Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090216\
Data File : BM007368.D
Acq On : 02 Sep 2016 15:00
Operator : UM/SJ
Sample : H4612-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : NC-TS-003

Manual Integrations APPROVED
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Quant Time: Sep 02 15:40:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM090116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 12:51:17 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	3869	5.00	ng		-0.02
7) Naphthalene-d8	10.58	136	17416	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	10464	5.00	ng		0.00
19) Phenanthrene-d10	17.16	188	21711	5.00	ng		0.00
26) Chrysene-d12	21.35	240	21157	5.00	ng		0.00
35) Perylene-d12	23.62	264	16533	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	6906	8.65	ng		0.00
5) Phenol-d6	6.95	99	8868	8.12	ng		-0.02
8) Nitrobenzene-d5	8.94	82	3924	4.01	ng		-0.02
14) 2,4,6-Tribromophenol	15.90	330	3042m	7.51	ng		-0.02
15) 2-Fluorobiphenyl	13.04	172	10454	3.22	ng		-0.01
29) Terphenyl-d14	19.79	244	8283	2.92	ng		0.00
Target Compounds							Qvalue
9) Nitrobenzene	9.04	77	8	0.01	ng	#	50
10) Naphthalene	10.61	128	423	0.11	ng	#	78
12) 2-Methylnaphthalene	12.24	142	199	0.07	ng	#	88
16) Acenaphthylene	14.13	152	1350	0.30	ng		95
17) Acenaphthene	14.48	154	313	0.10	ng	#	72
18) Fluorene	15.46	166	475	0.13	ng		89
21) Hexachlorobenzene	16.47	284	3	0.00	ng	#	1
23) Phenanthrene	17.19	178	6836	1.23	ng		99
24) Anthracene	17.29	178	2400m	0.43	ng		
25) Fluoranthene	19.23	202	18285	2.80	ng	#	92
27) Benzidine	19.45	184	23	0.02	ng	#	1
28) Pyrene	19.59	202	18498	3.07	ng	#	94
30) Benzo(a)anthracene	21.33	228	12675m	2.07	ng		
31) 3,3'-Dichlorobenzidine	21.25	252	25	0.01	ng	#	3
32) Chrysene	21.37	228	9225m	1.55	ng		
34) Indeno(1,2,3-cd)pyrene	25.90	276	6150	1.17	ng		97
36) Benzo(b)fluoranthene	22.93	252	15334m	2.97	ng		
37) Benzo(k)fluoranthene	22.97	252	4132m	0.87	ng		
38) Benzo(a)pyrene	23.52	252	9047	1.98	ng		98
39) Dibenzo(a,h)anthracene	25.90	278	1585	0.43	ng	#	60
40) Benzo(g,h,i)perylene	26.60	276	6393	1.66	ng		97

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

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Instrument :
BNA_M
ClientSampleId :
NC-TS-003

Manual Integrations APPROVED
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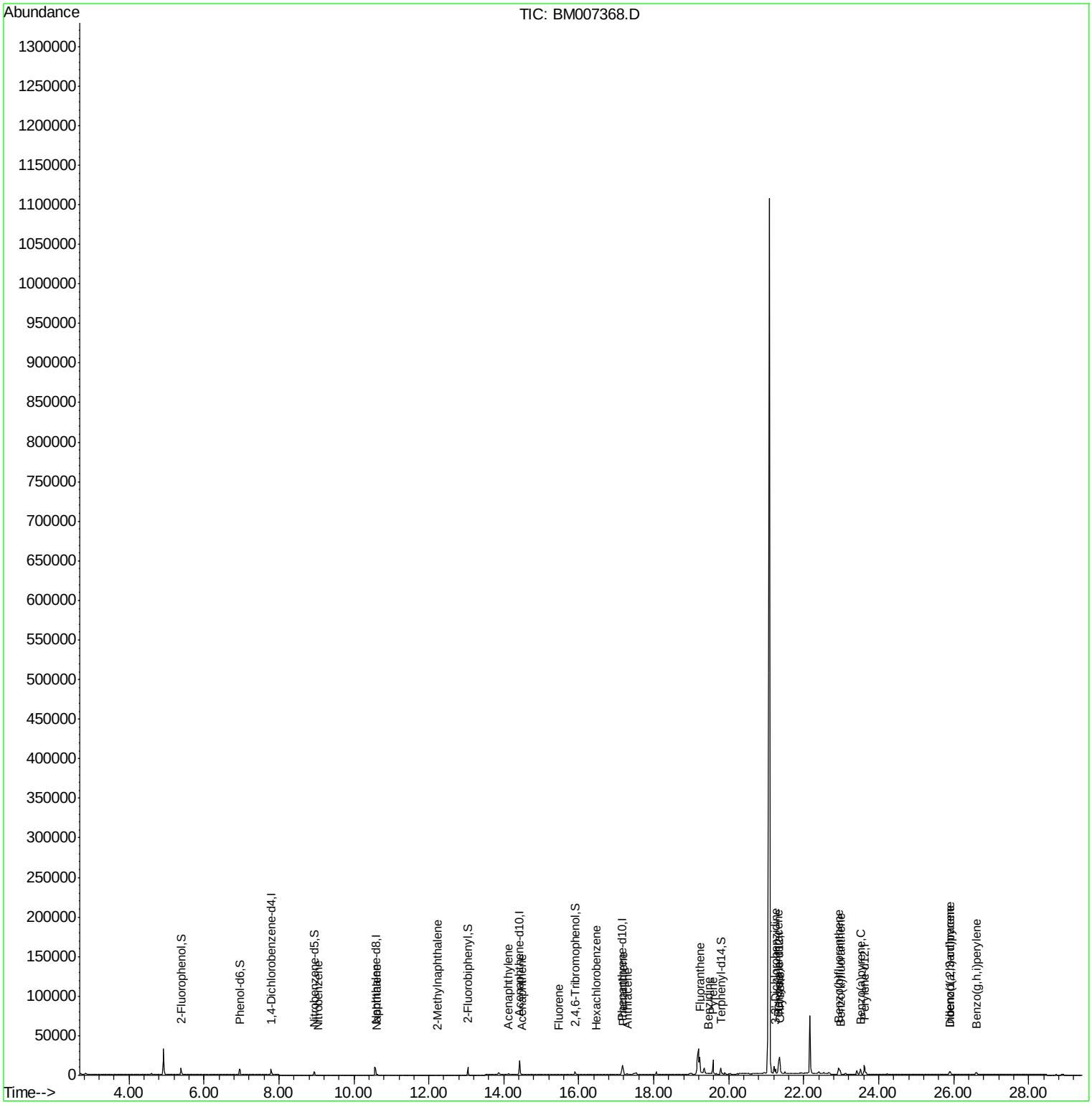
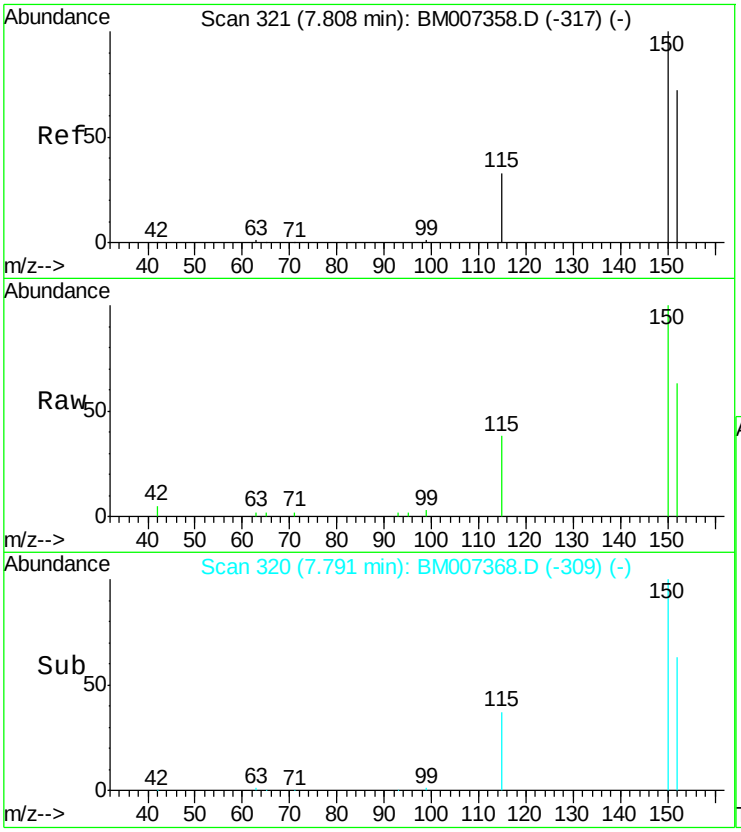
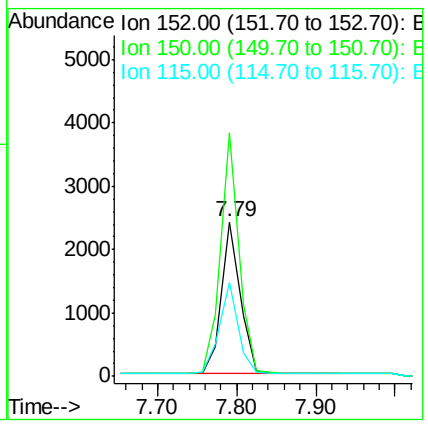




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 320
Delta R.T. -0.02 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:152 Resp: 3869

Ion	Ratio	Lower	Upper
152	100		
150	157.7	109.8	164.8
115	60.4	39.0	58.4#



Instrument :
BNA_M
ClientSampleId :
NC-TS-003

Manual Integrations APPROVED
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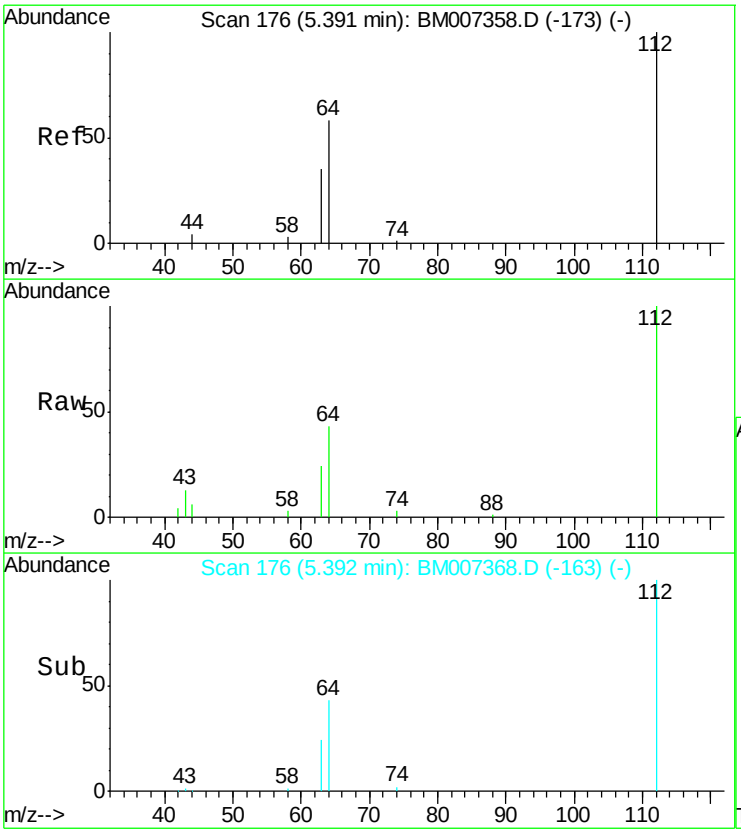
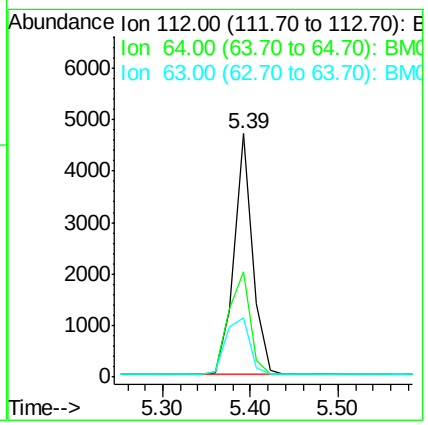
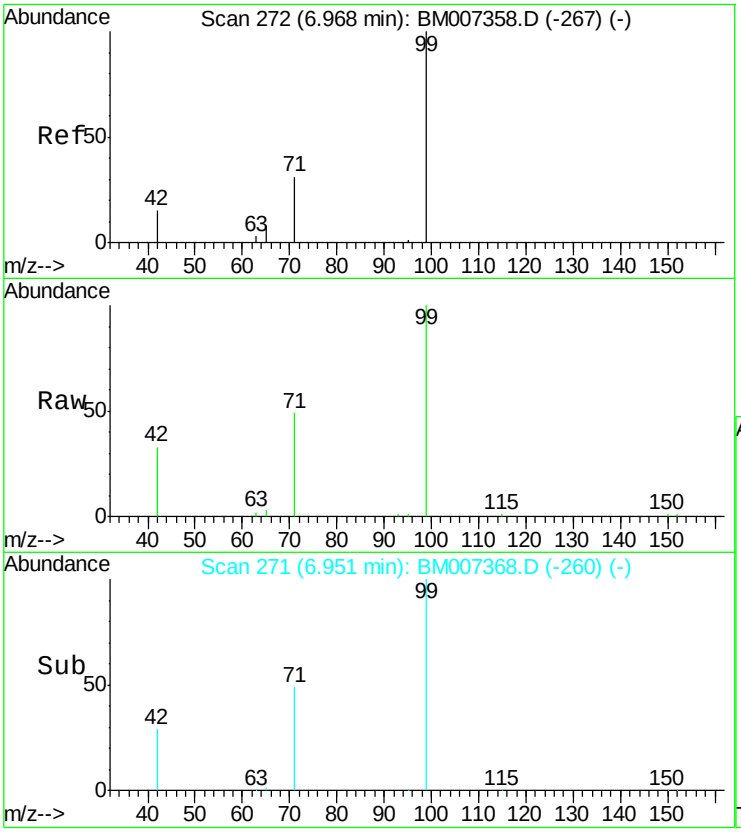


#4
2-Fluorophenol
Concen: 8.65 ng
RT: 5.39 min Scan# 176
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:112 Resp: 6906

Ion	Ratio	Lower	Upper
112	100		
64	48.9	36.9	55.3
63	30.1	22.6	34.0

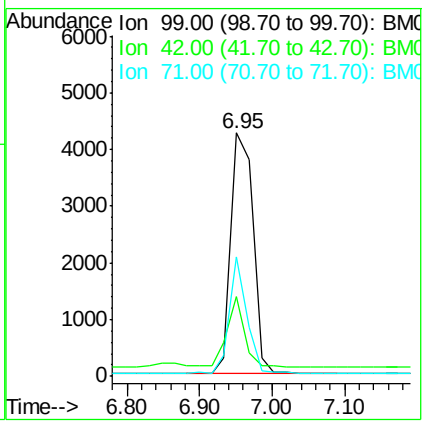




#5
Phenol-d6
Concen: 8.12 ng
RT: 6.95 min Scan# 271
Delta R.T. -0.02 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion: 99 Resp: 8868

Ion	Ratio	Lower	Upper
99	100		
42	22.7	19.8	29.8
71	37.9	28.1	42.1



Instrument :
BNA_M
ClientSampleId :
NC-TS-003

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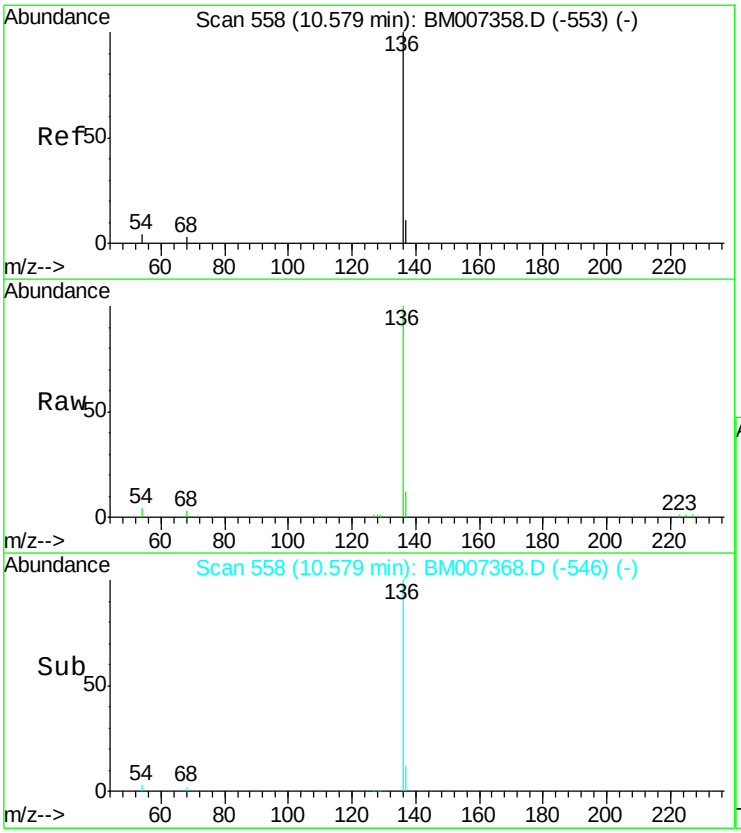
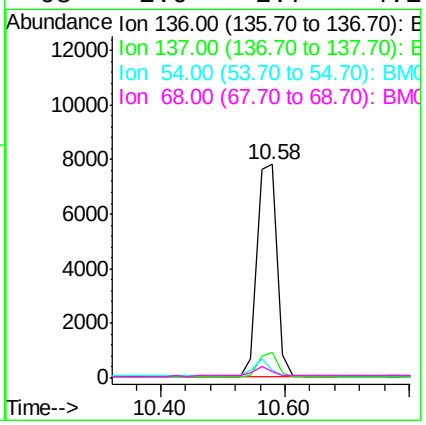
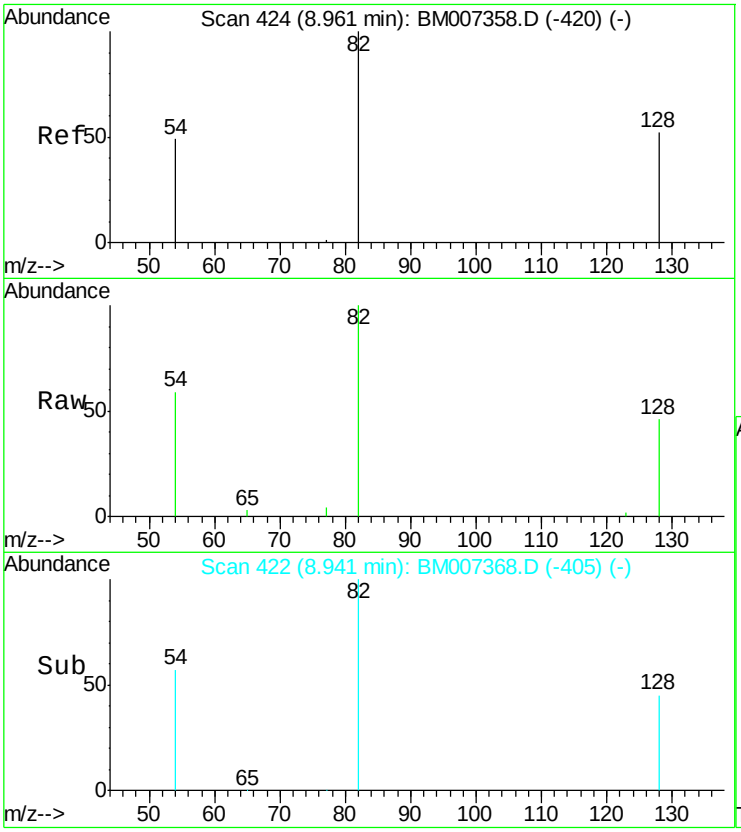


#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.58 min Scan# 558
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:136 Resp: 17416

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.4	14.0
54	3.7	4.0	6.0#
68	2.9	2.7	4.1

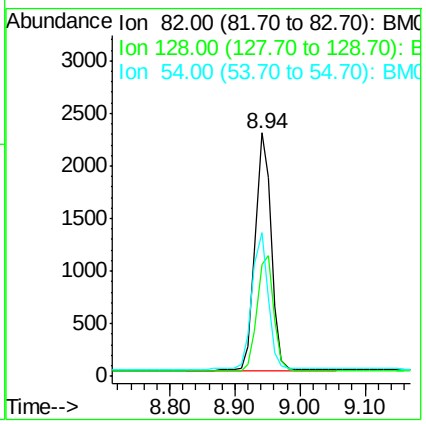




#8
Nitrobenzene-d5
Concen: 4.01 ng
RT: 8.94 min Scan# 422
Delta R.T. -0.02 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion: 82 Resp: 3924

Ion	Ratio	Lower	Upper
82	100		
128	45.7	54.9	82.3#
54	58.9	53.8	80.6



Instrument :
BNA_M
ClientSampleId :
NC-TS-003

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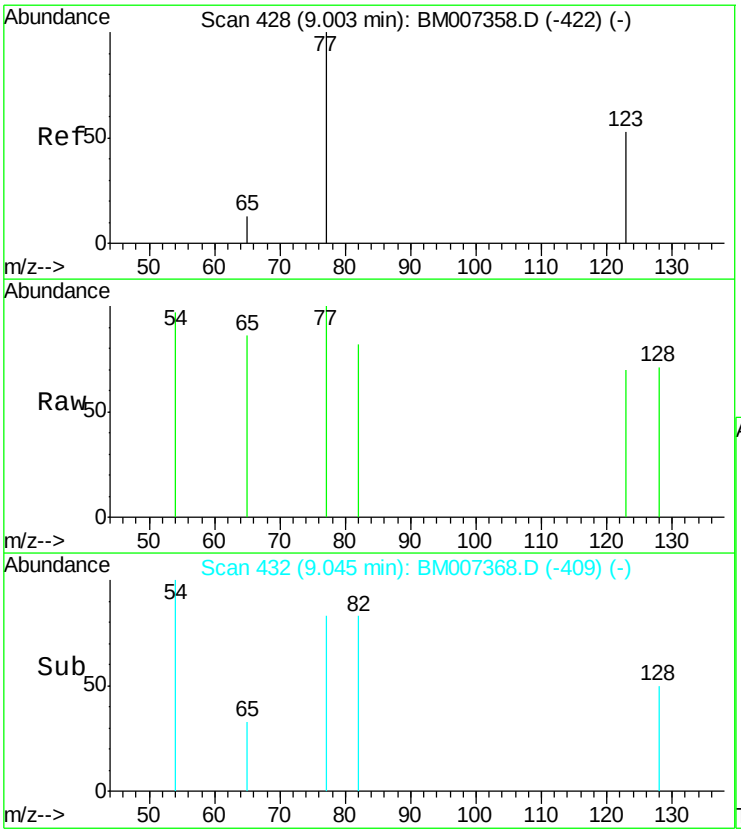
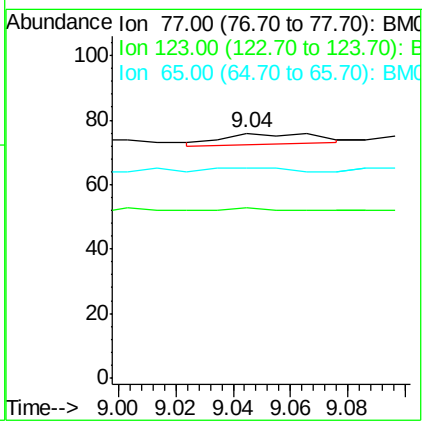
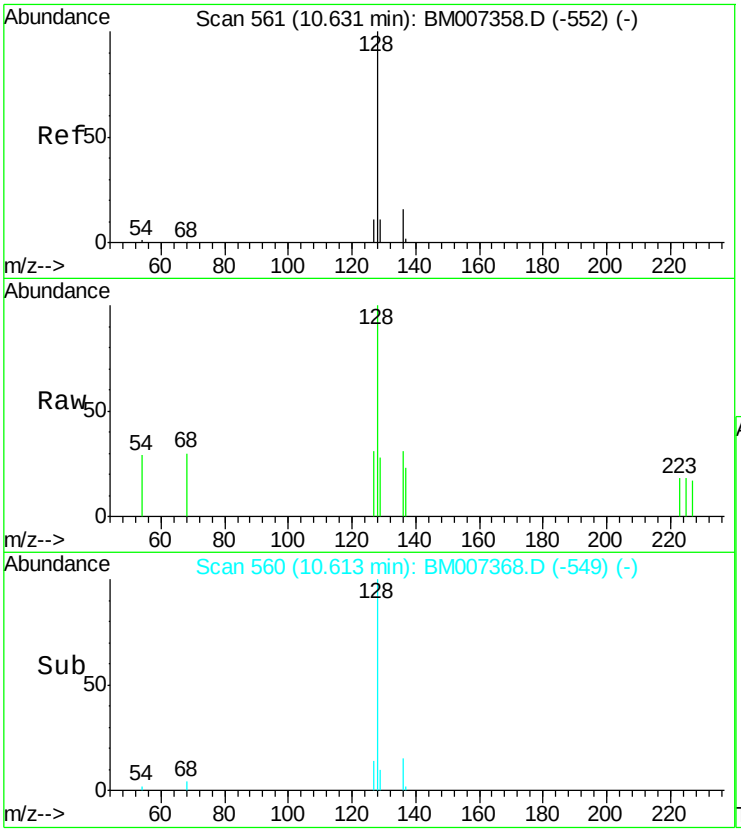


#9
Nitrobenzene
Concen: 0.01 ng
RT: 9.04 min Scan# 432
Delta R.T. 0.04 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion: 77 Resp: 8

Ion	Ratio	Lower	Upper
77	100		
123	12.5	40.0	60.0#
65	0.0	10.6	15.8#

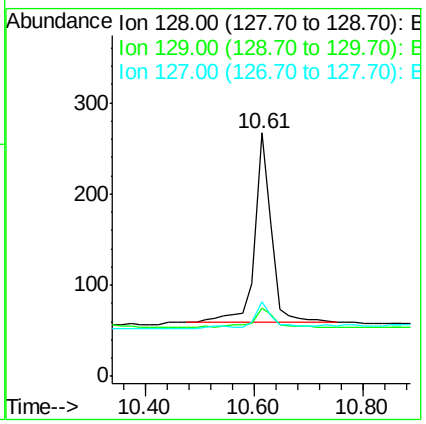




#10
Naphthalene
Concen: 0.11 ng
RT: 10.61 min Scan# 560
Delta R.T. -0.02 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:128 Resp: 423

Ion	Ratio	Lower	Upper
128	100		
129	28.1	15.5	23.3#
127	30.7	15.5	23.3#



Instrument :
BNA_M
ClientSampleId :
NC-TS-003

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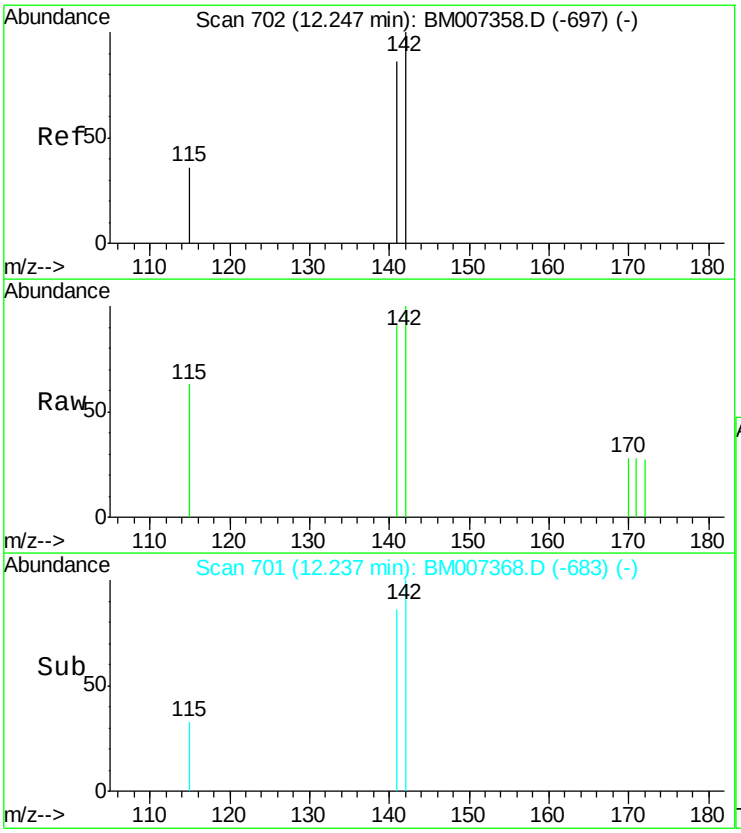
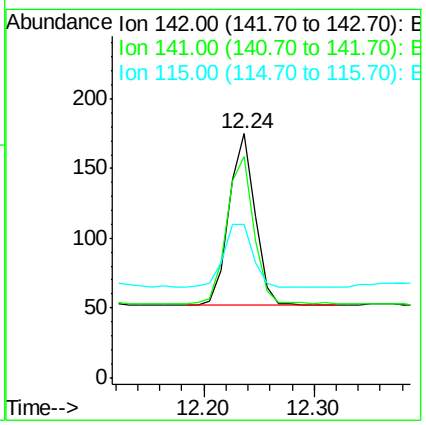
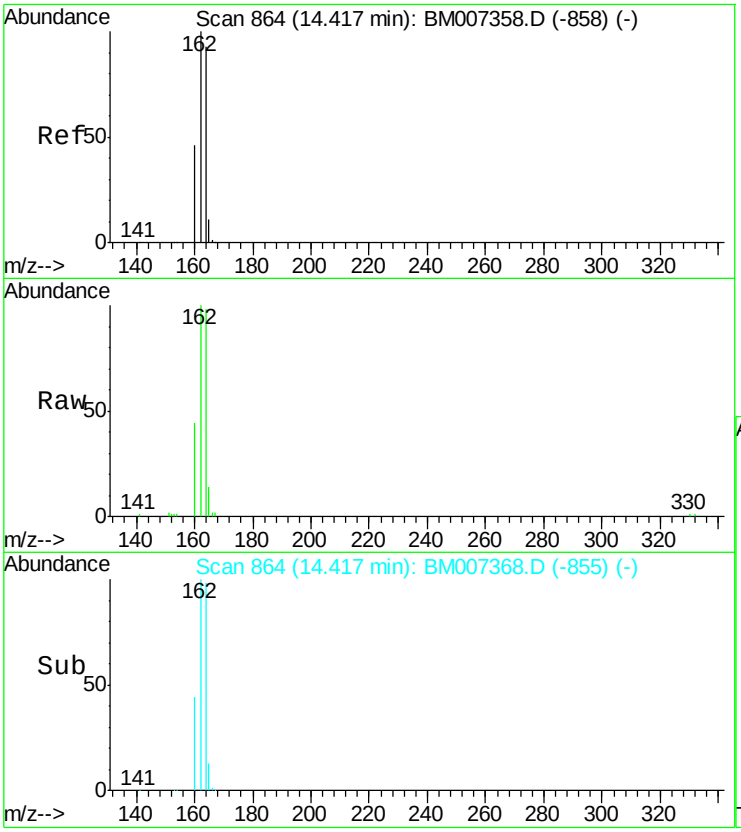


#12
2-Methylnaphthalene
Concen: 0.07 ng
RT: 12.24 min Scan# 701
Delta R.T. -0.01 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:142 Resp: 199

Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.2	105.4
115	62.9	35.7	53.5#

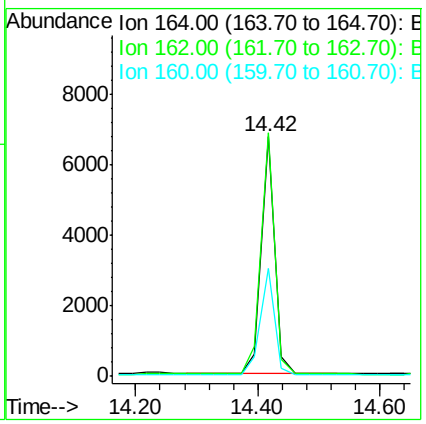




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 864
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:164 Resp: 10464

Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.2	129.4
160	45.1	40.5	60.7



Instrument :
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ClientSampleId :
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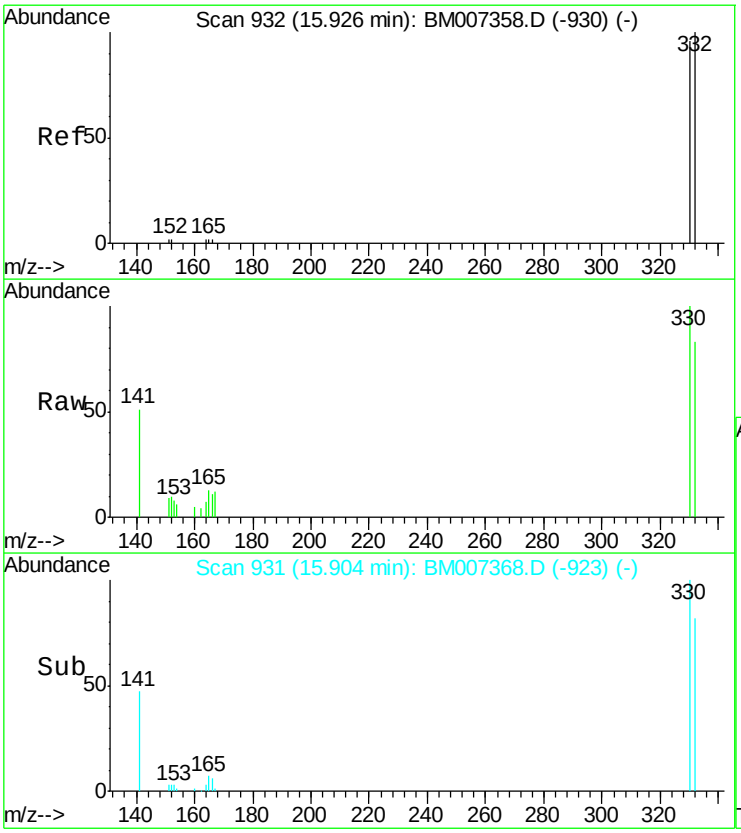
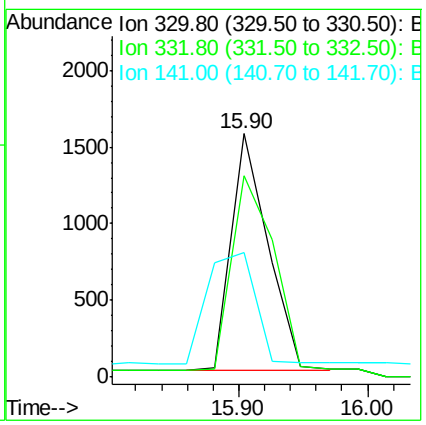
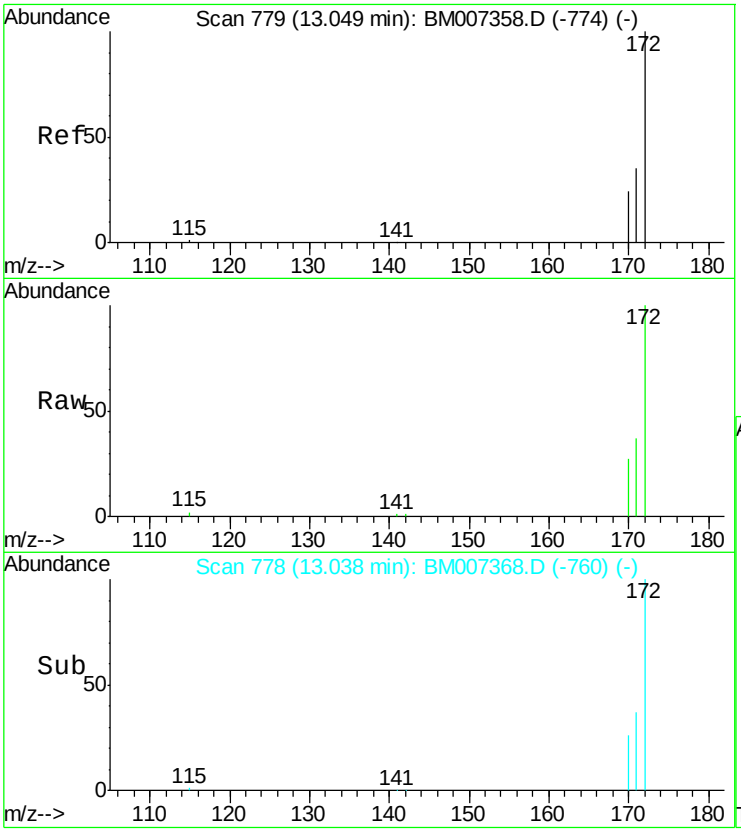


#14
2,4,6-Tribromophenol
Concen: 7.51 ng m
RT: 15.90 min Scan# 931
Delta R.T. -0.02 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:330 Resp: 3042

Ion	Ratio	Lower	Upper
330	100		
332	106.6	79.2	118.8
141	63.9	0.0	0.0#

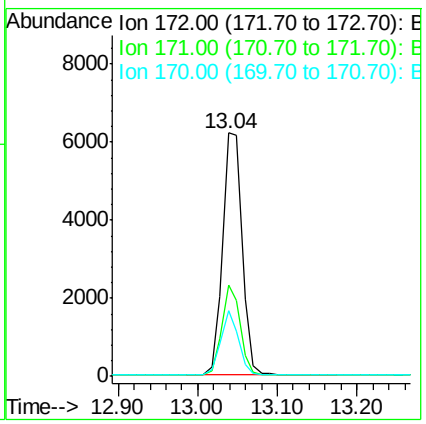




#15
2-Fluorobiphenyl
Concen: 3.22 ng
RT: 13.04 min Scan# 778
Delta R.T. -0.01 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:172 Resp: 10454

Ion	Ratio	Lower	Upper
172	100		
171	37.3	32.2	48.2
170	26.7	23.5	35.3



Instrument :
BNA_M
ClientSampleId :
NC-TS-003

Manual Integrations APPROVED
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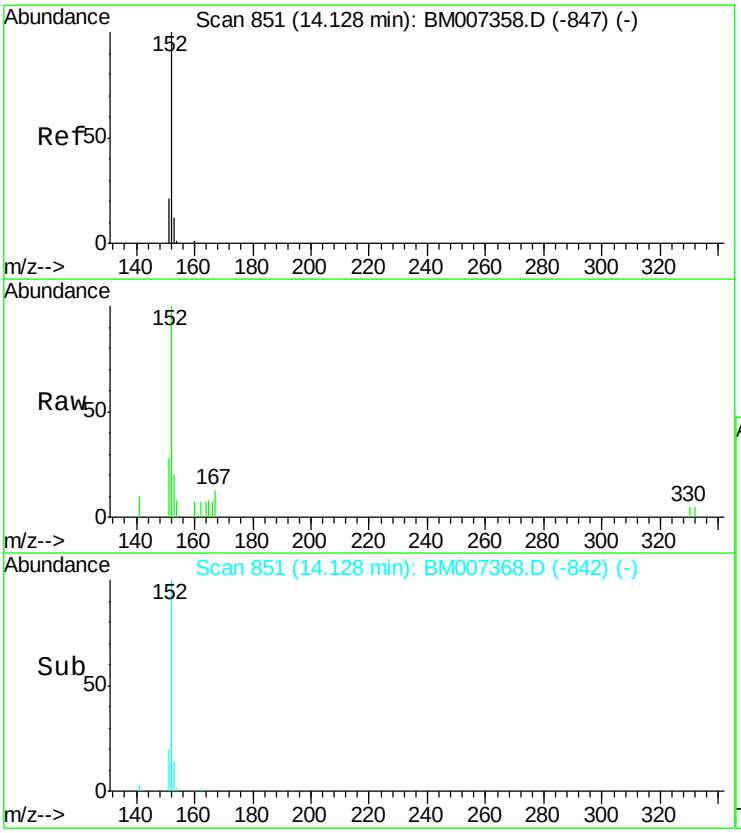
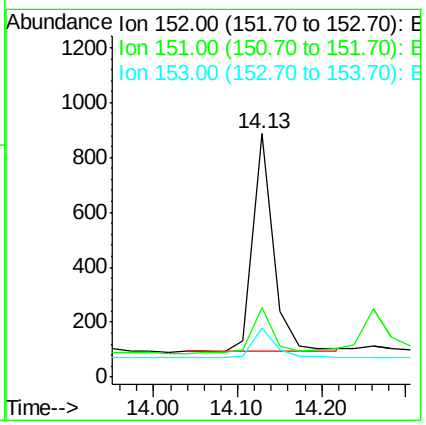
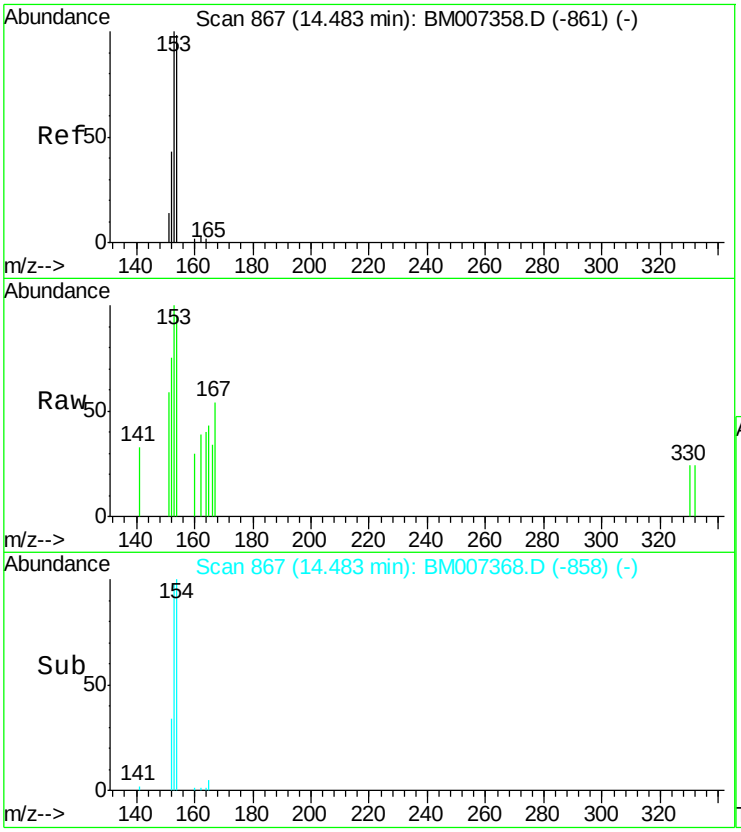


#16
Acenaphthylene
Concen: 0.30 ng
RT: 14.13 min Scan# 851
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:152 Resp: 1350

Ion	Ratio	Lower	Upper
152	100		
151	21.9	15.7	23.5
153	15.0	10.1	15.1

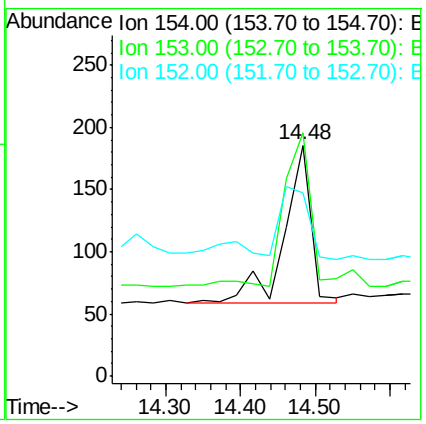




#17
Acenaphthene
Concen: 0.10 ng
RT: 14.48 min Scan# 867
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:154 Resp: 313

Ion	Ratio	Lower	Upper
154	100		
153	100.3	85.1	127.7
152	0.0	40.9	61.3#



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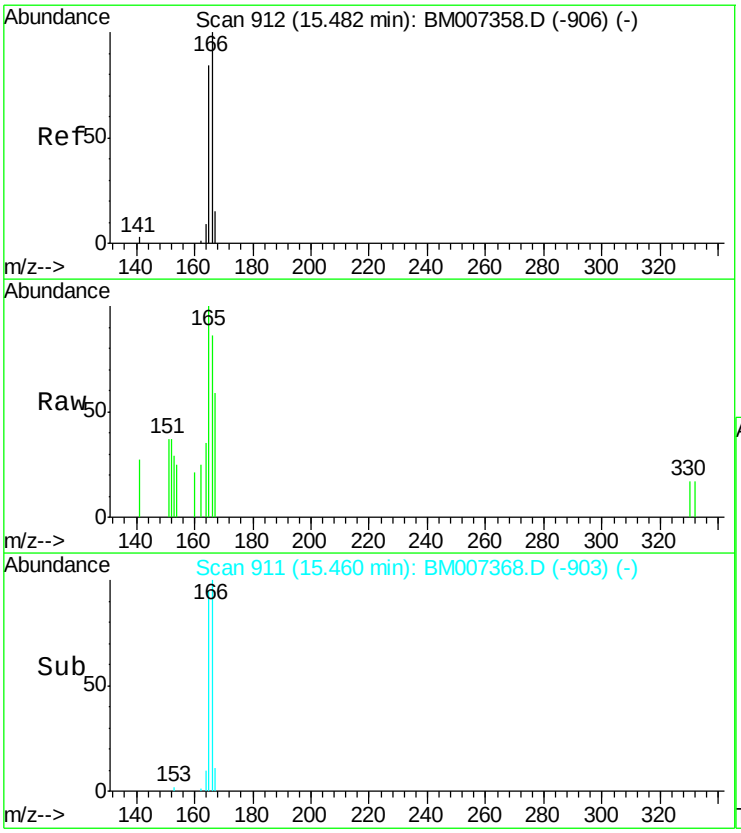
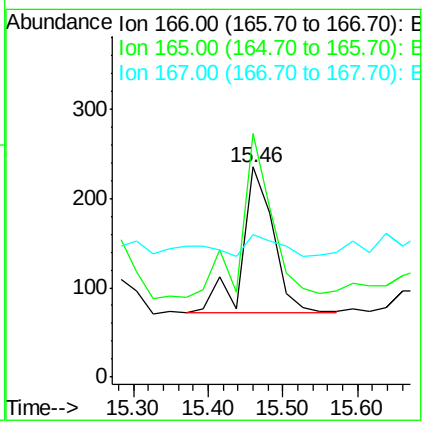
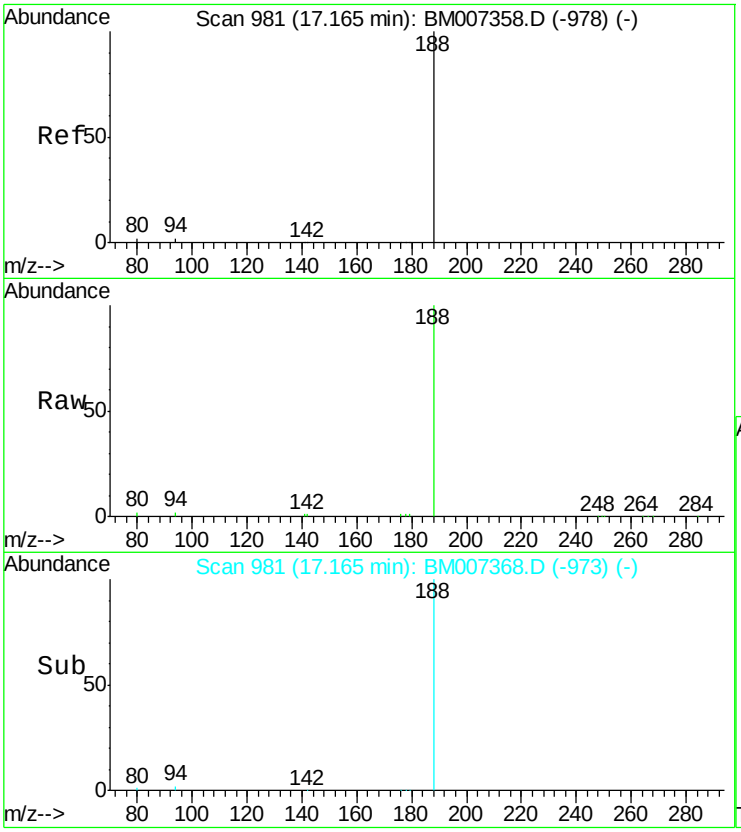


#18
Fluorene
Concen: 0.13 ng
RT: 15.46 min Scan# 911
Delta R.T. -0.02 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:166 Resp: 475

Ion	Ratio	Lower	Upper
166	100		
165	110.1	78.8	118.2
167	15.2	10.8	16.2

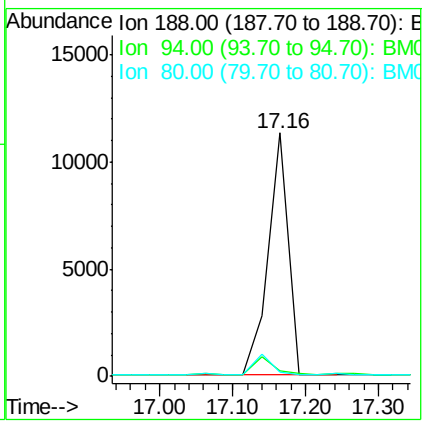




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:188 Resp: 21711

Ion	Ratio	Lower	Upper
188	100		
94	2.4	2.0	3.0
80	1.9	1.6	2.4



Instrument :
BNA_M
ClientSampleId :
NC-TS-003

Manual Integrations APPROVED
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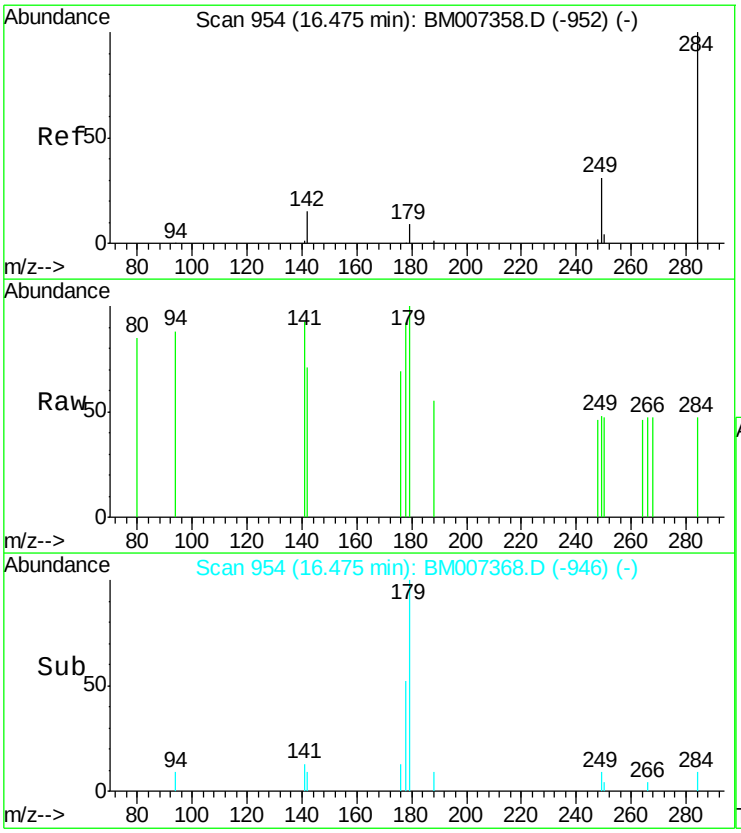
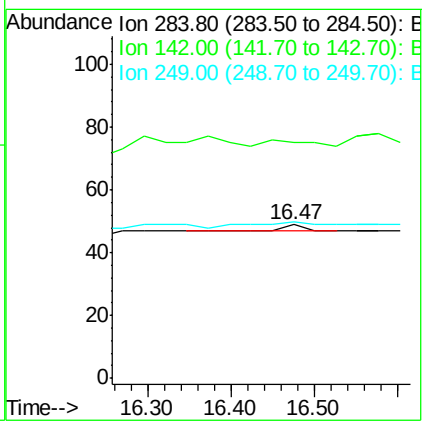
9/2/2016 5:20:43 PM

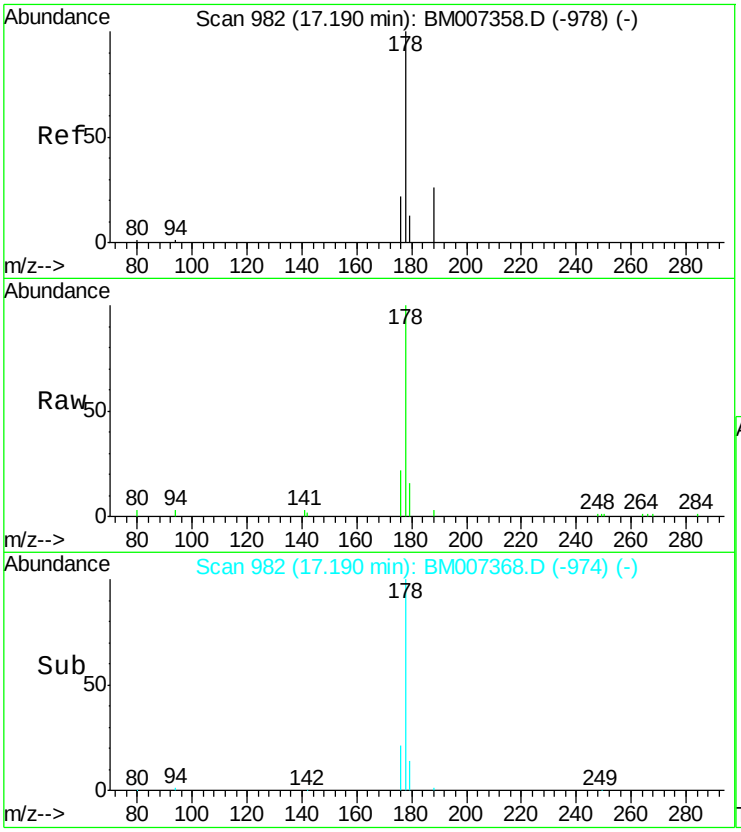


#21
Hexachlorobenzene
Concen: 0.00 ng
RT: 16.47 min Scan# 954
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:284 Resp: 3

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	400.0	26.6	40.0#

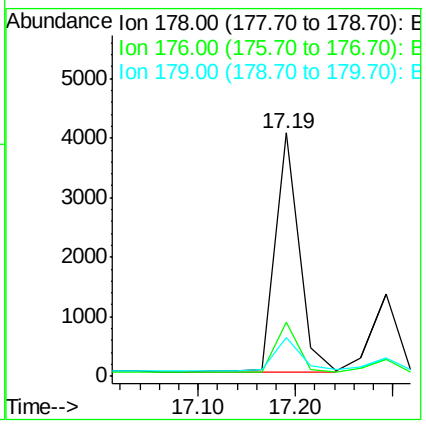




#23
Phenanthrene
Concen: 1.23 ng
RT: 17.19 min Scan# 982
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:178 Resp: 6836

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	24.8
179	15.9	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
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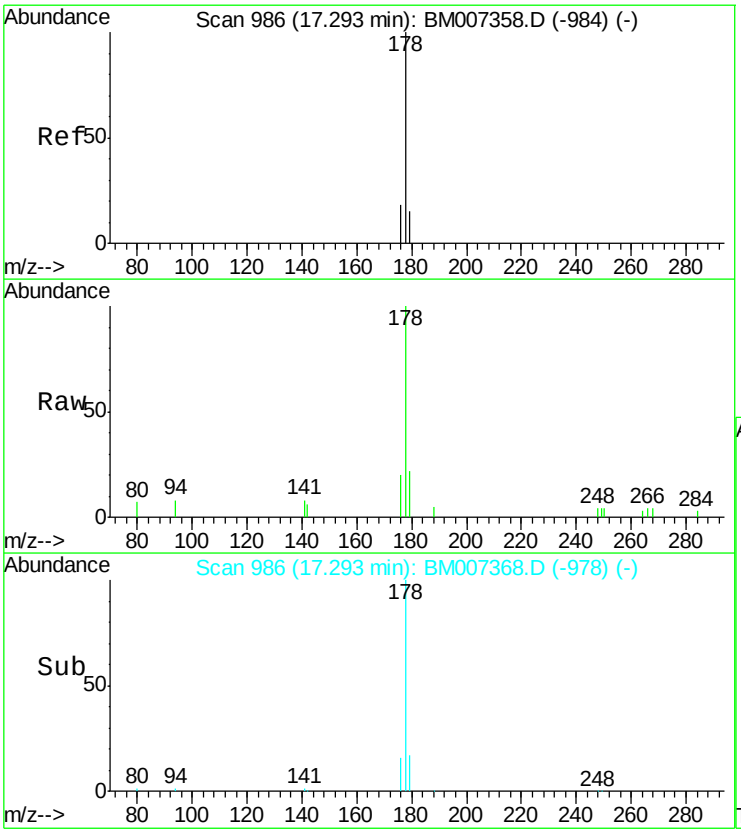
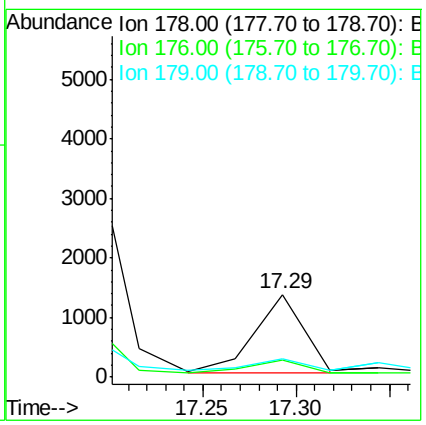
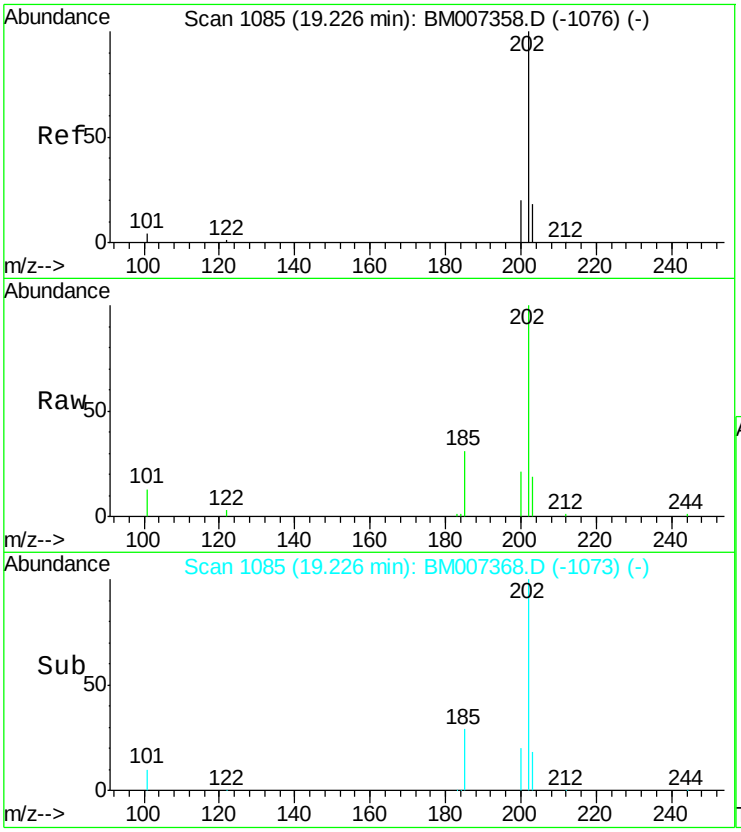


#24
Anthracene
Concen: 0.43 ng m
RT: 17.29 min Scan# 986
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:178 Resp: 2400

Ion	Ratio	Lower	Upper
178	100		
176	56.6	14.8	22.2#
179	44.2	12.2	18.2#





#25
Fluoranthene
Concen: 2.80 ng
RT: 19.23 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:202 Resp: 18285

Ion	Ratio	Lower	Upper
202	100		
101	0.0	6.5	9.7#
203	18.0	14.2	21.2

Instrument :
BNA_M
ClientSampleId :
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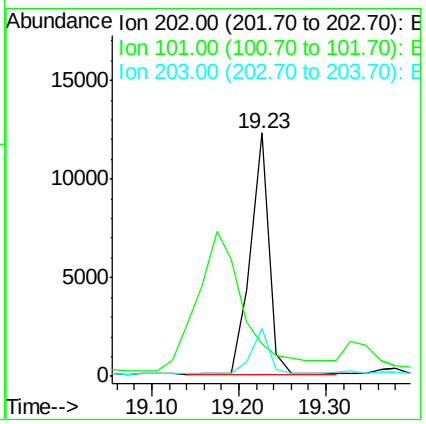
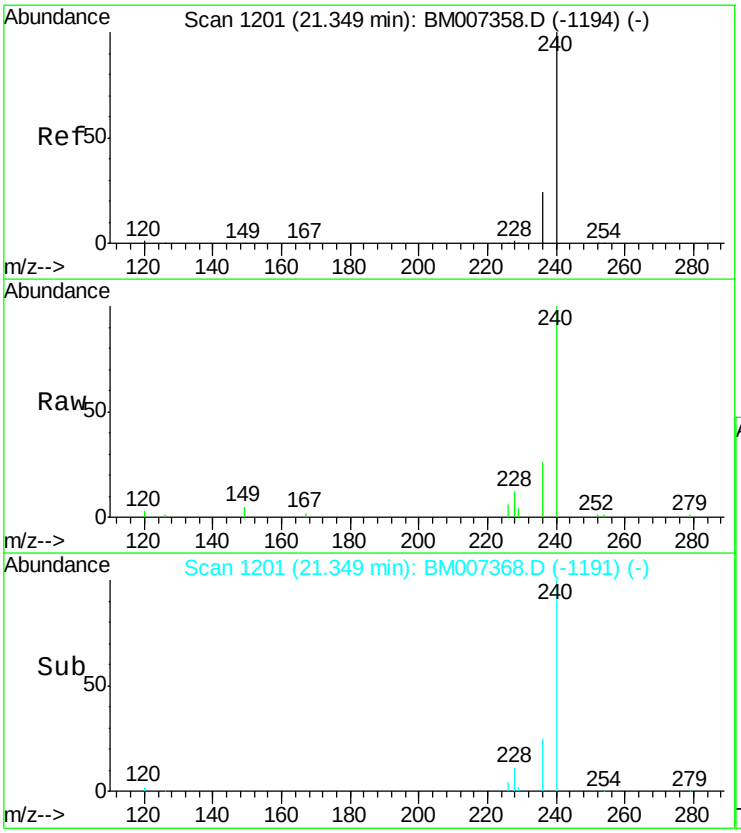
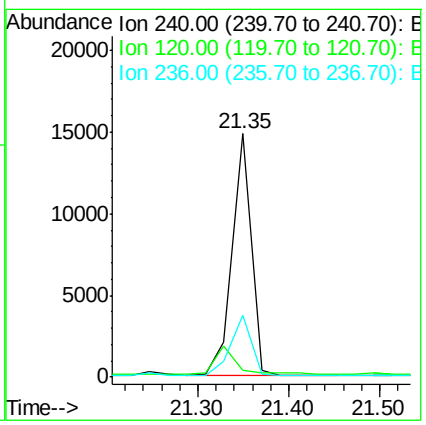


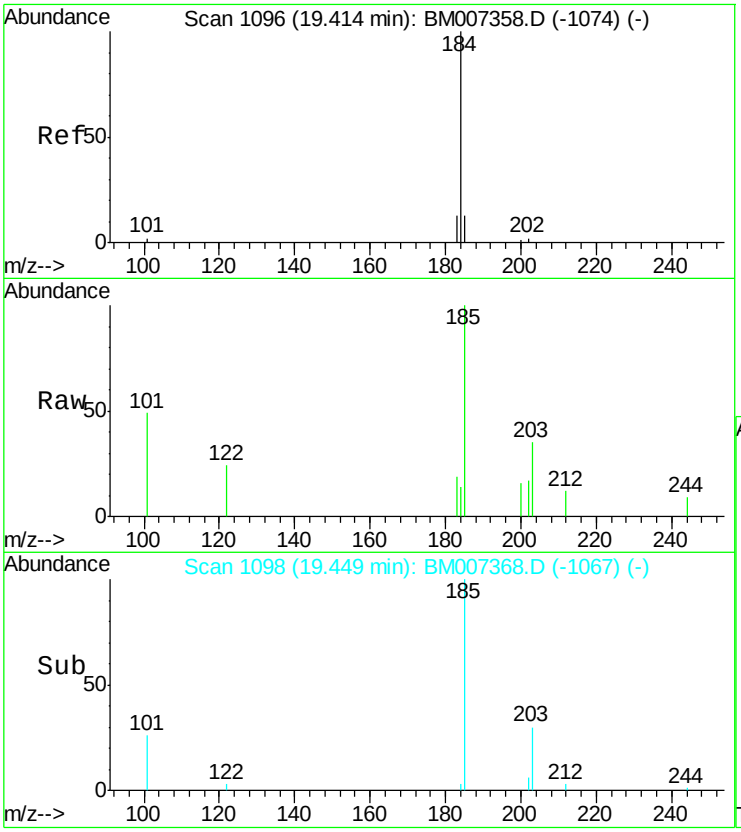


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.35 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:240 Resp: 21157

Ion	Ratio	Lower	Upper
240	100		
120	2.9	1.3	1.9#
236	25.6	19.1	28.7





#27
Benzidine
Concen: 0.02 ng
RT: 19.45 min Scan# 1098
Delta R.T. 0.03 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:184 Resp: 23

Ion	Ratio	Lower	Upper
184	100		
185	693.3	29.8	44.8#
183	134.6	29.8	44.8#

Instrument :
BNA_M
ClientSampleId :
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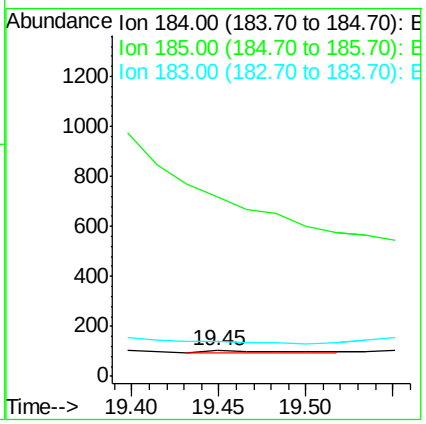
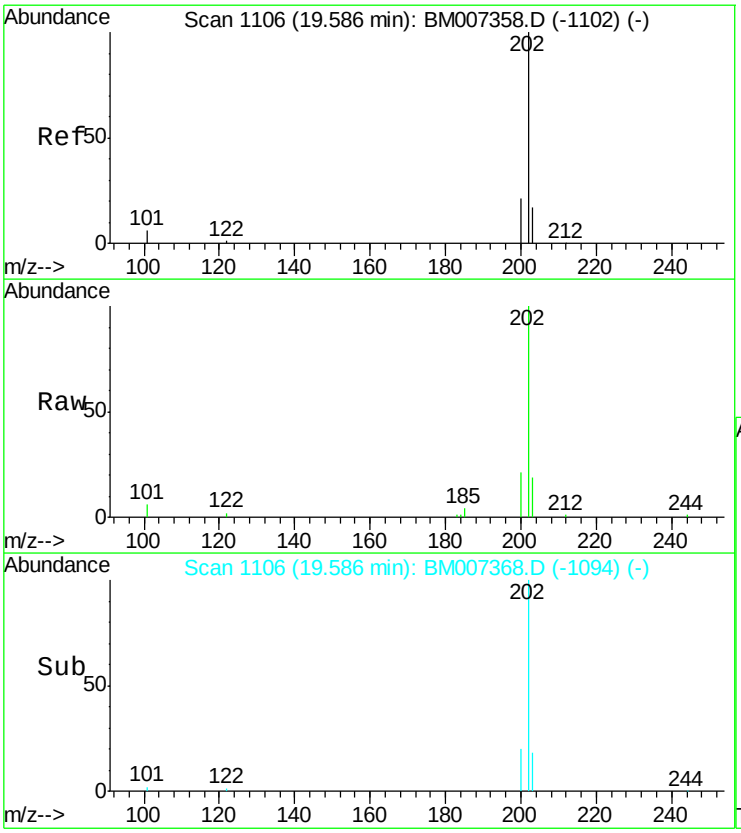
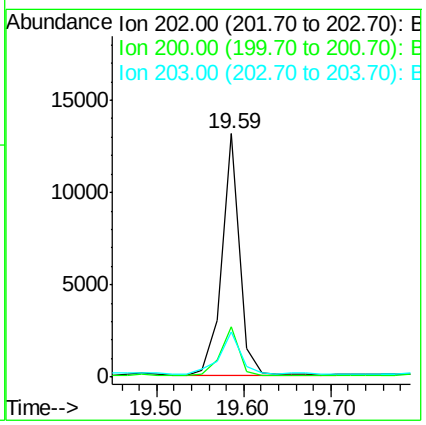


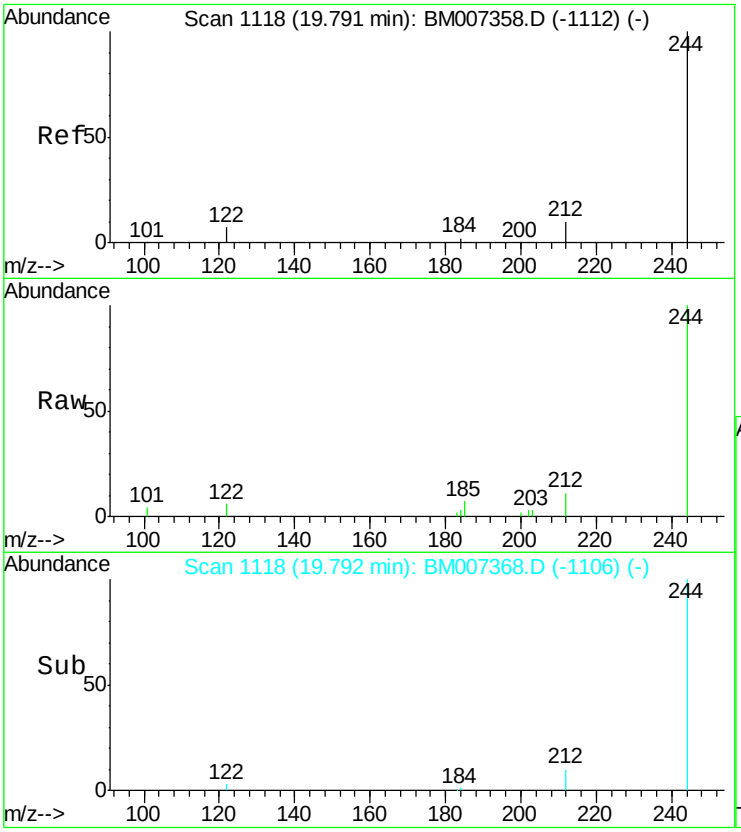


#28
Pyrene
Concen: 3.07 ng
RT: 19.59 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:202 Resp: 18498

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	22.5	13.8	20.8#





#29
Terphenyl-d14
Concen: 2.92 ng
RT: 19.79 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:244 Resp: 8283

Ion	Ratio	Lower	Upper
244	100		
212	11.4	12.2	18.4#
122	6.5	9.6	14.4#

Instrument :
BNA_M
ClientSampleId :
NC-TS-003

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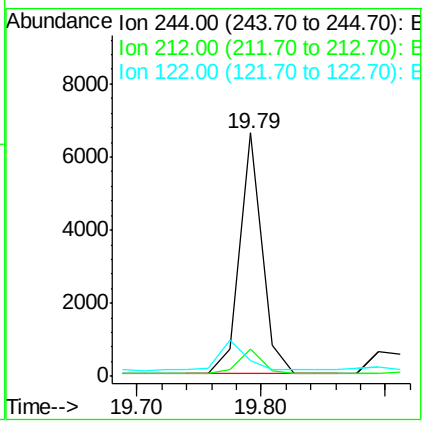
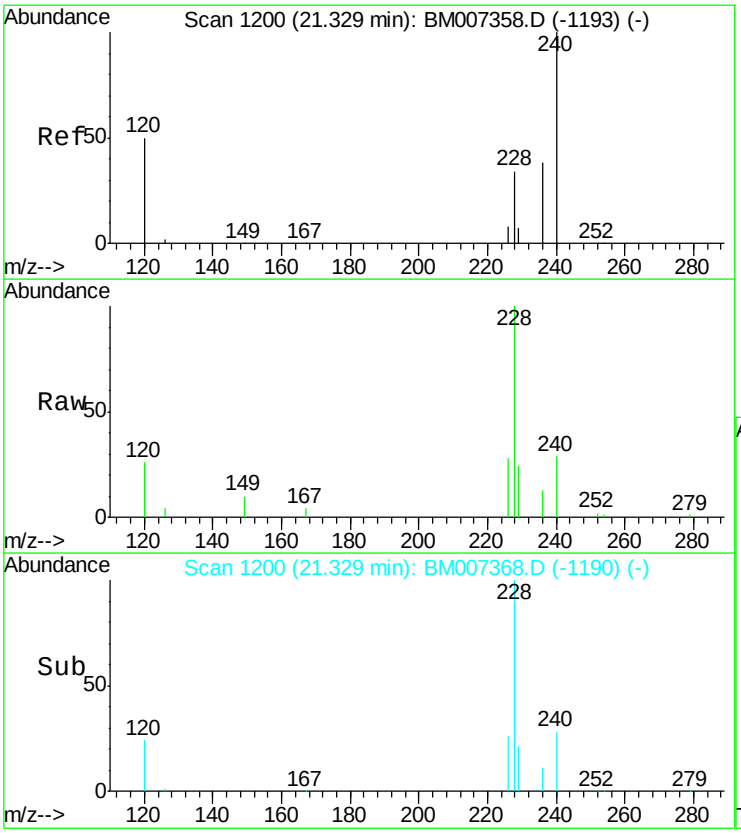
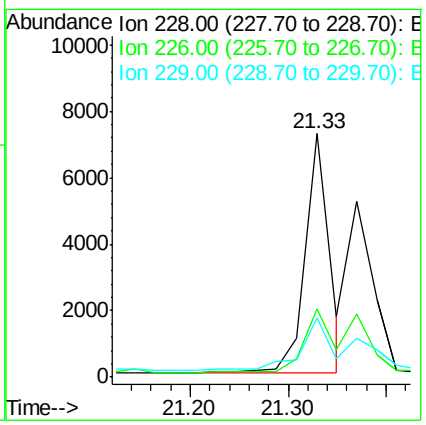


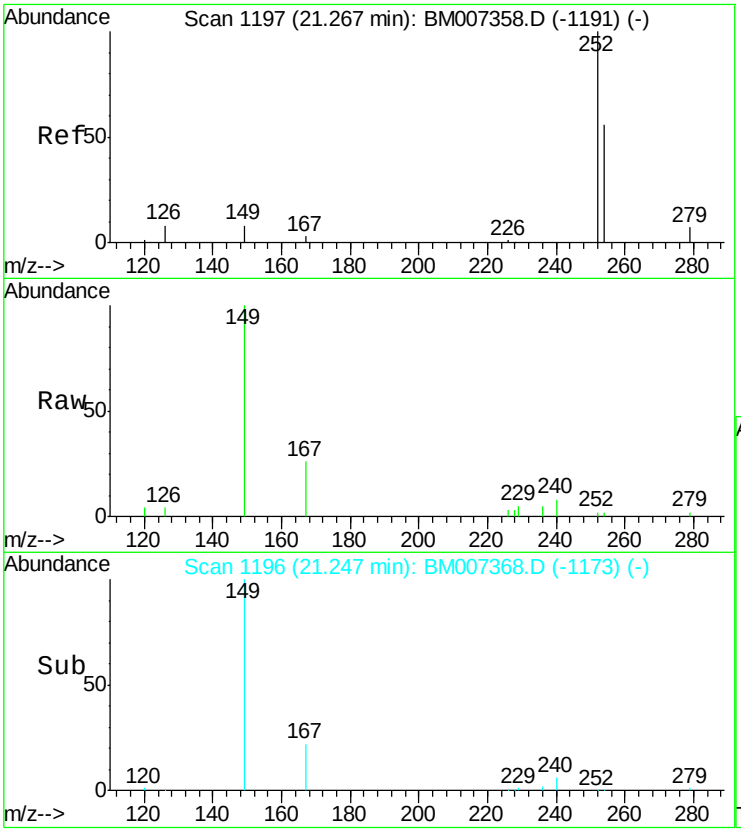


#30
Benzo(a)anthracene
Concen: 2.07 ng m
RT: 21.33 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:228 Resp: 12675

Ion	Ratio	Lower	Upper
228	100		
226	28.1	20.4	30.6
229	24.5	19.0	28.4

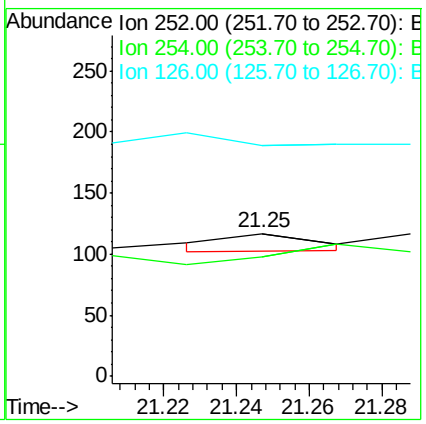




#31
3,3'-Dichlorobenzidine
Concen: 0.01 ng
RT: 21.25 min Scan# 1196
Delta R.T. -0.02 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:252 Resp: 25

Ion	Ratio	Lower	Upper
252	100		
254	83.8	49.4	74.0#
126	161.5	16.3	24.5#



Instrument :
BNA_M
ClientSampleId :
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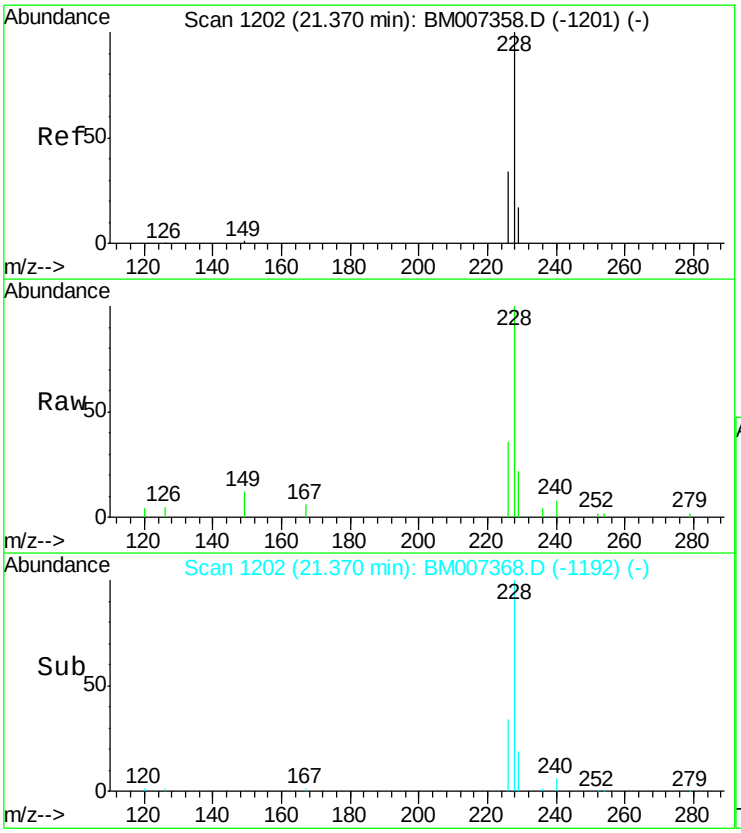
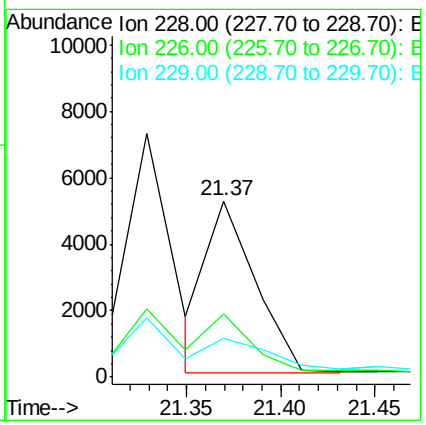
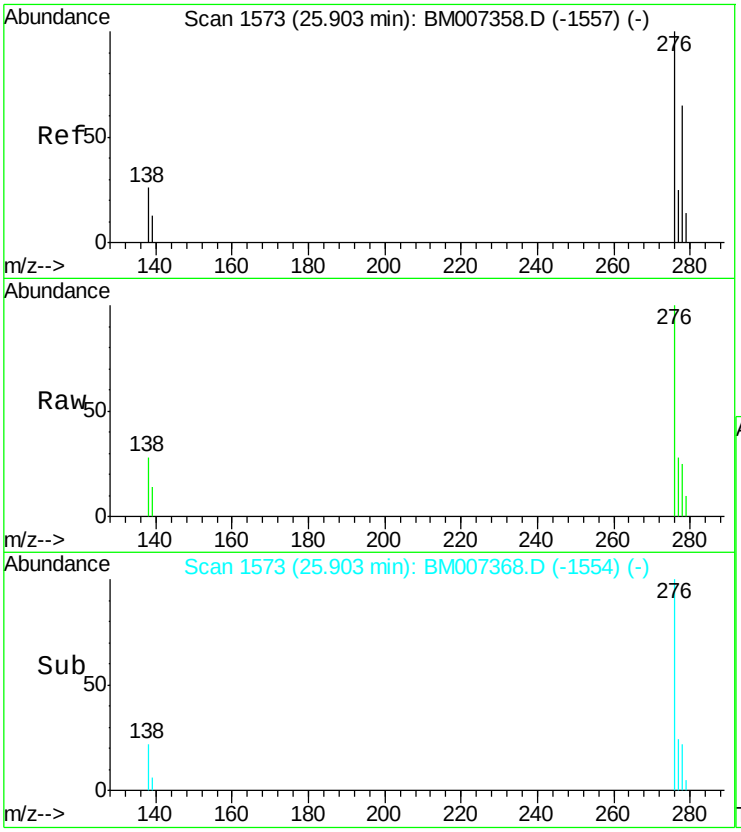


#32
Chrysene
Concen: 1.55 ng m
RT: 21.37 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:228 Resp: 9225

Ion	Ratio	Lower	Upper
228	100		
226	36.1	28.3	42.5
229	22.3	15.7	23.5

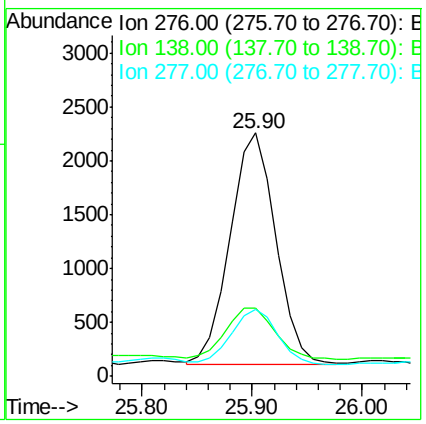




#34
Indeno(1,2,3-cd)pyrene
Concen: 1.17 ng
RT: 25.90 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:276 Resp: 6150

Ion	Ratio	Lower	Upper
276	100		
138	23.7	21.0	31.4
277	24.1	19.7	29.5



Instrument :
BNA_M
ClientSampleId :
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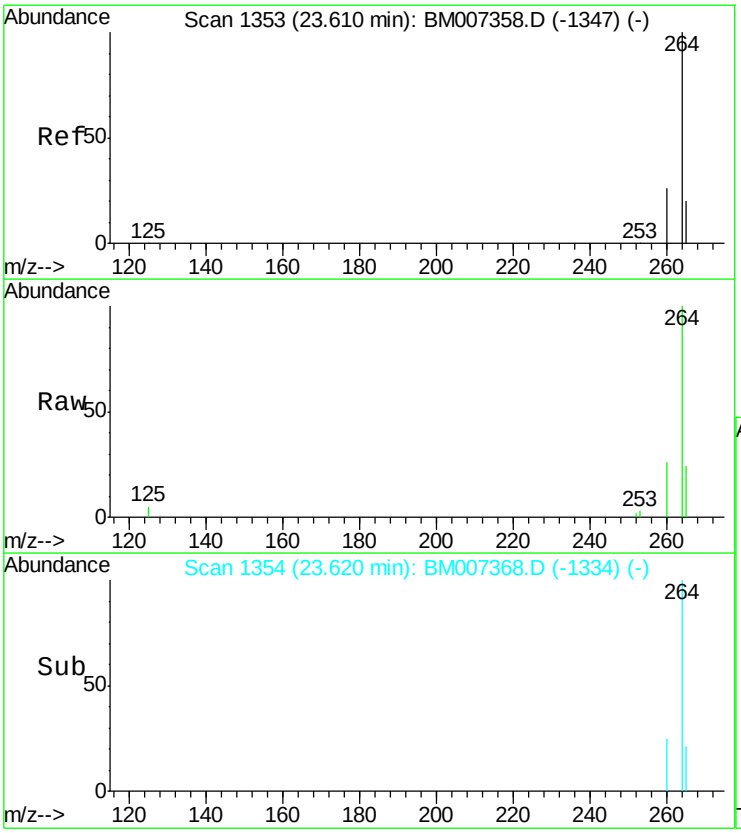
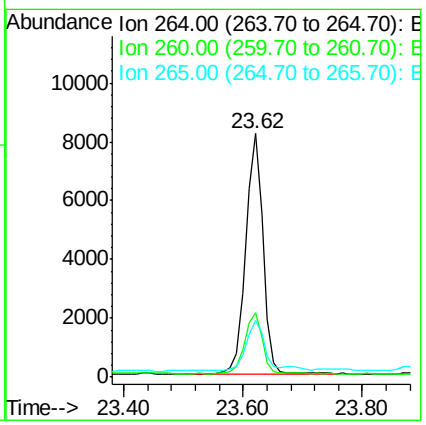
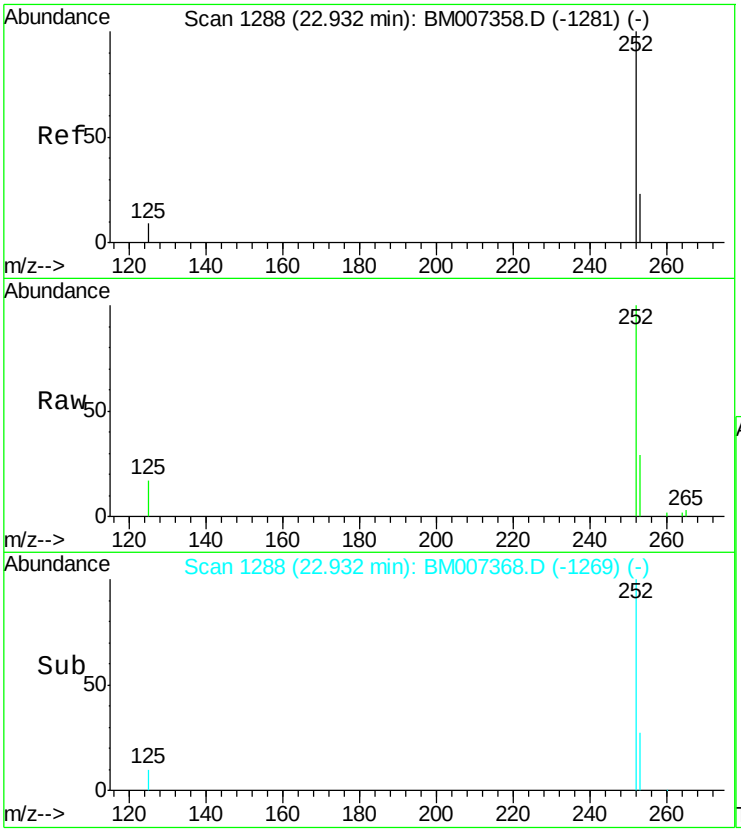


#35
Perylene-d12
Concen: 5.00 ng
RT: 23.62 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:264 Resp: 16533

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.2	31.8
265	23.6	17.1	25.7





#36
Benzo(b)fluoranthene
Concen: 2.97 ng m
RT: 22.93 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:252 Resp: 15334

Ion	Ratio	Lower	Upper
252	100		
253	29.3	21.4	32.2
125	17.2	10.5	15.7#

Instrument :
BNA_M
ClientSampleId :
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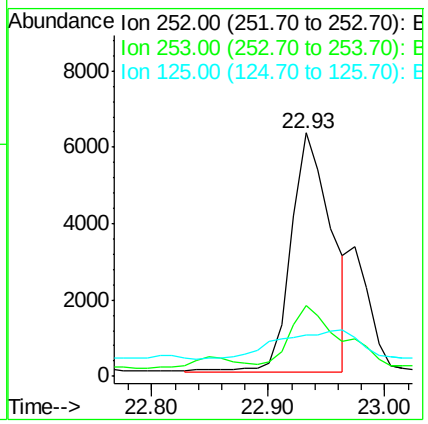
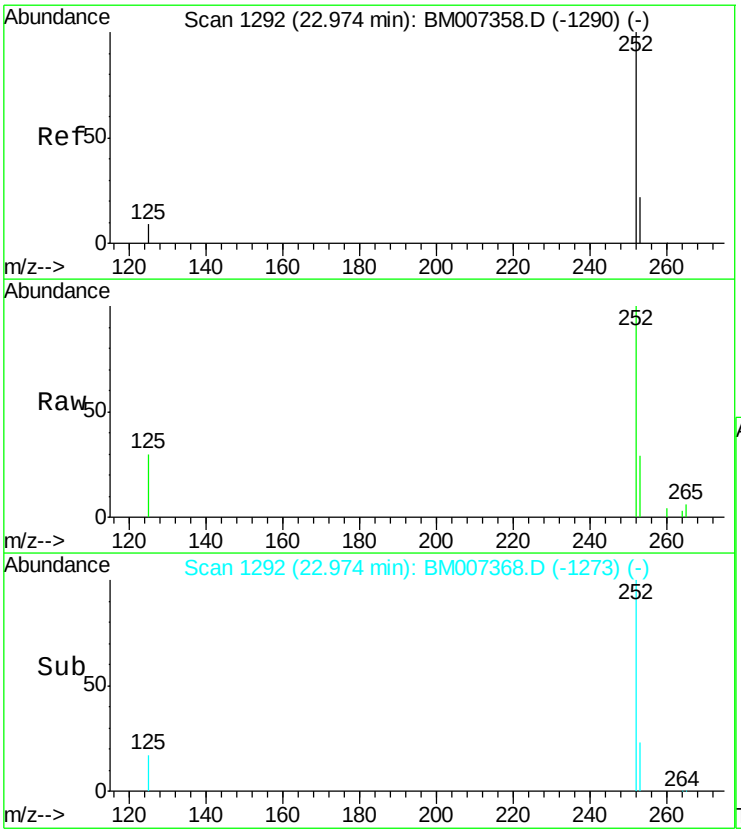
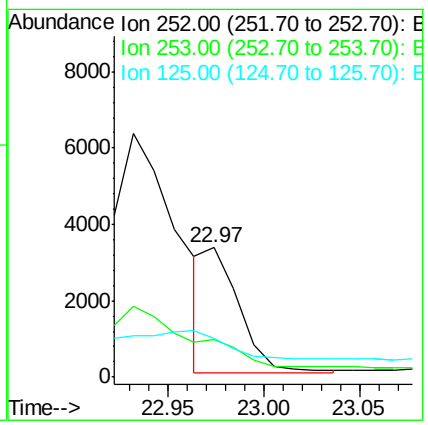


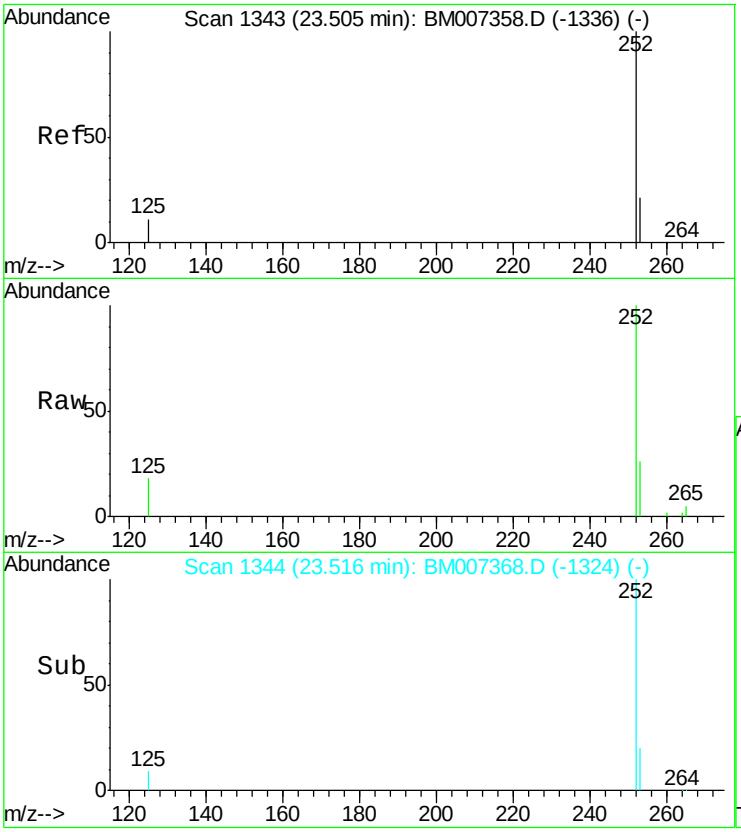


#37
Benzo(k)fluoranthene
Concen: 0.87 ng m
RT: 22.97 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:252 Resp: 4132

Ion	Ratio	Lower	Upper
252	100		
253	28.7	20.6	30.8
125	30.4	10.7	16.1#

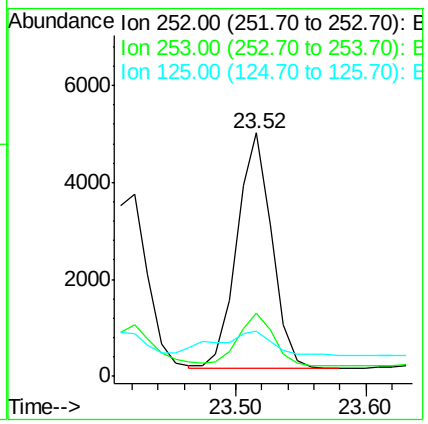




#38
Benzo(a)pyrene
Concen: 1.98 ng
RT: 23.52 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:252 Resp: 9047

Ion	Ratio	Lower	Upper
252	100		
253	26.0	20.6	31.0
125	18.4	13.0	19.4



Instrument :
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ClientSampleId :
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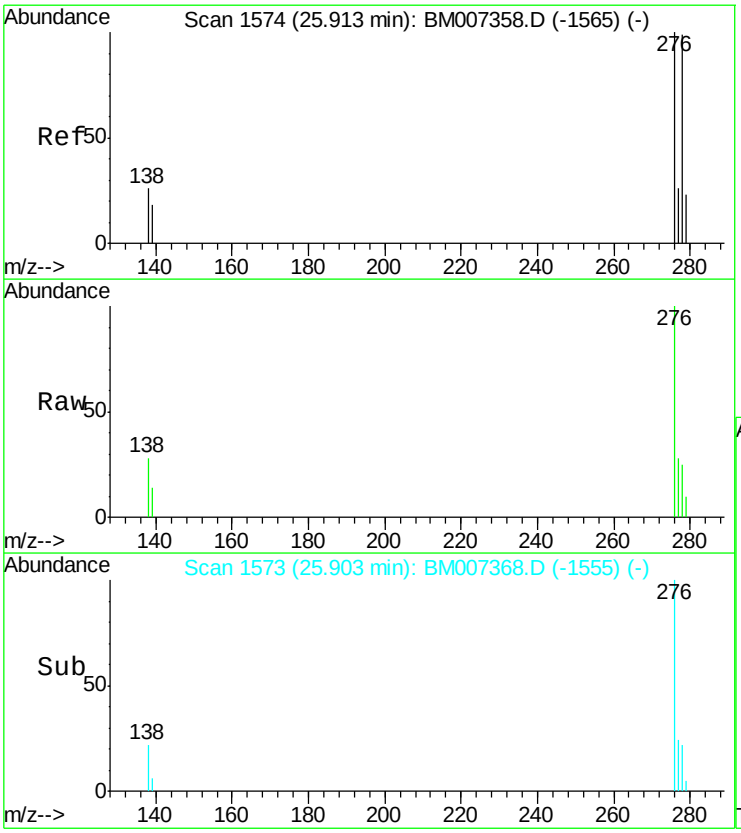
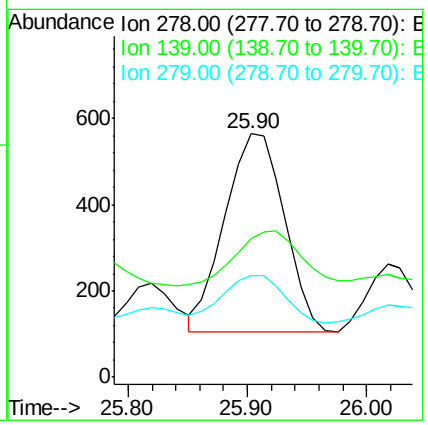
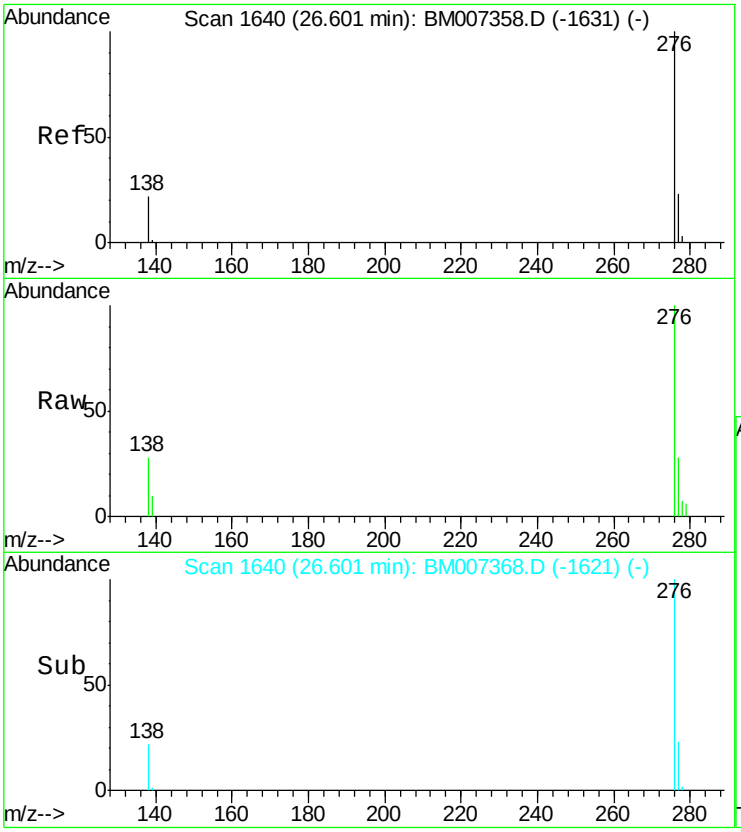


#39
Dibenzo(a,h)anthracene
Concen: 0.43 ng
RT: 25.90 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:278 Resp: 1585

Ion	Ratio	Lower	Upper
278	100		
139	57.2	20.4	30.6#
279	41.8	24.2	36.4#

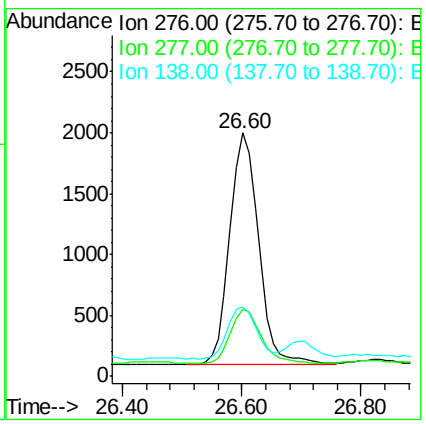




#40
Benzo(g,h,i)perylene
Concen: 1.66 ng
RT: 26.60 min Scan# 1640
Delta R.T. 0.00 min
Lab File: BM007368.D
Acq: 02 Sep 2016 15:00

Tgt Ion:276 Resp: 6393

Ion	Ratio	Lower	Upper
276	100		
277	27.5	24.2	36.2
138	28.5	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
NC-TS-003

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