Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030816\
Data File : BM004579.D
Acq On : 08 Mar 2016 16:32
Operator : SJ/UM
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ICVBM030816

Manual Integrations APPROVED
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3/9/2016 5:54:47 PM

Quant Time: Mar 08 18:24:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM030816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 08 18:22:06 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	38395	5.00	ng		-0.02
6) Naphthalene-d8	10.05	136	144292	5.00	ng		-0.02
10) Acenaphthene-d10	13.97	164	83900	5.00	ng		0.00
16) Phenanthrene-d10	16.73	188	224115	5.00	ng		0.00
22) Chrysene-d12	20.98	240	194080	5.00	ng		0.00
28) Perylene-d12	23.09	264	162768	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	2645	0.39	ng		-0.03
5) Phenol-d6	6.66	99	3202	0.41	ng		-0.02
7) Nitrobenzene-d5	8.50	82	2543	0.41	ng		-0.01
11) 2,4,6-Tribromophenol	15.53	330	890	0.46	ng		0.00
12) 2-Fluorobiphenyl	12.59	172	10355	0.43	ng		-0.01
24) Terphenyl-d14	19.41	244	9576	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.87	88	1615	0.41	ng		97
3) n-Nitrosodimethylamine	3.20	42	1212	0.42	ng	#	95
8) Naphthalene	10.10	128	16711	0.42	ng		99
9) 2-Methylnaphthalene	11.77	142	10455	0.42	ng		99
13) Acenaphthylene	13.68	152	19121	0.43	ng		99
14) Acenaphthene	14.04	154	12259	0.40	ng	#	76
15) Fluorene	15.04	166	15178	0.43	ng	#	92
17) Hexachlorobenzene	16.07	284	4941	0.32	ng	#	66
18) Pentachlorophenol	16.50	266	178	0.21	ng	#	82
19) Phenanthrene	16.78	178	24113	0.34	ng		99
20) Anthracene	16.88	178	21550	0.34	ng		96
21) Fluoranthene	18.83	202	28606	0.38	ng		99
23) Pyrene	19.21	202	29512	0.38	ng		100
25) Benzo(a)anthracene	20.96	228	24994m	0.39	ng		
26) Chrysene	21.02	228	28672m	0.42	ng		
27) Indeno(1,2,3-cd)pyrene	25.18	276	20195	0.36	ng		99
29) Benzo(b)fluoranthene	22.48	252	24904m	0.40	ng		
30) Benzo(k)fluoranthene	22.52	252	23597m	0.40	ng		
31) Benzo(a)pyrene	23.00	252	22162	0.42	ng		97
32) Dibenzo(a,h)anthracene	25.18	278	15474	0.37	ng		97
33) Benzo(g,h,i)perylene	25.82	276	17945	0.37	ng		97

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

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Instrument :
BNA_M
ClientSampleId :
ICVBM030816

Manual Integrations APPROVED
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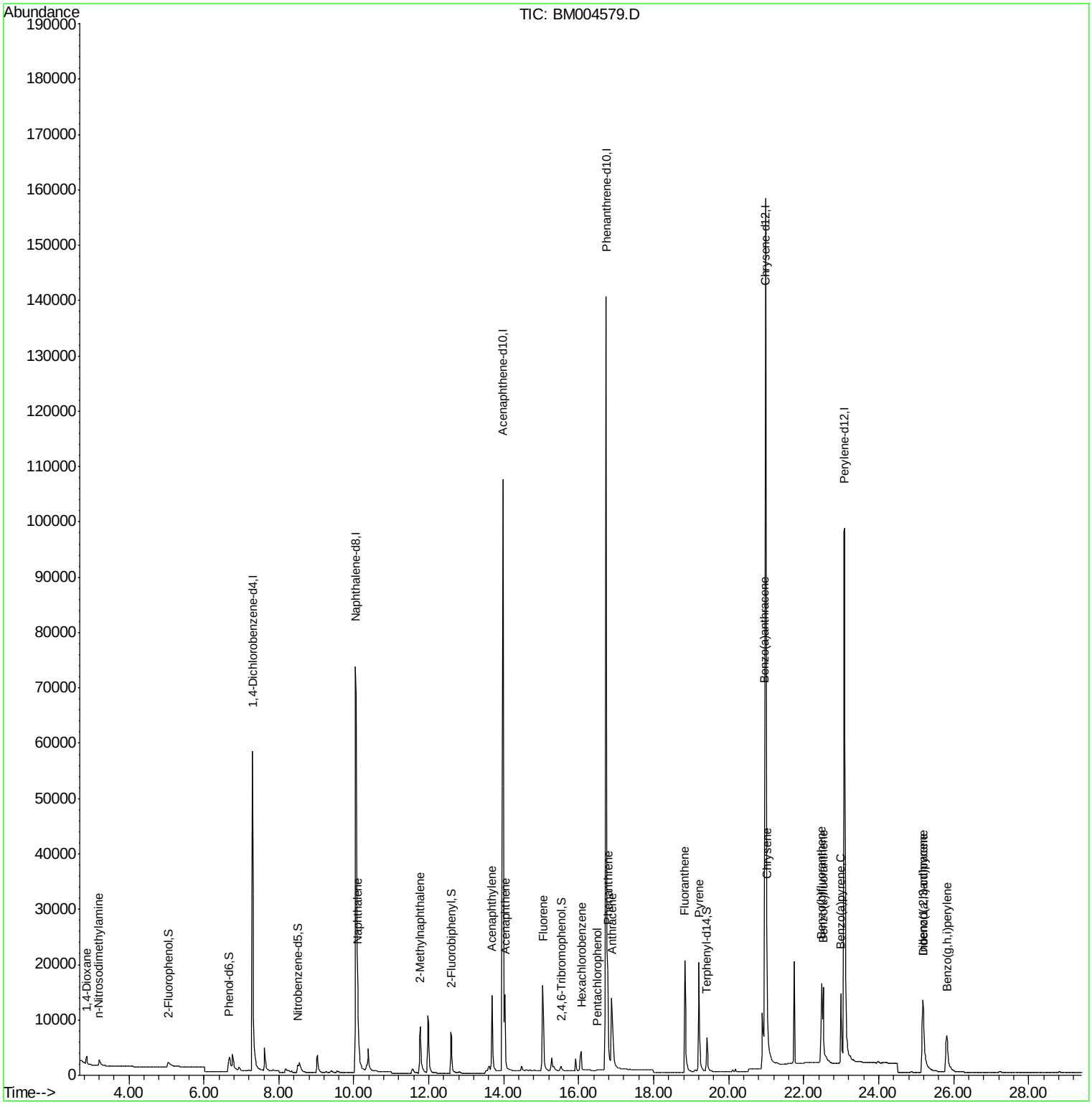
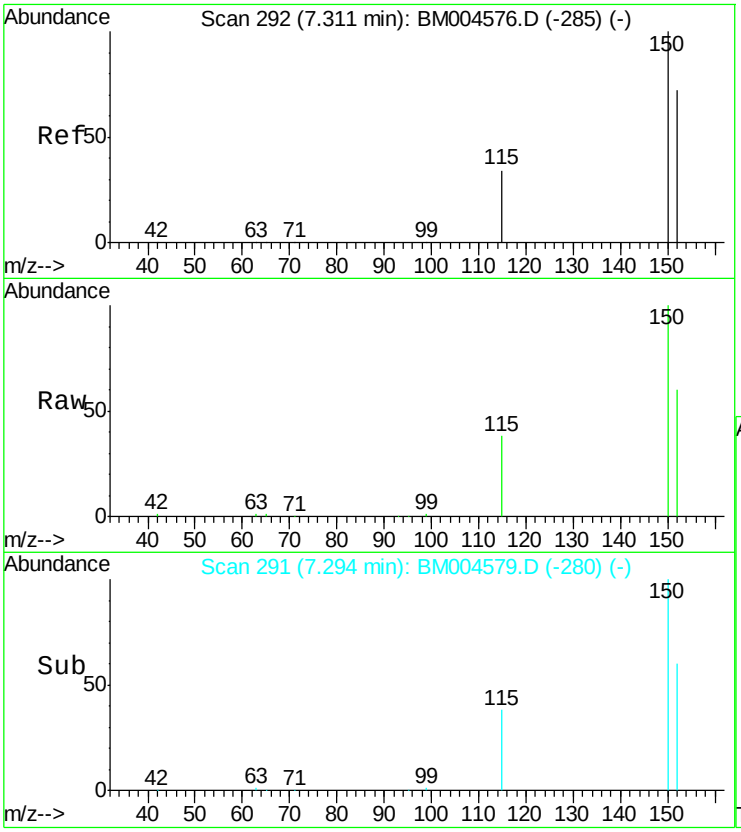
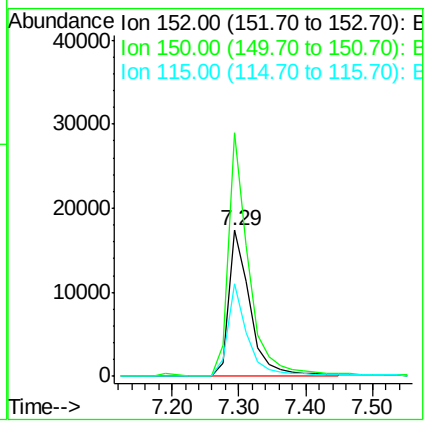




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.29 min Scan# 291
Delta R.T. -0.02 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:152 Resp: 38395

Ion	Ratio	Lower	Upper
152	100		
150	166.9	111.9	167.9
115	63.7	37.7	56.5#



Instrument :
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ClientSampleId :
ICVBM030816

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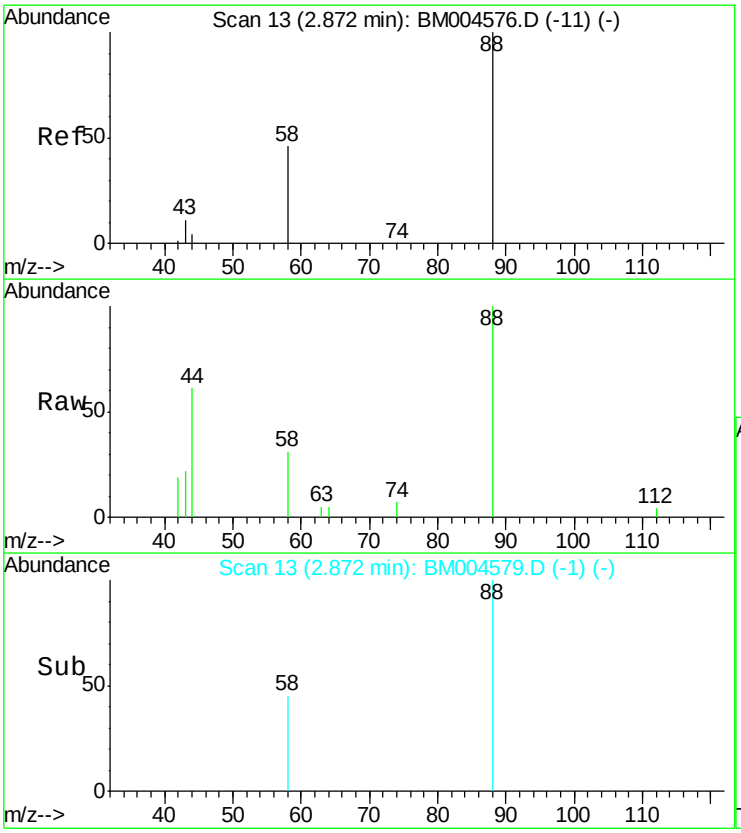
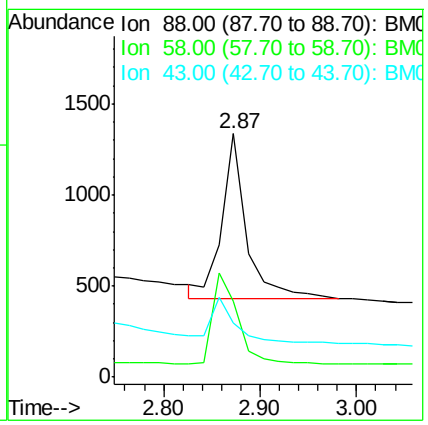
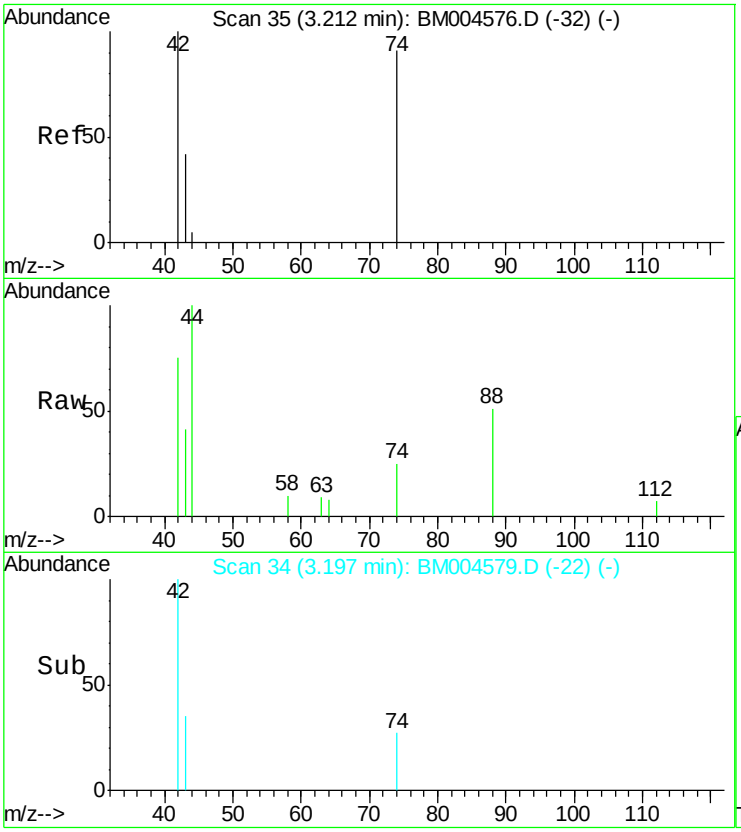


#2
1,4-Dioxane
Concen: 0.41 ng
RT: 2.87 min Scan# 13
Delta R.T. 0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion: 88 Resp: 1615

Ion	Ratio	Lower	Upper
88	100		
58	56.2	45.4	68.0
43	28.9	19.3	28.9

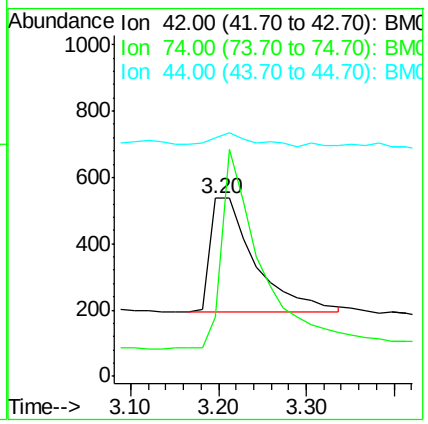




#3
n-Nitrosodimethylamine
Concen: 0.42 ng
RT: 3.20 min Scan# 34
Delta R.T. -0.02 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion: 42 Resp: 1212

Ion	Ratio	Lower	Upper
42	100		
74	153.4	117.8	176.8
44	9.7	6.1	9.1#



Instrument :
BNA_M
ClientSampleId :
ICVBM030816

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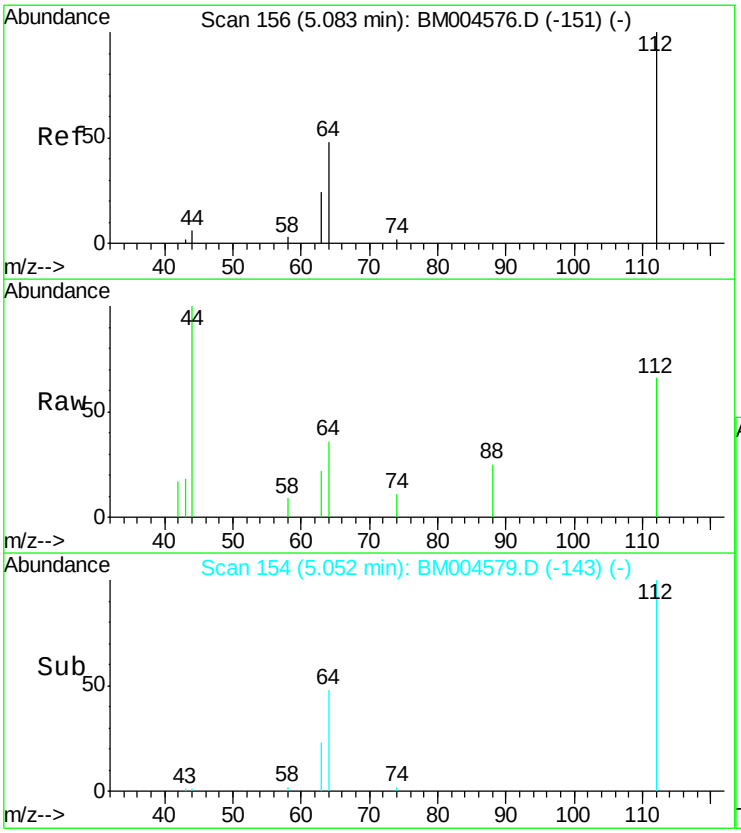
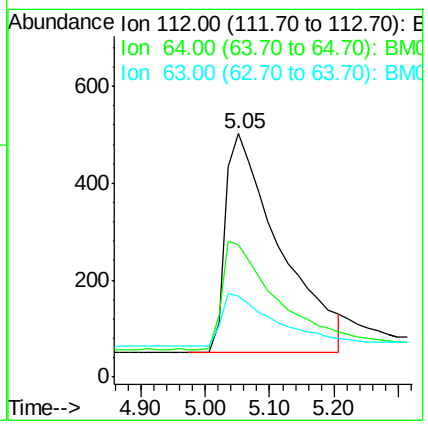
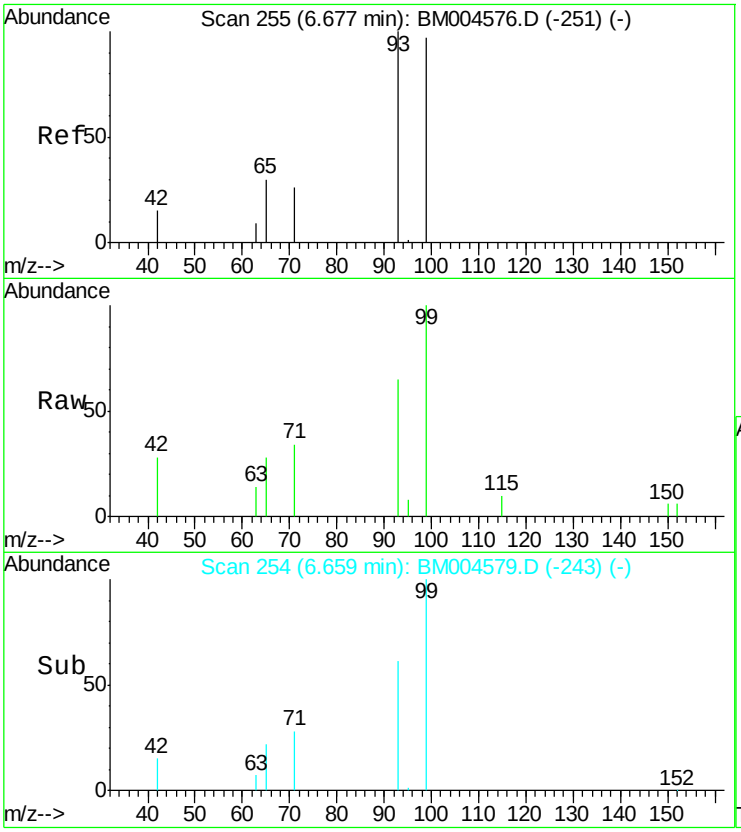


#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.05 min Scan# 154
Delta R.T. -0.03 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:112 Resp: 2645

Ion	Ratio	Lower	Upper
112	100		
64	49.5	39.6	59.4
63	24.6	20.0	30.0





#5
Phenol-d6
Concen: 0.41 ng
RT: 6.66 min Scan# 254
Delta R.T. -0.02 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion: 99 Resp: 3202

Ion	Ratio	Lower	Upper
99	100		
42	19.3	12.2	18.2#
71	28.3	23.4	35.2

Instrument :
BNA_M
ClientSampleId :
ICVBM030816

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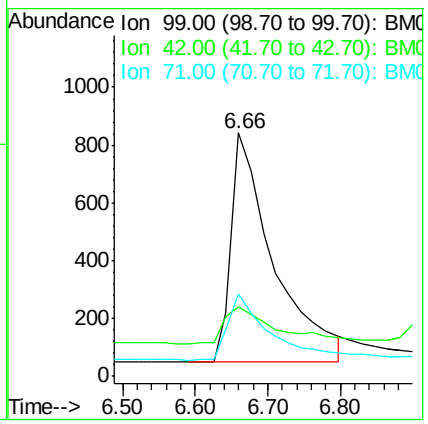
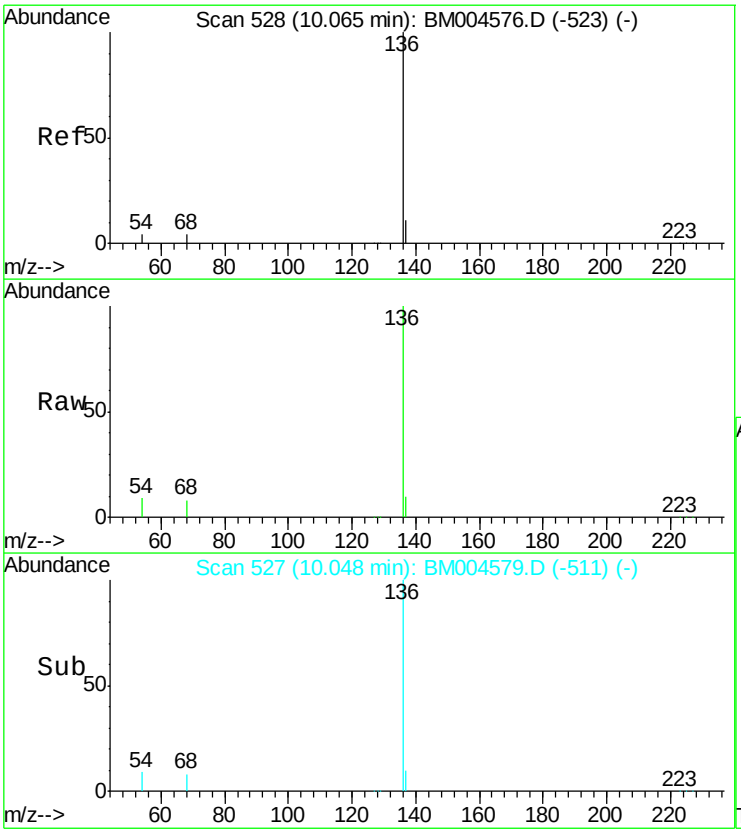
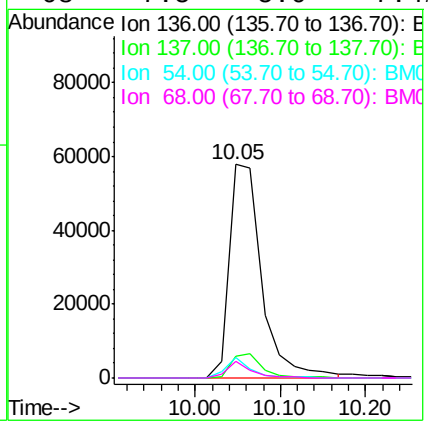


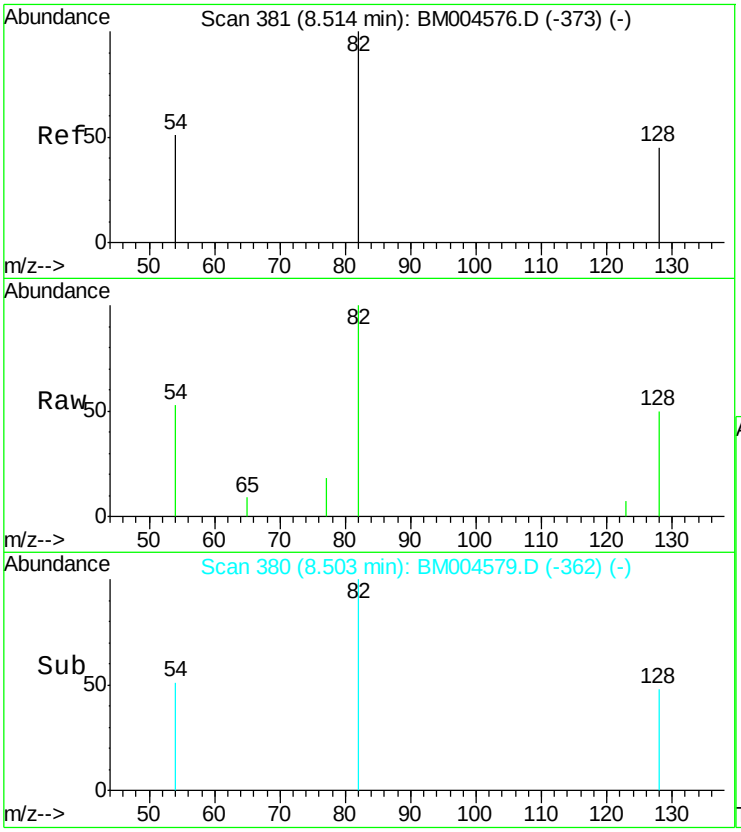


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.05 min Scan# 527
Delta R.T. -0.02 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:136 Resp: 144292

Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.2	12.2
54	9.5	6.4	9.6
68	7.5	5.0	7.4#

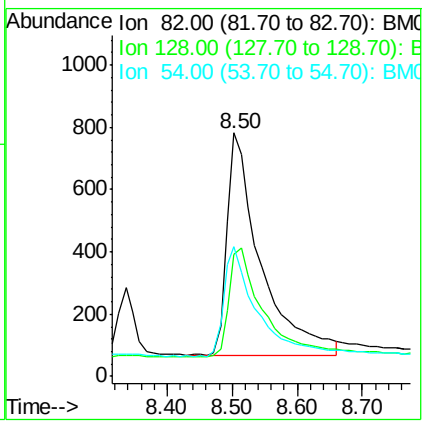




#7
Nitrobenzene-d5
Concen: 0.41 ng
RT: 8.50 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion: 82 Resp: 2543

Ion	Ratio	Lower	Upper
82	100		
128	50.3	43.7	65.5
54	53.5	33.5	50.3#



Instrument :
BNA_M
ClientSampleId :
ICVBM030816

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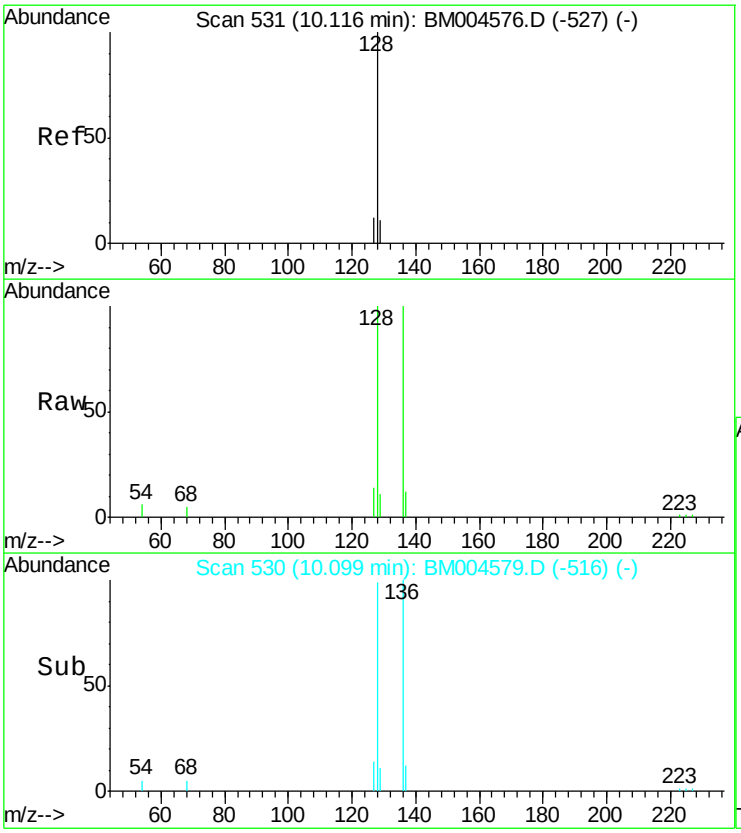
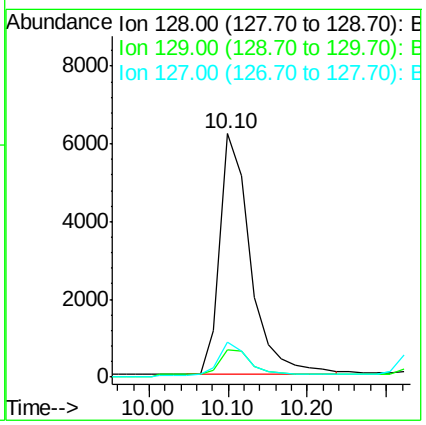
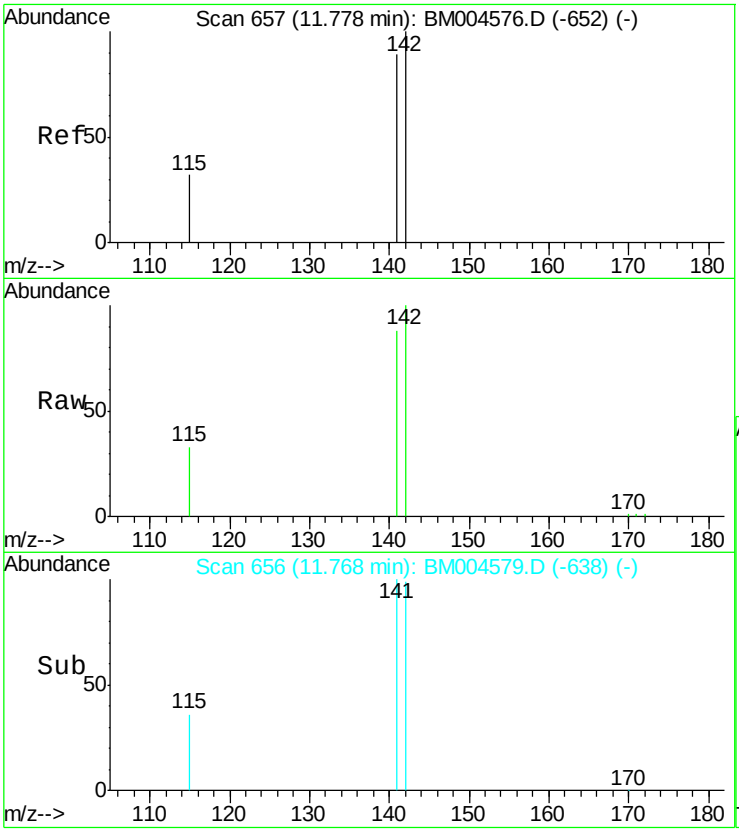


#8
Naphthalene
Concen: 0.42 ng
RT: 10.10 min Scan# 530
Delta R.T. -0.02 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:128 Resp: 16711

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	14.3	10.9	16.3

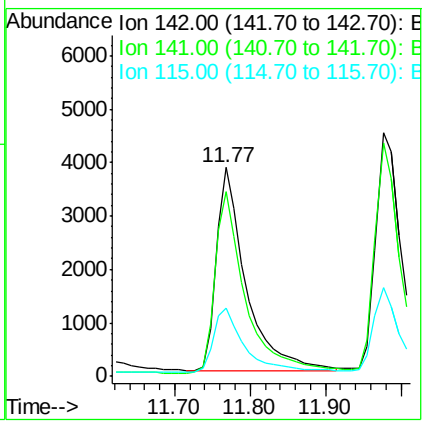




#9
2-Methylnaphthalene
Concen: 0.42 ng
RT: 11.77 min Scan# 656
Delta R.T. -0.01 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:142 Resp: 10455

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.2	105.2
115	32.6	25.8	38.6



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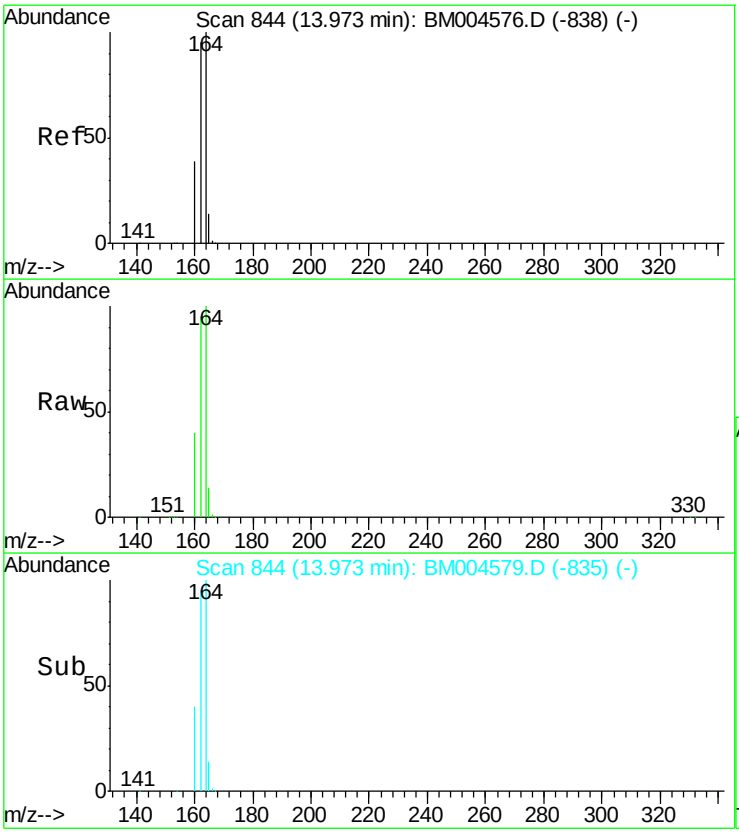
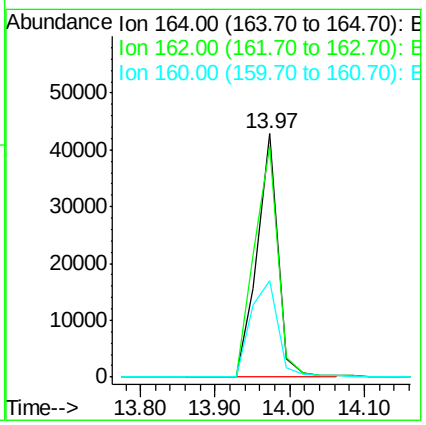
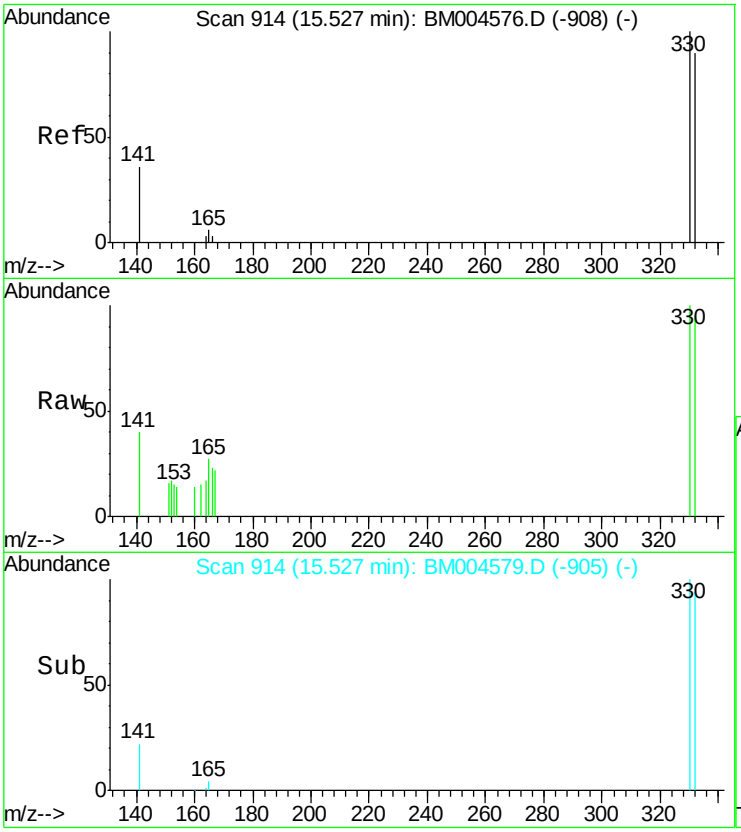


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.97 min Scan# 844
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:164 Resp: 83900

Ion	Ratio	Lower	Upper
164	100		
162	95.0	84.2	126.4
160	39.6	37.4	56.2





#11
2,4,6-Tribromophenol
Concen: 0.46 ng
RT: 15.53 min Scan# 914
Delta R.T. 0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:330 Resp: 890

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.1	114.1
141	0.0	16.0	24.0#

Instrument :
BNA_M
ClientSampleId :
ICVBM030816

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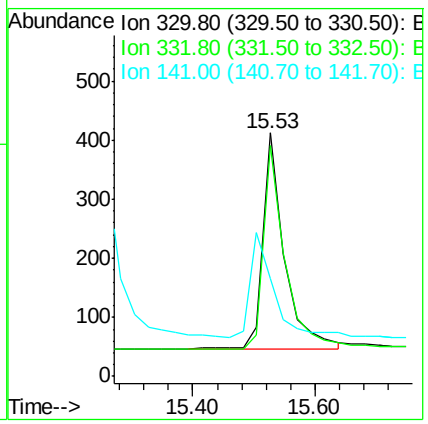
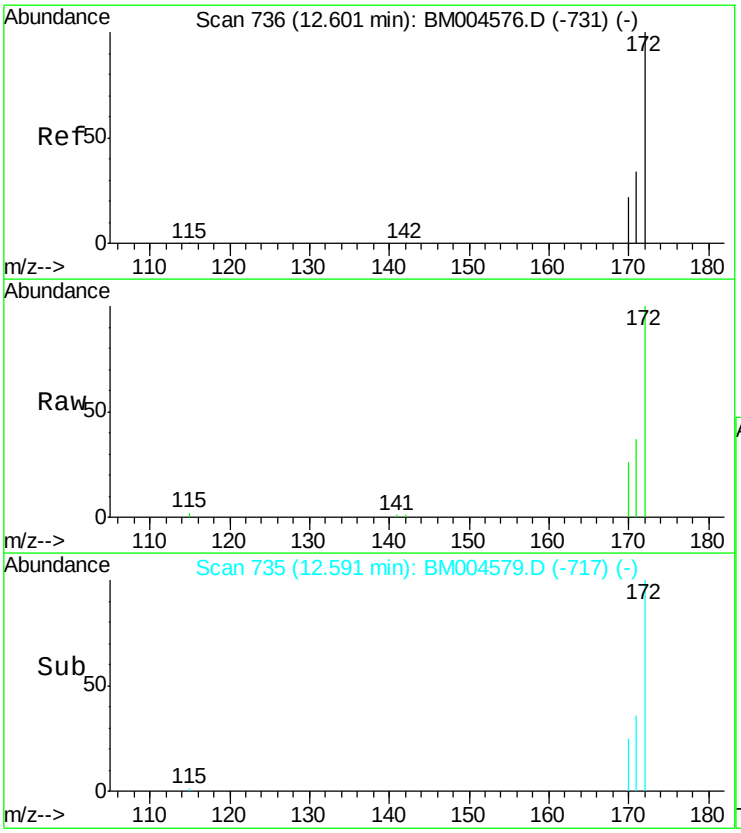
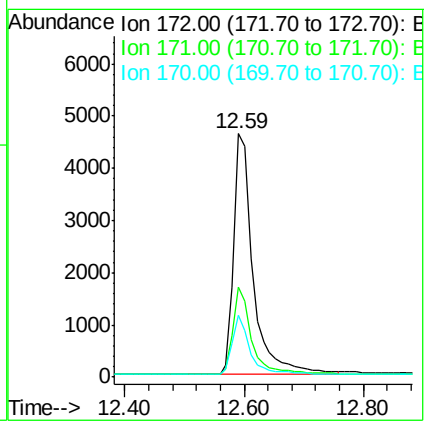


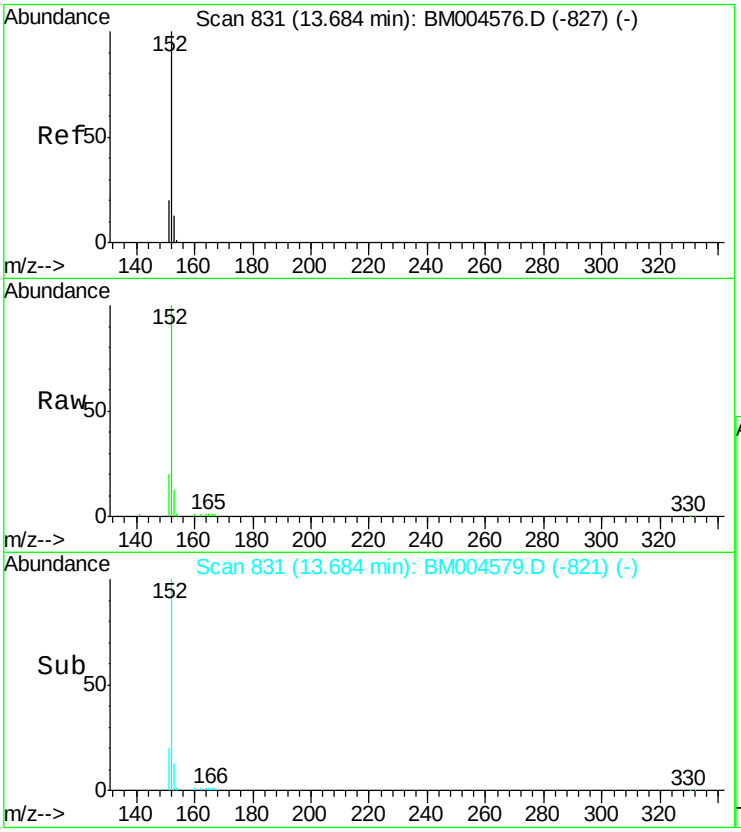


#12
2-Fluorobiphenyl
Concen: 0.43 ng
RT: 12.59 min Scan# 735
Delta R.T. -0.01 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:172 Resp: 10355

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.2	43.8
170	25.6	19.7	29.5

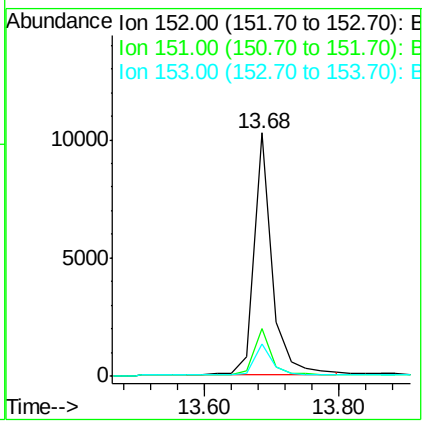




#13
Acenaphthylene
Concen: 0.43 ng
RT: 13.68 min Scan# 831
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:152 Resp: 19121

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.8	23.6
153	12.9	10.2	15.4



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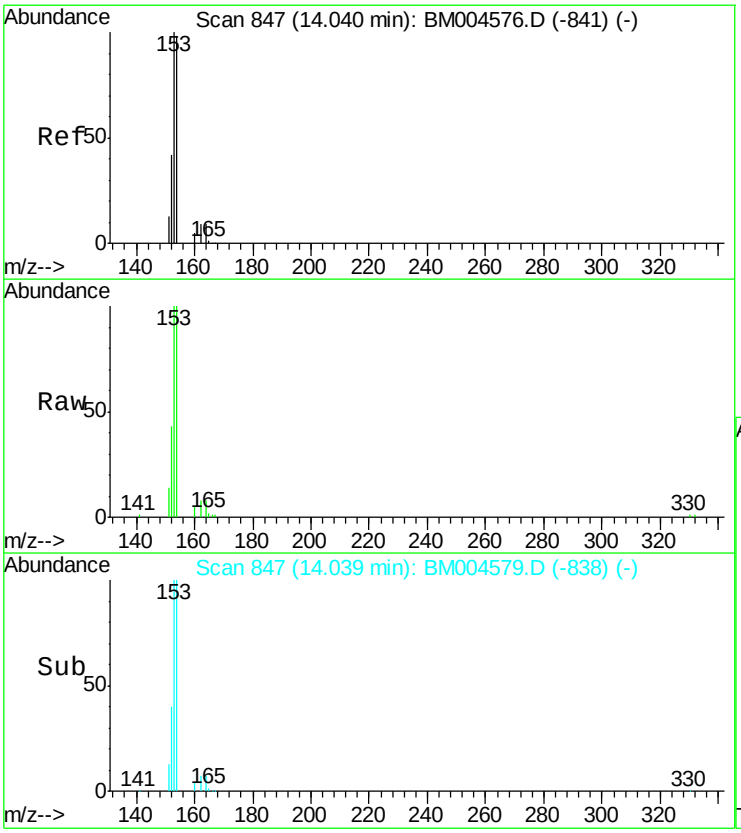
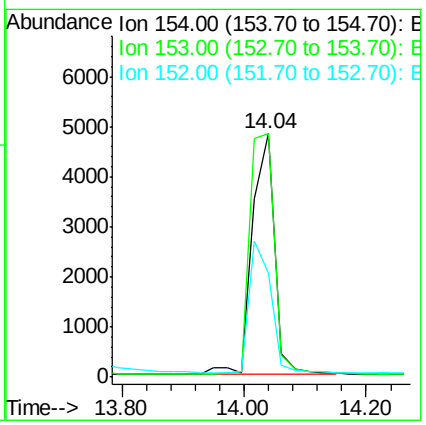
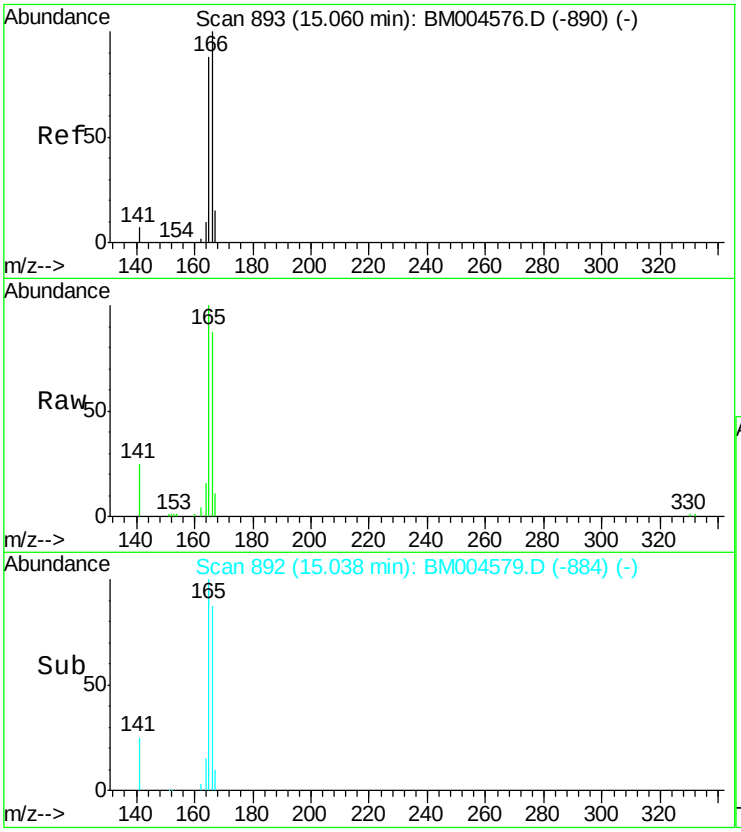


#14
Acenaphthene
Concen: 0.40 ng
RT: 14.04 min Scan# 847
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:154 Resp: 12259

Ion	Ratio	Lower	Upper
154	100		
153	110.7	88.0	132.0
152	0.0	41.1	61.7#





#15
Fluorene
Concen: 0.43 ng
RT: 15.04 min Scan# 892
Delta R.T. -0.02 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:166 Resp: 15178

Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.2	115.8
167	0.0	10.9	16.3#

Instrument :
BNA_M
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Manual Integrations APPROVED
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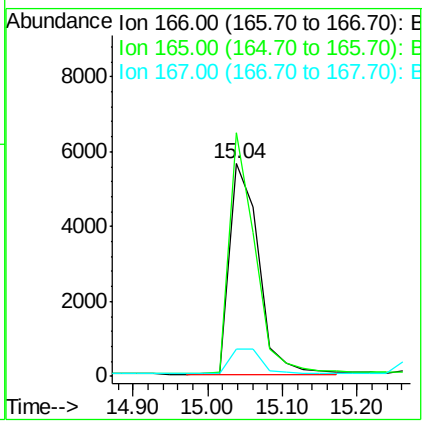
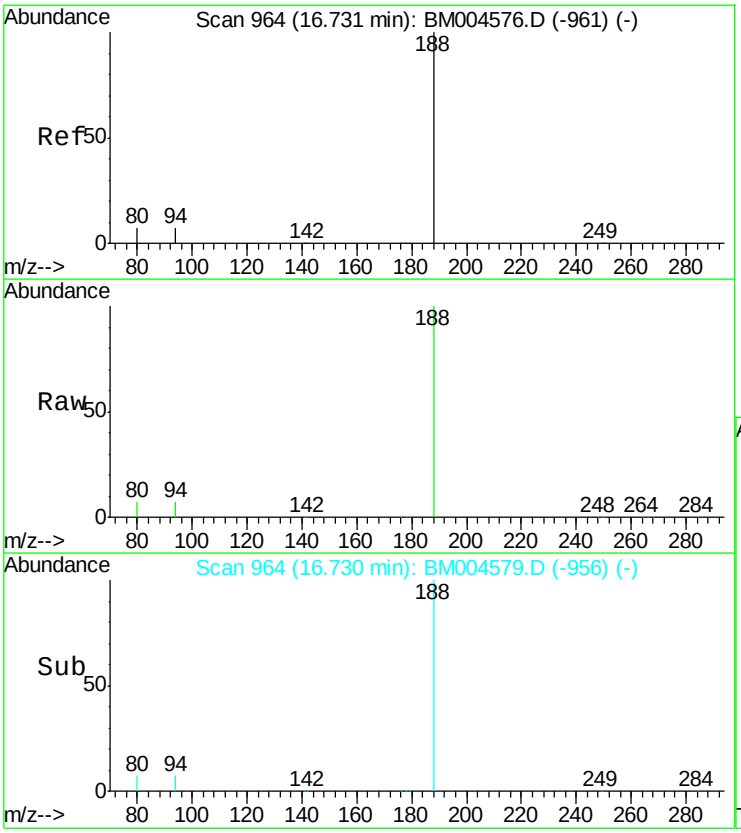
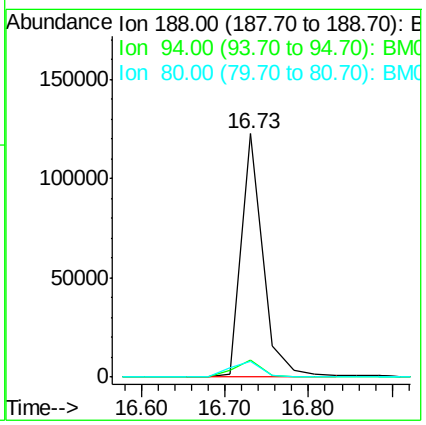


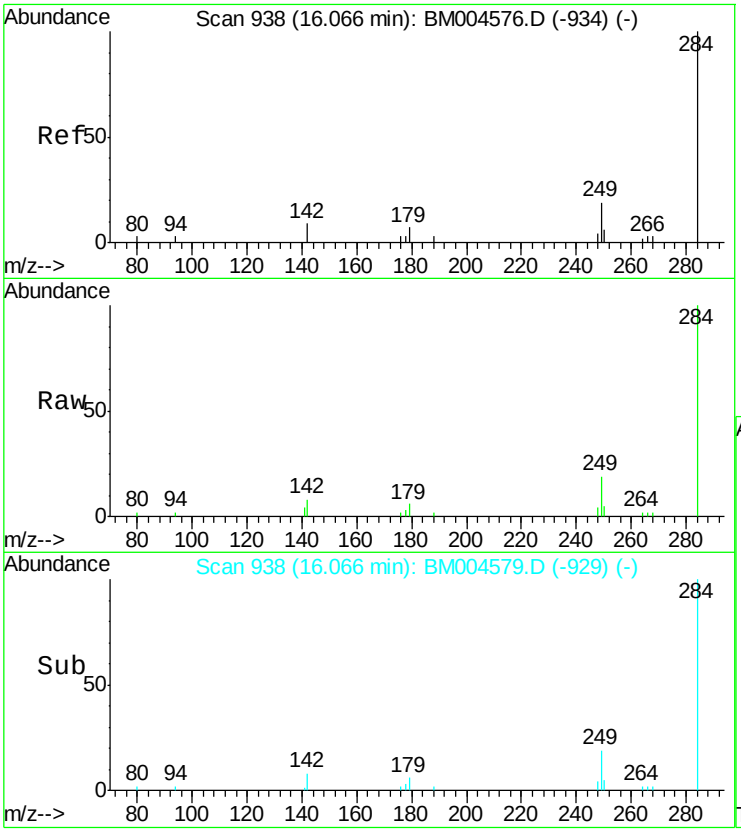


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.73 min Scan# 964
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:188 Resp: 224115

Ion	Ratio	Lower	Upper
188	100		
94	7.2	7.4	11.0#
80	6.7	6.9	10.3#

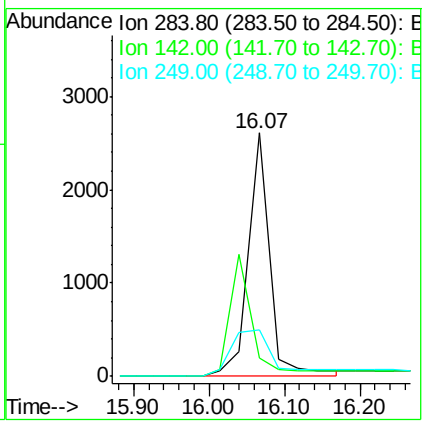




#17
Hexachlorobenzene
Concen: 0.32 ng
RT: 16.07 min Scan# 938
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:284 Resp: 4941

Ion	Ratio	Lower	Upper
284	100		
142	0.0	20.8	31.2#
249	40.4	24.0	36.0#



Instrument :
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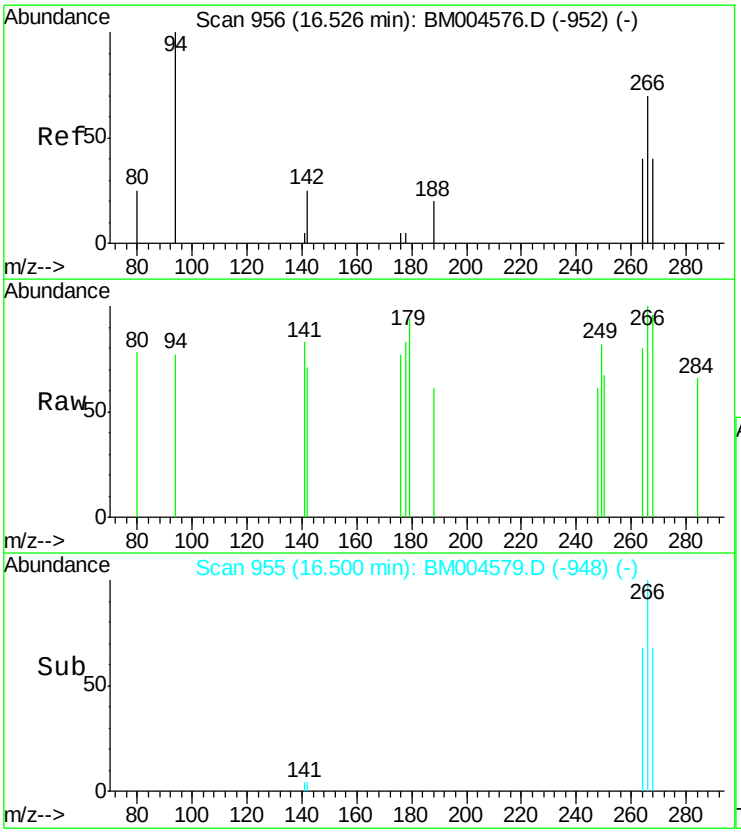
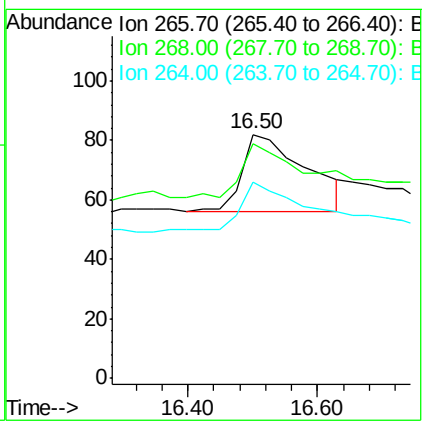
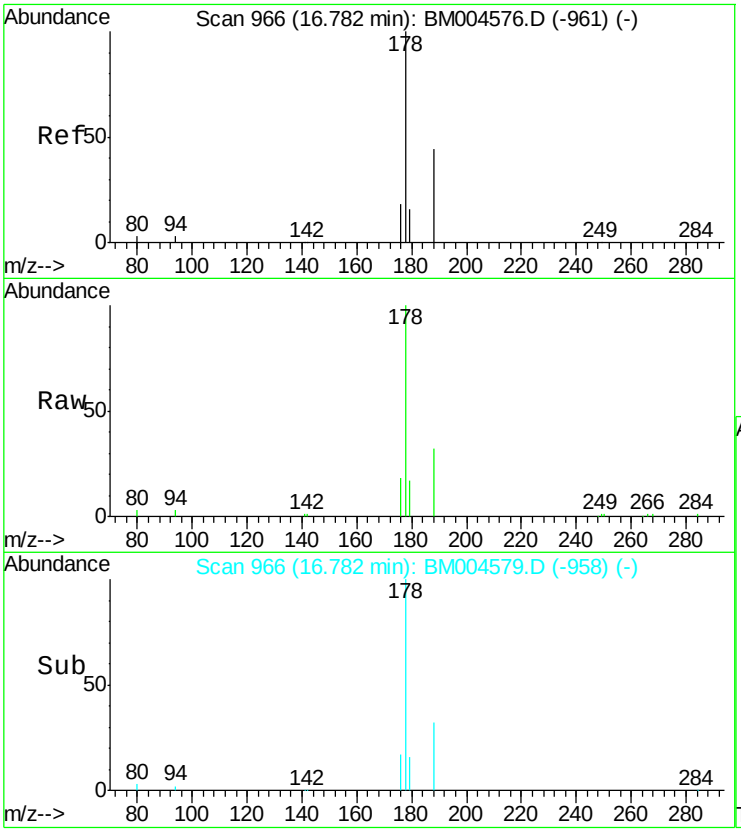


#18
Pentachlorophenol
Concen: 0.21 ng
RT: 16.50 min Scan# 955
Delta R.T. -0.03 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:266 Resp: 178

Ion	Ratio	Lower	Upper
266	100		
268	96.3	60.7	91.1#
264	80.5	57.1	85.7

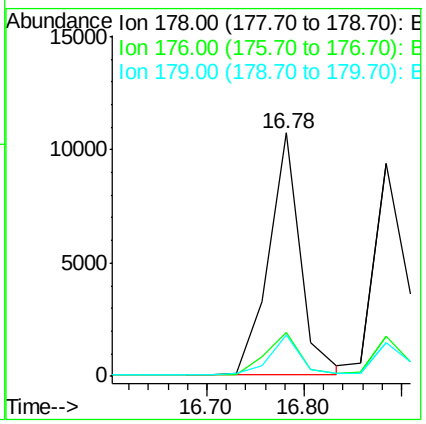




#19
Phenanthrene
Concen: 0.34 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:178 Resp: 24113

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.9	12.9	19.3



Instrument :
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ClientSampleId :
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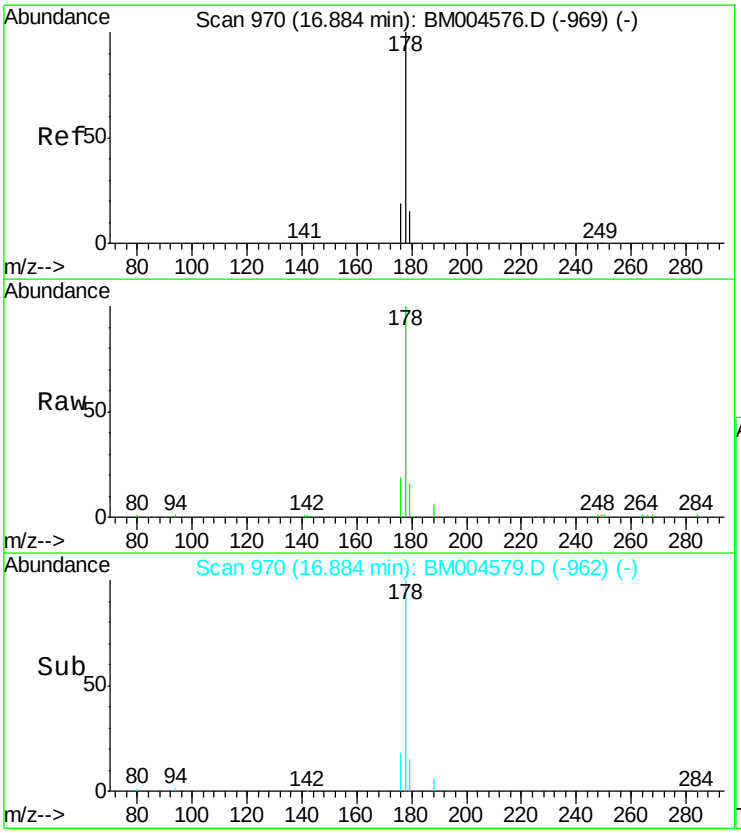
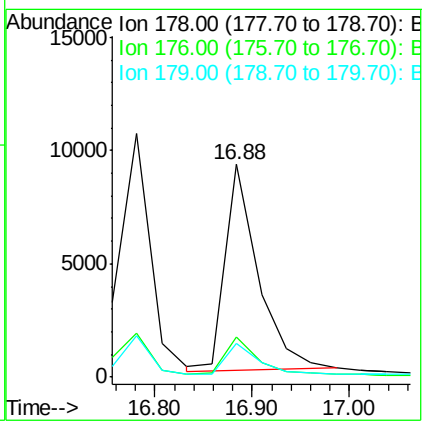
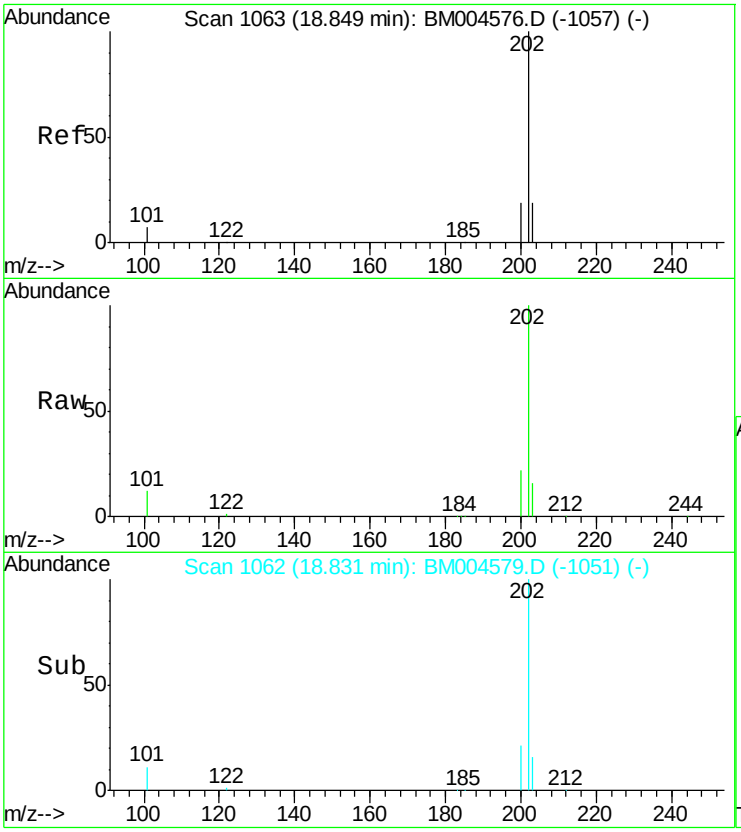


#20
Anthracene
Concen: 0.34 ng
RT: 16.88 min Scan# 970
Delta R.T. 0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:178 Resp: 21550

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	14.8	13.6	20.4

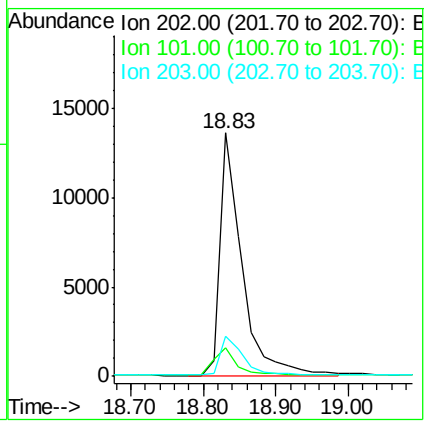




#21
Fluoranthene
Concen: 0.38 ng
RT: 18.83 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:202 Resp: 28606

Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.4	14.2
203	17.2	13.9	20.9



Instrument :
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ClientSampleId :
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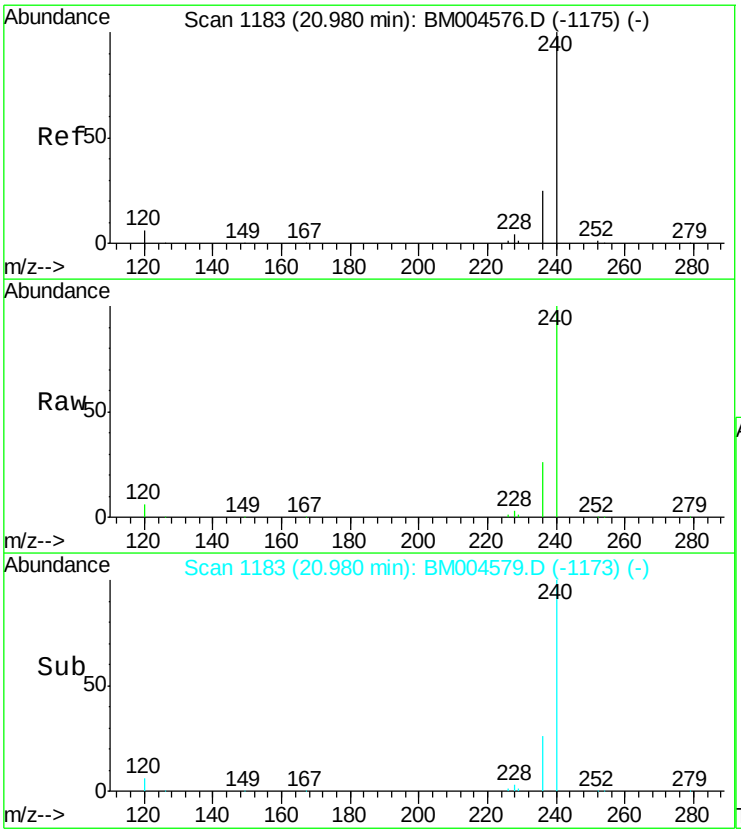
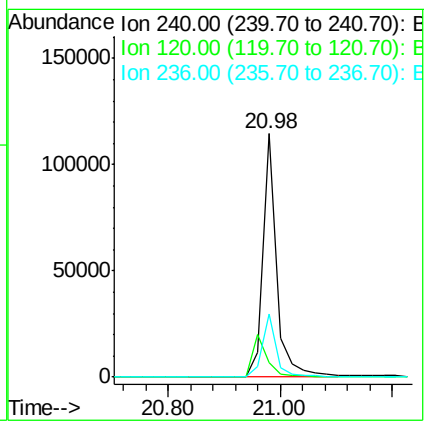
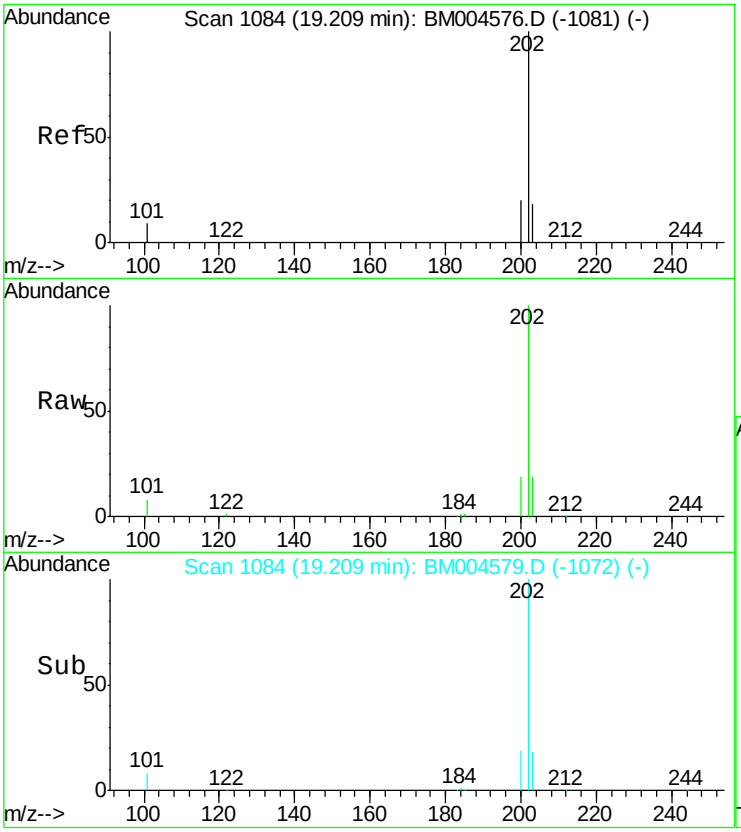


#22
Chrysene-d12
Concen: 5.00 ng
RT: 20.98 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:240 Resp: 194080

Ion	Ratio	Lower	Upper
240	100		
120	5.9	6.1	9.1#
236	25.8	22.6	34.0





#23
Pyrene
Concen: 0.38 ng
RT: 19.21 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:202 Resp: 29512

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.3	14.1	21.1

Instrument :
BNA_M
ClientSampleId :
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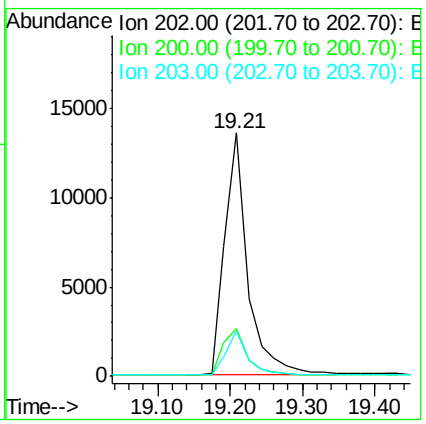
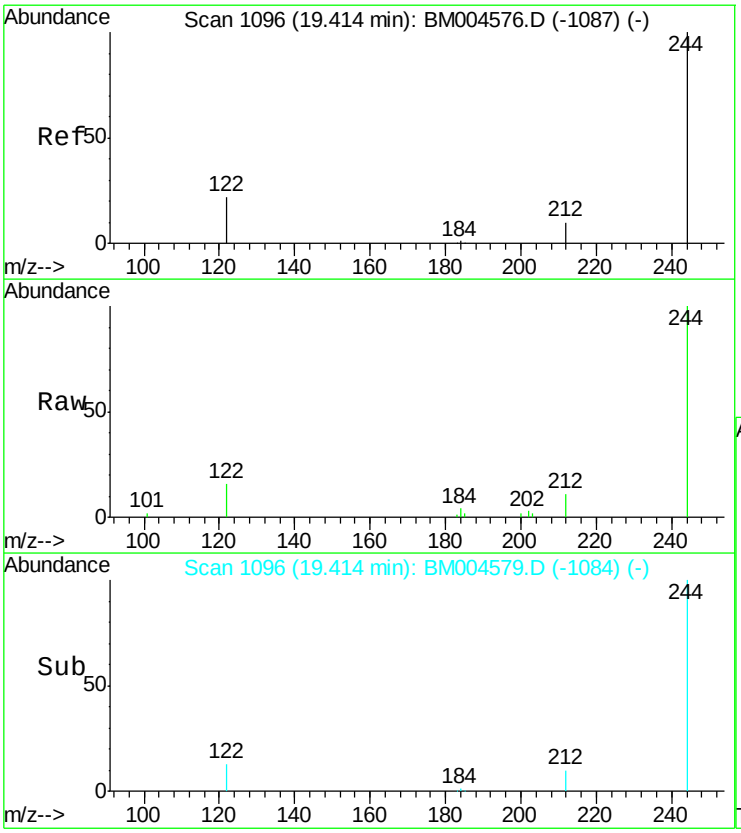
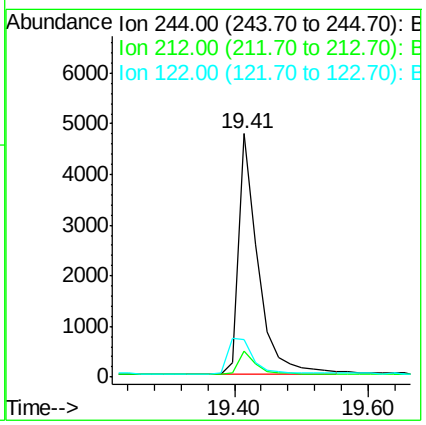


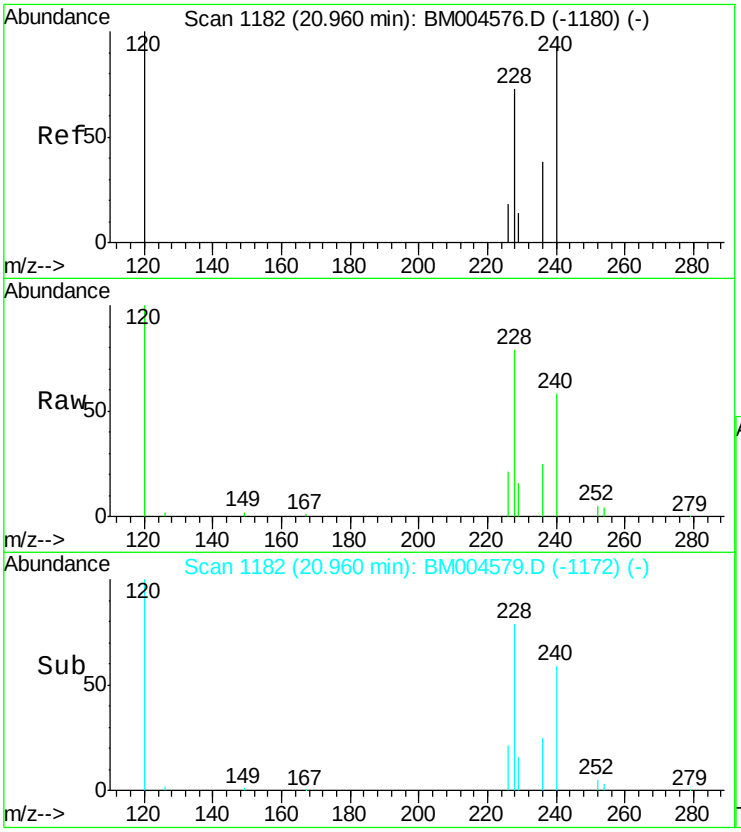


#24
Terphenyl-d14
Concen: 0.39 ng
RT: 19.41 min Scan# 1096
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:244 Resp: 9576

Ion	Ratio	Lower	Upper
244	100		
212	10.8	7.5	11.3
122	15.6	4.2	6.2#

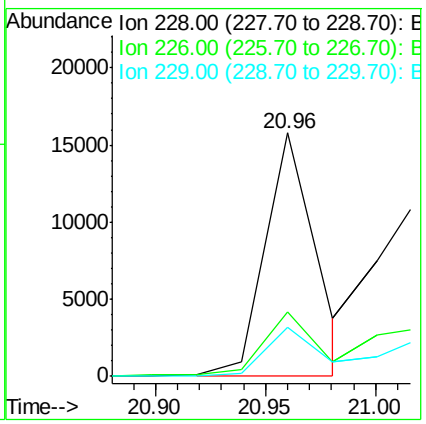




#25
Benzo(a)anthracene
Concen: 0.39 ng m
RT: 20.96 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:228 Resp: 24994

Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.8	34.2
229	20.1	14.6	22.0



Instrument :
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ClientSampleId :
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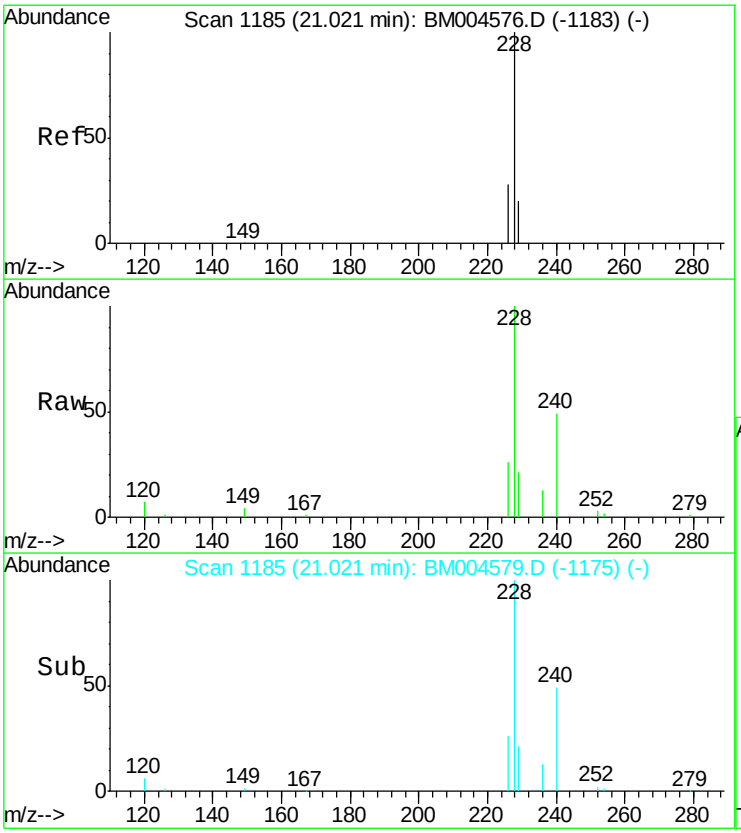
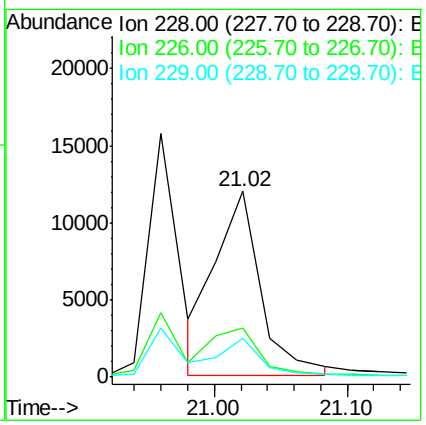
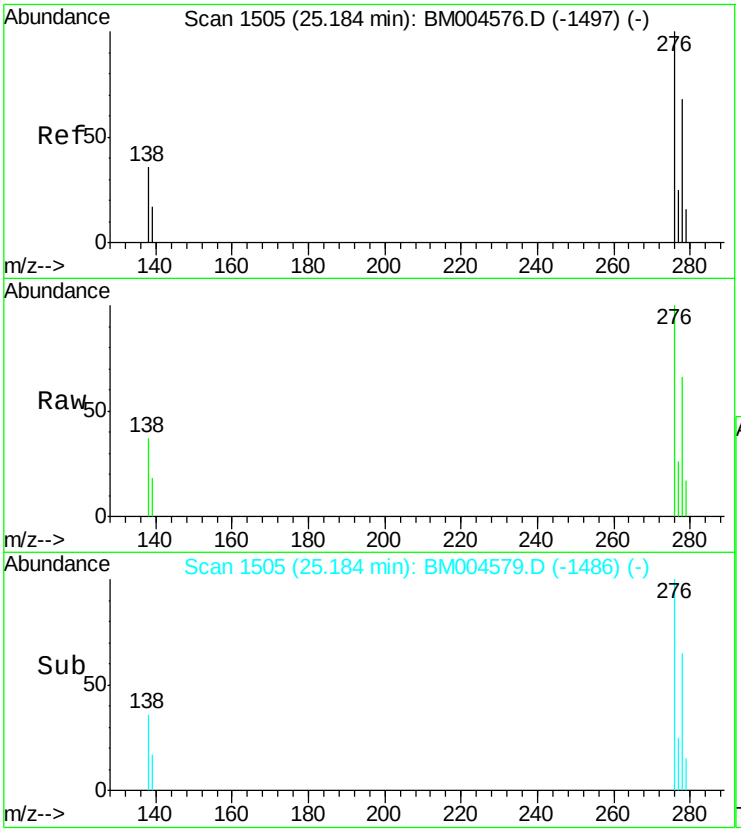


#26
Chrysene
Concen: 0.42 ng m
RT: 21.02 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:228 Resp: 28672

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.4	32.2
229	21.0	17.1	25.7

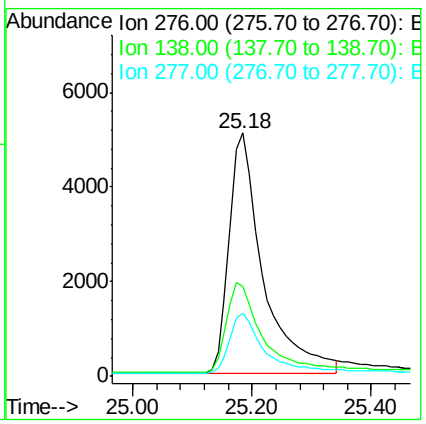




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 25.18 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:276 Resp: 20195

Ion	Ratio	Lower	Upper
276	100		
138	39.3	30.4	45.6
277	24.8	19.8	29.8



Instrument :
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ClientSampleId :
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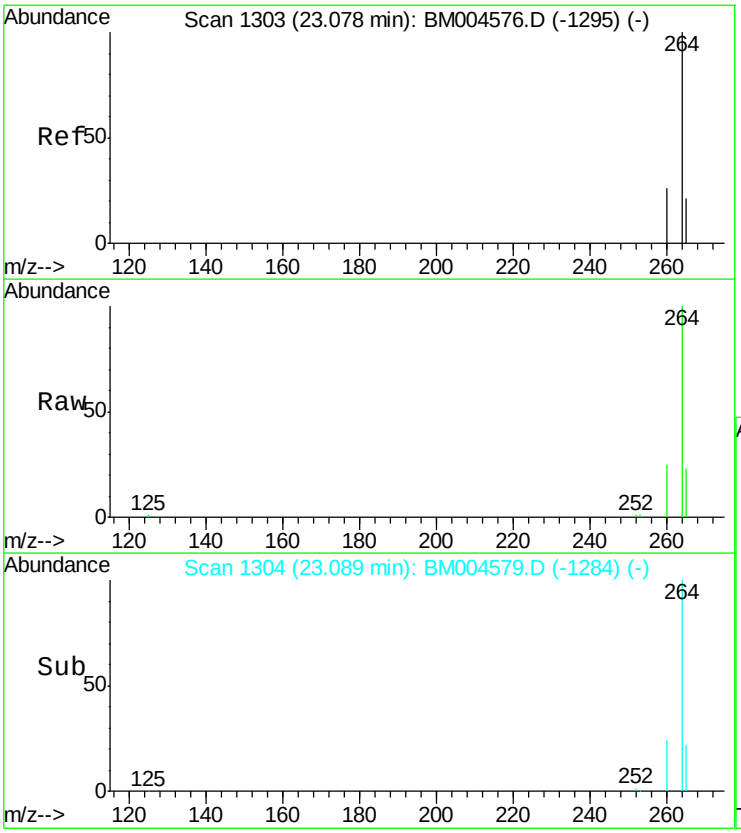
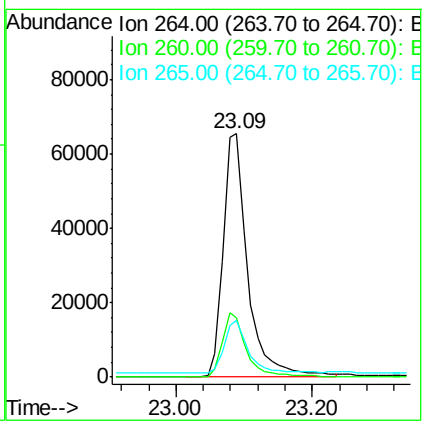
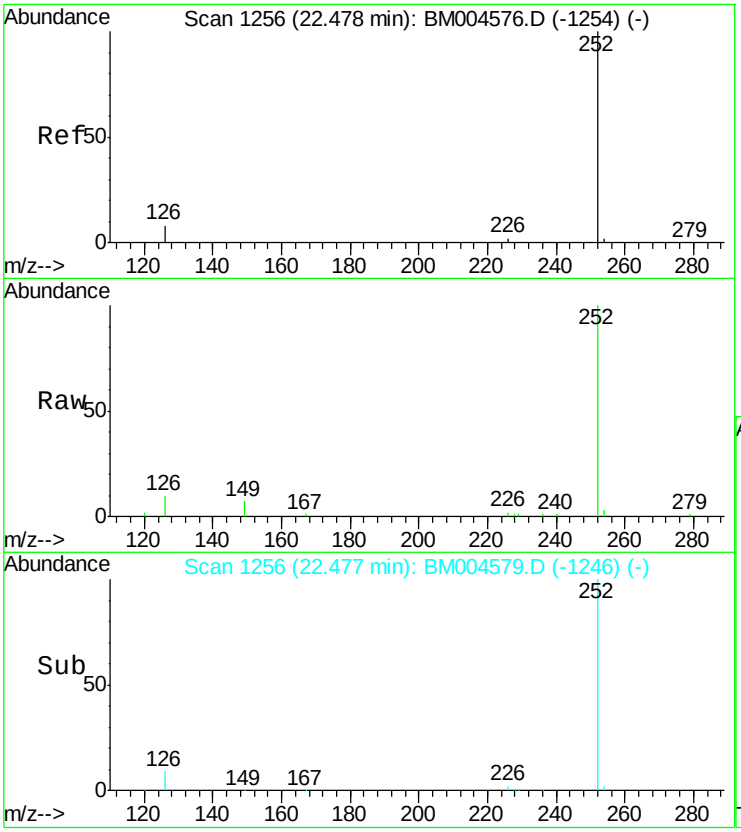


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.09 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:264 Resp: 162768

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.6
265	23.4	18.9	28.3





#29
Benzo(b)fluoranthene
Concen: 0.40 ng m
RT: 22.48 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:252 Resp: 24904

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.8	28.2#
125	0.0	11.8	17.8#

Instrument :
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ClientSampleId :
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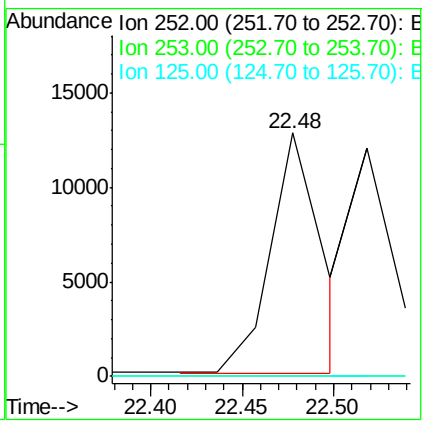
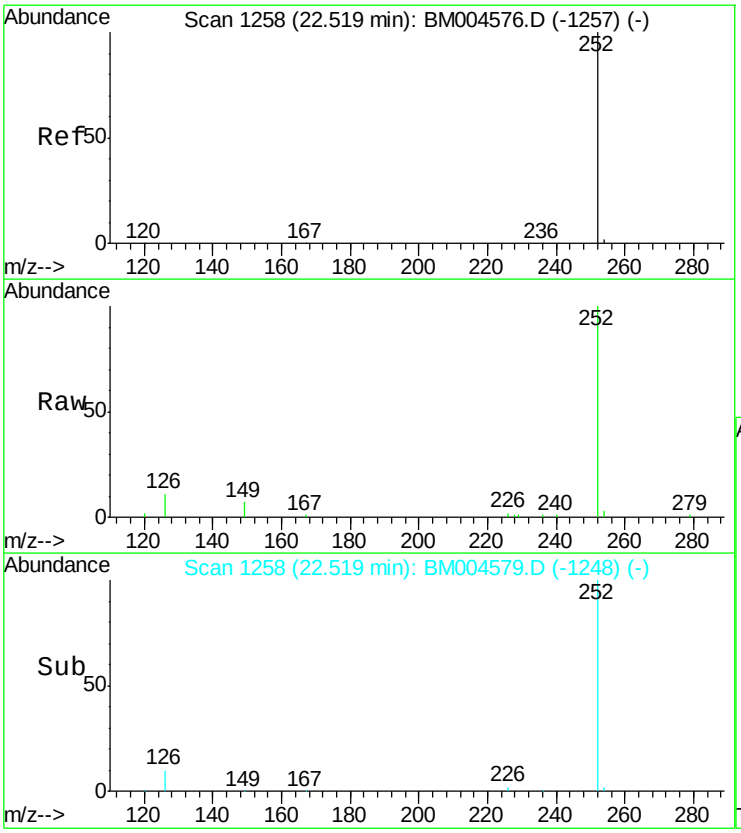
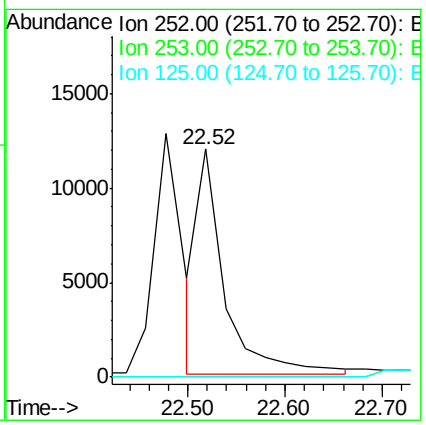


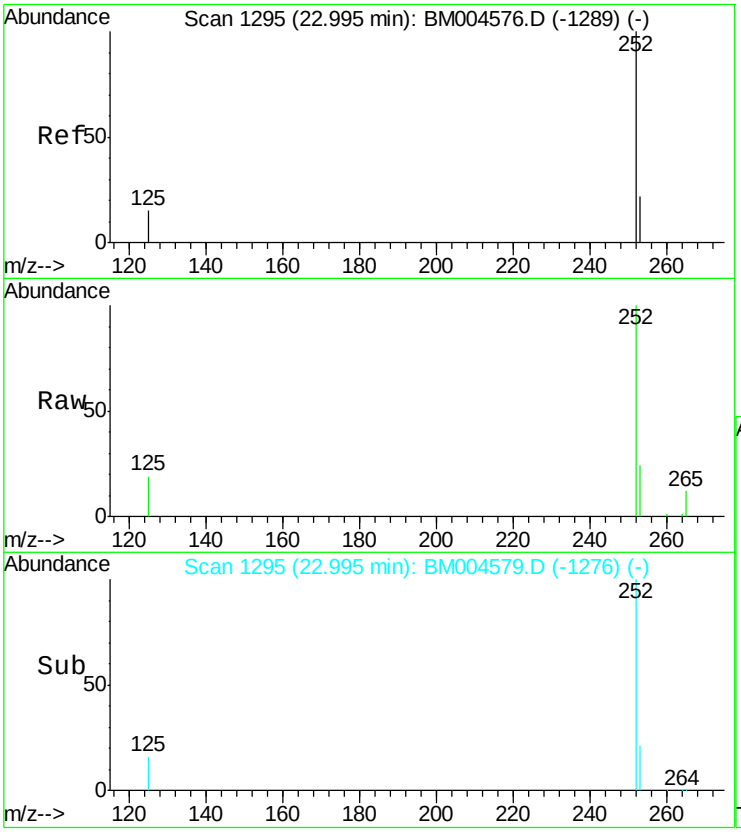


#30
Benzo(k)fluoranthene
Concen: 0.40 ng m
RT: 22.52 min Scan# 1258
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:252 Resp: 23597

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.3	27.5#
125	0.0	12.2	18.4#

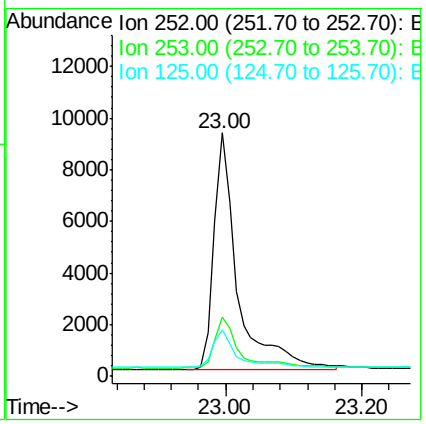




#31
Benzo(a)pyrene
Concen: 0.42 ng
RT: 23.00 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:252 Resp: 22162

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	18.9	14.3	21.5



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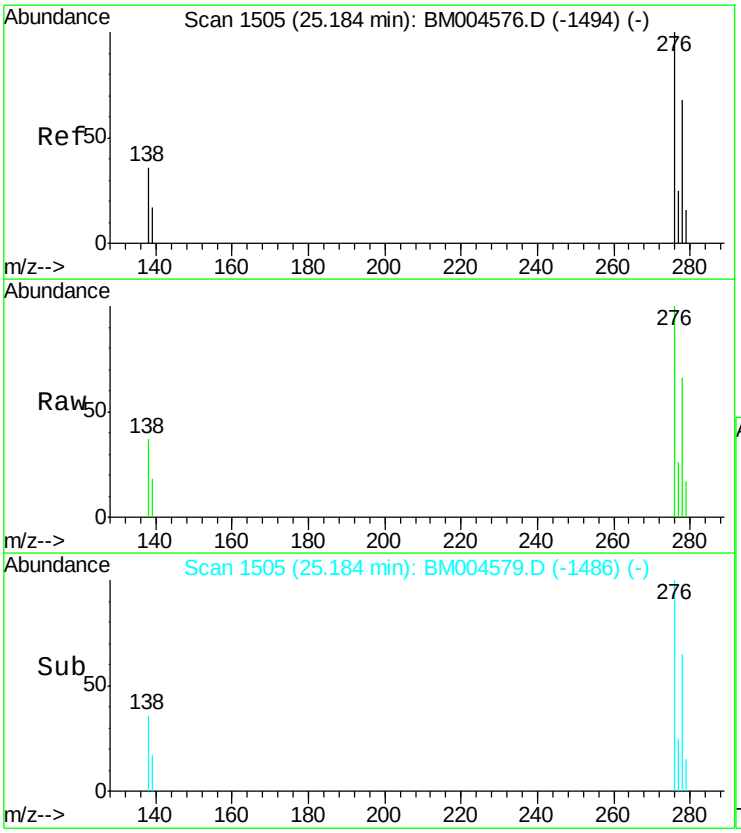
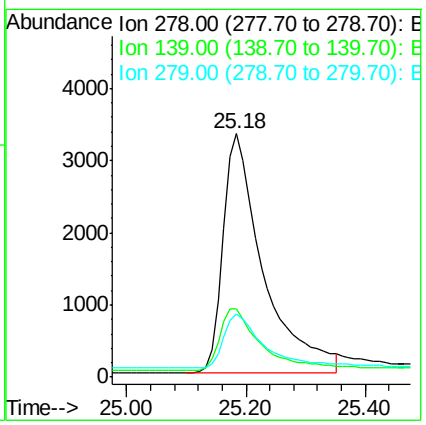
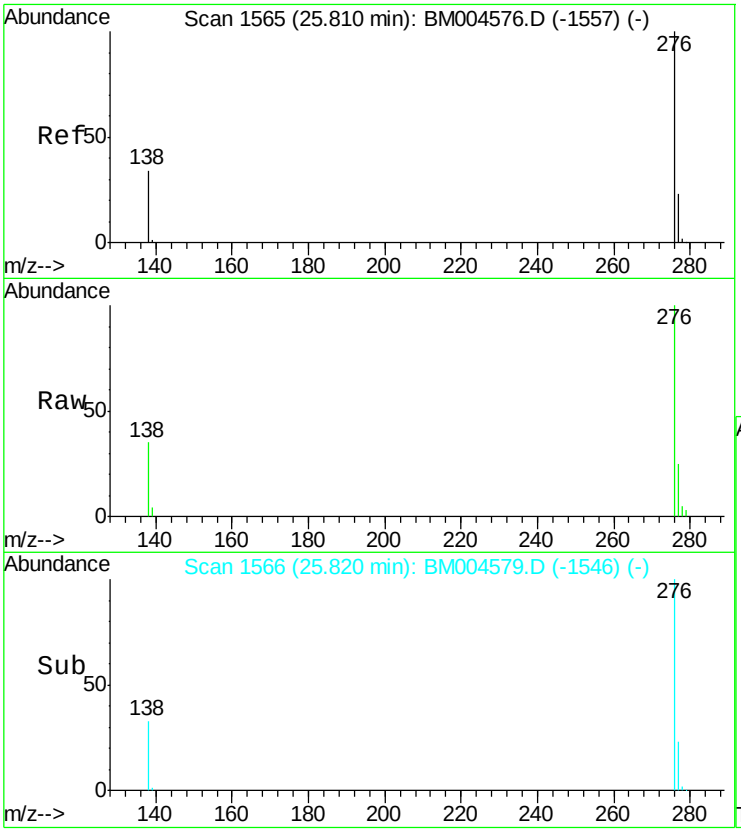


#32
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 25.18 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:278 Resp: 15474

Ion	Ratio	Lower	Upper
278	100		
139	27.9	21.2	31.8
279	26.1	19.6	29.4

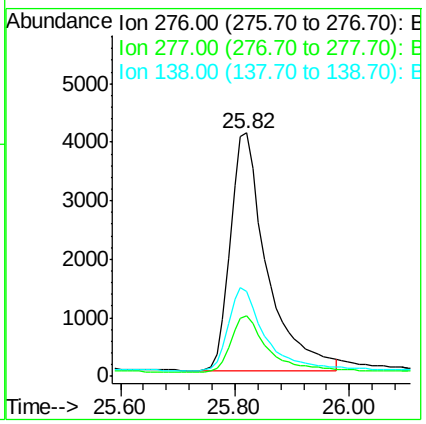




#33
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 25.82 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BM004579.D
Acq: 08 Mar 2016 16:32

Tgt Ion:276 Resp: 17945

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.6	29.4
138	35.0	26.2	39.2



Instrument :
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ClientSampleId :
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