Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030516\
Data File : BM004559.D
Acq On : 05 Mar 2016 16:56
Operator : SJ/UM
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.2

Manual Integrations APPROVED
UMANGI
3/7/2016 12:36:35 PM

Quant Time: Mar 07 07:35:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM030516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 07 07:21:48 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	26448	5.00	ng	0.00
7) Naphthalene-d8	10.06	136	101916	5.00	ng	0.00
13) Acenaphthene-d10	13.98	164	53386	5.00	ng	0.00
19) Phenanthrene-d10	16.74	188	135417	5.00	ng	0.00
25) Chrysene-d12	20.97	240	116173	5.00	ng	-0.01
34) Perylene-d12	23.09	264	112017	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.01	112	1587	0.28	ng	0.00
5) Phenol-d6	6.64	99	1824	0.28	ng	0.02
8) Nitrobenzene-d5	8.49	82	1248m	0.27	ng	0.02
14) 2,4,6-Tribromophenol	15.51	330	571	0.34	ng	0.00
15) 2-Fluorobiphenyl	12.59	172	4736	0.28	ng	0.00
28) Terphenyl-d14	19.42	244	4970	0.22	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.87	88	834	0.29	ng	# 100
3) n-Nitrosodimethylamine	3.20	42	507	0.27	ng	# 100
6) bis(2-Chloroethyl)ether	6.75	93	1557	0.26	ng	# 23
9) Nitrobenzene	8.53	77	1453	0.28	ng	# 100
10) Naphthalene	10.11	128	6329	0.26	ng	# 96
11) Hexachlorobutadiene	10.39	225	1144	0.27	ng	# 100
12) 2-Methylnaphthalene	11.75	142	4192	0.28	ng	98
16) Acenaphthylene	13.69	152	7395	0.30	ng	# 41
17) Acenaphthene	14.02	154	4737	0.30	ng	# 57
18) Fluorene	15.04	166	6179	0.32	ng	# 78
20) Hexachlorobenzene	16.07	284	2076	0.35	ng	# 100
21) Pentachlorophenol	16.48	266	190	0.23	ng	88
22) Phenanthrene	16.76	178	8874	0.27	ng	# 100
23) Anthracene	16.86	178	8192	0.27	ng	# 100
24) Fluoranthene	18.84	202	11089	0.26	ng	97
26) Benzidine	19.10	184	343	0.04	ng	# 1
27) Pyrene	19.20	202	11983	0.27	ng	# 84
29) Benzo(a)anthracene	20.97	228	9892	0.25	ng	# 94
30) 3,3'-Dichlorobenzidine	20.93	252	2593	0.23	ng	# 92
31) Chrysene	21.01	228	10918m	0.23	ng	
32) Bis(2-ethylhexyl)phthalate	20.89	149	7848	0.32	ng	# 55
33) Indeno(1,2,3-cd)pyrene	25.17	276	9651	0.28	ng	# 82
35) Benzo(a)pyrene	22.99	252	8798	0.26	ng	# 89
36) Dibenzo(a,h)anthracene	25.17	278	7550	0.27	ng	# 90
37) Benzo(g,h,i)perylene	25.81	276	8432	0.27	ng	94

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030516\
Data File : BM004559.D
Acq On : 05 Mar 2016 16:56
Operator : SJ/UM
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 07:35:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM030516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 07 07:21:48 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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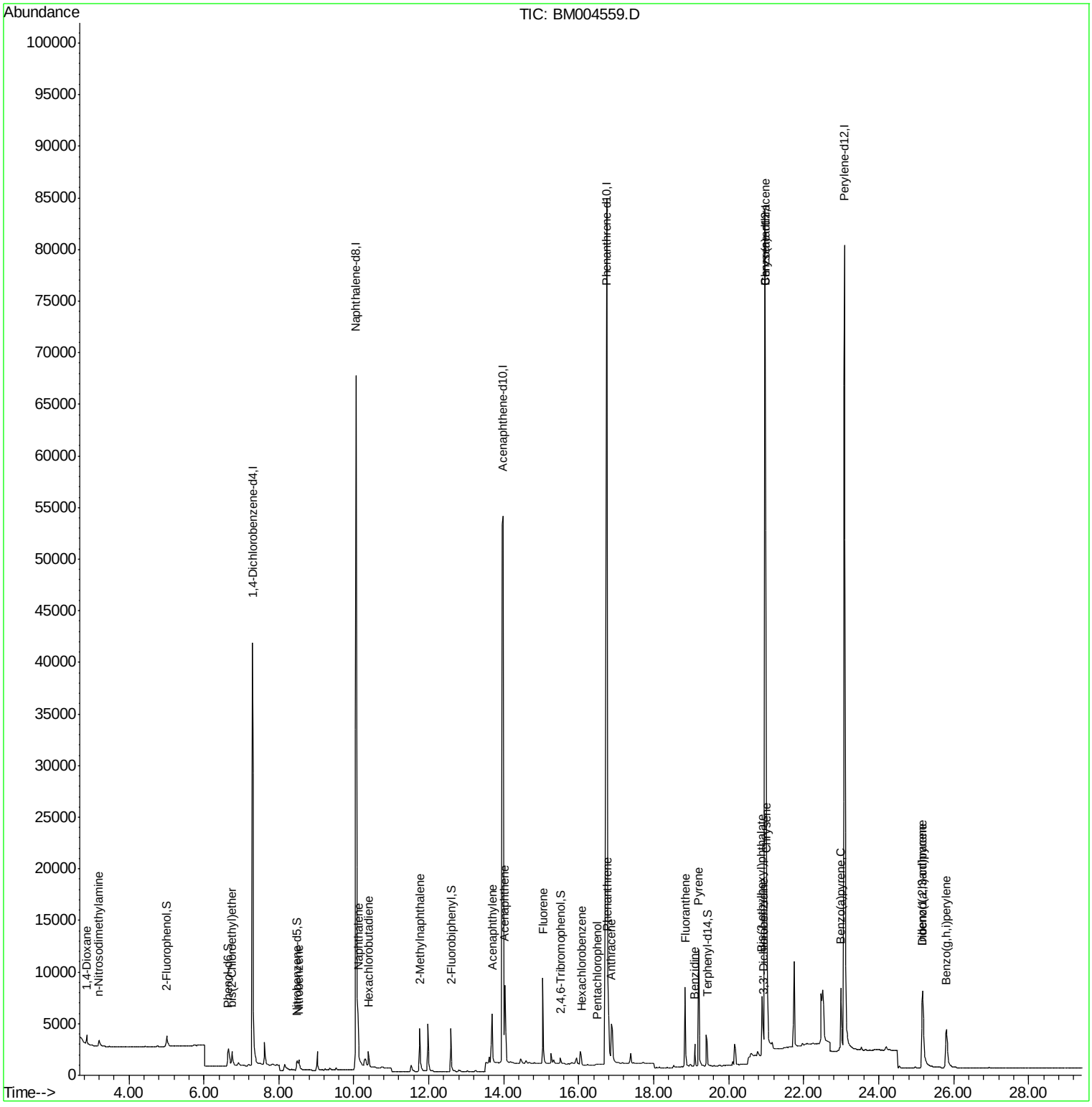
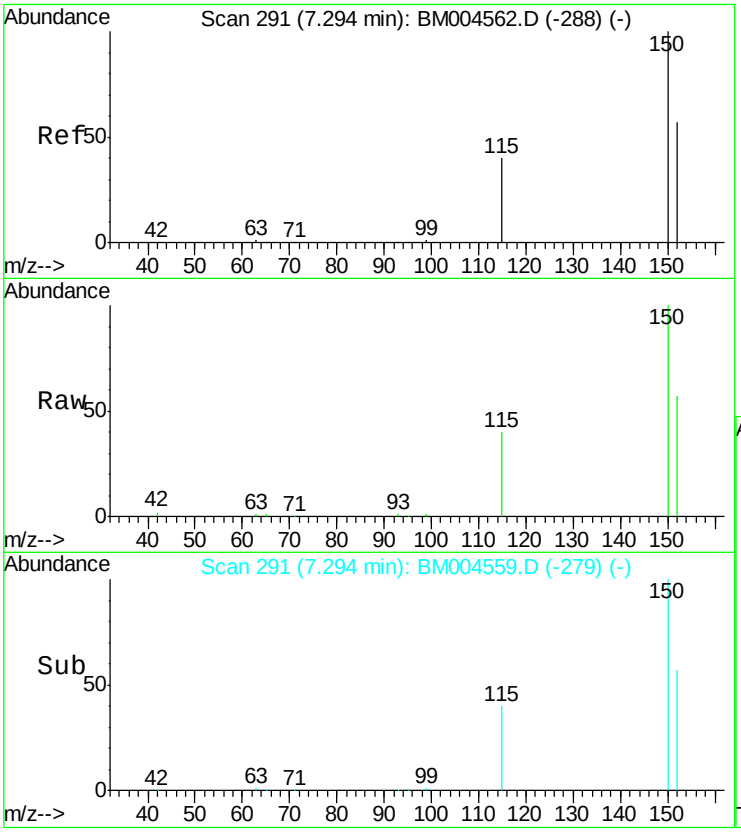
3/7/2016 12:36:35 PM

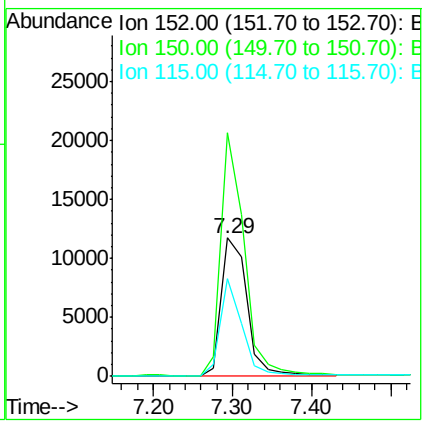




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.29 min Scan# 291
Delta R.T. 0.00 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:152 Resp: 26448

Ion	Ratio	Lower	Upper
152	100		
150	175.8	140.1	210.1
115	70.3	56.1	84.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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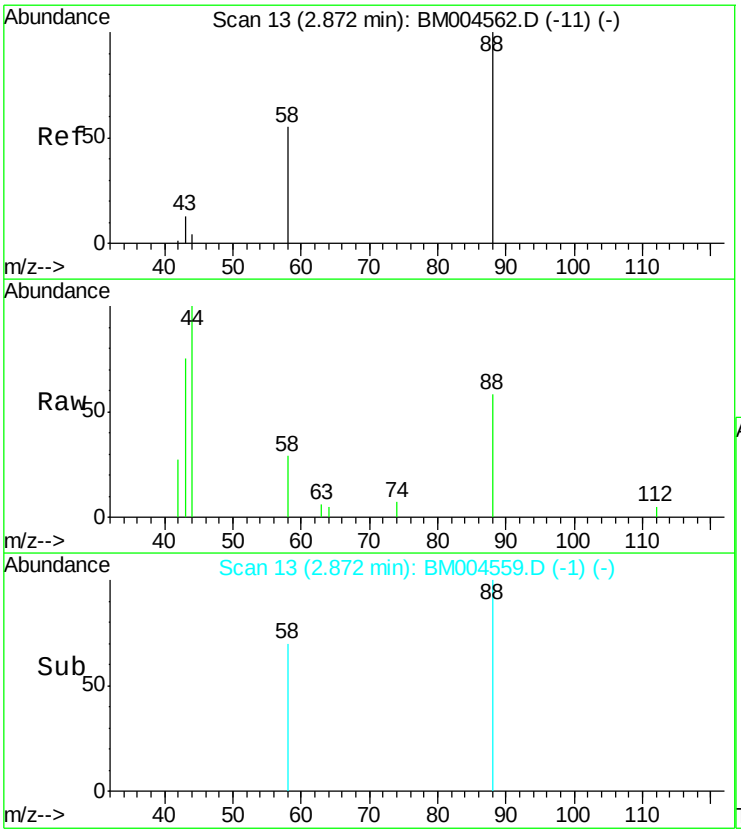
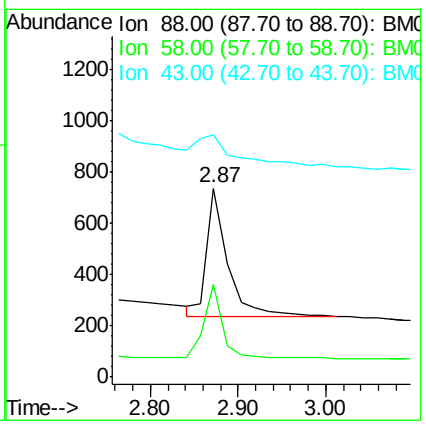
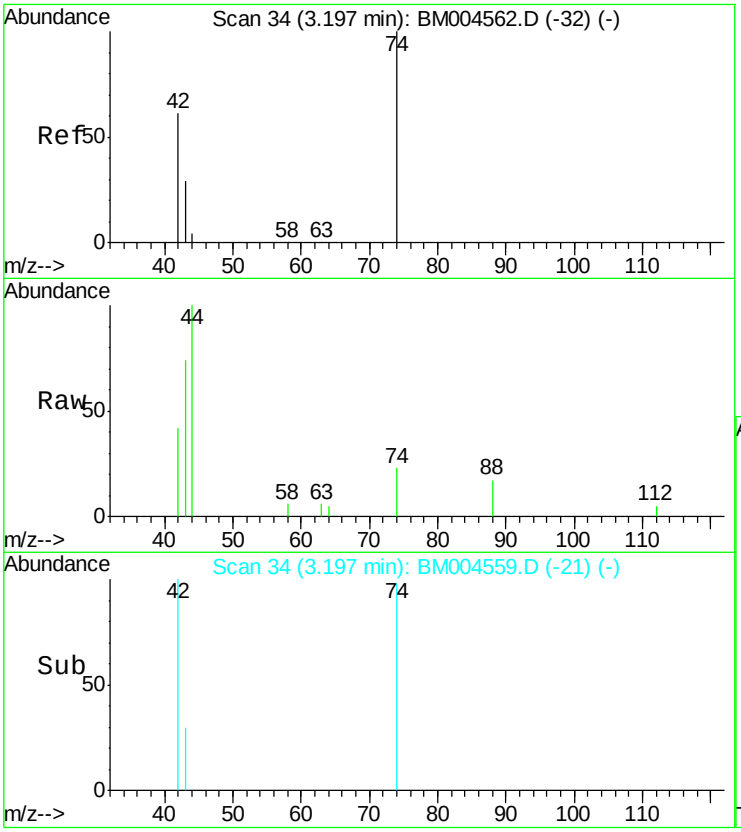


#2
1,4-Dioxane
Concen: 0.29 ng
RT: 2.87 min Scan# 13
Delta R.T. 0.00 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion: 88 Resp: 834

Ion	Ratio	Lower	Upper
88	100		
58	53.5	0.0	0.0#
43	43.6	0.0	0.0#





#3
n-Nitrosodimethylamine
Concen: 0.27 ng
RT: 3.20 min Scan# 34
Delta R.T. 0.00 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion: 42 Resp: 507

Ion	Ratio	Lower	Upper
42	100		
74	159.4	0.0	0.0#
44	10.7	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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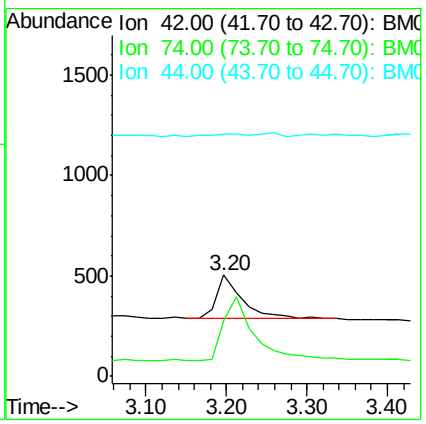
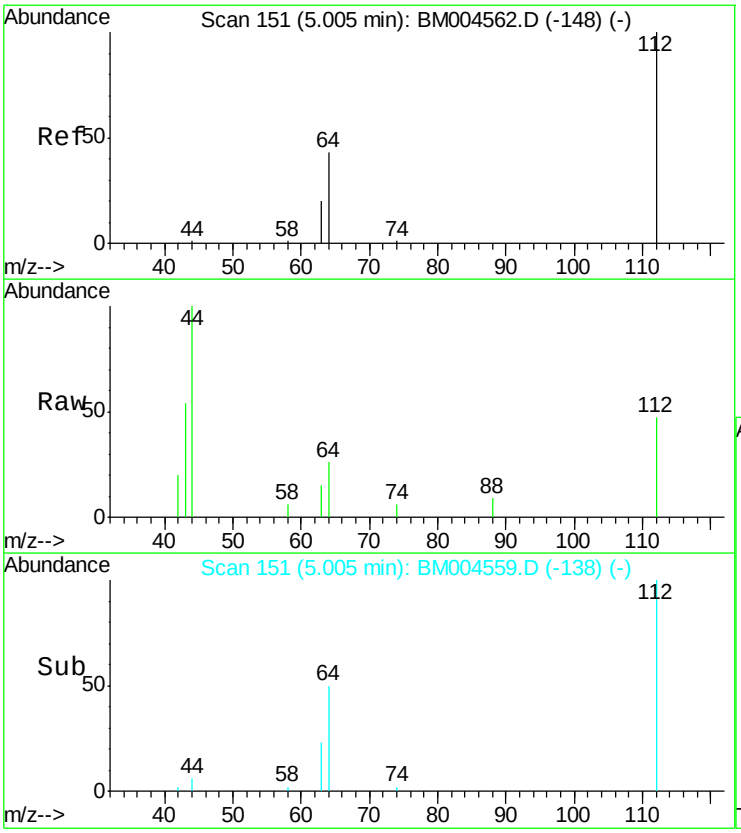
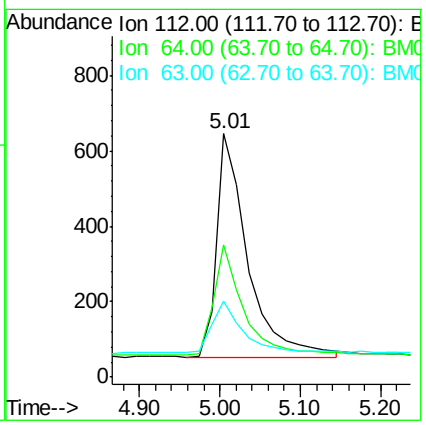


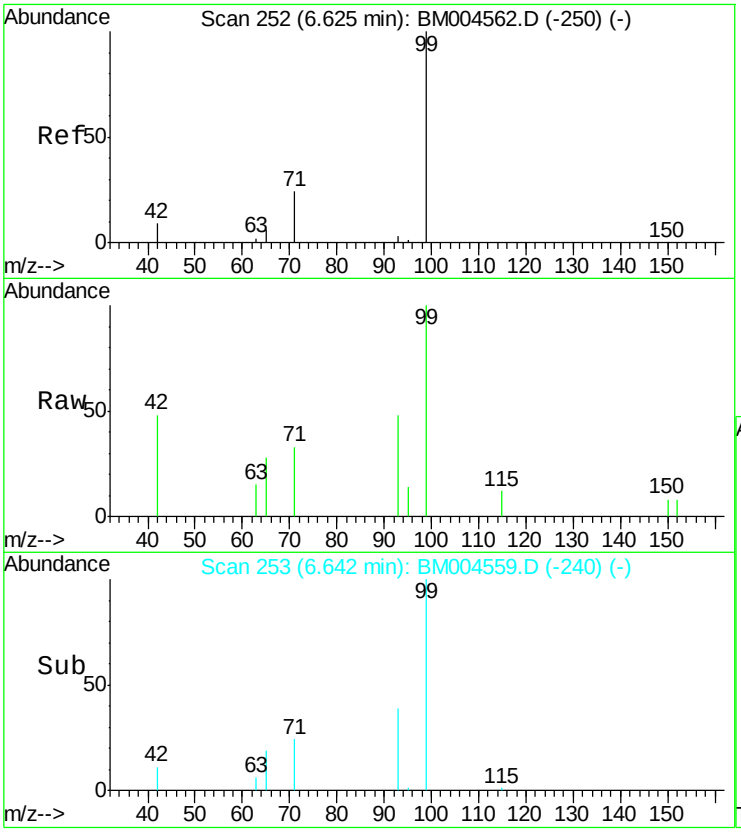


#4
2-Fluorophenol
Concen: 0.28 ng
RT: 5.01 min Scan# 151
Delta R.T. 0.00 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:112 Resp: 1587

Ion	Ratio	Lower	Upper
112	100		
64	47.3	0.0	0.0#
63	22.7	0.0	0.0#





#5
Phenol-d6
Concen: 0.28 ng
RT: 6.64 min Scan# 253
Delta R.T. 0.02 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion: 99 Resp: 1824

Ion	Ratio	Lower	Upper
99	100		
42	17.9	0.0	0.0#
71	28.1	0.2	0.2#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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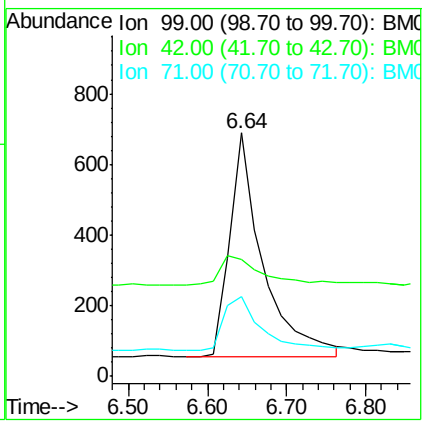
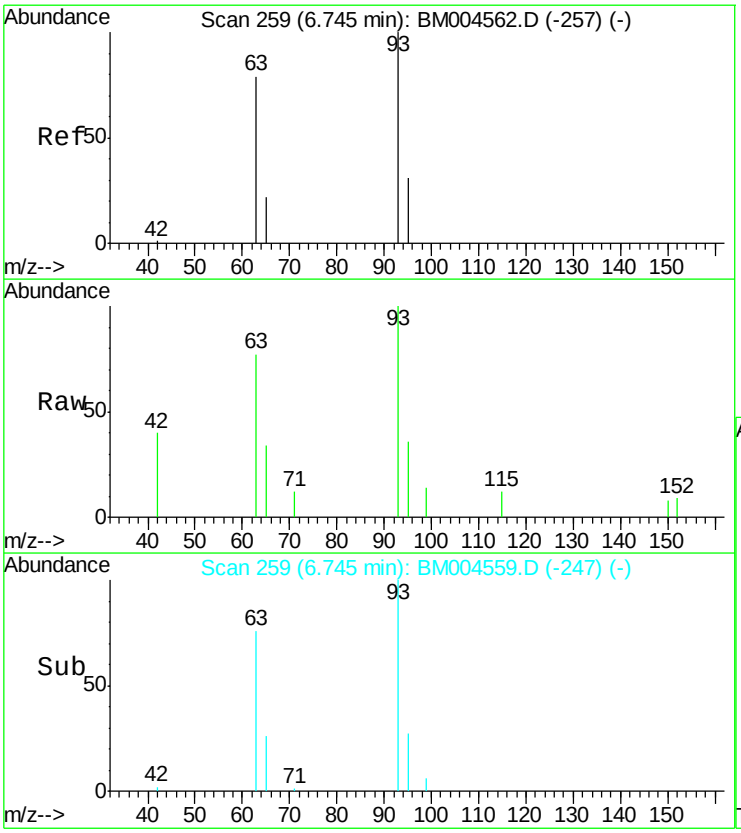
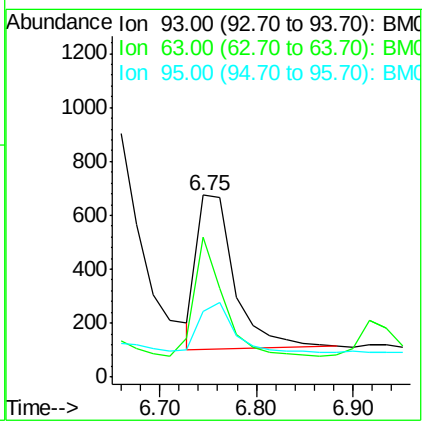


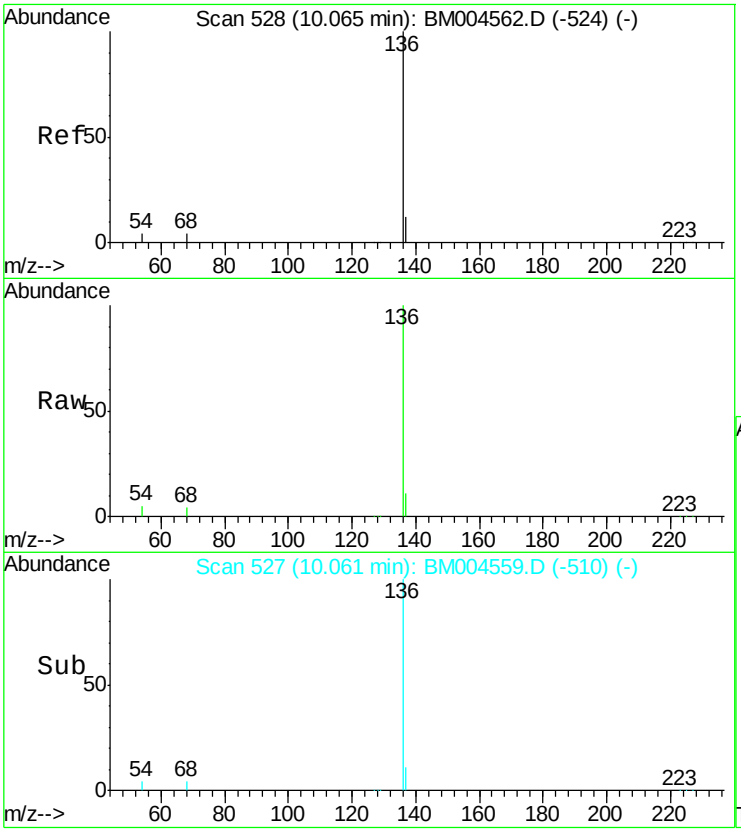


#6
bis(2-Chloroethyl)ether
Concen: 0.26 ng
RT: 6.75 min Scan# 259
Delta R.T. 0.00 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion: 93 Resp: 1557

Ion	Ratio	Lower	Upper
93	100		
63	61.1	18.7	28.1#
95	30.3	0.0	0.0#

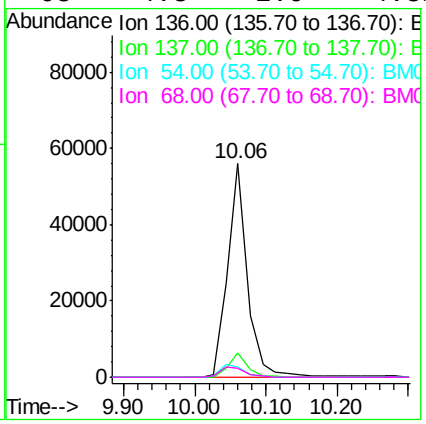




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.06 min Scan# 527
Delta R.T. -0.00 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:136 Resp: 101916

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	4.6	3.0	4.4#
68	4.3	2.9	4.3#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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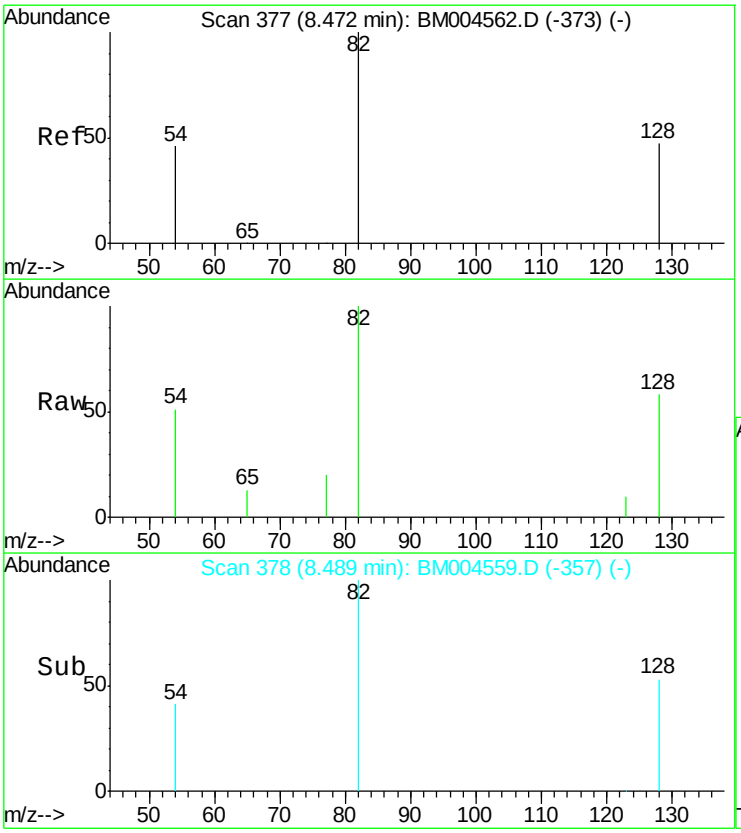
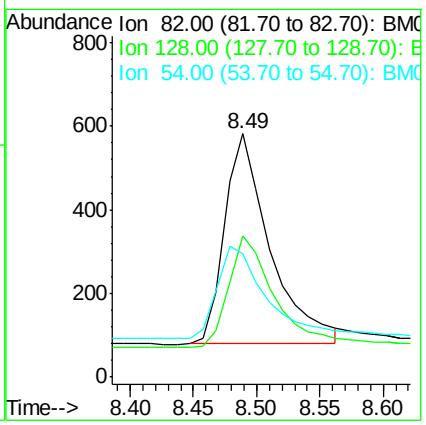
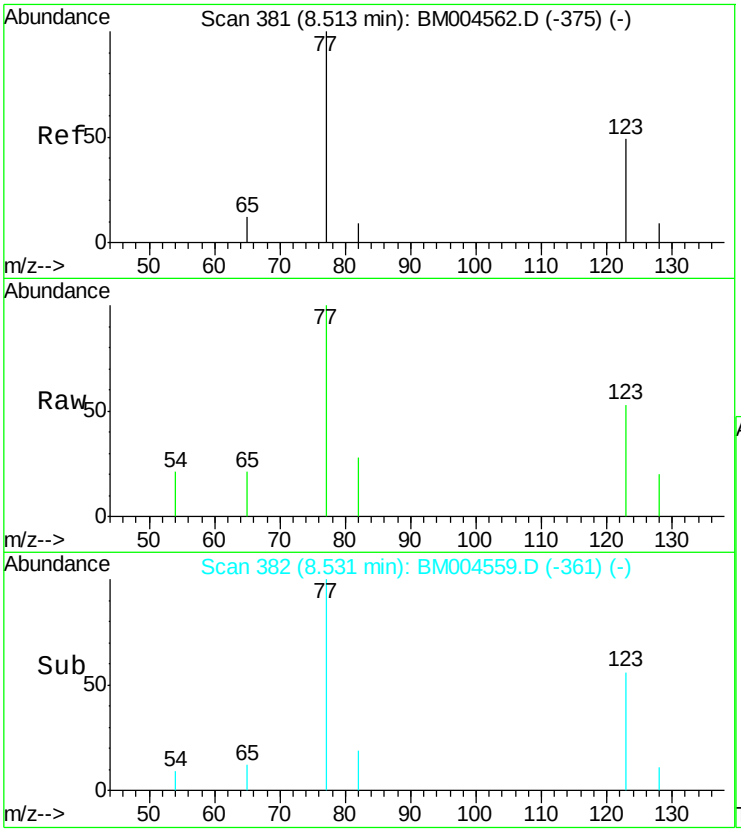


#8
Nitrobenzene-d5
Concen: 0.27 ng m
RT: 8.49 min Scan# 378
Delta R.T. 0.02 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion: 82 Resp: 1248

Ion	Ratio	Lower	Upper
82	100		
128	58.1	38.6	58.0#
54	50.9	38.5	57.7

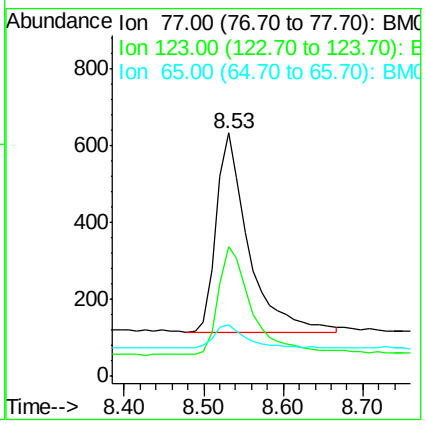




#9
Nitrobenzene
Concen: 0.28 ng
RT: 8.53 min Scan# 382
Delta R.T. 0.02 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion: 77 Resp: 1453

Ion	Ratio	Lower	Upper
77	100		
123	58.4	0.0	0.0#
65	12.5	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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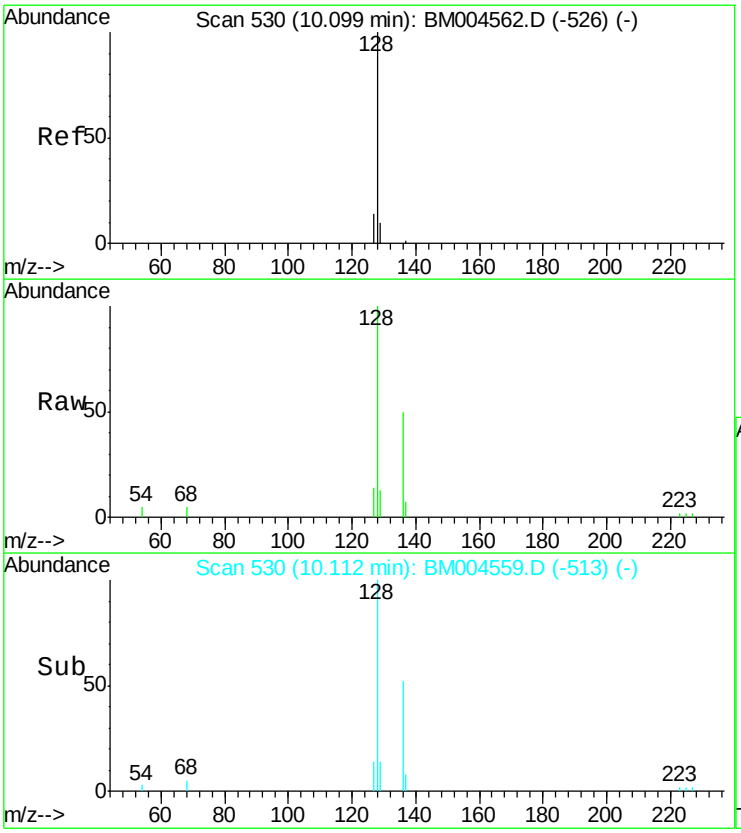
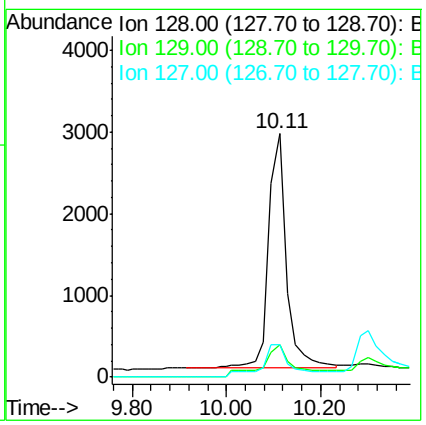
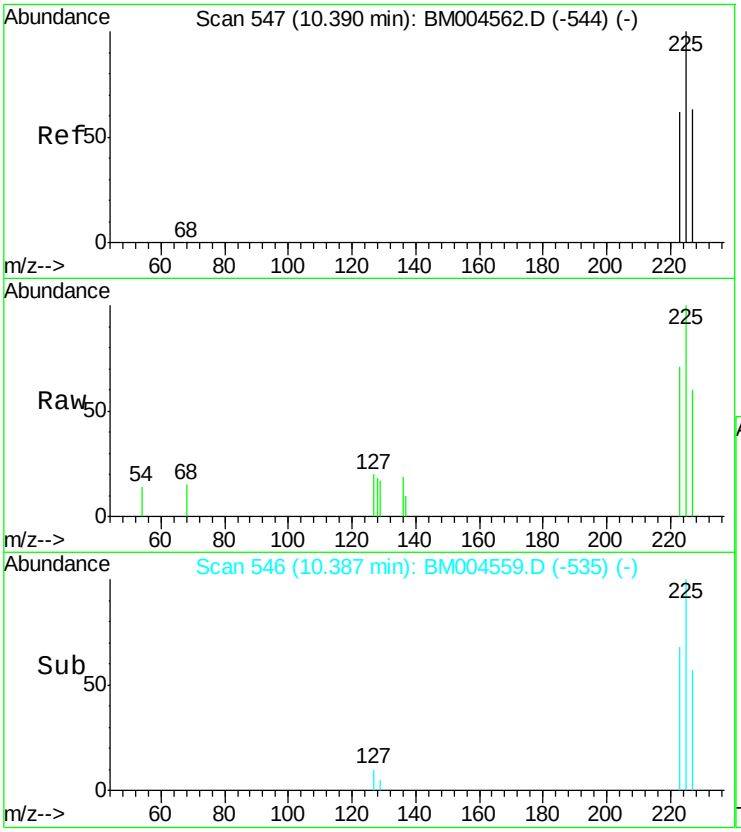


#10
Naphthalene
Concen: 0.26 ng
RT: 10.11 min Scan# 530
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:128 Resp: 6329

Ion	Ratio	Lower	Upper
128	100		
129	13.4	8.7	13.1#
127	13.5	11.3	16.9

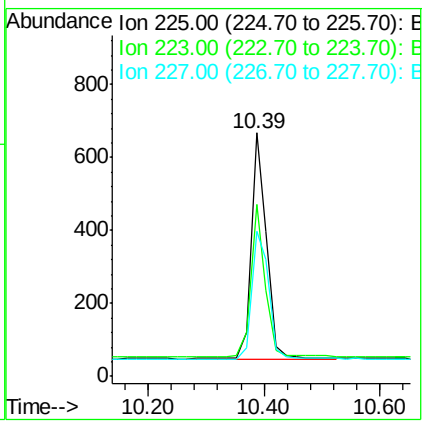




#11
Hexachlorobutadiene
Concen: 0.27 ng
RT: 10.39 min Scan# 546
Delta R.T. -0.00 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:225 Resp: 1144

Ion	Ratio	Lower	Upper
225	100		
223	63.8	0.0	0.0#
227	62.7	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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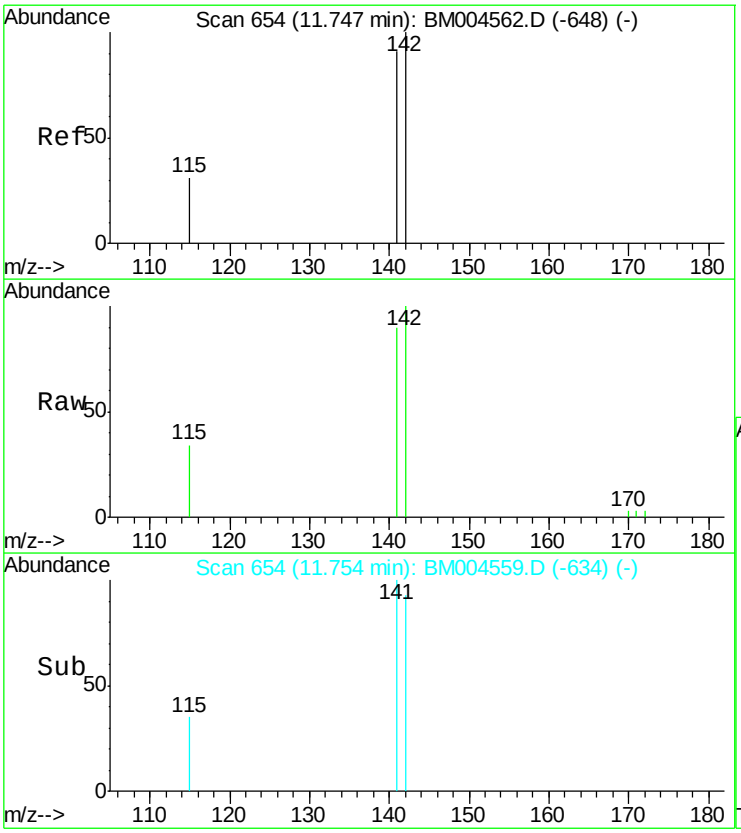
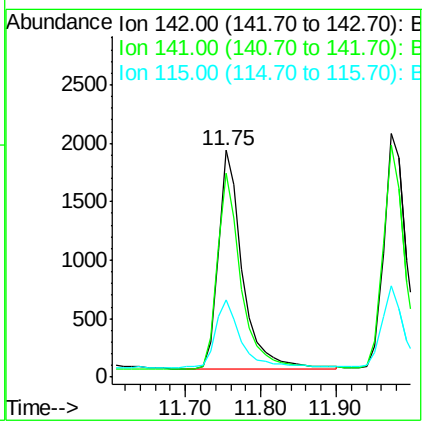
3/7/2016 12:36:35 PM

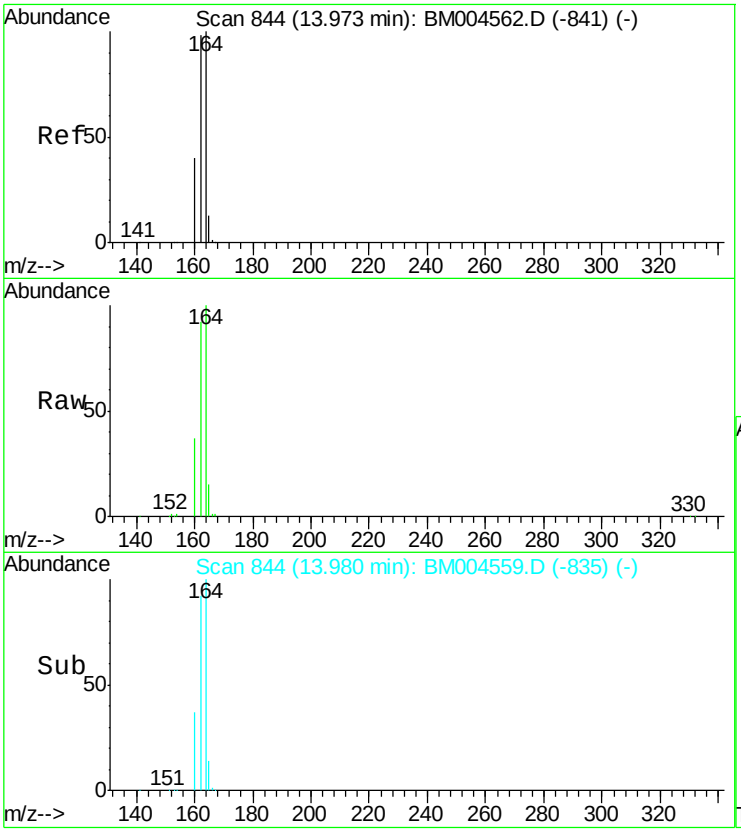


#12
2-Methylnaphthalene
Concen: 0.28 ng
RT: 11.75 min Scan# 654
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:142 Resp: 4192

Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.3	108.5
115	34.1	25.4	38.2

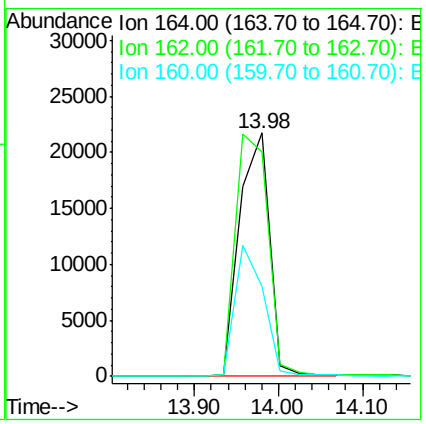




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.98 min Scan# 844
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:164 Resp: 53386

Ion	Ratio	Lower	Upper
164	100		
162	92.0	78.2	117.2
160	36.8	31.9	47.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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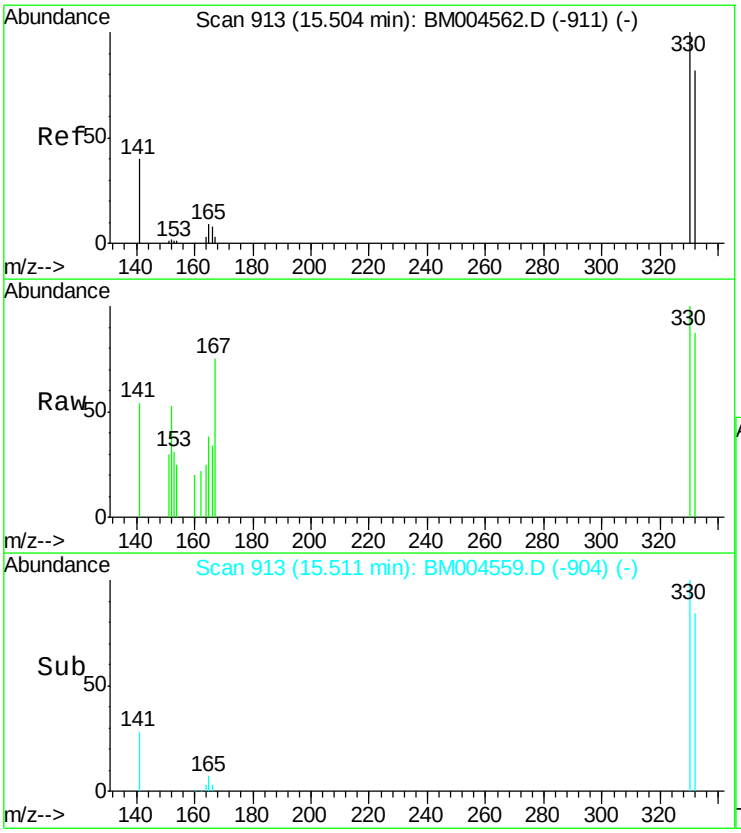
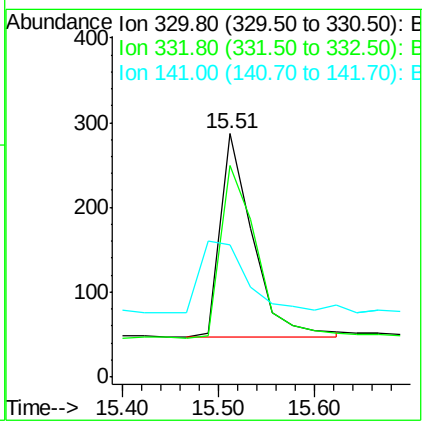
3/7/2016 12:36:35 PM

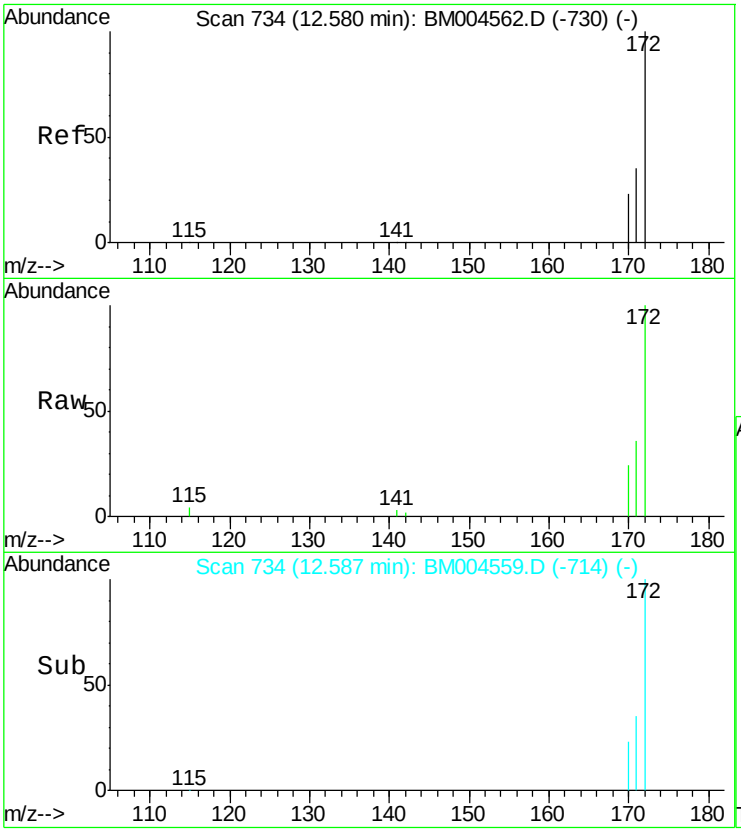


#14
2,4,6-Tribromophenol
Concen: 0.34 ng
RT: 15.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:330 Resp: 571

Ion	Ratio	Lower	Upper
330	100		
332	94.4	0.0	0.0#
141	0.0	0.0	0.0

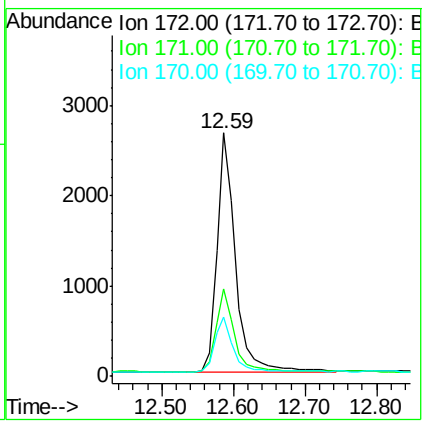




#15
2-Fluorobiphenyl
Concen: 0.28 ng
RT: 12.59 min Scan# 734
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:172 Resp: 4736

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	24.2	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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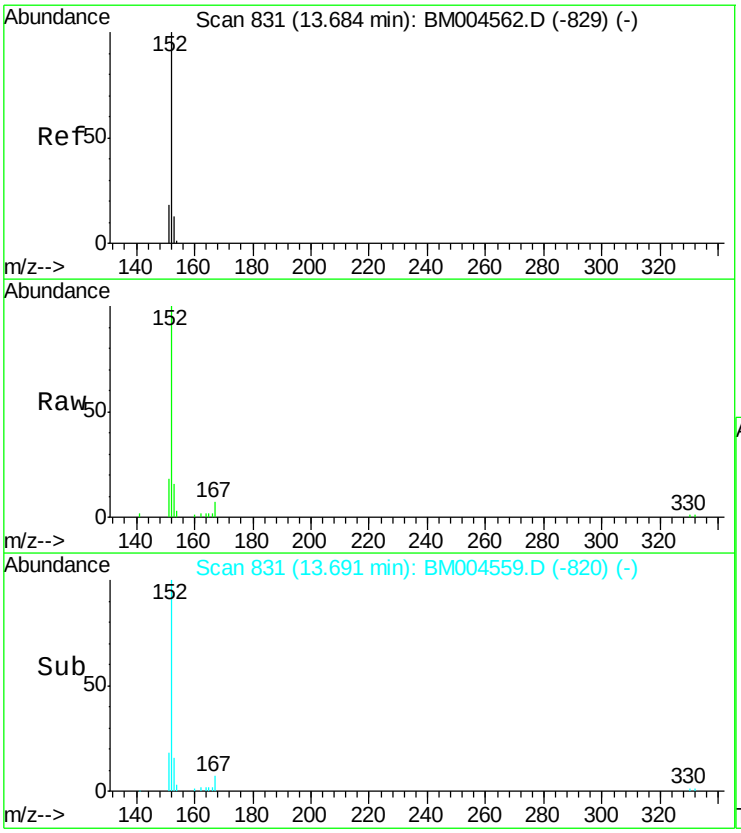
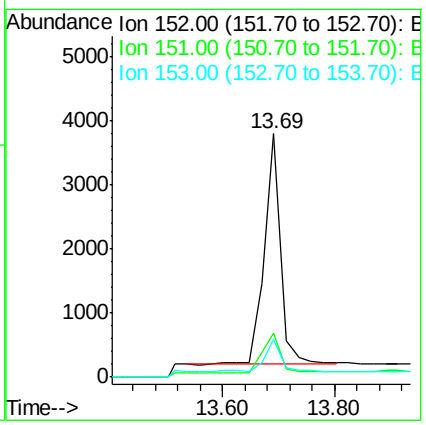
3/7/2016 12:36:35 PM

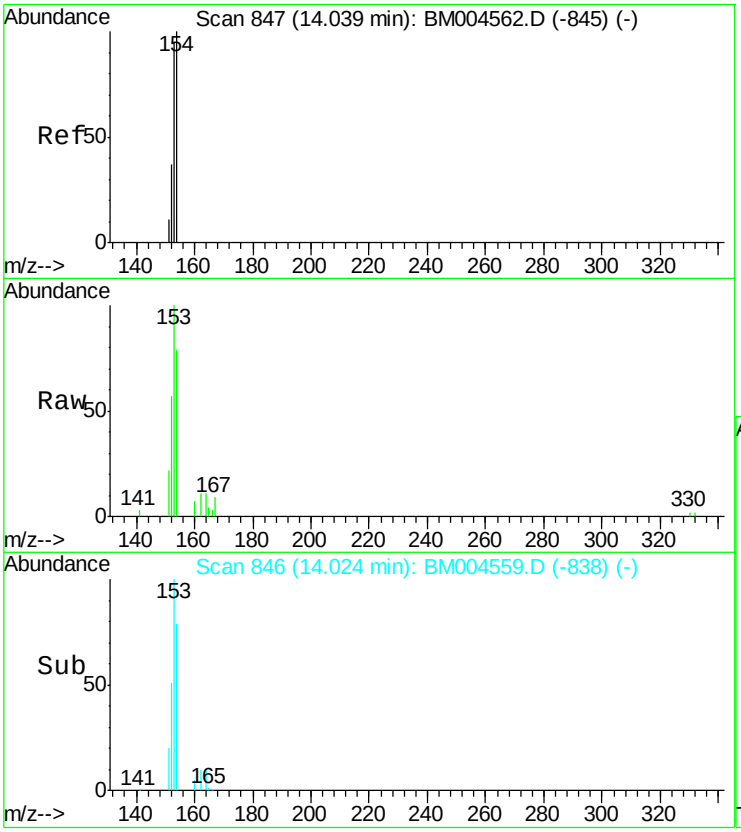


#16
Acenaphthylene
Concen: 0.30 ng
RT: 13.69 min Scan# 831
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:152 Resp: 7395

Ion	Ratio	Lower	Upper
152	100		
151	18.8	9.2	13.8#
153	12.6	51.4	77.0#

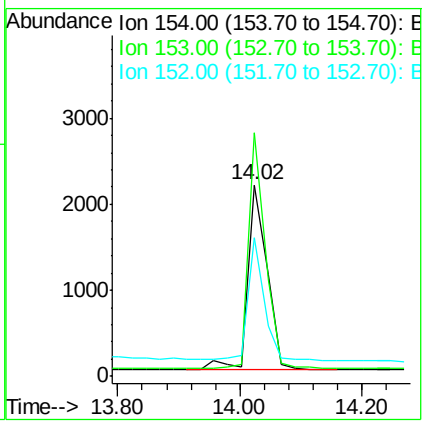




#17
Acenaphthene
Concen: 0.30 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.02 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:154 Resp: 4737

Ion	Ratio	Lower	Upper
154	100		
153	110.0	0.0	0.0#
152	55.6	0.2	0.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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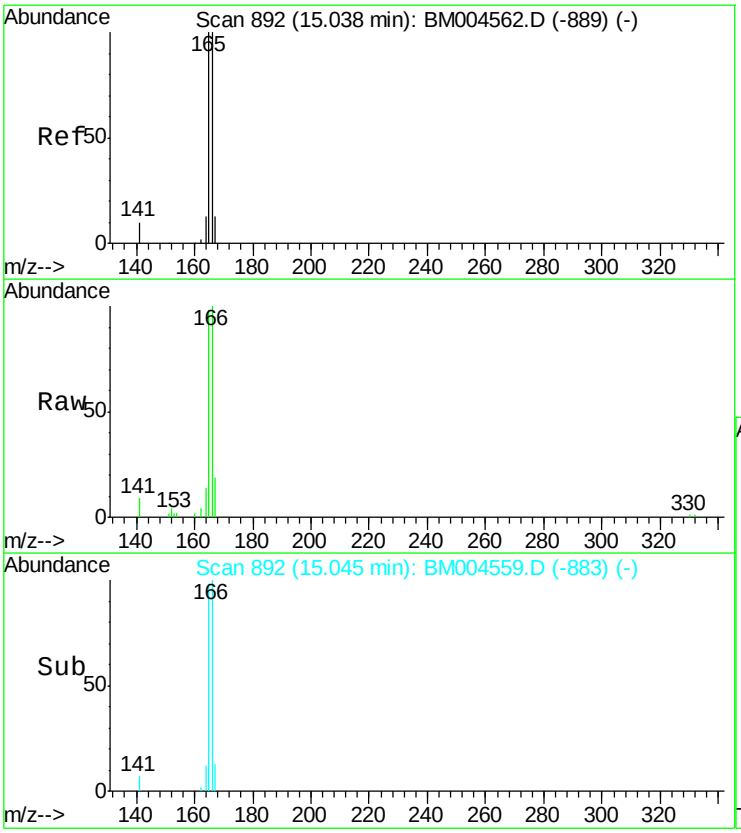
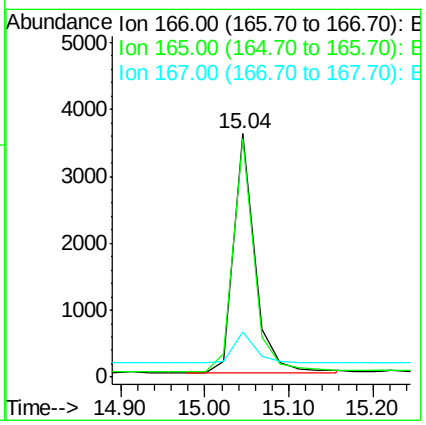
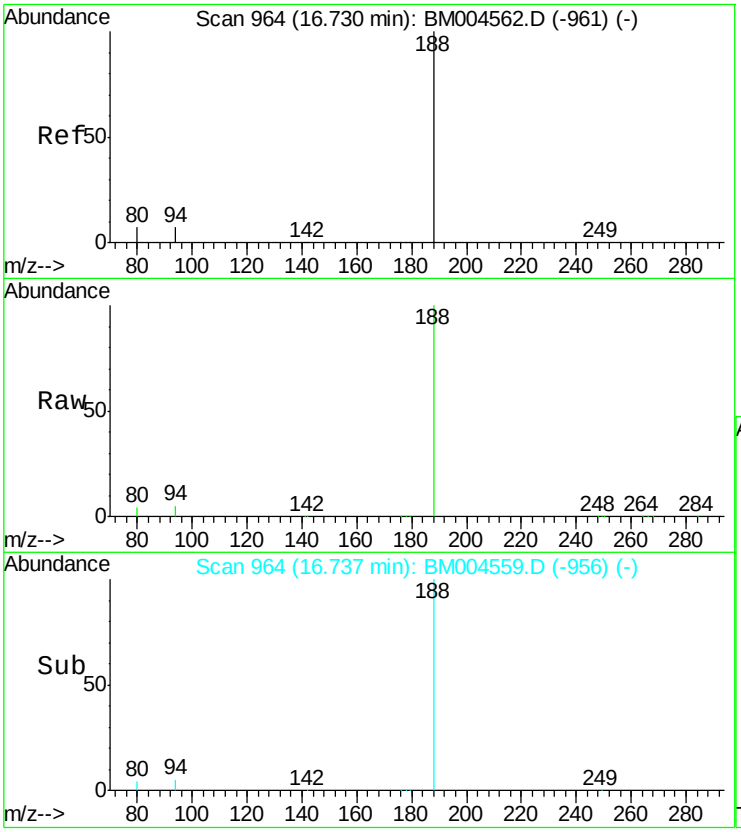


#18
Fluorene
Concen: 0.32 ng
RT: 15.04 min Scan# 892
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:166 Resp: 6179

Ion	Ratio	Lower	Upper
166	100		
165	96.7	0.0	0.0#
167	14.0	20.0	30.0#

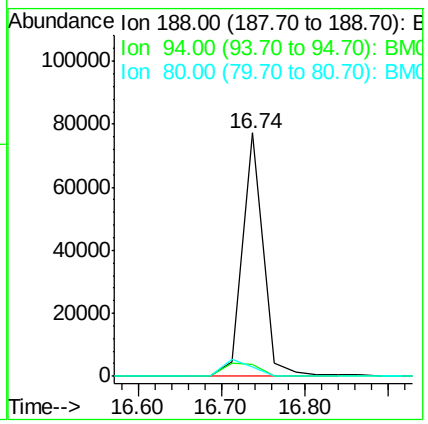




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.74 min Scan# 964
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:188 Resp: 135417

Ion	Ratio	Lower	Upper
188	100		
94	4.7	6.0	9.0#
80	3.9	5.3	7.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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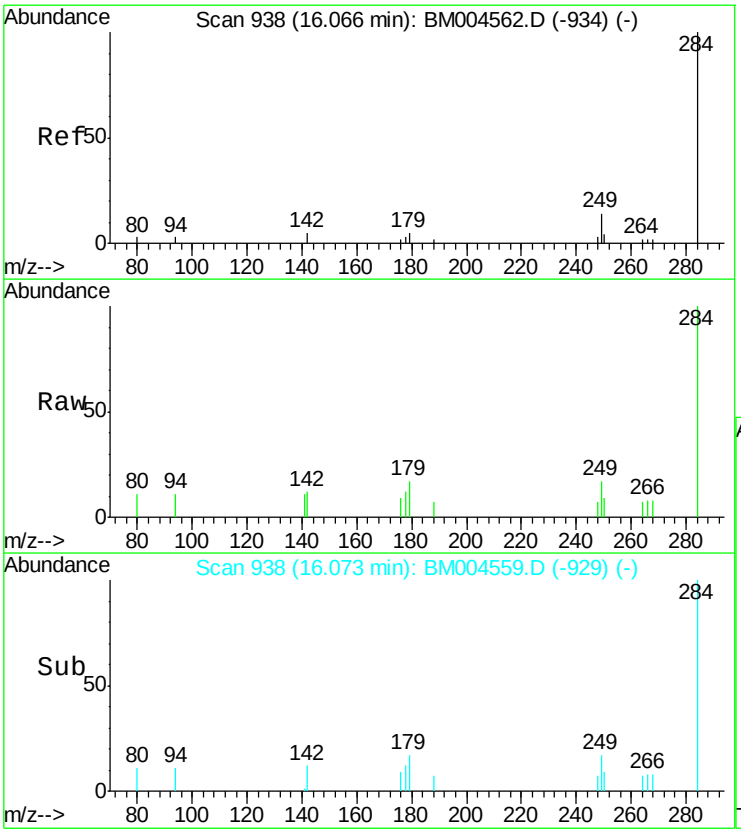
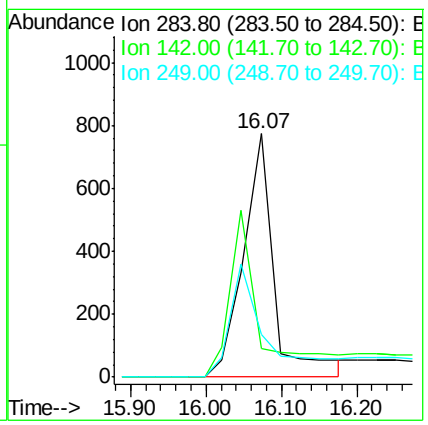
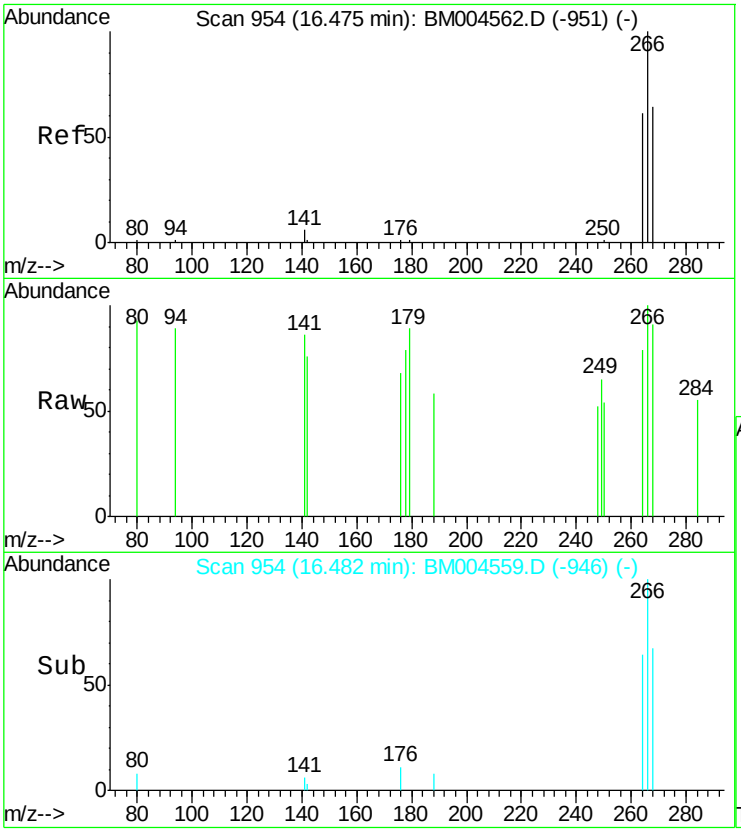


#20
Hexachlorobenzene
Concen: 0.35 ng
RT: 16.07 min Scan# 938
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:284 Resp: 2076

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

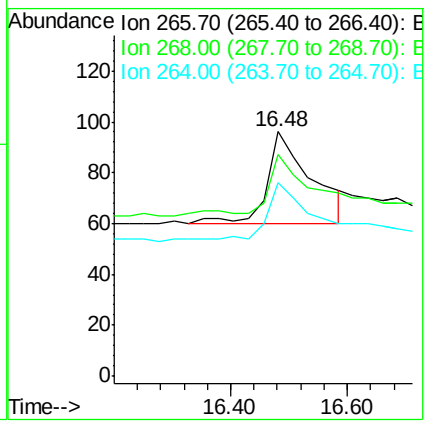




#21
Pentachlorophenol
Concen: 0.23 ng
RT: 16.48 min Scan# 954
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:266 Resp: 190

Ion	Ratio	Lower	Upper
266	100		
268	90.6	62.6	94.0
264	79.2	57.4	86.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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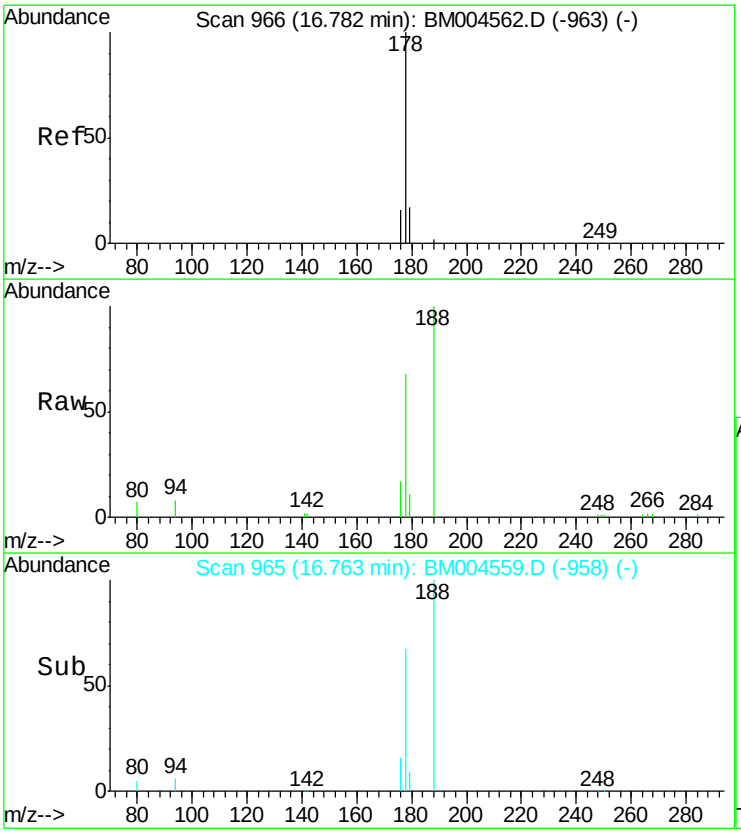
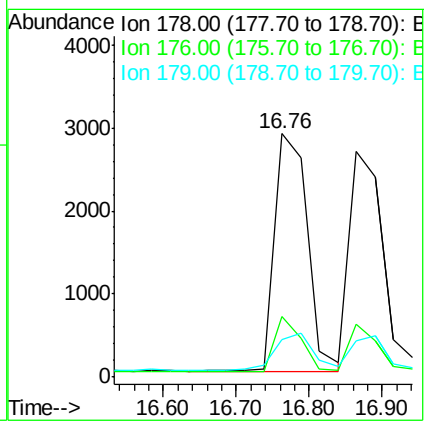
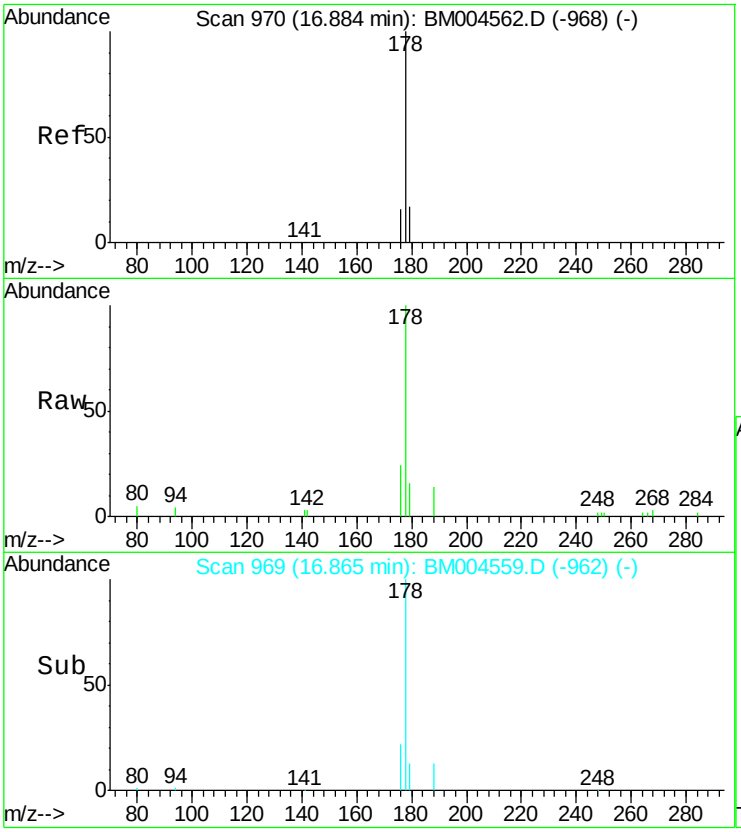


#22
Phenanthrene
Concen: 0.27 ng
RT: 16.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:178 Resp: 8874

Ion	Ratio	Lower	Upper
178	100		
176	19.6	0.0	0.0#
179	0.0	0.0	0.0

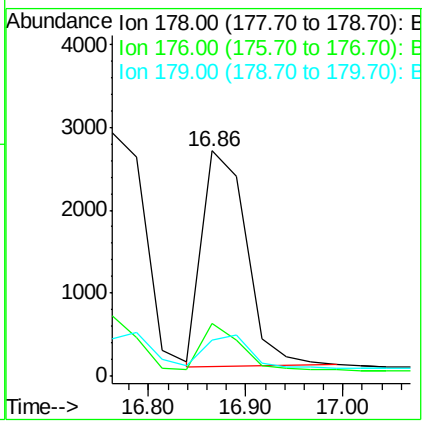




#23
Anthracene
Concen: 0.27 ng
RT: 16.86 min Scan# 969
Delta R.T. -0.02 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:178 Resp: 8192

Ion	Ratio	Lower	Upper
178	100		
176	19.3	0.0	0.0#
179	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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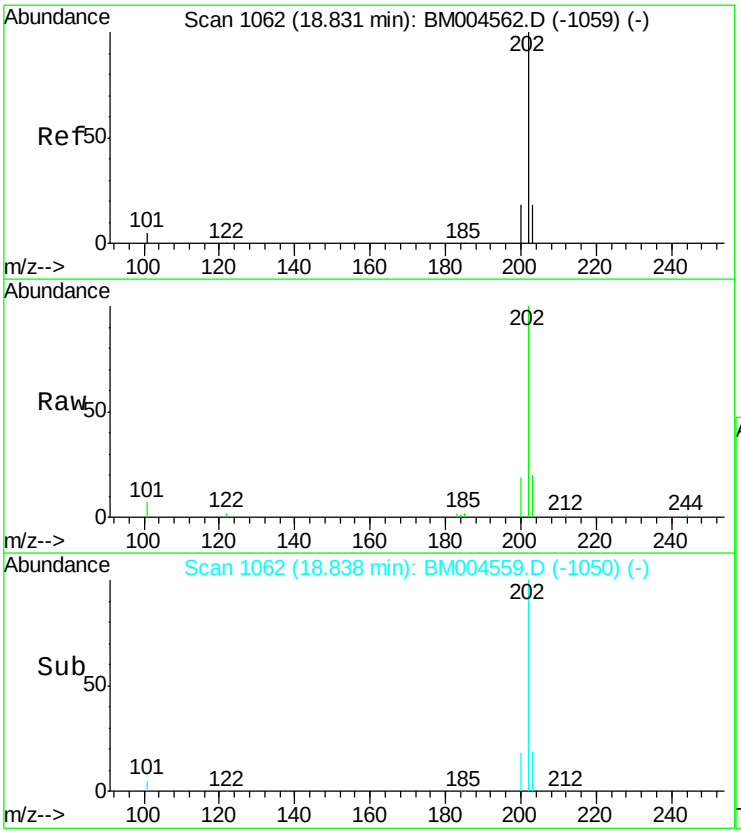
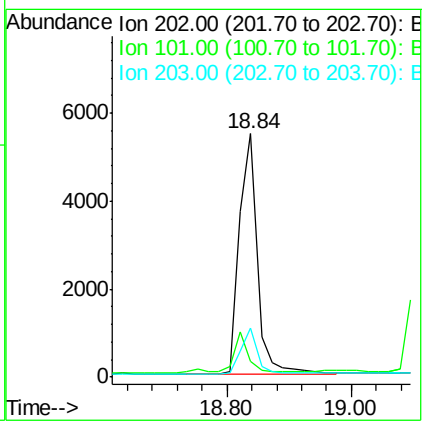
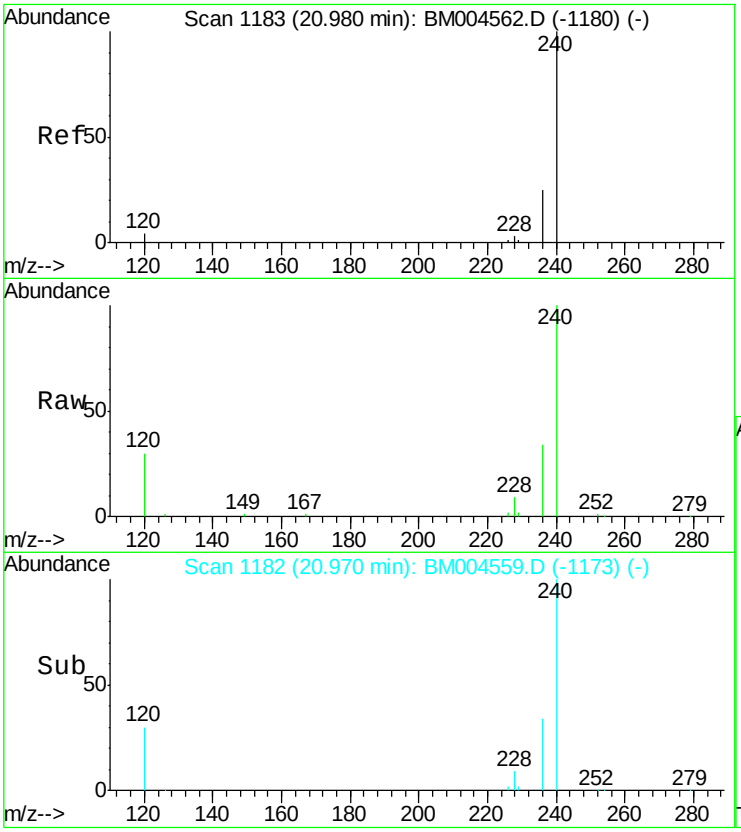


#24
Fluoranthene
Concen: 0.26 ng
RT: 18.84 min Scan# 1062
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:202 Resp: 11089

Ion	Ratio	Lower	Upper
202	100		
101	13.0	12.2	18.4
203	17.4	14.6	21.8





#25
Chrysene-d12
Concen: 5.00 ng
RT: 20.97 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:240 Resp: 116173

Ion	Ratio	Lower	Upper
240	100		
120	30.4	3.5	5.3#
236	34.0	20.3	30.5#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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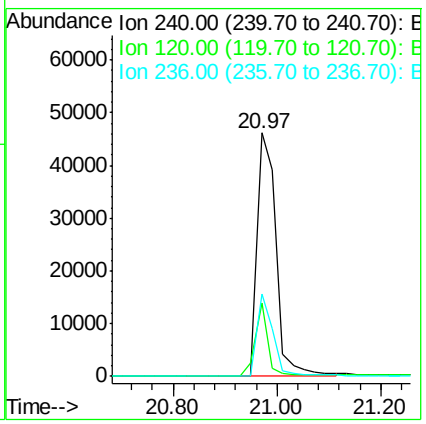
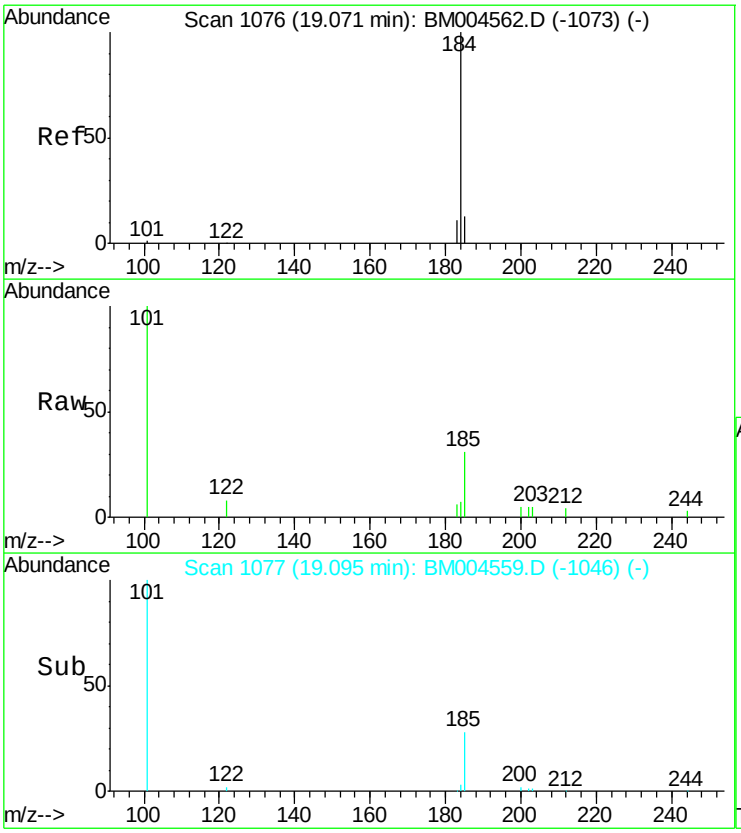
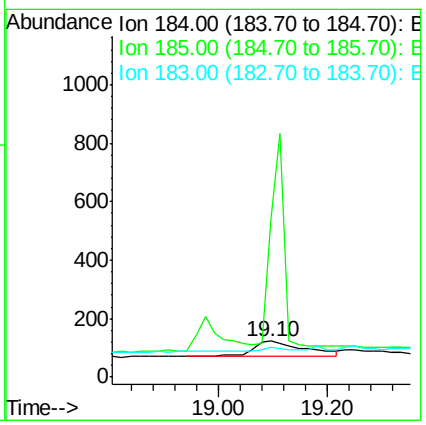


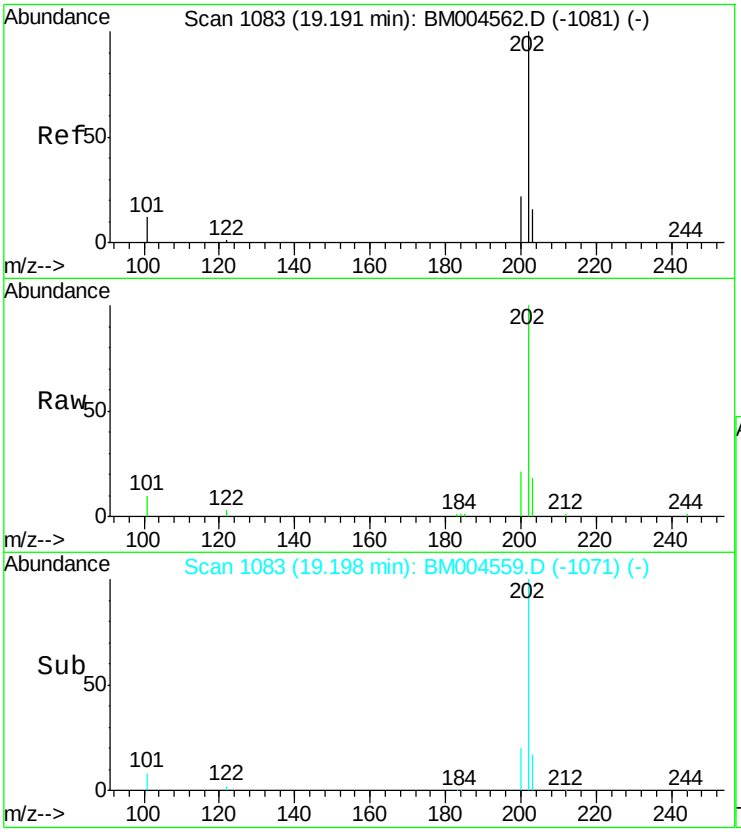


#26
Benzidine
Concen: 0.04 ng
RT: 19.10 min Scan# 1077
Delta R.T. 0.02 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:184 Resp: 343

Ion	Ratio	Lower	Upper
184	100		
185	440.7	19.4	29.0#
183	82.9	16.5	24.7#





#27
Pyrene
Concen: 0.27 ng
RT: 19.20 min Scan# 1083
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:202 Resp: 11983

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.2	0.2#
203	17.8	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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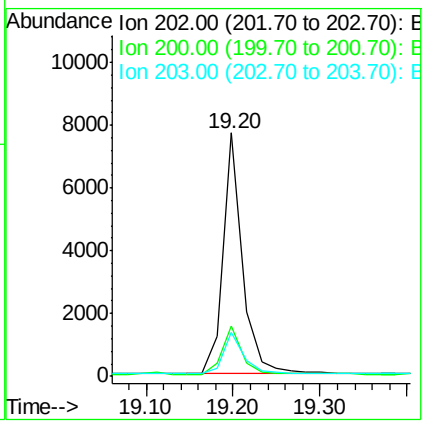
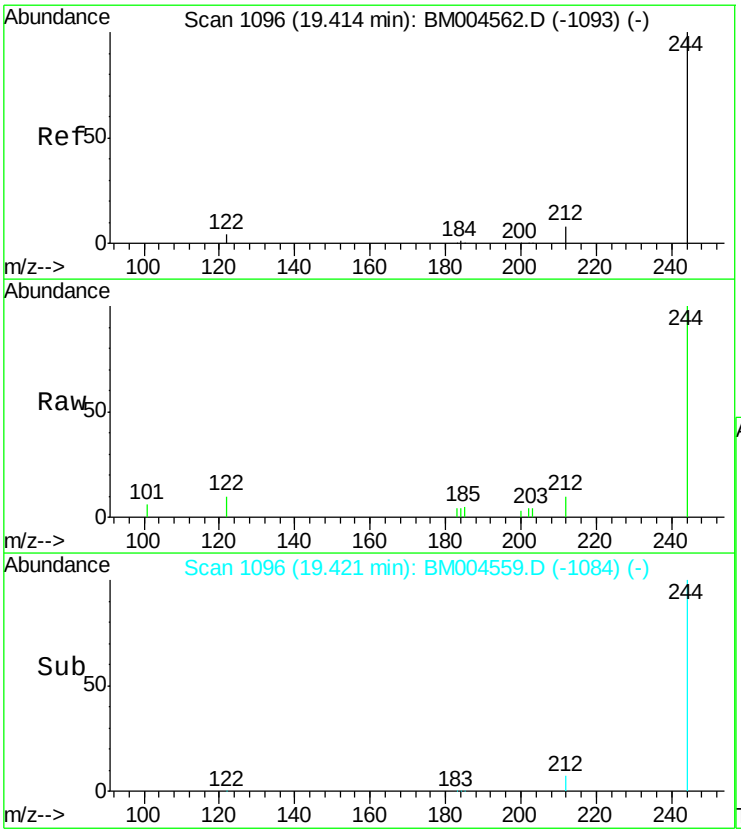
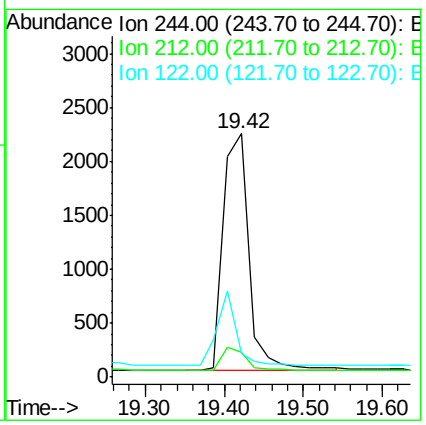


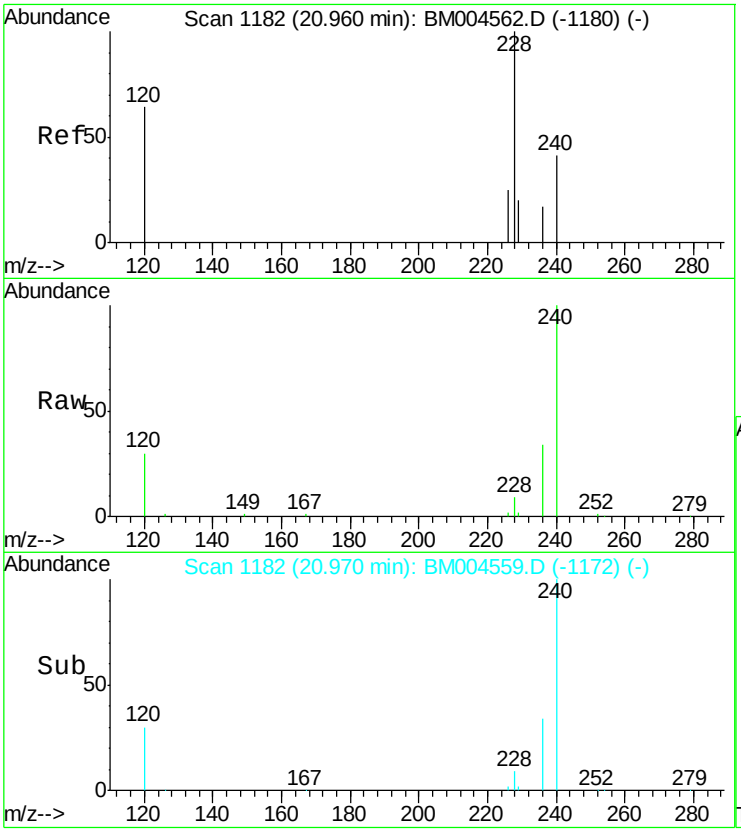


#28
Terphenyl-d14
Concen: 0.22 ng
RT: 19.42 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:244 Resp: 4970

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.0	10.4
122	9.6	4.2	6.4#





#29
Benzo(a)anthracene
Concen: 0.25 ng
RT: 20.97 min Scan# 1182
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:228 Resp: 9892

Ion	Ratio	Lower	Upper
228	100		
226	23.2	20.3	30.5
229	24.6	16.3	24.5#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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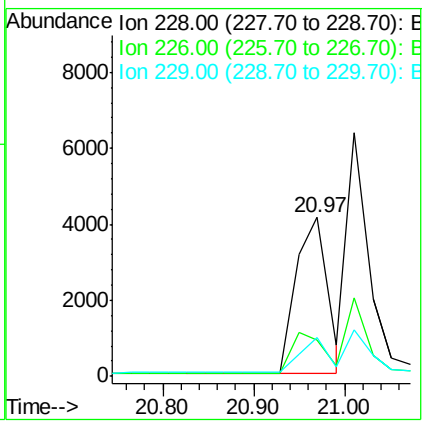
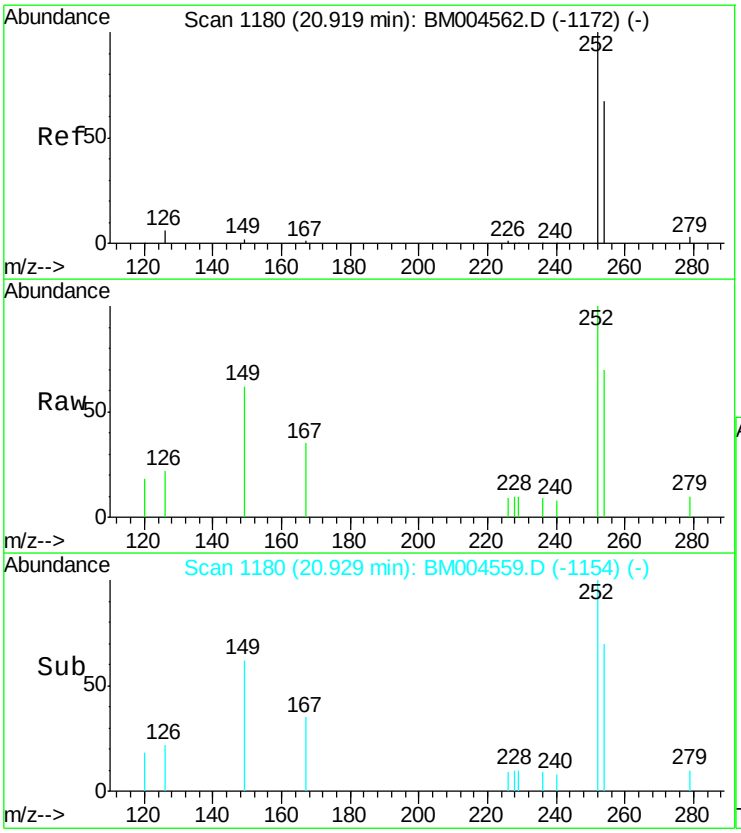
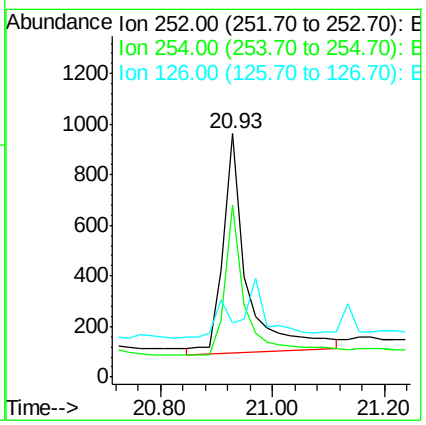


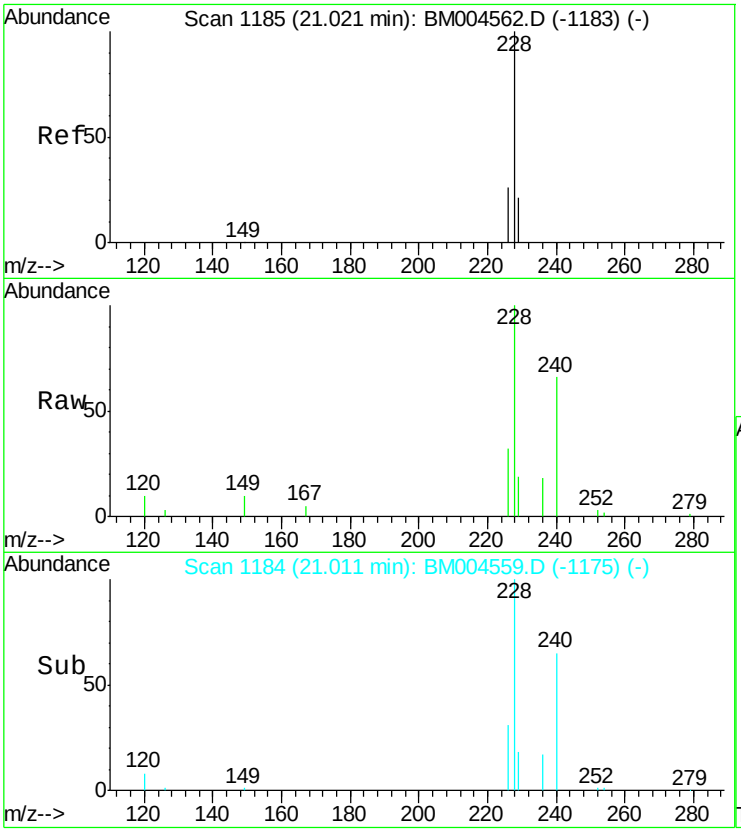


#30
3,3'-Dichlorobenzidine
Concen: 0.23 ng
RT: 20.93 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:252 Resp: 2593

Ion	Ratio	Lower	Upper
252	100		
254	70.4	53.9	80.9
126	22.4	6.9	10.3#





#31
Chrysene
Concen: 0.23 ng m
RT: 21.01 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:228 Resp: 10918

Ion	Ratio	Lower	Upper
228	100		
226	32.2	20.3	30.5#
229	19.4	17.8	26.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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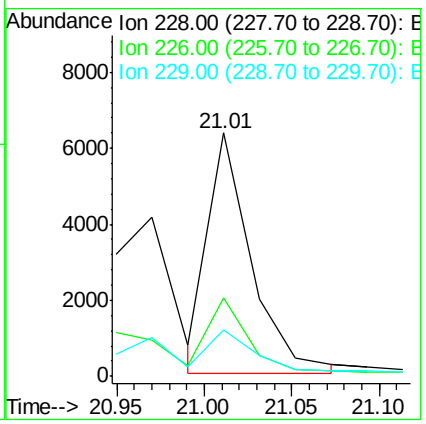
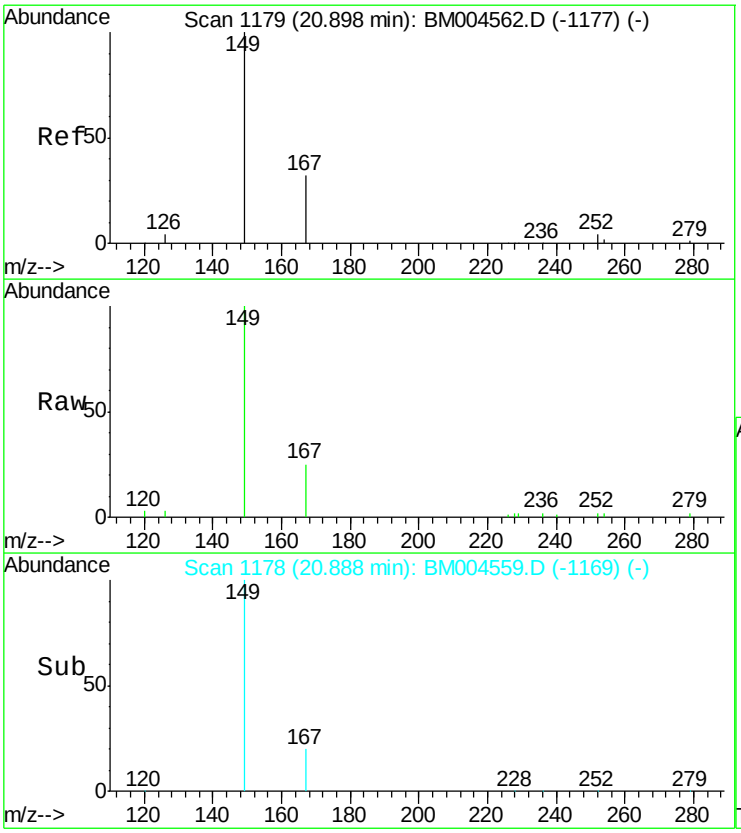
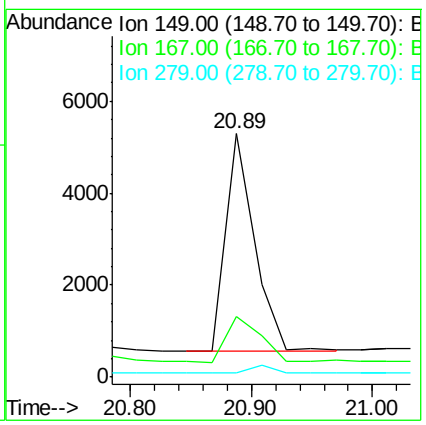


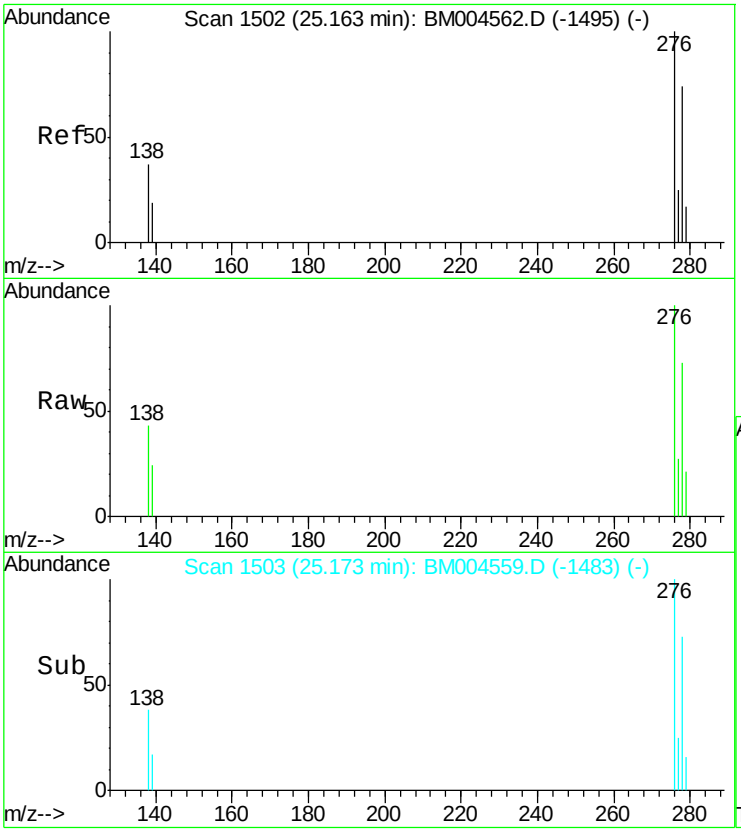


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.32 ng
RT: 20.89 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:149 Resp: 7848

Ion	Ratio	Lower	Upper
149	100		
167	24.7	0.6	0.8#
279	0.0	0.0	0.0





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.28 ng
RT: 25.17 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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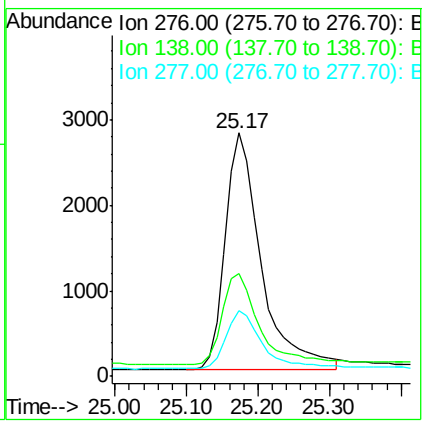
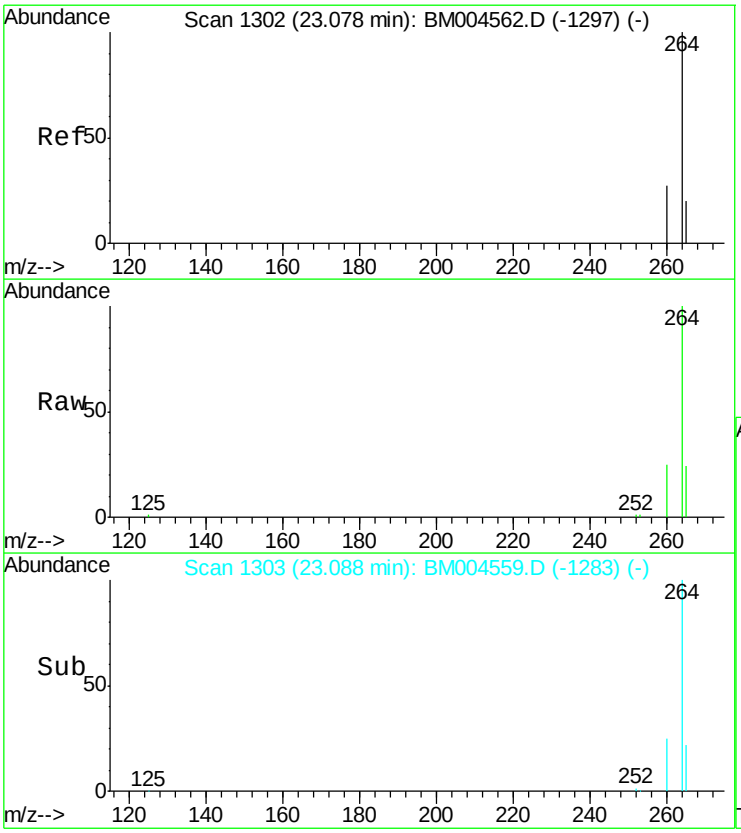
Tgt Ion:276 Resp: 9651

Ion	Ratio	Lower	Upper
276	100		
138	40.1	22.8	34.2#
277	24.8	15.2	22.8#

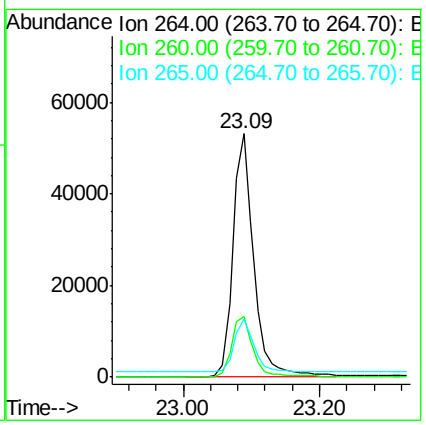


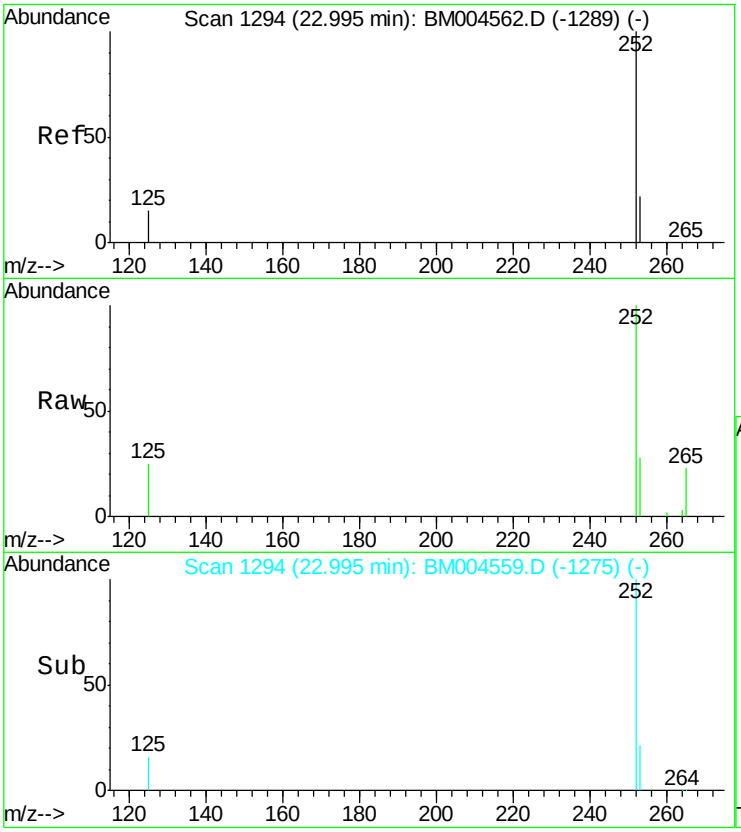


#34
Perylene-d12
Concen: 5.00 ng
RT: 23.09 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:264 Resp: 112017

Ion	Ratio	Lower	Upper
264	100		
260	24.9	21.4	32.2
265	23.6	17.8	26.8





#35
Benzo(a)pyrene
Concen: 0.26 ng
RT: 22.99 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:252 Resp: 8798

Ion	Ratio	Lower	Upper
252	100		
253	27.9	19.0	28.6
125	24.5	14.4	21.6#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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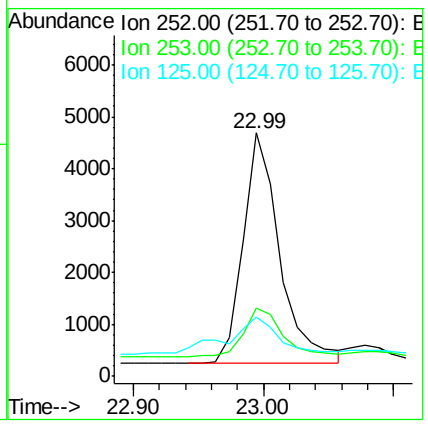
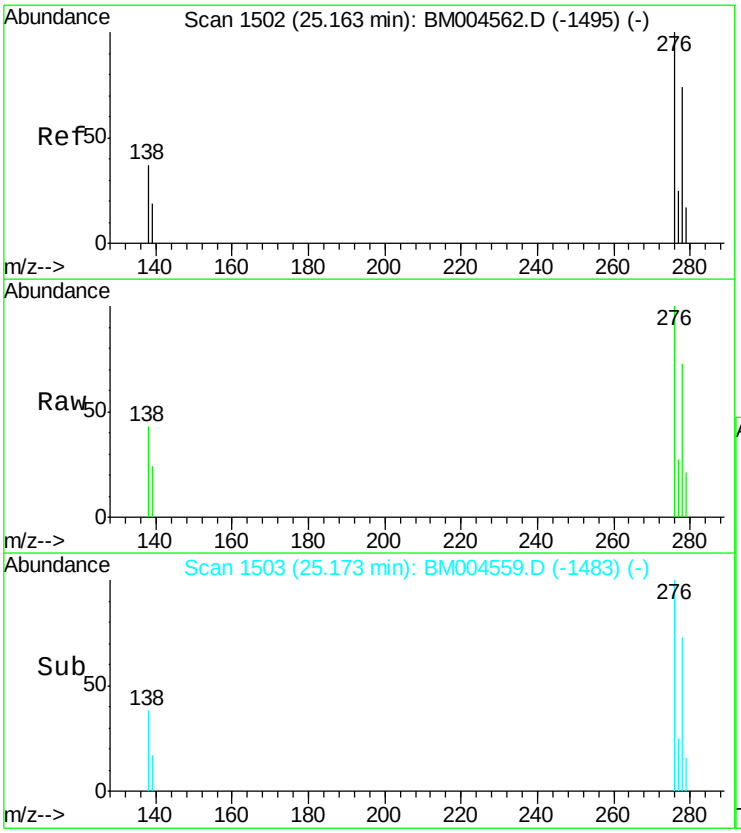
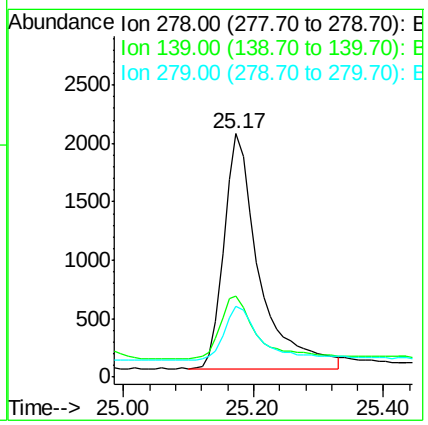


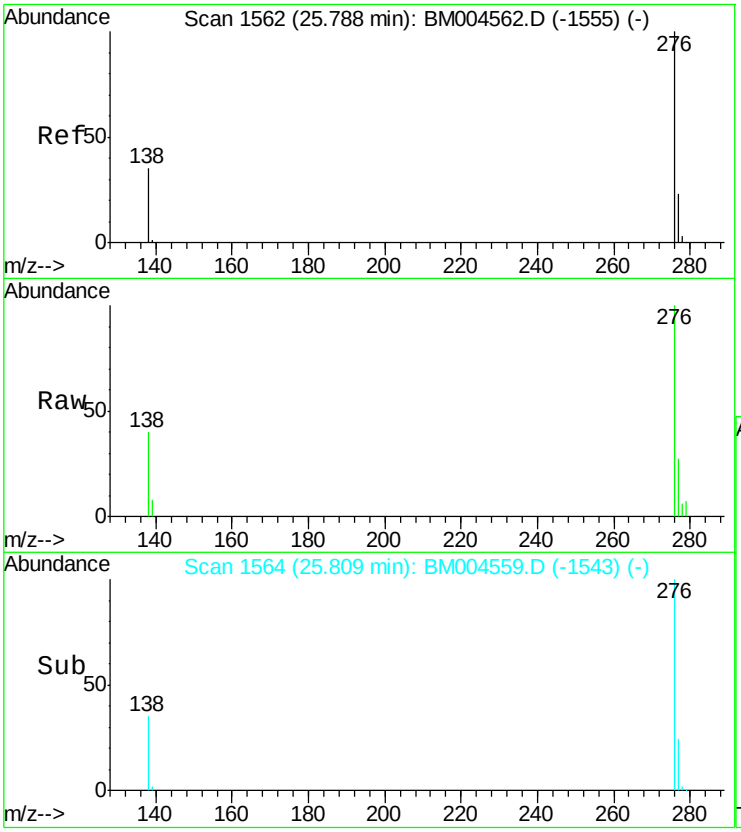


#36
Dibenzo(a,h)anthracene
Concen: 0.27 ng
RT: 25.17 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:278 Resp: 7550

Ion	Ratio	Lower	Upper
278	100		
139	33.4	21.7	32.5#
279	28.9	20.2	30.4

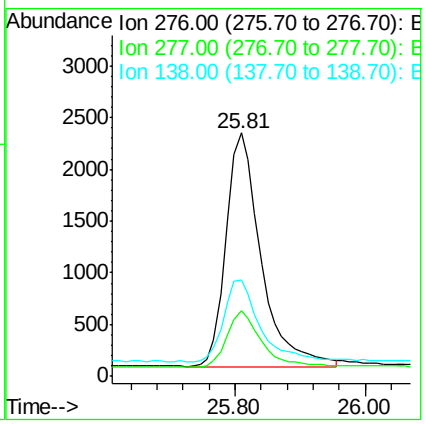




#37
Benzo(g,h,i)perylene
Concen: 0.27 ng
RT: 25.81 min Scan# 1564
Delta R.T. 0.02 min
Lab File: BM004559.D
Acq: 05 Mar 2016 16:56

Tgt Ion:276 Resp: 8432

Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.1	28.7
138	39.6	29.3	43.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
UMANGI
3/7/2016 12:36:35 PM