Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
Data File : BN000434.D
Acq On : 16 Mar 2018 01:49
Operator : JU/SJ
Sample : J1864-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DAMA6

Manual Integrations APPROVED
Sohil
3/16/2018 12:12:14 PM

Quant Time: Mar 16 07:29:40 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 16 06:47:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	257354	20.00	ng/ul	0.00
2) Naphthalene-d8	11.30	136	1172486	20.00	ng/ul	0.01
6) Acenaphthene-d10	15.07	164	635006	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.80	188	1317732	20.00	ng/ul	0.01
17) Chrysene-d12	21.93	240	939241	20.00	ng/ul	0.02
22) Perylene-d12	24.43	264	962269	20.00	ng/ul	0.03
System Monitoring Compounds						
7) Acenaphthylene-d8	14.77	160	1998961	31.72	ng/ul	0.00
10) Fluorene-d10	16.05	176	1278601	29.96	ng/ul	0.00
14) Anthracene-d10	17.90	188	1884184	30.60	ng/ul	0.01
18) Pyrene-d10	20.15	212	1767525	38.47	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.27	264	1355619	30.85	ng/ul	0.03
Target Compounds						Qvalue
3) Naphthalene	11.35	128	329772	5.330	ng/ul	100
4) 2-Methylnaphthalene	12.92	142	117474	2.697	ng/ul	99
5) 1-Methylnaphthalene	13.14	142	98545	2.255	ng/ul	94
8) Acenaphthylene	14.80	152	381385	6.022	ng/ul	98
9) Acenaphthene	15.14	153	182678	4.144	ng/ul	97
11) Fluorene	16.11	166	221221	4.550	ng/ul	94
13) Phenanthrene	17.85	178	5431443	71.872	ng/ul	97
15) Anthracene	17.93	178	1191800	15.542	ng/ul	98
16) Fluoranthene	19.83	202	8431821	103.266	ng/ul#	93
19) Pyrene	20.19	202	6904480	116.434	ng/ul#	87
20) Benzo(a)anthracene	21.91	228	3773640	64.628	ng/ul	96
21) Chrysene	21.97	228	3941775	71.136	ng/ul	95
23) Benzo(b)fluoranthene	23.68	252	5513453m	96.085	ng/ul	
24) Benzo(k)fluoranthene	23.71	252	1653751m	30.790	ng/ul	
26) Benzo(a)pyrene	24.33	252	3218799	58.940	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	27.04	276	2388683	40.567	ng/ul#	87
28) Dibenzo(a,h)anthracene	27.02	278	705225	14.612	ng/ul#	79
29) Benzo(g,h,i)perylene	27.84	276	2000778	40.695	ng/ul#	88

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

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Instrument :
BNA_N
ClientSampleId :
DAMA6

Manual Integrations APPROVED
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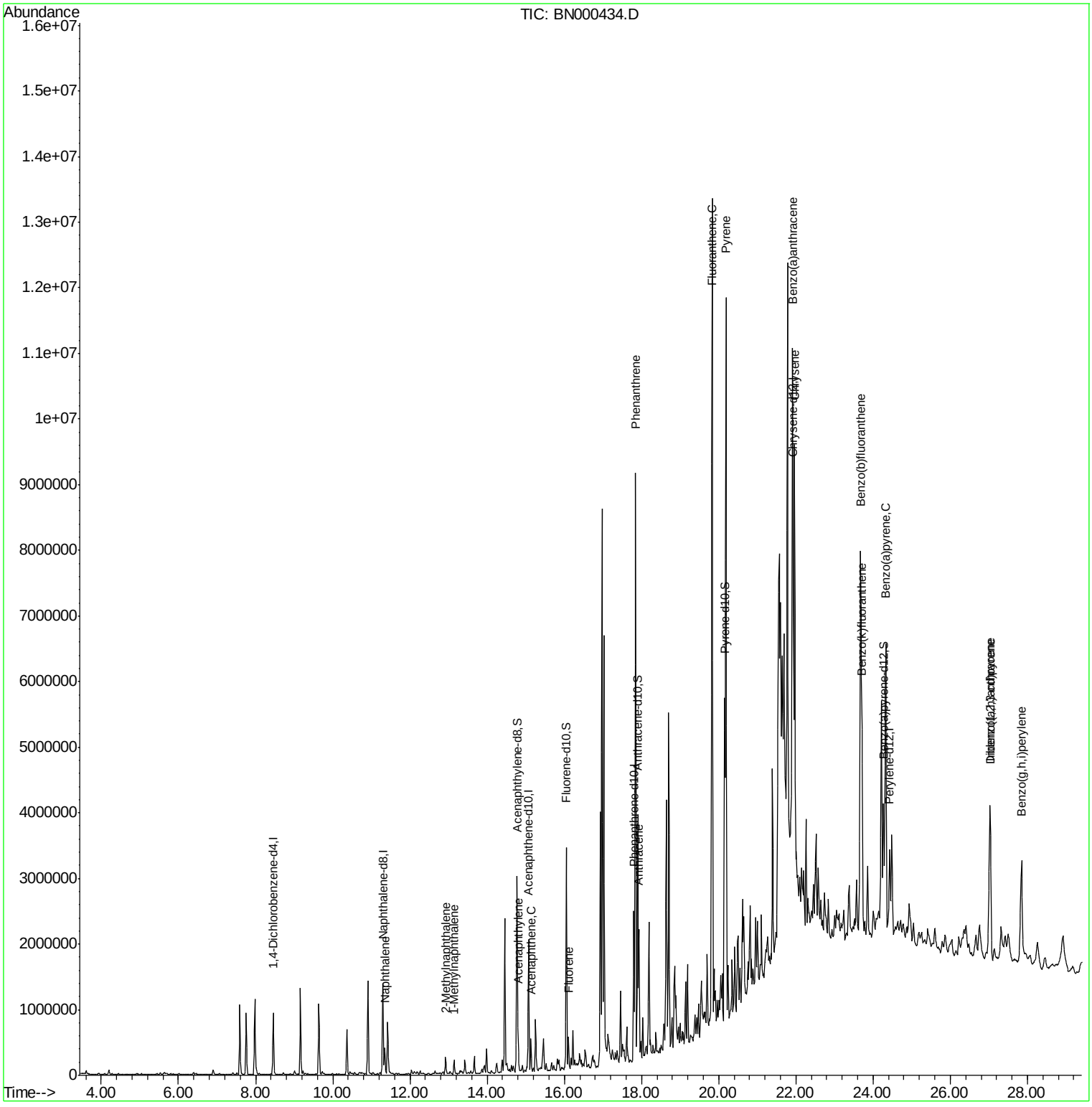
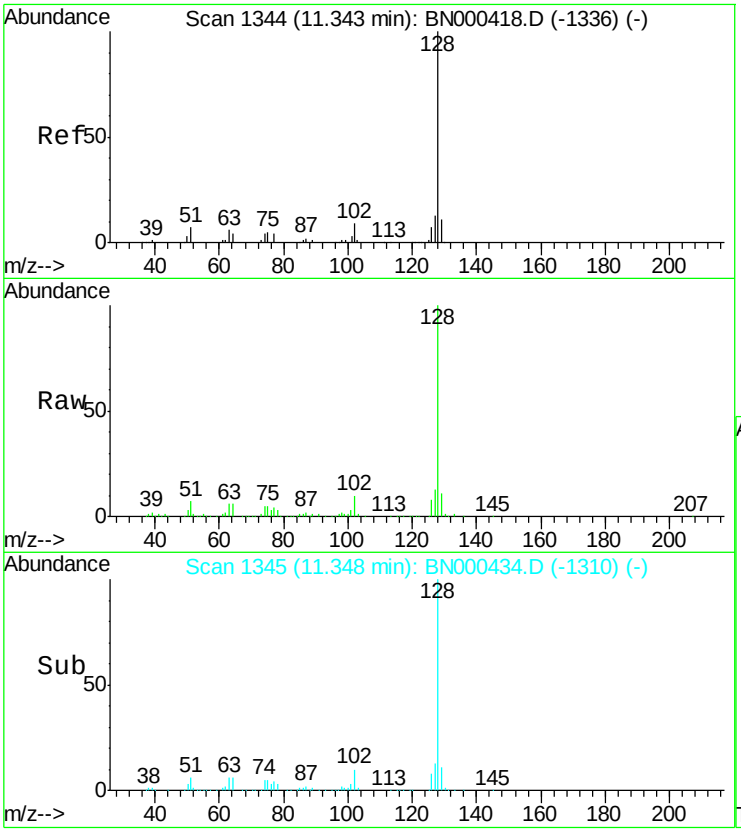
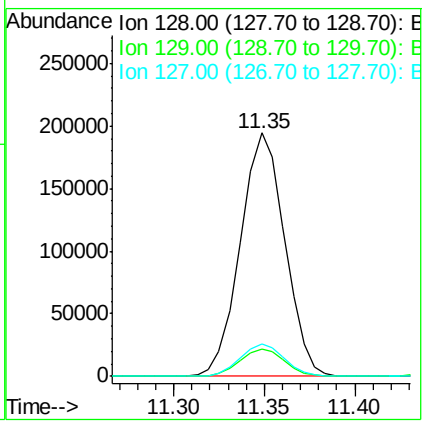




#3
Naphthalene
Concen: 5.330 ng/ul
RT: 11.35 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:128 Resp: 329772

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.3	10.6	16.0



Instrument :
BNA_N
ClientSampleId :
DAMA6

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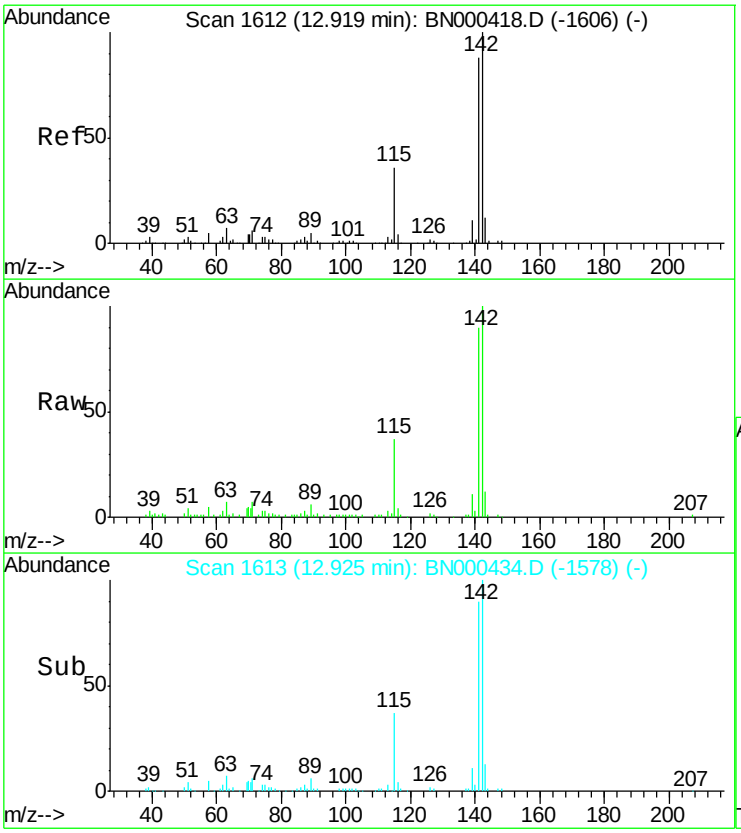
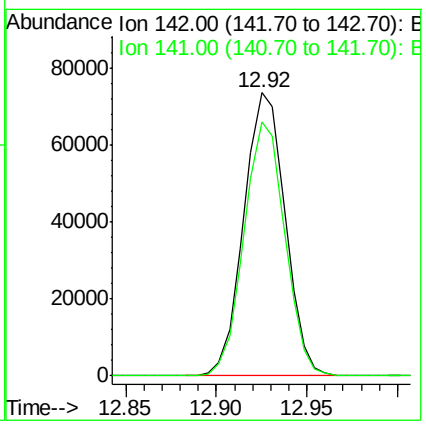
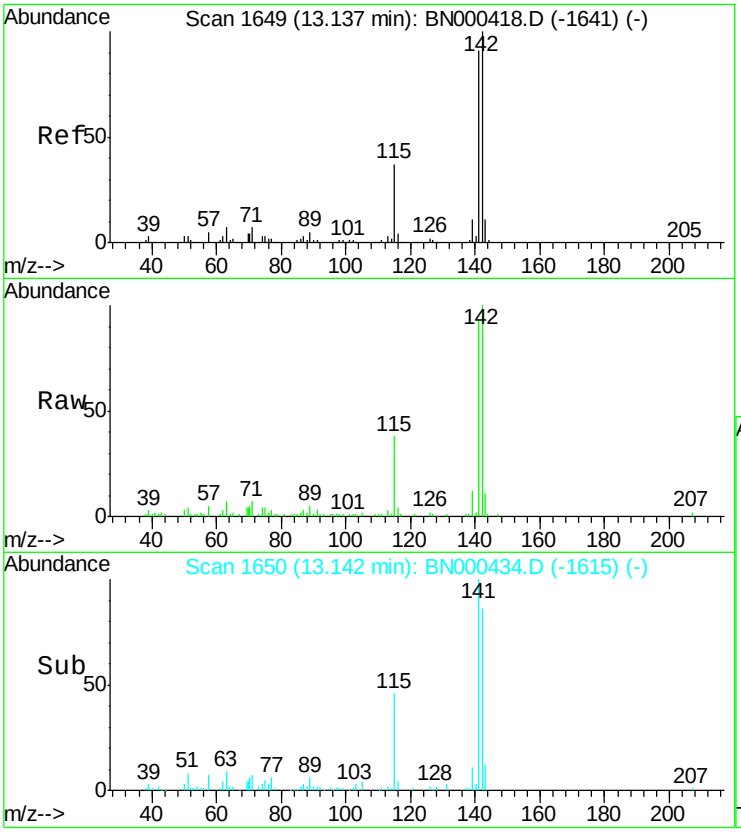


#4
2-Methylnaphthalene
Concen: 2.697 ng/ul
RT: 12.92 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:142 Resp: 117474

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.7	109.1

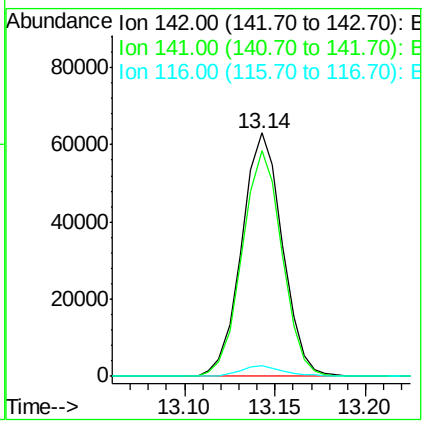




#5
1-Methylnaphthalene
Concen: 2.255 ng/ul
RT: 13.14 min Scan# 1650
Delta R.T. 0.01 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:142 Resp: 98545

Ion	Ratio	Lower	Upper
142	100		
141	92.8	79.3	118.9
116	4.3	4.2	6.2



Instrument :
BNA_N
ClientSampleId :
DAMA6

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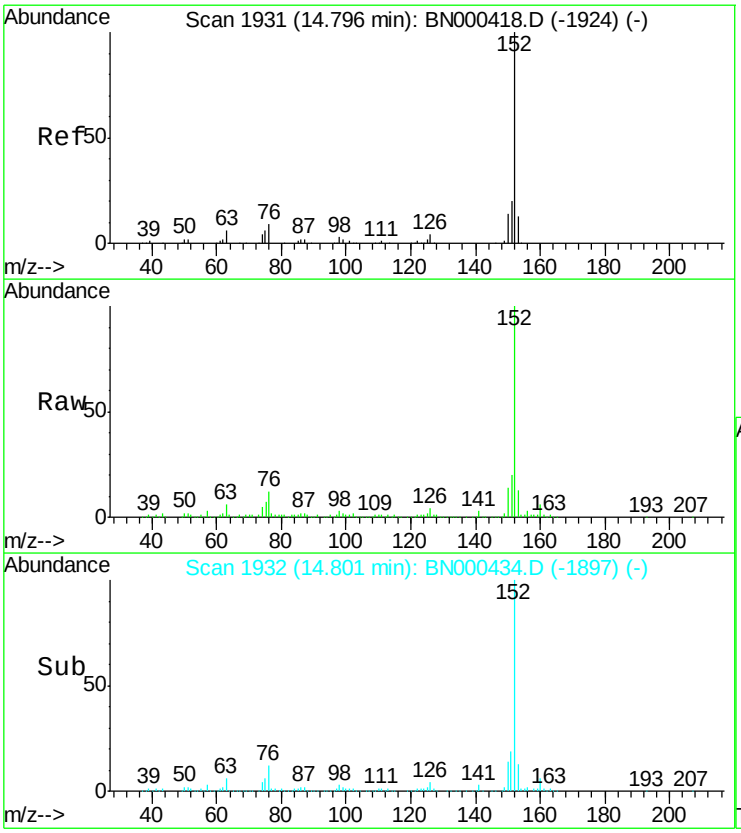
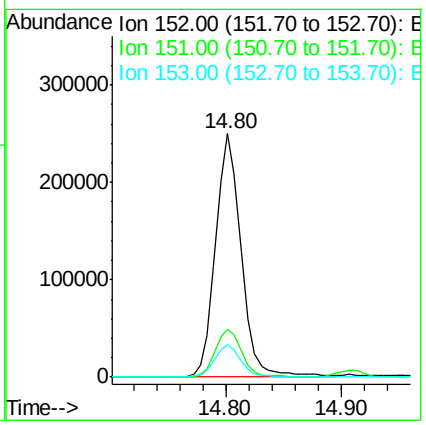
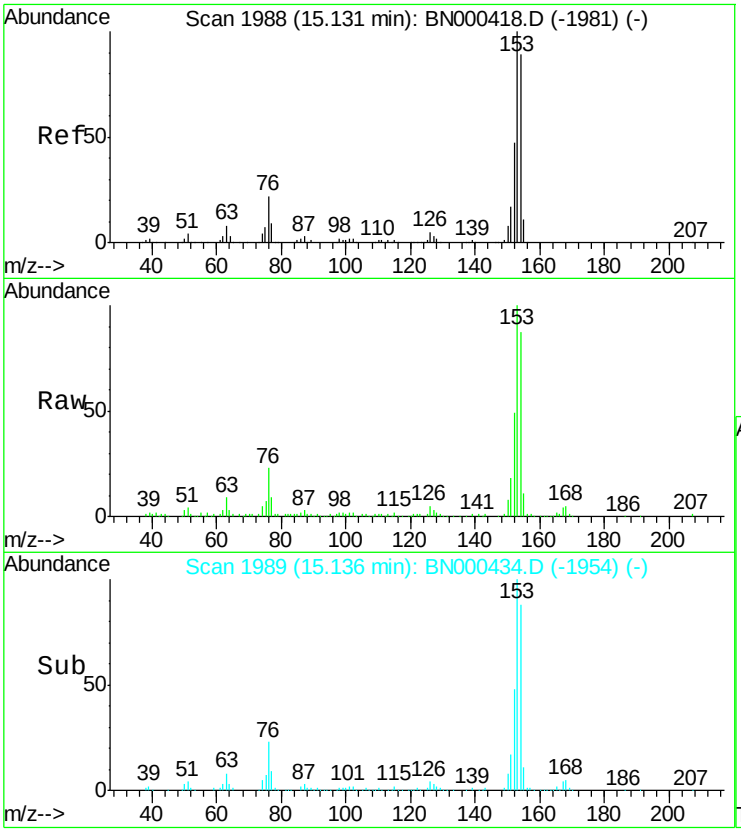


#8
Acenaphthylene
Concen: 6.022 ng/ul
RT: 14.80 min Scan# 1932
Delta R.T. 0.01 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:152 Resp: 381385

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.7	25.1
153	13.4	10.2	15.4

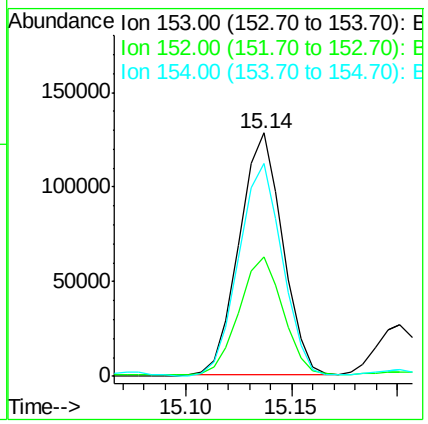




#9
Acenaphthene
Concen: 4.144 ng/ul
RT: 15.14 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:153 Resp: 182678

Ion	Ratio	Lower	Upper
153	100		
152	49.1	39.0	58.6
154	87.2	66.8	100.2



Instrument :
BNA_N
ClientSampleId :
DAMA6

Manual Integrations APPROVED
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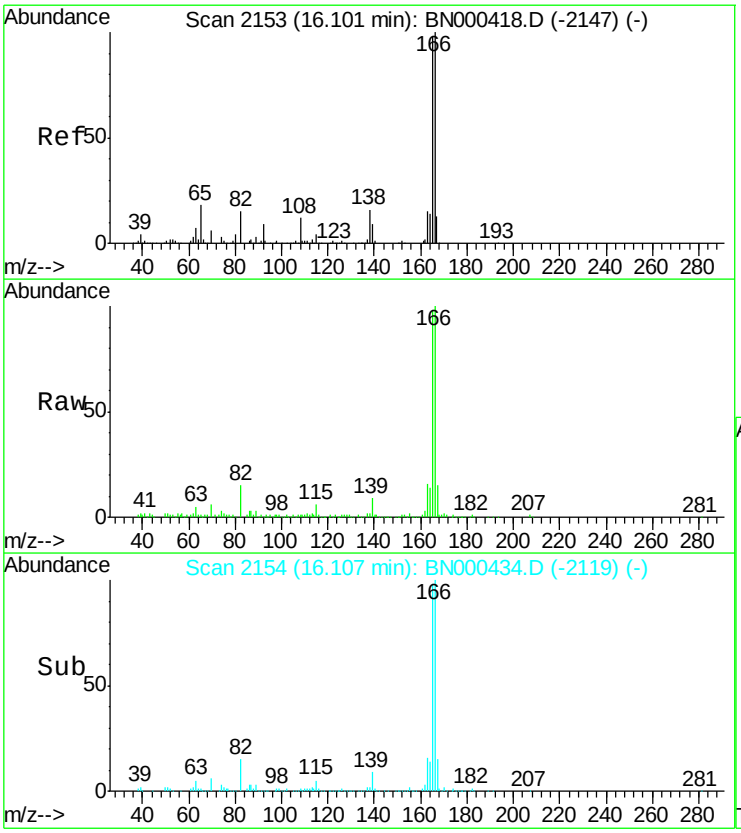
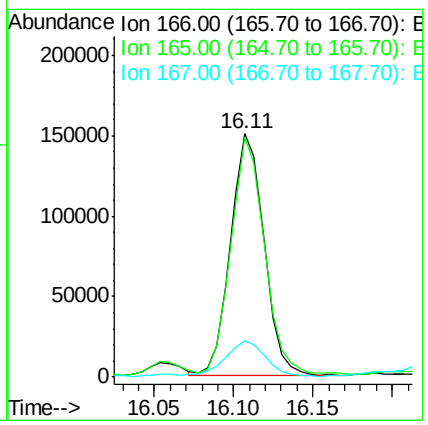
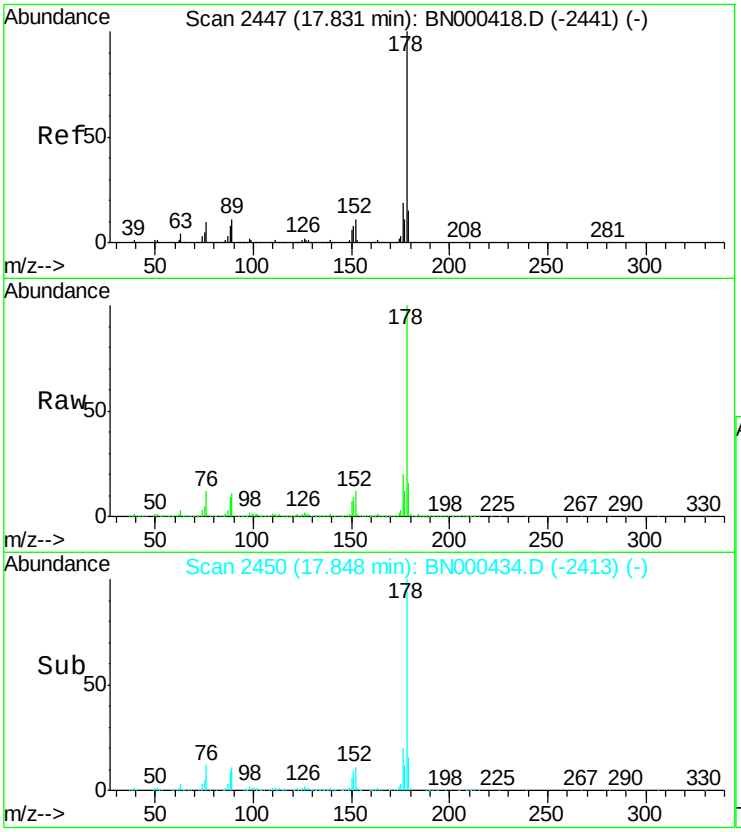


#11
Fluorene
Concen: 4.550 ng/ul
RT: 16.11 min Scan# 2154
Delta R.T. 0.01 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:166 Resp: 221221

Ion	Ratio	Lower	Upper
166	100		
165	98.4	83.8	125.8
167	14.7	11.5	17.3

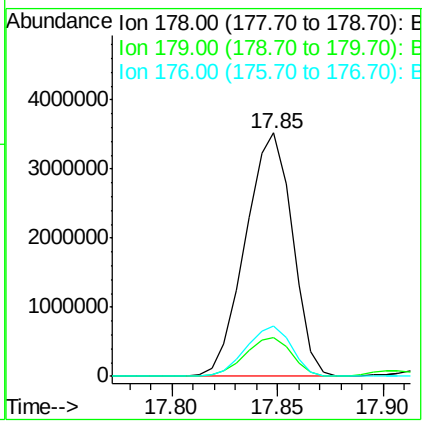




#13
Phenanthrene
Concen: 71.872 ng/ul
RT: 17.85 min Scan# 2450
Delta R.T. 0.02 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:178 Resp: 5431443

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.3	18.5
176	20.4	15.1	22.7



Instrument :
BNA_N
ClientSampleId :
DAMA6

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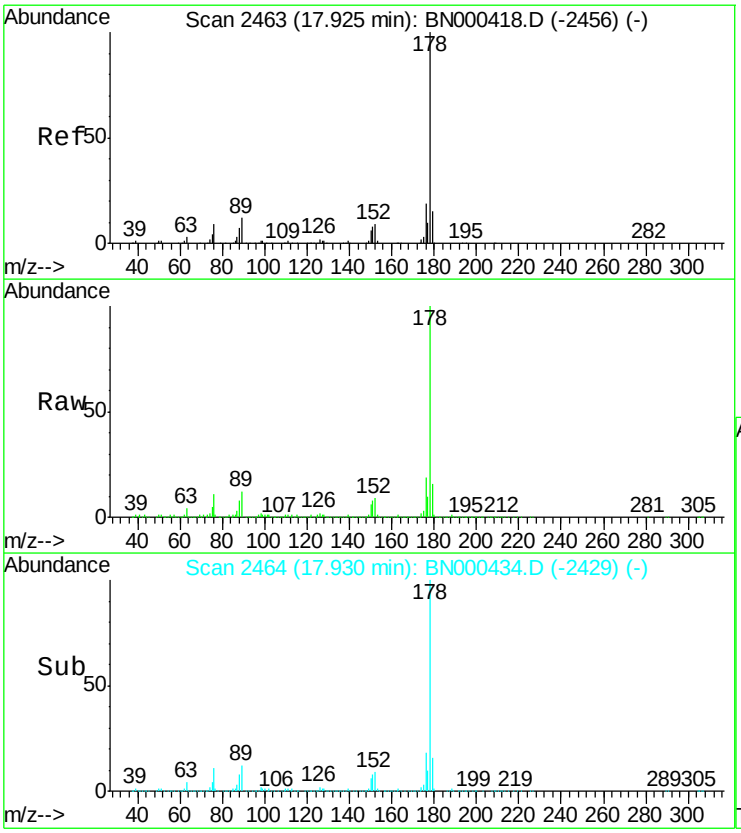
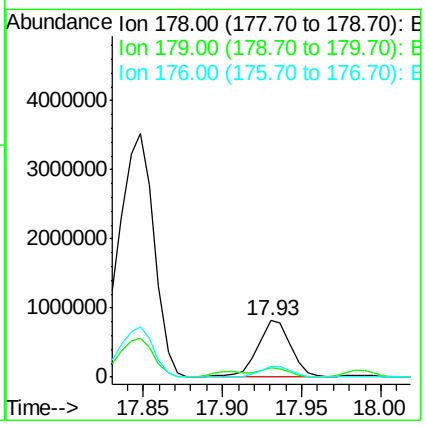
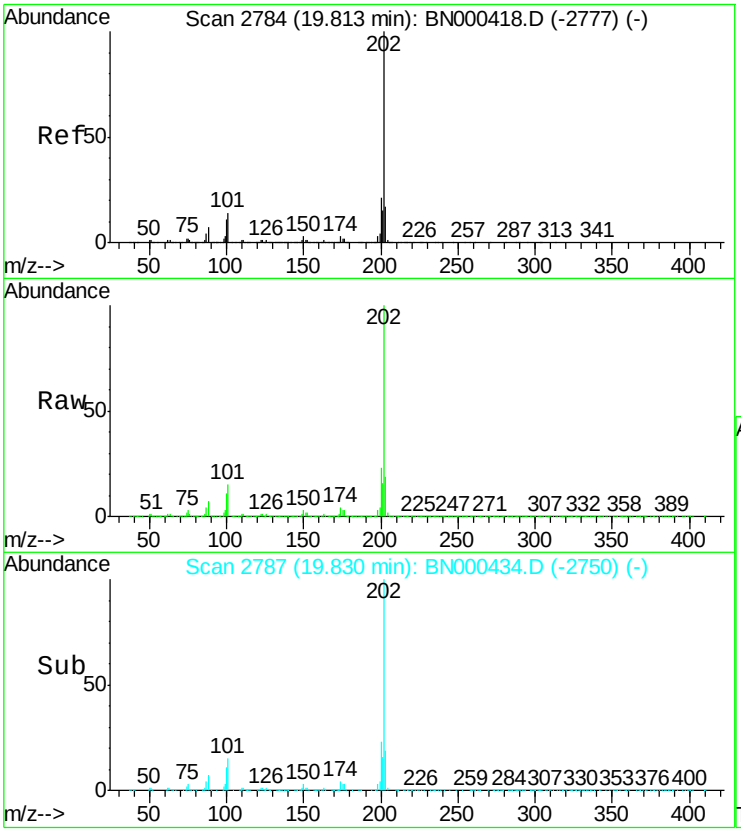


#15
Anthracene
Concen: 15.542 ng/ul
RT: 17.93 min Scan# 2464
Delta R.T. 0.01 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:178 Resp: 1191800

Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.8
176	18.5	15.2	22.8





#16
Fluoranthene
Concen: 103.266 ng/ul
RT: 19.83 min Scan# 2787
Delta R.T. 0.02 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:202 Resp: 8431821

Ion	Ratio	Lower	Upper
202	100		
101	15.2	9.9	14.9#
100	11.4	7.4	11.0#

Instrument :
BNA_N
ClientSampleId :
DAMA6

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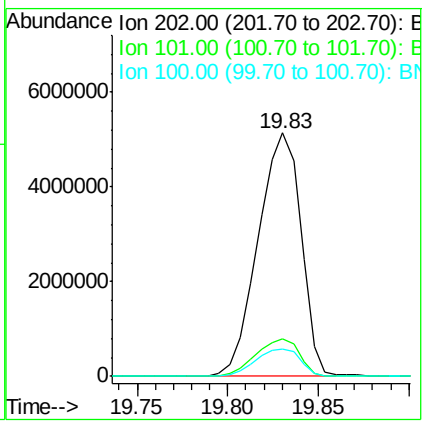
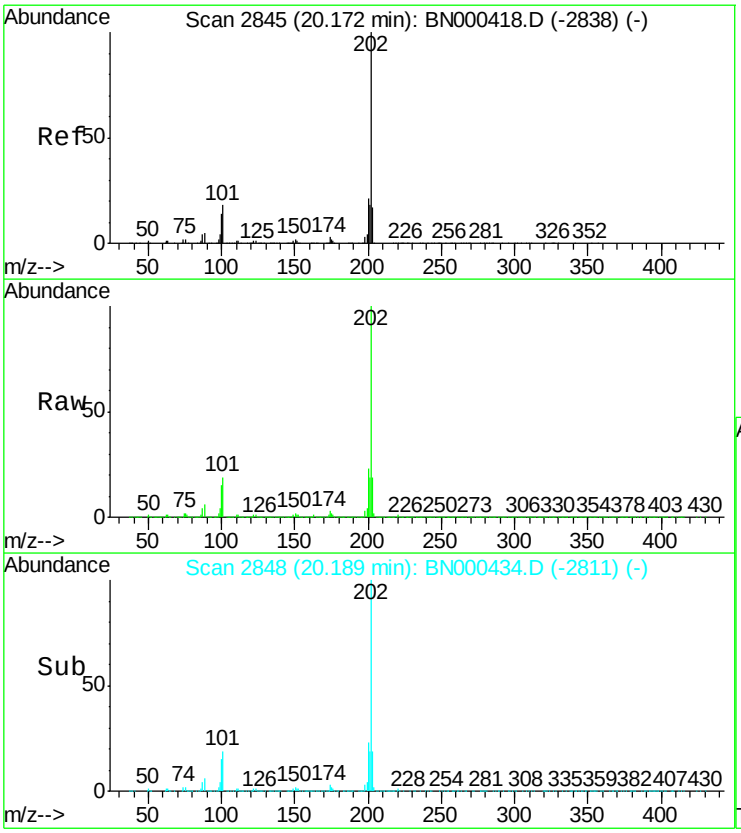
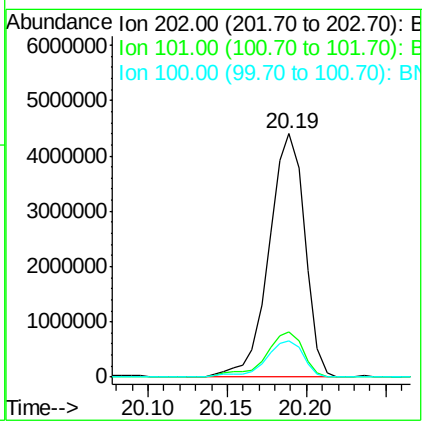


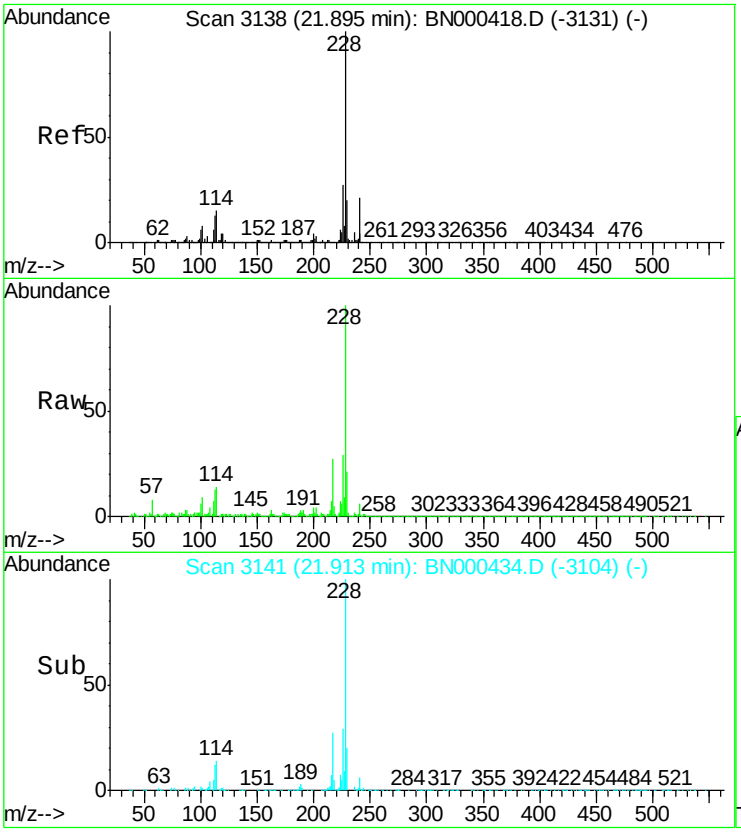


#19
Pyrene
Concen: 116.434 ng/ul
RT: 20.19 min Scan# 2848
Delta R.T. 0.02 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:202 Resp: 6904480

Ion	Ratio	Lower	Upper
202	100		
101	18.5	11.0	16.4#
100	15.1	8.1	12.1#

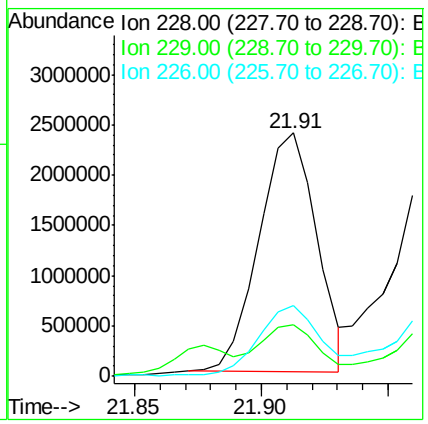




#20
Benzo(a)anthracene
Concen: 64.628 ng/ul
RT: 21.91 min Scan# 3141
Delta R.T. 0.02 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:228 Resp: 3773640

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.7	23.5
226	28.9	21.1	31.7



Instrument :
BNA_N
ClientSampleId :
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Manual Integrations APPROVED
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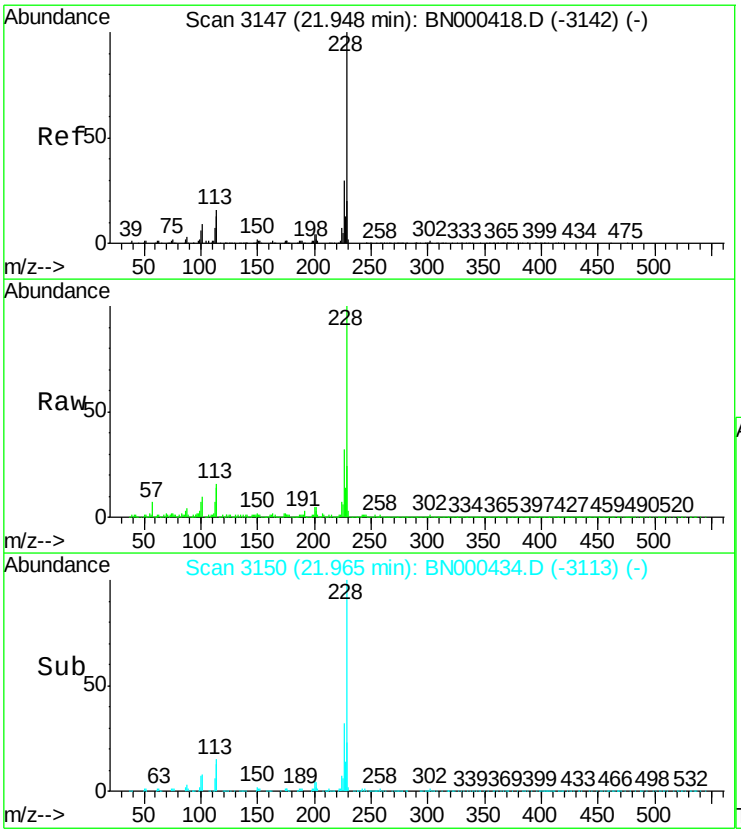
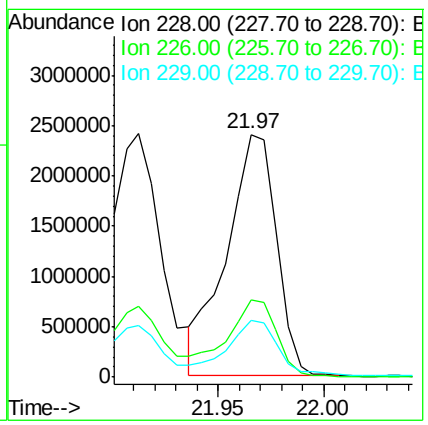
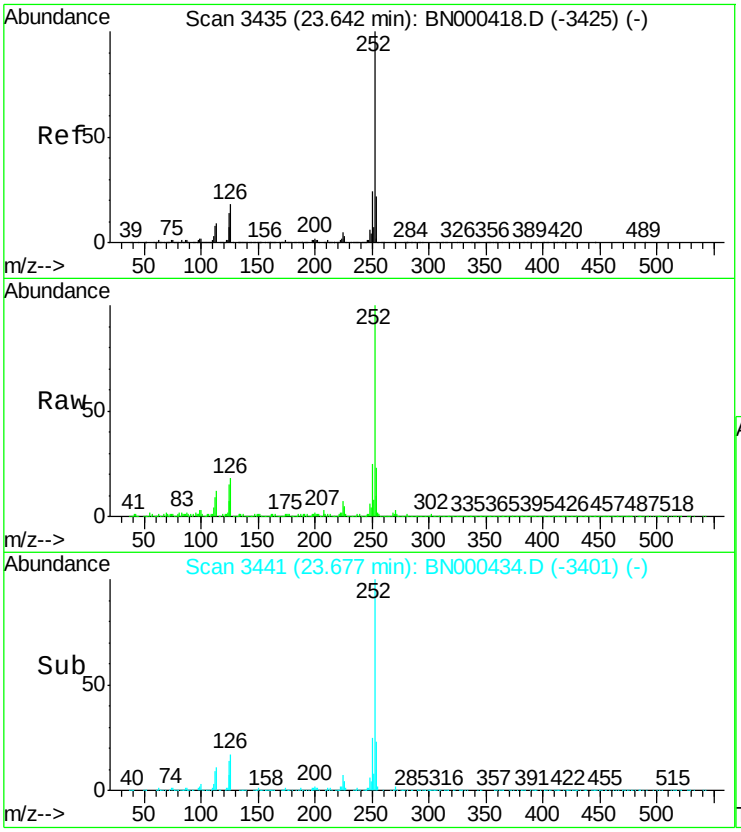


#21
Chrysene
Concen: 71.136 ng/ul
RT: 21.97 min Scan# 3150
Delta R.T. 0.02 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:228 Resp: 3941775

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.5	36.7
229	23.6	15.8	23.8

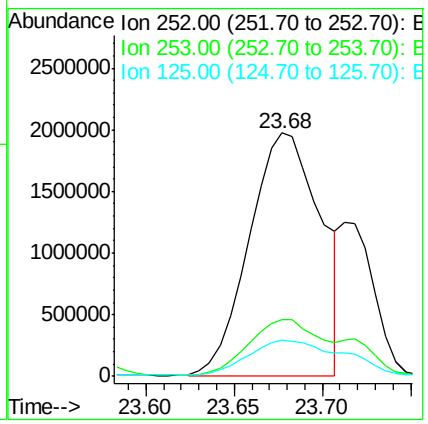




#23
Benzo(b)fluoranthene
Concen: 96.085 ng/ul m
RT: 23.68 min Scan# 3441
Delta R.T. 0.04 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:252 Resp: 5513453

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	14.9	8.0	12.0#



Instrument :
BNA_N
ClientSampleId :
DAMA6

Manual Integrations APPROVED
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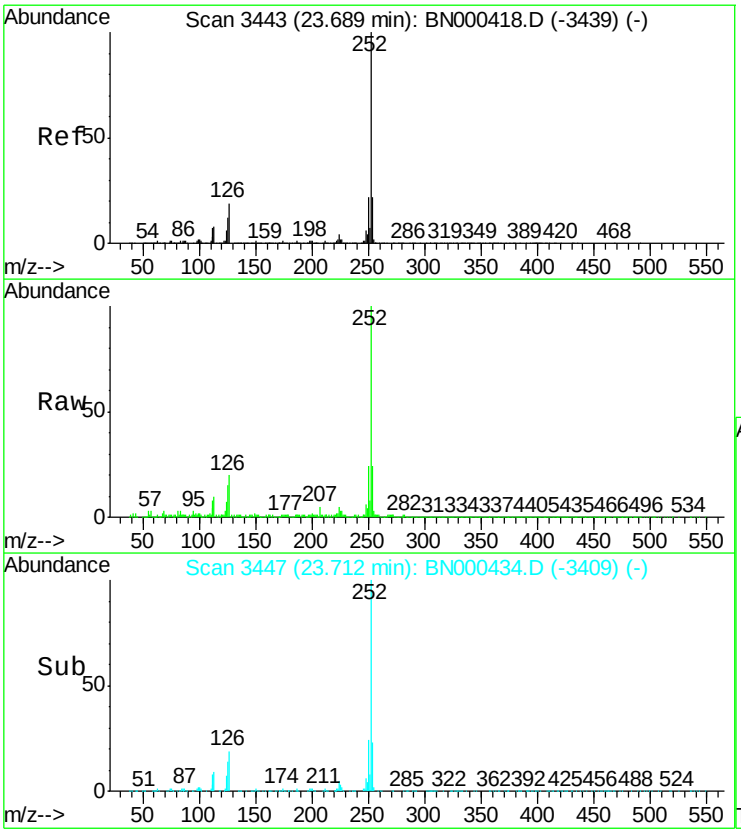
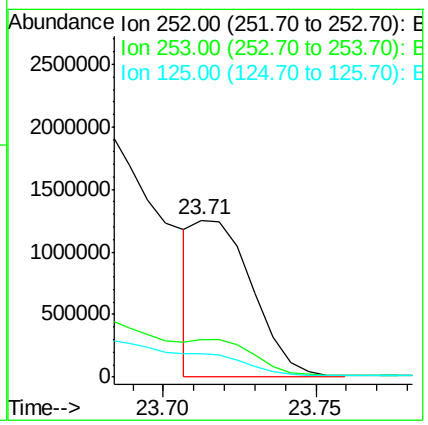
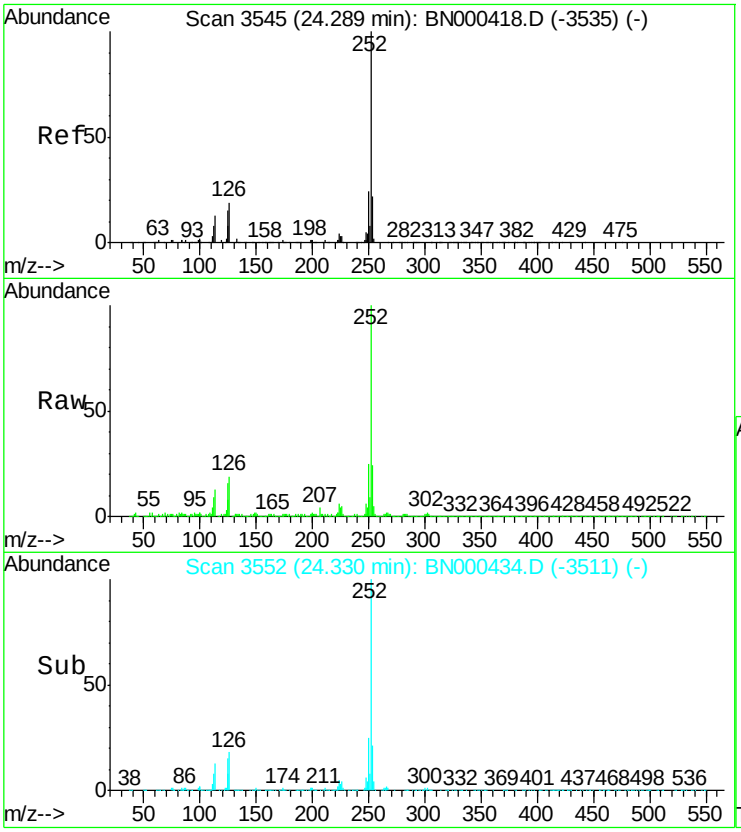


#24
Benzo(k)fluoranthene
Concen: 30.790 ng/ul m
RT: 23.71 min Scan# 3447
Delta R.T. 0.02 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:252 Resp: 1653751

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	15.0	8.1	12.1#

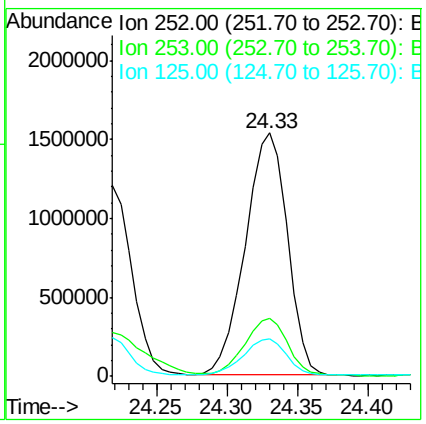




#26
Benzo(a)pyrene
Concen: 58.940 ng/ul
RT: 24.33 min Scan# 3552
Delta R.T. 0.04 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:252 Resp: 3218799

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	15.5	8.2	12.4#



Instrument :
BNA_N
ClientSampleId :
DAMA6

Manual Integrations APPROVED
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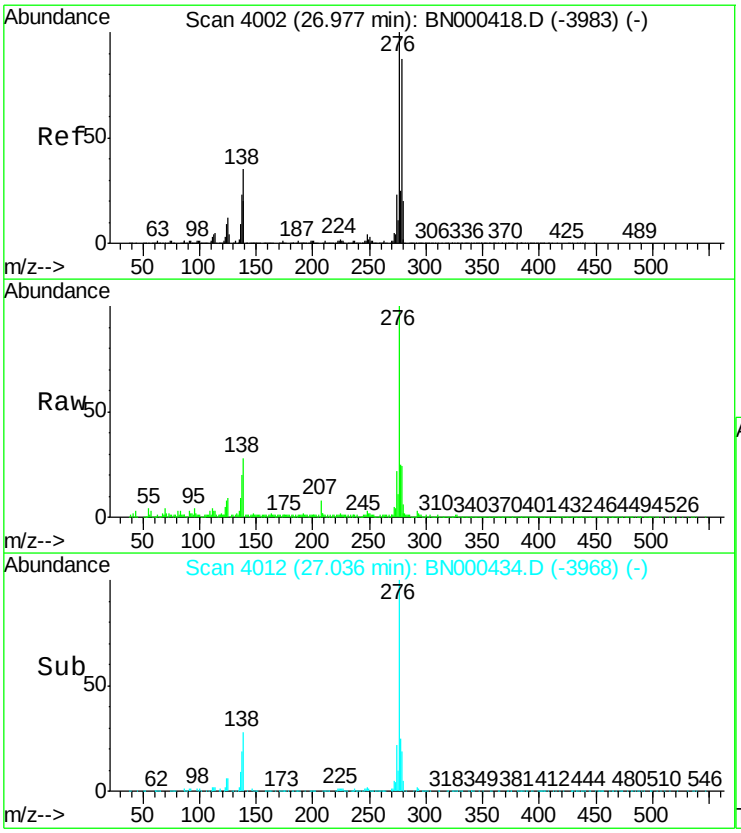
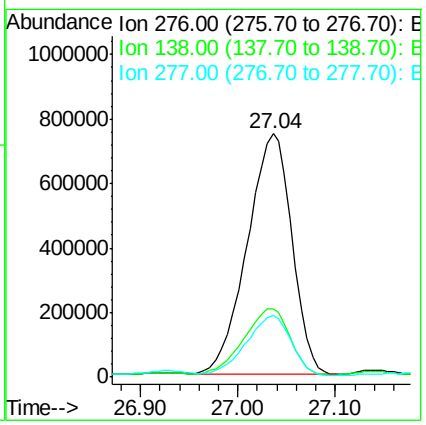
3/16/2018 12:12:14 PM

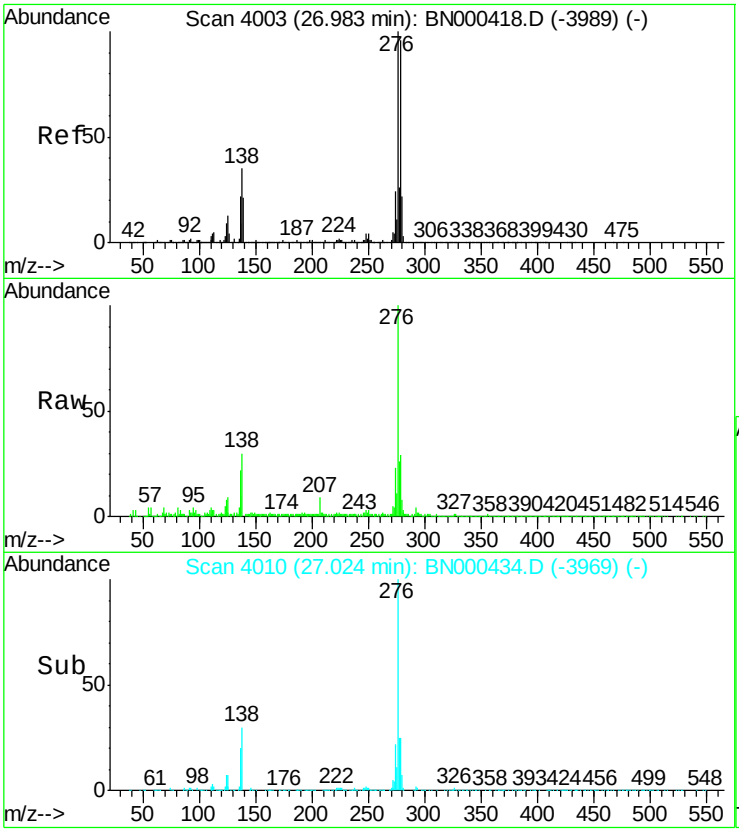


#27
Indeno(1,2,3-cd)pyrene
Concen: 40.567 ng/ul
RT: 27.04 min Scan# 4012
Delta R.T. 0.06 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:276 Resp: 2388683

Ion	Ratio	Lower	Upper
276	100		
138	28.1	14.4	21.6#
277	25.2	18.0	27.0

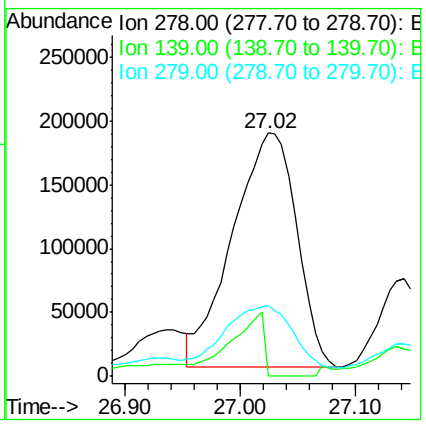




#28
Dibenzo(a,h)anthracene
Concen: 14.612 ng/ul
RT: 27.02 min Scan# 4010
Delta R.T. 0.04 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

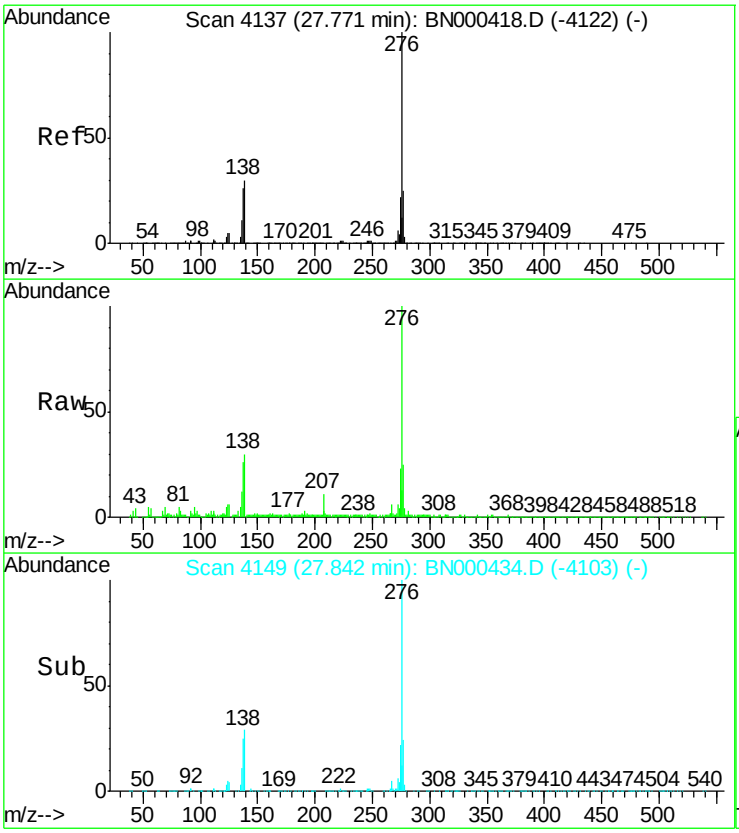
Tgt Ion:278 Resp: 705225

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.2	18.4#
279	29.2	19.2	28.8#



Instrument :
BNA_N
ClientSampleId :
DAMA6

Manual Integrations APPROVED
Sohil
3/16/2018 12:12:14 PM



#29
Benzo(g,h,i)perylene
Concen: 40.695 ng/ul
RT: 27.84 min Scan# 4149
Delta R.T. 0.07 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:276 Resp: 2000778

Ion	Ratio	Lower	Upper
276	100		
138	30.0	15.3	22.9#
277	24.6	19.0	28.4