Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030516\
Data File : BM004561.D
Acq On : 05 Mar 2016 18:08
Operator : SJ/UM
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.8

Manual Integrations APPROVED
UMANGI
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Quant Time: Mar 07 07:32:48 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	25630	5.00	ng		0.00
7) Naphthalene-d8	10.06	136	99036	5.00	ng		0.00
13) Acenaphthene-d10	13.97	164	55003	5.00	ng		0.00
19) Phenanthrene-d10	16.73	188	136235	5.00	ng		0.00
25) Chrysene-d12	20.98	240	109227	5.00	ng		0.00
34) Perylene-d12	23.08	264	106760	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.01	112	4310	0.79	ng		0.00
5) Phenol-d6	6.63	99	5084	0.81	ng		0.00
8) Nitrobenzene-d5	8.48	82	3752	0.83	ng		0.01
14) 2,4,6-Tribromophenol	15.50	330	1338	0.78	ng		0.00
15) 2-Fluorobiphenyl	12.58	172	12473	0.72	ng		0.00
28) Terphenyl-d14	19.41	244	12350	0.59	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.87	88	1966	0.70	ng	#	100
3) n-Nitrosodimethylamine	3.20	42	1353	0.75	ng	#	100
6) bis(2-Chloroethyl)ether	6.75	93	4498	0.76	ng	#	26
9) Nitrobenzene	8.52	77	4037	0.81	ng	#	100
10) Naphthalene	10.10	128	16018	0.68	ng		99
11) Hexachlorobutadiene	10.39	225	3076	0.76	ng	#	100
12) 2-Methylnaphthalene	11.75	142	11178	0.78	ng		99
16) Acenaphthylene	13.68	152	20060	0.78	ng	#	42
17) Acenaphthene	14.04	154	11726	0.72	ng	#	100
18) Fluorene	15.04	166	15451	0.78	ng	#	76
20) Hexachlorobenzene	16.07	284	4830	0.80	ng	#	100
21) Pentachlorophenol	16.47	266	379	0.45	ng		97
22) Phenanthrene	16.78	178	22228	0.67	ng	#	100
23) Anthracene	16.88	178	19682	0.65	ng	#	100
24) Fluoranthene	18.83	202	27739	0.64	ng		97
26) Benzidine	19.07	184	1773	0.21	ng	#	71
27) Pyrene	19.19	202	29628	0.70	ng	#	84
29) Benzo(a)anthracene	20.96	228	23832	0.65	ng		96
30) 3,3'-Dichlorobenzidine	20.92	252	8417	0.80	ng		96
31) Chrysene	21.00	228	26965m	0.60	ng		
32) Bis(2-ethylhexyl)phthalate	20.90	149	16266	0.71	ng	#	46
33) Indeno(1,2,3-cd)pyrene	25.16	276	24284	0.76	ng	#	82
35) Benzo(a)pyrene	22.99	252	23430	0.74	ng		97
36) Dibenzo(a,h)anthracene	25.17	278	18829	0.72	ng		98
37) Benzo(g,h,i)perylene	25.79	276	21004	0.71	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030516\
Data File : BM004561.D
Acq On : 05 Mar 2016 18:08
Operator : SJ/UM
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 07:32:48 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 :
SSTDICC0.8

Manual Integrations APPROVED
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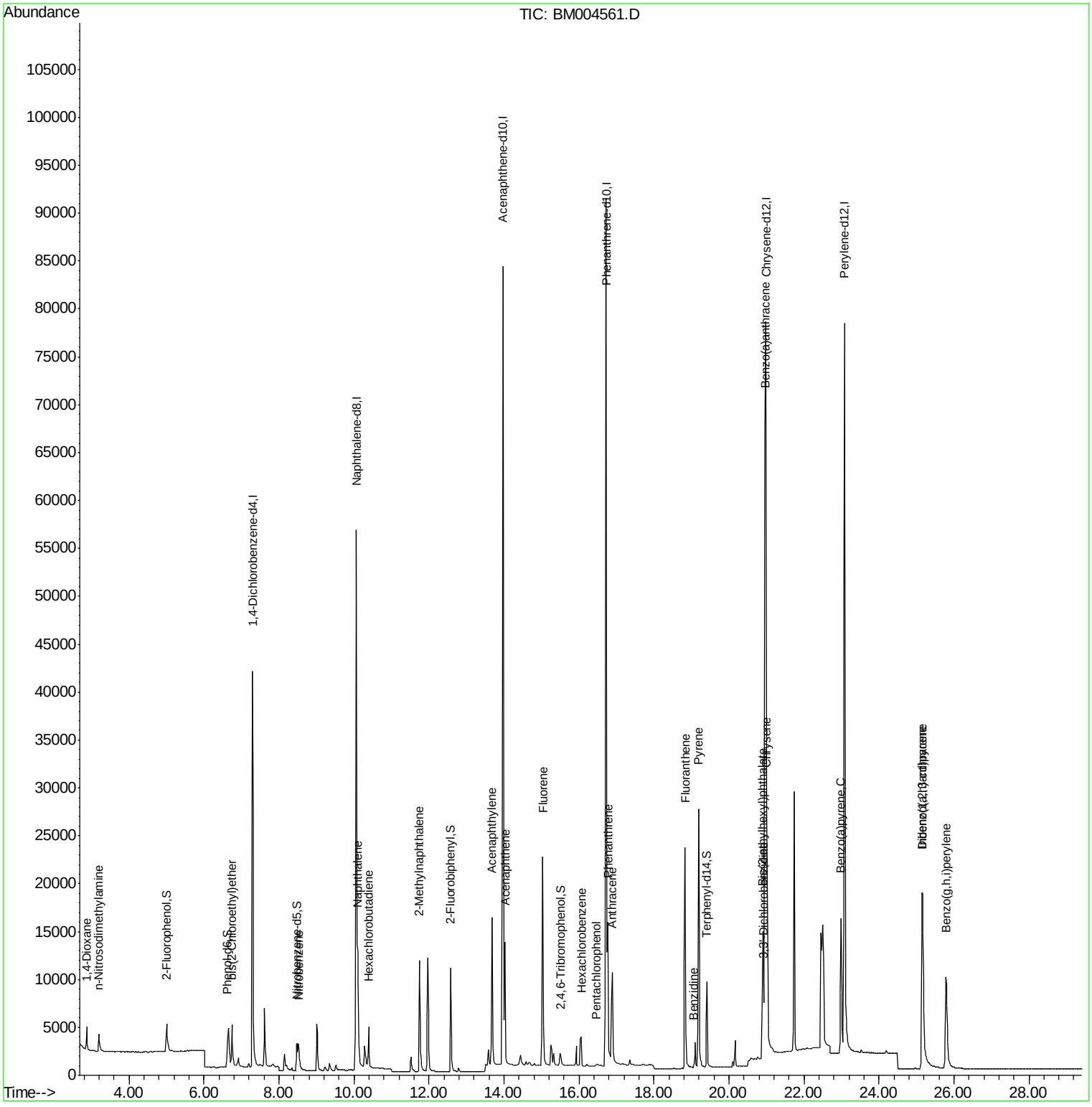
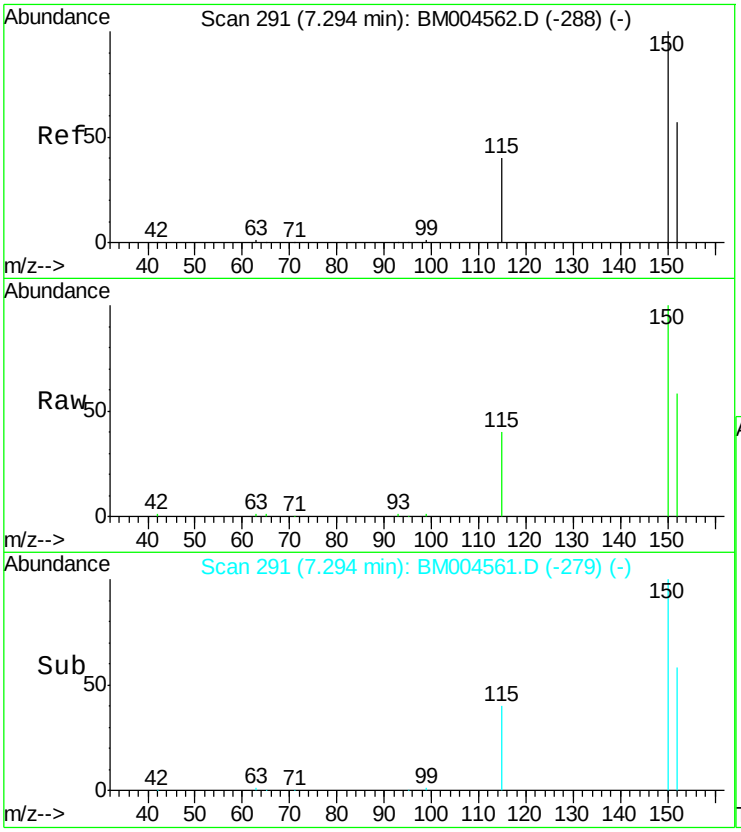
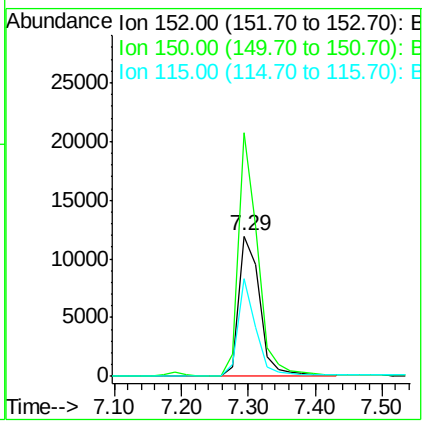




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.29 min Scan# 291
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:152 Resp: 25630

Ion	Ratio	Lower	Upper
152	100		
150	173.5	140.1	210.1
115	69.6	56.1	84.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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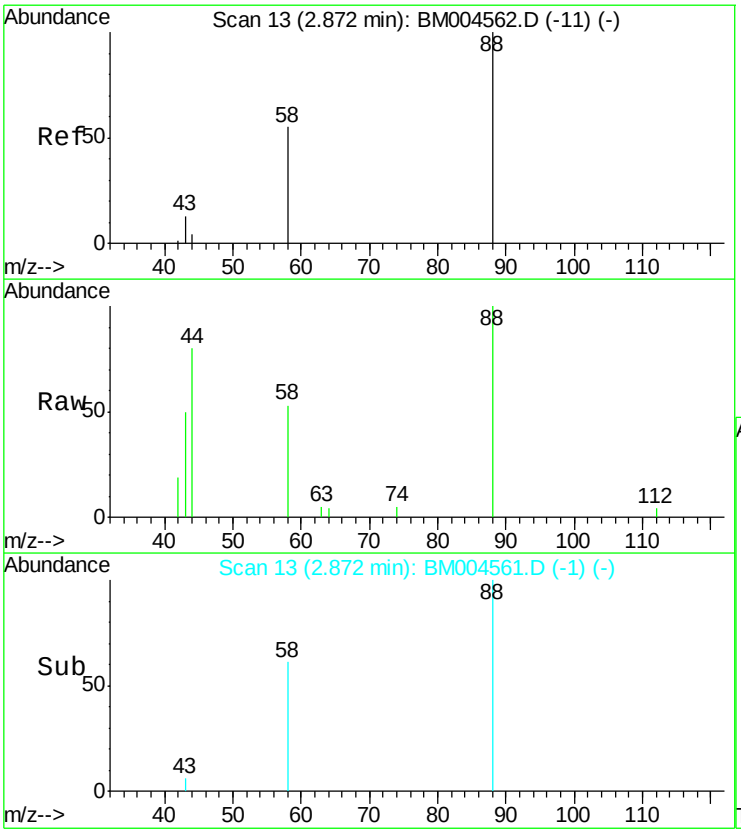
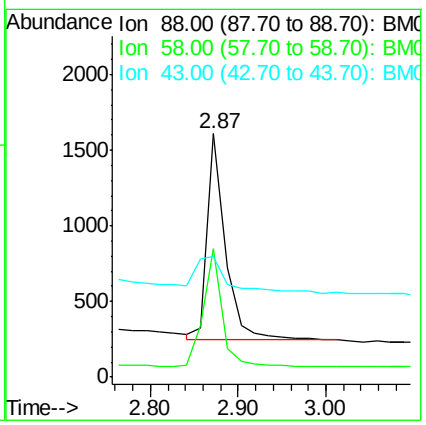
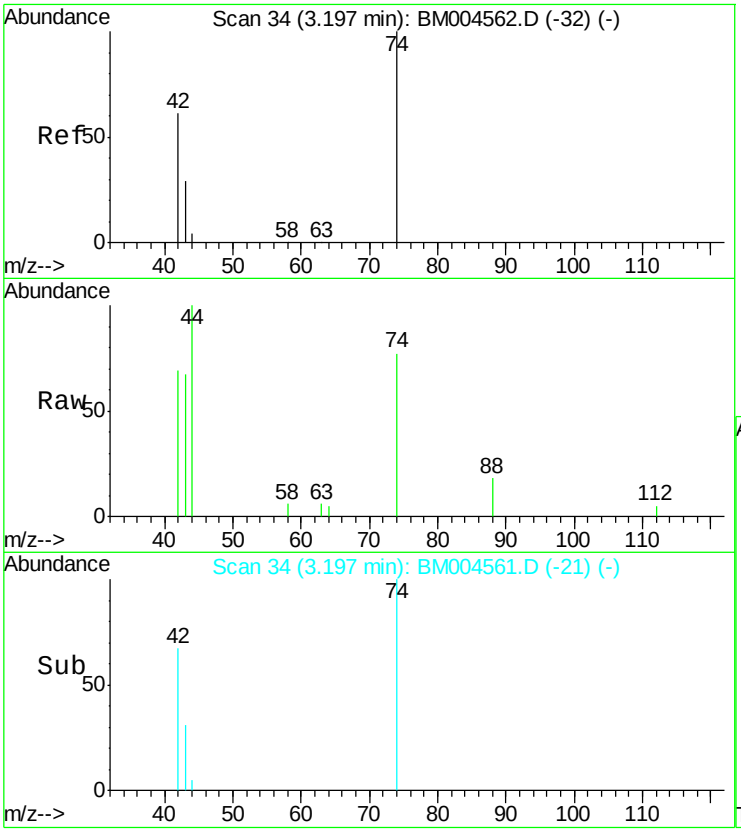


#2
1,4-Dioxane
Concen: 0.70 ng
RT: 2.87 min Scan# 13
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion: 88 Resp: 1966

Ion	Ratio	Lower	Upper
88	100		
58	58.1	0.0	0.0#
43	32.1	0.0	0.0#





#3
n-Nitrosodimethylamine
Concen: 0.75 ng
RT: 3.20 min Scan# 34
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion: 42 Resp: 1353

Ion	Ratio	Lower	Upper
42	100		
74	170.5	0.0	0.0#
44	8.1	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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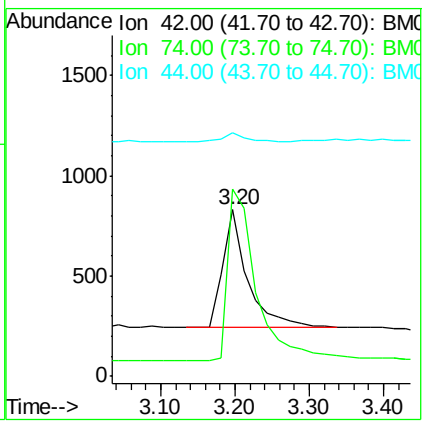
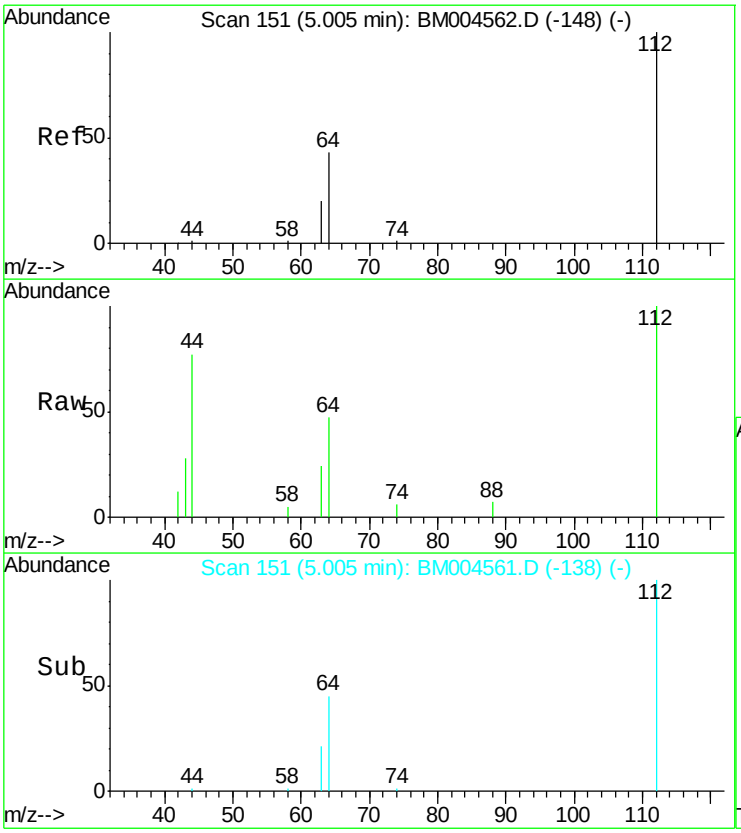
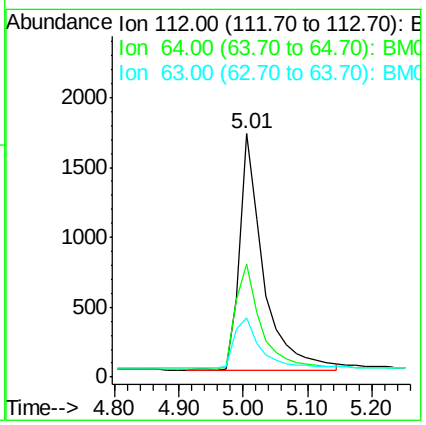


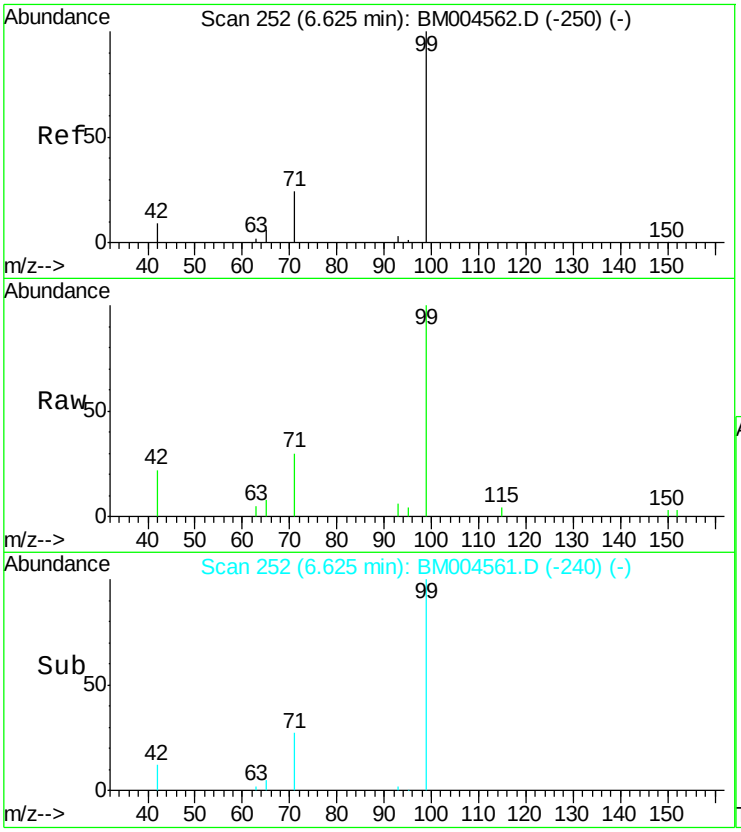


#4
2-Fluorophenol
Concen: 0.79 ng
RT: 5.01 min Scan# 151
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:112 Resp: 4310

Ion	Ratio	Lower	Upper
112	100		
64	47.8	0.0	0.0#
63	22.9	0.0	0.0#





#5
Phenol-d6
Concen: 0.81 ng
RT: 6.63 min Scan# 252
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion: 99 Resp: 5084

Ion	Ratio	Lower	Upper
99	100		
42	15.2	0.0	0.0#
71	27.2	0.2	0.2#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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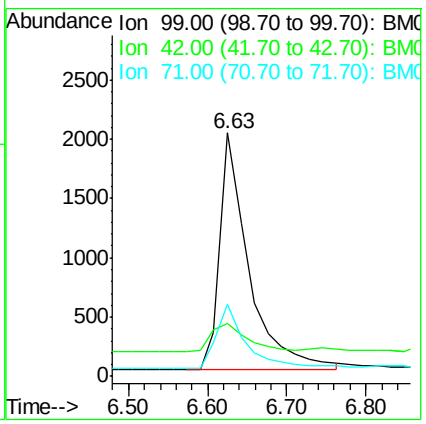
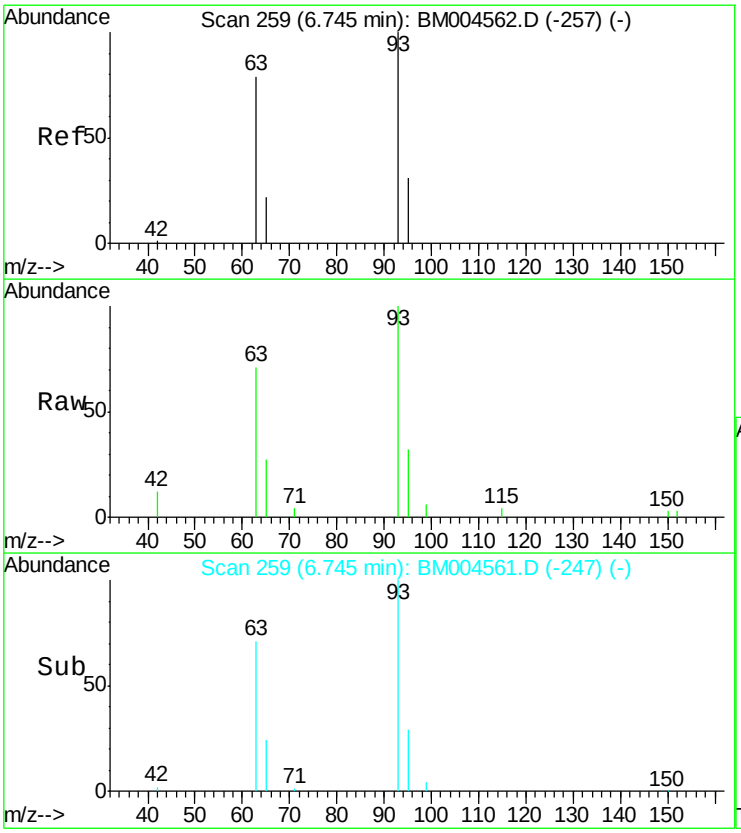
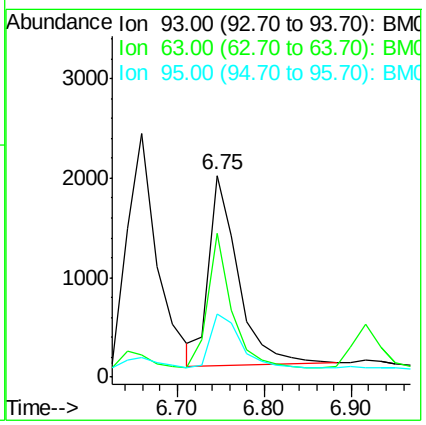


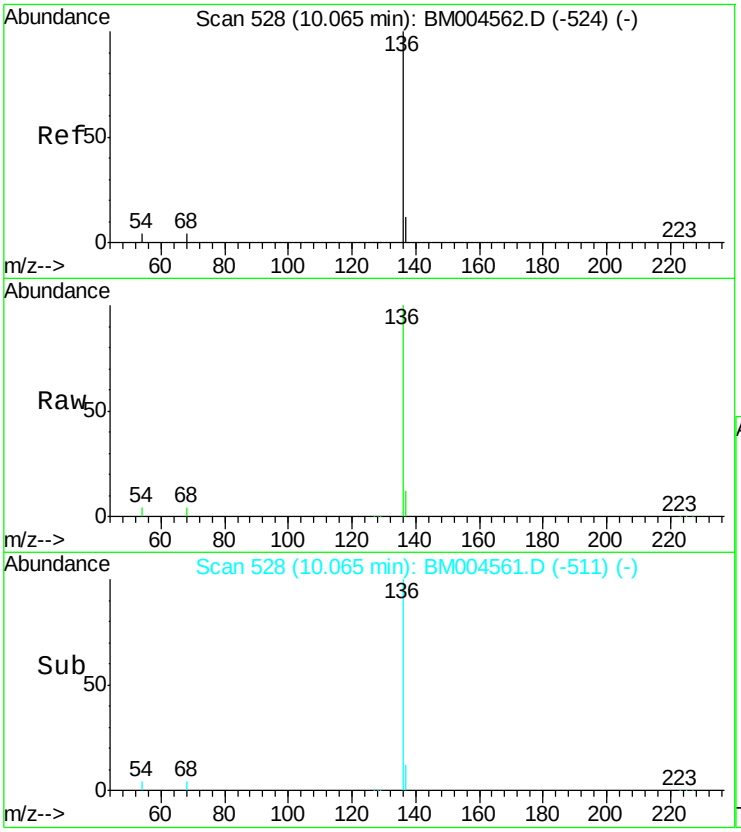


#6
bis(2-Chloroethyl)ether
Concen: 0.76 ng
RT: 6.75 min Scan# 259
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion: 93 Resp: 4498

Ion	Ratio	Lower	Upper
93	100		
63	59.8	18.7	28.1#
95	29.1	0.0	0.0#

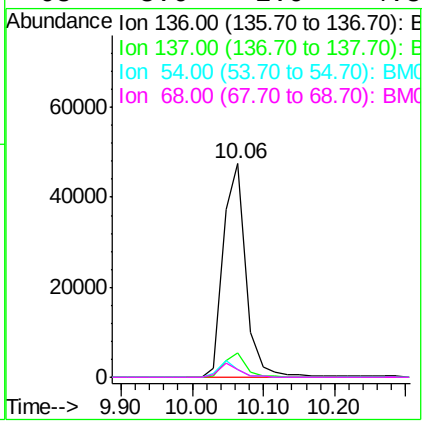




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.06 min Scan# 528
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:136 Resp: 99036

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	3.7	3.0	4.4
68	3.6	2.9	4.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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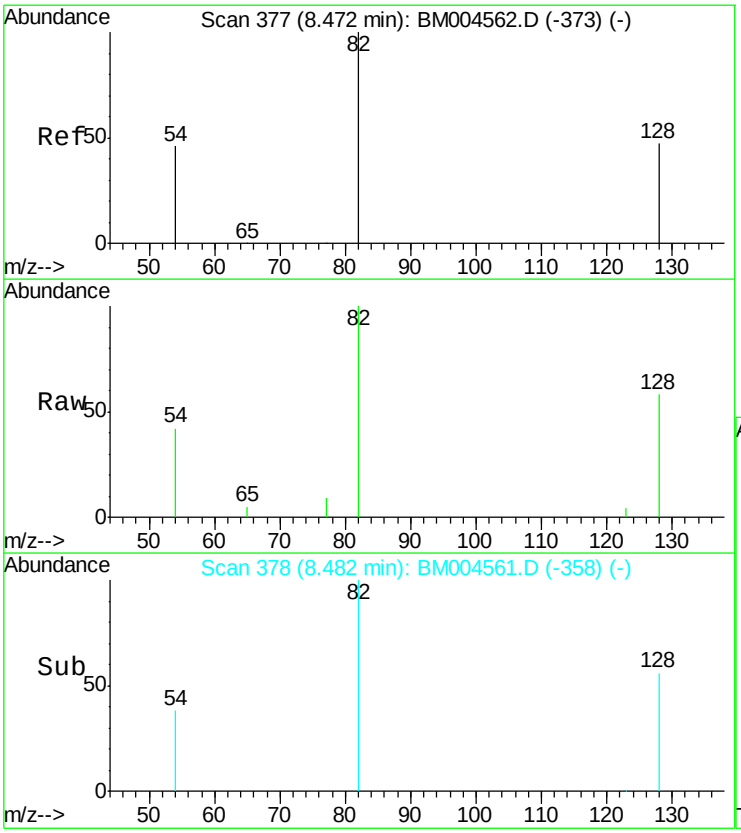
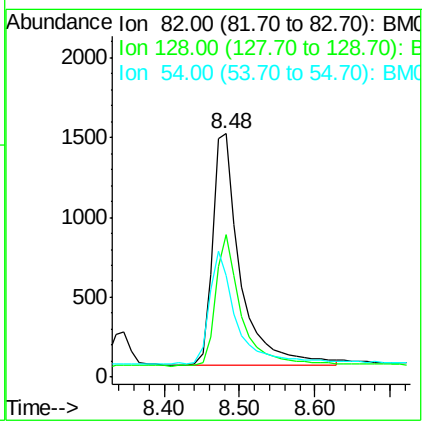
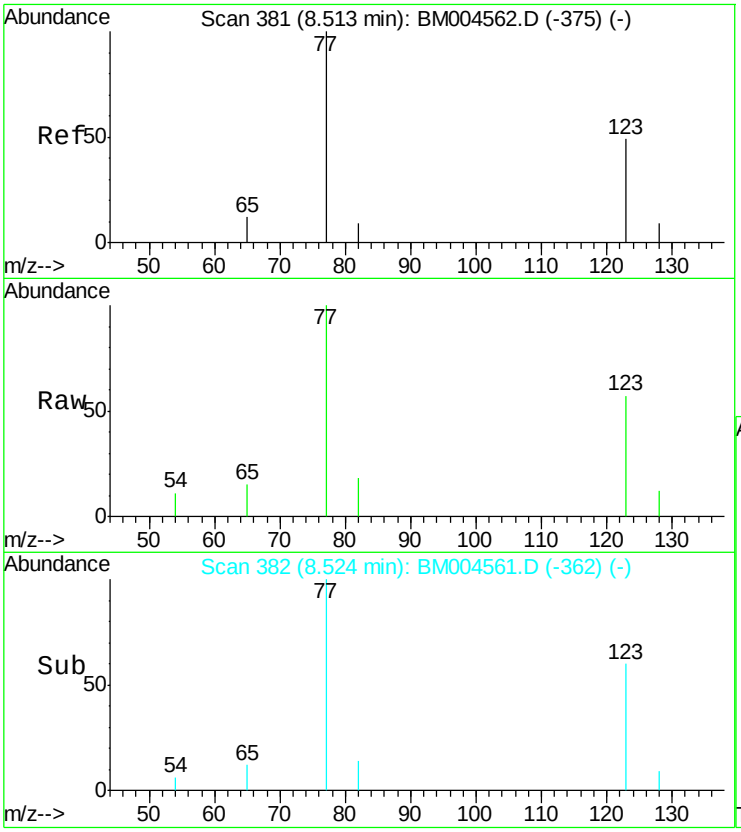


#8
Nitrobenzene-d5
Concen: 0.83 ng
RT: 8.48 min Scan# 378
Delta R.T. 0.01 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion: 82 Resp: 3752

Ion	Ratio	Lower	Upper
82	100		
128	58.3	38.6	58.0#
54	41.6	38.5	57.7





#9
Nitrobenzene
Concen: 0.81 ng
RT: 8.52 min Scan# 382
Delta R.T. 0.01 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion: 77 Resp: 4037

Ion	Ratio	Lower	Upper
77	100		
123	56.3	0.0	0.0#
65	12.2	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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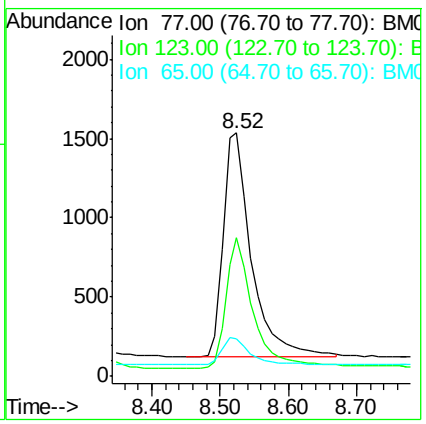
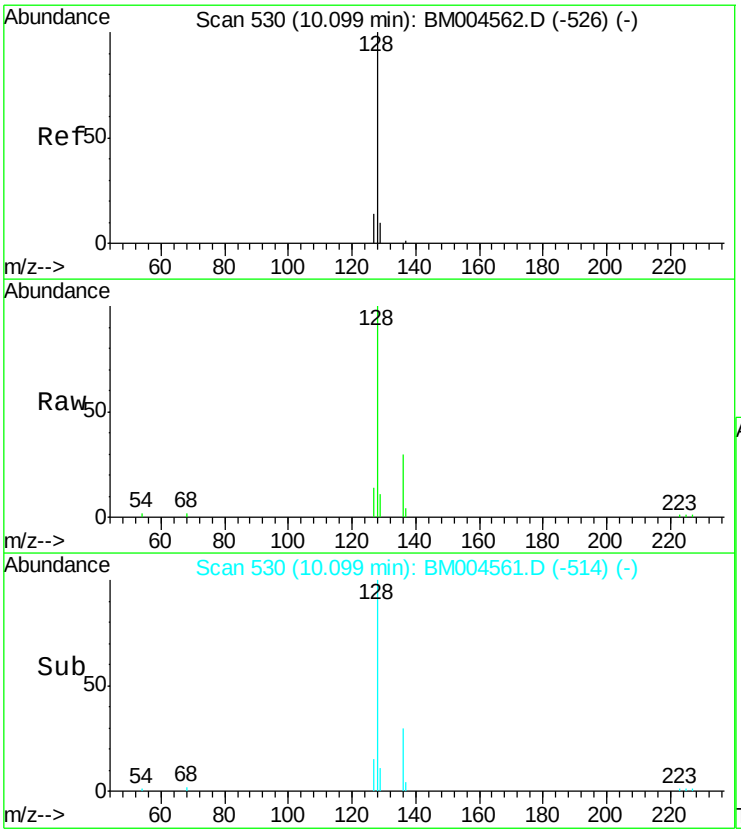
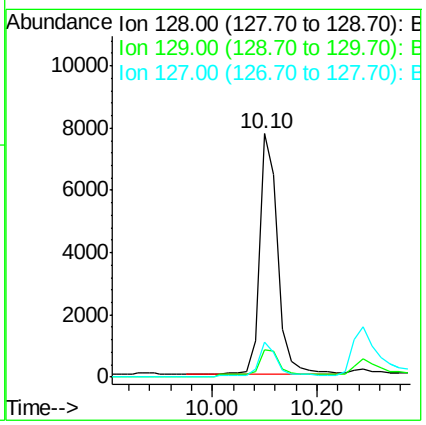


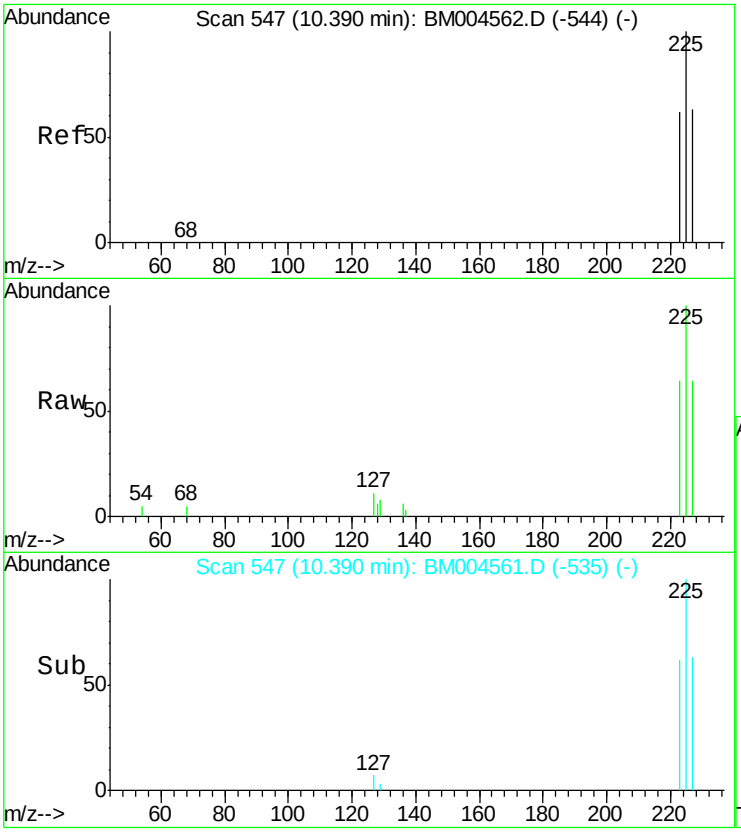


#10
Naphthalene
Concen: 0.68 ng
RT: 10.10 min Scan# 530
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:128 Resp: 16018

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	14.3	11.3	16.9

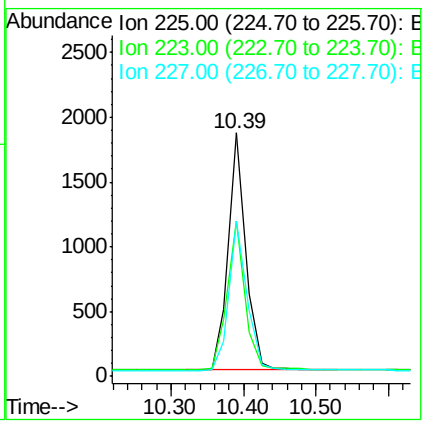




#11
Hexachlorobutadiene
Concen: 0.76 ng
RT: 10.39 min Scan# 547
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:225 Resp: 3076

Ion	Ratio	Lower	Upper
225	100		
223	62.6	0.0	0.0#
227	63.9	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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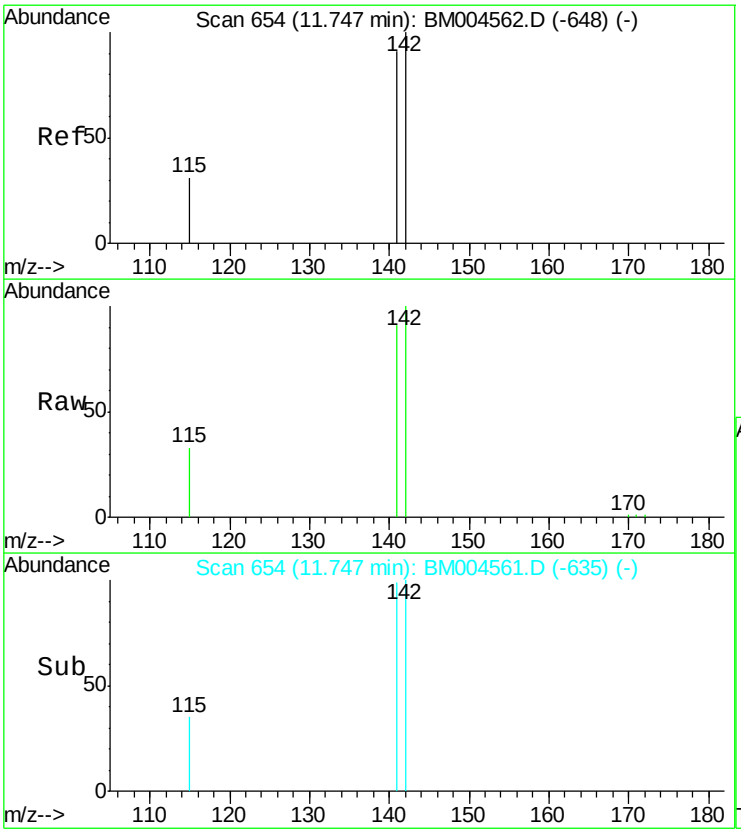
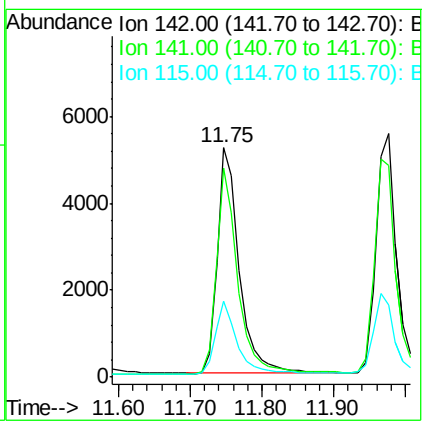
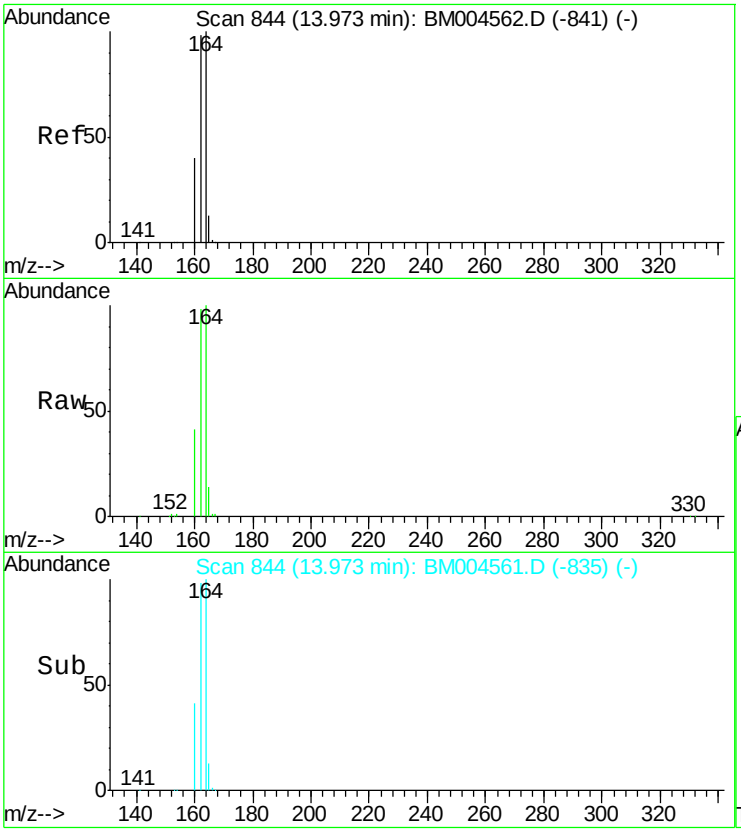


#12
2-Methylnaphthalene
Concen: 0.78 ng
RT: 11.75 min Scan# 654
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:142 Resp: 11178

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.3	108.5
115	33.3	25.4	38.2

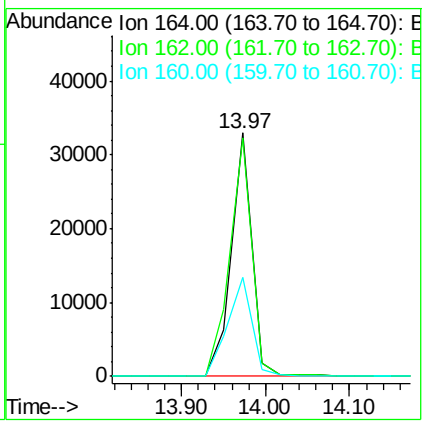




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.97 min Scan# 844
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:164 Resp: 55003

Ion	Ratio	Lower	Upper
164	100		
162	97.9	78.2	117.2
160	40.8	31.9	47.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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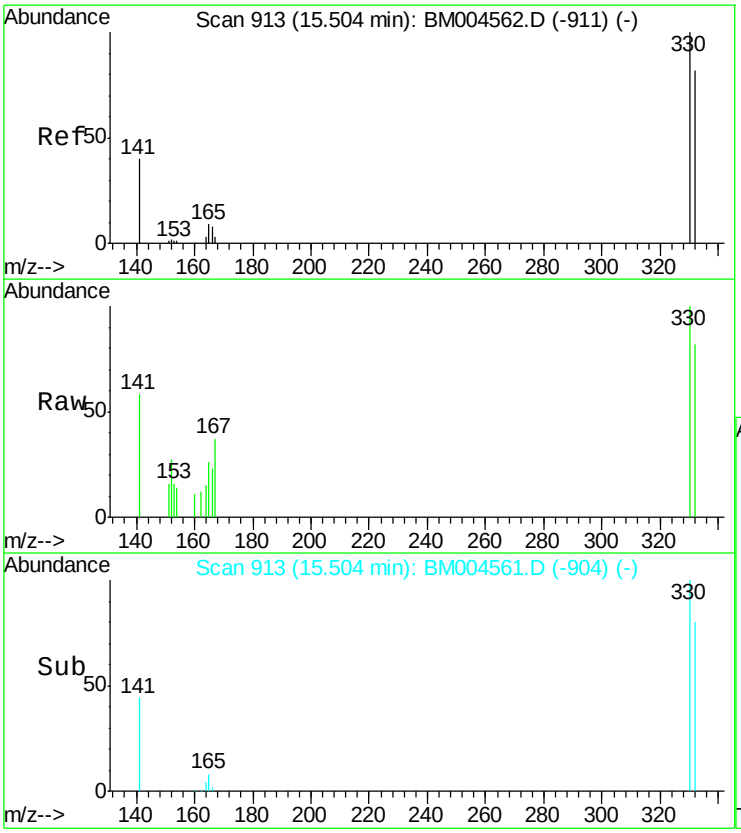
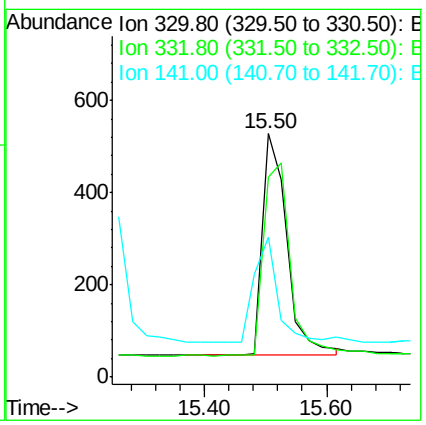
3/7/2016 12:36:40 PM

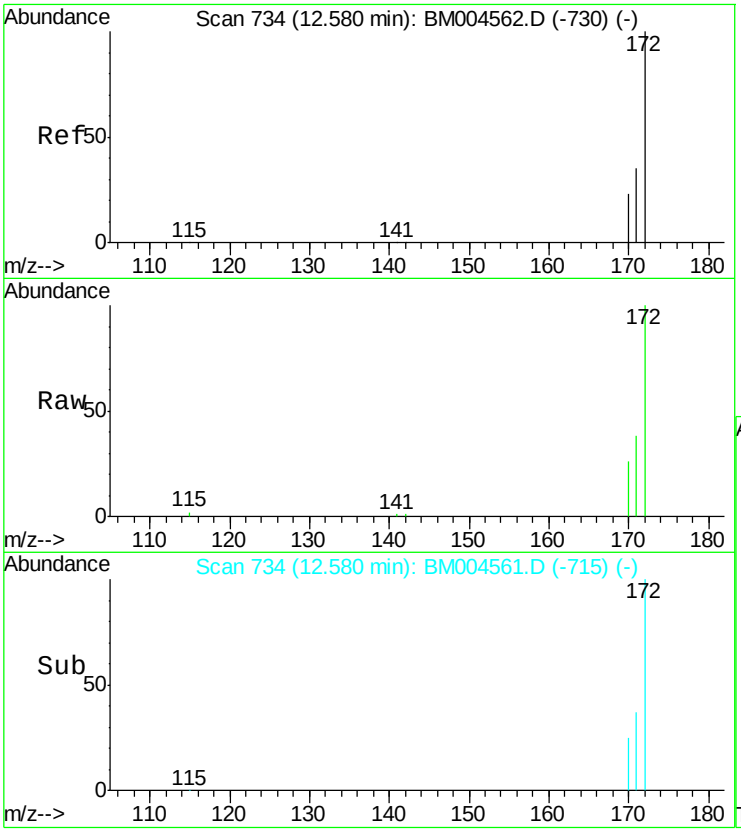


#14
2,4,6-Tribromophenol
Concen: 0.78 ng
RT: 15.50 min Scan# 913
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:330 Resp: 1338

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.5	0.0	0.0#

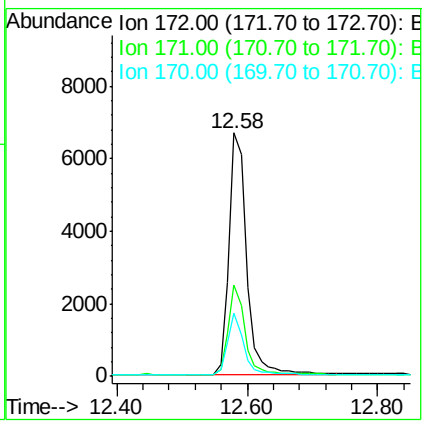




#15
2-Fluorobiphenyl
Concen: 0.72 ng
RT: 12.58 min Scan# 734
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:172 Resp: 12473

Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.6	42.8
170	25.8	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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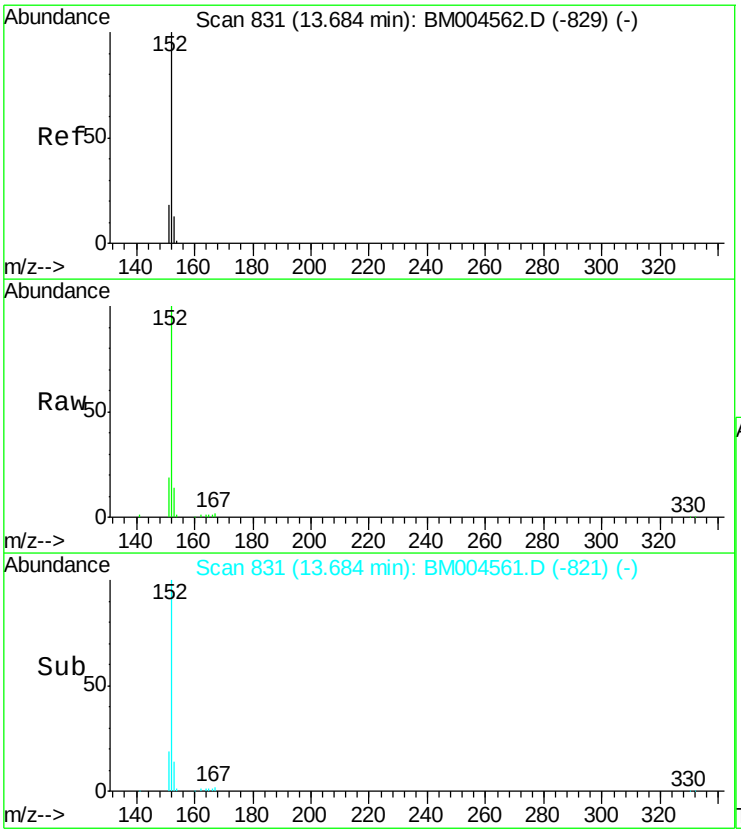
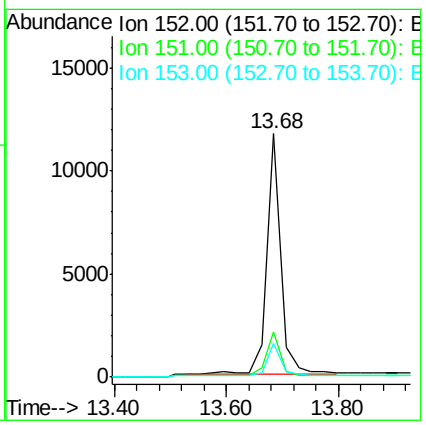
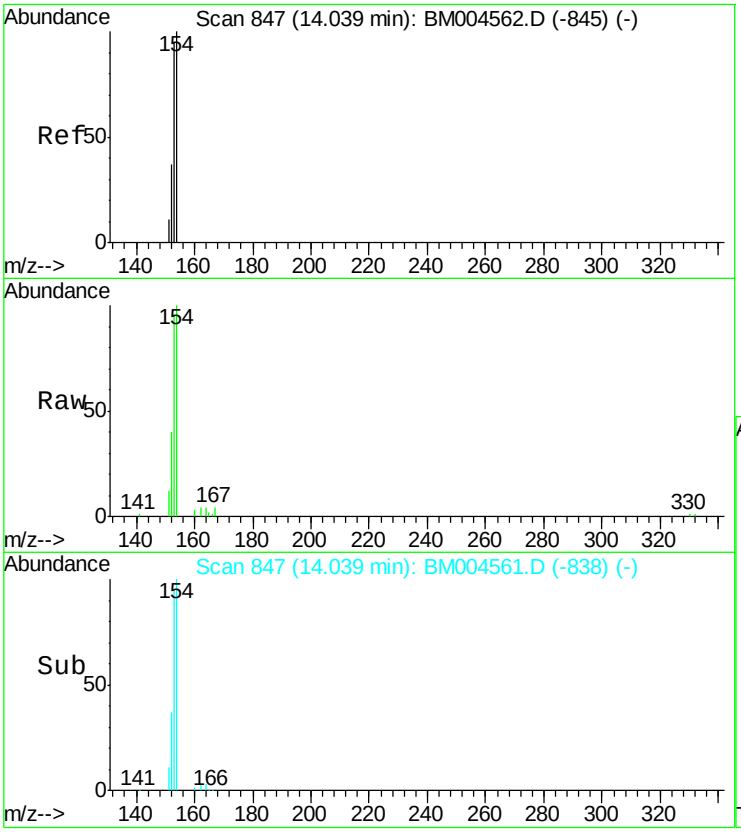


#16
Acenaphthylene
Concen: 0.78 ng
RT: 13.68 min Scan# 831
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:152 Resp: 20060

Ion	Ratio	Lower	Upper
152	100		
151	18.6	9.2	13.8#
153	12.8	51.4	77.0#





#17
Acenaphthene
Concen: 0.72 ng
RT: 14.04 min Scan# 847
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:154 Resp: 11726

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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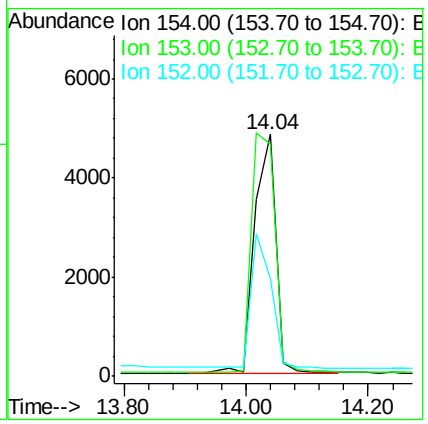
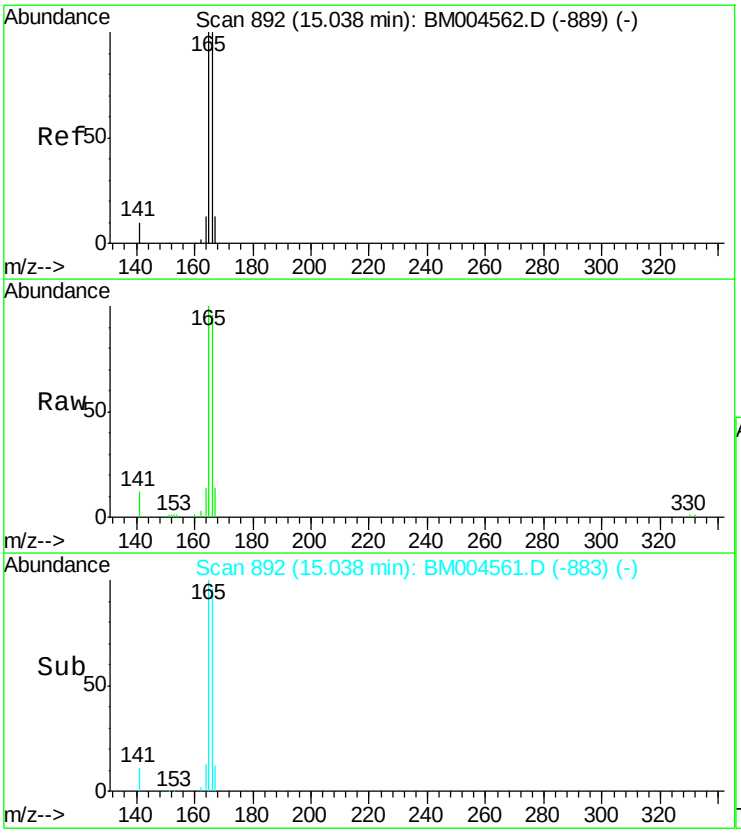
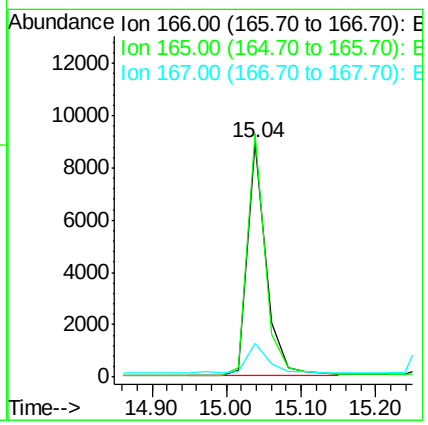


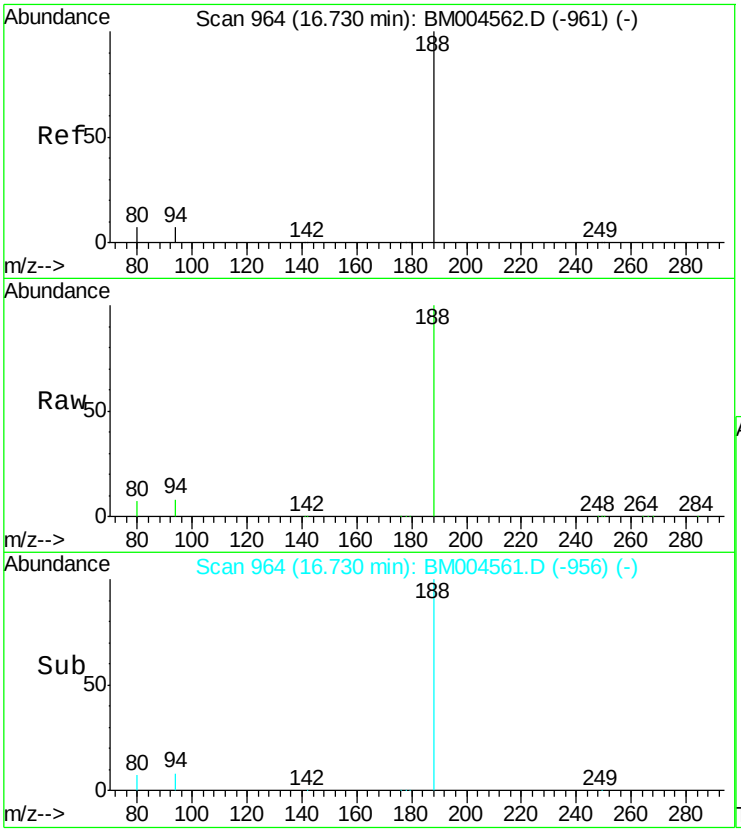


#18
Fluorene
Concen: 0.78 ng
RT: 15.04 min Scan# 892
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:166 Resp: 15451

Ion	Ratio	Lower	Upper
166	100		
165	99.6	0.0	0.0#
167	13.0	20.0	30.0#

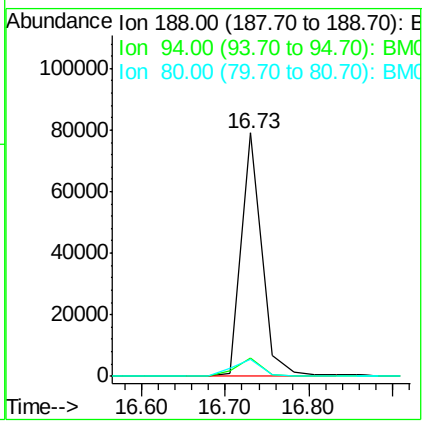




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.73 min Scan# 964
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:188 Resp: 136235

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.0	9.0
80	6.8	5.3	7.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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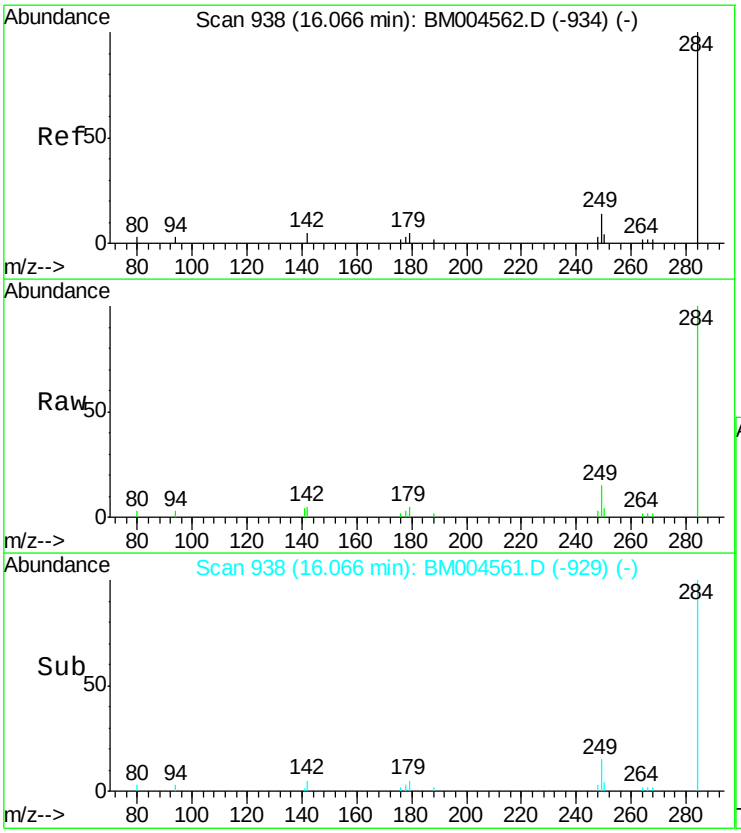
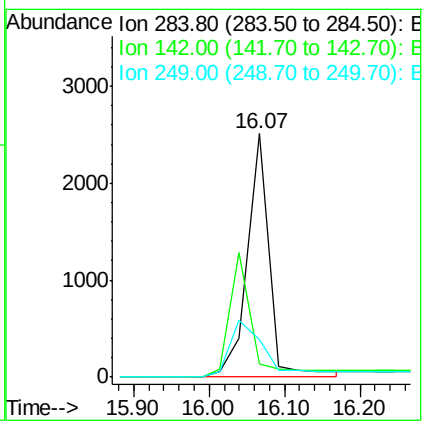
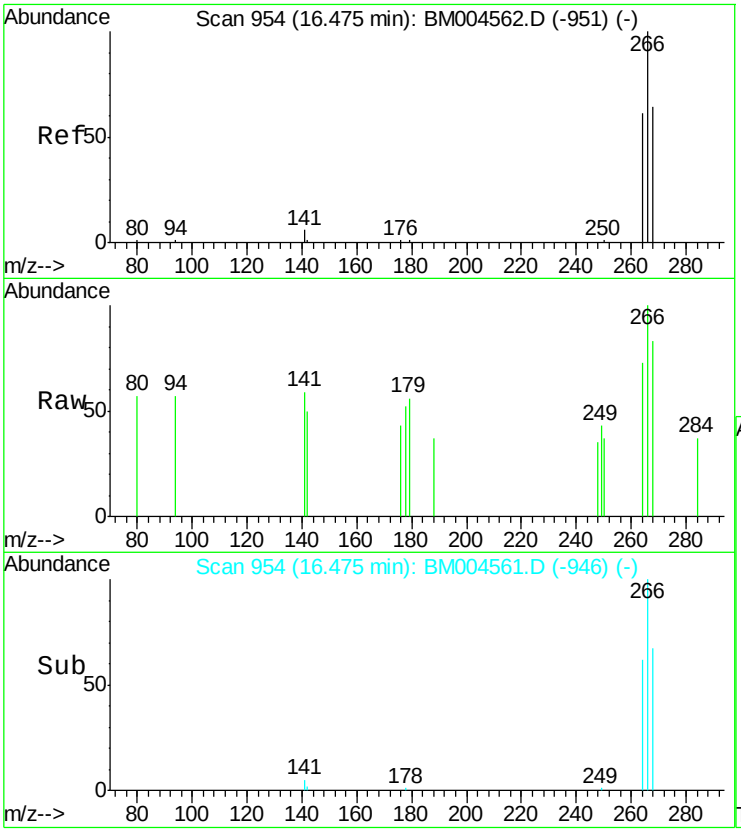


#20
Hexachlorobenzene
Concen: 0.80 ng
RT: 16.07 min Scan# 938
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:284 Resp: 4830

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

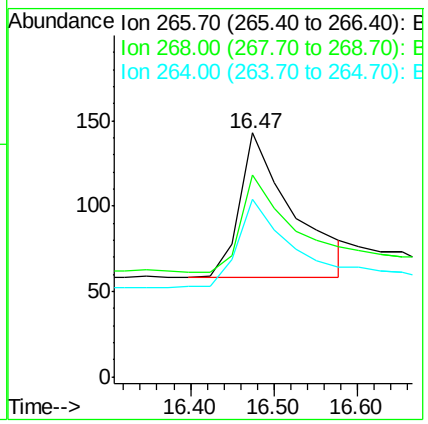




#21
Pentachlorophenol
Concen: 0.45 ng
RT: 16.47 min Scan# 954
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:266 Resp: 379

Ion	Ratio	Lower	Upper
266	100		
268	82.5	62.6	94.0
264	72.7	57.4	86.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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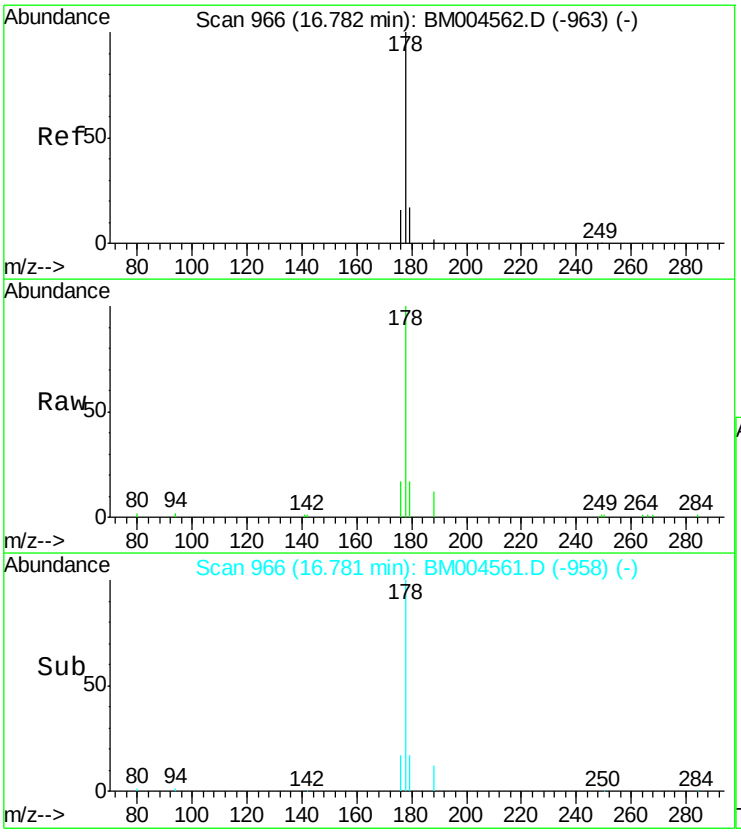
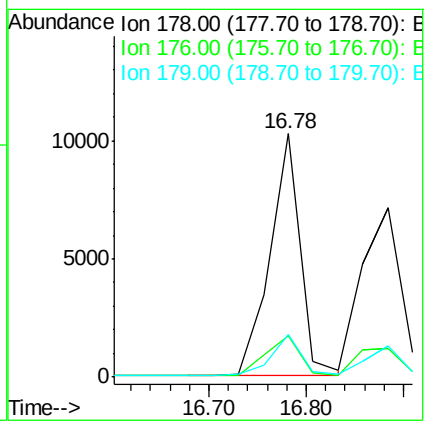
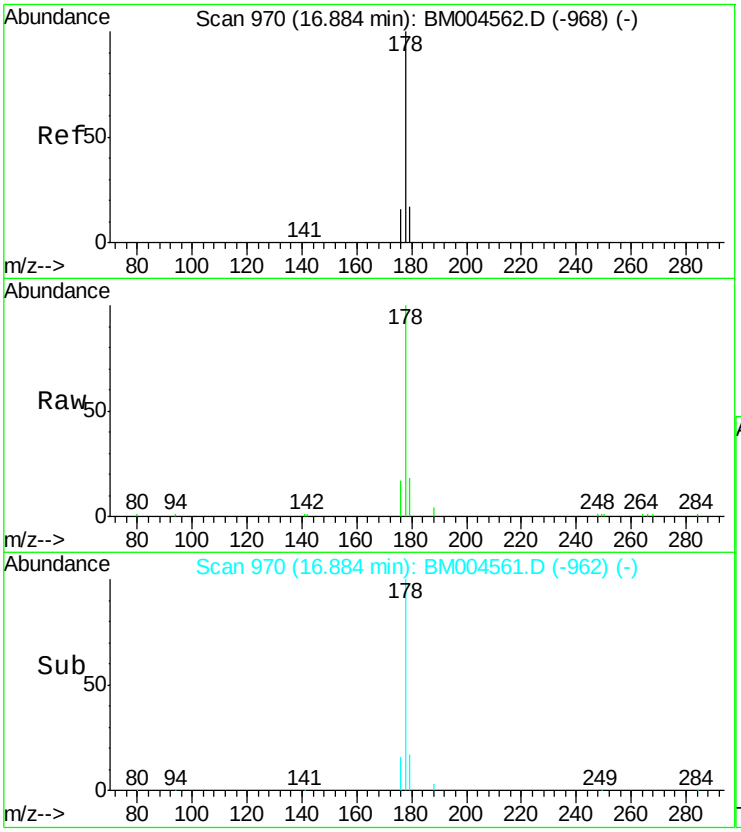


#22
Phenanthrene
Concen: 0.67 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:178 Resp: 22228

Ion	Ratio	Lower	Upper
178	100		
176	18.7	0.0	0.0#
179	16.4	0.0	0.0#

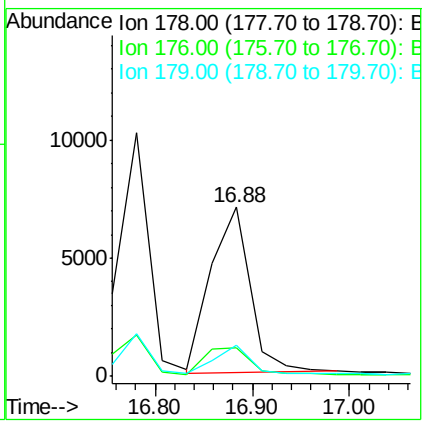




#23
Anthracene
Concen: 0.65 ng
RT: 16.88 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:178 Resp: 19682

Ion	Ratio	Lower	Upper
178	100		
176	18.6	0.0	0.0#
179	15.1	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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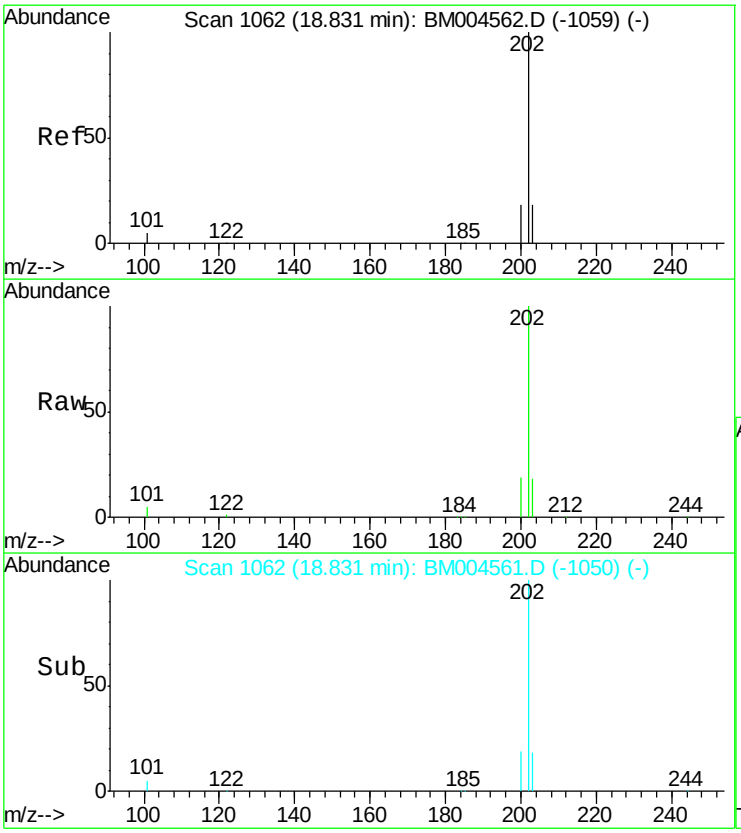
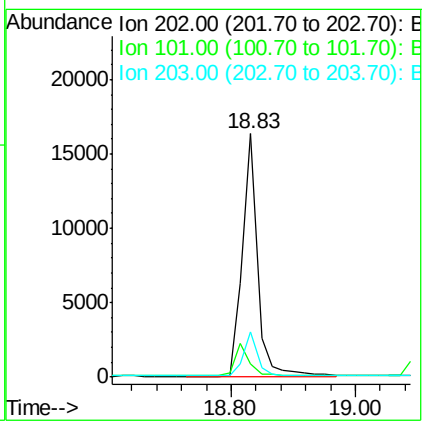
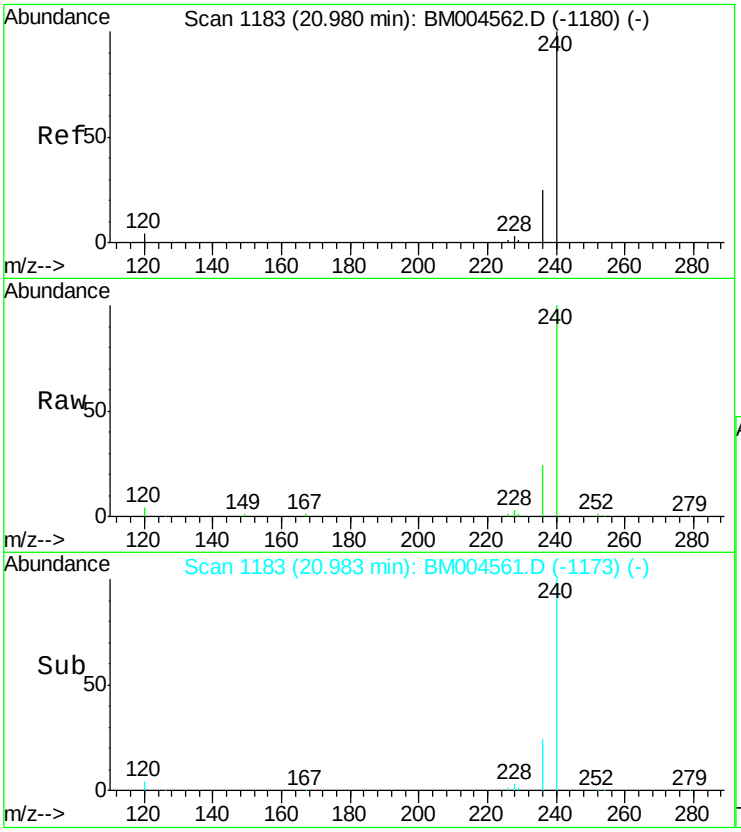


#24
Fluoranthene
Concen: 0.64 ng
RT: 18.83 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:202 Resp: 27739

Ion	Ratio	Lower	Upper
202	100		
101	13.3	12.2	18.4
203	17.3	14.6	21.8

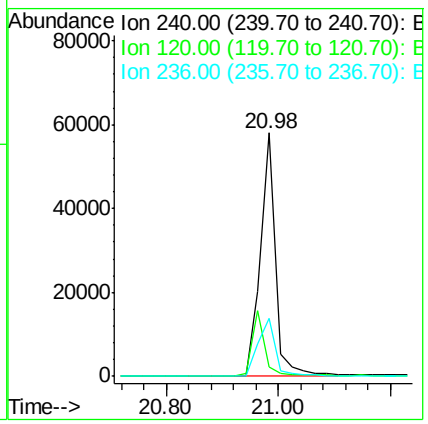




#25
Chrysene-d12
Concen: 5.00 ng
RT: 20.98 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:240 Resp: 109227

Ion	Ratio	Lower	Upper
240	100		
120	3.9	3.5	5.3
236	24.1	20.3	30.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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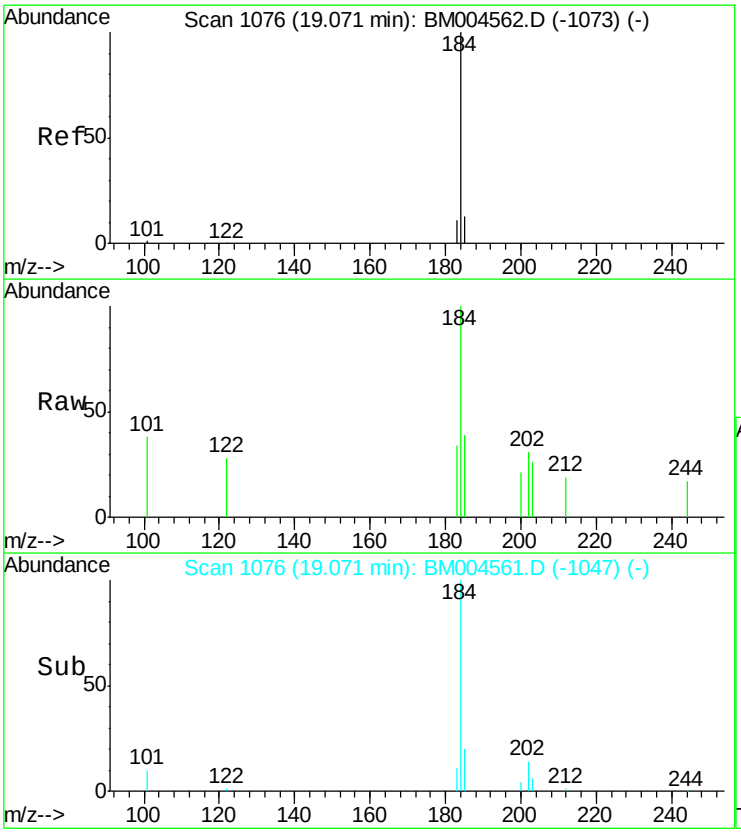
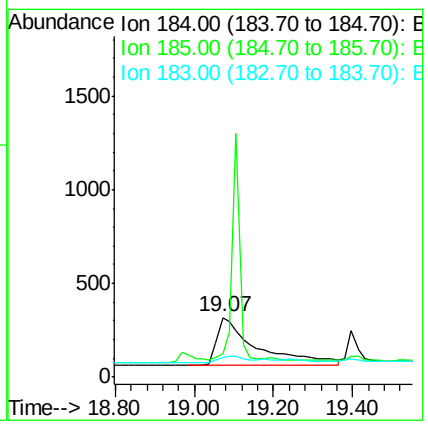
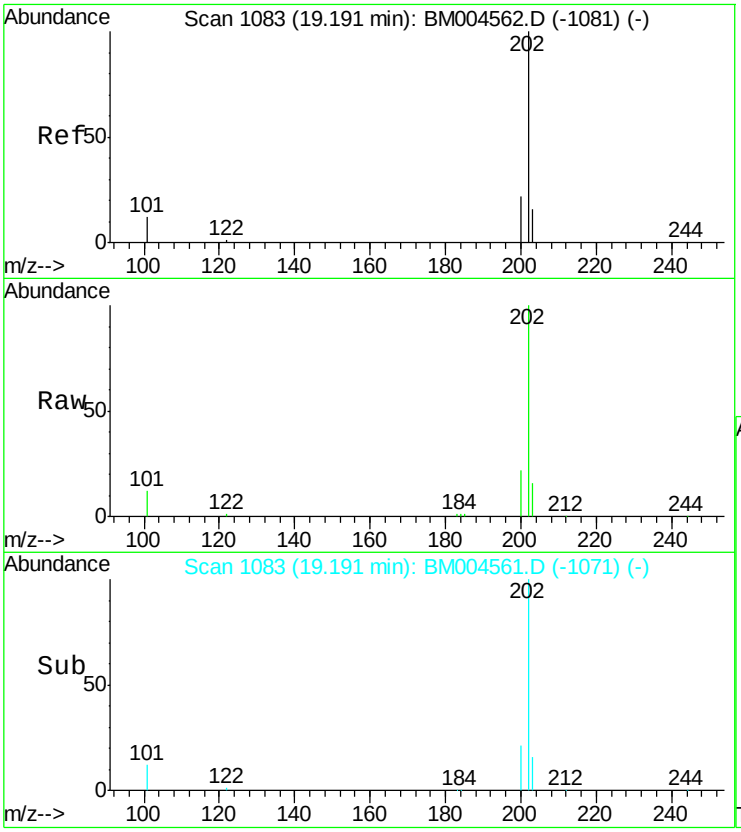


#26
Benzidine
Concen: 0.21 ng
RT: 19.07 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:184 Resp: 1773

Ion	Ratio	Lower	Upper
184	100		
185	38.8	19.4	29.0#
183	34.1	16.5	24.7#





#27
Pyrene
Concen: 0.70 ng
RT: 19.19 min Scan# 1083
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:202 Resp: 29628

Ion	Ratio	Lower	Upper
202	100		
200	20.7	0.2	0.2#
203	17.4	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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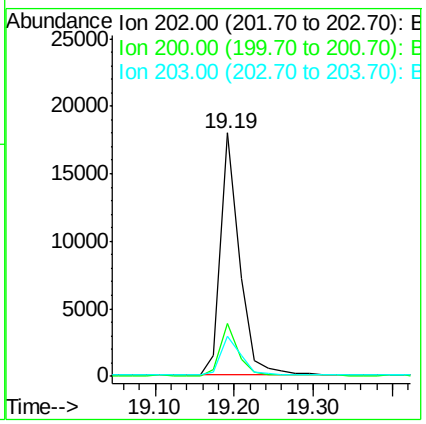
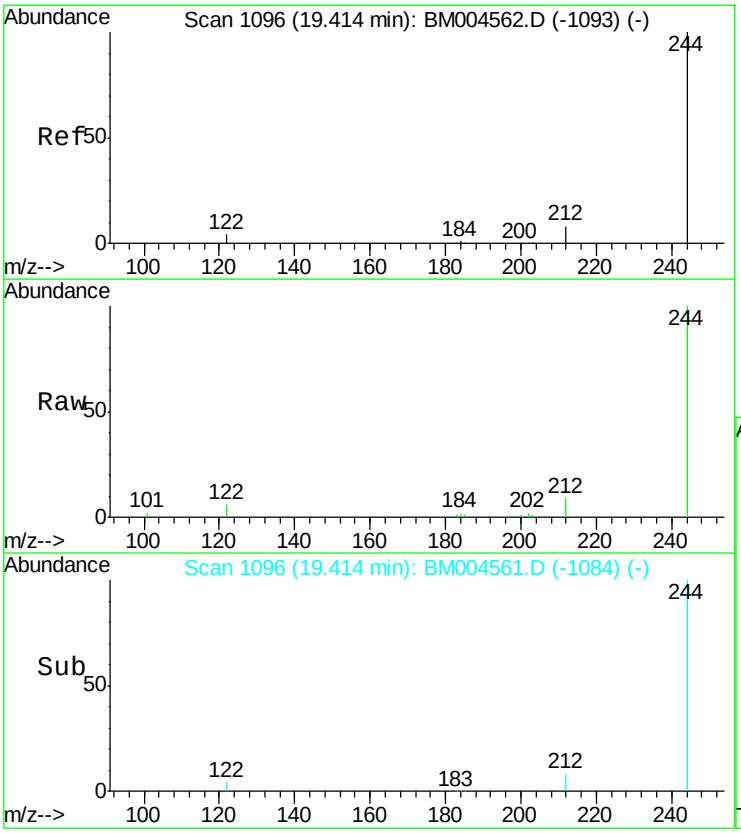
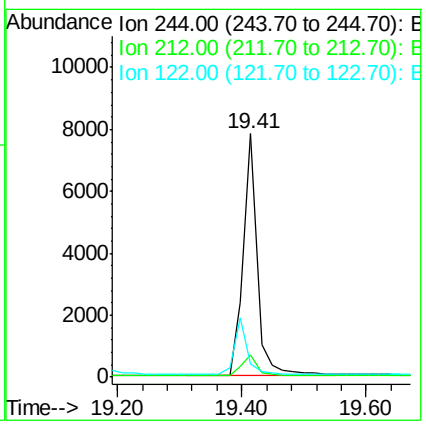


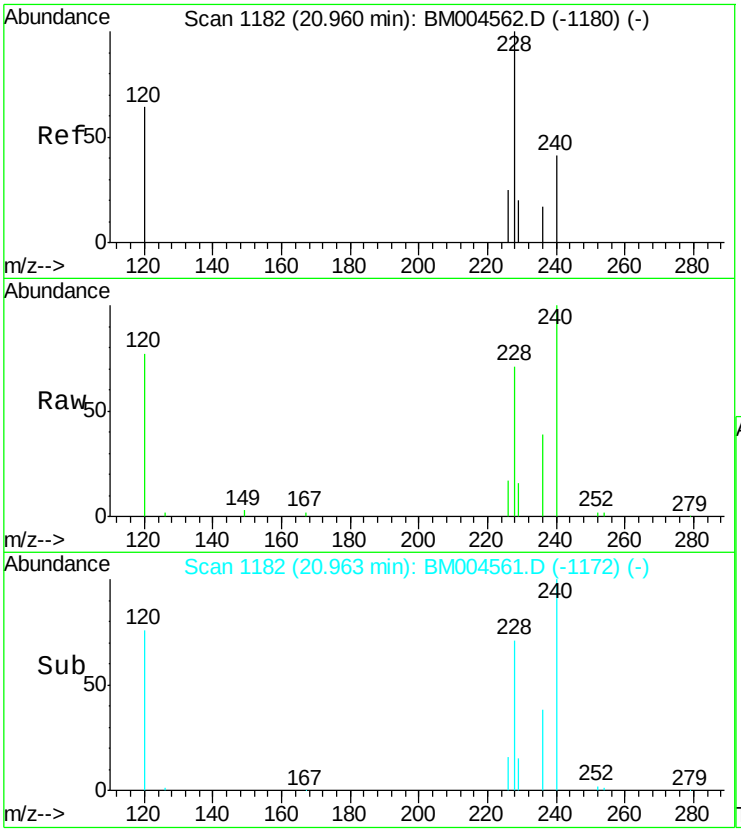


#28
Terphenyl-d14
Concen: 0.59 ng
RT: 19.41 min Scan# 1096
Delta R.T. -0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:244 Resp: 12350

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.4
122	5.6	4.2	6.4

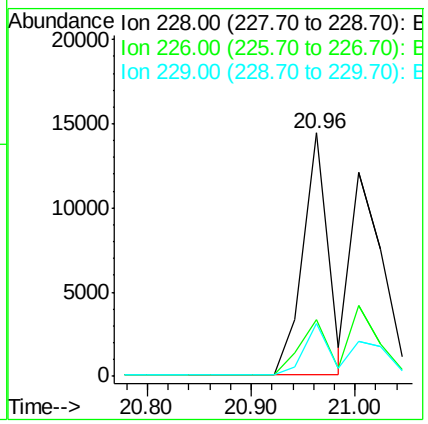




#29
Benzo(a)anthracene
Concen: 0.65 ng
RT: 20.96 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:228 Resp: 23832

Ion	Ratio	Lower	Upper
228	100		
226	23.5	20.3	30.5
229	21.9	16.3	24.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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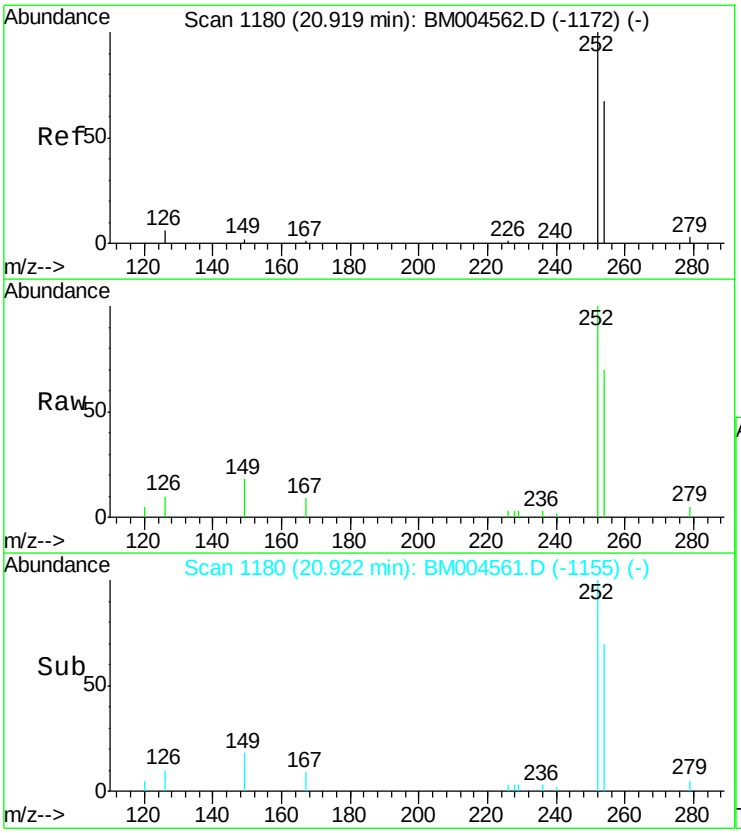
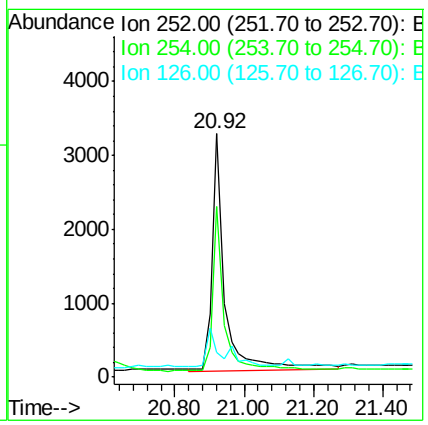
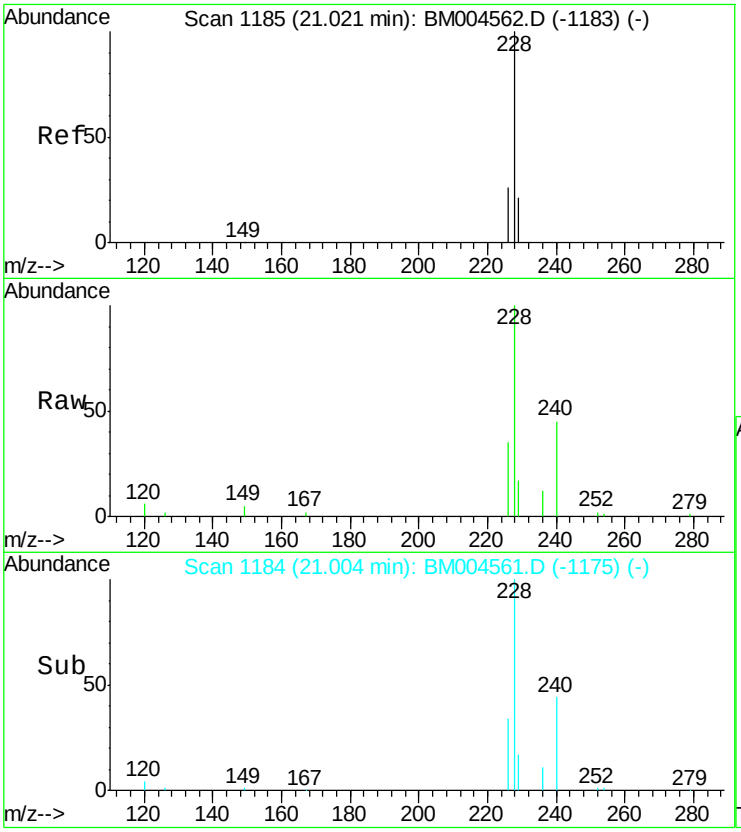


#30
3,3'-Dichlorobenzidine
Concen: 0.80 ng
RT: 20.92 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:252 Resp: 8417

Ion	Ratio	Lower	Upper
252	100		
254	70.2	53.9	80.9
126	10.2	6.9	10.3

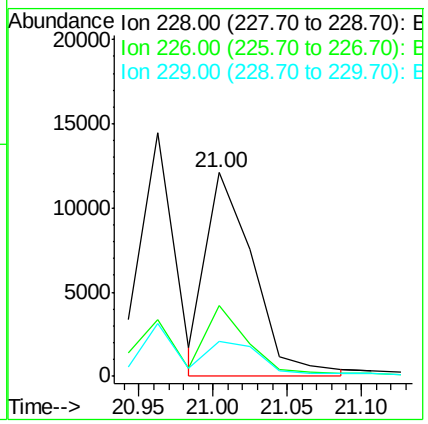




#31
Chrysene
Concen: 0.60 ng m
RT: 21.00 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:228 Resp: 26965

Ion	Ratio	Lower	Upper
228	100		
226	34.5	20.3	30.5#
229	17.3	17.8	26.6#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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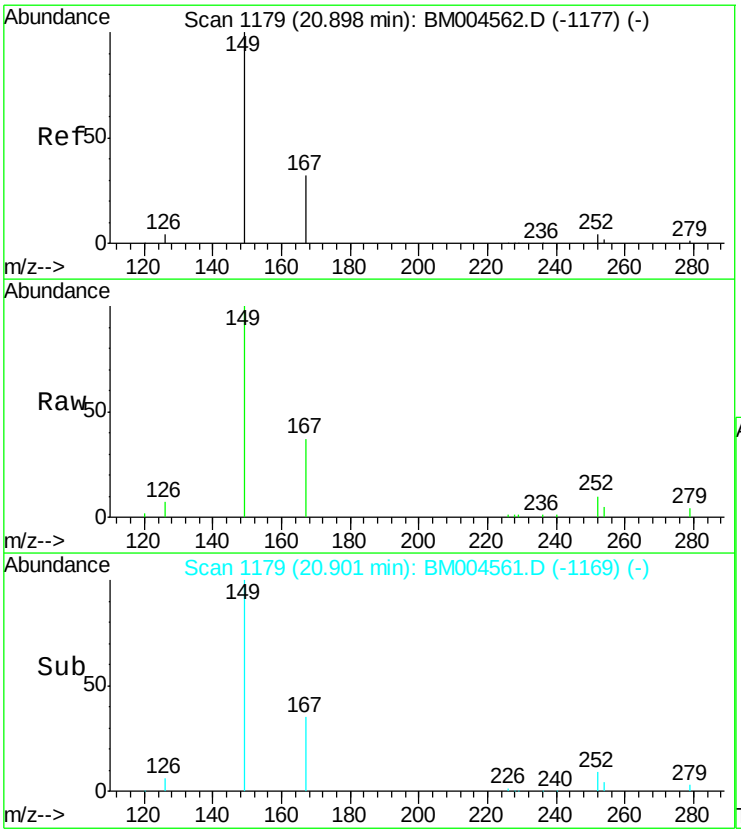
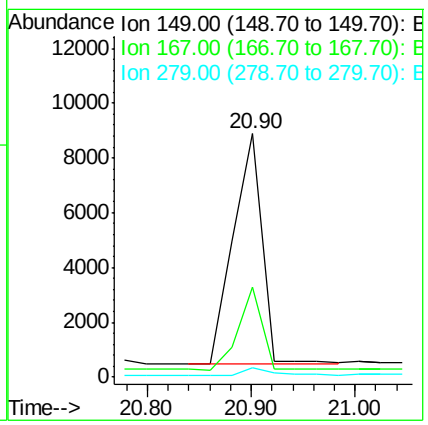
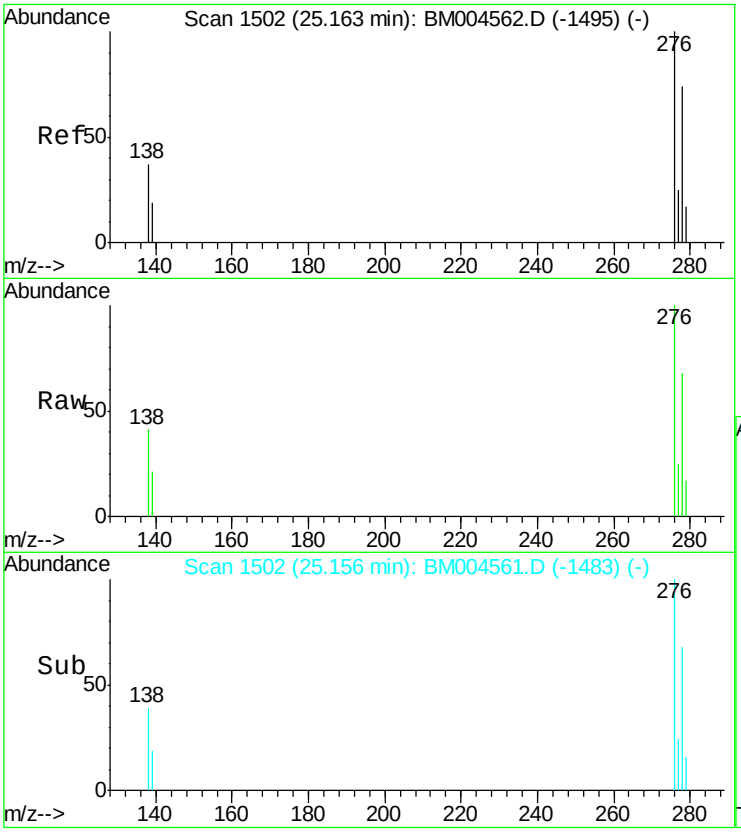


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.71 ng
RT: 20.90 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:149 Resp: 16266

Ion	Ratio	Lower	Upper
149	100		
167	29.1	0.6	0.8#
279	3.2	0.0	0.0#





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.76 ng
RT: 25.16 min Scan# 1502
Delta R.T. -0.01 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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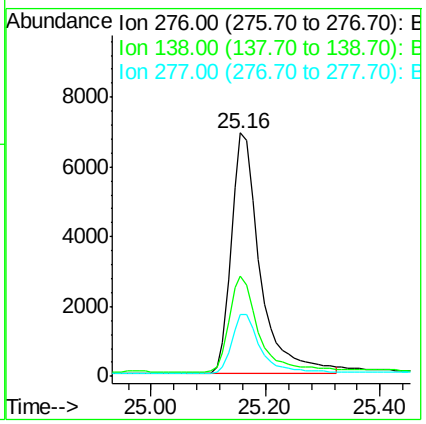
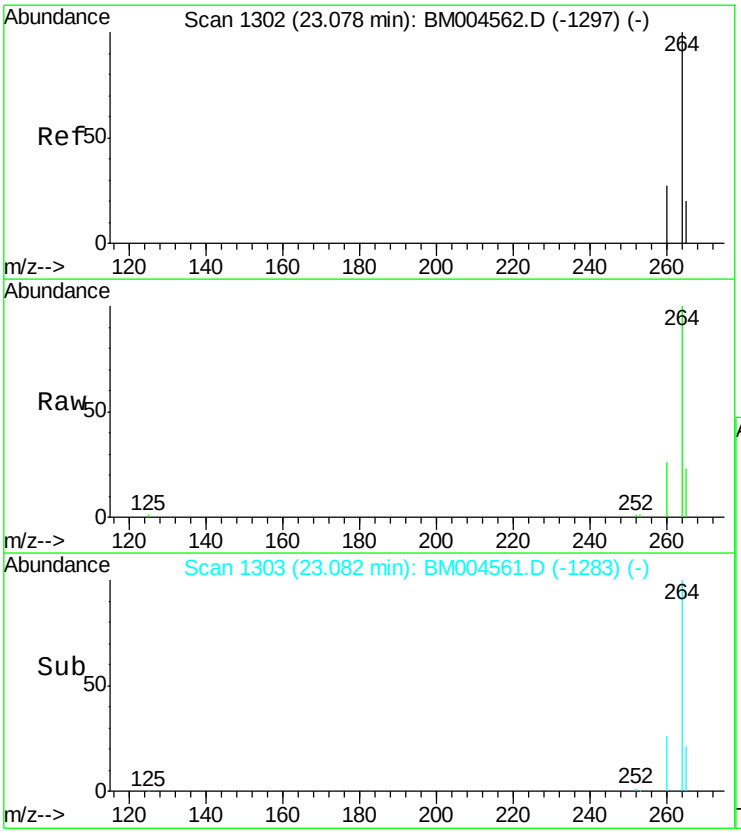
Tgt Ion:276 Resp: 24284

Ion	Ratio	Lower	Upper
276	100		
138	40.2	22.8	34.2#
277	24.7	15.2	22.8#

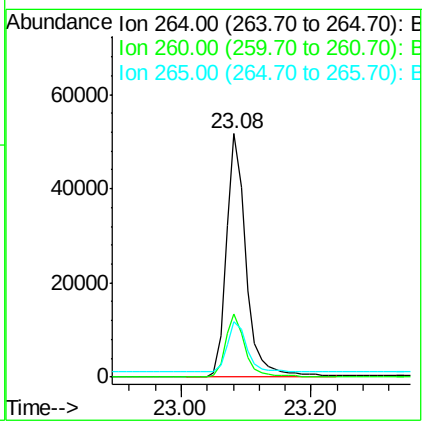


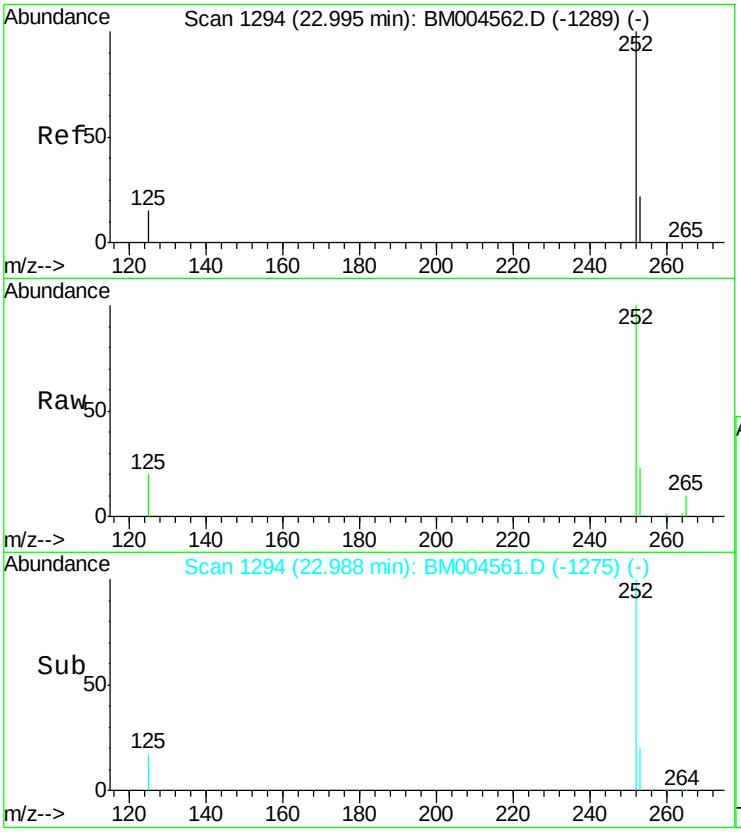


#34
Perylene-d12
Concen: 5.00 ng
RT: 23.08 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:264 Resp: 106760

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.4	32.2
265	22.7	17.8	26.8

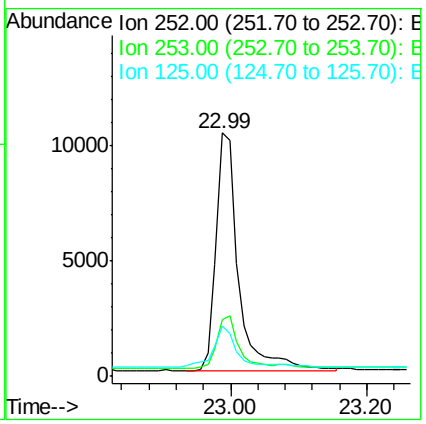




#35
Benzo(a)pyrene
Concen: 0.74 ng
RT: 22.99 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:252 Resp: 23430

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.6
125	20.4	14.4	21.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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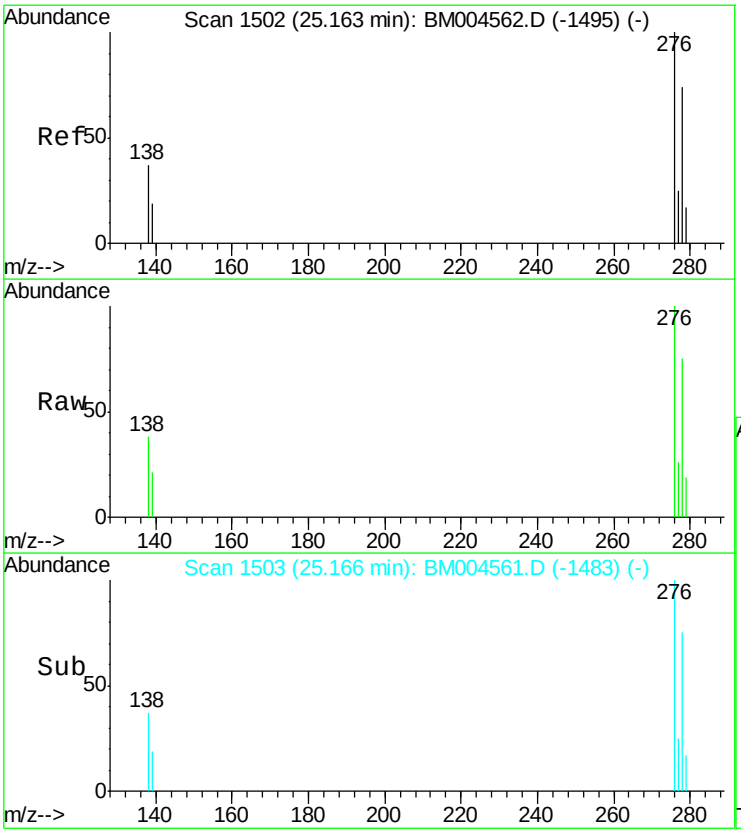
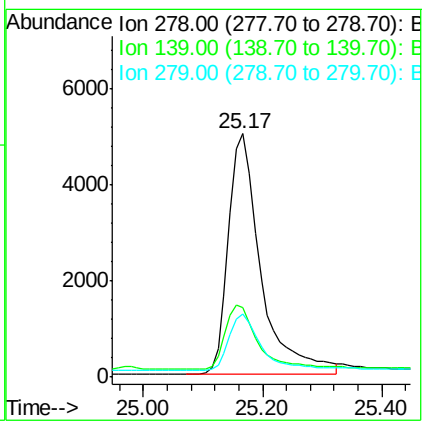
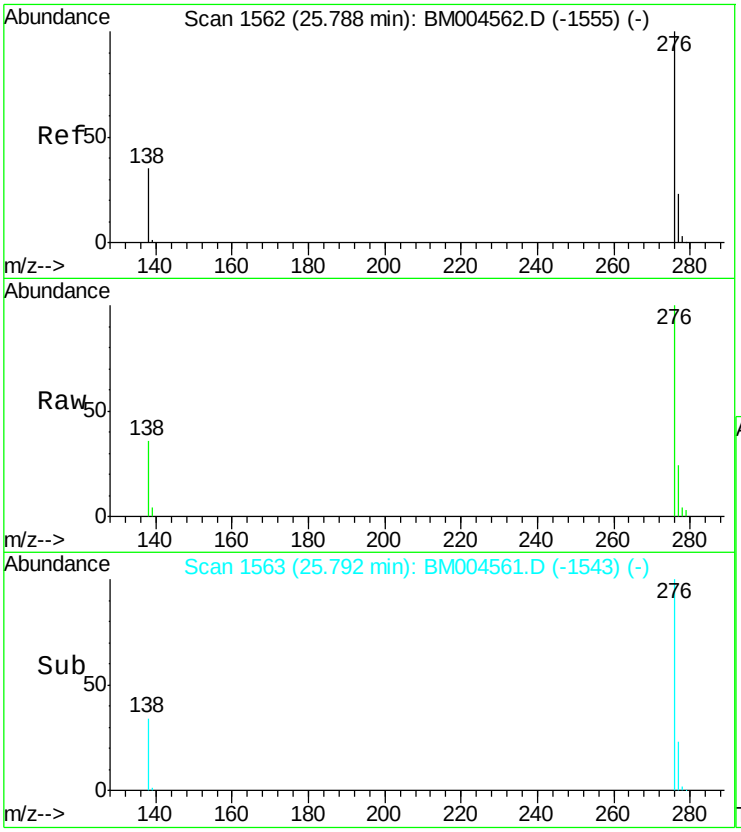


#36
Dibenzo(a,h)anthracene
Concen: 0.72 ng
RT: 25.17 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:278 Resp: 18829

Ion	Ratio	Lower	Upper
278	100		
139	28.6	21.7	32.5
279	25.8	20.2	30.4

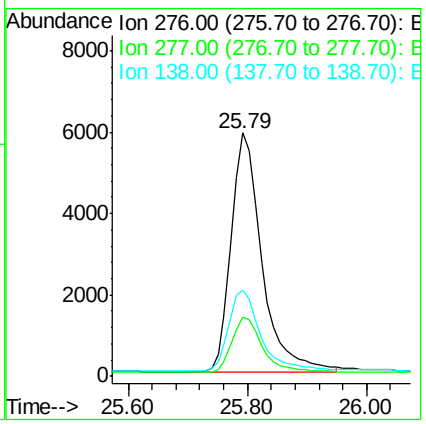




#37
Benzo(g,h,i)perylene
Concen: 0.71 ng
RT: 25.79 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BM004561.D
Acq: 05 Mar 2016 18:08

Tgt Ion:276 Resp: 21004

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	35.6	29.3	43.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
UMANGI
3/7/2016 12:36:40 PM