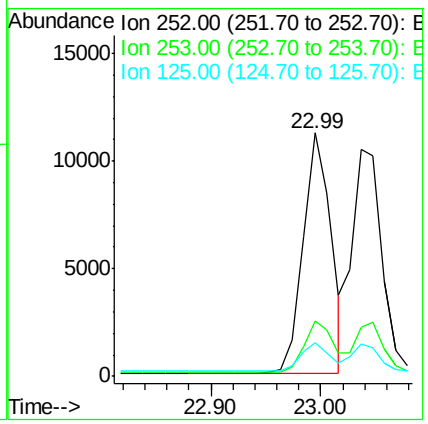




#29
Benzo(b)fluoranthene
Concen: 0.45 ng
RT: 22.99 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:252 Resp: 19572

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.9	11.4	17.0



Instrument :
BNA_M
ClientSampleId :
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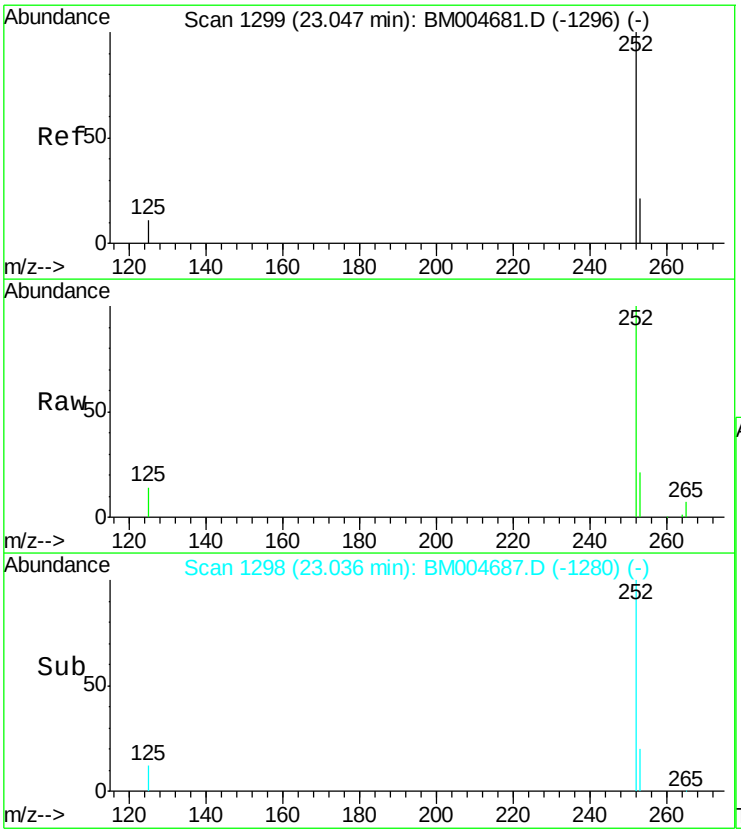
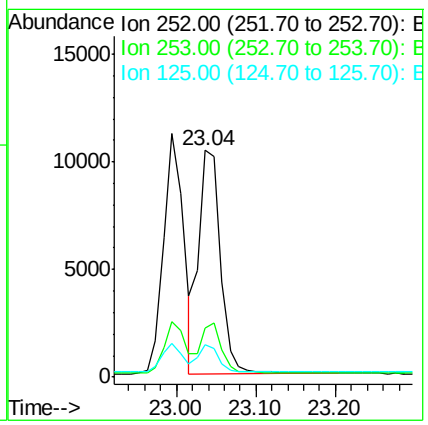
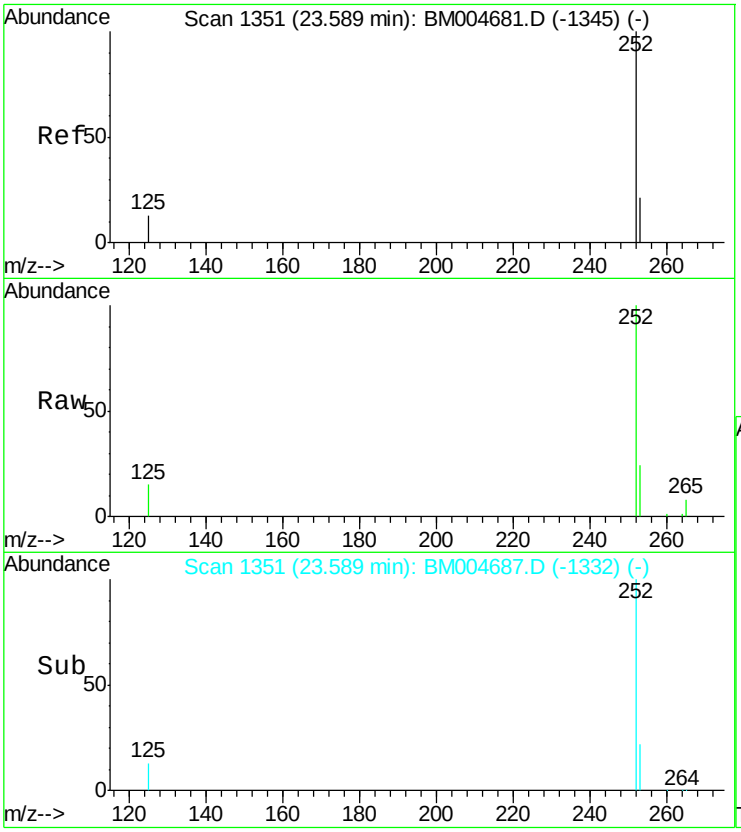


#30
Benzo(k)fluoranthene
Concen: 0.45 ng
RT: 23.04 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:252 Resp: 19701

Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.3	28.9
125	14.4	10.6	15.8

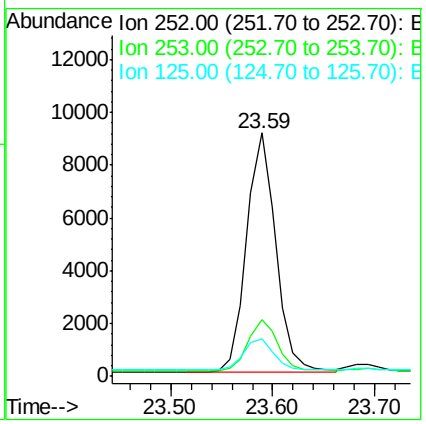




#31
Benzo(a)pyrene
Concen: 0.44 ng
RT: 23.59 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:252 Resp: 18182

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	28.0
125	15.2	12.3	18.5



Instrument :
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ClientSampleId :
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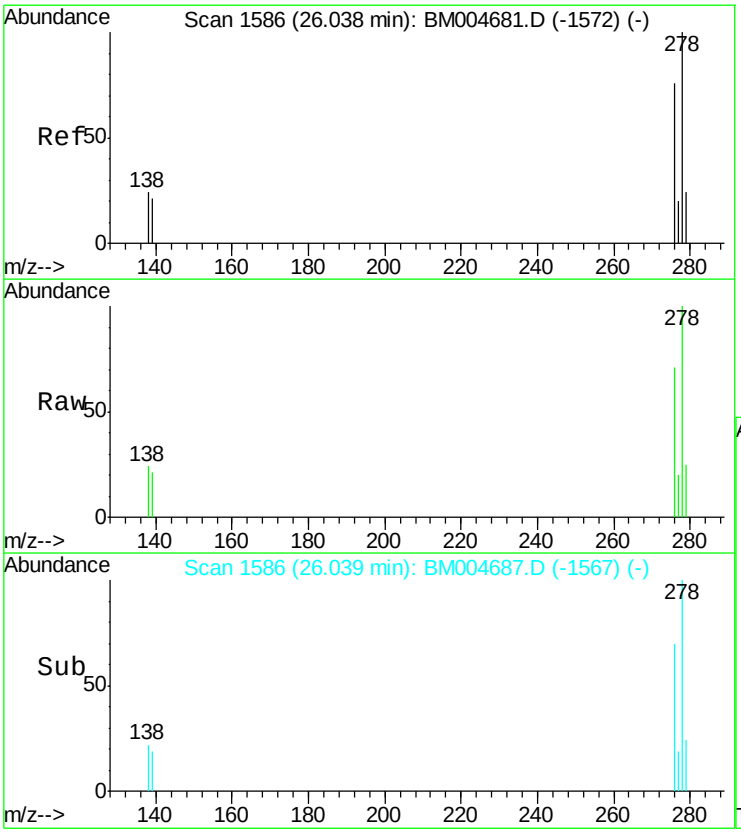
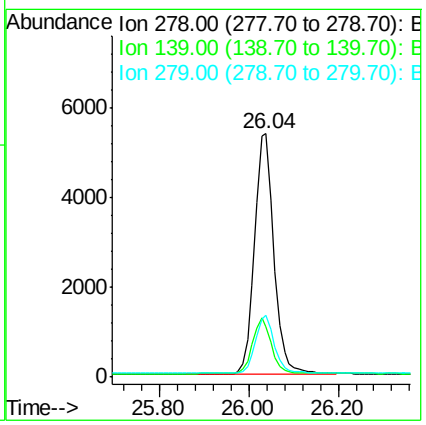
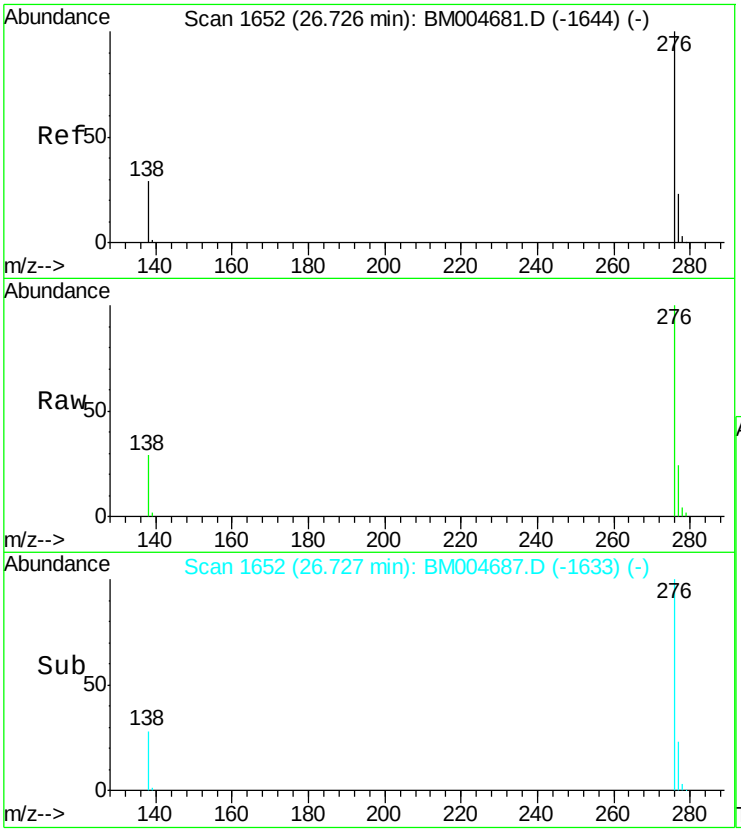


#32
Dibenzo(a,h)anthracene
Concen: 0.45 ng
RT: 26.04 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:278 Resp: 16532

Ion	Ratio	Lower	Upper
278	100		
139	20.6	17.6	26.4
279	25.2	19.9	29.9

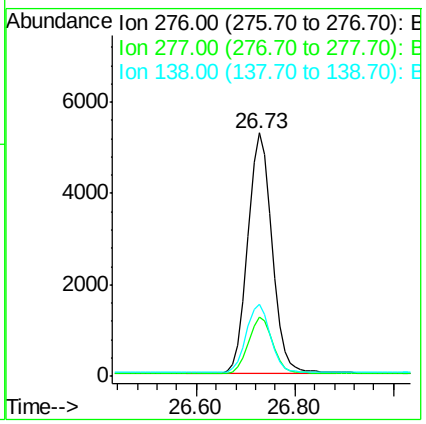




#33
Benzo(g,h,i)perylene
Concen: 0.45 ng
RT: 26.73 min Scan# 1652
Delta R.T. 0.00 min
Lab File: BM004687.D
Acq: 18 Mar 2016 17:44

Tgt Ion:276 Resp: 17547

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	29.4	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031816

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