Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
Data File : BM004465.D
Acq On : 29 Feb 2016 01:09
Operator : SJ/UM
Sample : PB88423BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB88423BSD

Manual Integrations APPROVED
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Quant Time: Feb 29 06:51:46 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 05:57:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	13253	5.00	ng		0.00
7) Naphthalene-d8	10.38	136	48058	5.00	ng		0.00
12) Acenaphthene-d10	14.25	164	32603	5.00	ng		0.00
15) Phenanthrene-d10	17.03	188	36886	5.00	ng		0.00
19) Chrysene-d12	21.24	240	54456	5.00	ng		0.00
28) Perylene-d12	23.46	264	44185	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	19230	6.60	ng		0.00
5) Phenol-d6	6.80	99	25819	7.81	ng		-0.03
8) Nitrobenzene-d5	8.76	82	10415	3.92	ng		-0.02
13) 2,4,6-Tribromophenol	15.78	330	10841	6.54	ng		0.00
14) 2-Fluorobiphenyl	12.89	172	34603	3.48	ng		0.00
22) Terphenyl-d14	19.67	244	28317	4.08	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	4008	3.60	ng		95
3) n-Nitrosodimethylamine	3.43	42	3255	3.31	ng	#	99
6) bis(2-Chloroethyl)ether	7.04	93	8658	3.29	ng	#	97
9) Nitrobenzene	8.81	77	10206	3.46	ng	#	100
10) Hexachlorobutadiene	10.74	225	6241	3.18	ng		100
11) 2-Methylnaphthalene	12.07	142	25267	3.45	ng		95
16) Hexachlorobenzene	16.35	284	6941	3.98	ng	#	100
17) Pentachlorophenol	16.69	266	6335	6.56	ng	#	72
18) Fluoranthene	19.10	202	64229	4.40	ng		100
20) Benzidine	19.29	184	44730	8.96	ng	#	77
21) Pyrene	19.46	202	65652	4.05	ng		99
23) Benzo(a)anthracene	21.22	228	68170m	4.38	ng		
24) 3,3'-Dichlorobenzidine	21.17	252	22196	4.16	ng	#	86
25) Chrysene	21.26	228	58720m	4.63	ng		
26) Bis(2-ethylhexyl)phthalate	21.12	149	30268	3.80	ng	#	37
27) Indeno(1,2,3-cd)pyrene	25.69	276	56555	3.99	ng		99
29) Benzo(b)fluoranthene	22.79	252	61526	3.69	ng		96
30) Benzo(k)fluoranthene	22.83	252	52876	3.68	ng		96
31) Benzo(a)pyrene	23.36	252	51996	4.01	ng		95
32) Dibenzo(a,h)anthracene	25.70	278	44748	3.87	ng		95
33) Benzo(g,h,i)perylene	26.38	276	48428	3.81	ng		98

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

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Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Manual Integrations APPROVED
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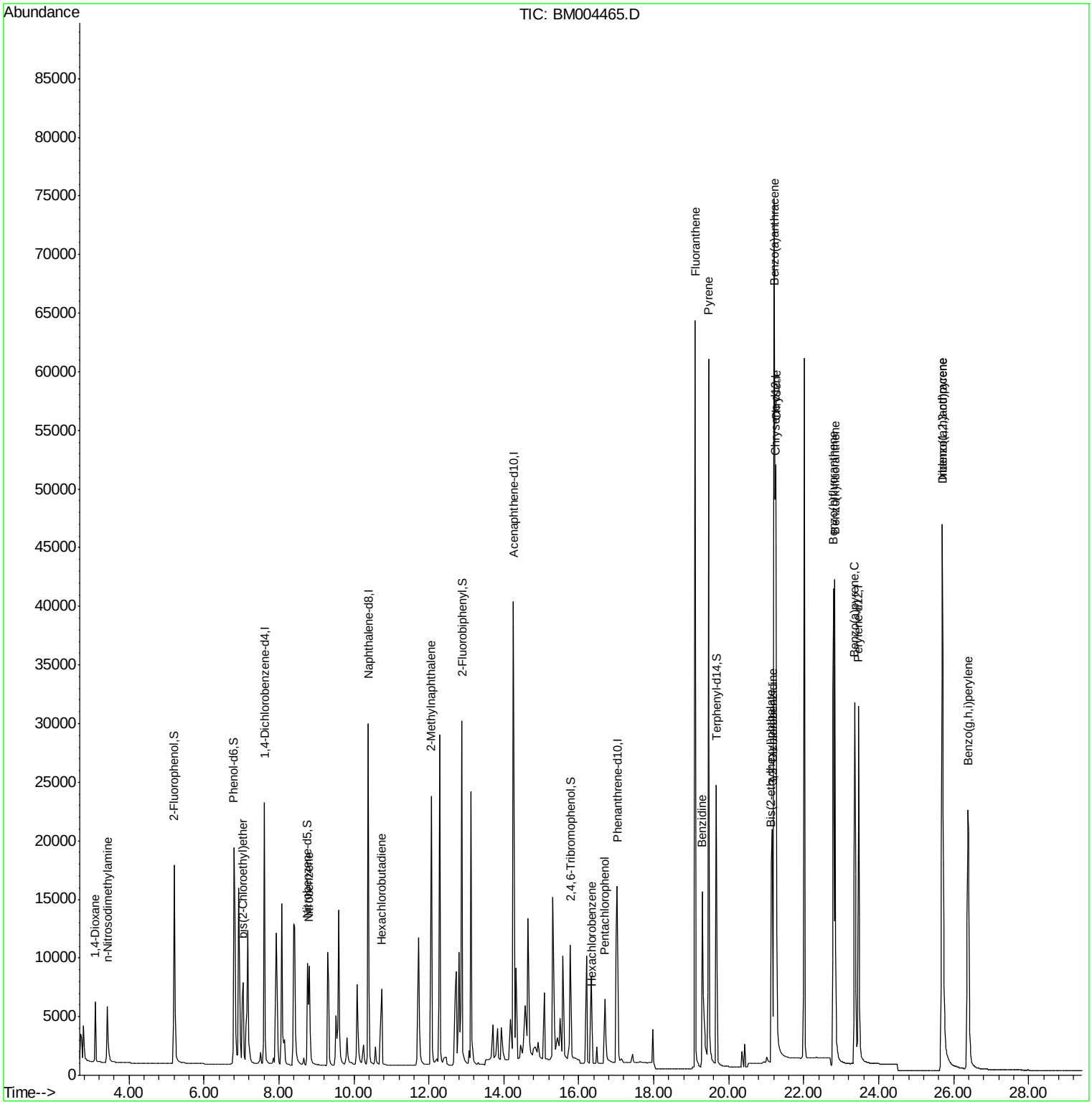
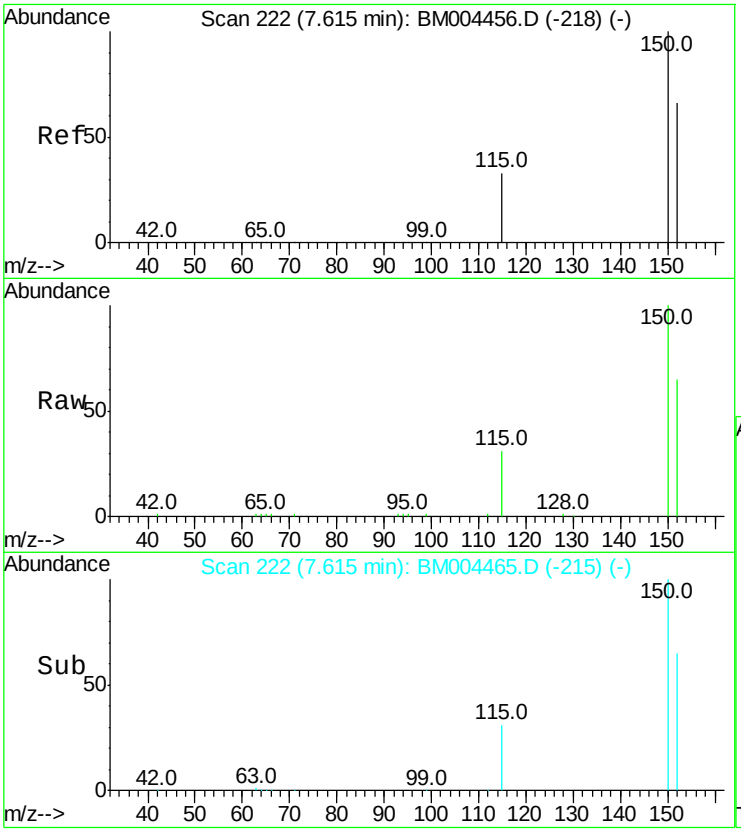
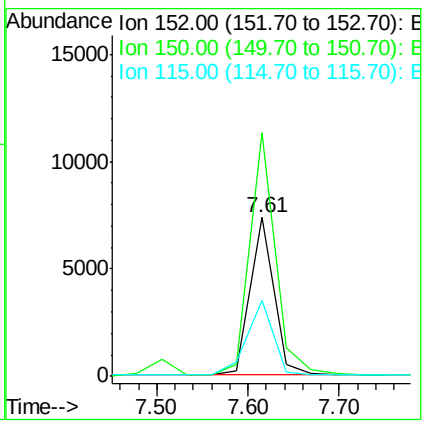




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 222
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:152 Resp: 13253

Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.9	185.9
115	47.6	40.6	61.0



Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Manual Integrations APPROVED
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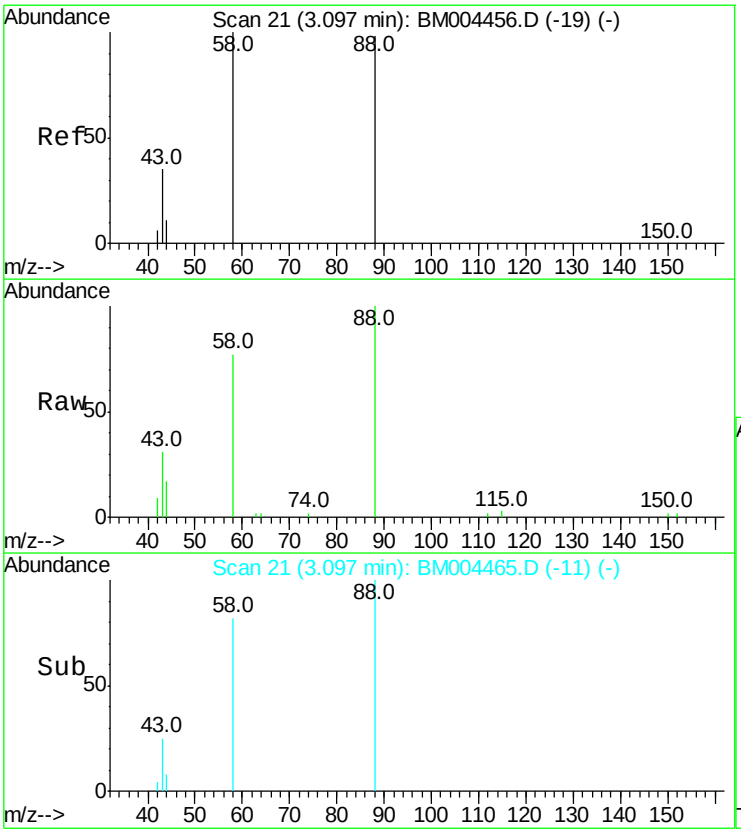
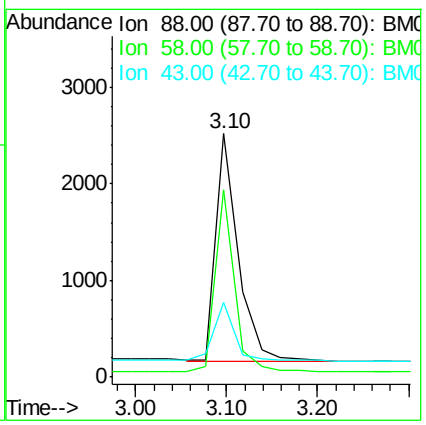
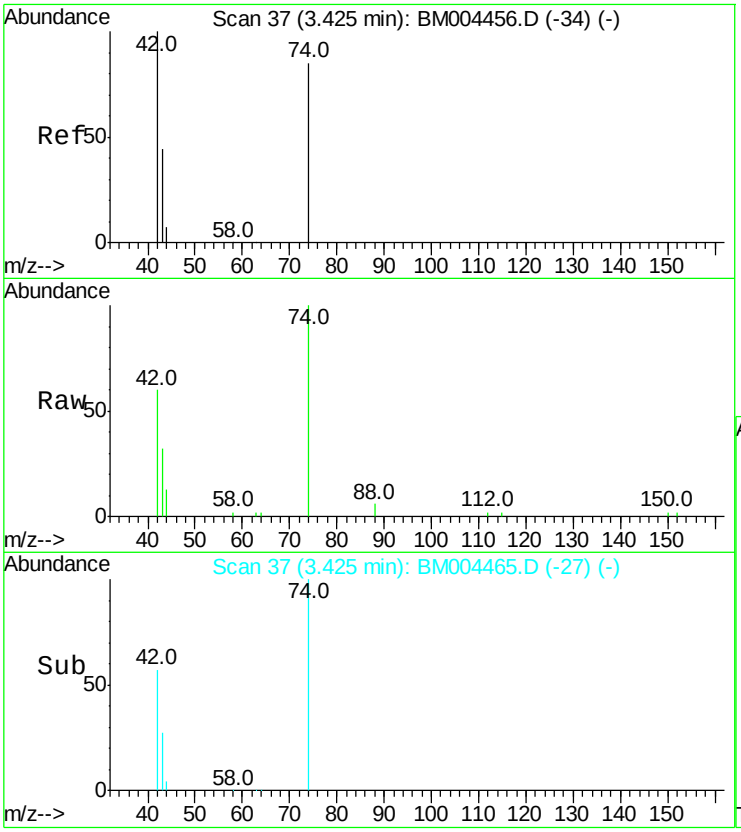


#2
1,4-Dioxane
Concen: 3.60 ng
RT: 3.10 min Scan# 21
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion: 88 Resp: 4008

Ion	Ratio	Lower	Upper
88	100		
58	69.0	58.5	87.7
43	24.3	22.2	33.2





#3
n-Nitrosodimethylamine
Concen: 3.31 ng
RT: 3.43 min Scan# 37
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion: 42 Resp: 3255

Ion	Ratio	Lower	Upper
42	100		
74	169.2	0.0	0.0#
44	6.9	5.8	8.6

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Manual Integrations APPROVED
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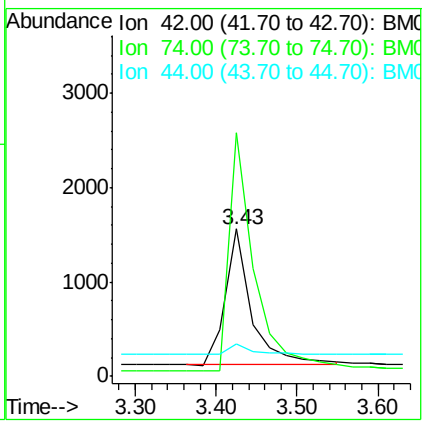
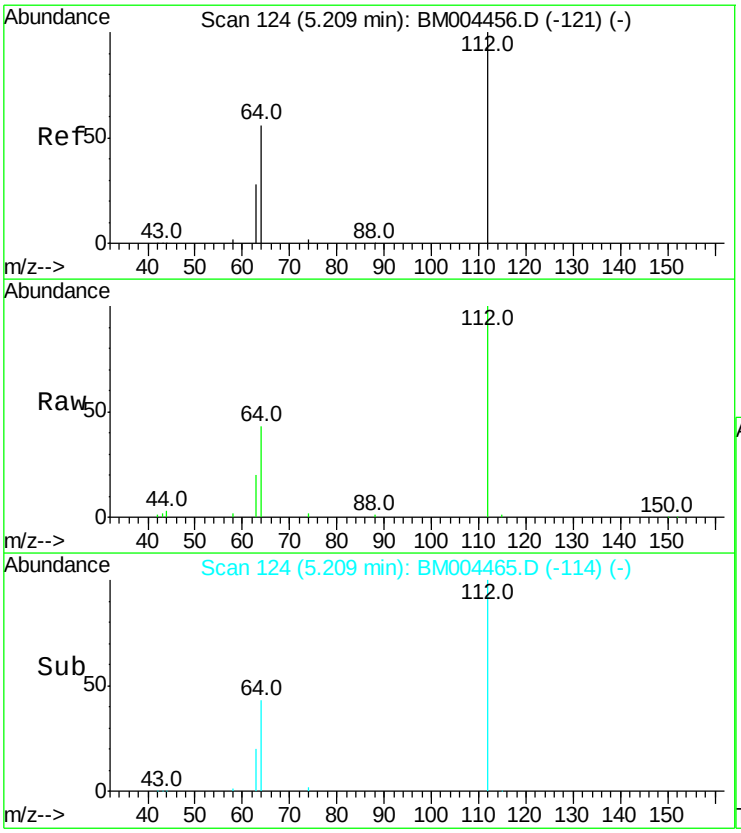
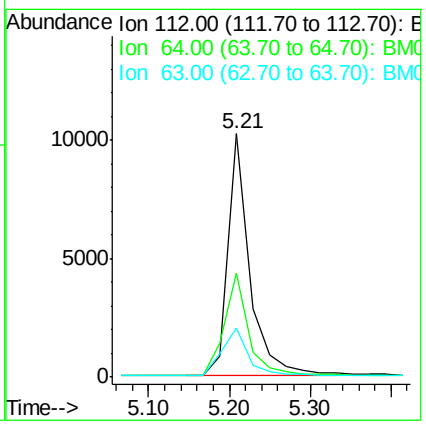


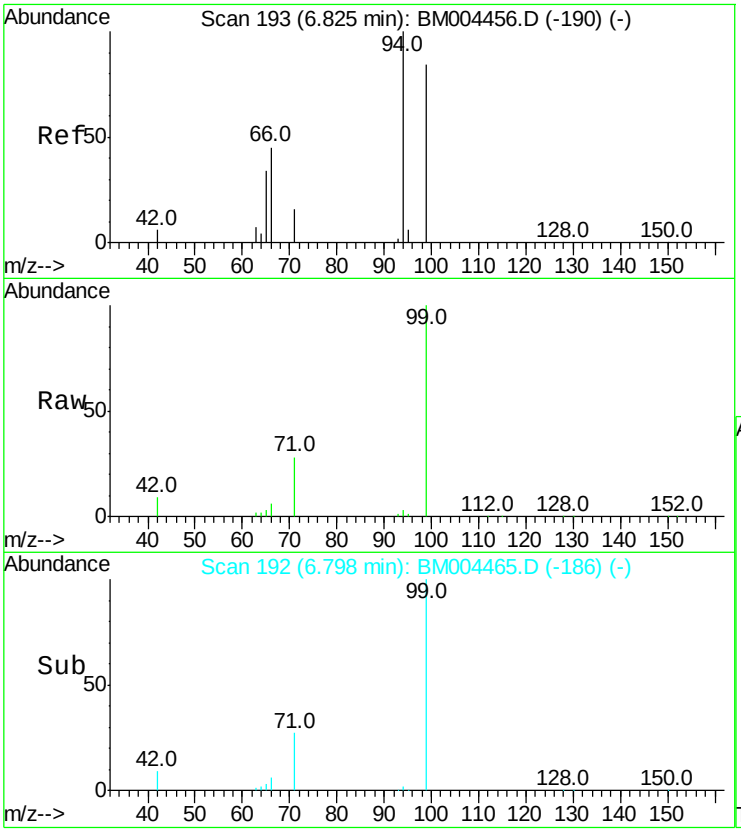


#4
2-Fluorophenol
Concen: 6.60 ng
RT: 5.21 min Scan# 124
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:112 Resp: 19230

Ion	Ratio	Lower	Upper
112	100		
64	47.4	39.4	59.2
63	23.8	19.9	29.9





#5
Phenol-d6
Concen: 7.81 ng
RT: 6.80 min Scan# 192
Delta R.T. -0.03 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion: 99 Resp: 25819

Ion	Ratio	Lower	Upper
99	100		
42	12.6	0.0	0.0#
71	26.9	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

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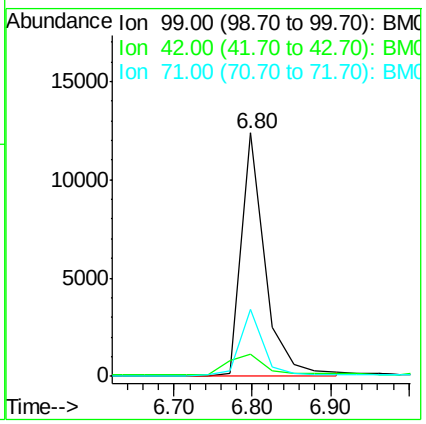
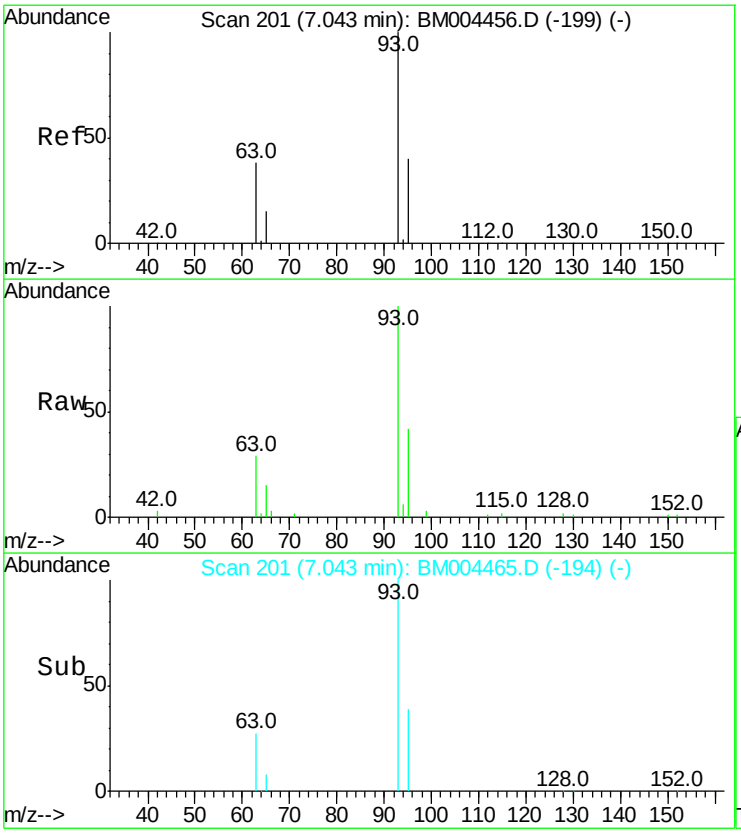
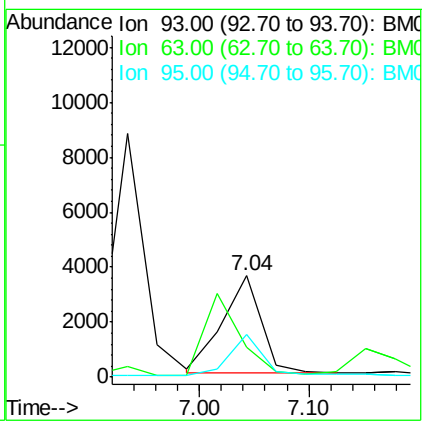


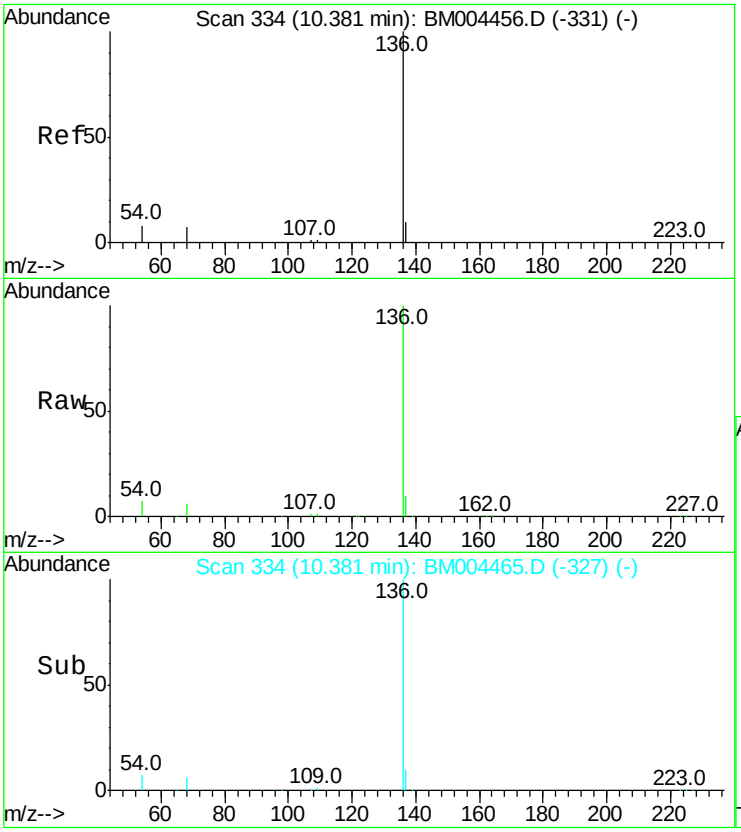


#6
bis(2-Chloroethyl)ether
Concen: 3.29 ng
RT: 7.04 min Scan# 201
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion: 93 Resp: 8658

Ion	Ratio	Lower	Upper
93	100		
63	0.0	0.0	0.0
95	35.6	27.1	40.7

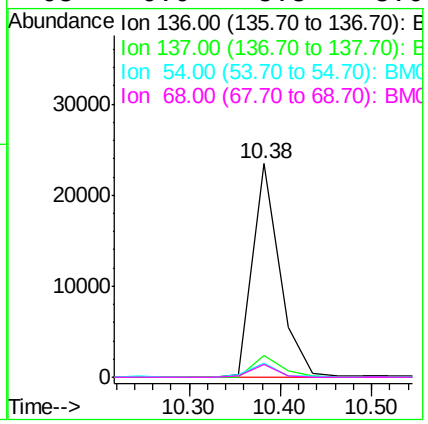




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.38 min Scan# 334
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:136 Resp: 48058

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.0	12.0
54	6.8	7.0	10.6#
68	6.0	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
PB88423BSD

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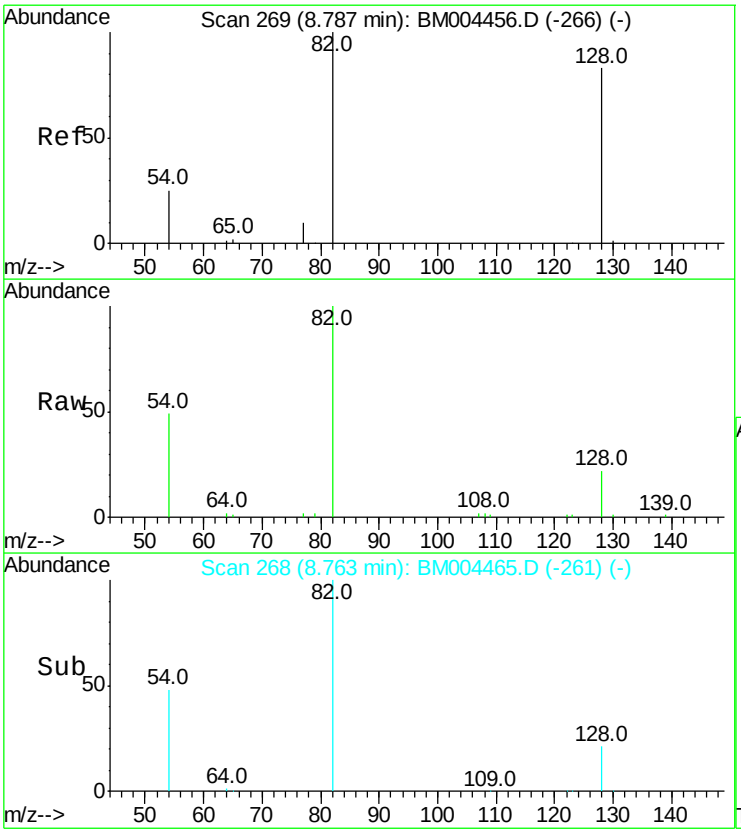
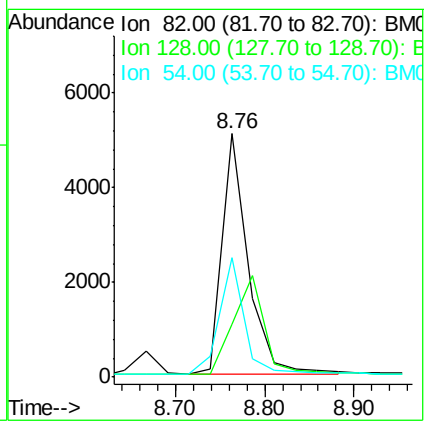
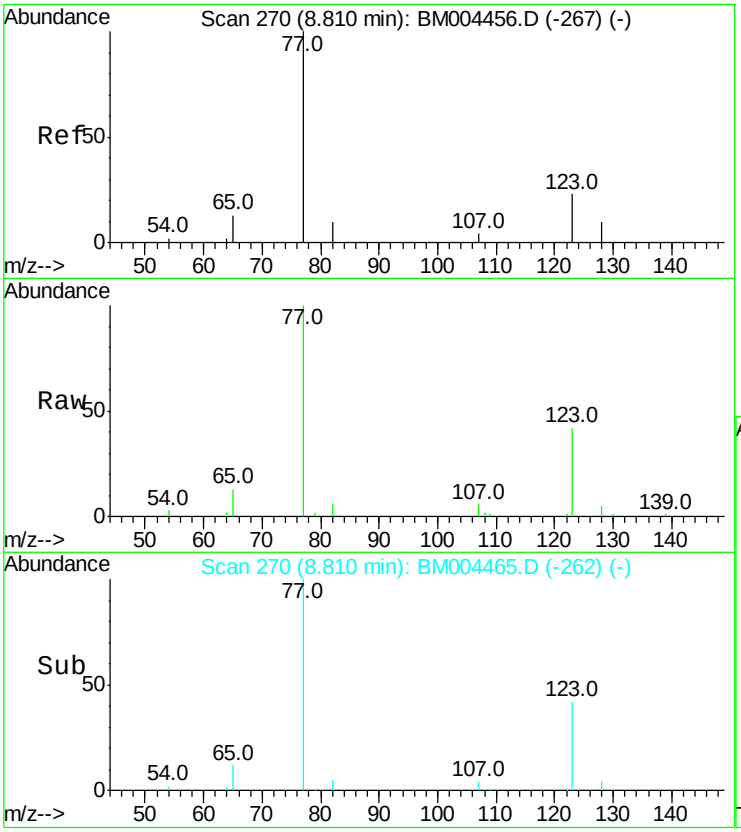


#8
Nitrobenzene-d5
Concen: 3.92 ng
RT: 8.76 min Scan# 268
Delta R.T. -0.02 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion: 82 Resp: 10415

Ion	Ratio	Lower	Upper
82	100		
128	21.5	67.0	100.6#
54	49.1	25.2	37.8#

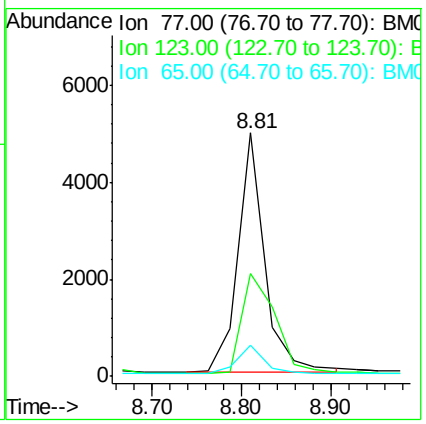




#9
Nitrobenzene
Concen: 3.46 ng
RT: 8.81 min Scan# 270
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion: 77 Resp: 10206

Ion	Ratio	Lower	Upper
77	100		
123	53.4	0.0	0.0#
65	12.5	10.1	15.1



Instrument :
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ClientSampleId :
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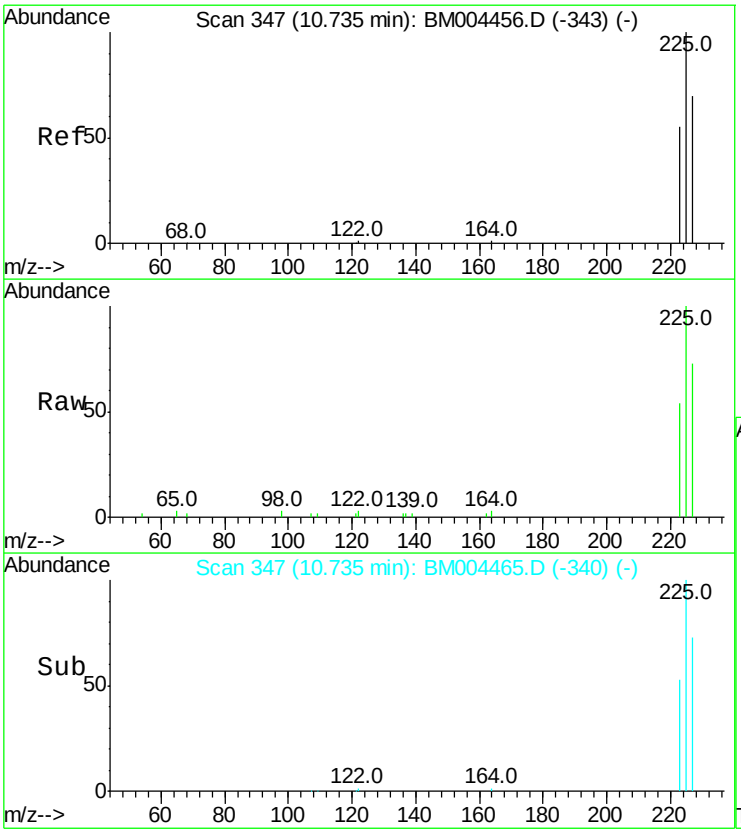
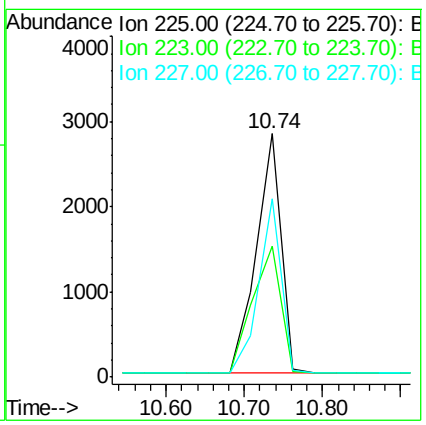
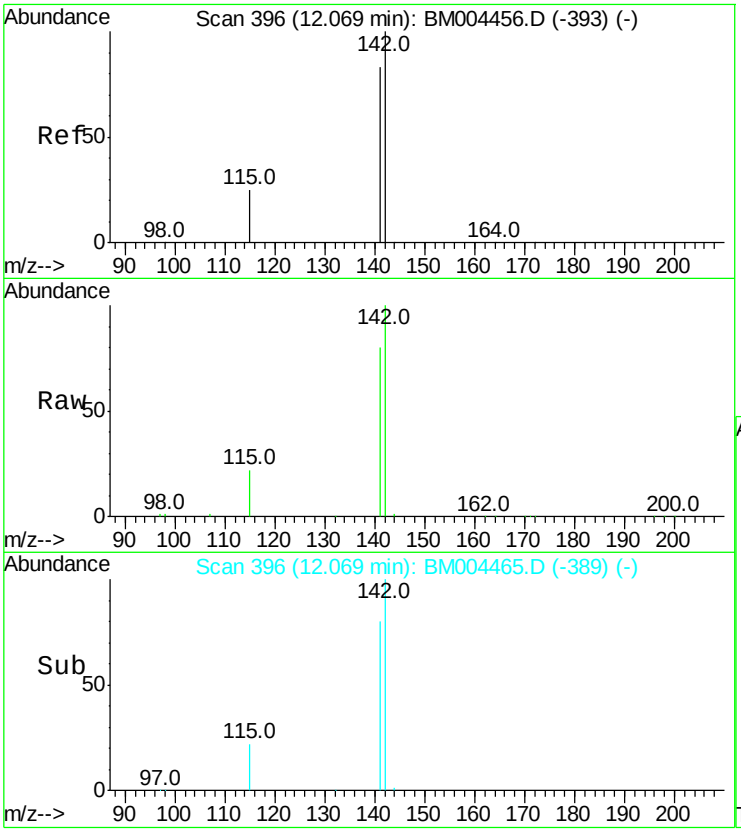


#10
Hexachlorobutadiene
Concen: 3.18 ng
RT: 10.74 min Scan# 347
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:225 Resp: 6241

Ion	Ratio	Lower	Upper
225	100		
223	60.7	48.4	72.6
227	66.3	52.8	79.2

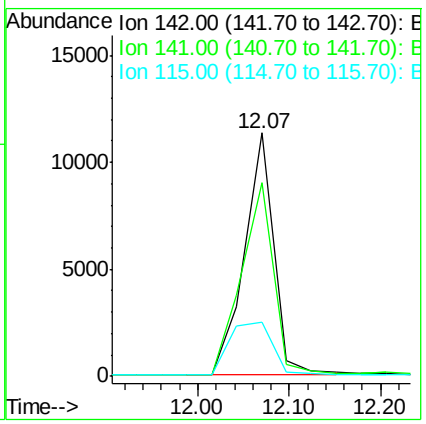




#11
2-Methylnaphthalene
Concen: 3.45 ng
RT: 12.07 min Scan# 396
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:142 Resp: 25267

Ion	Ratio	Lower	Upper
142	100		
141	79.6	66.4	99.6
115	22.3	21.6	32.4



Instrument :
BNA_M
ClientSampleId :
PB88423BSD

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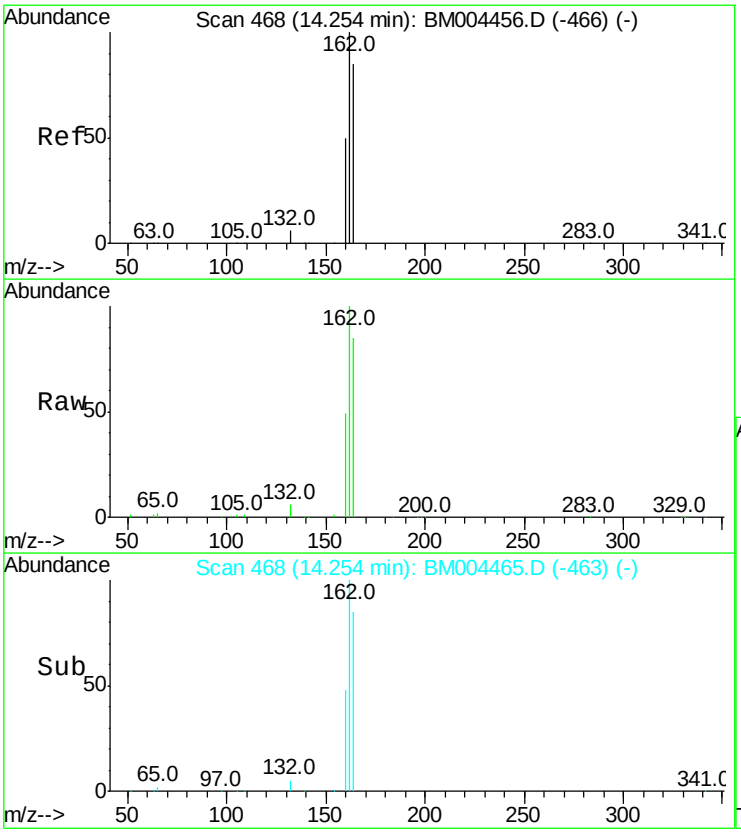
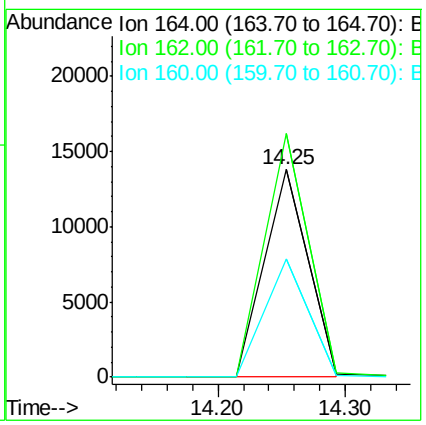
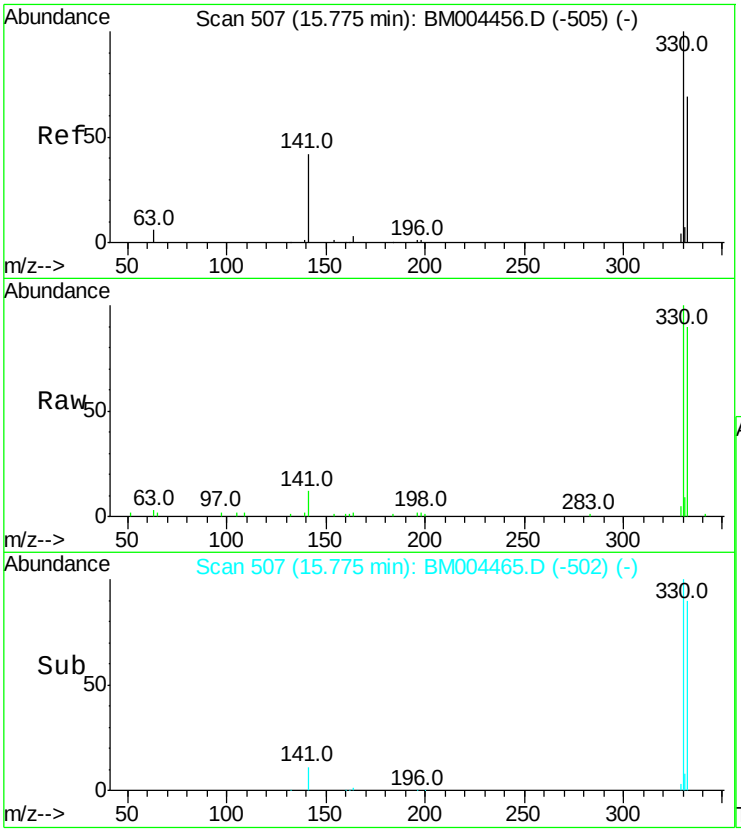


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.25 min Scan# 468
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:164 Resp: 32603

Ion	Ratio	Lower	Upper
164	100		
162	117.2	94.6	141.8
160	57.0	47.0	70.4

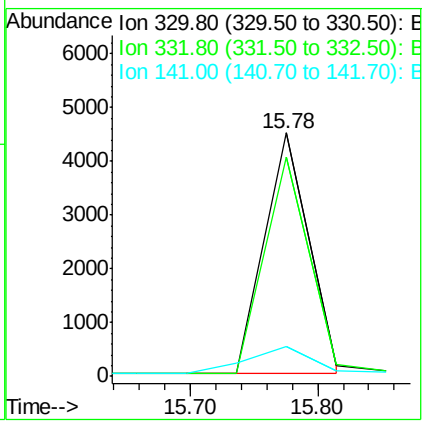




#13
2,4,6-Tribromophenol
Concen: 6.54 ng
RT: 15.78 min Scan# 507
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:330 Resp: 10841

Ion	Ratio	Lower	Upper
330	100		
332	90.8	59.2	88.8#
141	15.9	33.0	49.4#



Instrument :
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ClientSampleId :
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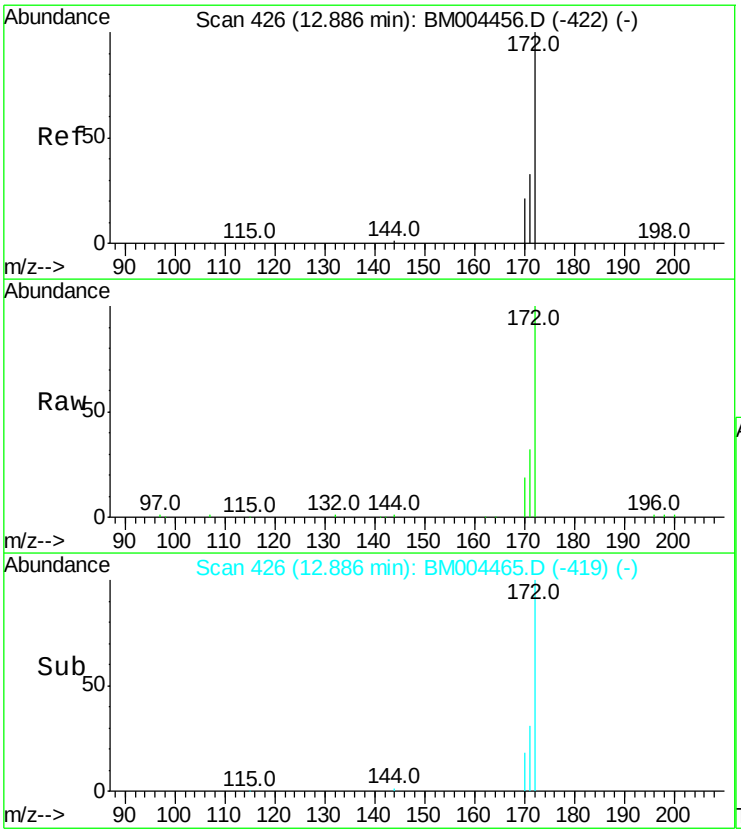
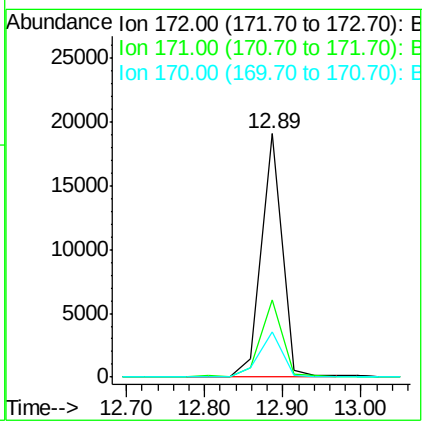
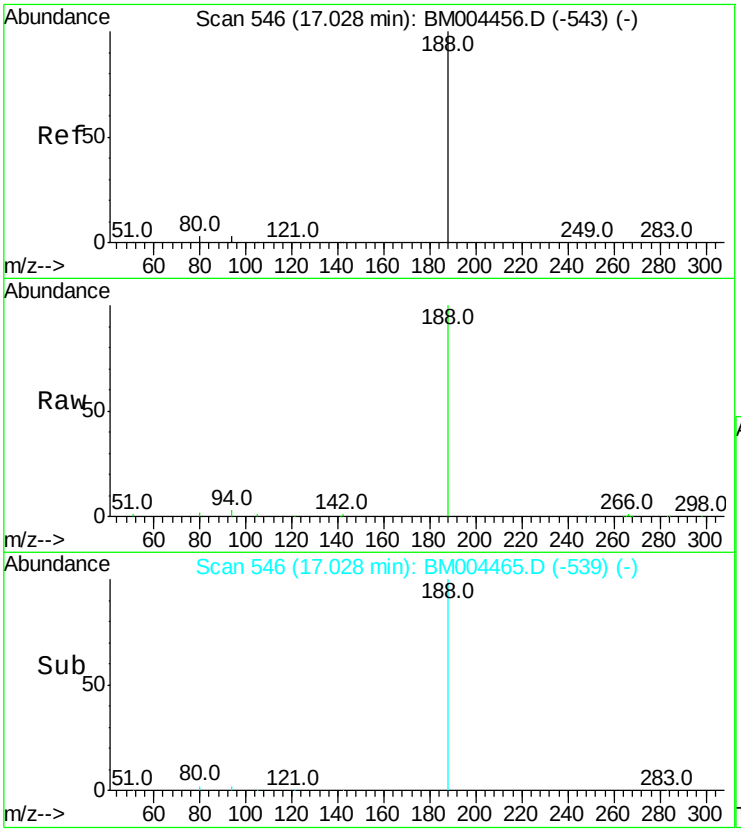


#14
2-Fluorobiphenyl
Concen: 3.48 ng
RT: 12.89 min Scan# 426
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:172 Resp: 34603

Ion	Ratio	Lower	Upper
172	100		
171	31.6	27.2	40.8
170	18.7	17.4	26.0

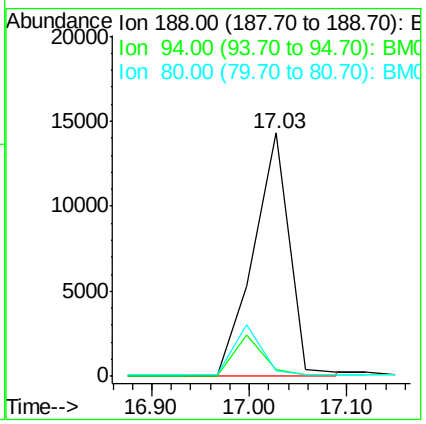




#15
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.03 min Scan# 546
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:188 Resp: 36886

Ion	Ratio	Lower	Upper
188	100		
94	2.9	2.7	4.1
80	2.5	2.2	3.4



Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Manual Integrations APPROVED
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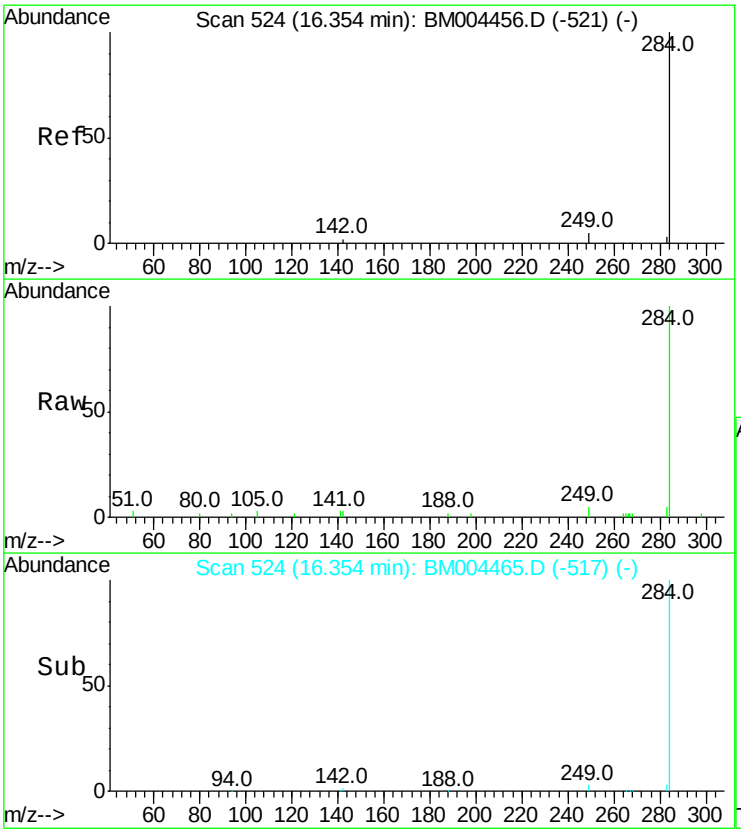
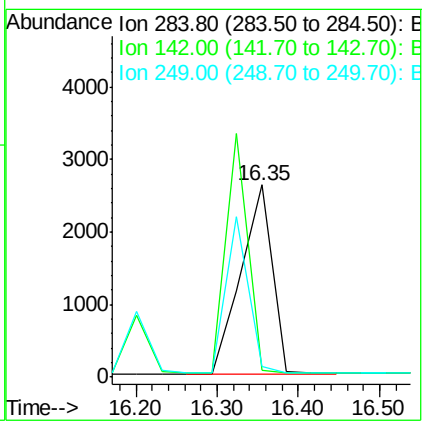
2/29/2016 2:49:26 PM

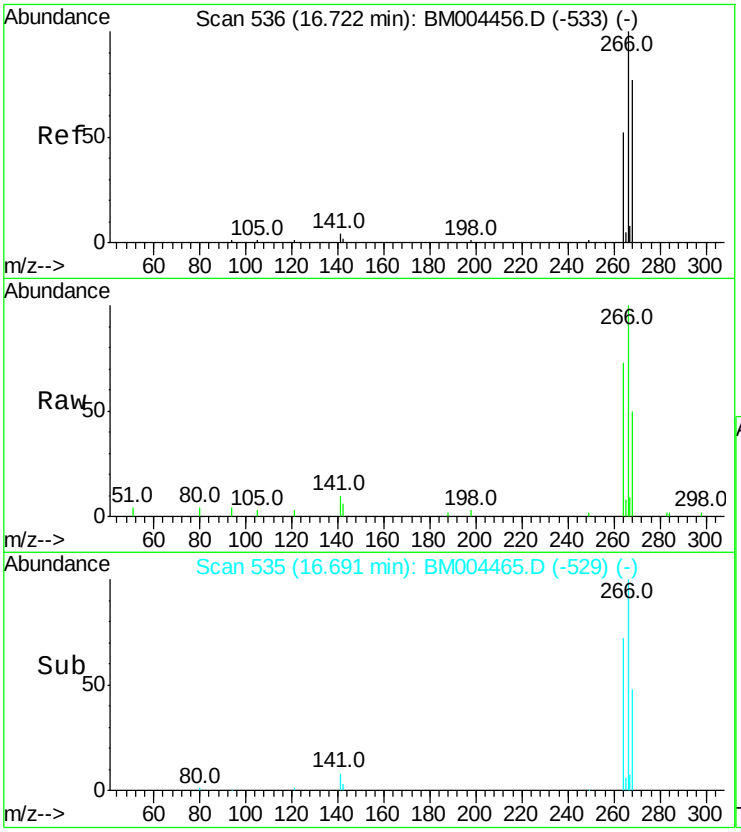


#16
Hexachlorobenzene
Concen: 3.98 ng
RT: 16.35 min Scan# 524
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:284 Resp: 6941

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

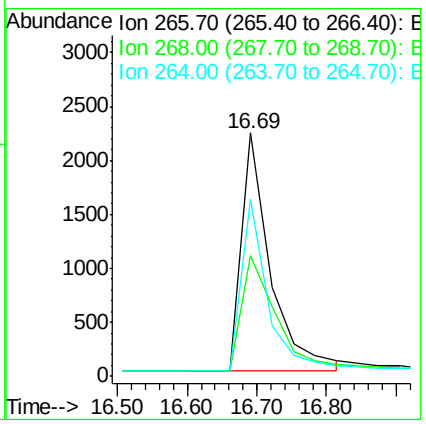




#17
Pentachlorophenol
Concen: 6.56 ng
RT: 16.69 min Scan# 535
Delta R.T. -0.03 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:266 Resp: 6335

Ion	Ratio	Lower	Upper
266	100		
268	49.6	66.8	100.2#
264	72.7	49.4	74.0



Instrument :
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ClientSampleId :
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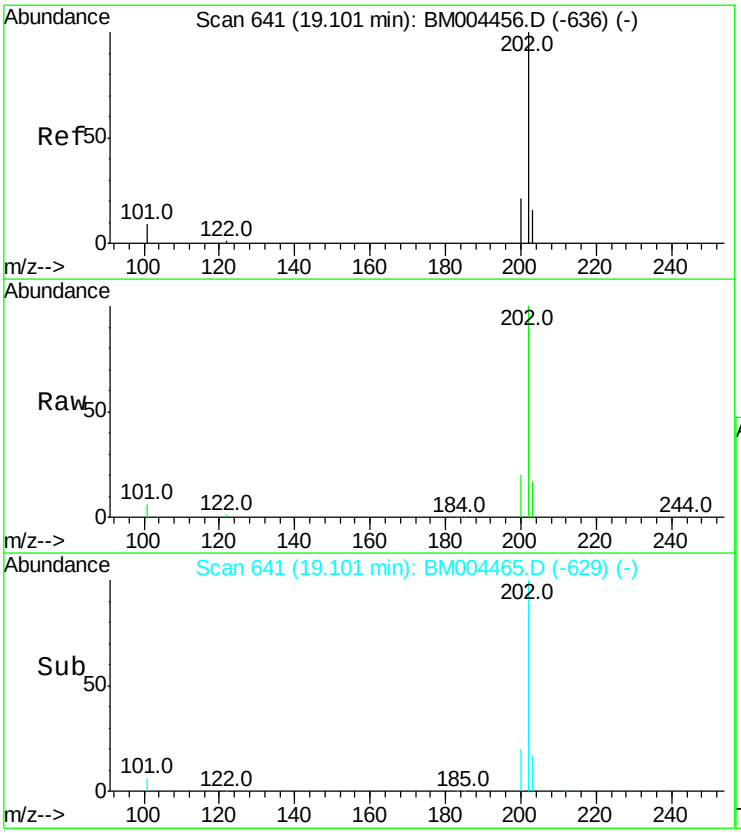
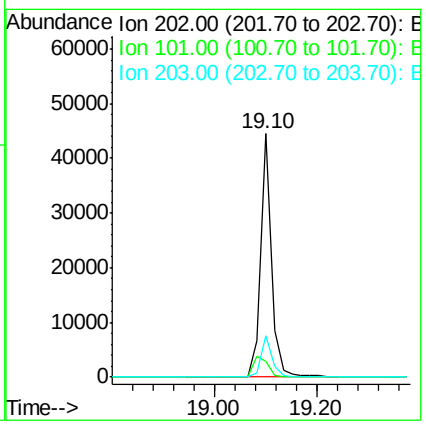
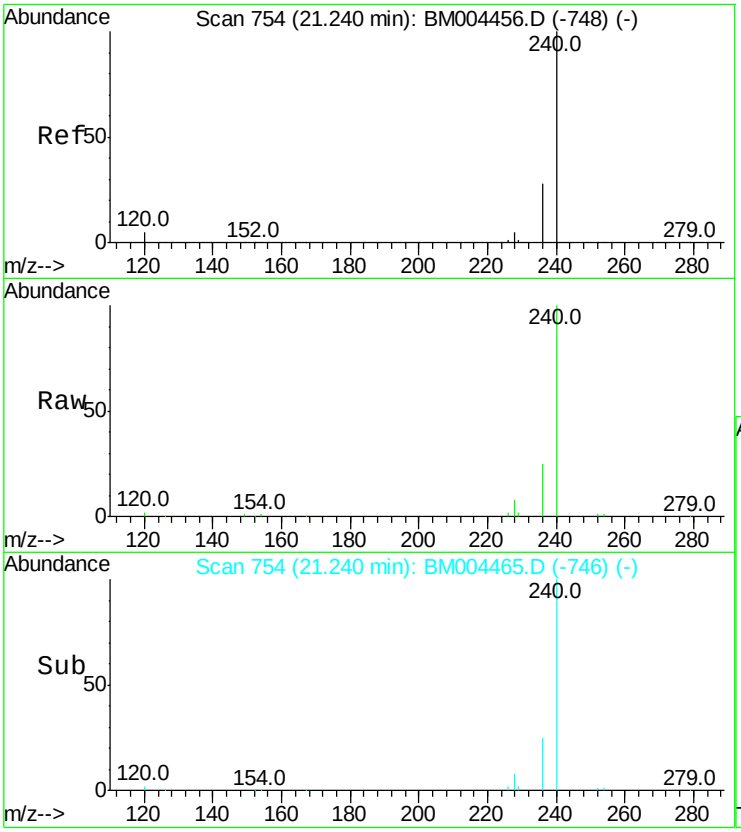


#18
Fluoranthene
Concen: 4.40 ng
RT: 19.10 min Scan# 641
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:202 Resp: 64229

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.4	14.0
203	17.5	13.9	20.9

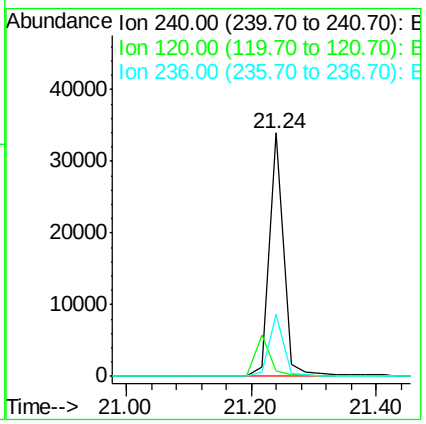




#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.24 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:240 Resp: 54456

Ion	Ratio	Lower	Upper
240	100		
120	2.2	4.0	6.0#
236	25.4	22.7	34.1



Instrument :
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ClientSampleId :
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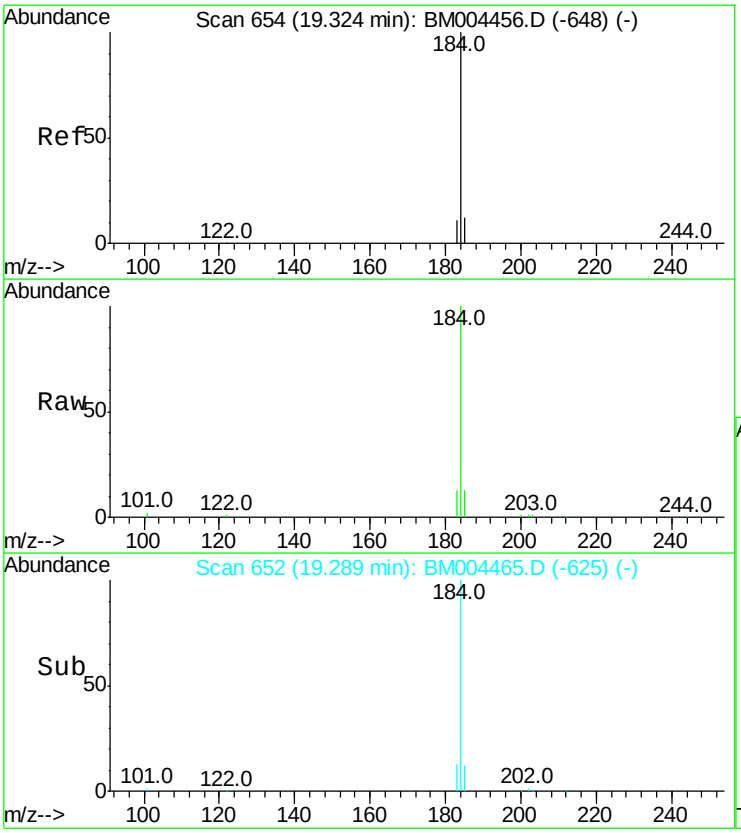
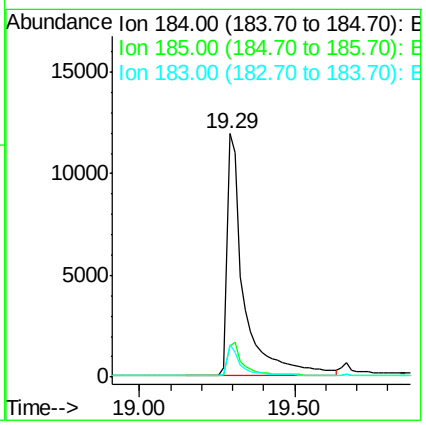
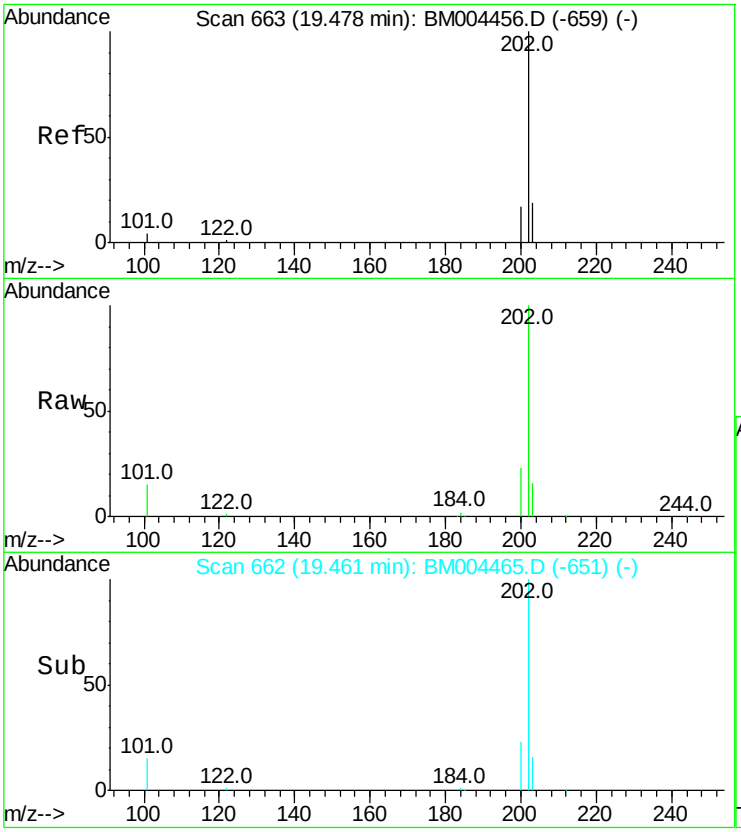


#20
Benzidine
Concen: 8.96 ng
RT: 19.29 min Scan# 652
Delta R.T. -0.03 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:184 Resp: 44730

Ion	Ratio	Lower	Upper
184	100		
185	12.8	20.8	31.2#
183	13.2	18.5	27.7#

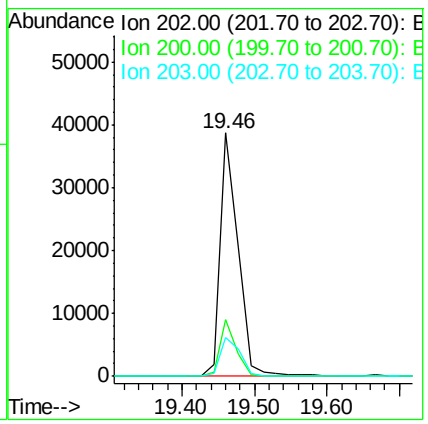




#21
Pyrene
Concen: 4.05 ng
RT: 19.46 min Scan# 662
Delta R.T. -0.02 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:202 Resp: 65652

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	24.8
203	17.8	13.9	20.9



Instrument :
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ClientSampleId :
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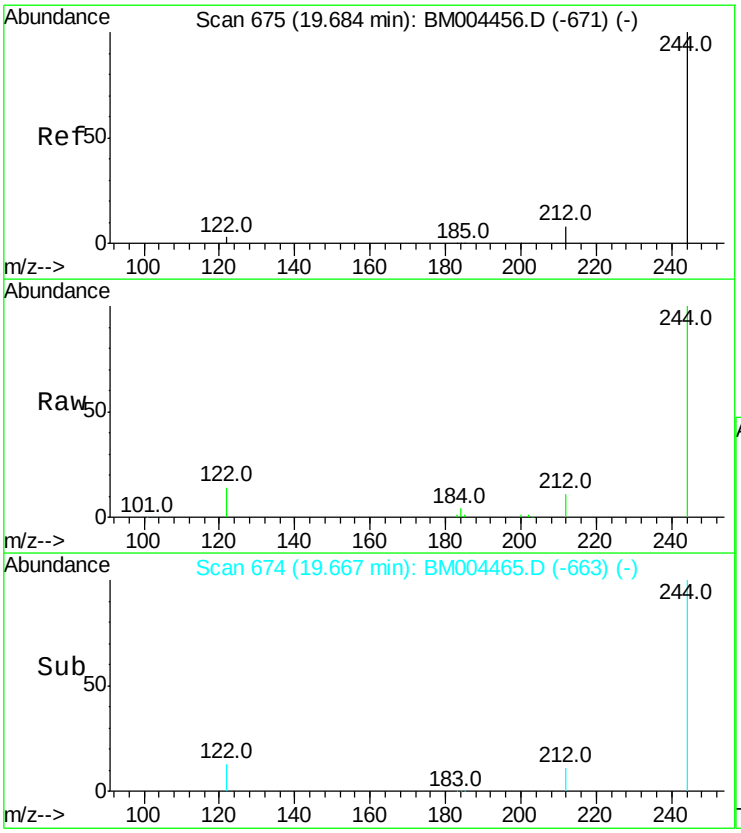
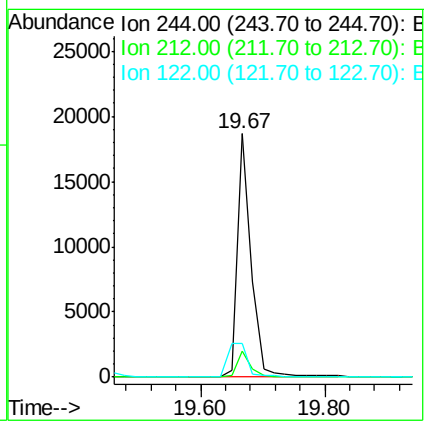
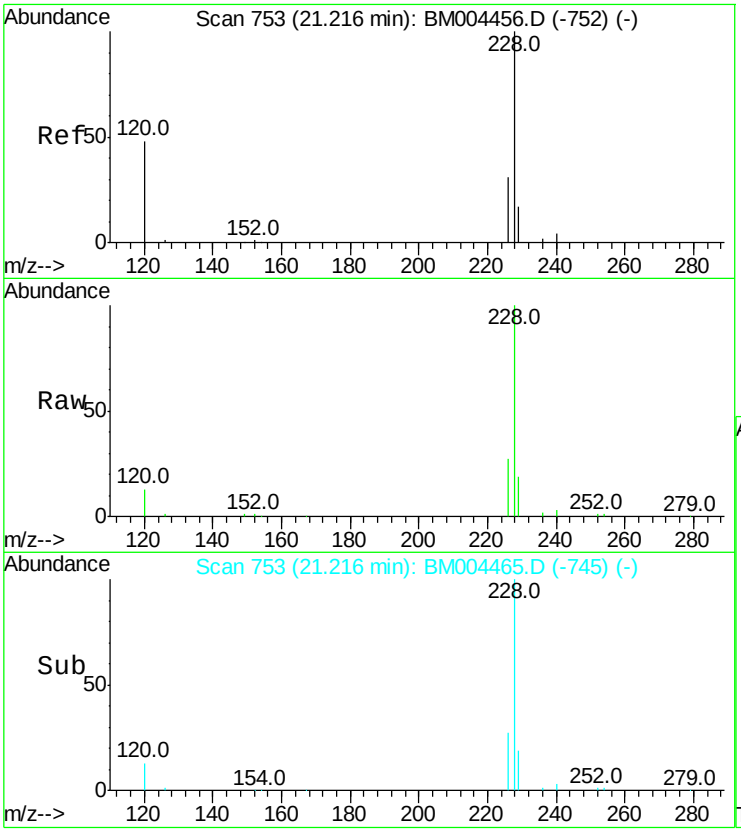


#22
Terphenyl-d14
Concen: 4.08 ng
RT: 19.67 min Scan# 674
Delta R.T. -0.02 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:244 Resp: 28317

Ion	Ratio	Lower	Upper
244	100		
212	10.8	7.4	11.2
122	13.8	4.2	6.2#

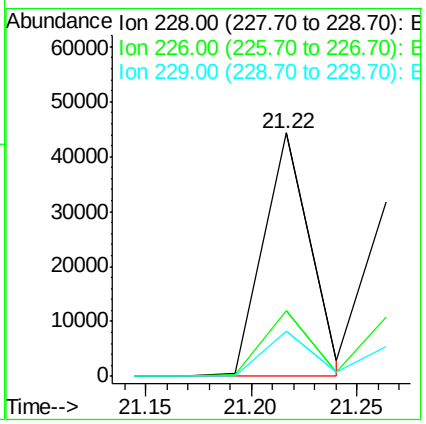




#23
Benzo(a)anthracene
Concen: 4.38 ng m
RT: 21.22 min Scan# 753
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:228 Resp: 68170

Ion	Ratio	Lower	Upper
228	100		
226	26.7	25.1	37.7
229	18.8	14.2	21.4



Instrument :
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ClientSampleId :
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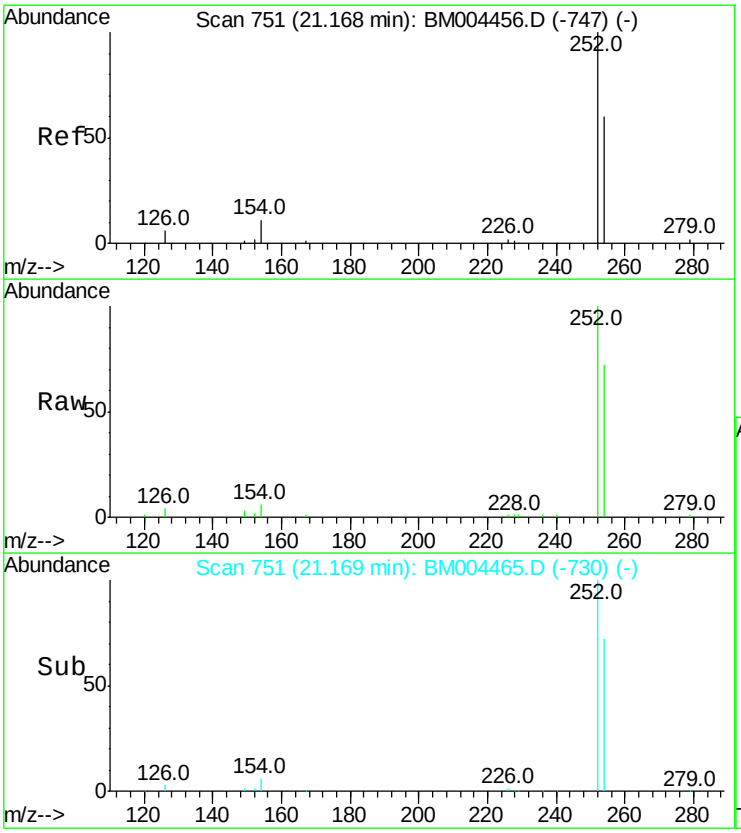
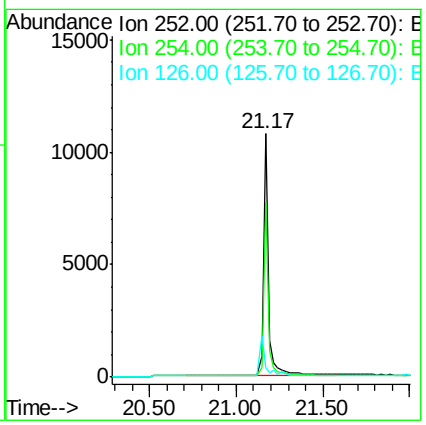
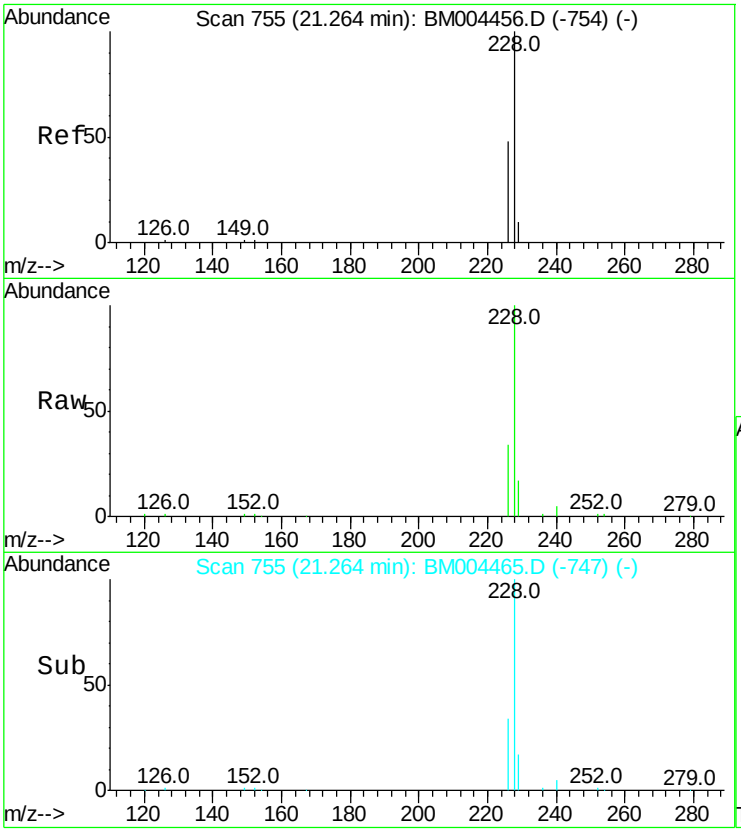


#24
3,3'-Dichlorobenzidine
Concen: 4.16 ng
RT: 21.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:252 Resp: 22196

Ion	Ratio	Lower	Upper
252	100		
254	71.6	48.7	73.1
126	3.9	8.2	12.2#

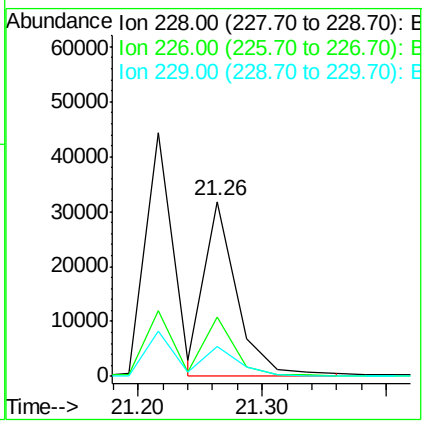




#25
Chrysene
Concen: 4.63 ng m
RT: 21.26 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:228 Resp: 58720

Ion	Ratio	Lower	Upper
228	100		
226	33.9	31.0	46.6
229	16.9	13.4	20.2



Instrument :
BNA_M
ClientSampleId :
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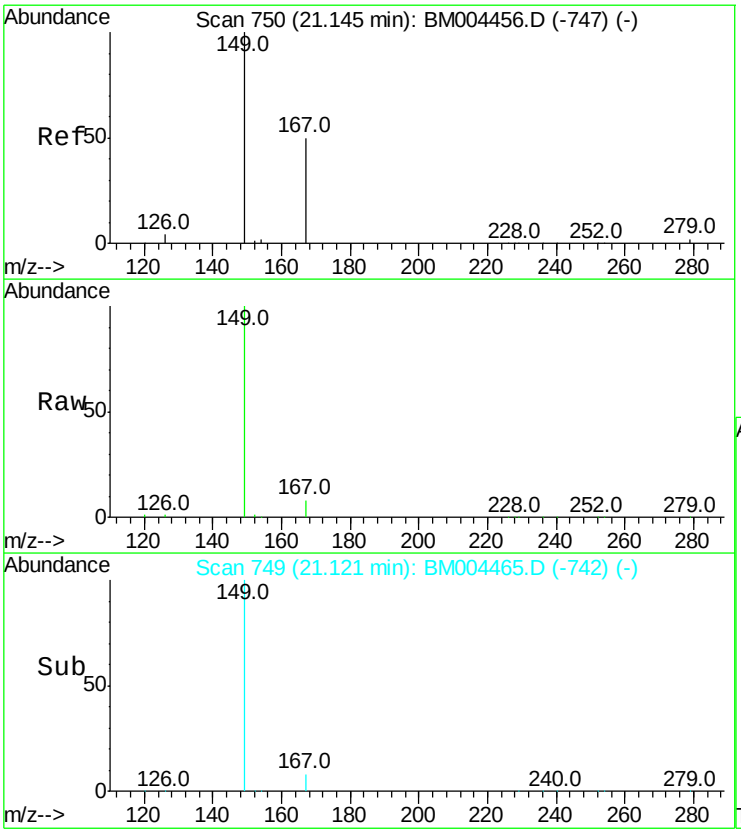
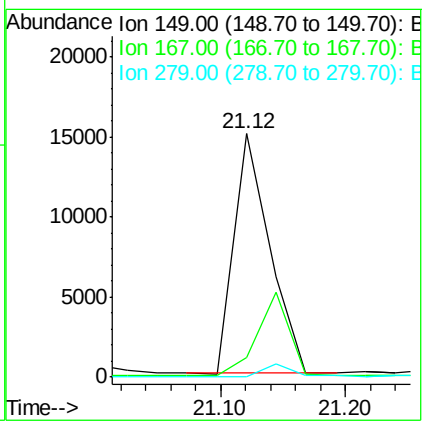
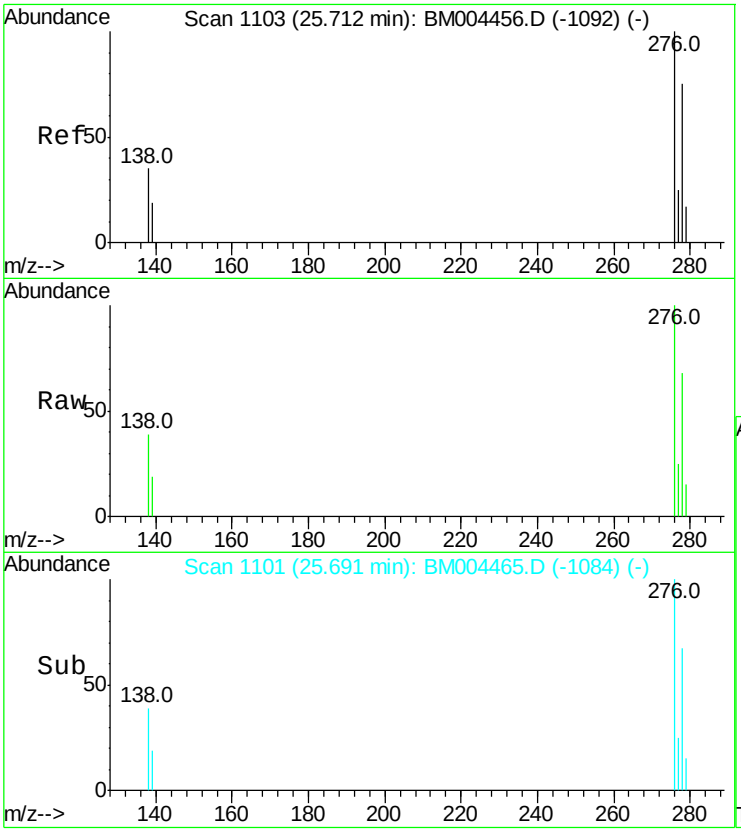


#26
Bis(2-ethylhexyl)phthalate
Concen: 3.80 ng
RT: 21.12 min Scan# 749
Delta R.T. -0.02 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:149 Resp: 30268

Ion	Ratio	Lower	Upper
149	100		
167	0.0	33.1	49.7#
279	0.0	2.0	3.0#

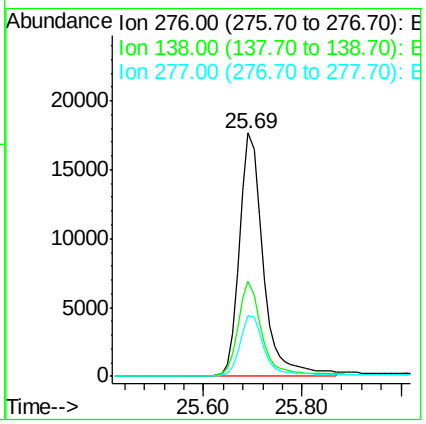




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.99 ng
RT: 25.69 min Scan# 1101
Delta R.T. -0.02 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:276 Resp: 56555

Ion	Ratio	Lower	Upper
276	100		
138	38.2	30.0	45.0
277	24.9	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
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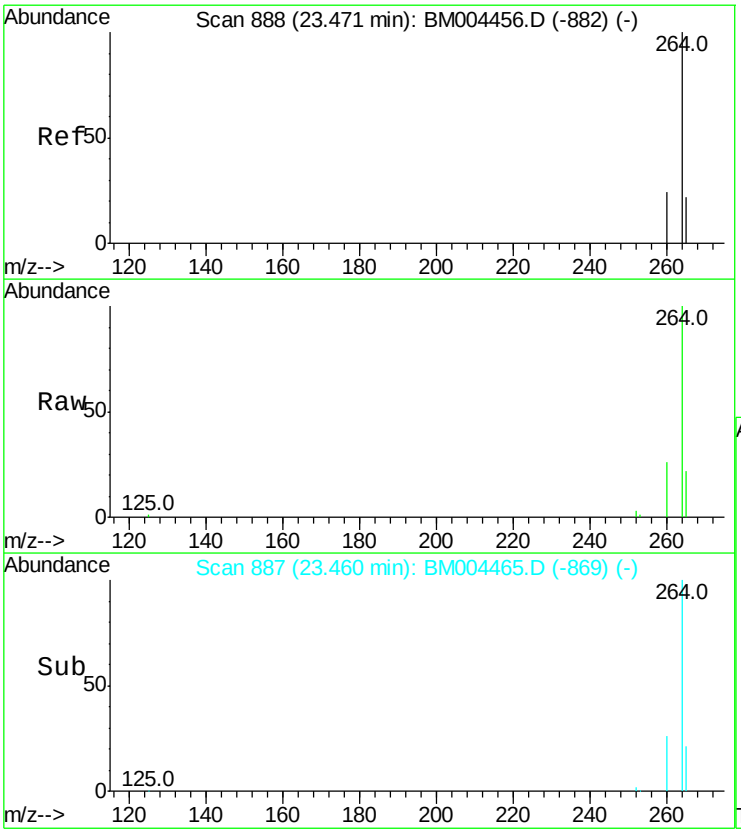
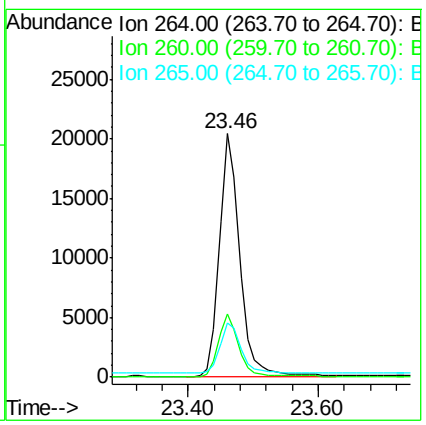
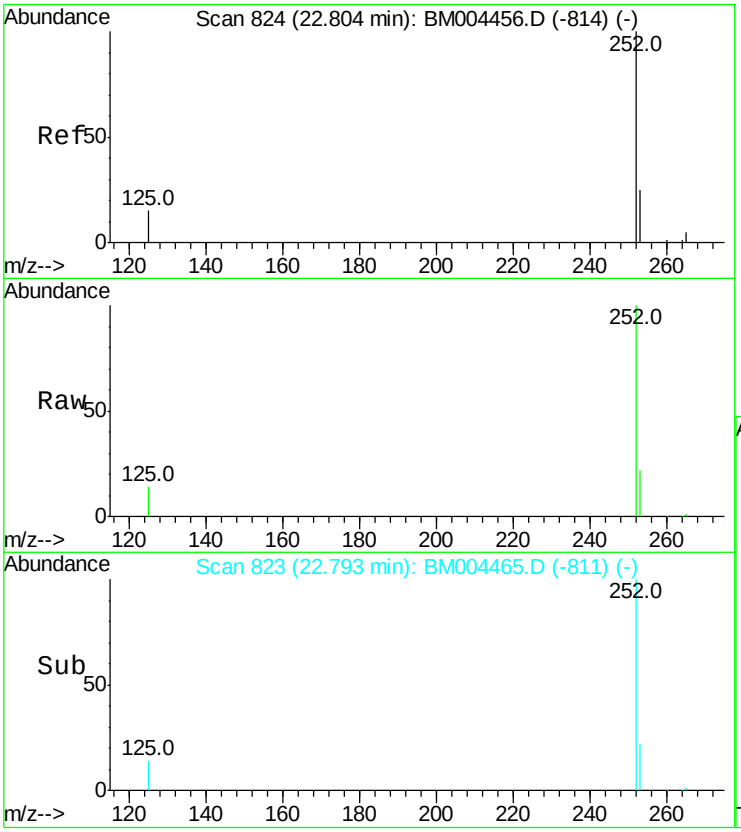


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 887
Delta R.T. -0.01 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:264 Resp: 44185

Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.4	29.2
265	22.3	18.9	28.3

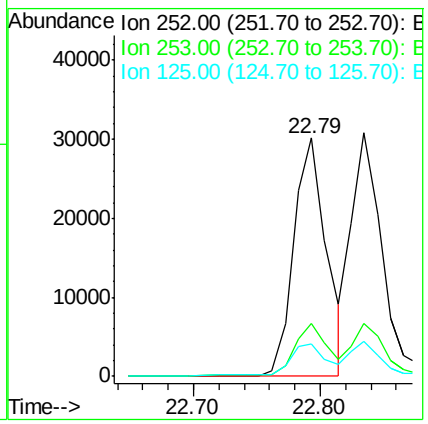




#29
Benzo(b)fluoranthene
Concen: 3.69 ng
RT: 22.79 min Scan# 823
Delta R.T. -0.01 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:252 Resp: 61526

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.8	29.6
125	13.8	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
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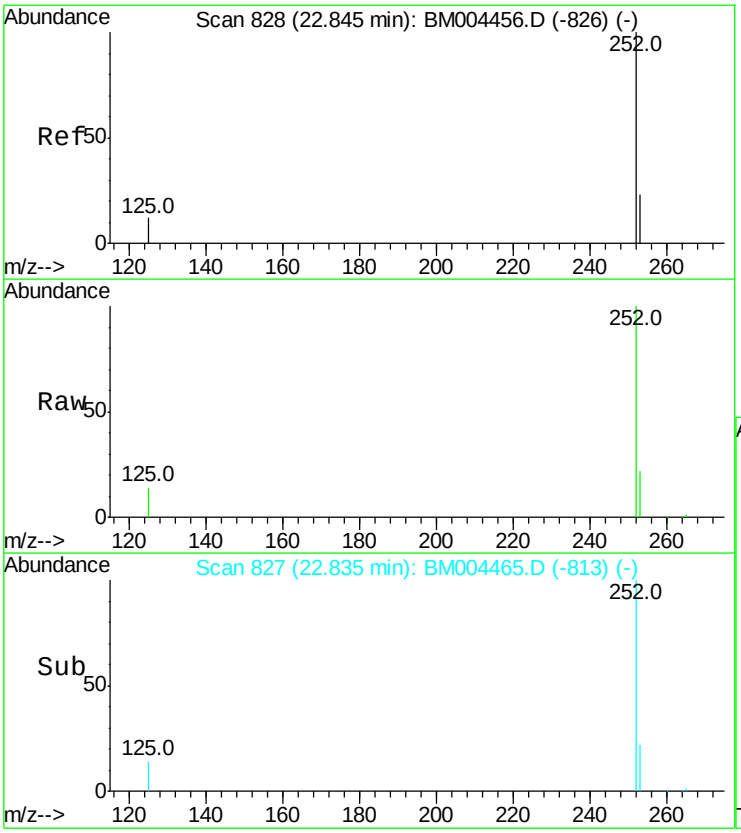
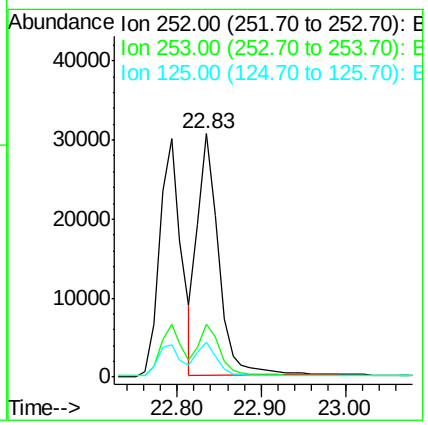
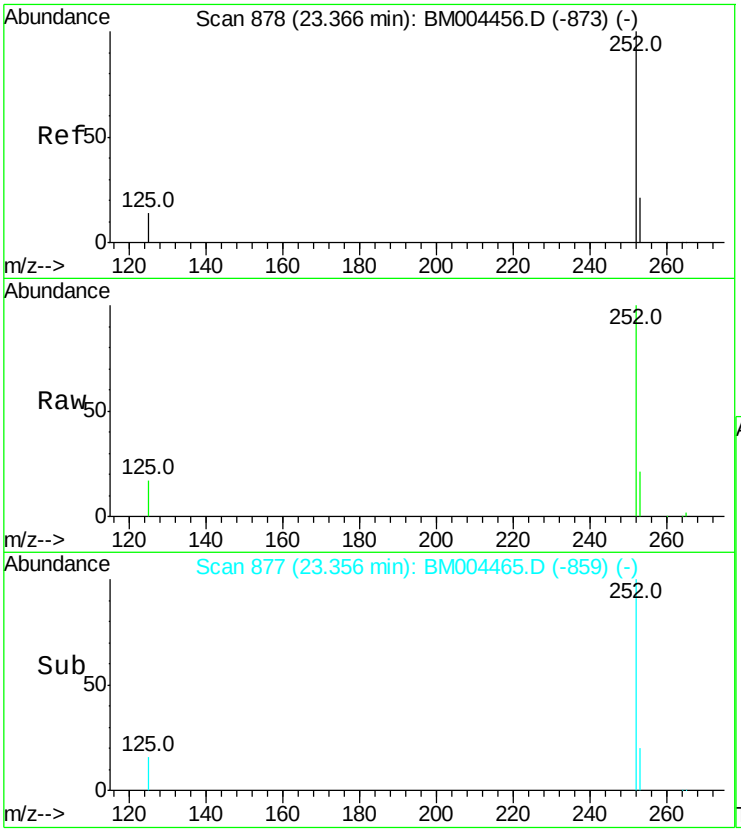


#30
Benzo(k)fluoranthene
Concen: 3.68 ng
RT: 22.83 min Scan# 827
Delta R.T. -0.01 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:252 Resp: 52876

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.3	28.9
125	14.2	12.4	18.6

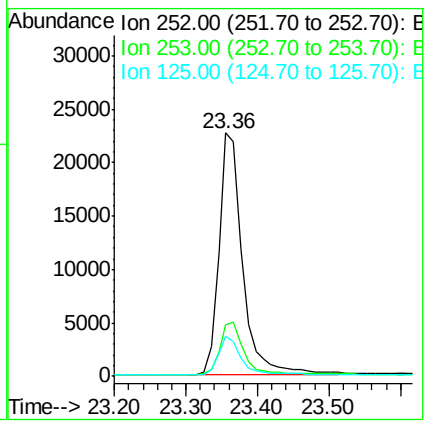




#31
Benzo(a)pyrene
Concen: 4.01 ng
RT: 23.36 min Scan# 877
Delta R.T. -0.01 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:252 Resp: 51996

Ion	Ratio	Lower	Upper
252	100		
253	21.1	19.3	28.9
125	16.6	14.4	21.6



Instrument :
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ClientSampleId :
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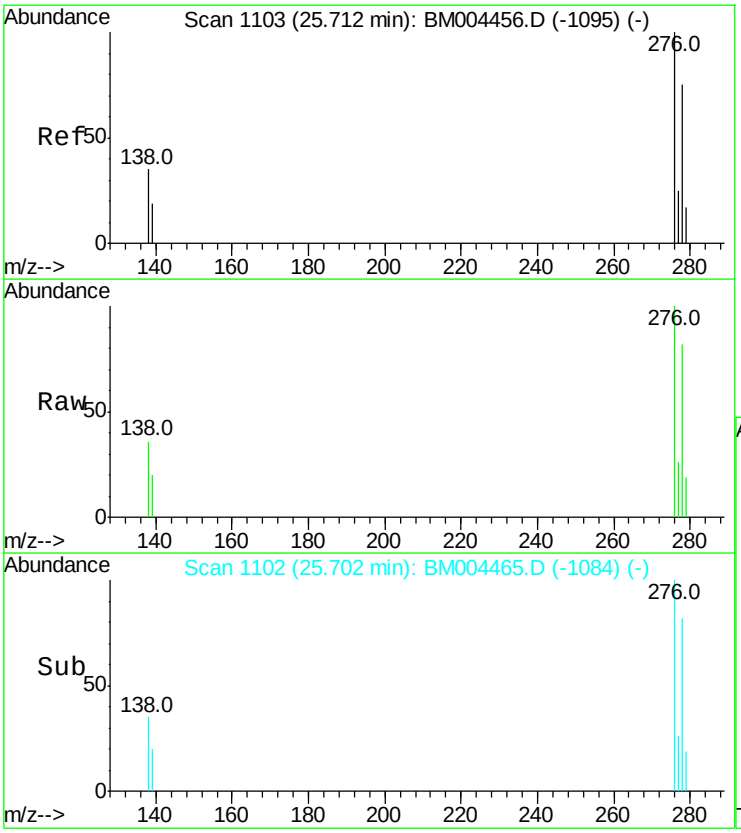
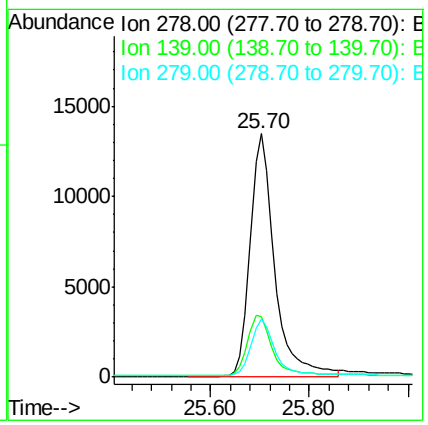
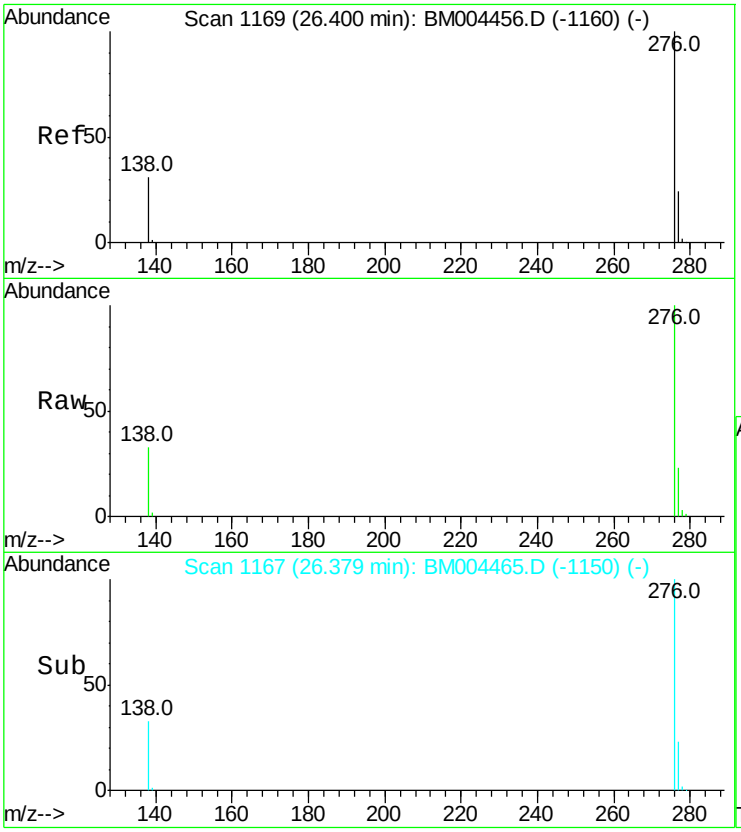


#32
Dibenzo(a,h)anthracene
Concen: 3.87 ng
RT: 25.70 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:278 Resp: 44748

Ion	Ratio	Lower	Upper
278	100		
139	24.8	22.3	33.5
279	23.7	20.7	31.1

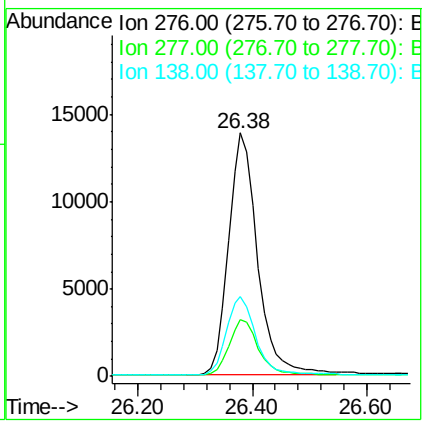




#33
Benzo(g,h,i)perylene
Concen: 3.81 ng
RT: 26.38 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:276 Resp: 48428

Ion	Ratio	Lower	Upper
276	100		
277	23.3	20.4	30.6
138	33.0	26.4	39.6



Instrument :
BNA_M
ClientSampleId :
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