Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007399.D
Acq On : 03 Sep 2016 10:10
Operator : UM/SJ
Sample : H4639-19
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD395

Manual Integrations APPROVED
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Quant Time: Sep 06 08:38:27 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 05 01:45:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	167261	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	786047	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	535394	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1410363	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	1887860	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	1866979	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	12456	3.81	ng/uL	0.00
5) Phenol-d5	6.96	99	328388	20.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	177975	21.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	252671	21.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	270799	19.65	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	138417	23.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	162038	24.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	301133	22.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	166048	9.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1075782	23.29	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1295940	24.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	148754	17.06	ng/ul	0.00
57) Fluorene-d10	15.42	176	966448	24.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	176242	19.87	ng/ul	0.00
70) Anthracene-d10	17.27	188	1604360	24.35	ng/ul	0.00
76) Pyrene-d10	19.56	212	2062386	26.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	2046234	23.80	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.95	77	10161	1.13	ng/ul	90
28) Naphthalene	10.63	128	195003	4.99	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	110516	3.45	ng/ul	98
40) 1,1'-Biphenyl	13.26	154	47408	1.14	ng/ul	96
44) Dimethylphthalate	13.88	163	995368	21.63	ng/ul	99
47) Acenaphthylene	14.14	152	69024	1.25	ng/ul	97
53) Dibenzofuran	14.82	168	247411	4.61	ng/ul	95
69) Phenanthrene	17.21	178	897557	11.85	ng/ul	100
71) Anthracene	17.30	178	248237	3.18	ng/ul	99
72) Carbazole	17.57	167	137958	2.03	ng/ul#	95
74) Fluoranthene	19.23	202	1494230	15.73	ng/ul	97
77) Pyrene	19.59	202	964897	9.53	ng/ul	97
80) Benzo(a)anthracene	21.33	228	601442m	5.40	ng/ul	
82) Chrysene	21.39	228	1382756m	13.72	ng/ul	
85) Benzo(b)fluoranthene	22.94	252	1850217	16.76	ng/ul	100
86) Benzo(k)fluoranthene	22.98	252	478464m	4.69	ng/ul	
88) Benzo(a)pyrene	23.52	252	275667	2.61	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	25.90	276	336407	2.60	ng/ul	96
90) Dibenzo(a,h)anthracene	25.91	278	116508	1.08	ng/ul#	84
91) Benzo(g,h,i)perylene	26.61	276	220832	2.01	ng/ul	98

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

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 05 01:45:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BD395

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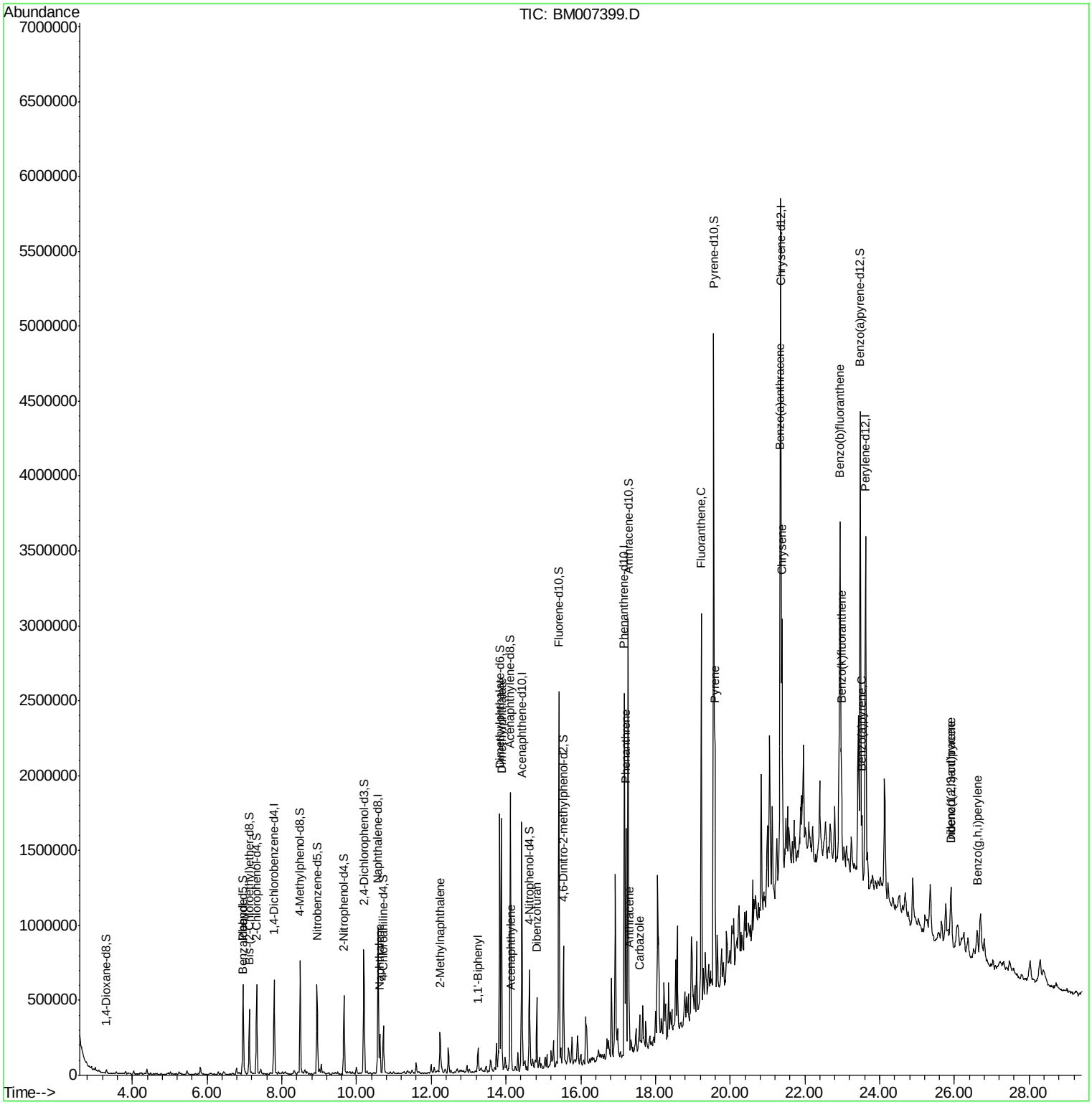
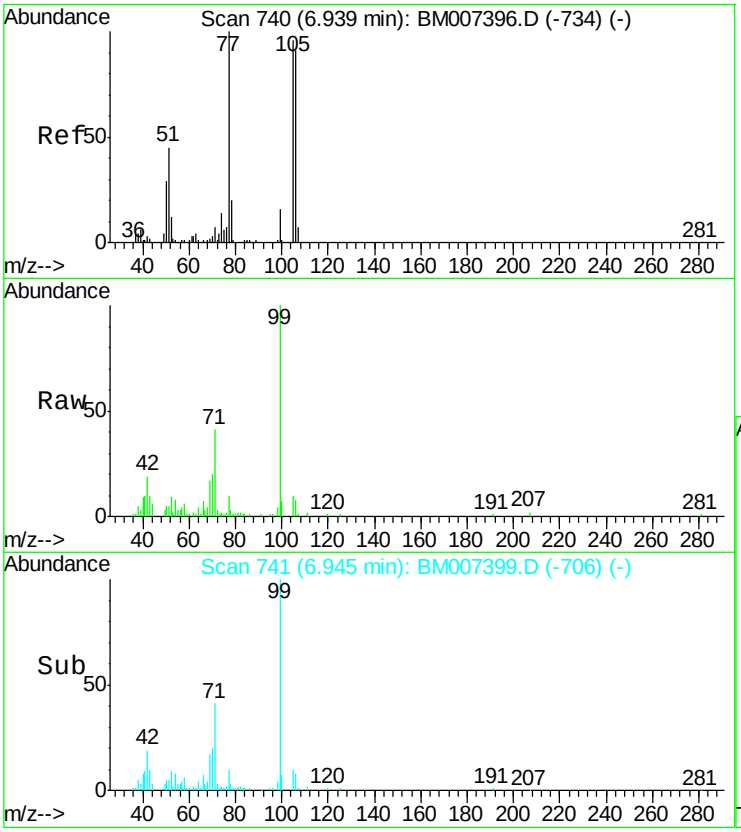
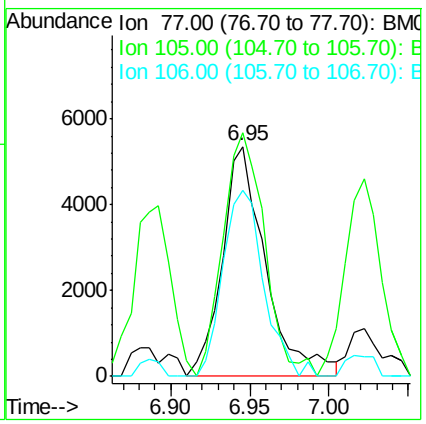




#4
Benzaldehyde
Concen: 1.13 ng/ul
RT: 6.95 min Scan# 741
Delta R.T. 0.01 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion: 77 Resp: 10161

Ion	Ratio	Lower	Upper
77	100		
105	106.0	76.9	115.3
106	81.0	71.8	107.8



Instrument :
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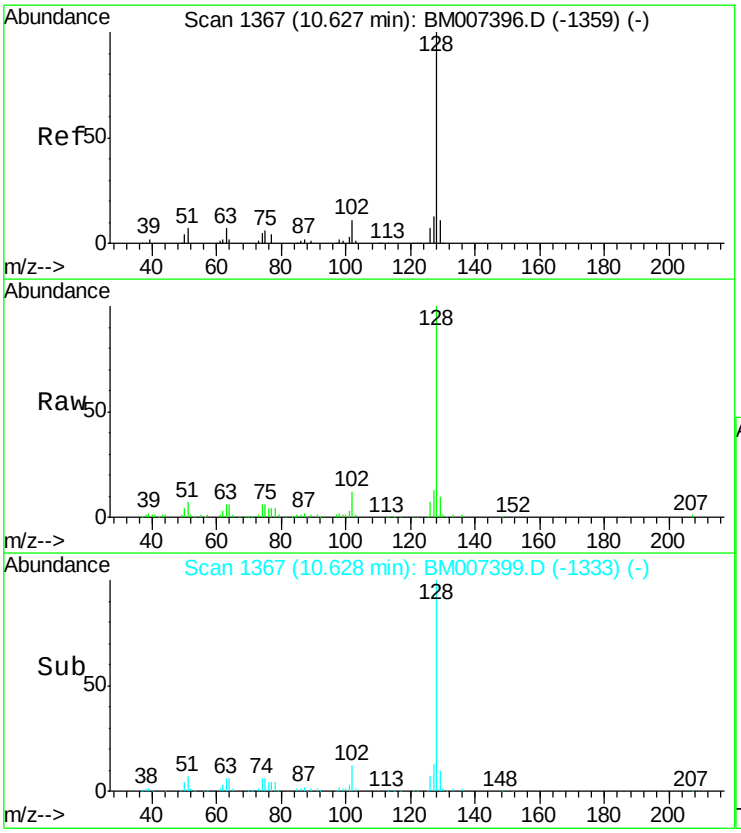
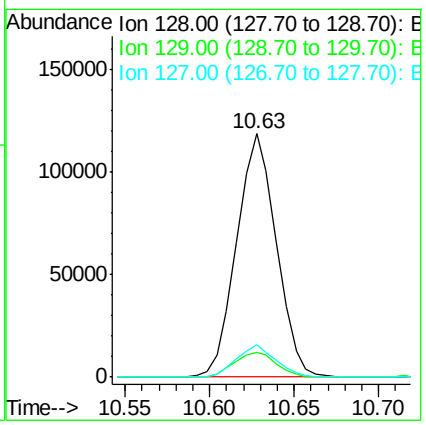
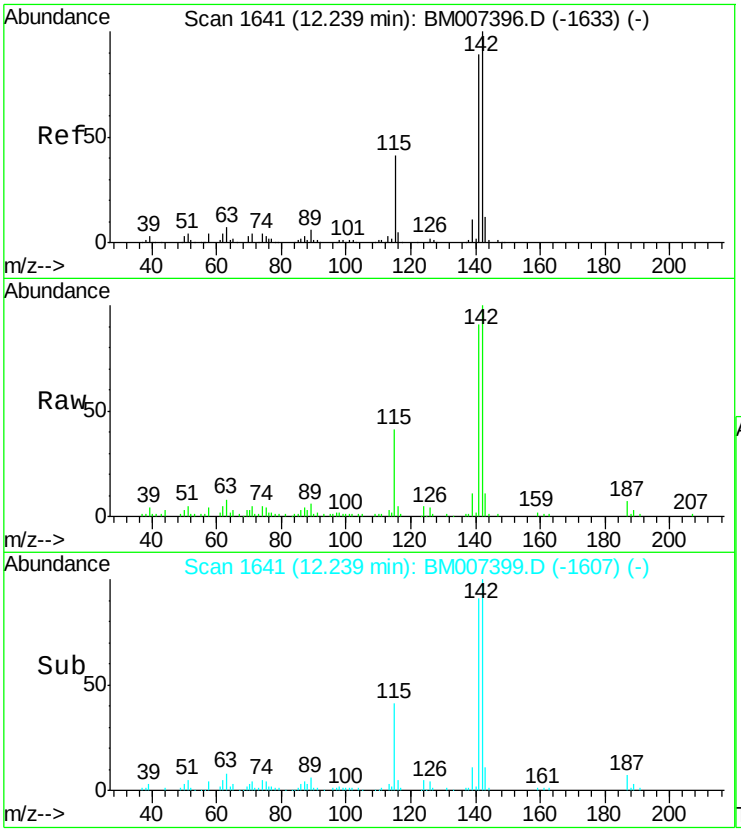


#28
Naphthalene
Concen: 4.99 ng/ul
RT: 10.63 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:128 Resp: 195003

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	12.8
127	13.1	10.6	15.8





#34
2-Methylnaphthalene
Concen: 3.45 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:142 Resp: 110516

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9

Instrument :
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ClientSampleId :
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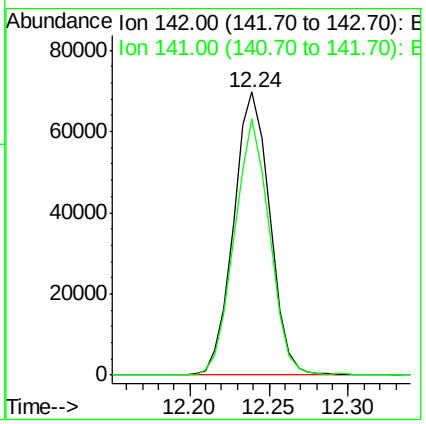
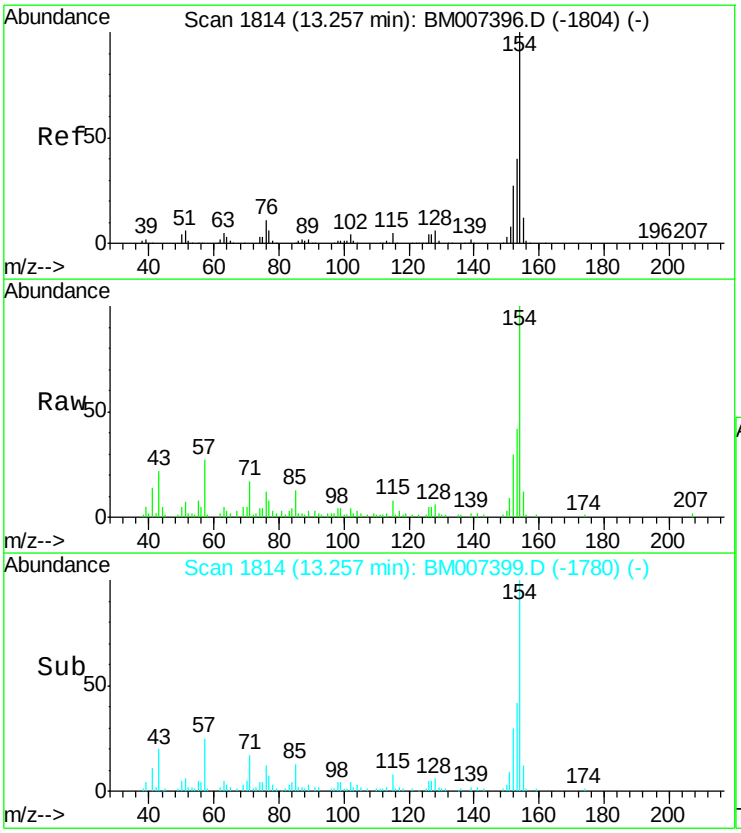
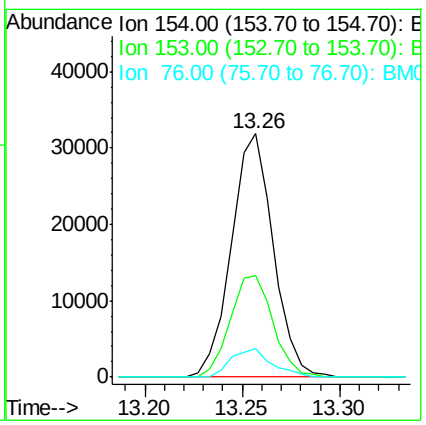


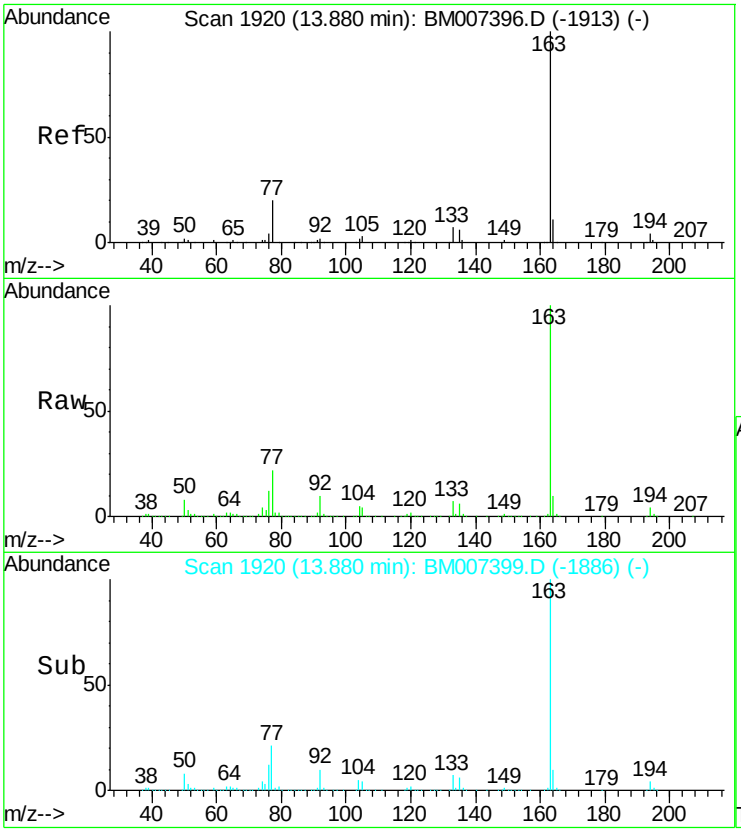


#40
1,1'-Biphenyl
Concen: 1.14 ng/ul
RT: 13.26 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:154 Resp: 47408

Ion	Ratio	Lower	Upper
154	100		
153	41.9	31.3	46.9
76	11.9	10.0	15.0

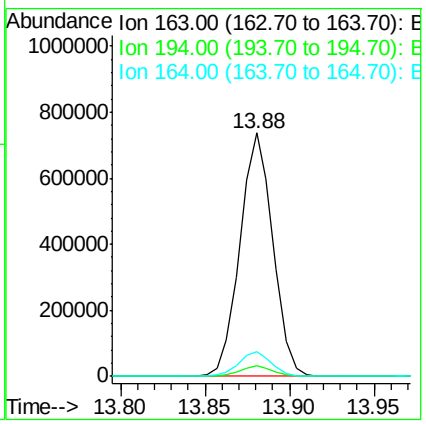




#44
Dimethylphthalate
Concen: 21.63 ng/ul
RT: 13.88 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:163 Resp: 995368

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.1	7.8	11.8



Instrument :
BNA_M
ClientSampleId :
BD395

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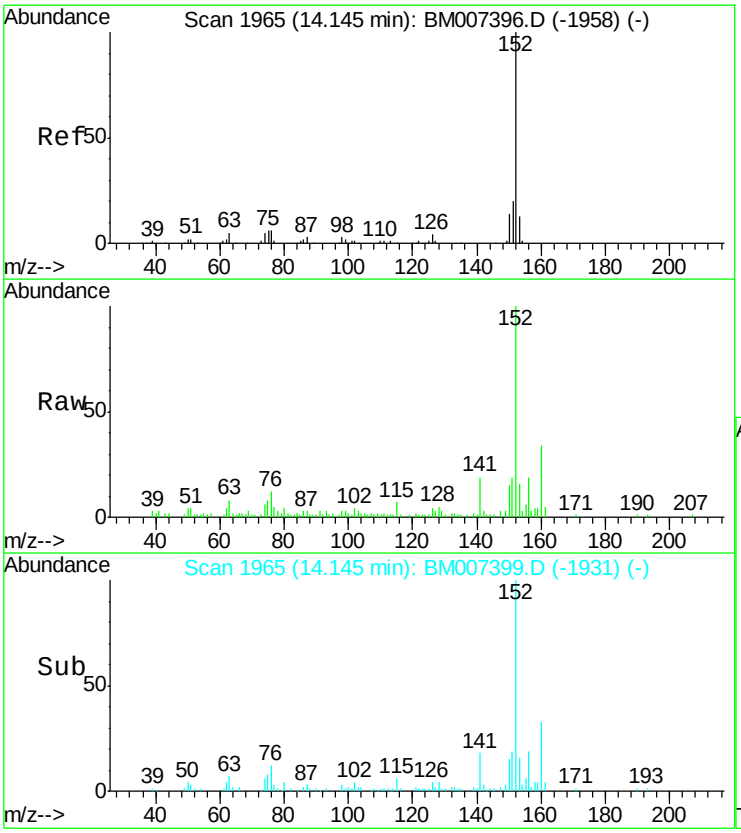
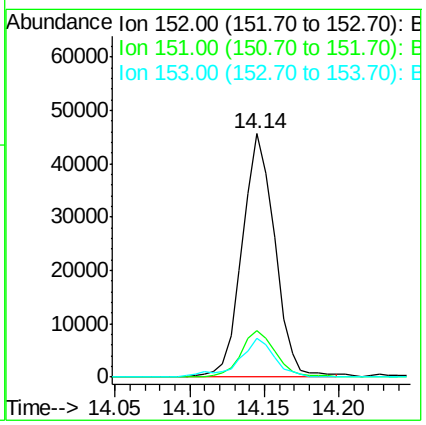
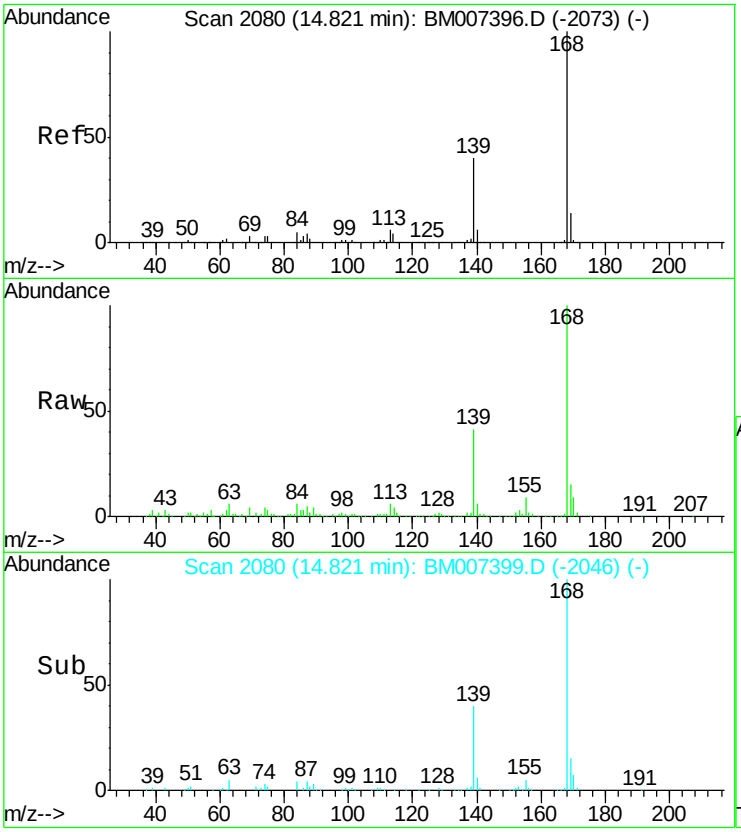


#47
Acenaphthylene
Concen: 1.25 ng/ul
RT: 14.14 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:152 Resp: 69024

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.0	24.0
153	15.9	11.0	16.6

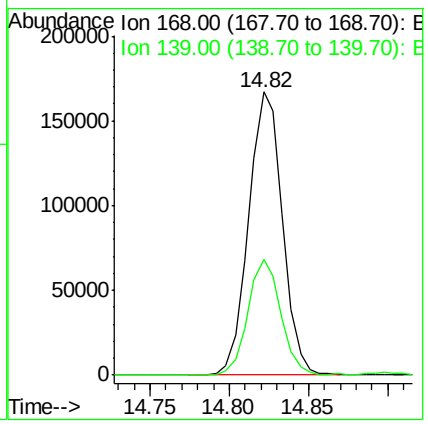




#53
Dibenzofuran
Concen: 4.61 ng/ul
RT: 14.82 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:168 Resp: 247411

Ion	Ratio	Lower	Upper
168	100		
139	40.8	30.1	45.1



Instrument :
BNA_M
ClientSampleId :
BD395

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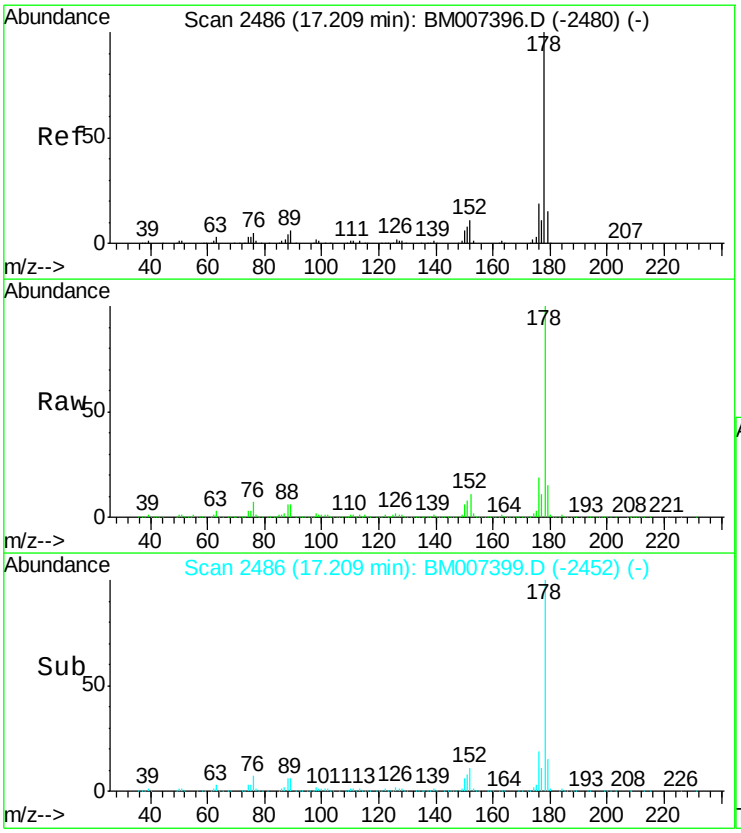
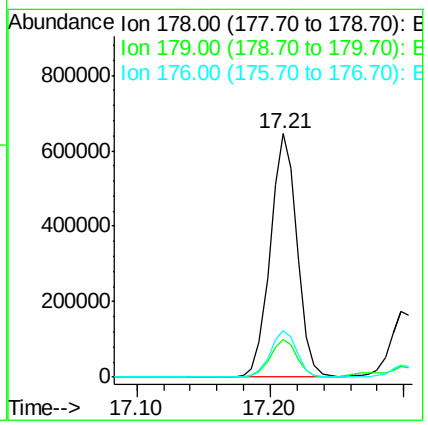
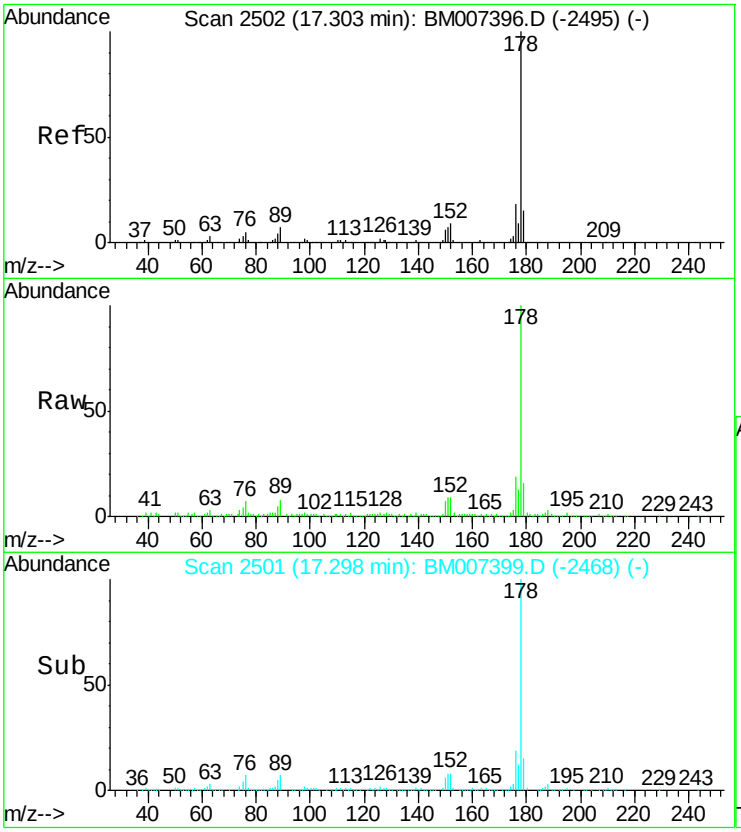


#69
Phenanthrene
Concen: 11.85 ng/ul
RT: 17.21 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:178 Resp: 897557

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.9	15.1	22.7

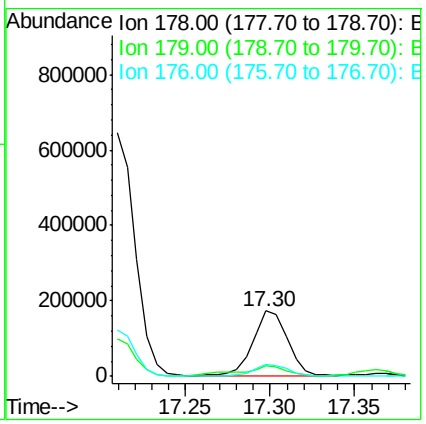




#71
Anthracene
Concen: 3.18 ng/ul
RT: 17.30 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:178 Resp: 248237

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	18.7	14.5	21.7



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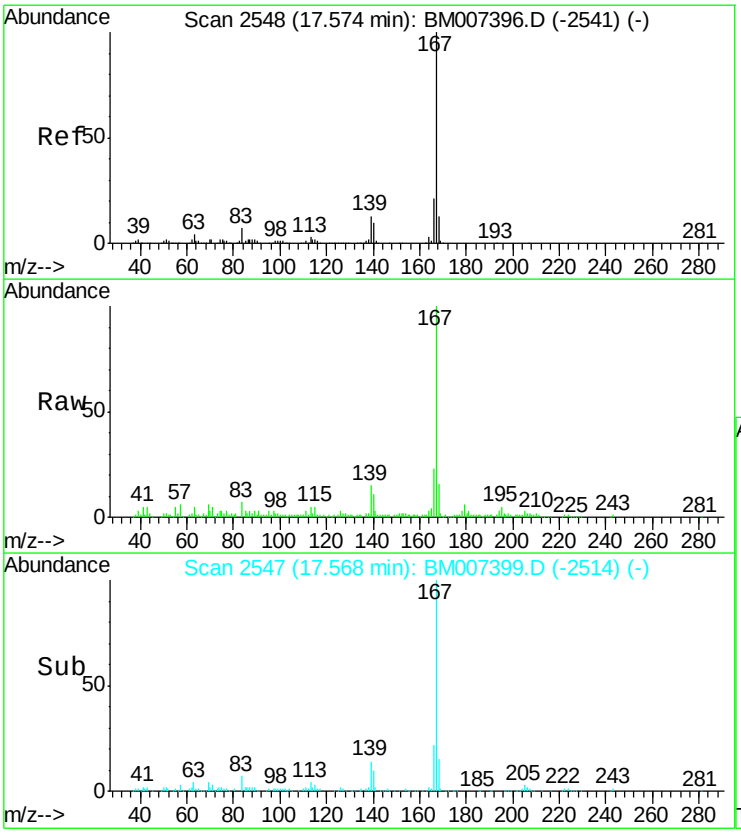
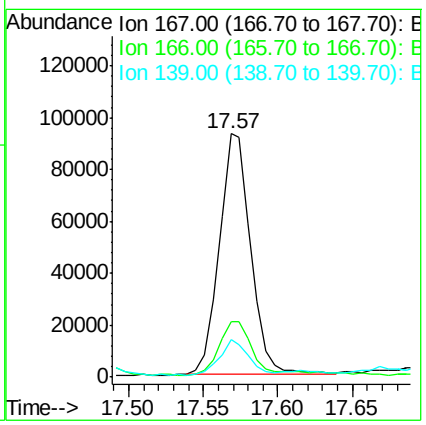
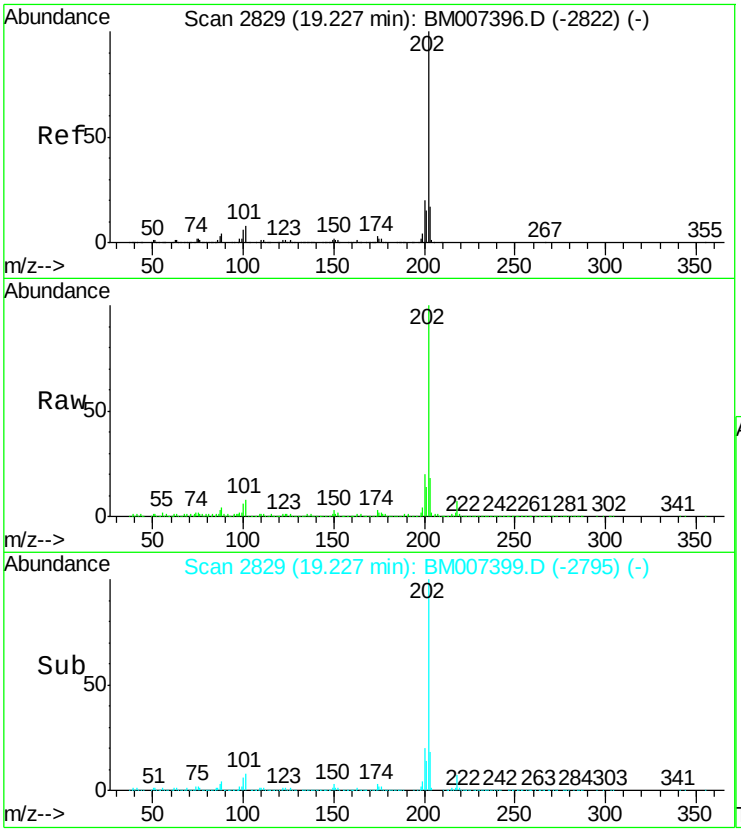


#72
Carbazole
Concen: 2.03 ng/ul
RT: 17.57 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:167 Resp: 137958

Ion	Ratio	Lower	Upper
167	100		
166	22.9	16.6	25.0
139	15.5	10.2	15.4#

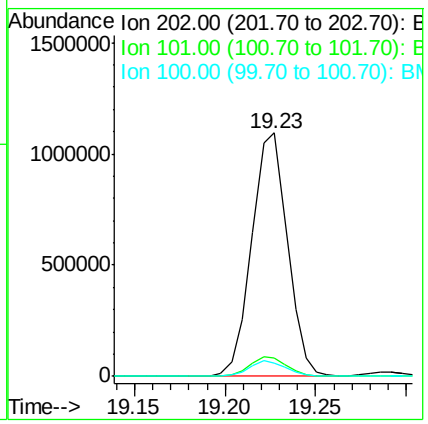




#74
Fluoranthene
Concen: 15.73 ng/ul
RT: 19.23 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:202 Resp: 1494230

Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.9	10.3
100	5.7	5.4	8.0



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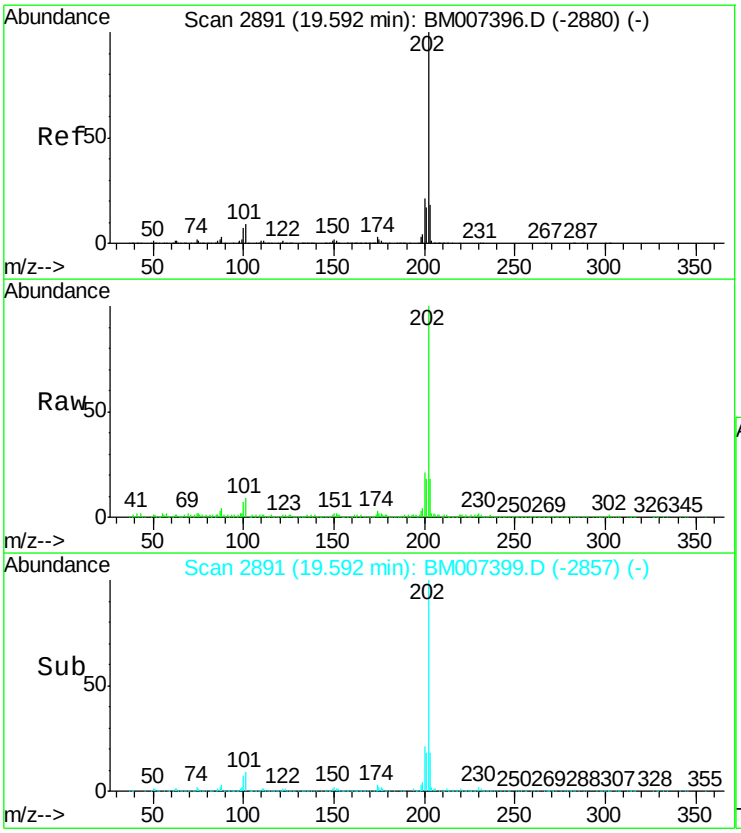
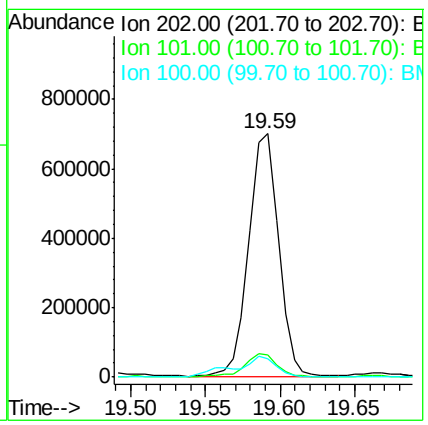
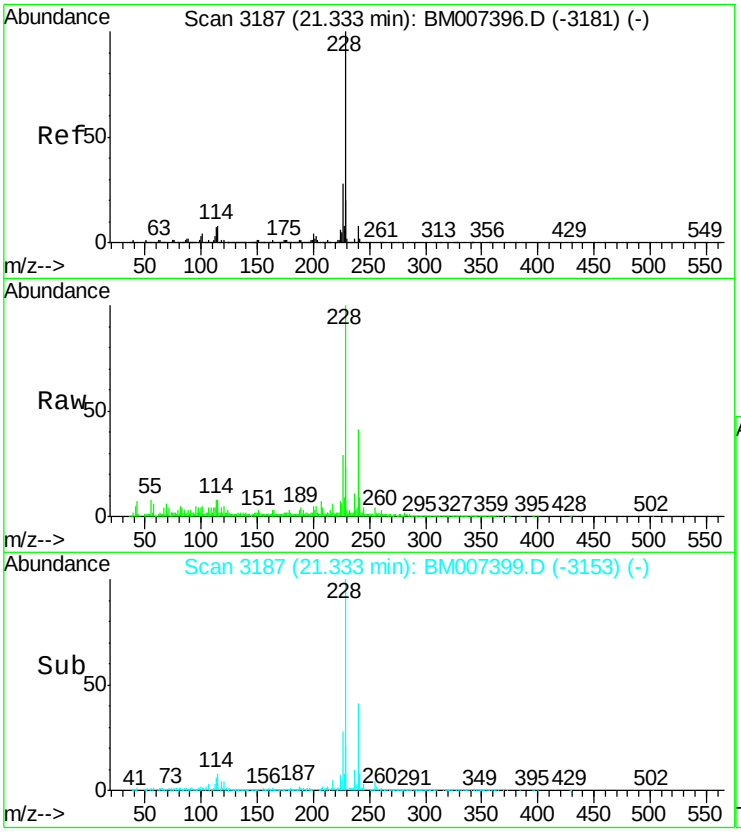


#77
Pyrene
Concen: 9.53 ng/ul
RT: 19.59 min Scan# 2891
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:202 Resp: 964897

Ion	Ratio	Lower	Upper
202	100		
101	9.2	8.4	12.6
100	7.3	6.9	10.3

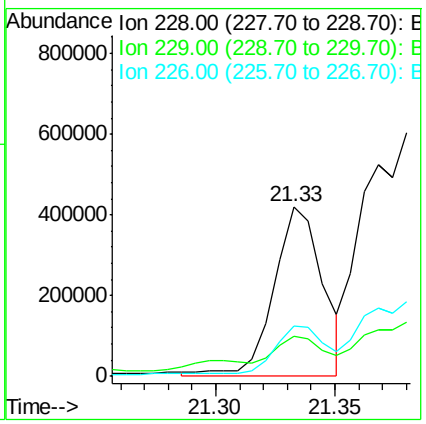




#80
Benzo(a)anthracene
Concen: 5.40 ng/ul m
RT: 21.33 min Scan# 3187
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:228 Resp: 601442

Ion	Ratio	Lower	Upper
228	100		
229	23.4	15.6	23.4#
226	29.4	21.8	32.8



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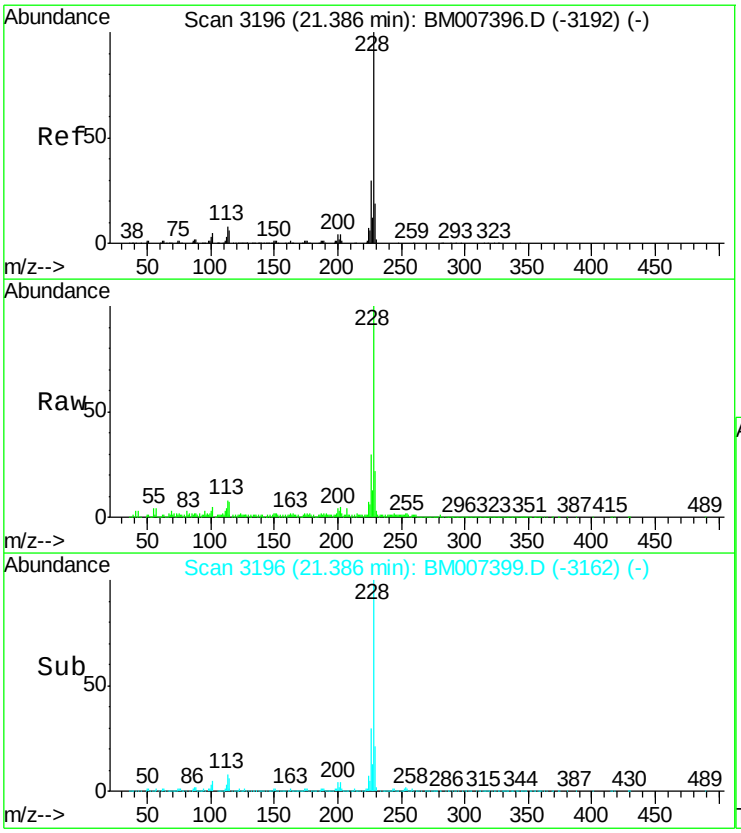
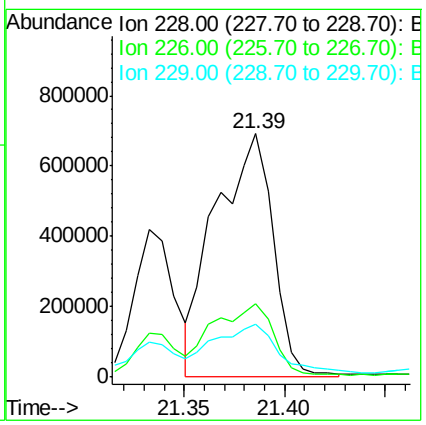
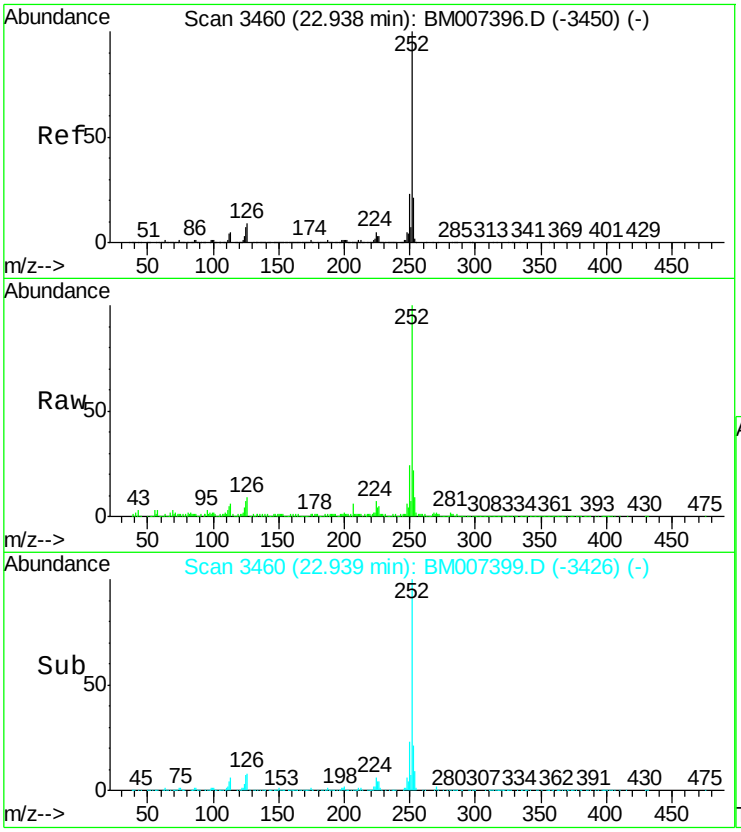


#82
Chrysene
Concen: 13.72 ng/ul m
RT: 21.39 min Scan# 3196
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:228 Resp: 1382756

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	21.7	15.5	23.3

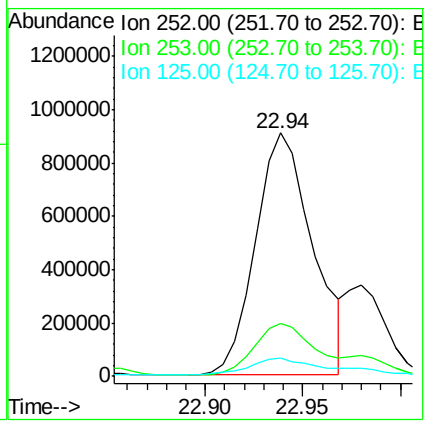




#85
Benzo(b)fluoranthene
Concen: 16.76 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:252 Resp: 1850217

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	7.4	5.8	8.8



Instrument :
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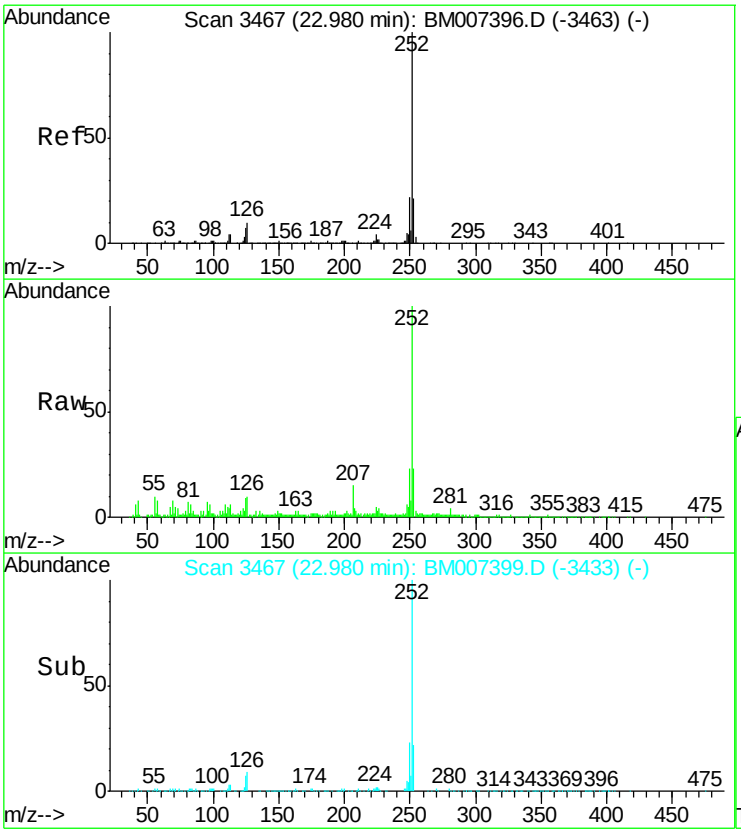
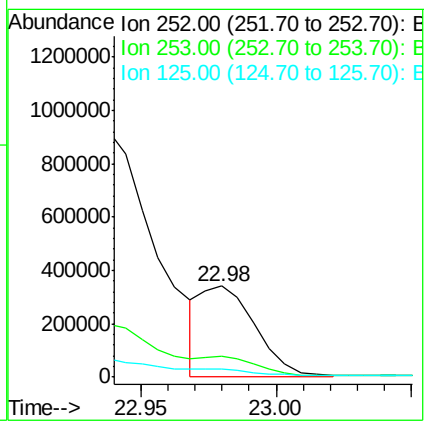
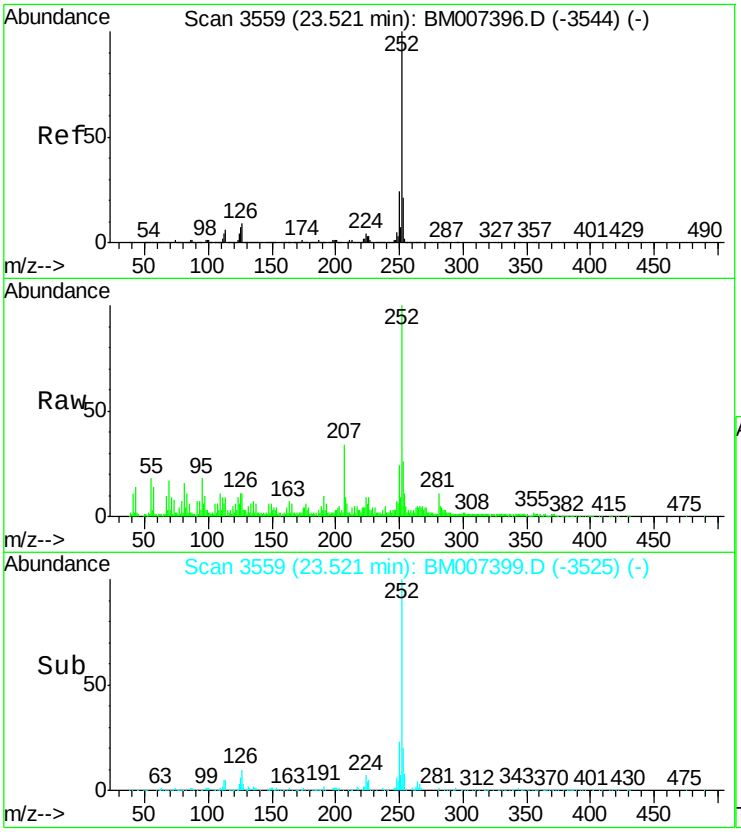


#86
Benzo(k)fluoranthene
Concen: 4.69 ng/ul m
RT: 22.98 min Scan# 3467
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:252 Resp: 478464

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	9.1	5.7	8.5#





#88
Benzo(a)pyrene
Concen: 2.61 ng/ul
RT: 23.52 min Scan# 3559
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:252 Resp: 275667

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.7	26.5
125	11.0	6.6	9.8#

Instrument :
BNA_M
ClientSampleId :
BD395

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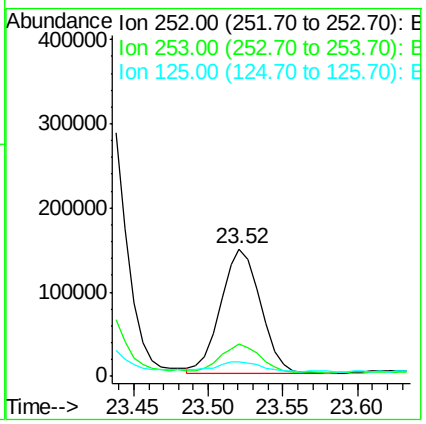
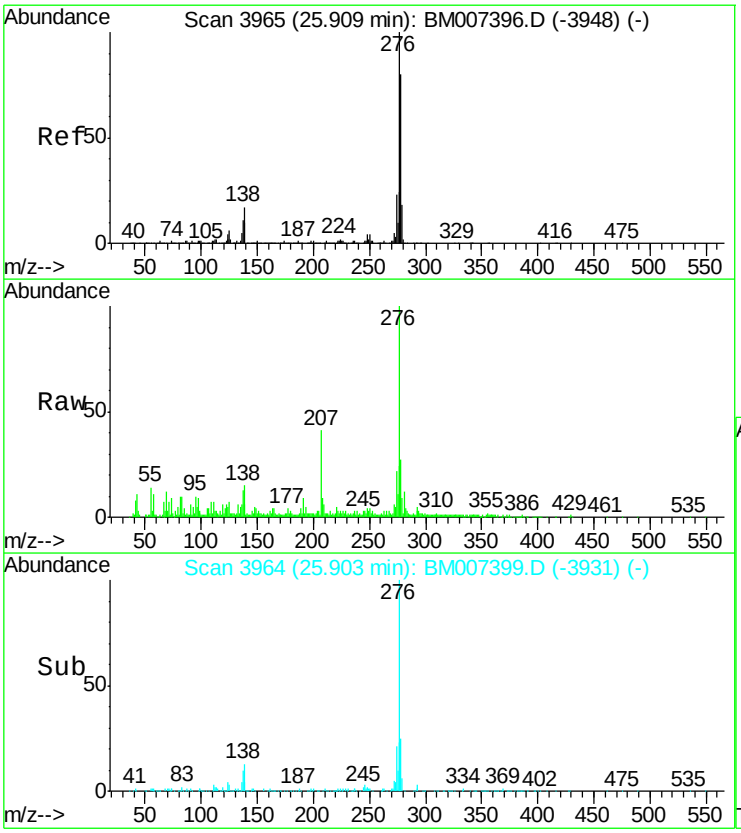
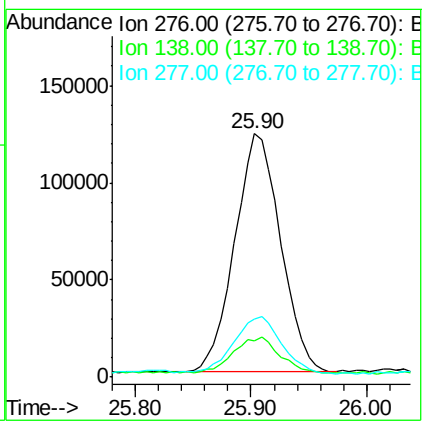


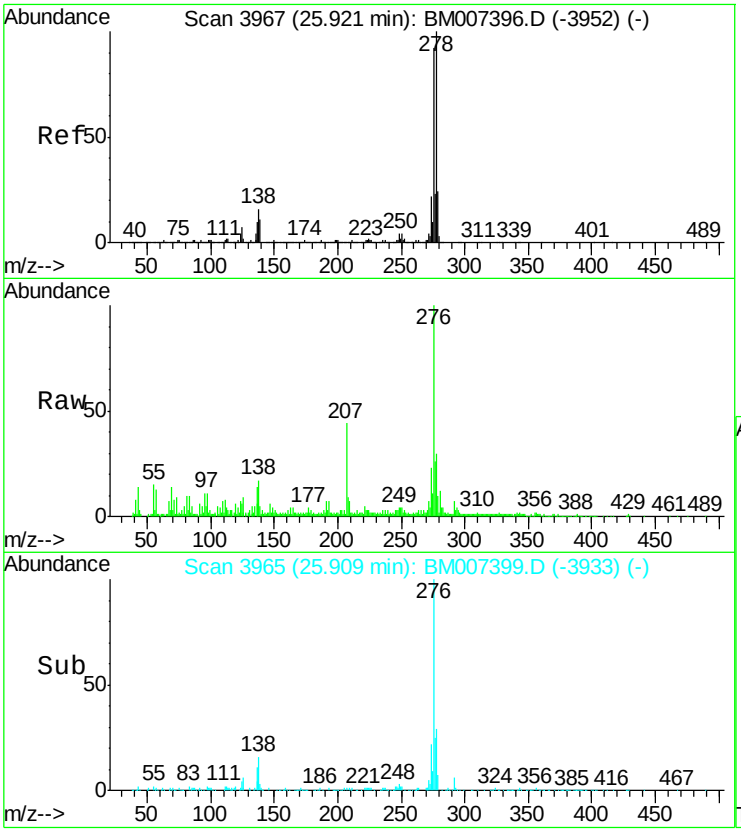


#89
Indeno(1,2,3-cd)pyrene
Concen: 2.60 ng/ul
RT: 25.90 min Scan# 3964
Delta R.T. -0.01 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:276 Resp: 336407

Ion	Ratio	Lower	Upper
276	100		
138	14.9	13.9	20.9
277	23.8	20.1	30.1

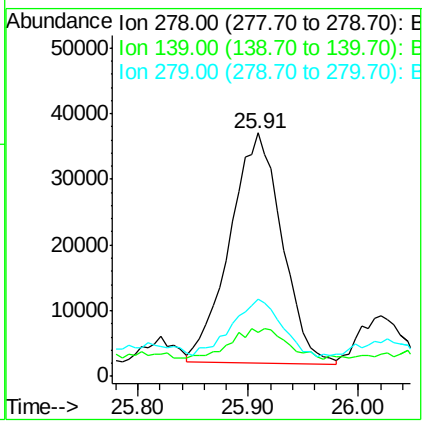




#90
Dibenzo(a,h)anthracene
Concen: 1.08 ng/ul
RT: 25.91 min Scan# 3965
Delta R.T. -0.01 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:278 Resp: 116508

Ion	Ratio	Lower	Upper
278	100		
139	18.0	9.5	14.3#
279	31.6	19.1	28.7#



Instrument :
BNA_M
ClientSampleId :
BD395

Manual Integrations APPROVED
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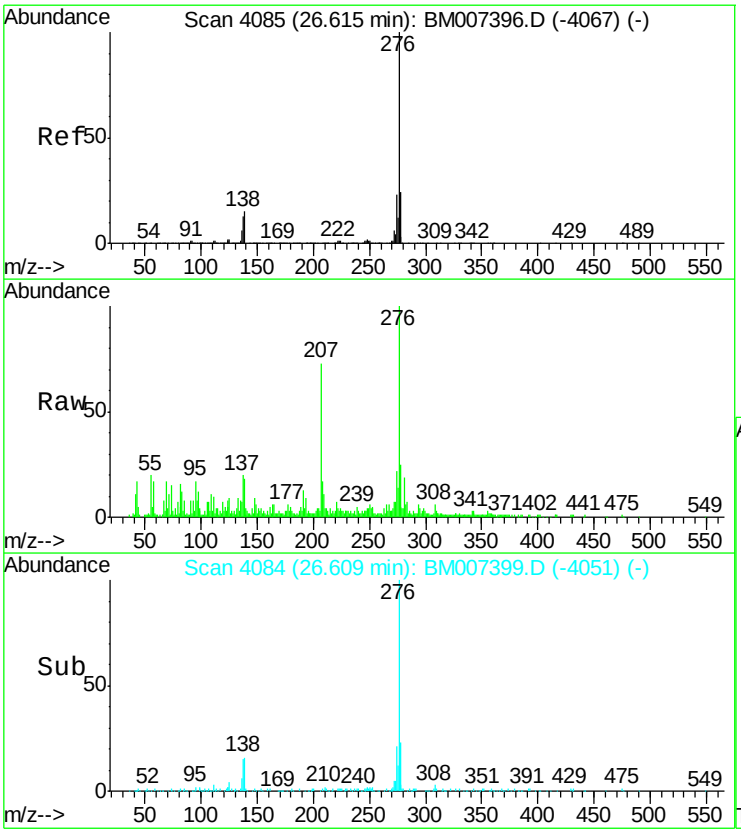

#91
Benzo(g,h,i)perylene
Concen: 2.01 ng/ul
RT: 26.61 min Scan# 4084
Delta R.T. -0.01 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:276 Resp: 220832

Ion	Ratio	Lower	Upper
276	100		
138	18.4	13.5	20.3
277	24.7	19.3	28.9