Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012216\
Data File : BM004104.D
Acq On : 22 Jan 2016 11:04
Operator : SJ/UM
Sample : SSTDICC0.5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.5

Manual Integrations APPROVED
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Quant Time: Jan 22 13:30:09 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 13:10:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	22813	5.00	ng		0.00
7) Naphthalene-d8	10.44	136	97647	5.00	ng		0.00
13) Acenaphthene-d10	14.30	164	56246	5.00	ng		0.00
19) Phenanthrene-d10	17.06	188	170165	5.00	ng		0.00
26) Chrysene-d12	21.27	240	178132	5.00	ng		0.00
35) Perylene-d12	23.51	264	156945	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	2223	0.48	ng		0.00
5) Phenol-d6	6.85	99	2571	0.45	ng		0.00
8) Nitrobenzene-d5	8.83	82	1890	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.81	330	675	0.52	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	8392	0.46	ng		0.00
29) Terphenyl-d14	19.71	244	10237	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	1201	0.55	ng		94
3) n-Nitrosodimethylamine	3.49	42	924	0.39	ng		95
6) bis(2-Chloroethyl)ether	7.09	93	2455	0.47	ng		97
9) Nitrobenzene	8.87	77	2100	0.40	ng		100
10) Naphthalene	10.49	128	10892	0.51	ng		99
11) Hexachlorobutadiene	10.78	225	1672	0.51	ng		100
12) 2-Methylnaphthalene	12.13	142	7019	0.49	ng		98
16) Acenaphthylene	14.04	152	10817	0.46	ng	#	74
17) Acenaphthene	14.37	154	8729	0.53	ng		95
18) Fluorene	15.37	166	10744	0.55	ng		97
20) 4-Bromophenyl-phenylether	16.27	248	2374	0.45	ng	#	60
21) Hexachlorobenzene	16.39	284	2529	0.45	ng	#	47
22) Pentachlorophenol	16.75	266	426	0.29	ng	#	88
23) Phenanthrene	17.11	178	16148	0.46	ng	#	75
24) Anthracene	17.19	178	15976	0.47	ng		97
25) Fluoranthene	19.14	202	20204	0.53	ng		100
27) Benzidine	19.35	184	2376	0.16	ng	#	83
28) Pyrene	19.50	202	21944	0.34	ng		100
30) Benzo(a)anthracene	21.25	228	22298m	0.44	ng		
31) 3,3'-Dichlorobenzidine	21.21	252	4411	0.34	ng	#	90
32) Chrysene	21.31	228	22480m	0.43	ng		
33) Bis(2-ethylhexyl)phthalate	21.17	149	7564	0.34	ng	#	98
34) Indeno(1,2,3-cd)pyrene	25.75	276	22204	0.59	ng		100
36) Benzo(b)fluoranthene	22.83	252	21154	0.44	ng		96
37) Benzo(k)fluoranthene	22.87	252	21889	0.47	ng		96
38) Benzo(a)pyrene	23.41	252	19746	0.48	ng		98
39) Dibenzo(a,h)anthracene	25.76	278	17507	0.50	ng		96
40) Benzo(g,h,i)perylene	26.45	276	19318	0.52	ng		100

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012216\
Data File : BM004104.D
Acq On : 22 Jan 2016 11:04
Operator : SJ/UM
Sample : SSTDICC0.5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 13:30:09 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 13:10:23 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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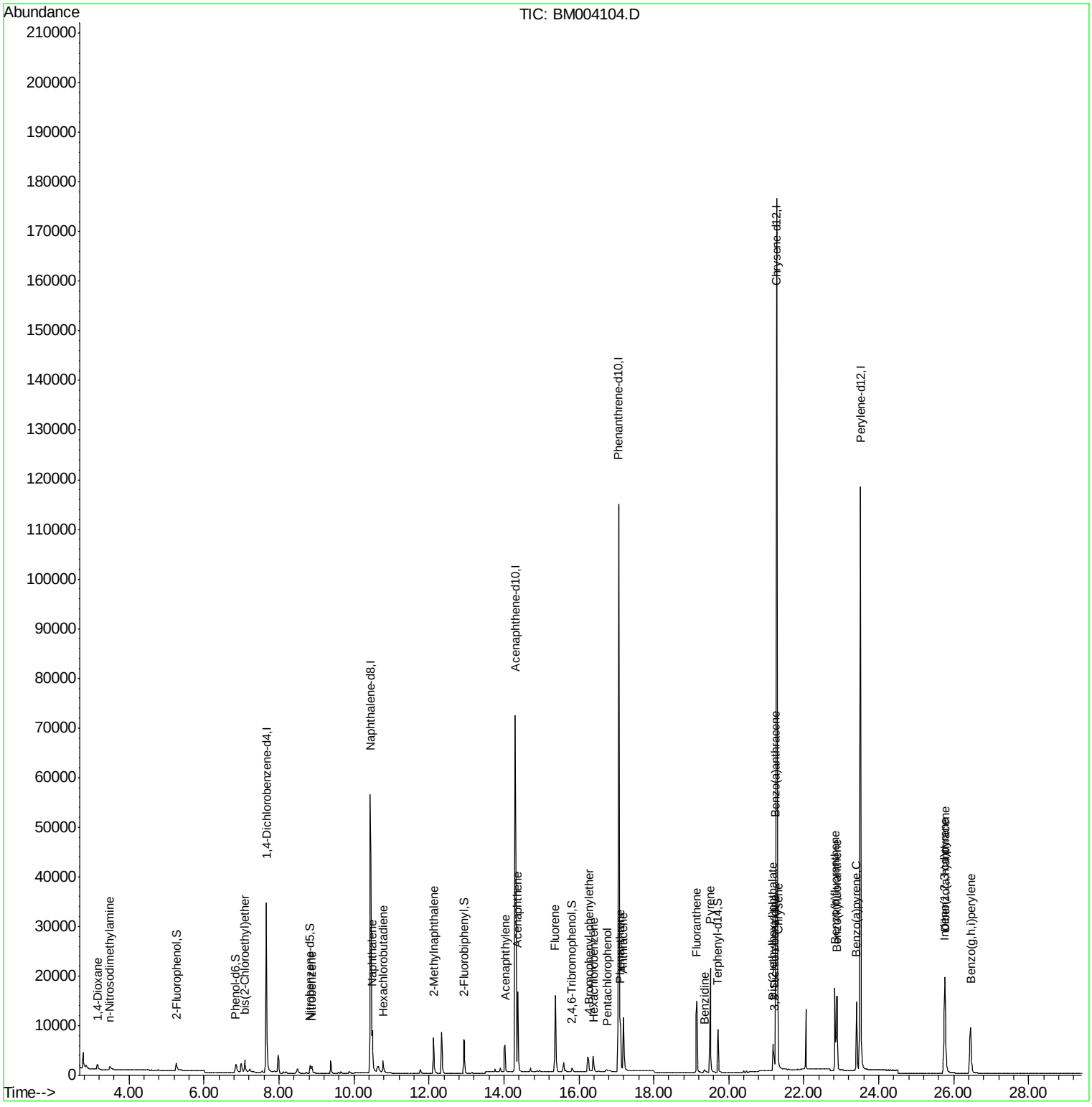
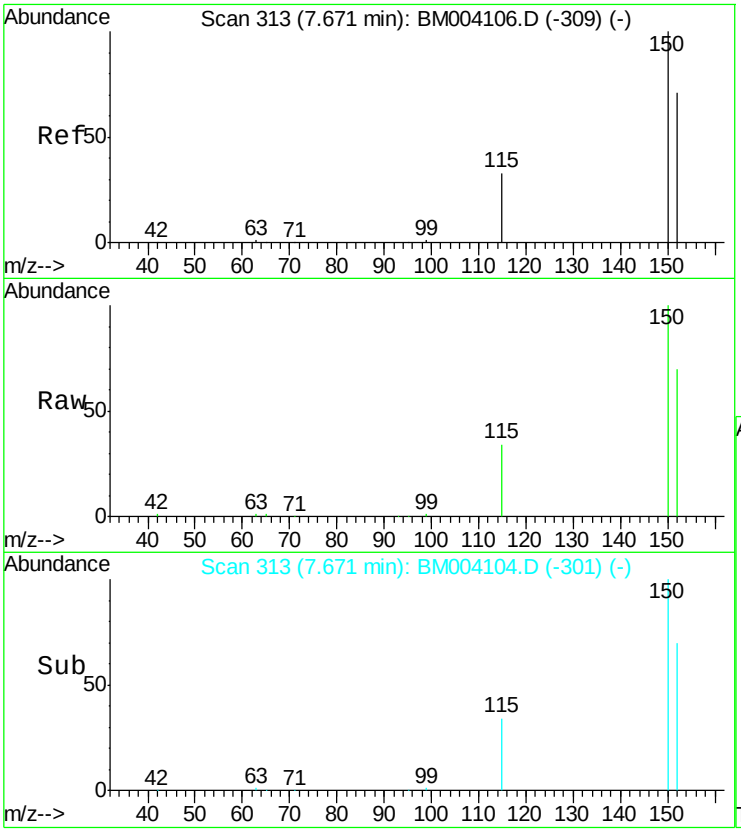
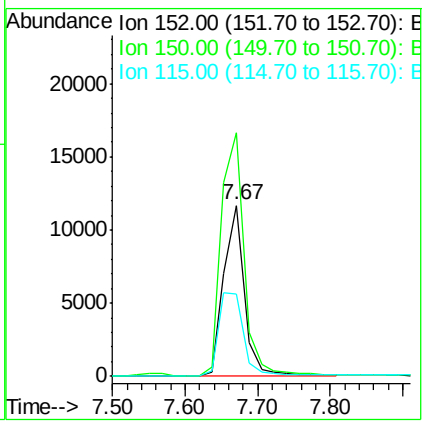




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:152 Resp: 22813

Ion	Ratio	Lower	Upper
152	100		
150	142.3	122.9	184.3
115	48.4	44.4	66.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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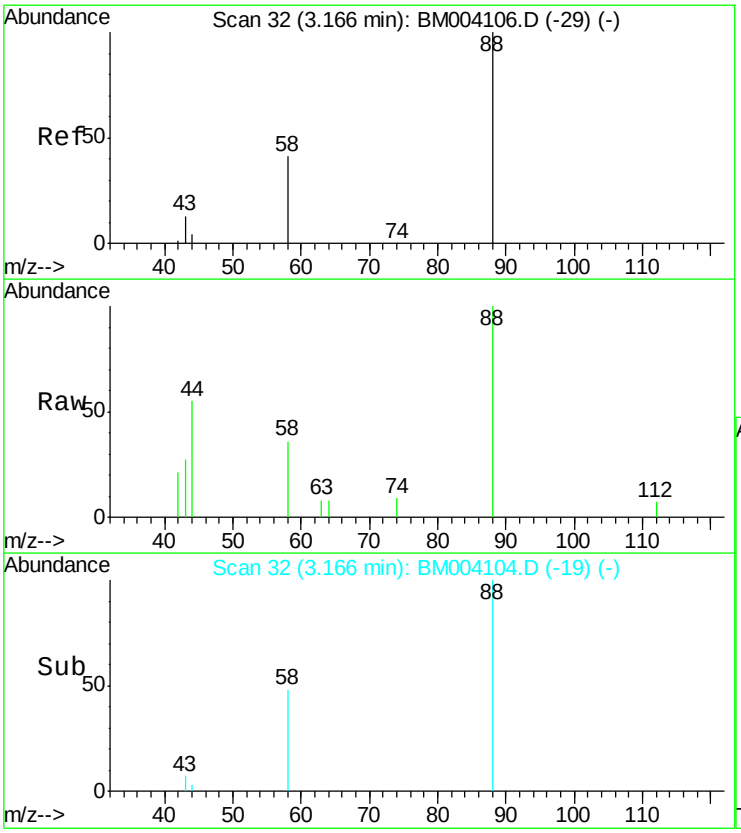
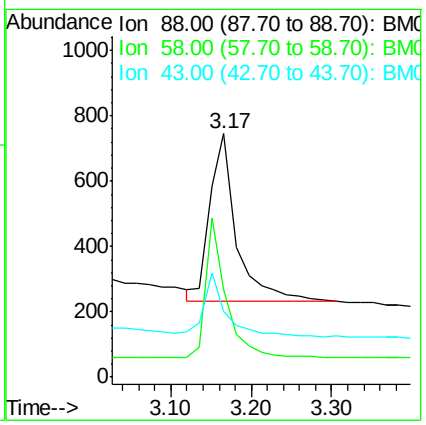
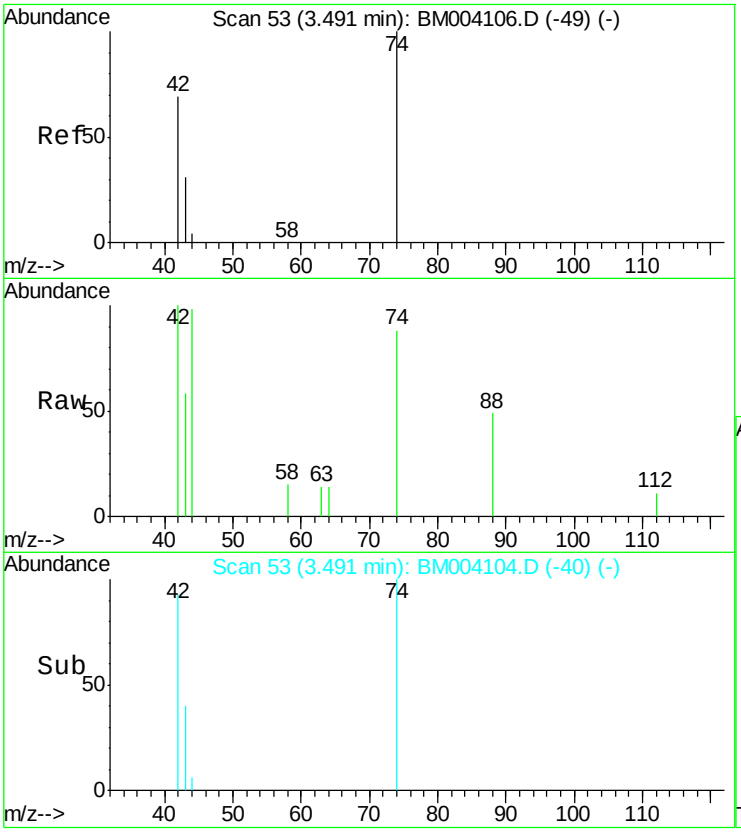


#2
1,4-Dioxane
Concen: 0.55 ng
RT: 3.17 min Scan# 32
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion: 88 Resp: 1201

Ion	Ratio	Lower	Upper
88	100		
58	61.7	53.8	80.6
43	32.4	23.8	35.6

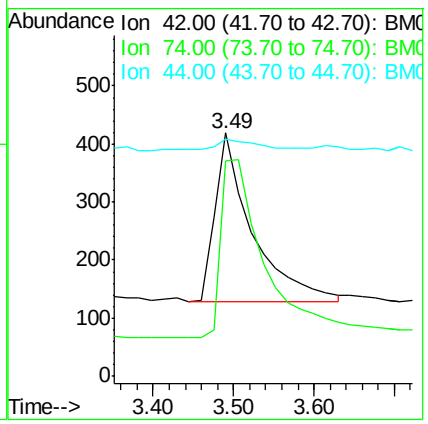




#3
n-Nitrosodimethylamine
Concen: 0.39 ng
RT: 3.49 min Scan# 53
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion: 42 Resp: 924

Ion	Ratio	Lower	Upper
42	100		
74	124.4	95.0	142.4
44	7.6	5.1	7.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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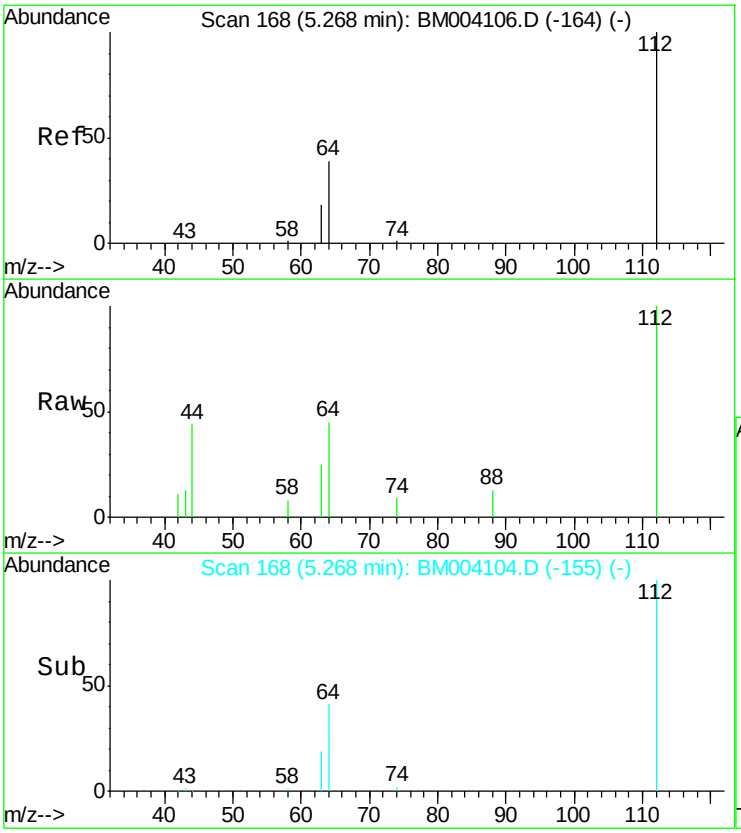
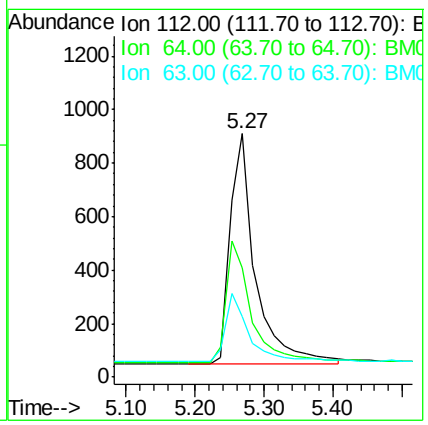
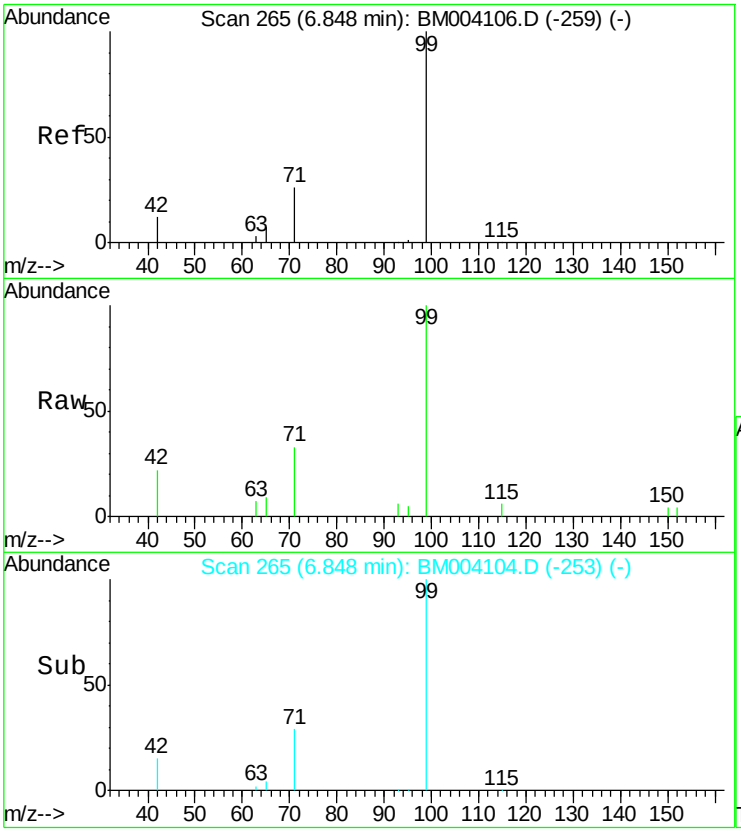


#4
2-Fluorophenol
Concen: 0.48 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:112 Resp: 2223

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.8	62.8
63	28.0	22.1	33.1

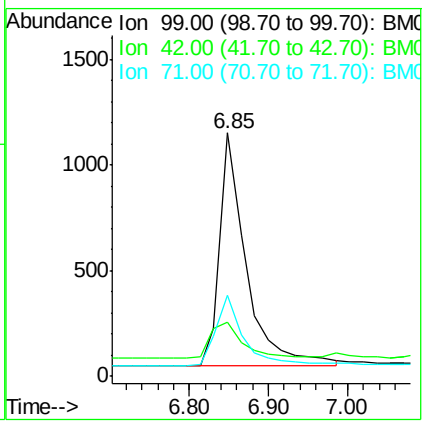




#5
Phenol-d6
Concen: 0.45 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion: 99 Resp: 2571

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.2	24.2
71	31.3	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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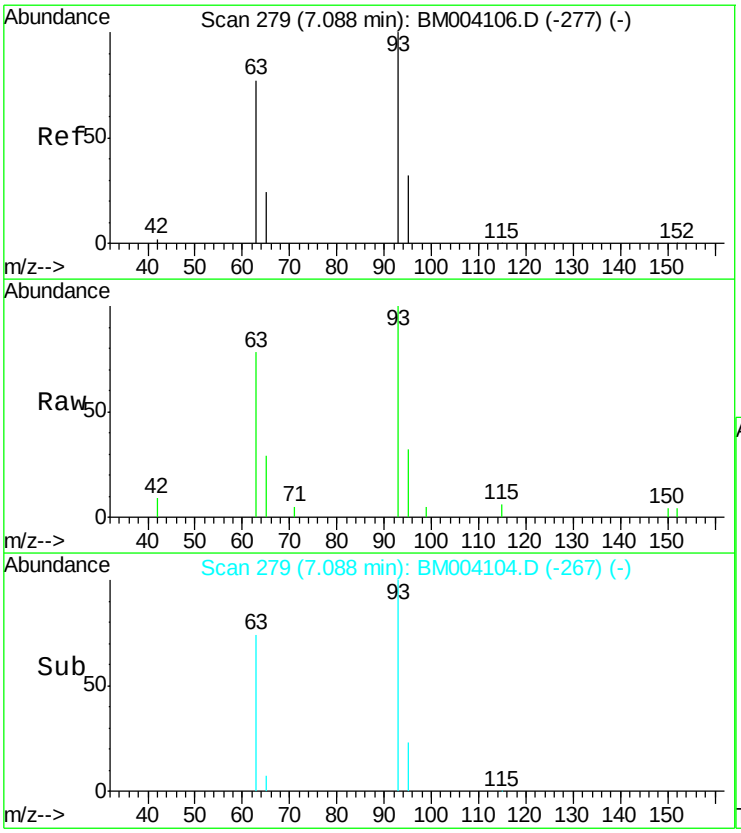
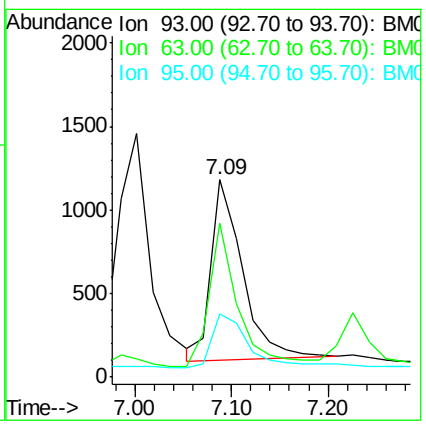
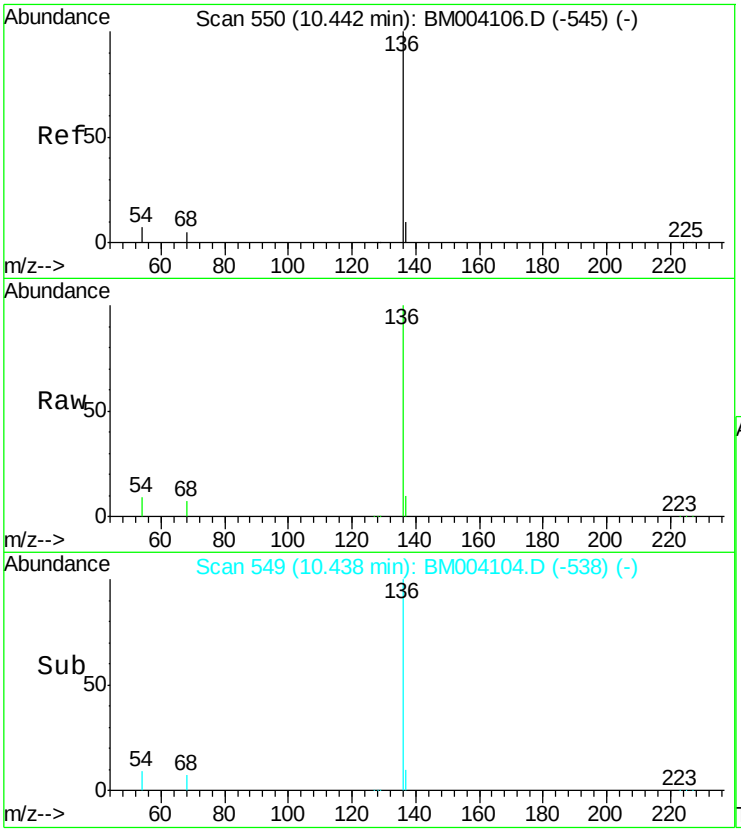


#6
bis(2-Chloroethyl)ether
Concen: 0.47 ng
RT: 7.09 min Scan# 279
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion: 93 Resp: 2455

Ion	Ratio	Lower	Upper
93	100		
63	70.8	58.3	87.5
95	34.3	25.8	38.8

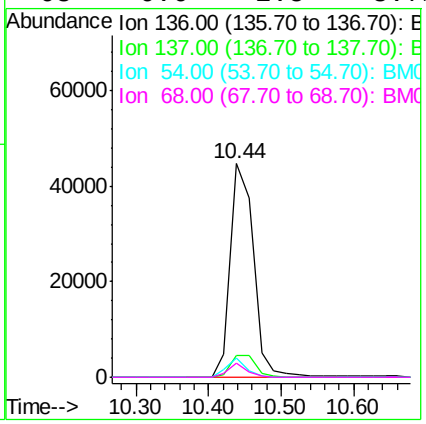




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.44 min Scan# 549
Delta R.T. -0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:136 Resp: 97647

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	9.1	2.8	4.2#
68	6.6	2.5	3.7#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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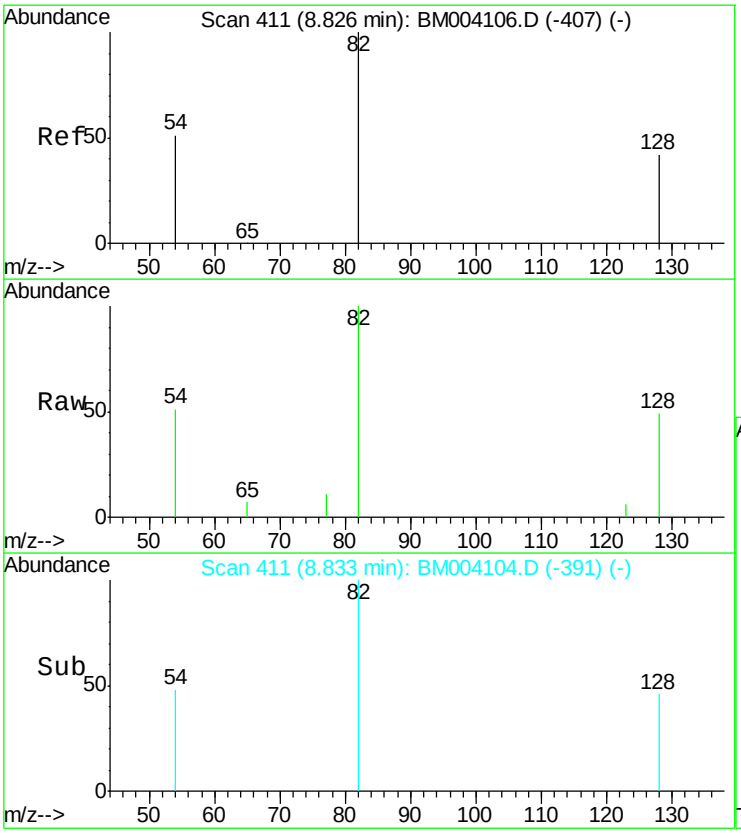
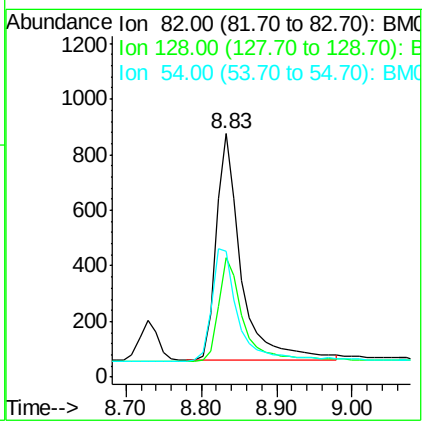
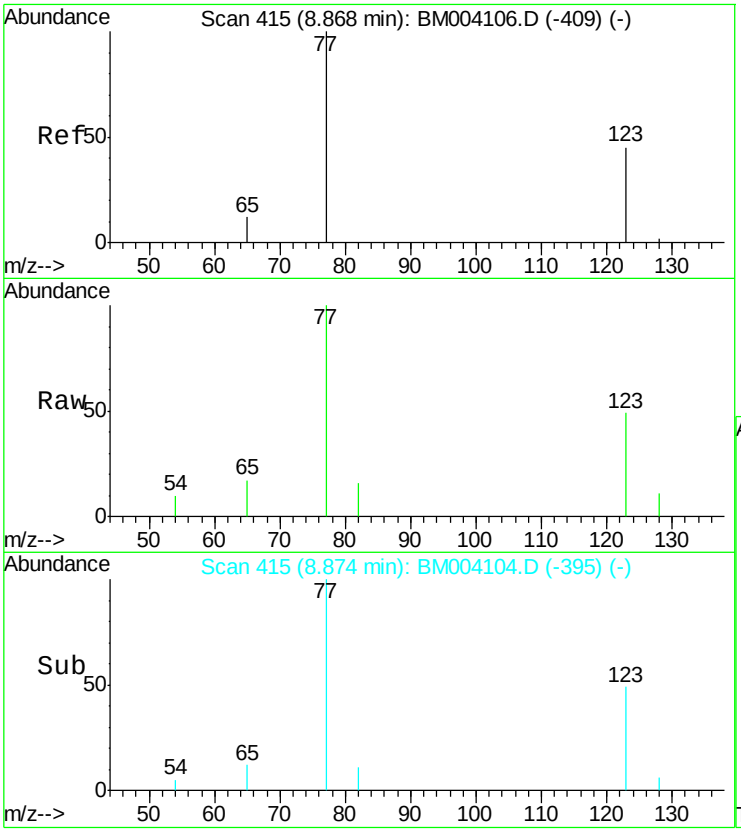


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.83 min Scan# 411
Delta R.T. 0.01 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion: 82 Resp: 1890

Ion	Ratio	Lower	Upper
82	100		
128	49.3	39.1	58.7
54	51.5	34.8	52.2

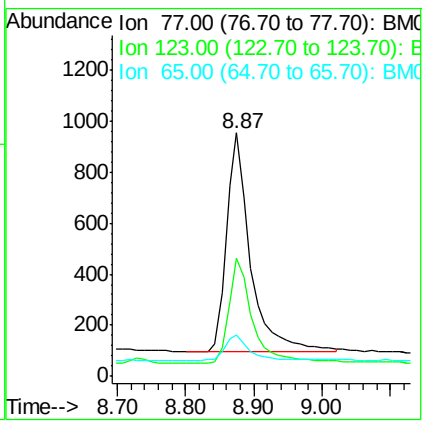




#9
Nitrobenzene
Concen: 0.40 ng
RT: 8.87 min Scan# 415
Delta R.T. 0.01 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion: 77 Resp: 2100

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	57.8
65	12.1	9.9	14.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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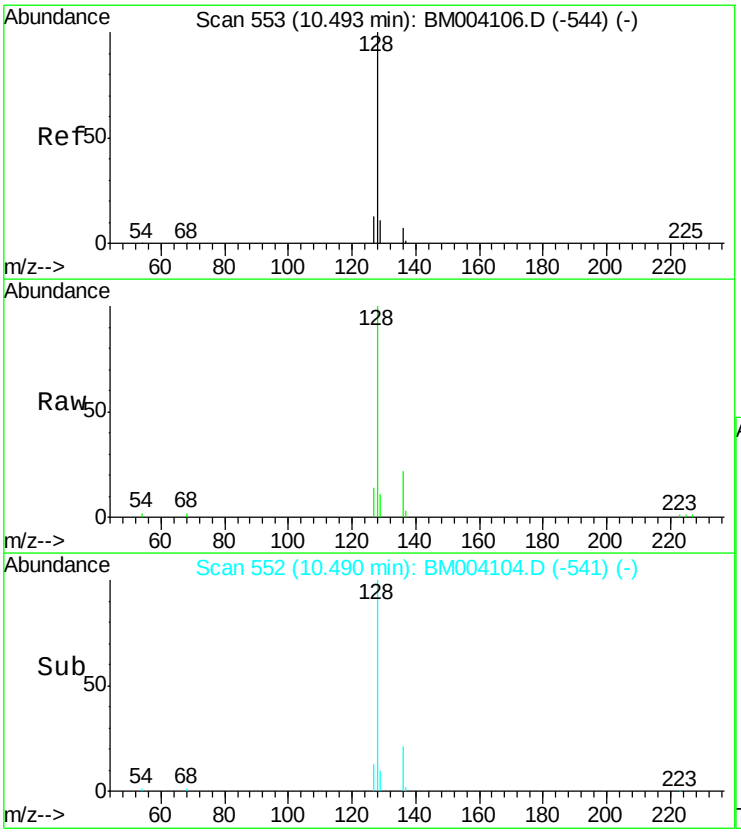
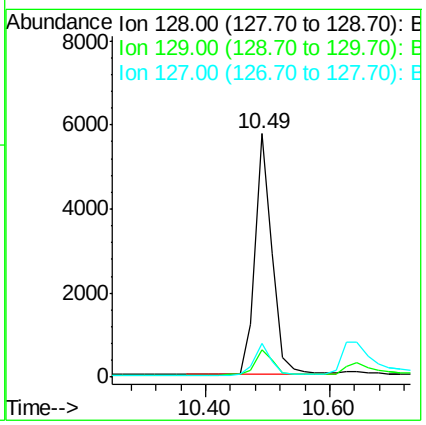
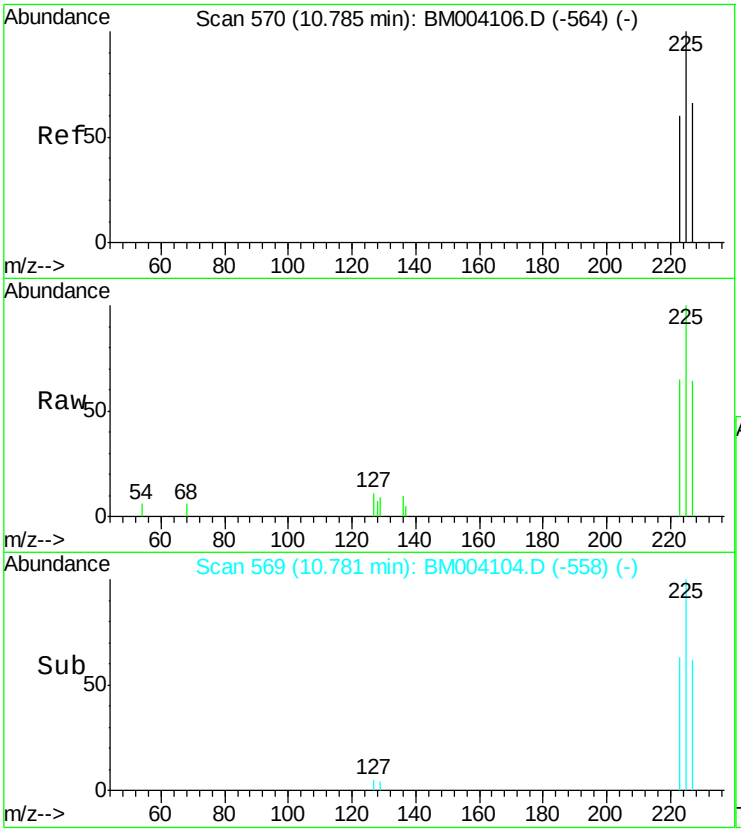


#10
Naphthalene
Concen: 0.51 ng
RT: 10.49 min Scan# 552
Delta R.T. -0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:128 Resp: 10892

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.5	12.7
127	14.0	11.0	16.4

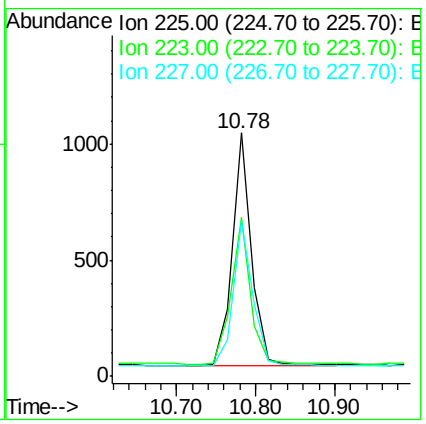




#11
Hexachlorobutadiene
Concen: 0.51 ng
RT: 10.78 min Scan# 569
Delta R.T. -0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:225 Resp: 1672

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.9	76.3
227	63.6	51.2	76.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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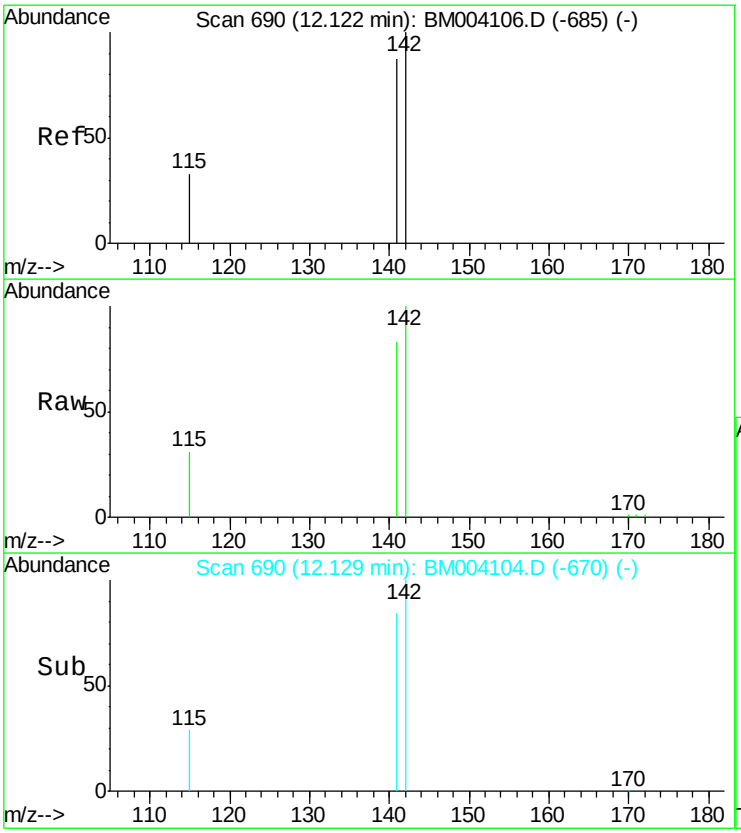
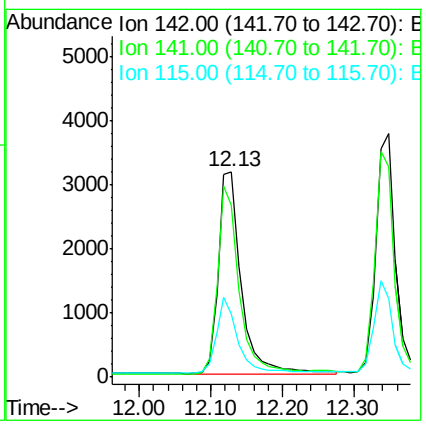
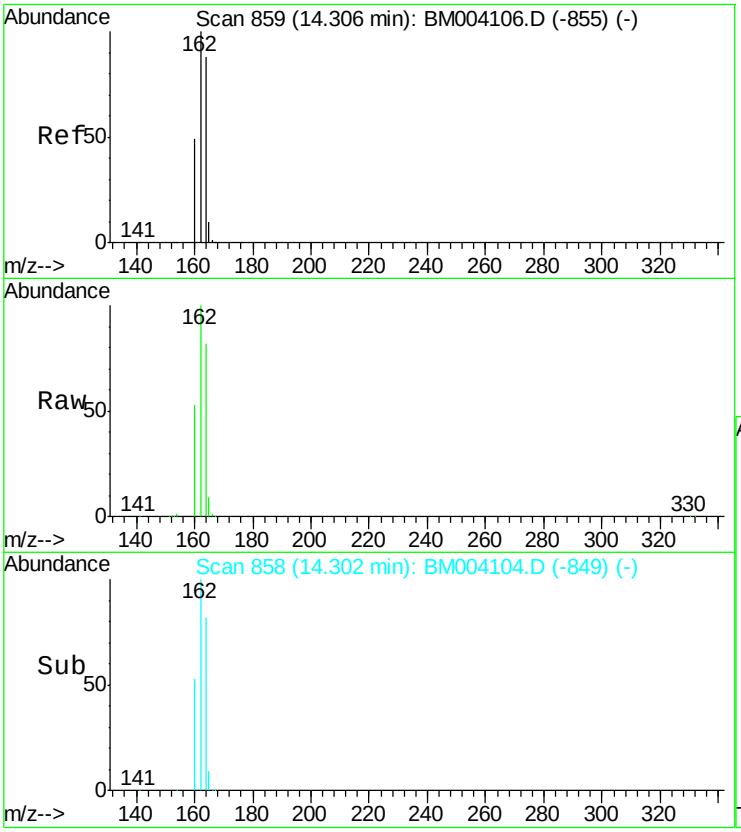


#12
2-Methylnaphthalene
Concen: 0.49 ng
RT: 12.13 min Scan# 690
Delta R.T. 0.01 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:142 Resp: 7019

Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.8	101.8
115	30.8	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: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:164 Resp: 56246

Ion	Ratio	Lower	Upper
164	100		
162	121.5	86.0	129.0
160	64.1	40.3	60.5#

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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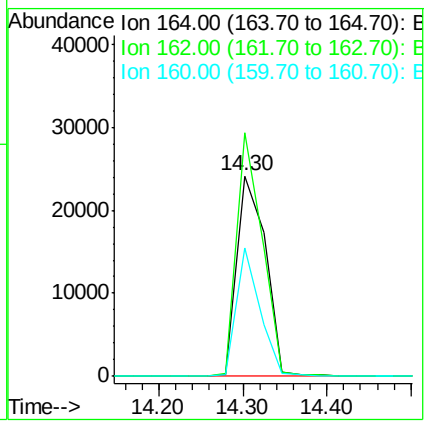
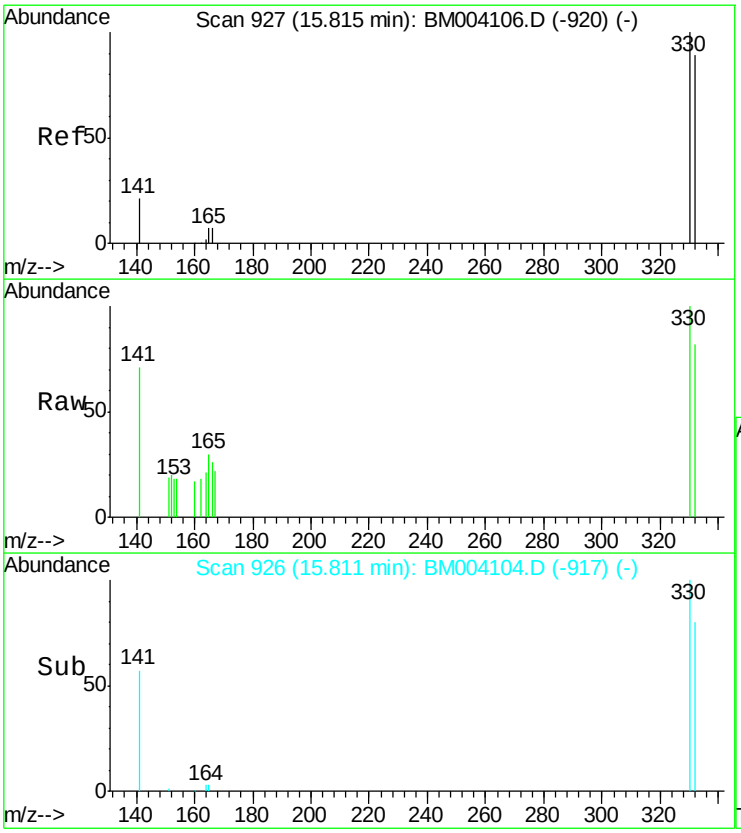
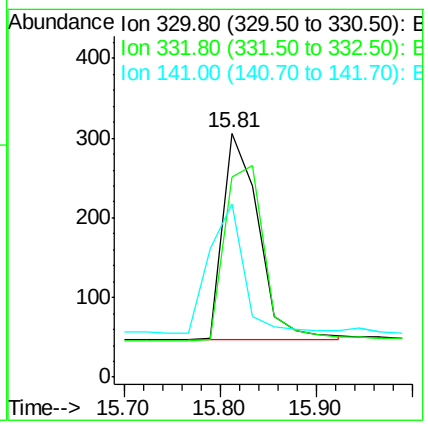


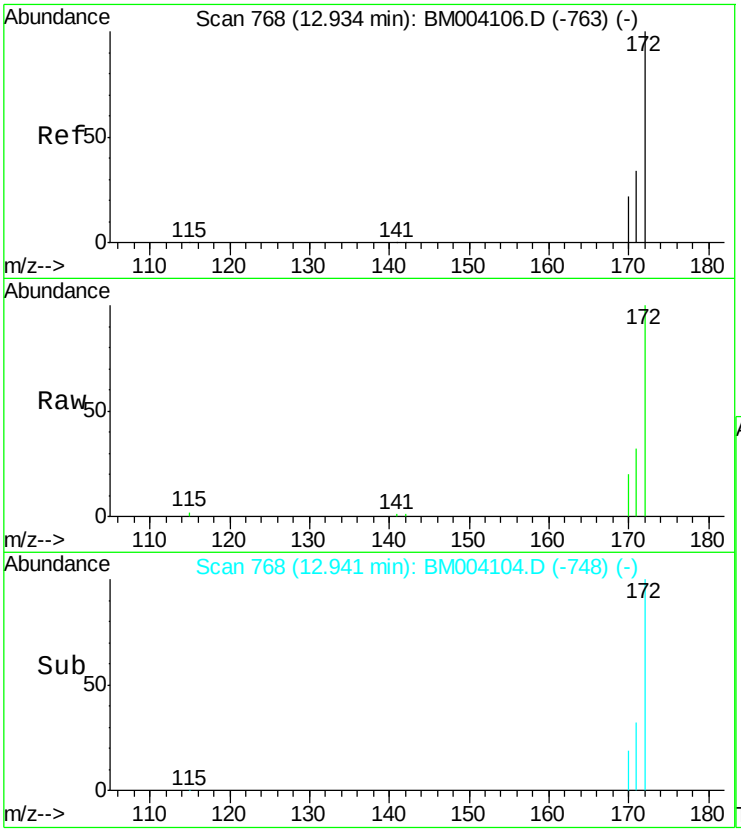


#14
2,4,6-Tribromophenol
Concen: 0.52 ng
RT: 15.81 min Scan# 926
Delta R.T. -0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:330 Resp: 675

Ion	Ratio	Lower	Upper
330	100		
332	0.0	79.0	118.4#
141	60.1	27.8	41.6#

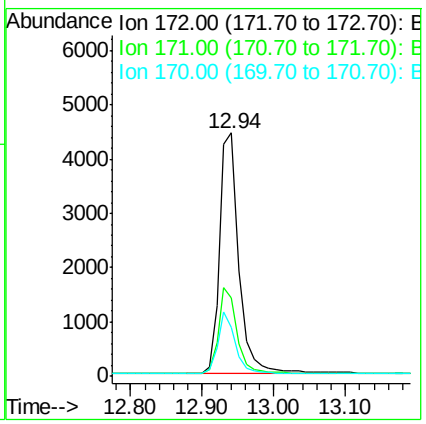




#15
2-Fluorobiphenyl
Concen: 0.46 ng
RT: 12.94 min Scan# 768
Delta R.T. 0.01 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:172 Resp: 8392

Ion	Ratio	Lower	Upper
172	100		
171	32.3	27.0	40.6
170	19.9	17.9	26.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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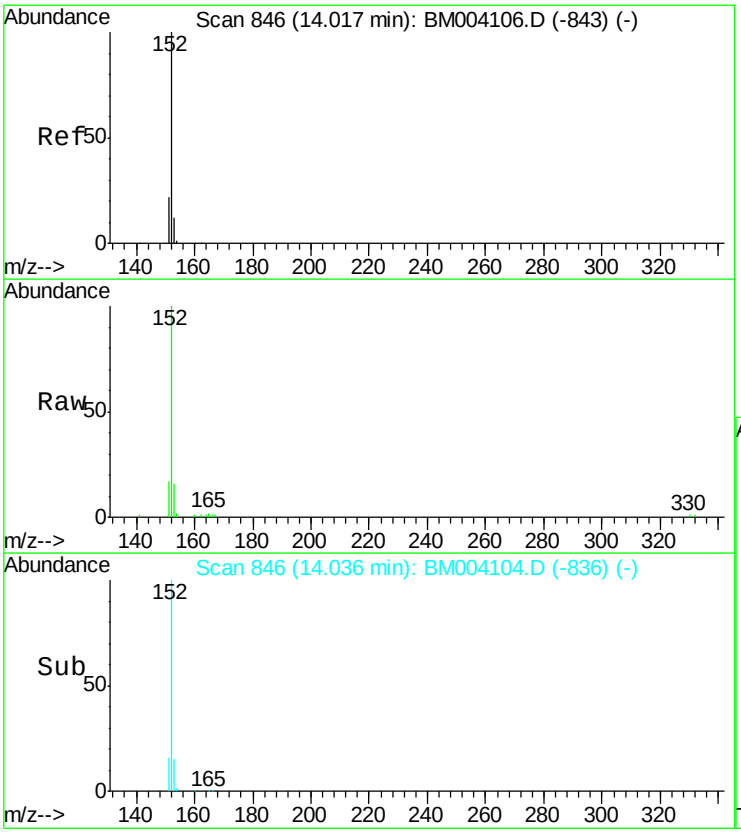
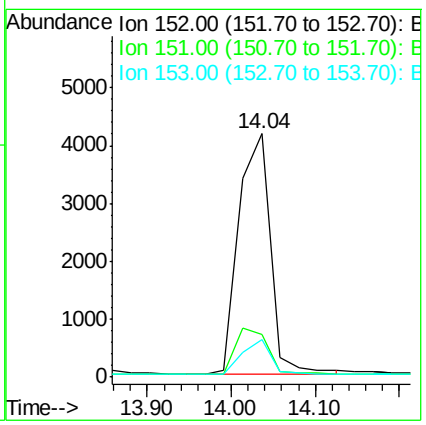
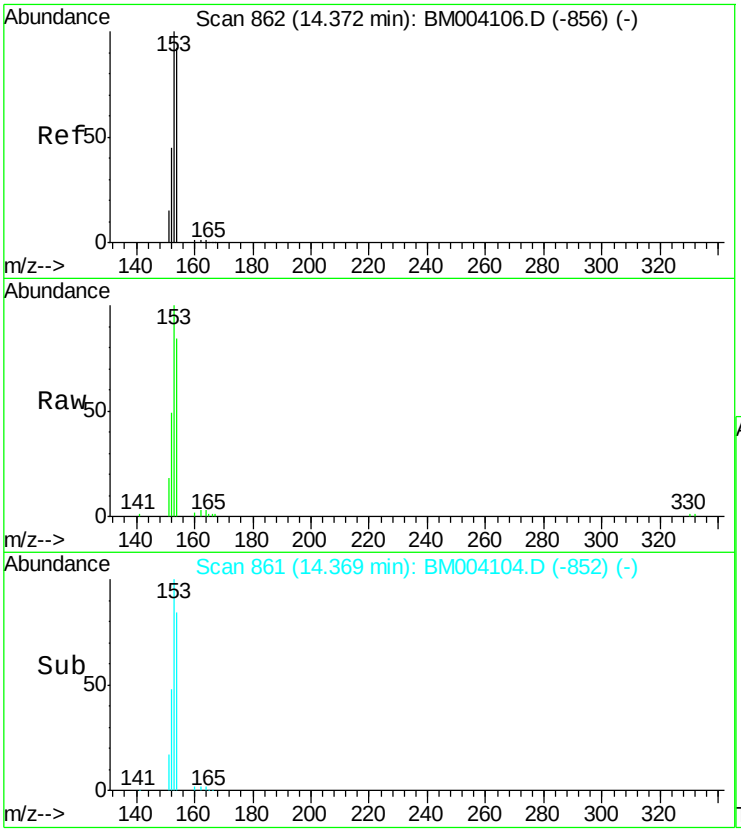


#16
Acenaphthylene
Concen: 0.46 ng
RT: 14.04 min Scan# 846
Delta R.T. 0.02 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:152 Resp: 10817

Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.8	23.8#
153	12.9	10.2	15.4

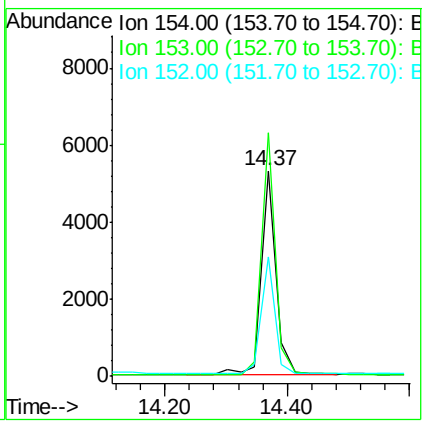




#17
Acenaphthene
Concen: 0.53 ng
RT: 14.37 min Scan# 861
Delta R.T. -0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:154 Resp: 8729

Ion	Ratio	Lower	Upper
154	100		
153	112.4	85.4	128.2
152	54.2	40.6	60.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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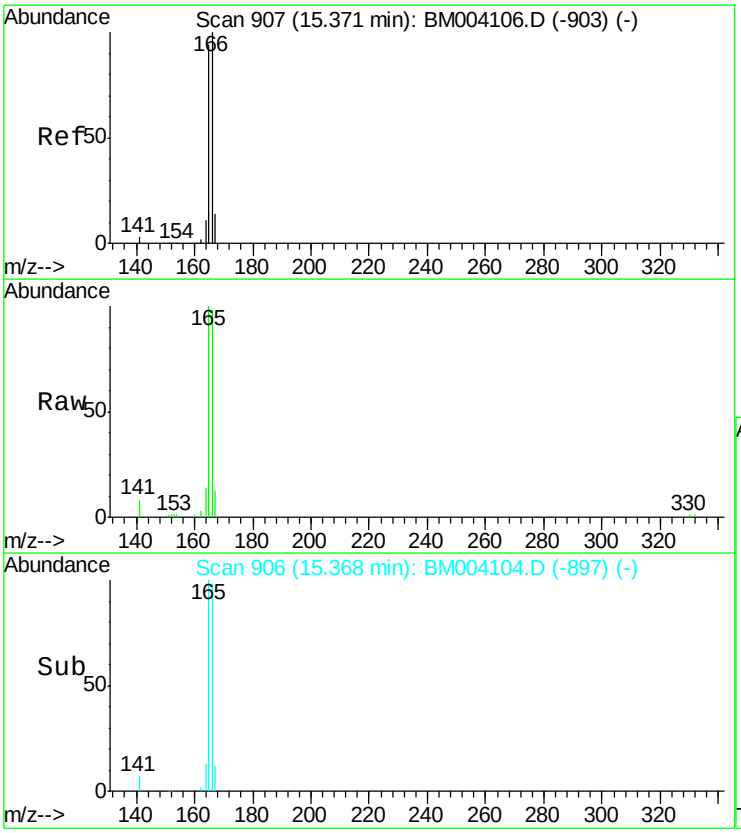
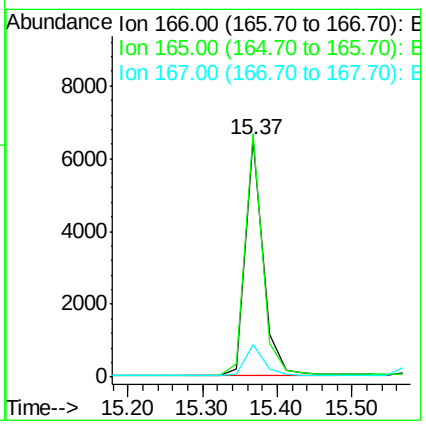
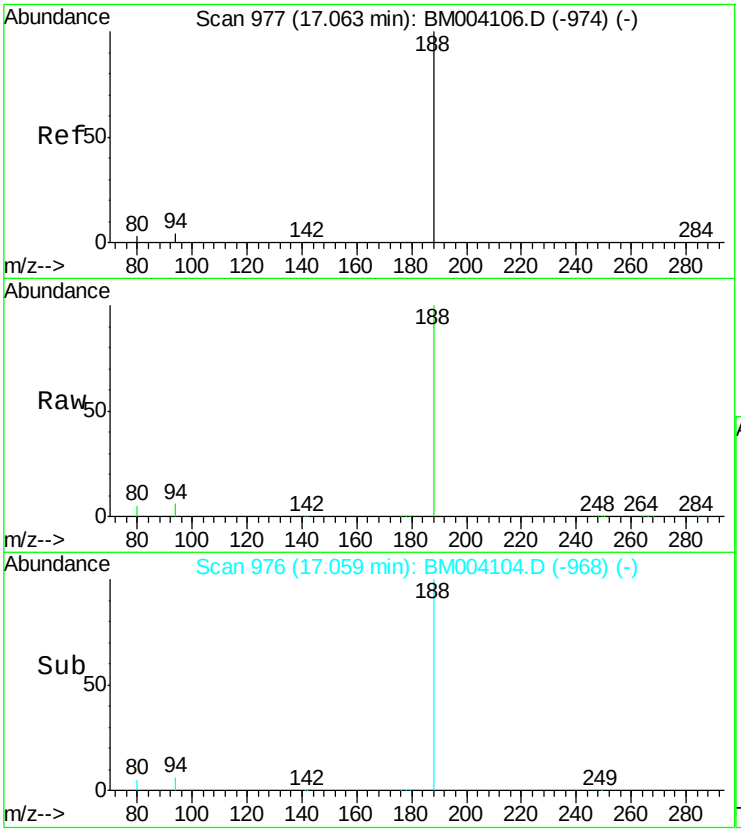


#18
Fluorene
Concen: 0.55 ng
RT: 15.37 min Scan# 906
Delta R.T. -0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:166 Resp: 10744

Ion	Ratio	Lower	Upper
166	100		
165	99.7	77.2	115.8
167	13.2	11.0	16.6

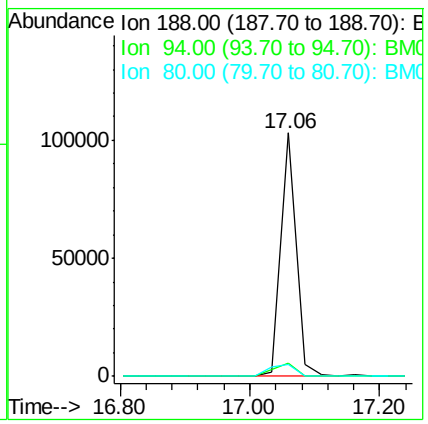




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 976
Delta R.T. -0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:188 Resp: 170165

Ion	Ratio	Lower	Upper
188	100		
94	5.6	20.3	30.5#
80	4.9	22.2	33.4#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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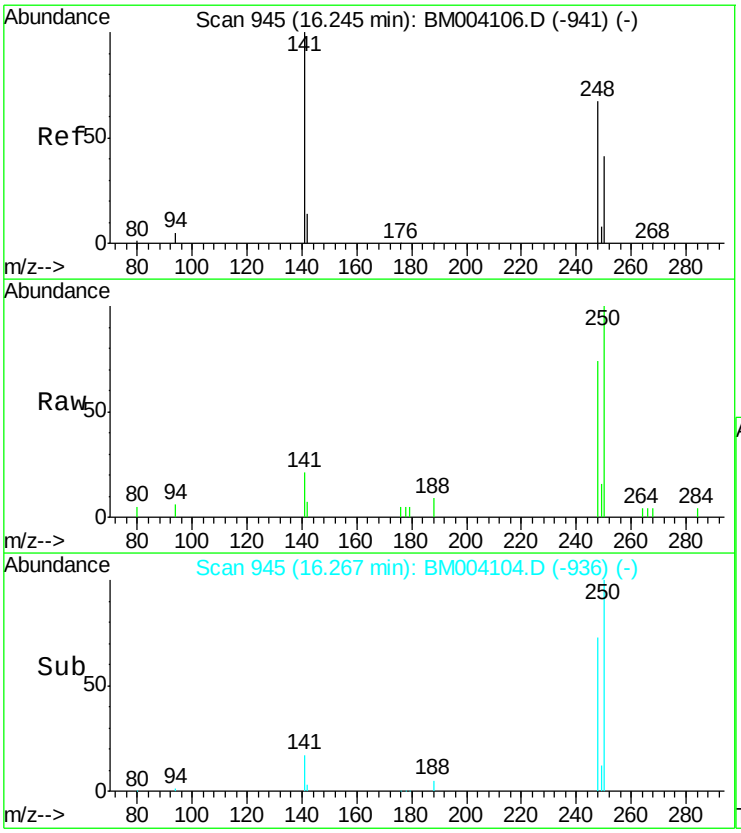
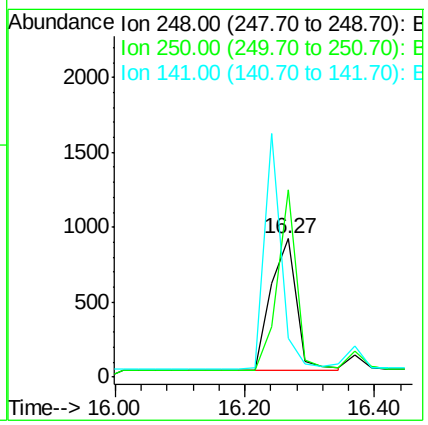
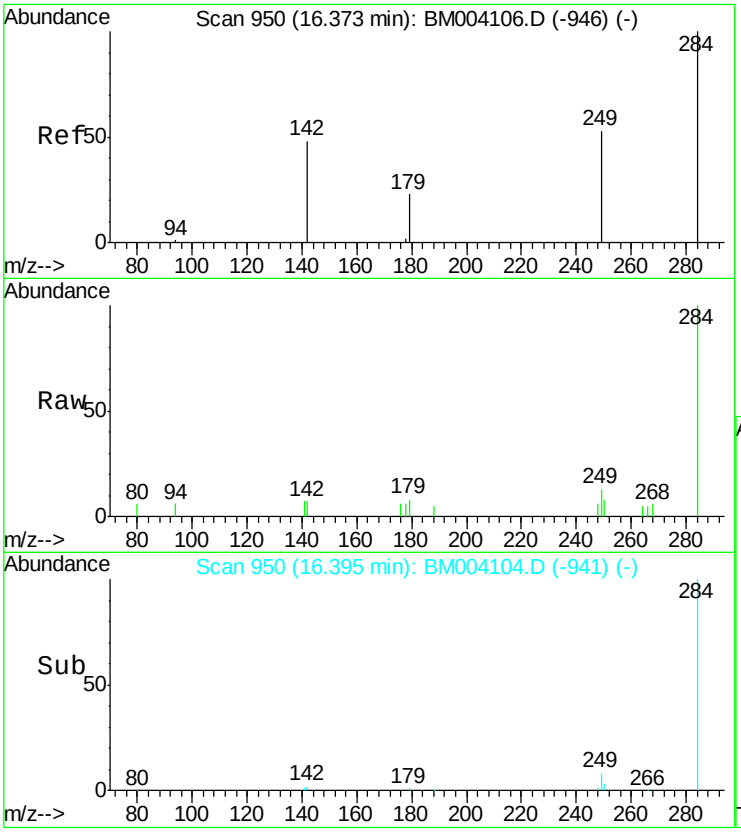


#20
4-Bromophenyl-phenylether
Concen: 0.45 ng
RT: 16.27 min Scan# 945
Delta R.T. 0.02 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:248 Resp: 2374

Ion	Ratio	Lower	Upper
248	100		
250	102.8	75.0	112.4
141	0.0	53.0	79.4#

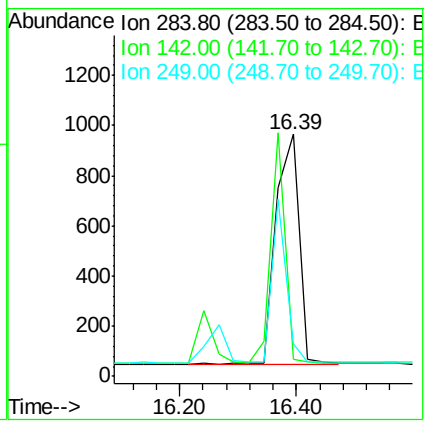




#21
Hexachlorobenzene
Concen: 0.45 ng
RT: 16.39 min Scan# 950
Delta R.T. 0.02 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:284 Resp: 2529

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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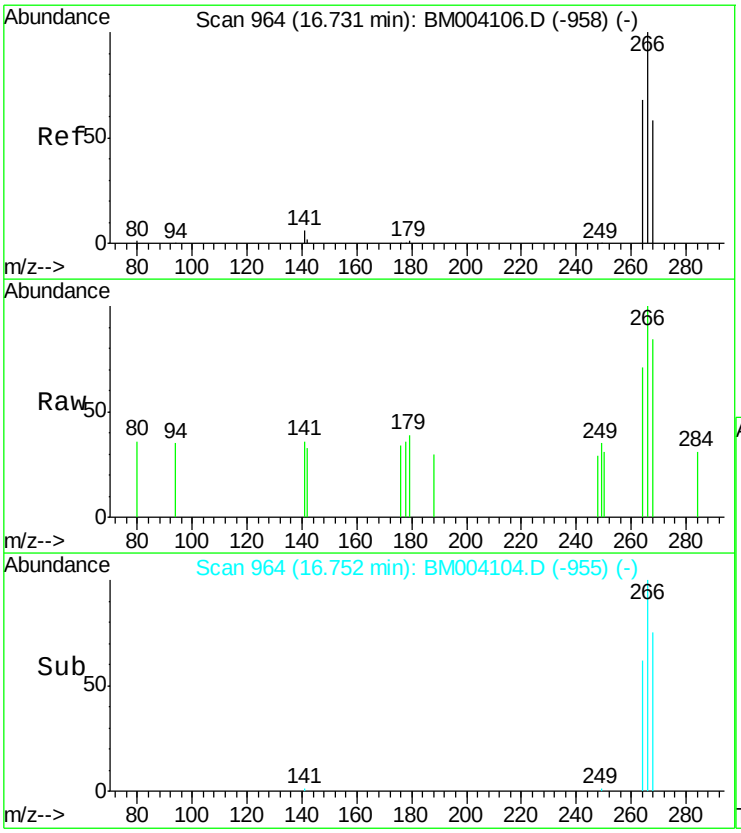
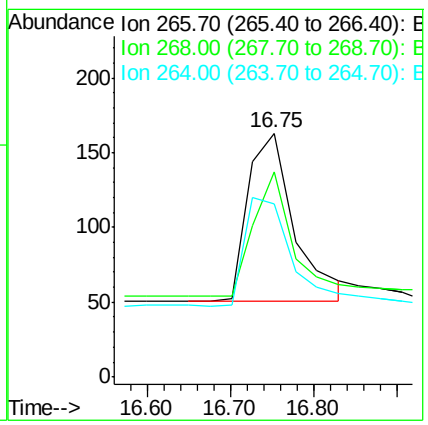
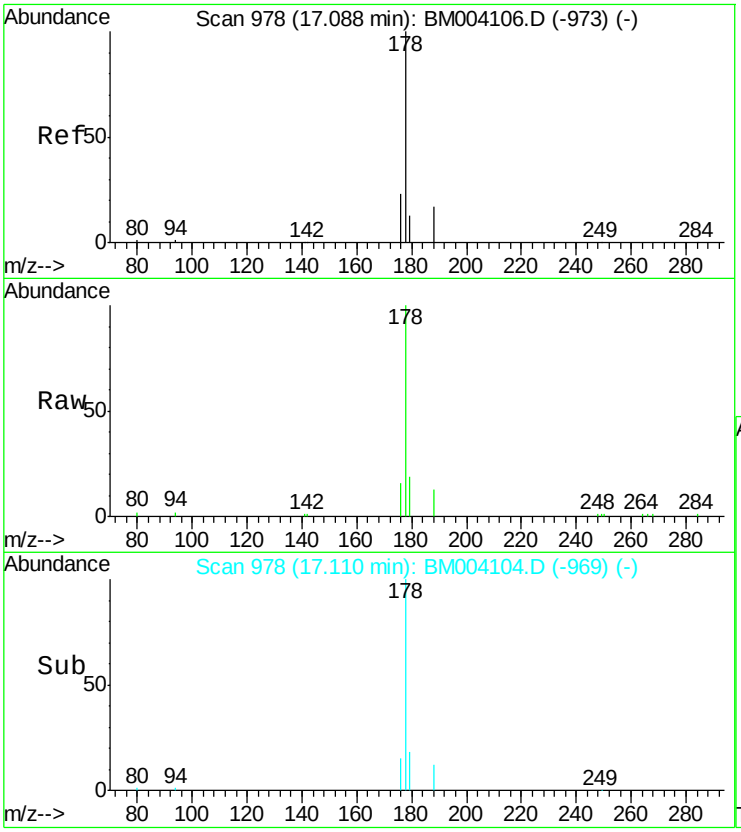


#22
Pentachlorophenol
Concen: 0.29 ng
RT: 16.75 min Scan# 964
Delta R.T. 0.02 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:266 Resp: 426

Ion	Ratio	Lower	Upper
266	100		
268	84.0	62.7	94.1
264	71.2	45.7	68.5#

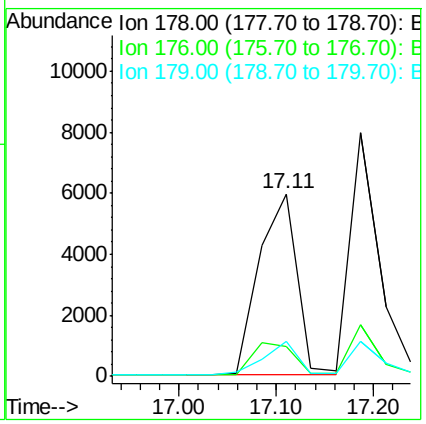




#23
Phenanthrene
Concen: 0.46 ng
RT: 17.11 min Scan# 978
Delta R.T. 0.02 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:178 Resp: 16148

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.4	23.0#
179	16.3	12.2	18.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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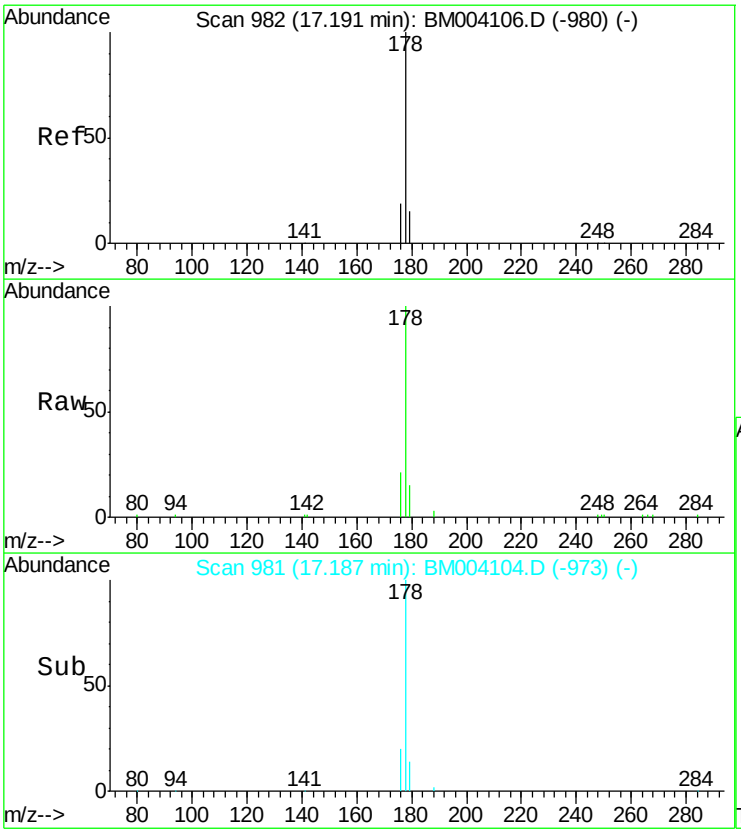
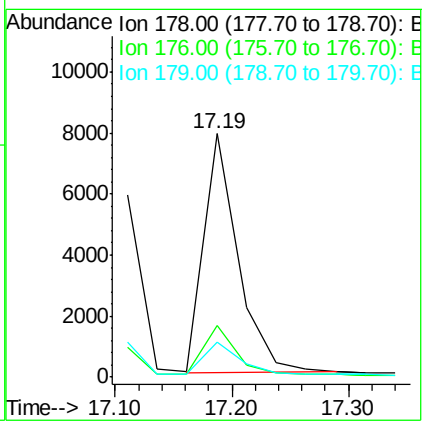
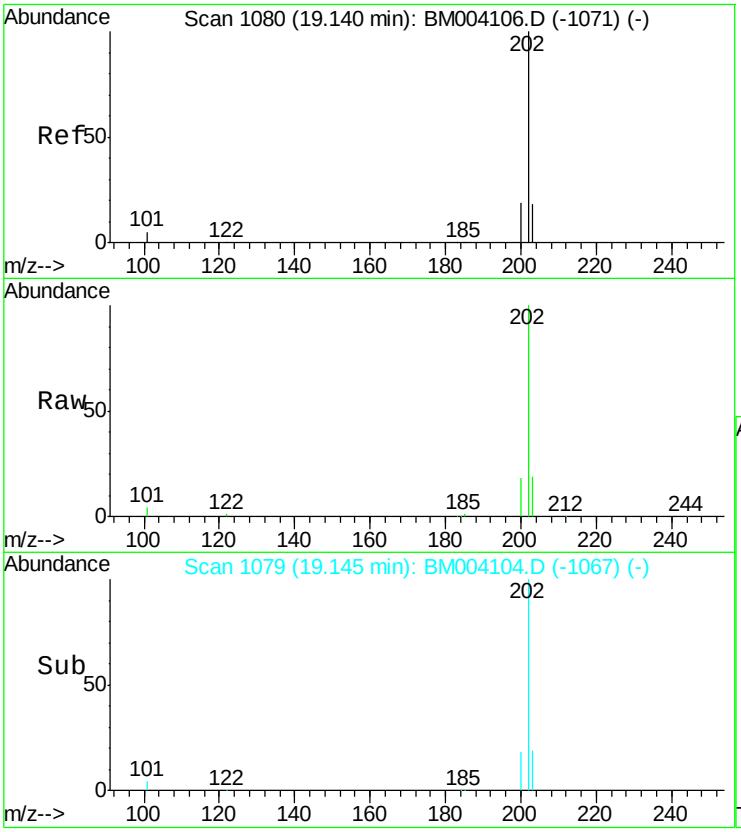


#24
Anthracene
Concen: 0.47 ng
RT: 17.19 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:178 Resp: 15976

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	21.8
179	14.7	12.6	19.0

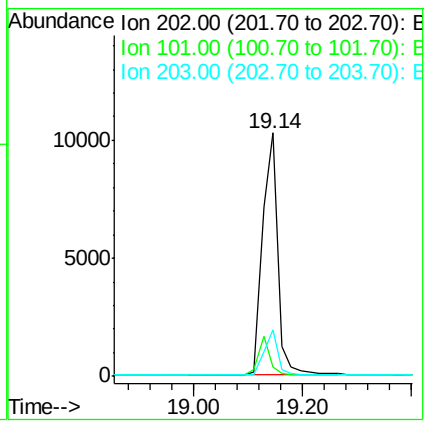




#25
Fluoranthene
Concen: 0.53 ng
RT: 19.14 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:202 Resp: 20204

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.7	14.5
203	17.2	13.8	20.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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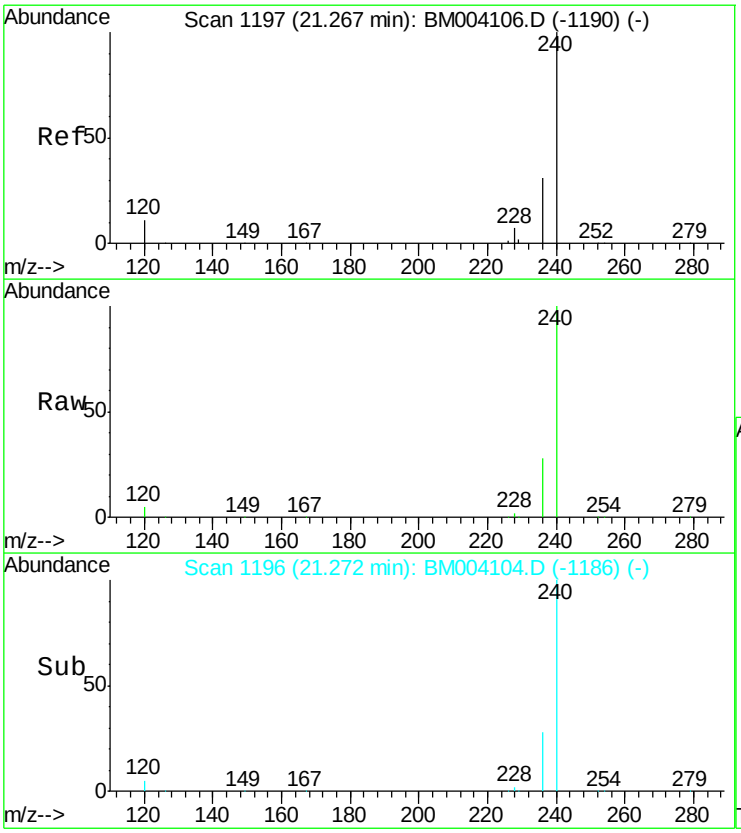
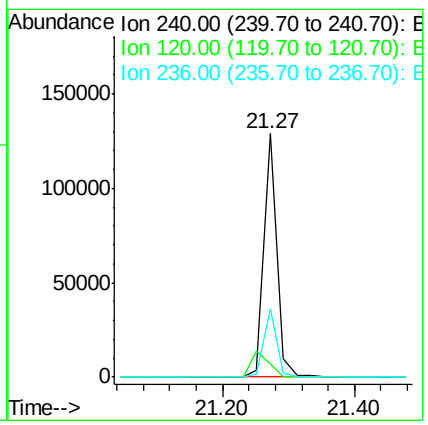
1/25/2016 1:32:36 PM

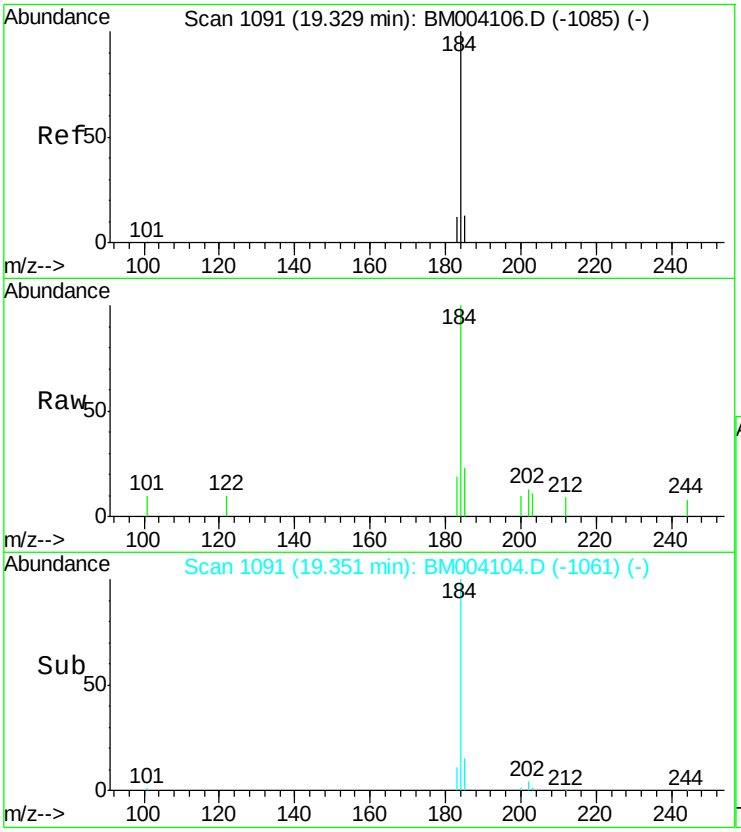


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:240 Resp: 178132

Ion	Ratio	Lower	Upper
240	100		
120	5.4	0.9	1.3#
236	28.2	17.3	25.9#

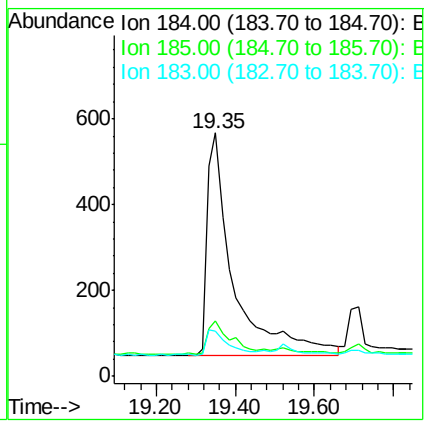




#27
Benzidine
Concen: 0.16 ng
RT: 19.35 min Scan# 1091
Delta R.T. 0.02 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:184 Resp: 2376

Ion	Ratio	Lower	Upper
184	100		
185	22.8	13.2	19.8#
183	18.7	9.0	13.6#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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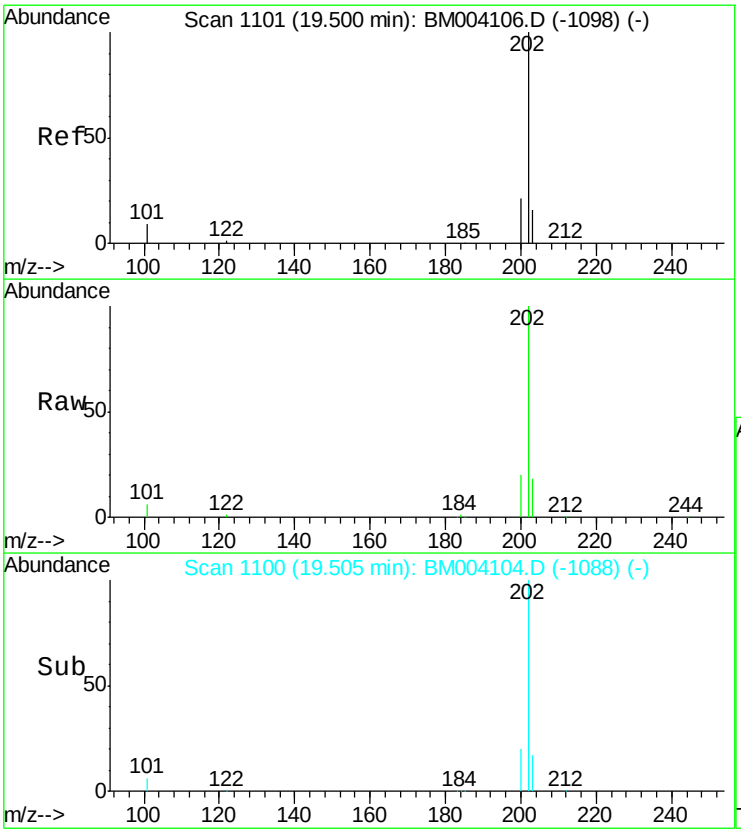
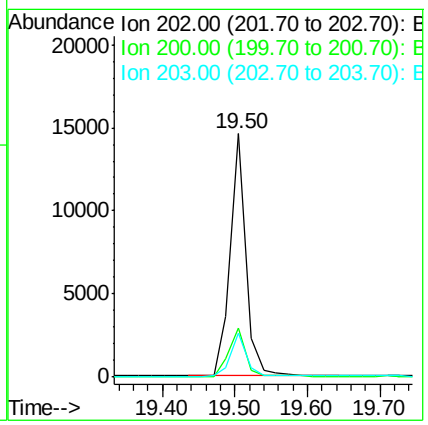
1/25/2016 1:32:36 PM

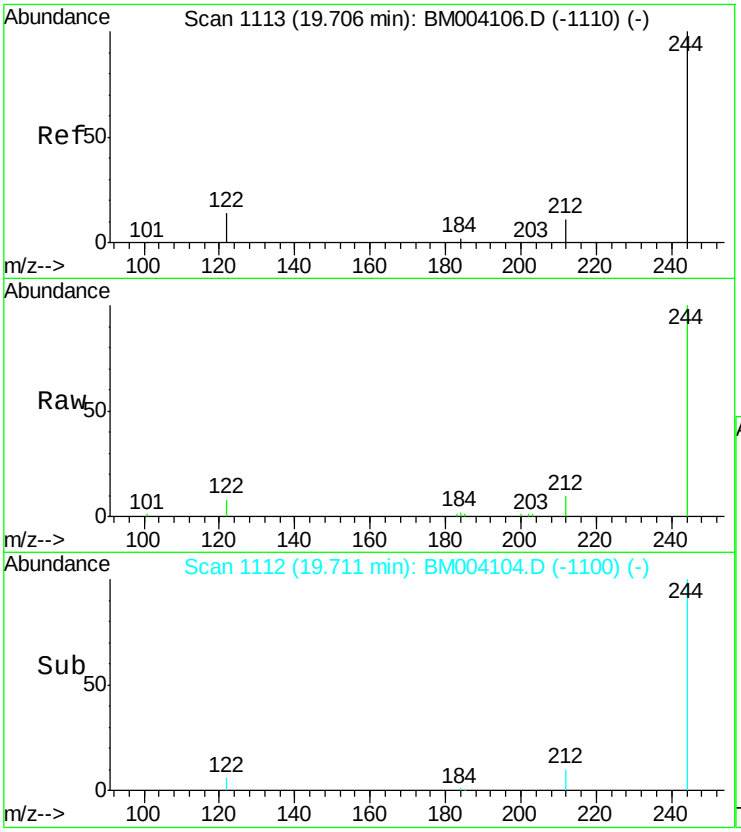


#28
Pyrene
Concen: 0.34 ng
RT: 19.50 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:202 Resp: 21944

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	17.4	14.0	21.0





#29
Terphenyl-d14
Concen: 0.35 ng
RT: 19.71 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:244 Resp: 10237

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.0	10.6
122	8.0	3.0	4.6#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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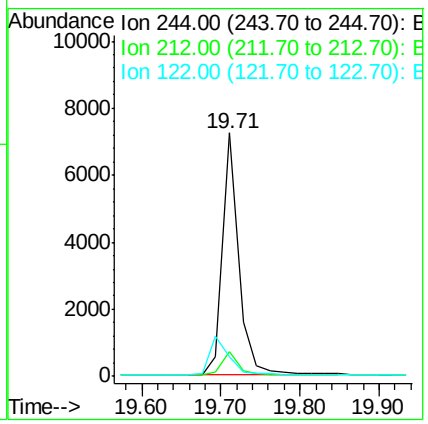
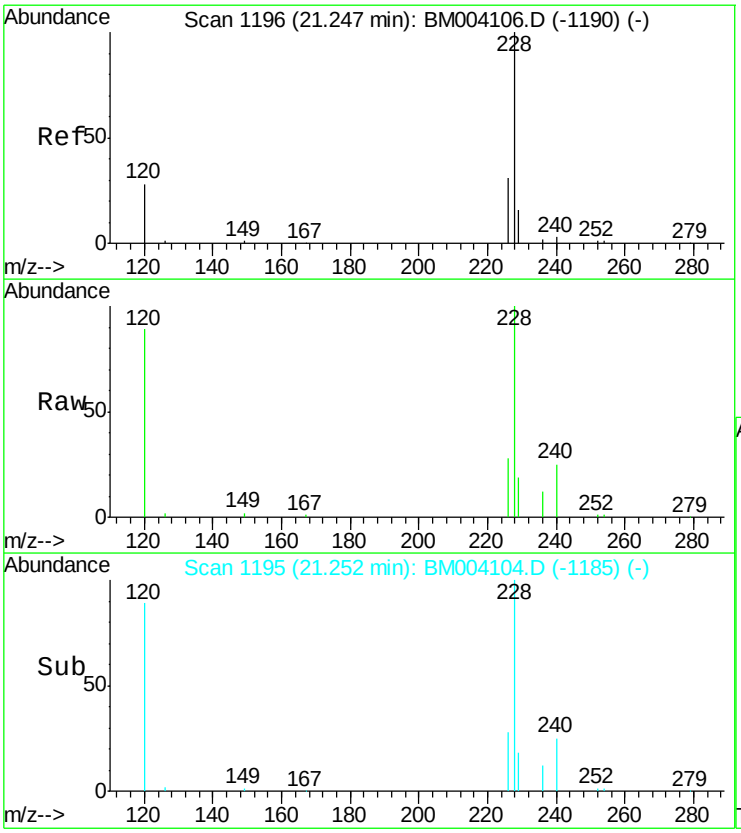
1/25/2016 1:32:36 PM

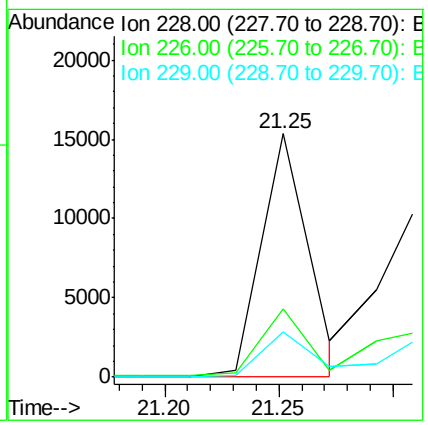


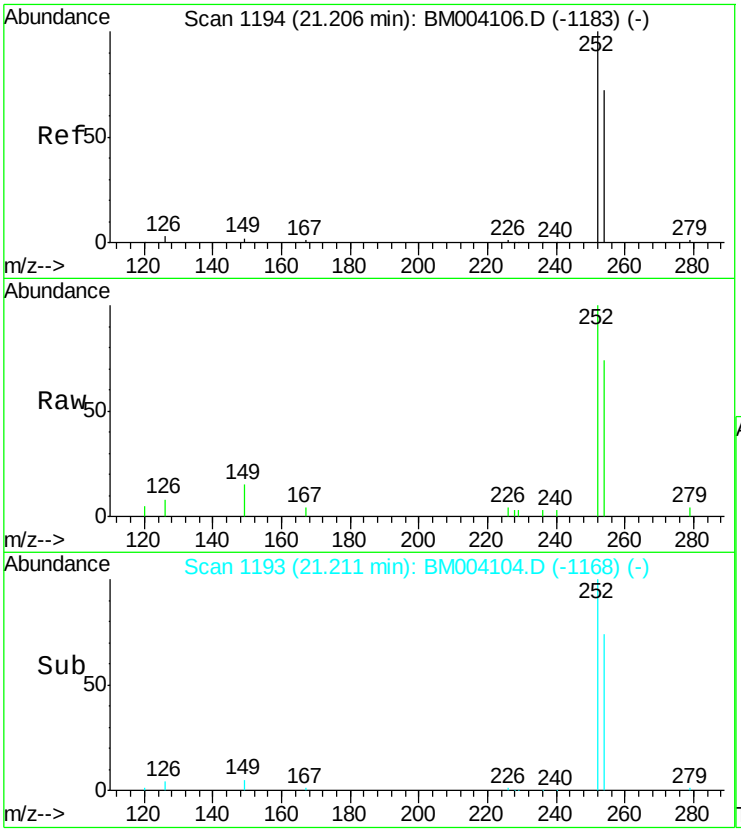


#30
Benzo(a)anthracene
Concen: 0.44 ng m
RT: 21.25 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:228 Resp: 22298

Ion	Ratio	Lower	Upper
228	100		
226	27.9	17.2	25.8#
229	18.7	18.7	28.1#





#31
3,3'-Dichlorobenzidine
Concen: 0.34 ng
RT: 21.21 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:252 Resp: 4411

Ion	Ratio	Lower	Upper
252	100		
254	74.1	52.6	79.0
126	7.8	3.7	5.5#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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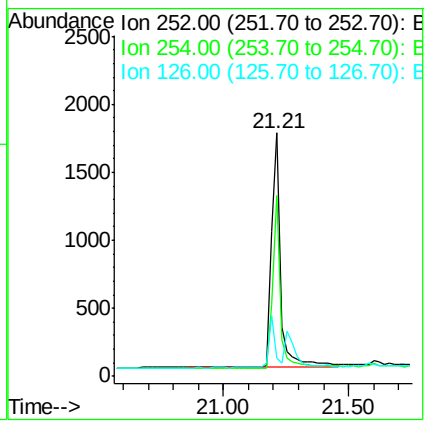
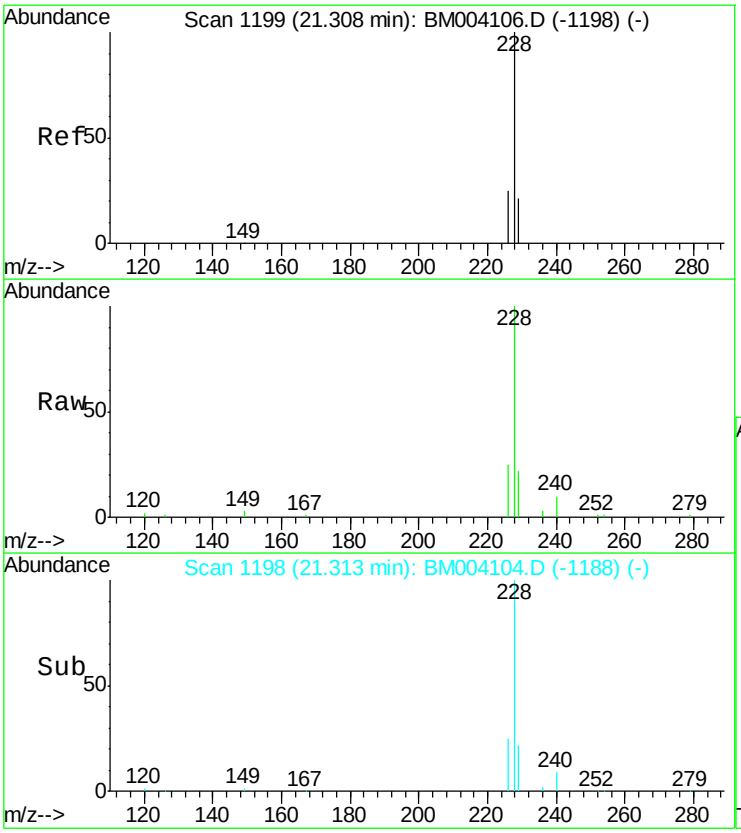
1/25/2016 1:32:36 PM

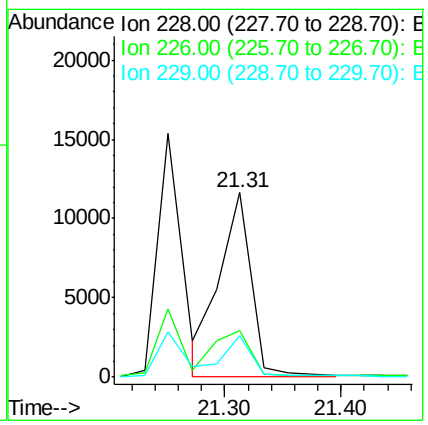


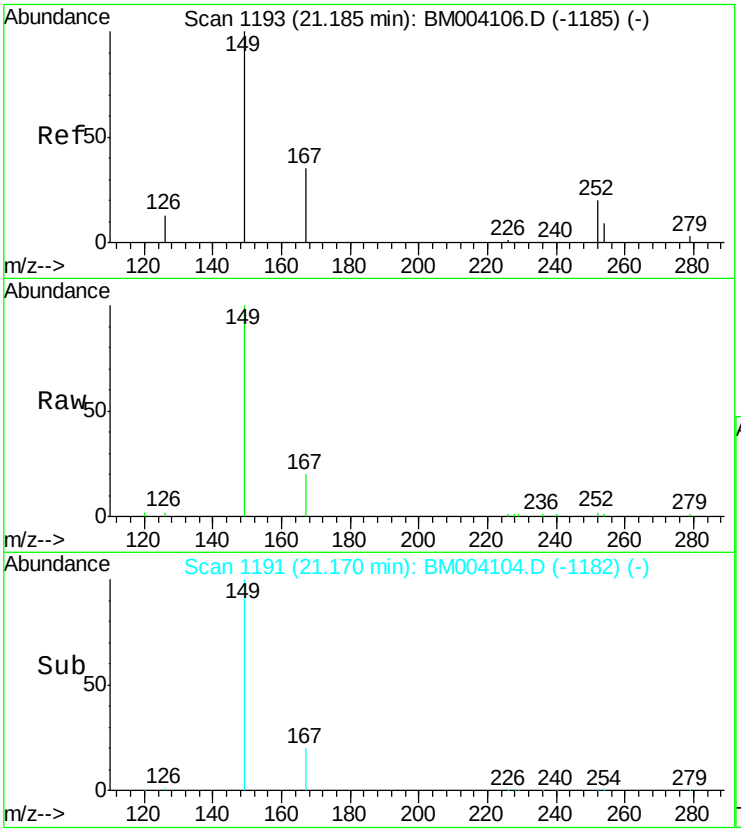


#32
Chrysene
Concen: 0.43 ng m
RT: 21.31 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:228 Resp: 22480

Ion	Ratio	Lower	Upper
228	100		
226	25.2	25.3	37.9#
229	22.4	14.5	21.7#





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 21.17 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:149 Resp: 7564

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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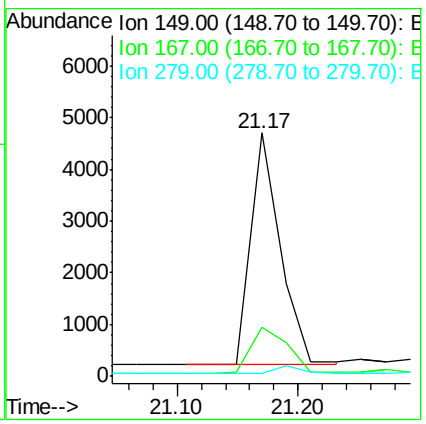
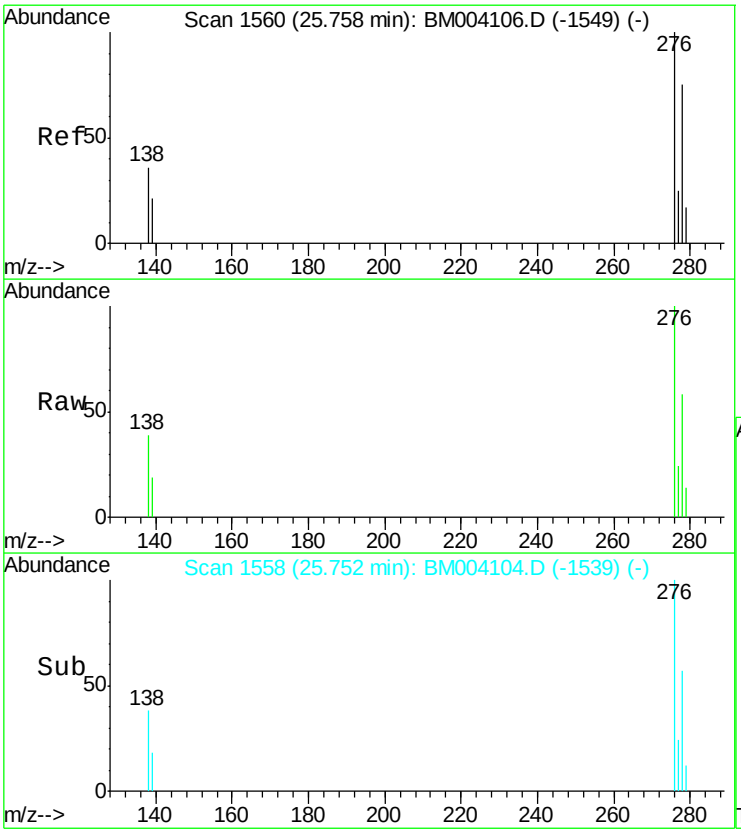
1/25/2016 1:32:36 PM

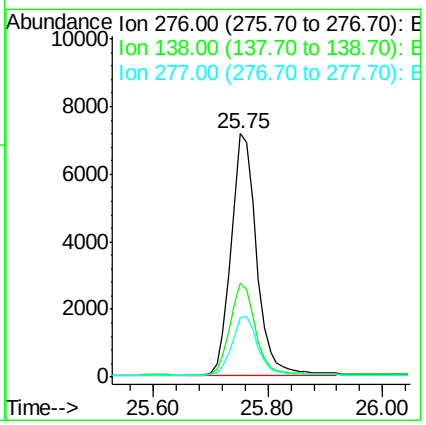


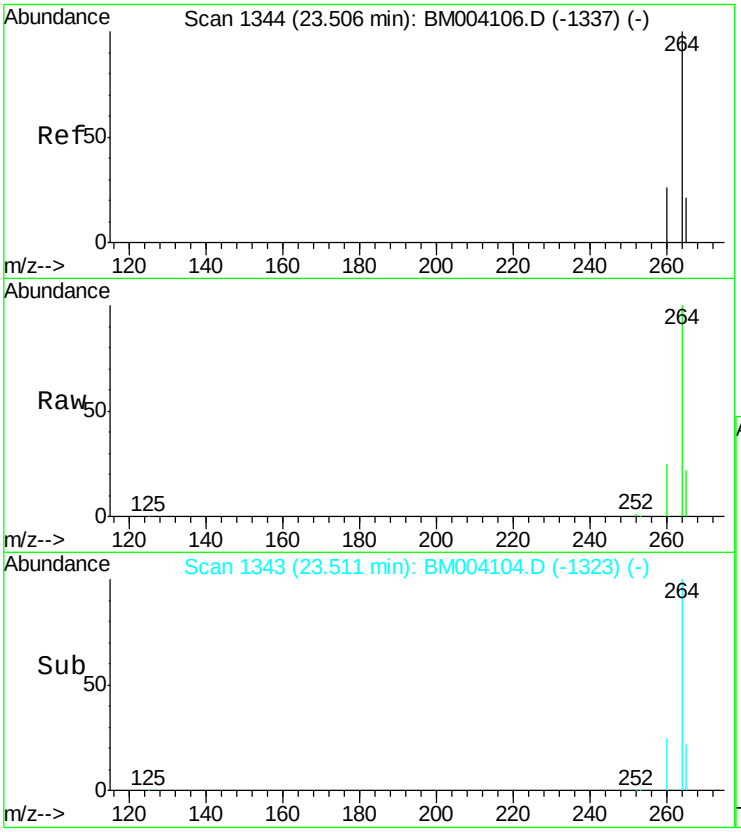


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.59 ng
RT: 25.75 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:276 Resp: 22204

Ion	Ratio	Lower	Upper
276	100		
138	37.7	30.2	45.2
277	24.7	19.8	29.8

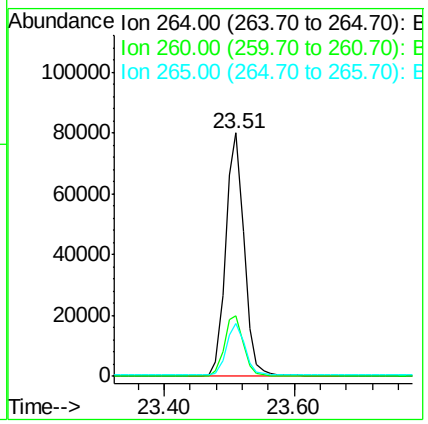




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:264 Resp: 156945

Ion	Ratio	Lower	Upper
264	100		
260	24.8	21.2	31.8
265	22.0	16.7	25.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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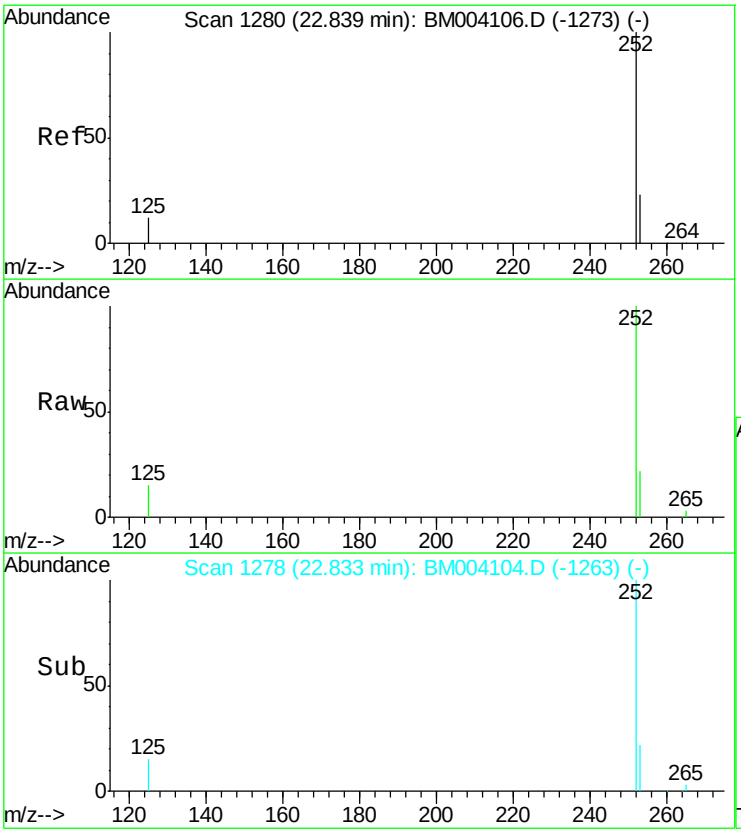
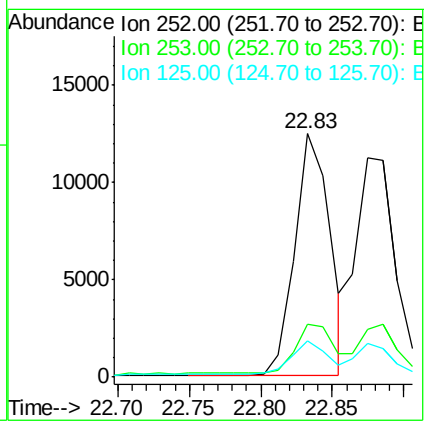
1/25/2016 1:32:36 PM

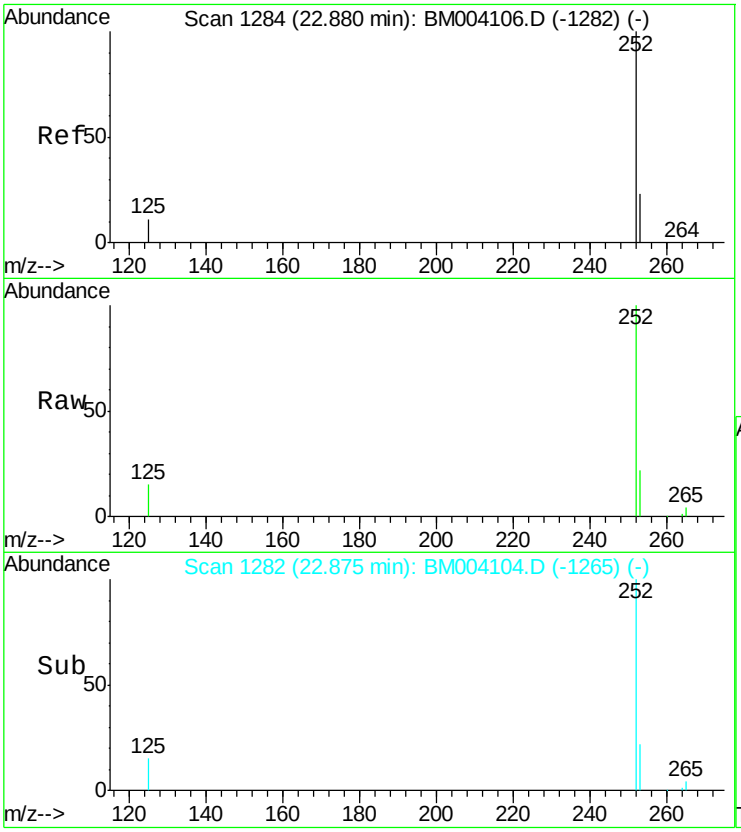


#36
Benzo(b)fluoranthene
Concen: 0.44 ng
RT: 22.83 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:252 Resp: 21154

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.8	28.2
125	14.7	10.2	15.4

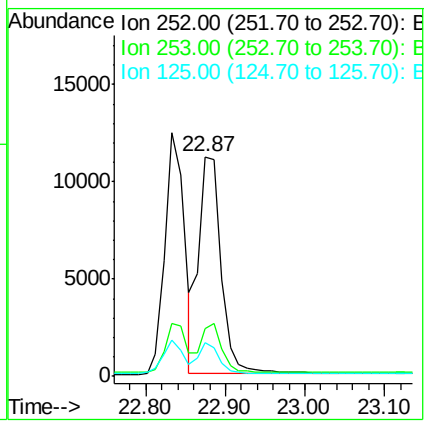




#37
Benzo(k)fluoranthene
Concen: 0.47 ng
RT: 22.87 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:252 Resp: 21889

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.3	27.5
125	15.3	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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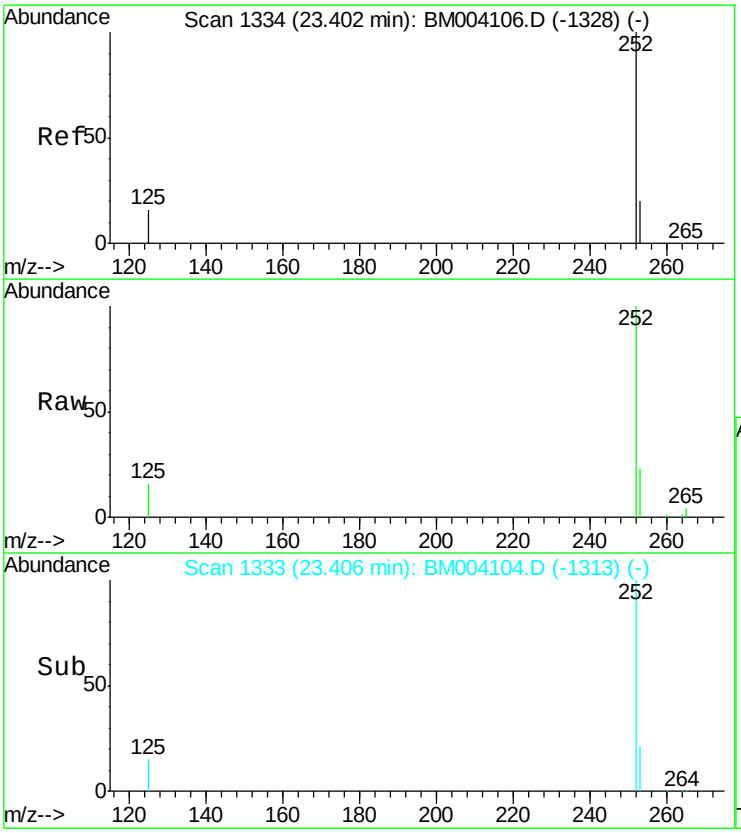
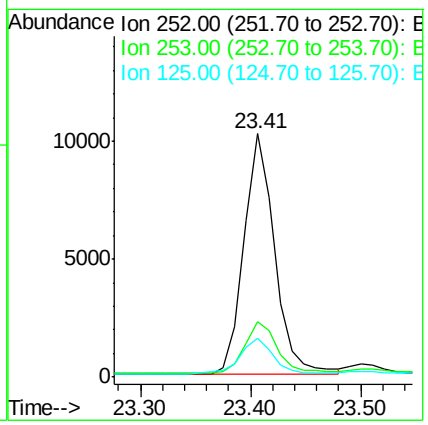
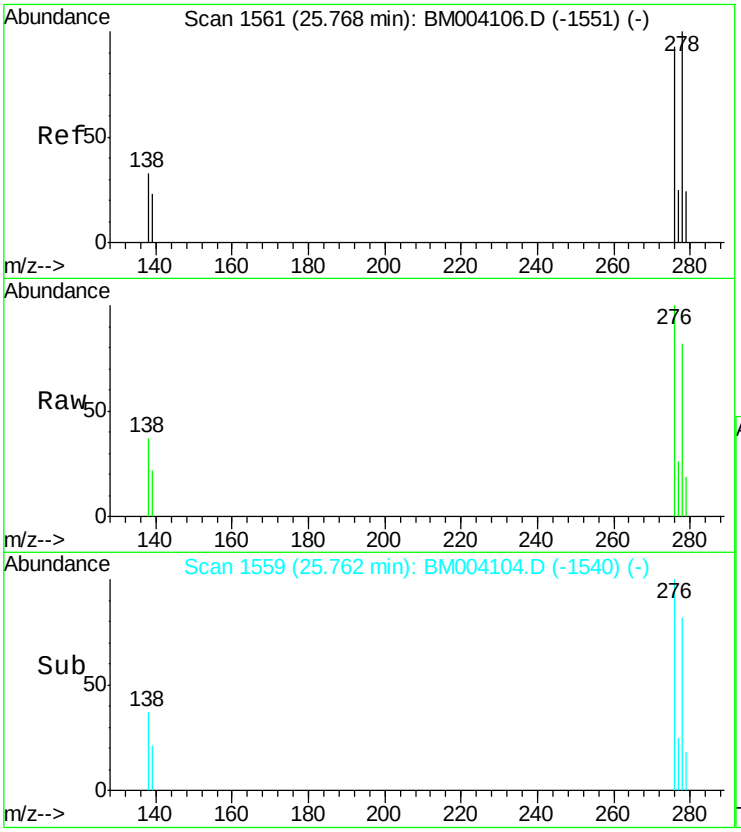


#38
Benzo(a)pyrene
Concen: 0.48 ng
RT: 23.41 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:252 Resp: 19746

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	16.0	11.8	17.8

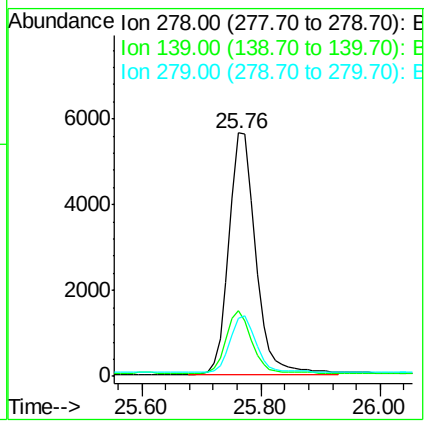




#39
Dibenzo(a,h)anthracene
Concen: 0.50 ng
RT: 25.76 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

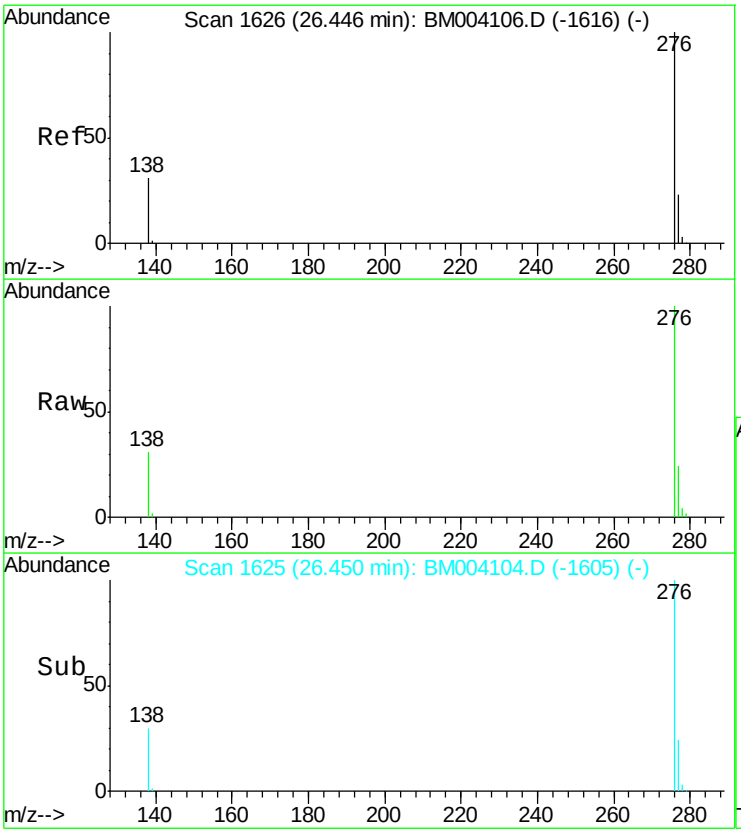
Tgt Ion:278 Resp: 17507

Ion	Ratio	Lower	Upper
278	100		
139	26.9	19.0	28.6
279	23.8	19.6	29.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
mohammad
1/25/2016 1:32:36 PM



#40
Benzo(g,h,i)perylene
Concen: 0.52 ng
RT: 26.45 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 22 Jan 2016 11:04

Tgt Ion:276 Resp: 19318

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	31.3	25.0	37.4