Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030816\
Data File : BM004576.D
Acq On : 08 Mar 2016 12:09
Operator : SJ/UM
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICCC0.4

Manual Integrations APPROVED
UMANGI
3/9/2016 5:54:41 PM

Quant Time: Mar 08 14:16:35 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 13:49:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.31	152	33765	5.00	ng		0.00
6) Naphthalene-d8	10.06	136	129564	5.00	ng		0.00
10) Acenaphthene-d10	13.97	164	72860	5.00	ng		0.00
16) Phenanthrene-d10	16.73	188	181297	5.00	ng		0.00
22) Chrysene-d12	20.98	240	132912	5.00	ng		0.00
28) Perylene-d12	23.08	264	118840	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.08	112	2372m	0.30	ng		0.00
5) Phenol-d6	6.68	99	2611	0.29	ng		0.00
7) Nitrobenzene-d5	8.51	82	2025	0.31	ng		0.00
11) 2,4,6-Tribromophenol	15.53	330	675	0.24	ng		0.00
12) 2-Fluorobiphenyl	12.60	172	8681	0.39	ng		0.00
24) Terphenyl-d14	19.41	244	6892	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.87	88	1421	0.36	ng	#	95
3) n-Nitrosodimethylamine	3.21	42	972	0.28	ng		92
8) Naphthalene	10.12	128	14610	0.36	ng		98
9) 2-Methylnaphthalene	11.78	142	8803	0.39	ng		99
13) Acenaphthylene	13.68	152	15763	0.38	ng		99
14) Acenaphthene	14.04	154	10413	0.38	ng	#	76
15) Fluorene	15.06	166	12296	0.37	ng		97
17) Hexachlorobenzene	16.07	284	4314	0.39	ng	#	66
18) Pentachlorophenol	16.53	266	135m	0.05	ng		
19) Phenanthrene	16.78	178	19702	0.31	ng		99
20) Anthracene	16.88	178	16578	0.31	ng		96
21) Fluoranthene	18.85	202	20847	0.30	ng		99
23) Pyrene	19.21	202	21480	0.41	ng		100
25) Benzo(a)anthracene	20.96	228	16666m	0.34	ng		
26) Chrysene	21.02	228	21521m	0.22	ng		
27) Indeno(1,2,3-cd)pyrene	25.18	276	16082	0.35	ng		98
29) Benzo(b)fluoranthene	22.48	252	18349m	0.40	ng		
30) Benzo(k)fluoranthene	22.52	252	16225m	0.36	ng		
31) Benzo(a)pyrene	23.00	252	16132	0.39	ng		93
32) Dibenzo(a,h)anthracene	25.18	278	12380	0.34	ng		95
33) Benzo(g,h,i)perylene	25.81	276	14414	0.36	ng		96

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

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Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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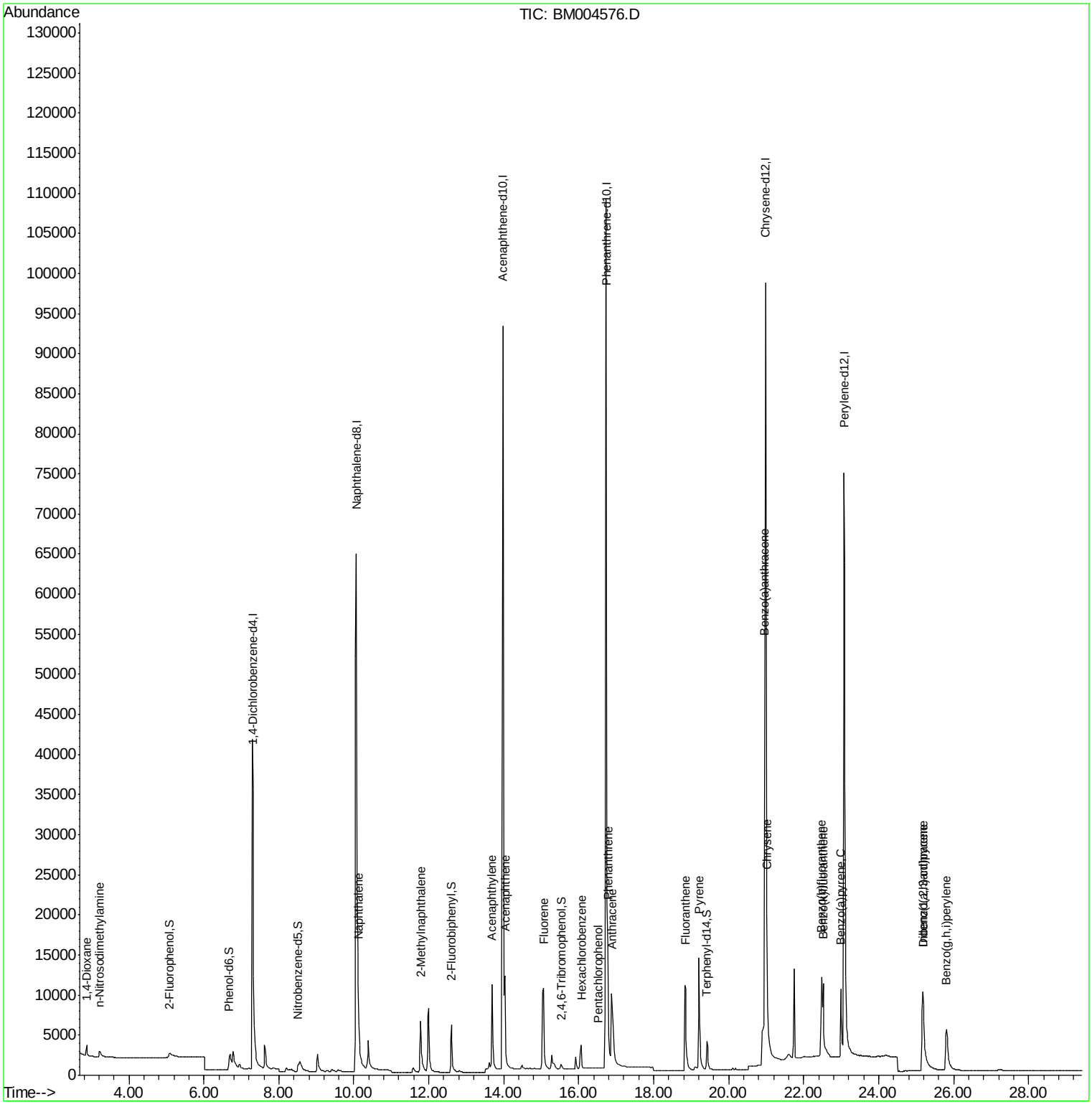
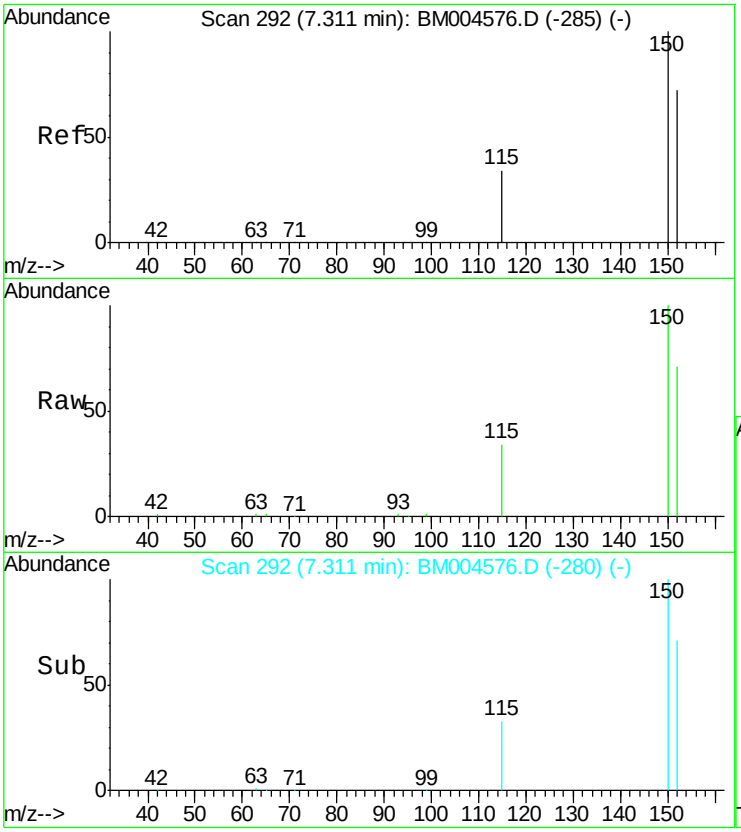
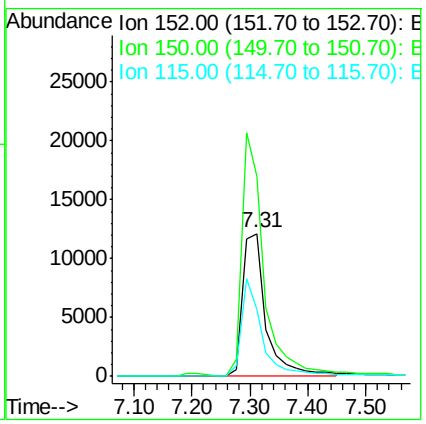




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.31 min Scan# 292
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:152 Resp: 33765

Ion	Ratio	Lower	Upper
152	100		
150	140.5	111.9	167.9
115	47.3	37.7	56.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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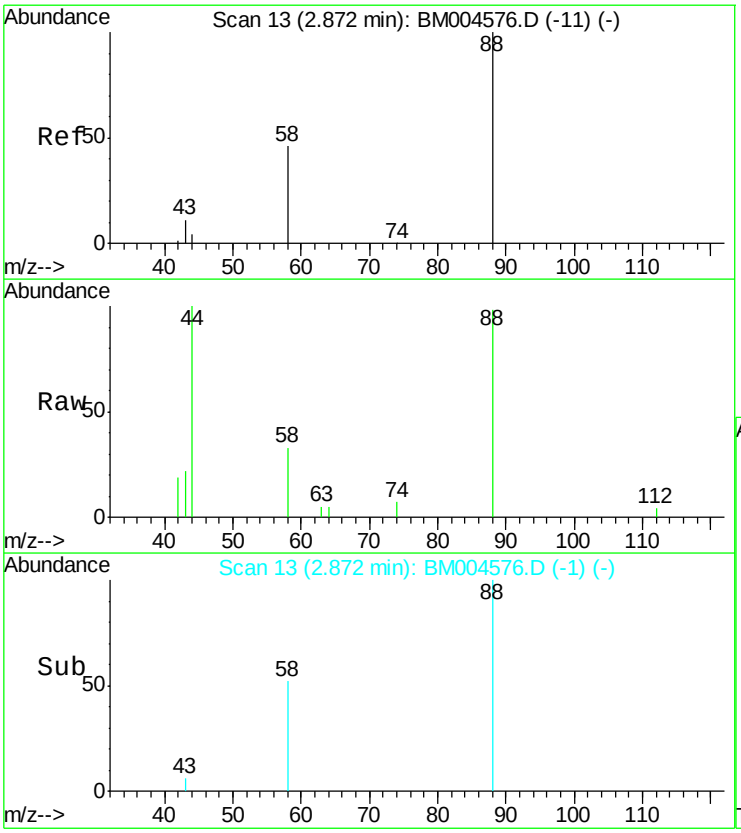
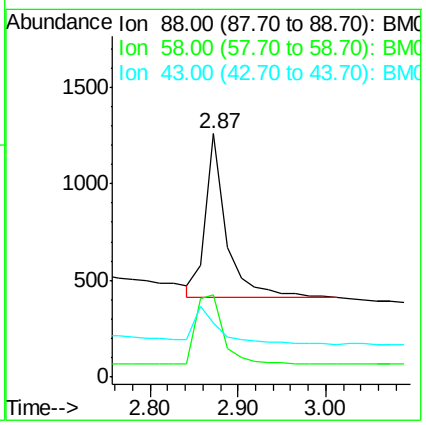
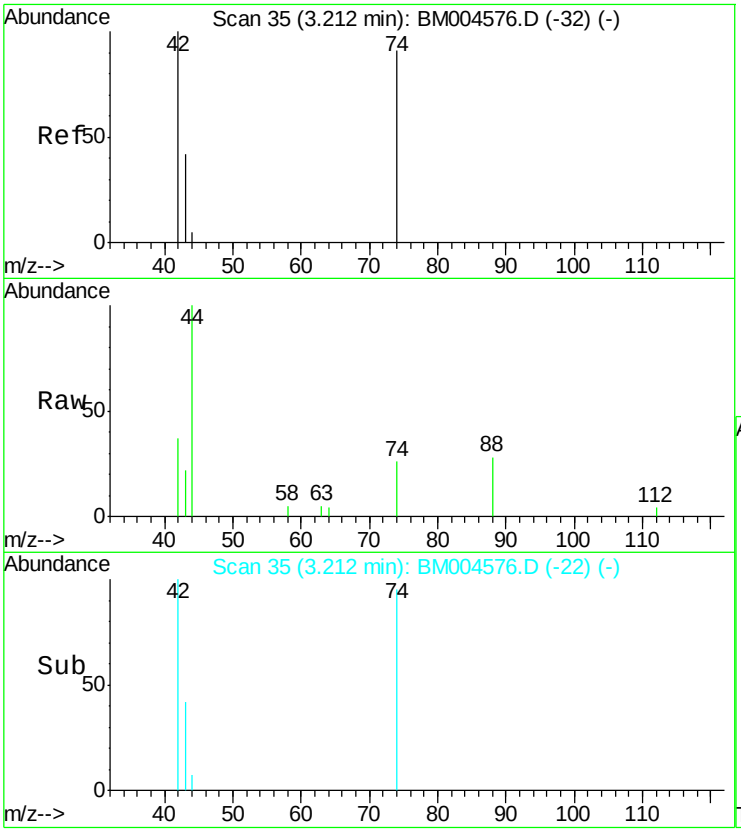


#2
1,4-Dioxane
Concen: 0.36 ng
RT: 2.87 min Scan# 13
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion: 88 Resp: 1421

Ion	Ratio	Lower	Upper
88	100		
58	54.5	45.4	68.0
43	29.1	19.3	28.9#

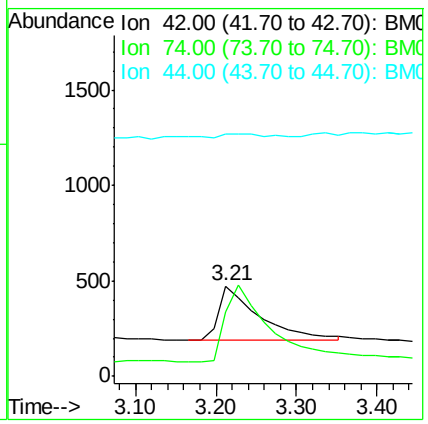




#3
n-Nitrosodimethylamine
Concen: 0.28 ng
RT: 3.21 min Scan# 35
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion: 42 Resp: 972

Ion	Ratio	Lower	Upper
42	100		
74	157.4	117.8	176.8
44	8.5	6.1	9.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

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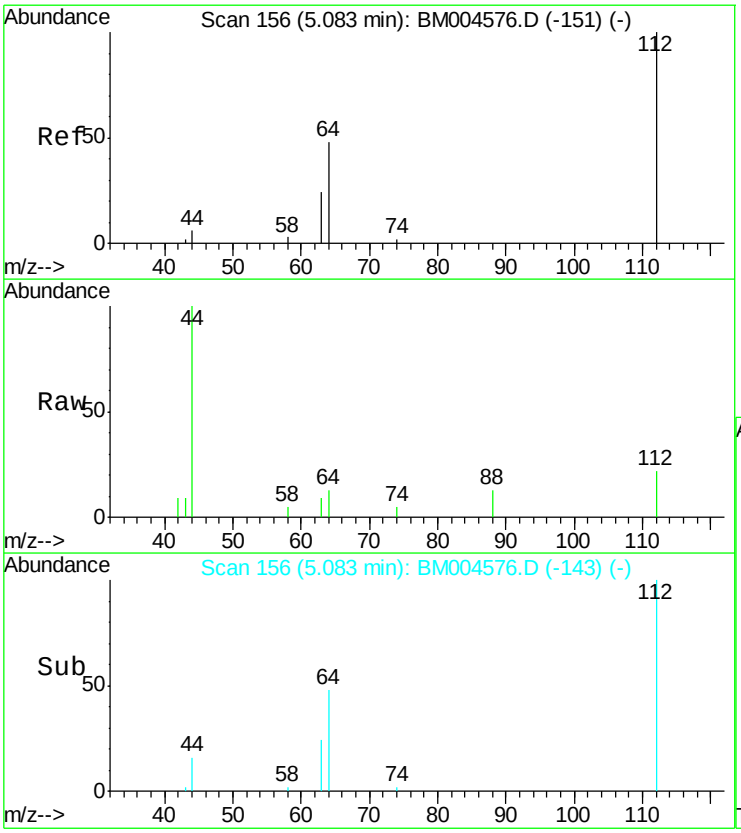
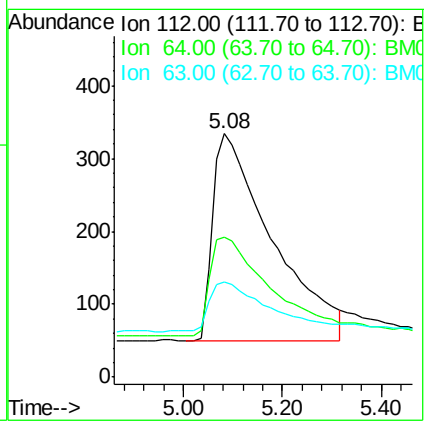
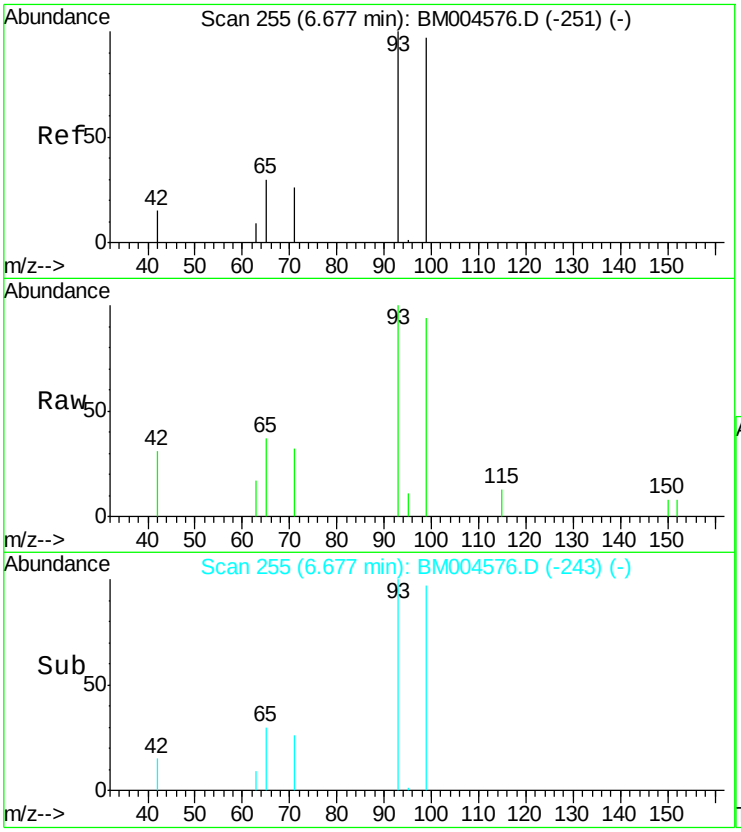


#4
2-Fluorophenol
Concen: 0.30 ng m
RT: 5.08 min Scan# 156
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:112 Resp: 2372

Ion	Ratio	Lower	Upper
112	100		
64	42.5	39.6	59.4
63	21.5	20.0	30.0

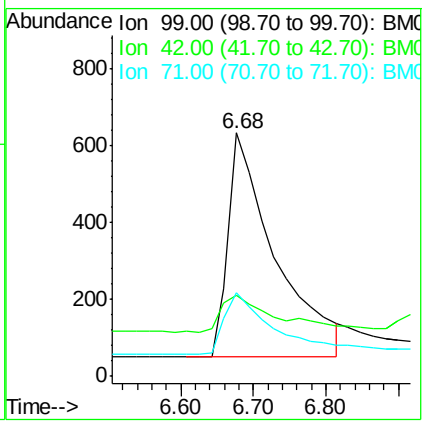




#5
Phenol-d6
Concen: 0.29 ng
RT: 6.68 min Scan# 255
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion: 99 Resp: 2611

Ion	Ratio	Lower	Upper
99	100		
42	18.8	12.2	18.2#
71	28.2	23.4	35.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

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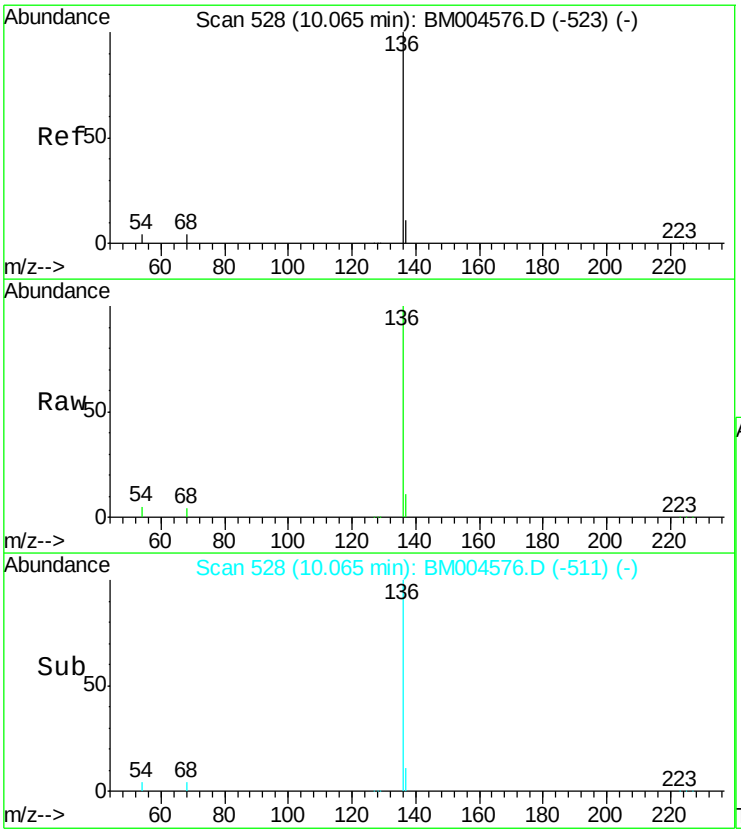
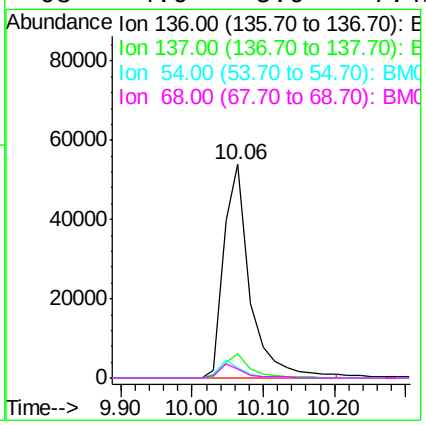
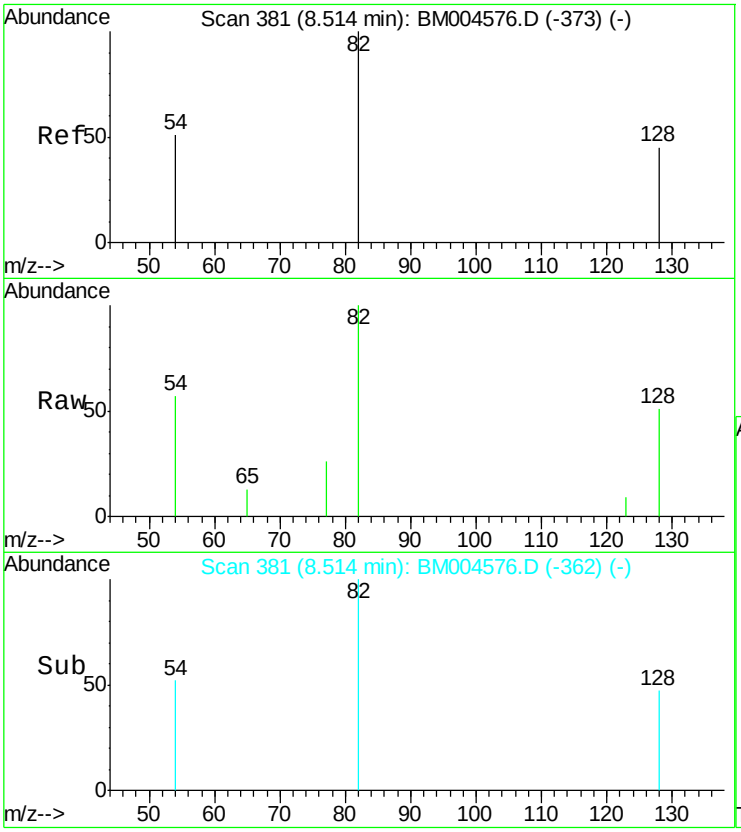


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.06 min Scan# 528
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:136 Resp: 129564

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.2
54	4.5	6.4	9.6#
68	4.0	5.0	7.4#

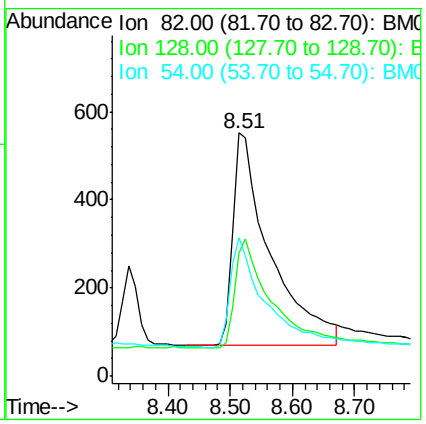




#7
Nitrobenzene-d5
Concen: 0.31 ng
RT: 8.51 min Scan# 381
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion: 82 Resp: 2025

Ion	Ratio	Lower	Upper
82	100		
128	50.7	43.7	65.5
54	56.9	33.5	50.3#



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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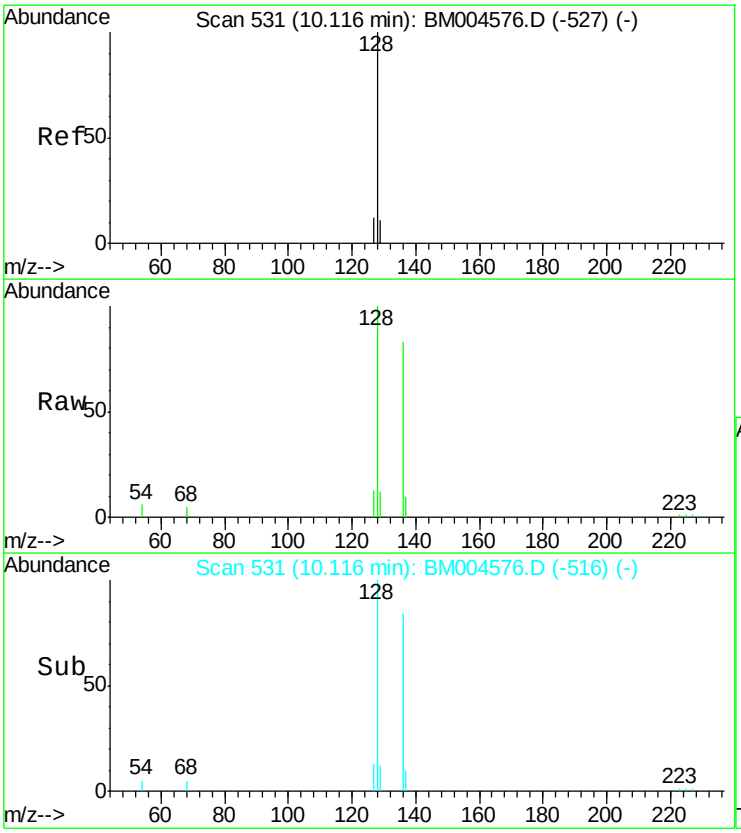
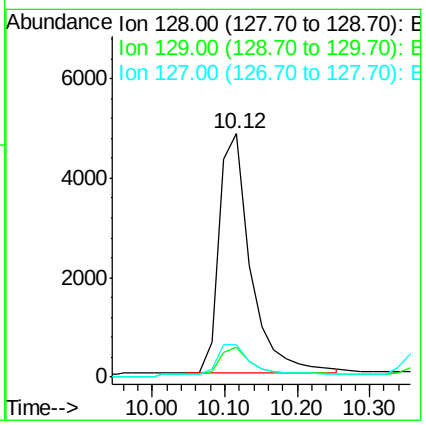
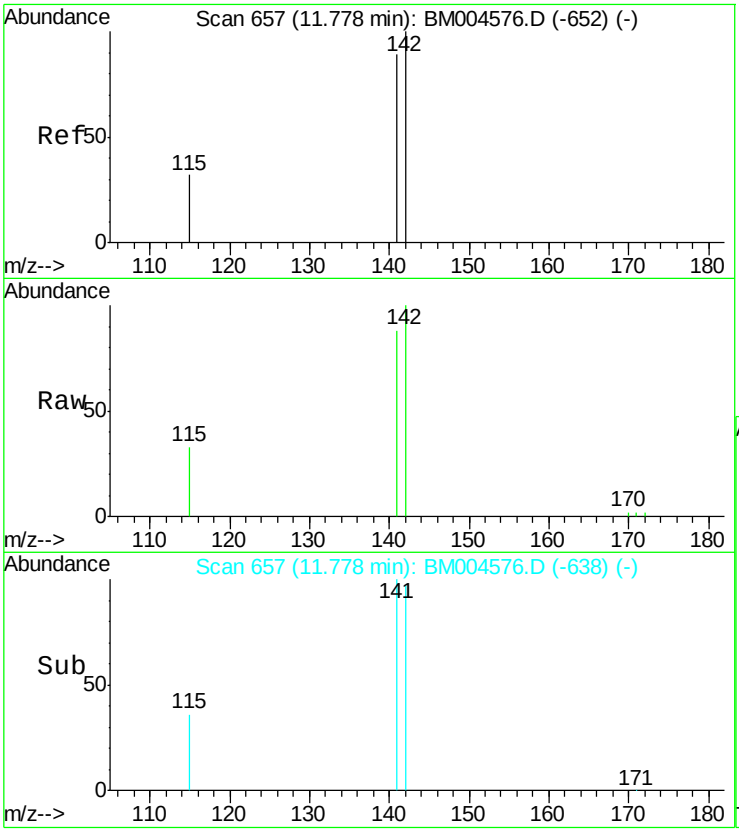


#8
Naphthalene
Concen: 0.36 ng
RT: 10.12 min Scan# 531
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:128 Resp: 14610

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.9	13.3
127	13.1	10.9	16.3

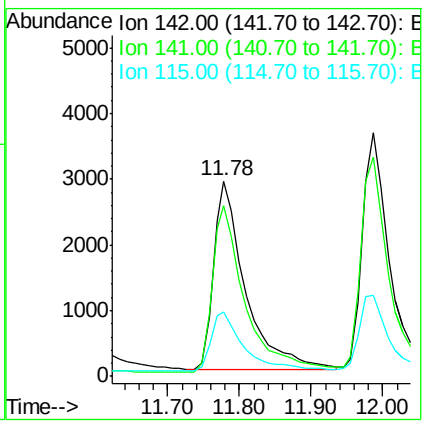




#9
2-Methylnaphthalene
Concen: 0.39 ng
RT: 11.78 min Scan# 657
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:142 Resp: 8803

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.2
115	33.3	25.8	38.6



Instrument :
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ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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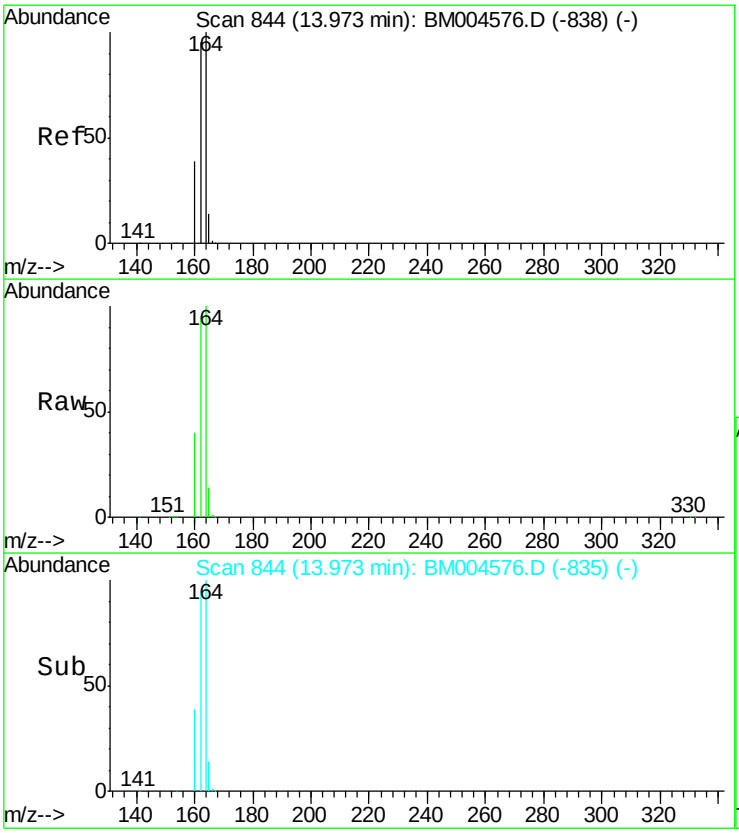
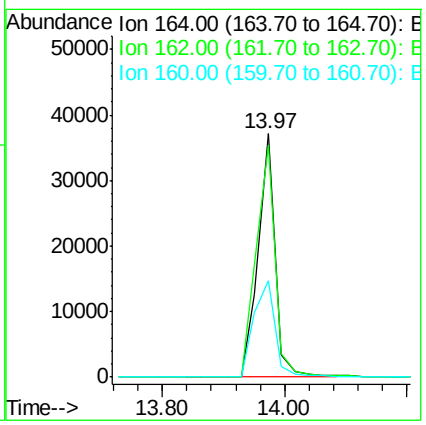
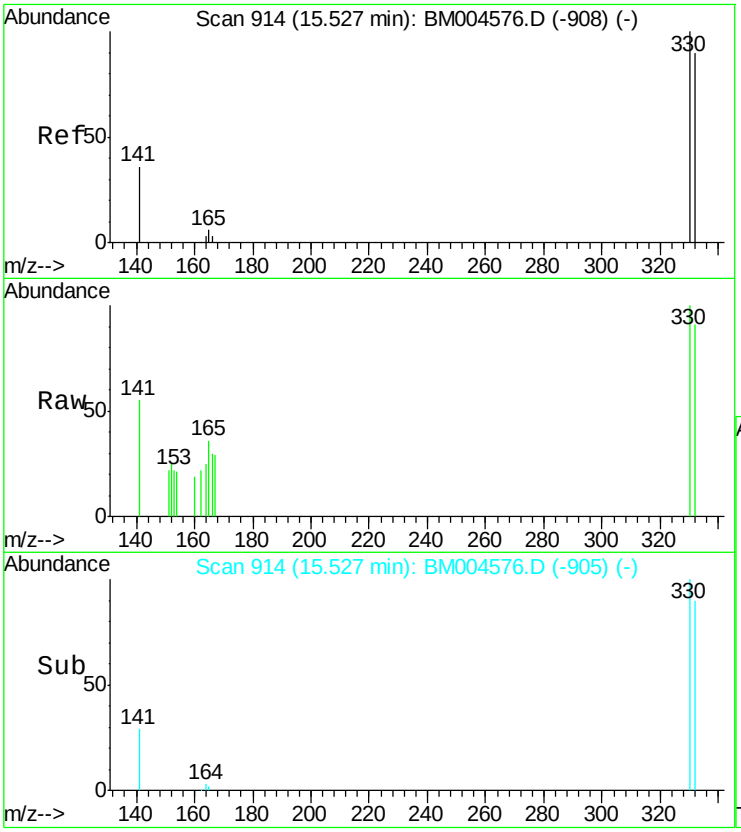


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.97 min Scan# 844
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:164 Resp: 72860

Ion	Ratio	Lower	Upper
164	100		
162	95.5	84.2	126.4
160	39.5	37.4	56.2





#11
2,4,6-Tribromophenol
Concen: 0.24 ng
RT: 15.53 min Scan# 914
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:330 Resp: 675

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.1	114.1
141	0.0	16.0	24.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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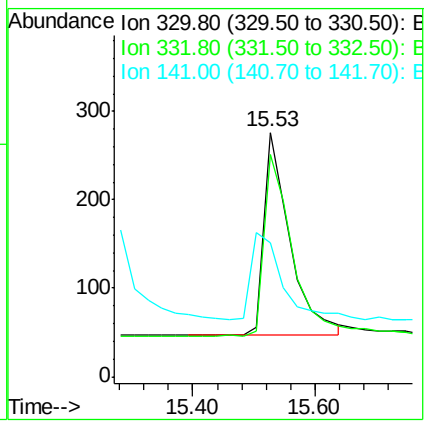
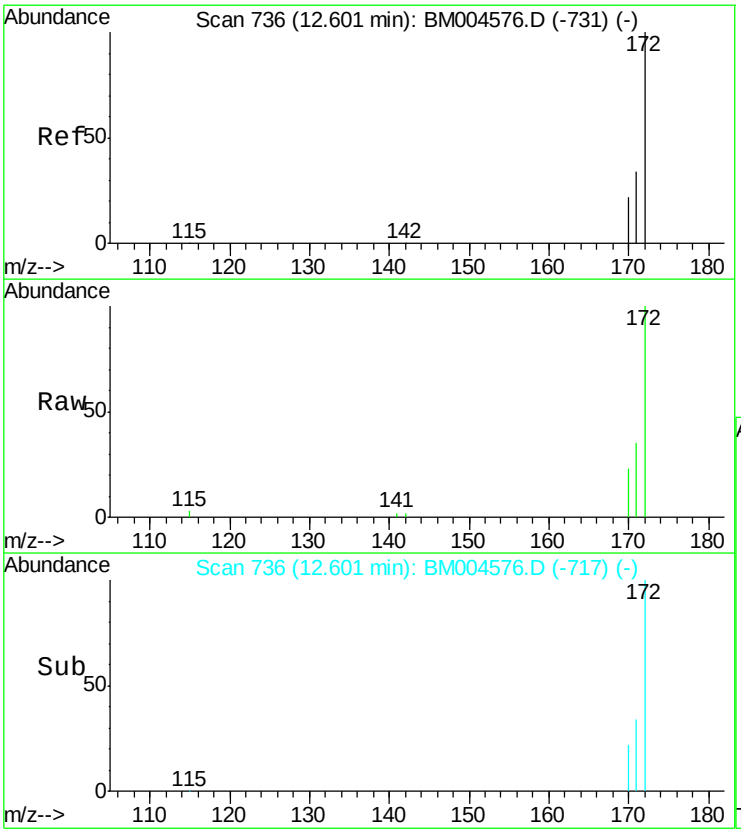
3/9/2016 5:54:41 PM

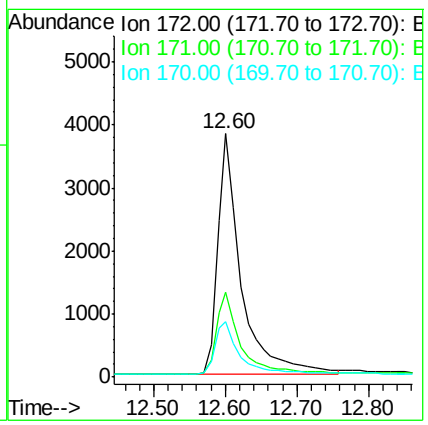


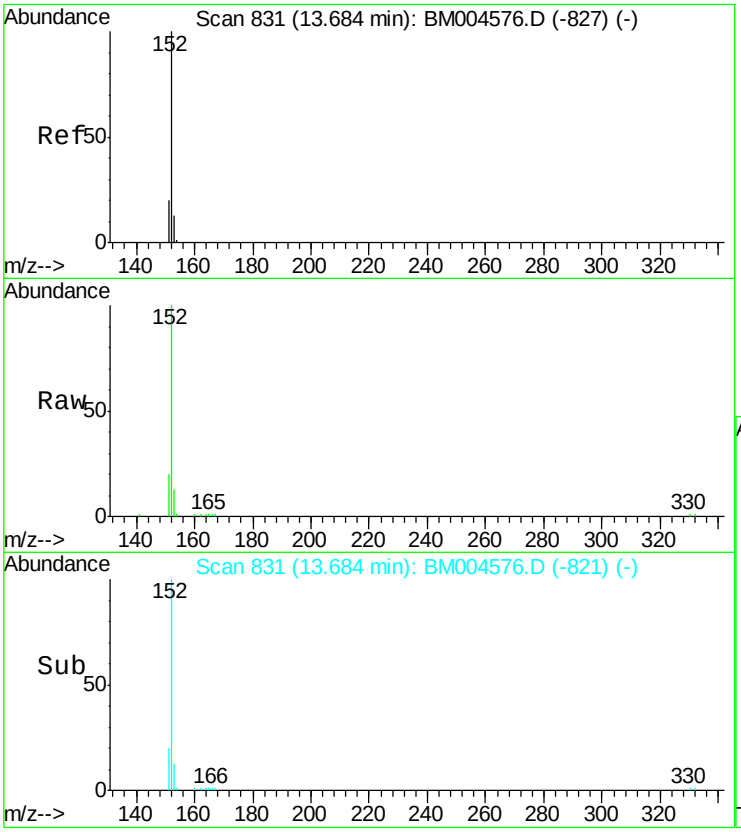


#12
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 12.60 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:172 Resp: 8681

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.2	43.8
170	22.9	19.7	29.5

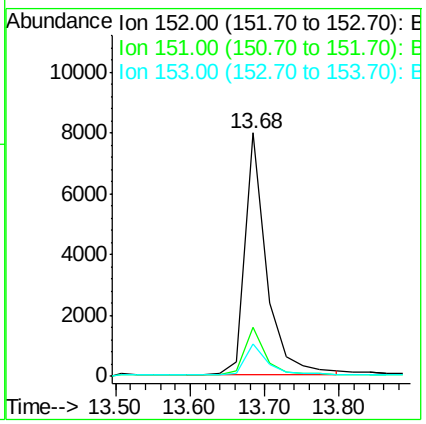




#13
Acenaphthylene
Concen: 0.38 ng
RT: 13.68 min Scan# 831
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:152 Resp: 15763

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.6
153	13.0	10.2	15.4



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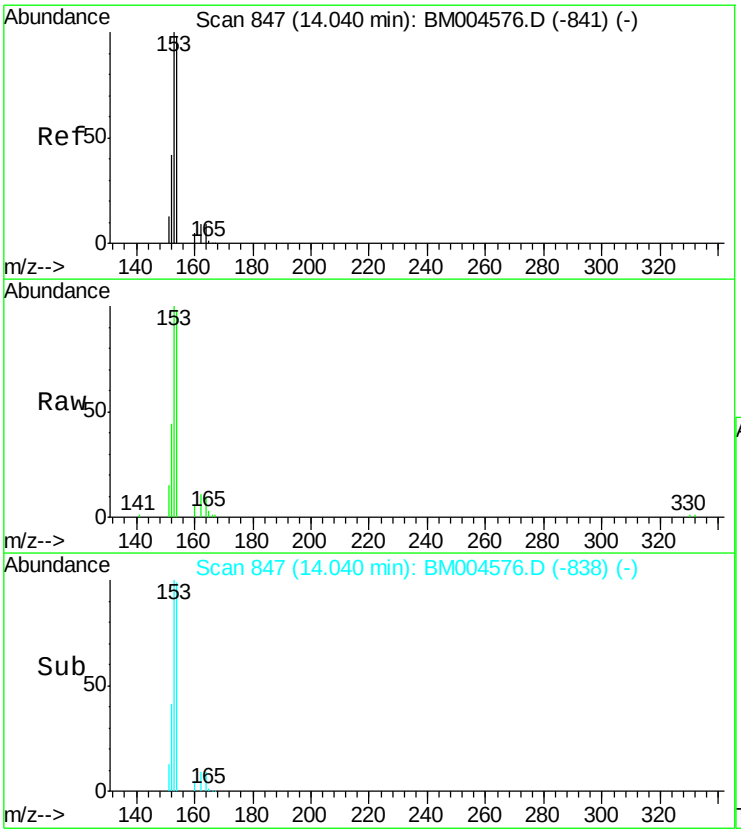
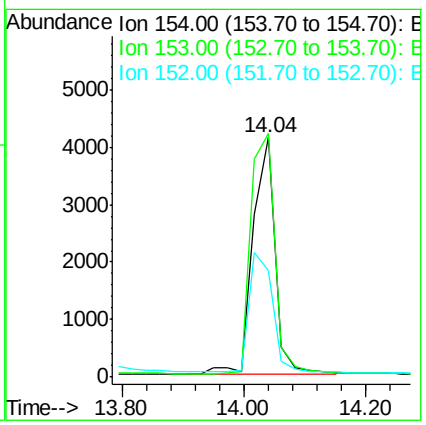
3/9/2016 5:54:41 PM

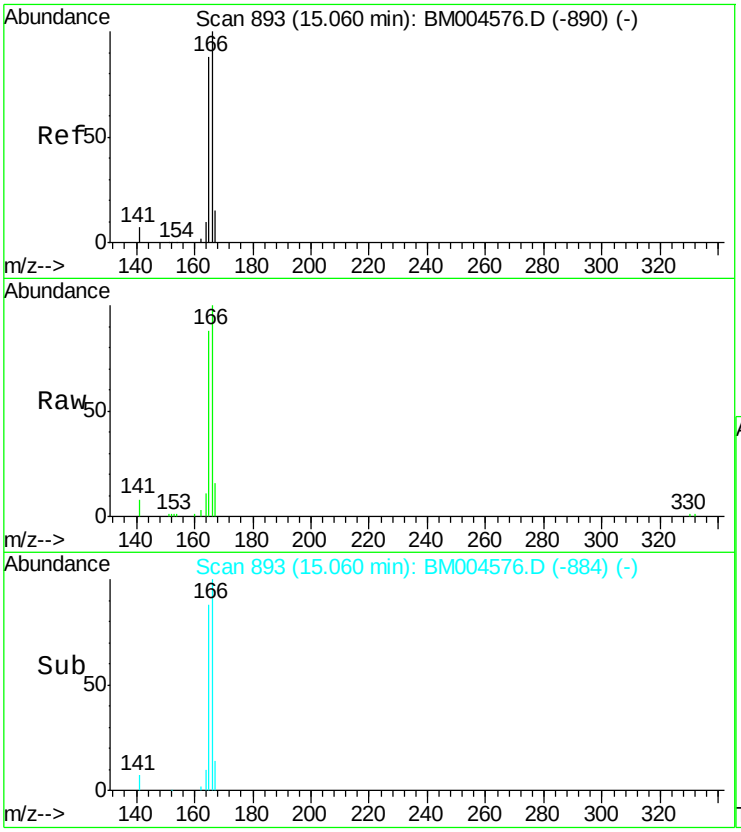


#14
Acenaphthene
Concen: 0.38 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:154 Resp: 10413

Ion	Ratio	Lower	Upper
154	100		
153	110.5	88.0	132.0
152	0.0	41.1	61.7#

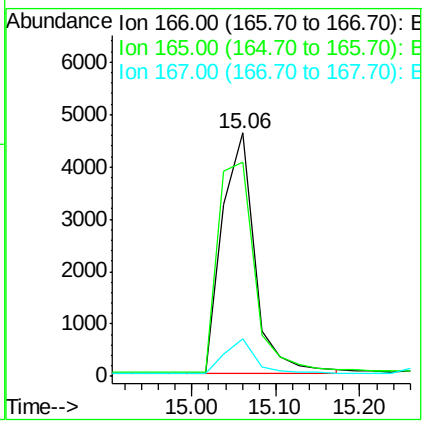




#15
Fluorene
Concen: 0.37 ng
RT: 15.06 min Scan# 893
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:166 Resp: 12296

Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.2	115.8
167	13.3	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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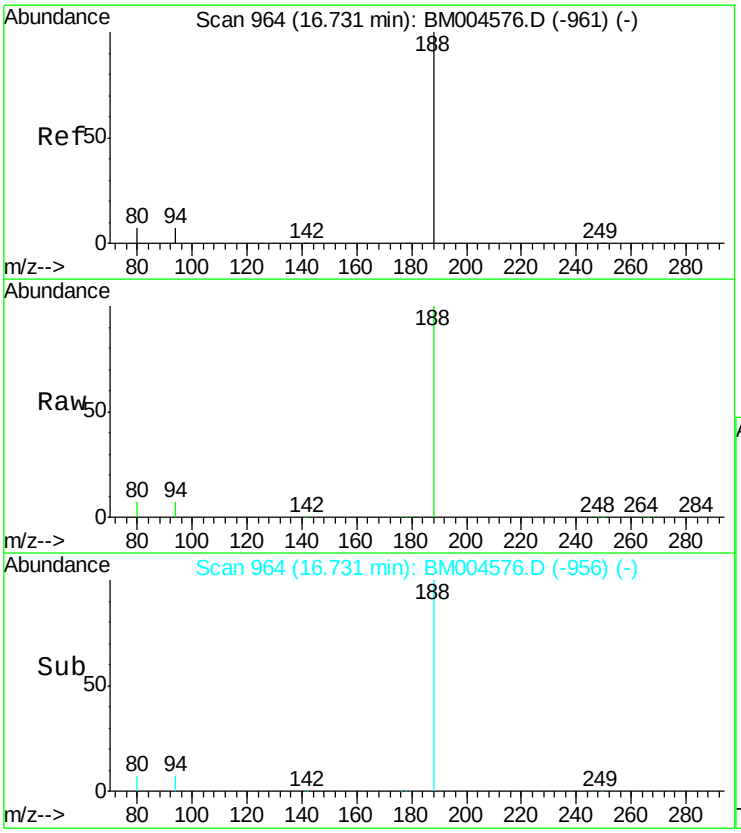
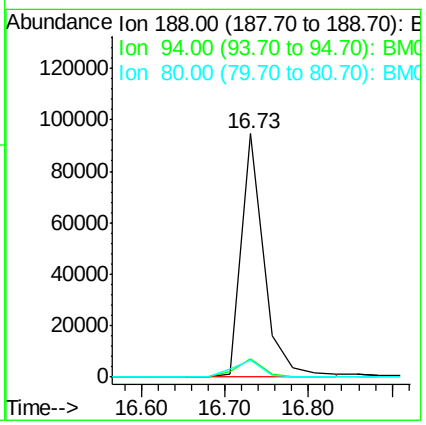
3/9/2016 5:54:41 PM

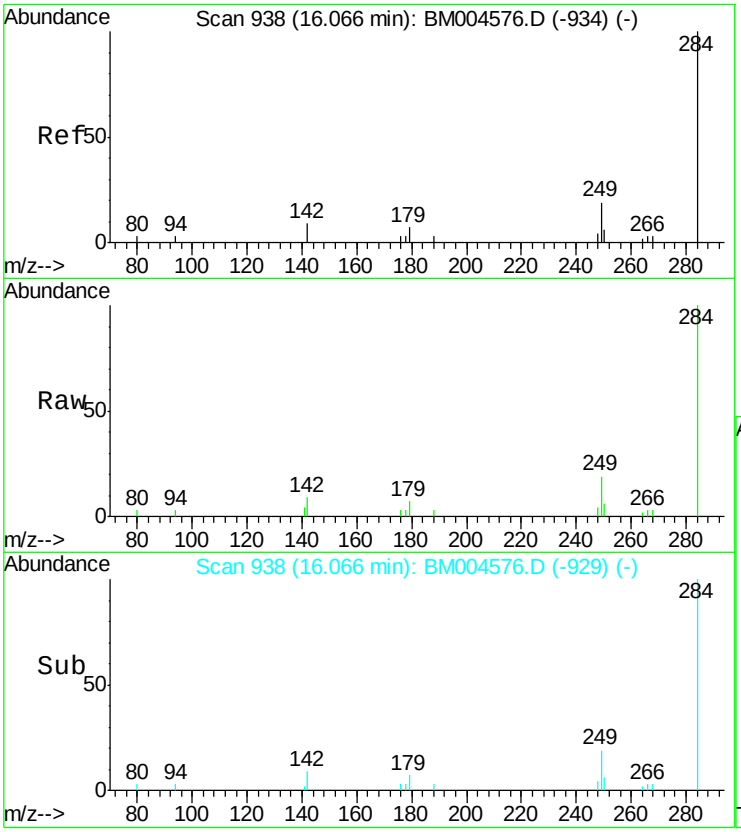


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:188 Resp: 181297

Ion	Ratio	Lower	Upper
188	100		
94	7.5	7.4	11.0
80	7.0	6.9	10.3

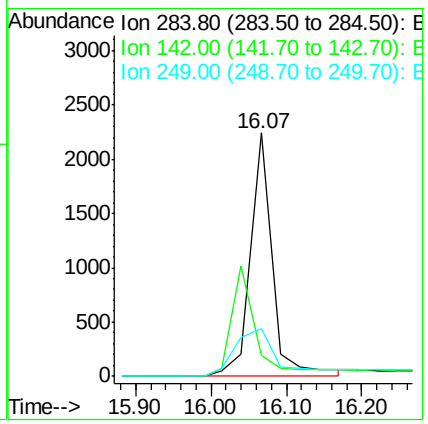




#17
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.07 min Scan# 938
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:284 Resp: 4314

Ion	Ratio	Lower	Upper
284	100		
142	0.0	20.8	31.2#
249	39.9	24.0	36.0#



Instrument :
BNA_M
ClientSampleId :
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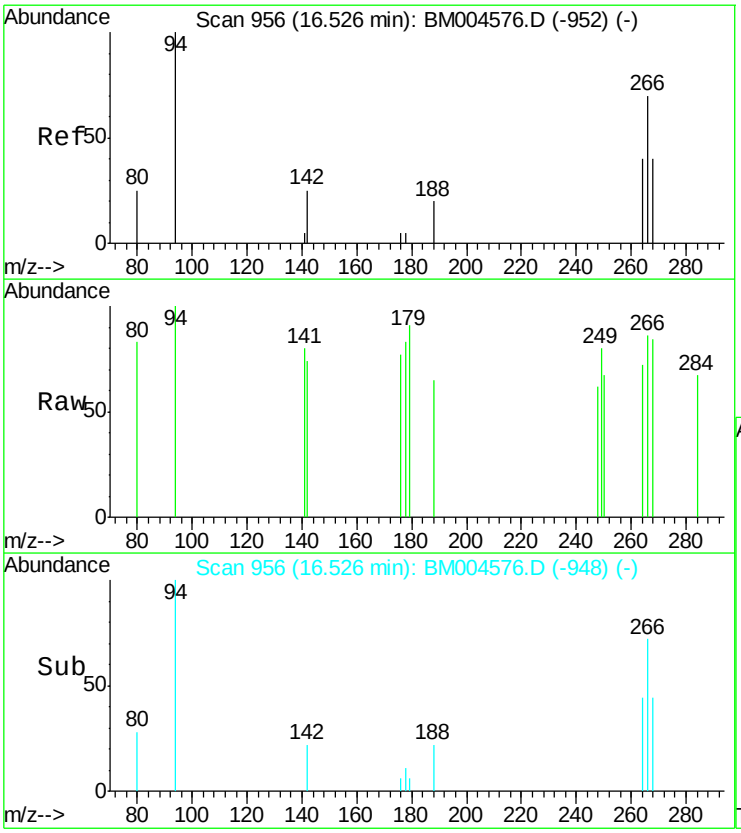
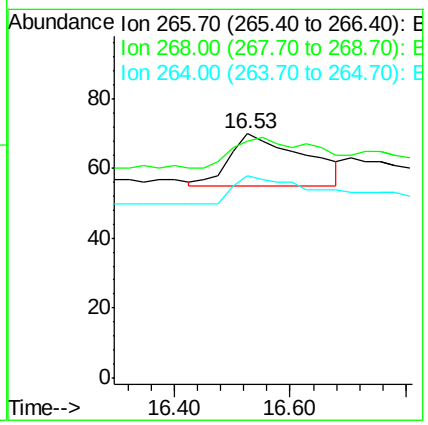
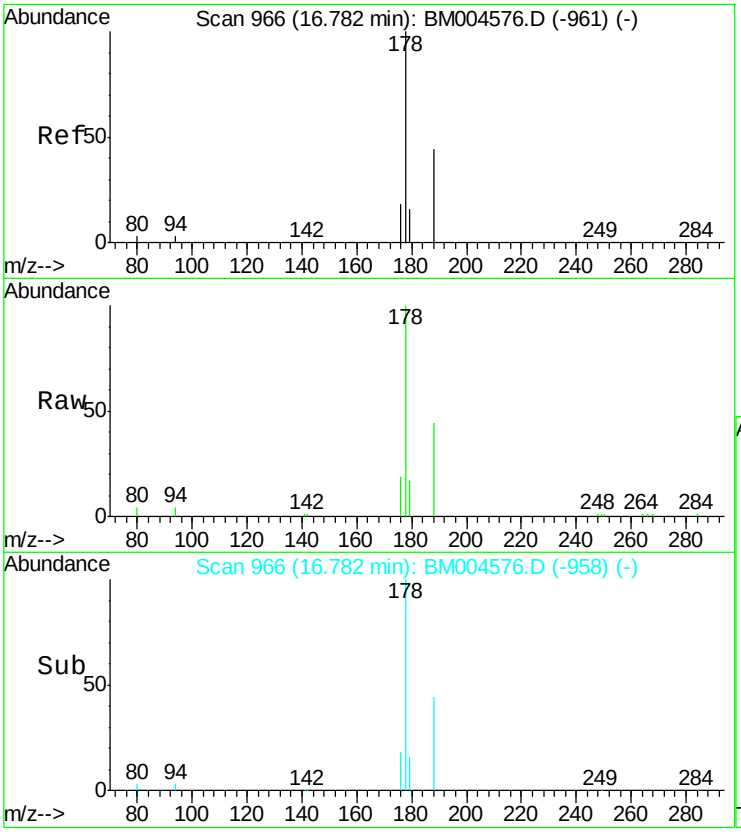


#18
Pentachlorophenol
Concen: 0.05 ng m
RT: 16.53 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:266 Resp: 135

Ion	Ratio	Lower	Upper
266	100		
268	97.1	60.7	91.1#
264	82.9	57.1	85.7

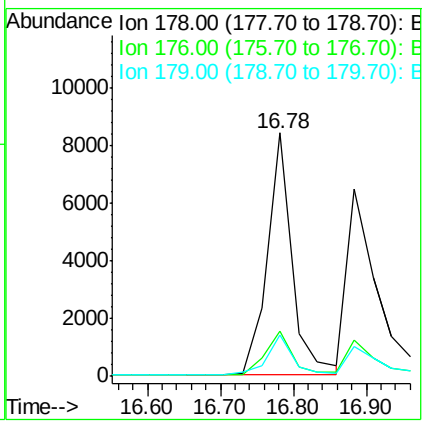




#19
Phenanthrene
Concen: 0.31 ng
RT: 16.78 min Scan# 966
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:178 Resp: 19702

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.9	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

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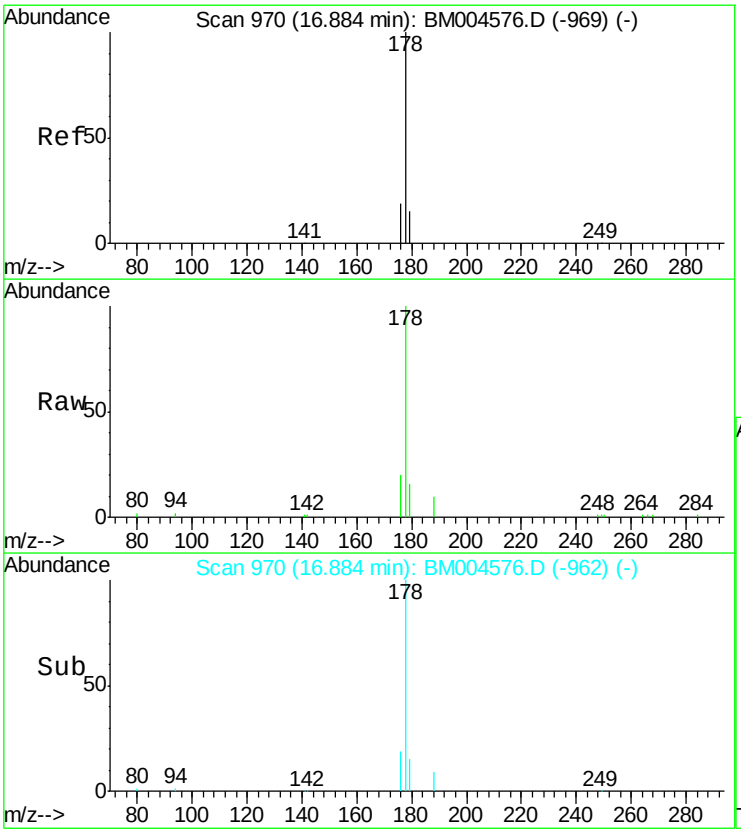
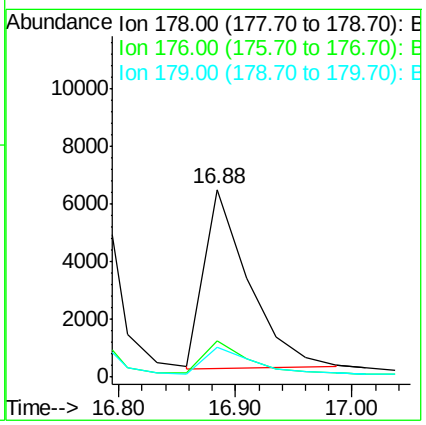
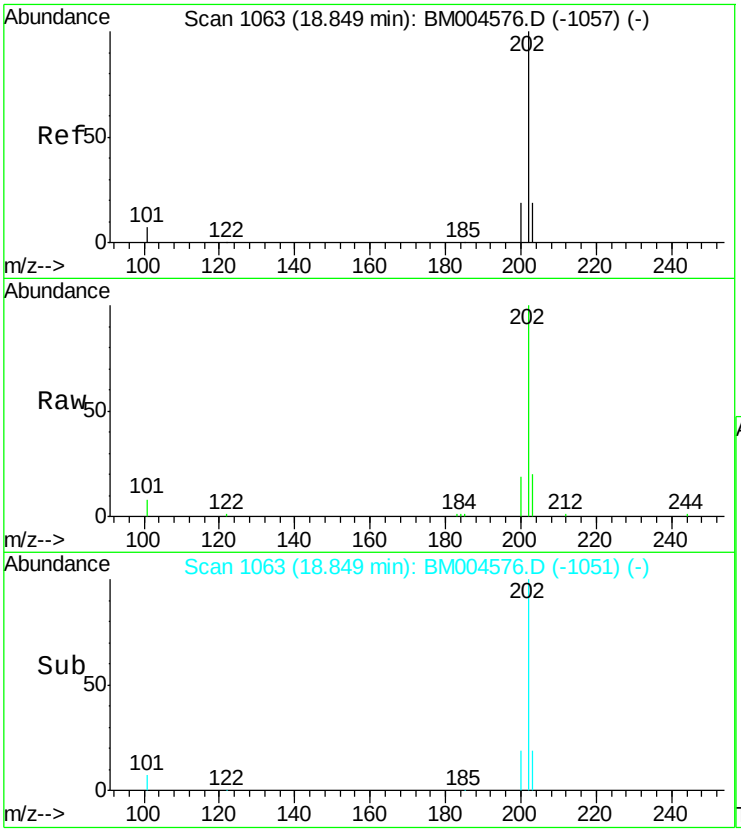


#20
Anthracene
Concen: 0.31 ng
RT: 16.88 min Scan# 970
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:178 Resp: 16578

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.2	13.6	20.4

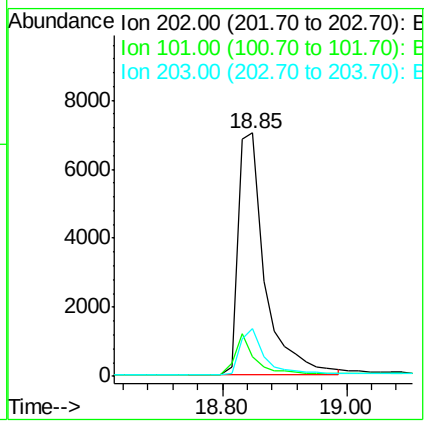




#21
Fluoranthene
Concen: 0.30 ng
RT: 18.85 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:202 Resp: 20847

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.4	14.2
203	17.4	13.9	20.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

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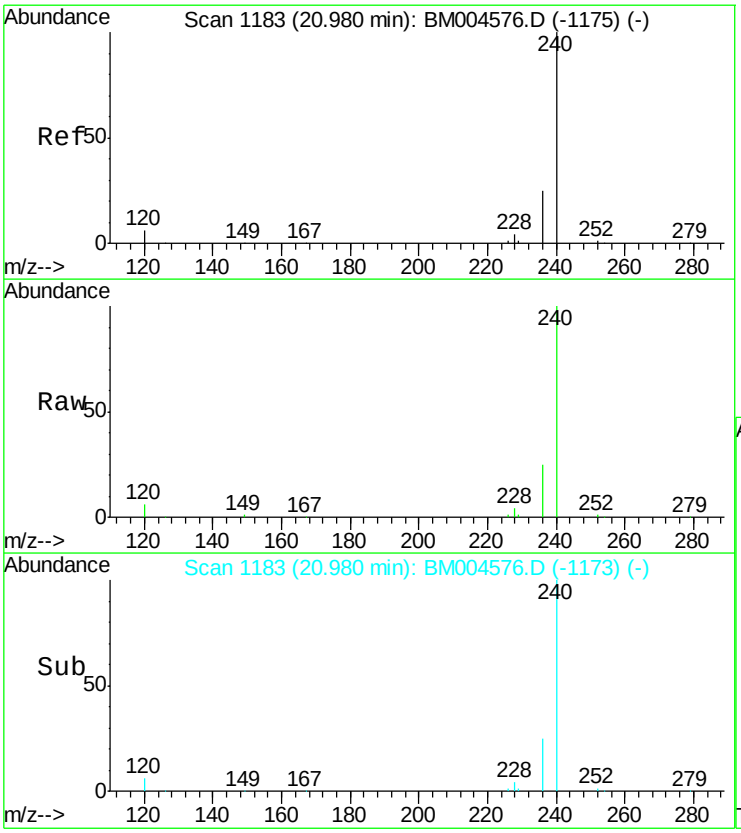
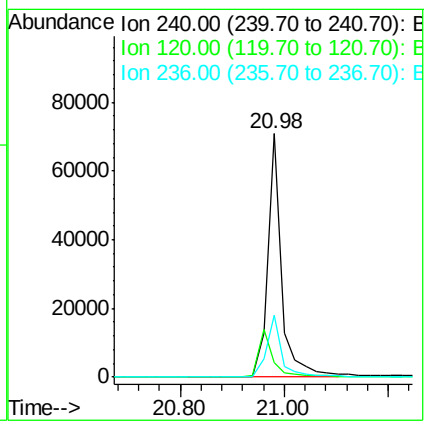
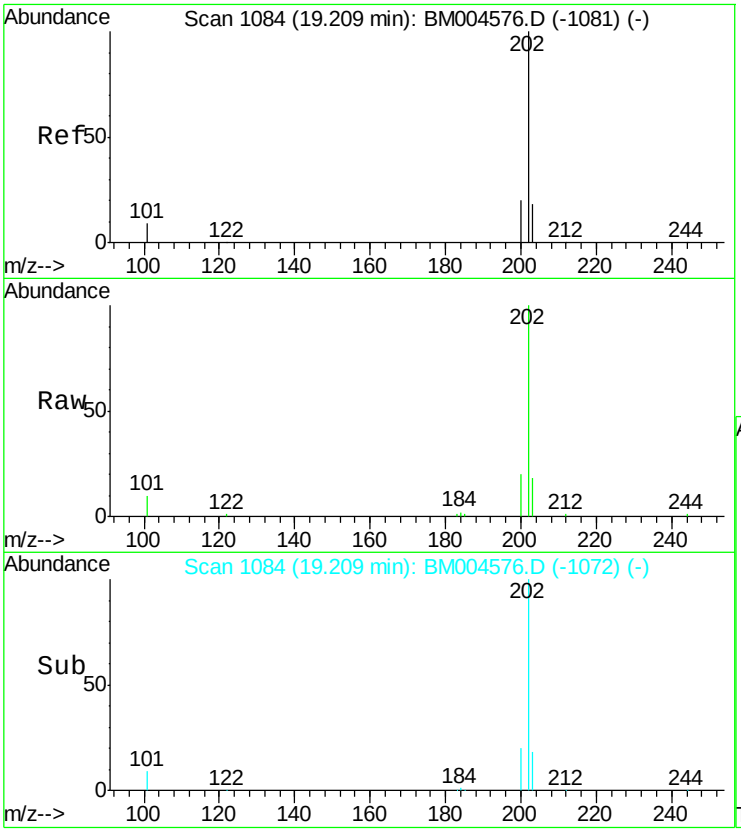


#22
Chrysene-d12
Concen: 5.00 ng
RT: 20.98 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:240 Resp: 132912

Ion	Ratio	Lower	Upper
240	100		
120	6.0	6.1	9.1#
236	25.4	22.6	34.0





#23
Pyrene
Concen: 0.41 ng
RT: 19.21 min Scan# 1084
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:202 Resp: 21480

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	17.4	14.1	21.1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

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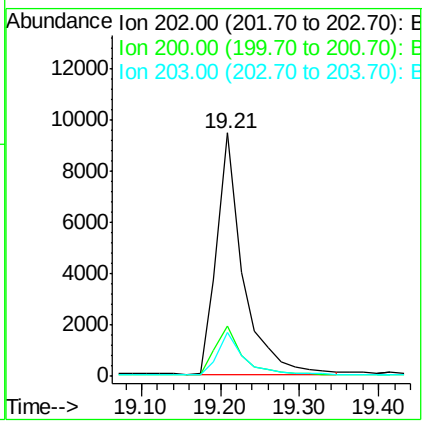
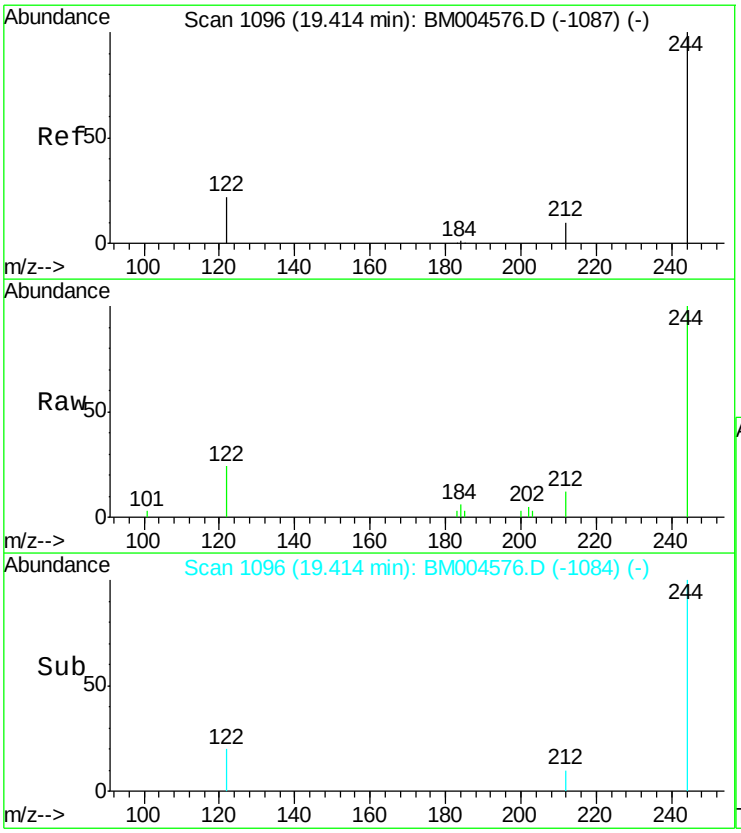
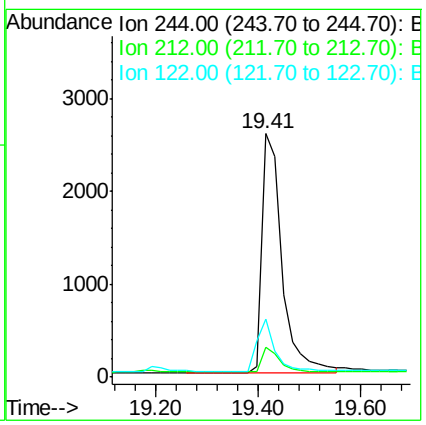


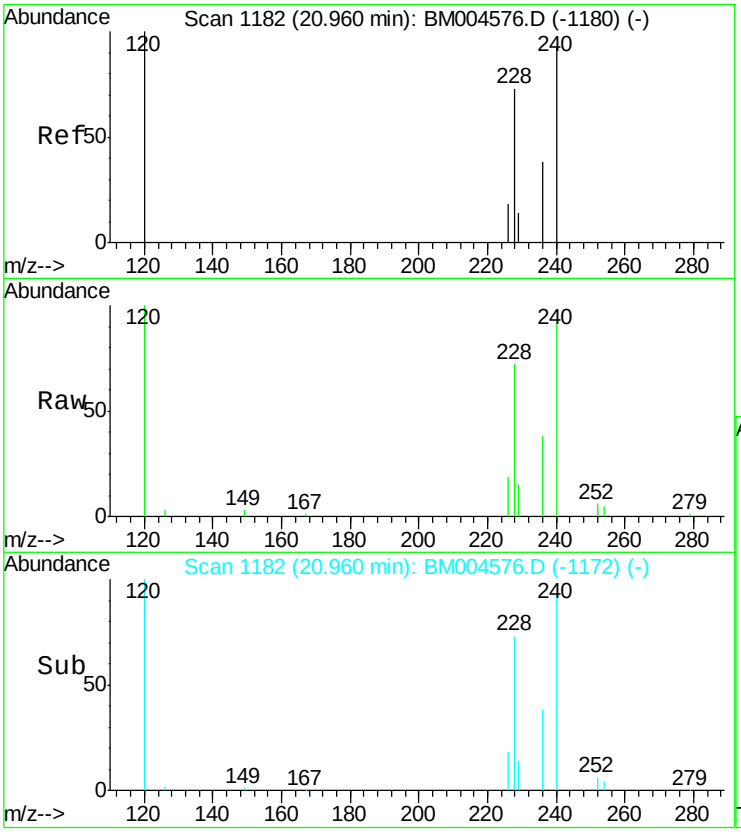


#24
Terphenyl-d14
Concen: 0.40 ng
RT: 19.41 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:244 Resp: 6892

Ion	Ratio	Lower	Upper
244	100		
212	12.2	7.5	11.3#
122	24.0	4.2	6.2#

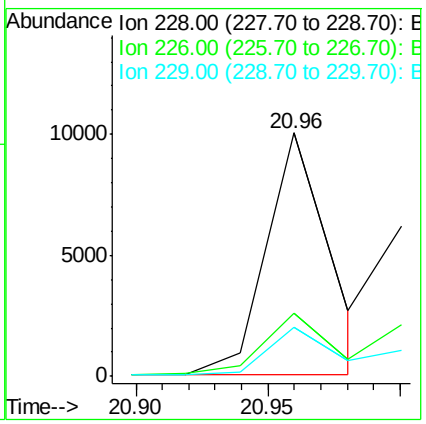




#25
Benzo(a)anthracene
Concen: 0.34 ng m
RT: 20.96 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:228 Resp: 16666

Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.8	34.2
229	20.1	14.6	22.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

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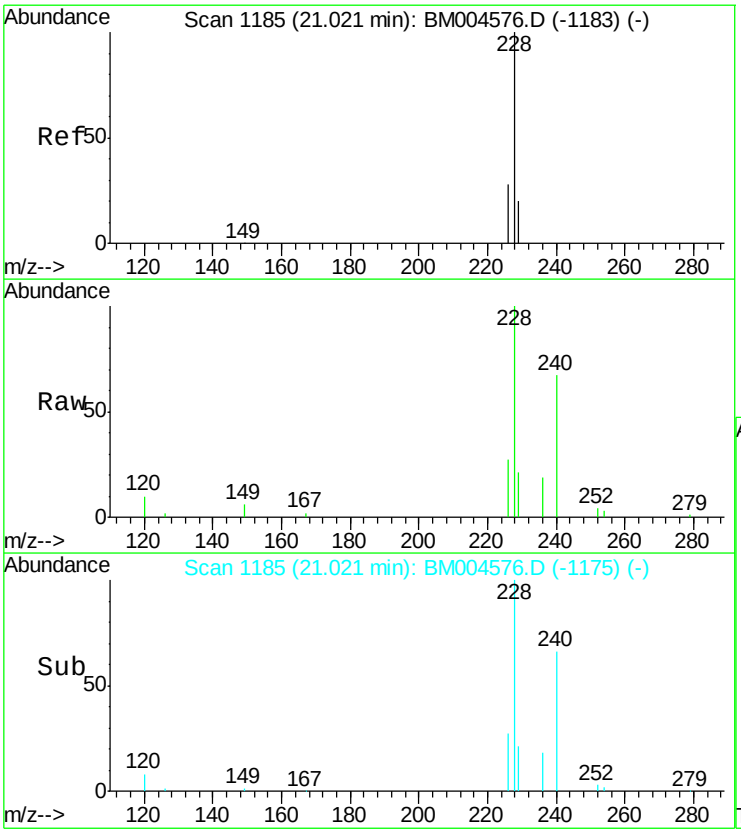
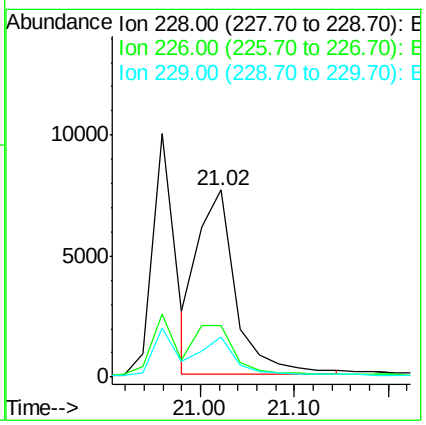
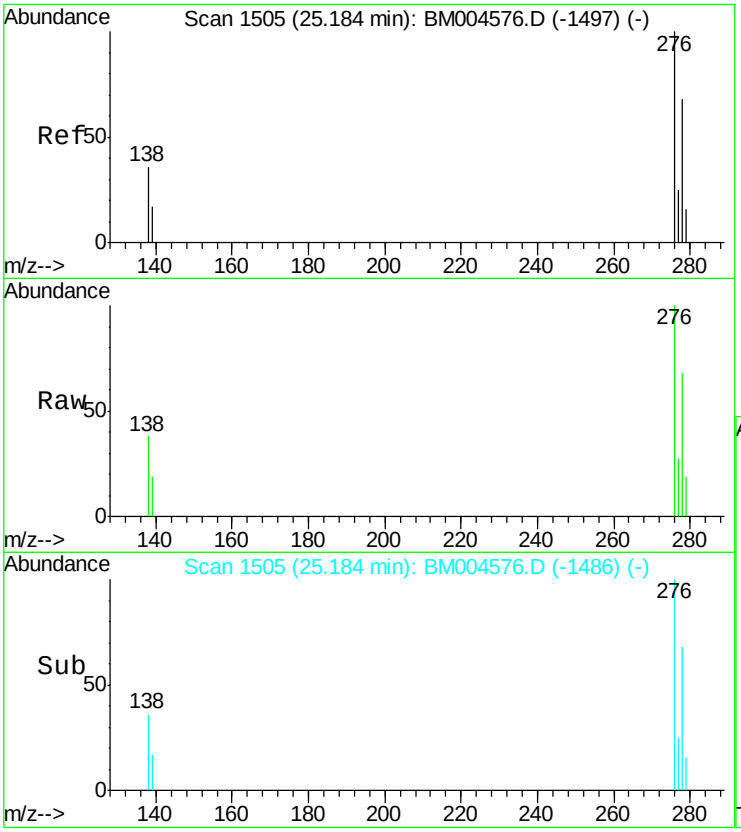


#26
Chrysene
Concen: 0.22 ng m
RT: 21.02 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:228 Resp: 21521

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	21.2	17.1	25.7

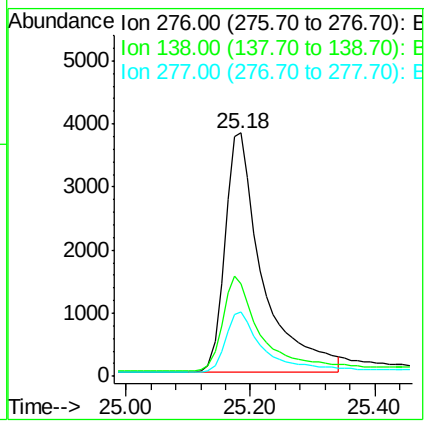




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng
RT: 25.18 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:276 Resp: 16082

Ion	Ratio	Lower	Upper
276	100		
138	39.5	30.4	45.6
277	24.8	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

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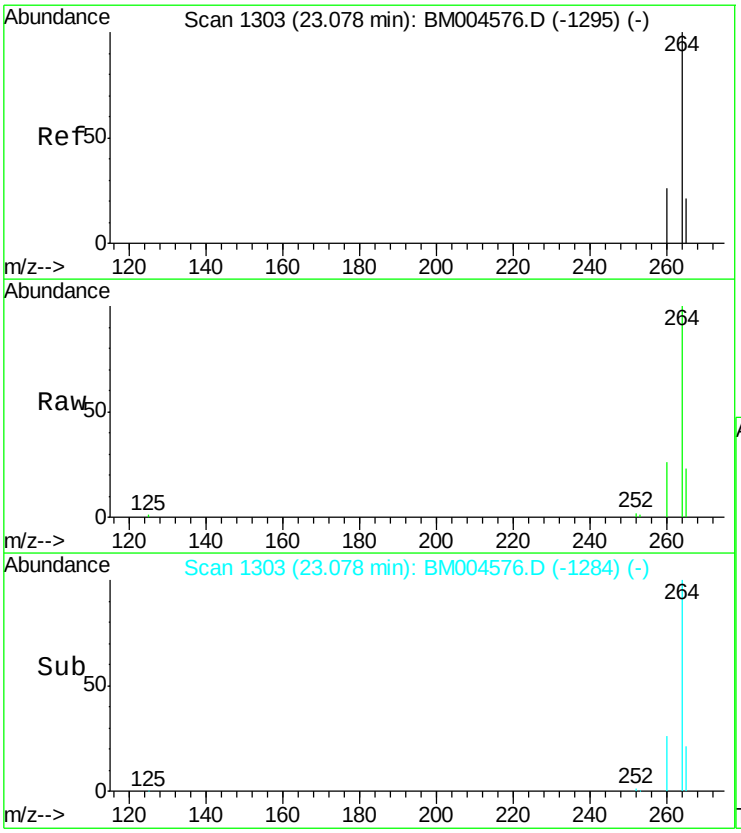
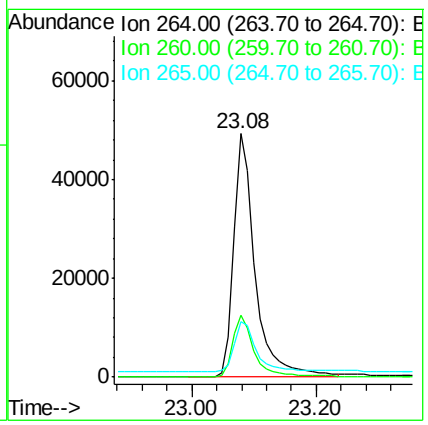
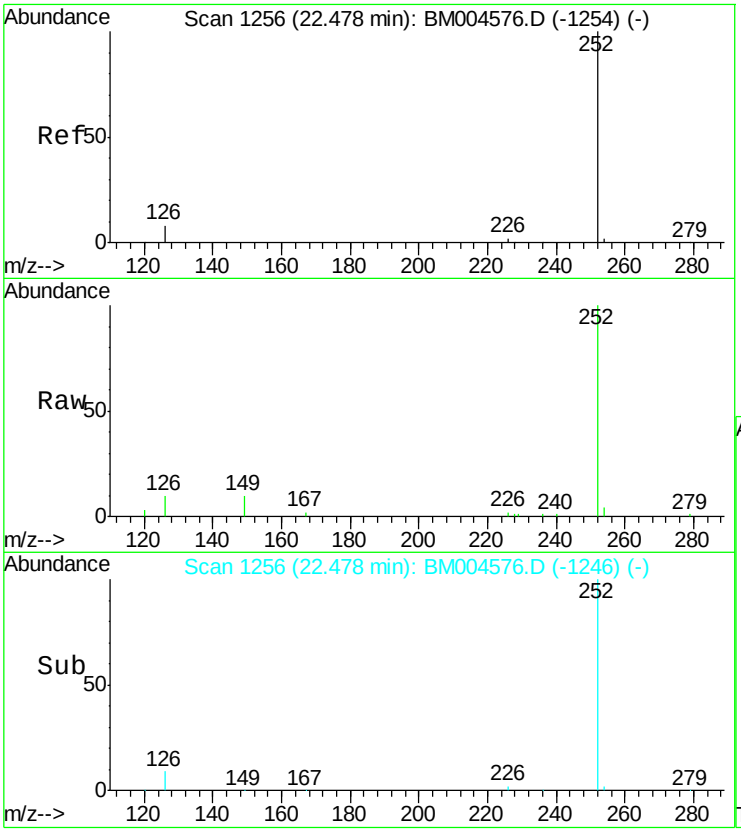


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.08 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:264 Resp: 118840

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.8	29.6
265	22.9	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: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:252 Resp: 18349

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

Instrument :
BNA_M
ClientSampleId :
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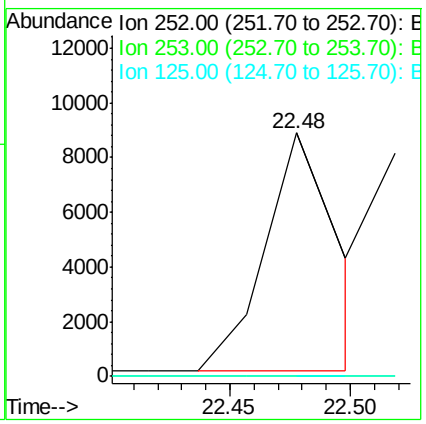
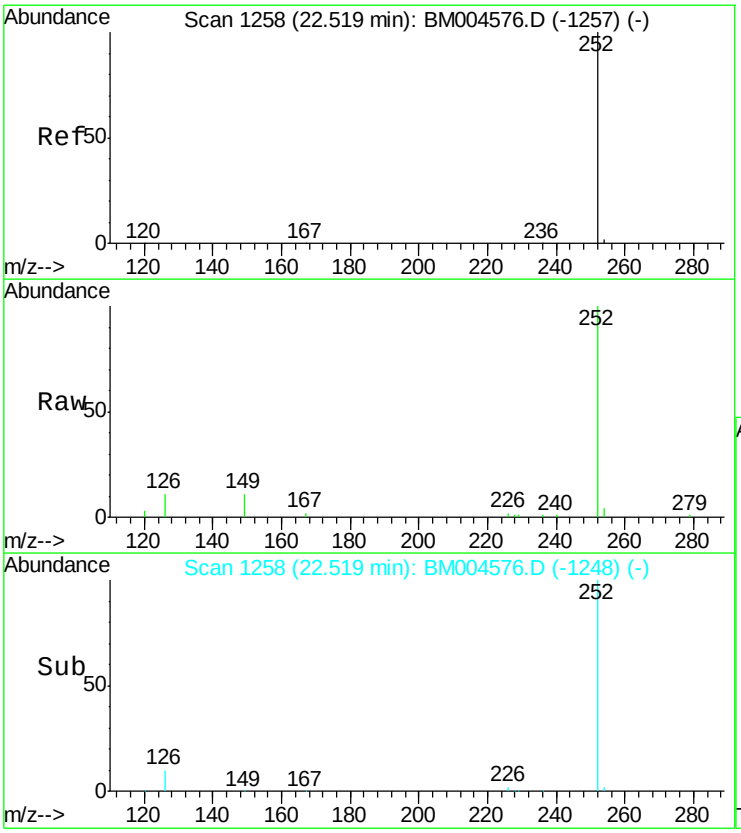
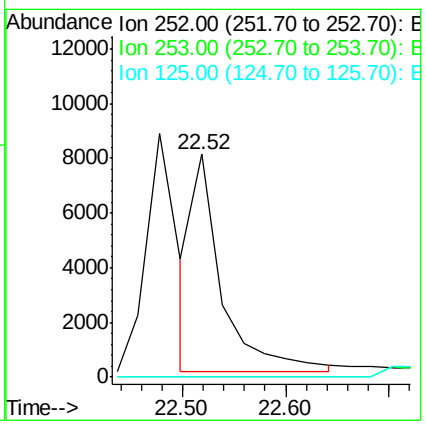


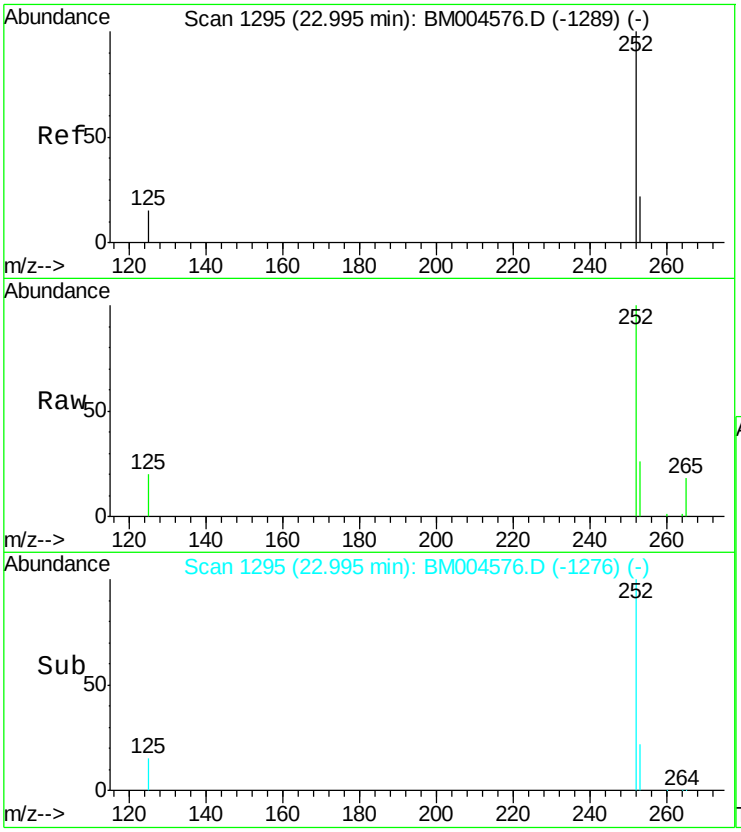


#30
Benzo(k)fluoranthene
Concen: 0.36 ng m
RT: 22.52 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:252 Resp: 16225

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

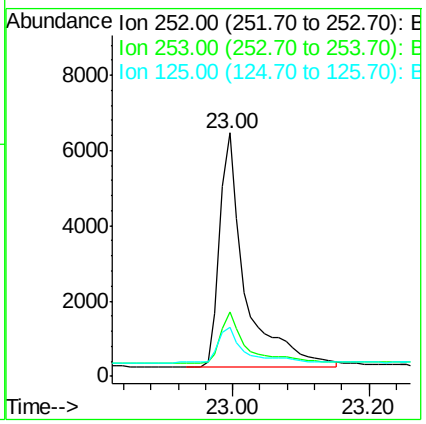




#31
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.00 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:252 Resp: 16132

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.0	27.0
125	20.1	14.3	21.5



Instrument :
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ClientSampleId :
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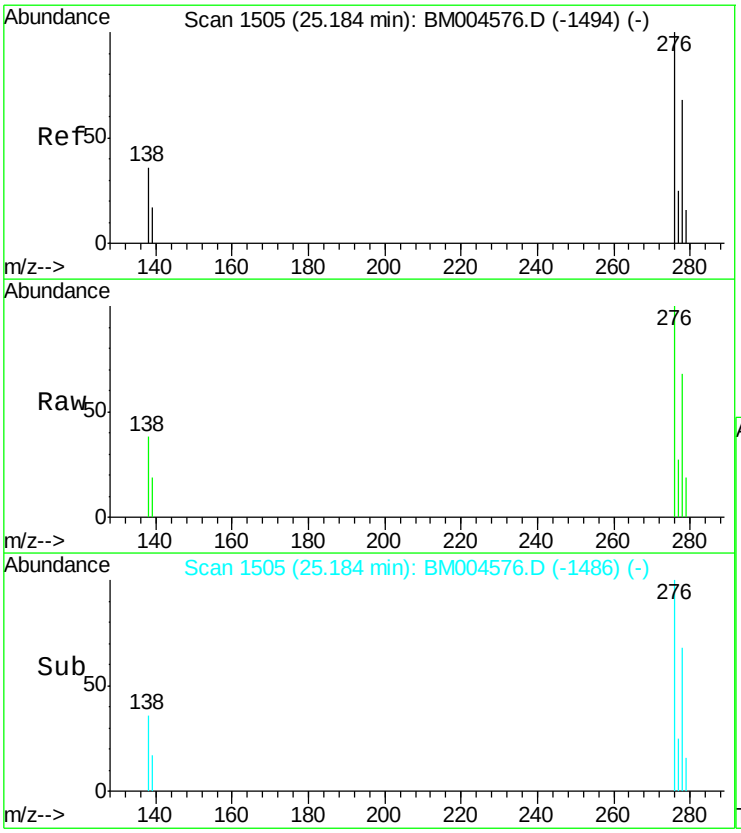
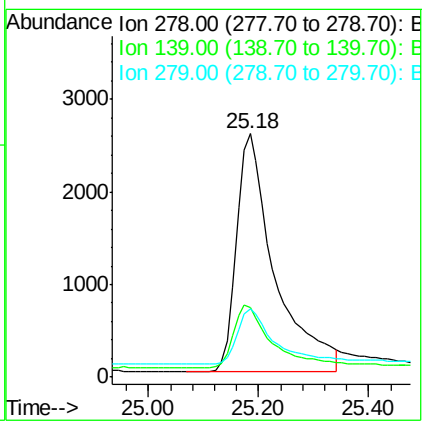
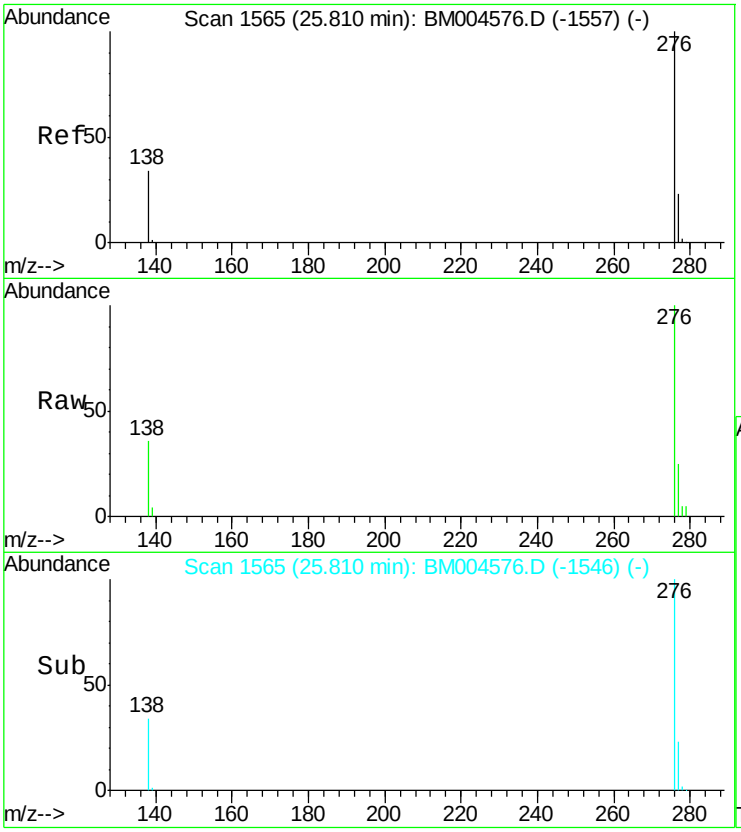


#32
Dibenzo(a,h)anthracene
Concen: 0.34 ng
RT: 25.18 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:278 Resp: 12380

Ion	Ratio	Lower	Upper
278	100		
139	28.5	21.2	31.8
279	28.1	19.6	29.4

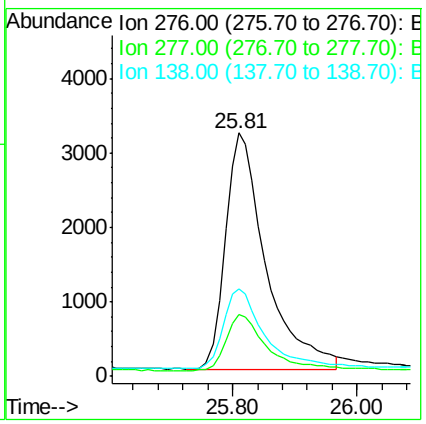




#33
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 25.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BM004576.D
Acq: 08 Mar 2016 12:09

Tgt Ion:276 Resp: 14414

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.6	29.4
138	36.0	26.2	39.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC0.4

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