

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050318\
 Data File : BN001121.D
 Acq On : 03 May 2018 23:17
 Operator : JU/SJ
 Sample : J2633-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAS99

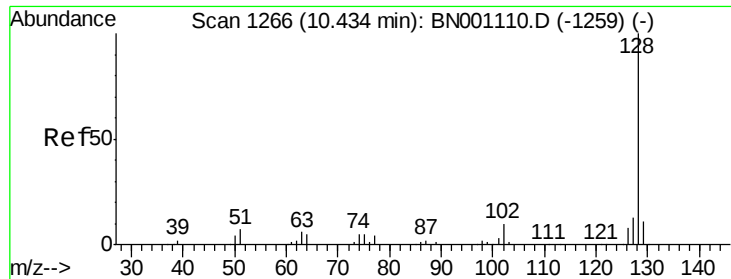
Manual Integrations
 APPROVED

Sohil
 5/4/2018 1:33:47 PM

Quant Time: May 04 08:43:08 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 04 08:04:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	93553	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	381257	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	193945	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.01	188	399544	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	392302	20.00	ng/ul	0.00
22) Perylene-d12	23.42	264	438658	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	434821	23.34	ng/ul	0.00
10) Fluorene-d10	15.26	176	298826	24.04	ng/ul	0.00
14) Anthracene-d10	17.11	188	440983	24.14	ng/ul	0.00
18) Pyrene-d10	19.42	212	462108	22.99	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.29	264	518110	25.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	46866	2.439	ng/ul	99
4) 2-Methylnaphthalene	12.06	142	21243	1.657	ng/ul	94
5) 1-Methylnaphthalene	12.28	142	20061	1.595	ng/ul#	96
8) Acenaphthylene	13.97	152	61778	3.351	ng/ul	99
9) Acenaphthene	14.32	153	32947	2.587	ng/ul	94
11) Fluorene	15.31	166	50569	3.729	ng/ul	92
13) Phenanthrene	17.05	178	1269829	58.272	ng/ul	99
15) Anthracene	17.14	178	192567	8.810	ng/ul	99
16) Fluoranthene	19.08	202	1854368	83.874	ng/ul#	93
19) Pyrene	19.45	202	1359825	53.965	ng/ul#	89
20) Benzo(a)anthracene	21.20	228	786712m	33.547	ng/ul	
21) Chrysene	21.26	228	805907m	36.563	ng/ul	
23) Benzo(b)fluoranthene	22.77	252	1023309m	41.049	ng/ul	
24) Benzo(k)fluoranthene	22.81	252	331263m	13.580	ng/ul	
26) Benzo(a)pyrene	23.33	252	593095	24.894	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.62	276	432475	15.029	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.62	278	134267	5.598	ng/ul#	81
29) Benzo(g,h,i)perylene	26.29	276	400885	16.657	ng/ul#	92

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



#3

Naphthalene

Concen: 2.439 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

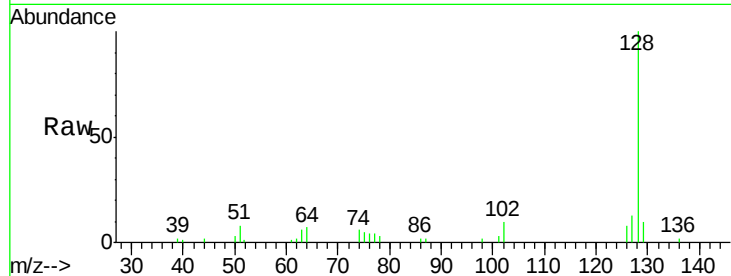
ClientSampled :

DAS99

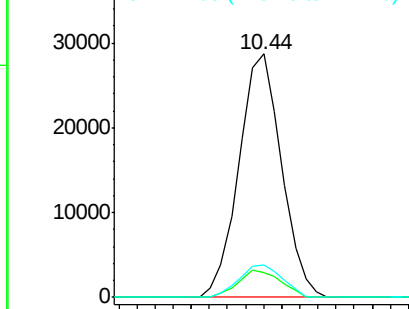
Tot Ion:	128	Resp:	46866
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.7	13.1
127	13.1	10.6	16.0

Manual Integrations
APPROVED

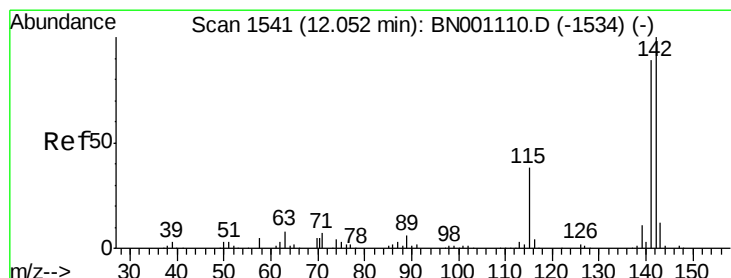
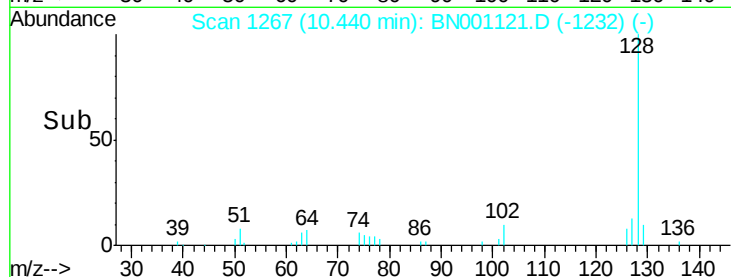
Sohil
5/4/2018 1:33:47 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->



#4

2-Methylnaphthalene

Concen: 1.657 ng/ul

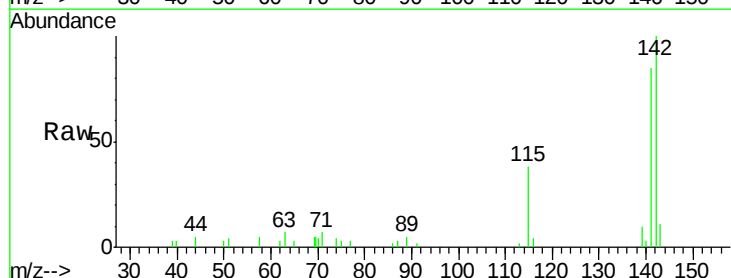
RT: 12.06 min Scan# 1542

Delta R.T. 0.01 min

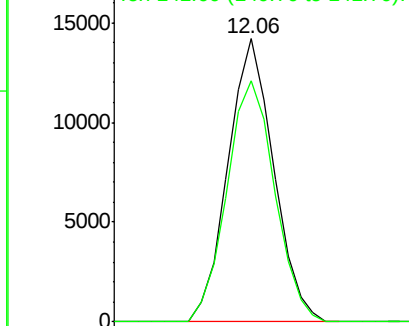
Lab File: BN001121.D

Acq: 03 May 2018 23:17

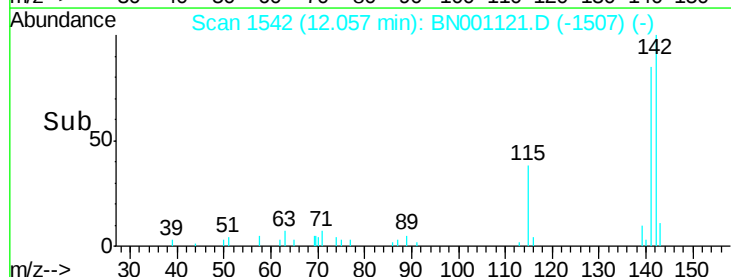
Tgt Ion:	142	Resp:	21243
Ion Ratio	Lower	Upper	
142	100		
141	85.0	72.7	109.1

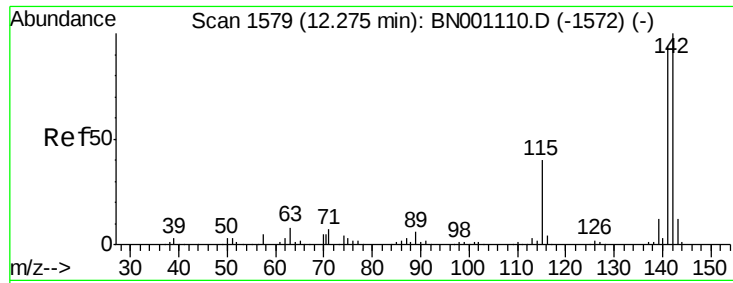


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#5

1-Methylnaphthalene

Concen: 1.595 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

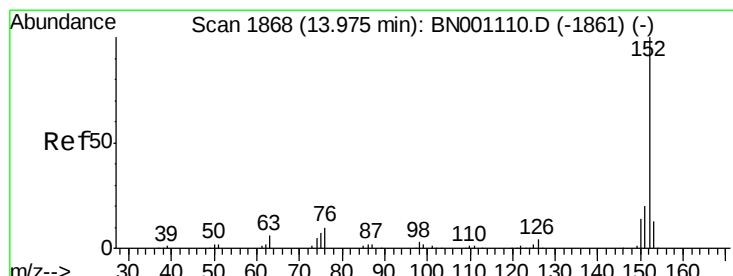
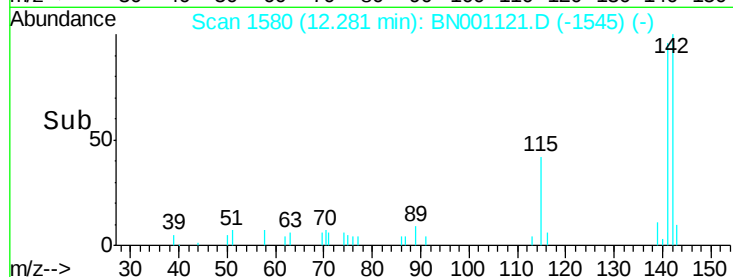
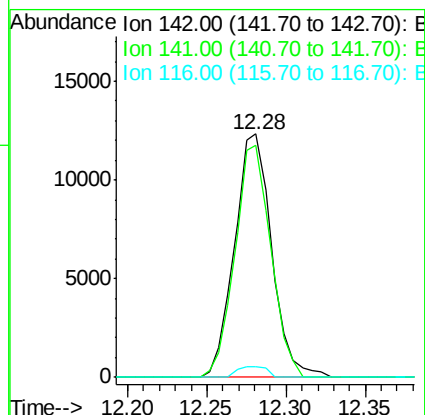
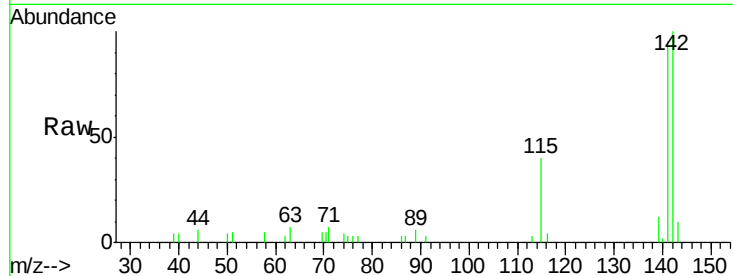
ClientSampleId :

DAS99

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.1	79.3	118.9
116	4.1	4.2	6.2#

Manual Integrations
APPROVED

Sohil
5/4/2018 1:33:47 PM



#8

Acenaphthylene

Concen: 3.351 ng/ul

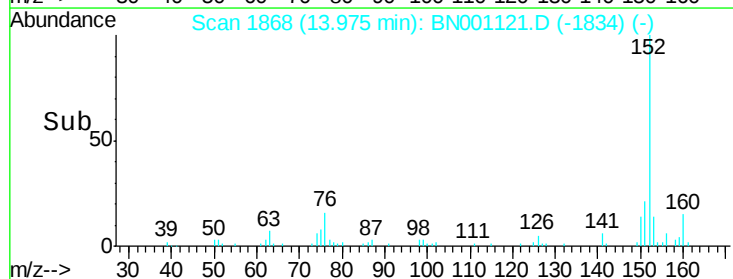
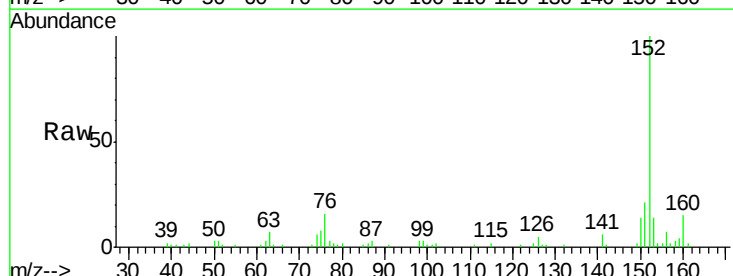
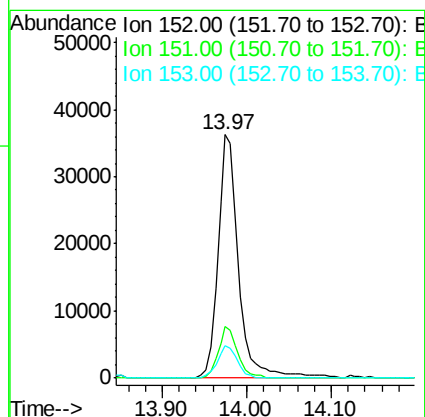
RT: 13.97 min Scan# 1868

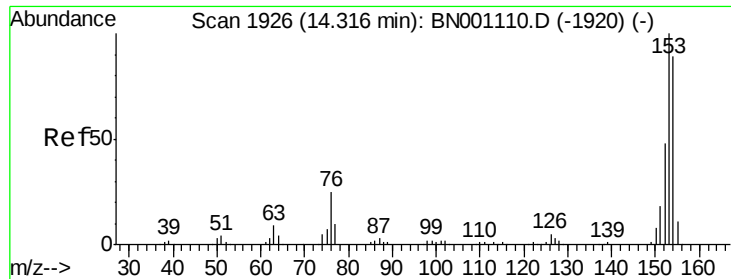
Delta R.T. 0.00 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.7	25.1
153	13.5	10.2	15.4





#9

Acenaphthene

Concen: 2.587 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.01 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Instrument :

BNA_N

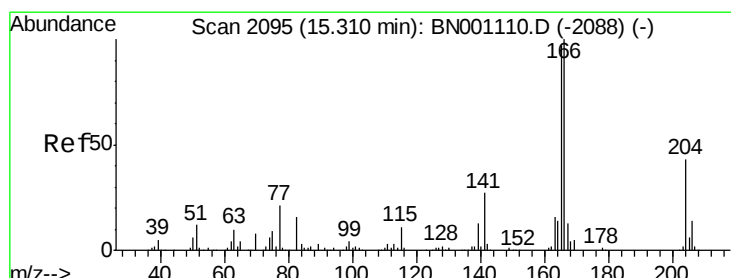
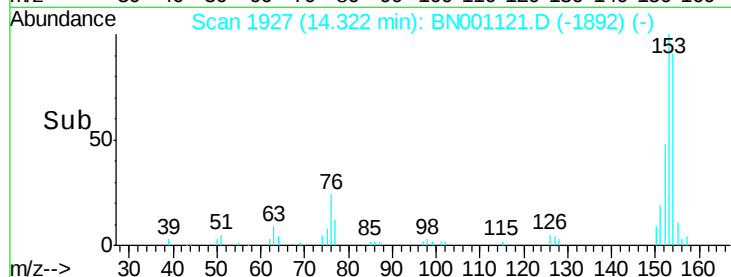
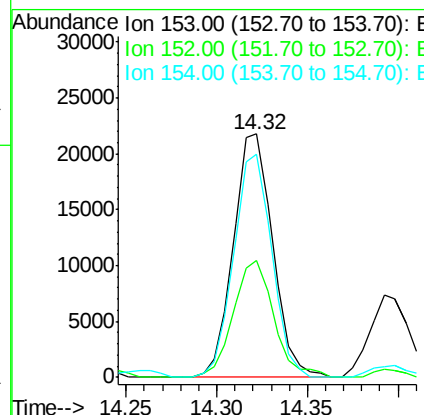
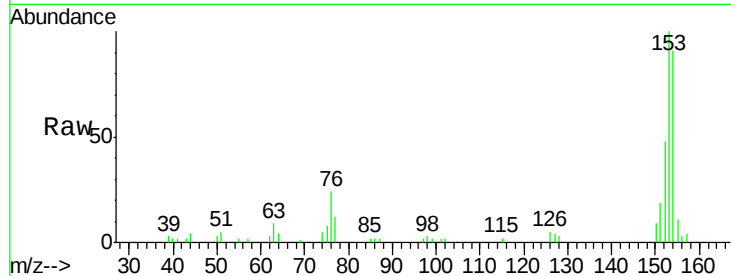
ClientSampleId :

DAS99

Tot Ion:	153	Resp:	32947
Ion Ratio	Lower	Upper	
153	100		
152	48.1	39.0	58.6
154	91.5	66.8	100.2

Manual Integrations
APPROVED

Sohil
5/4/2018 1:33:47 PM



#11

Fluorene

Concen: 3.729 ng/ul

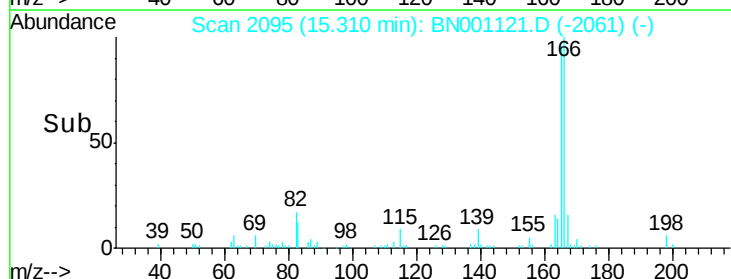
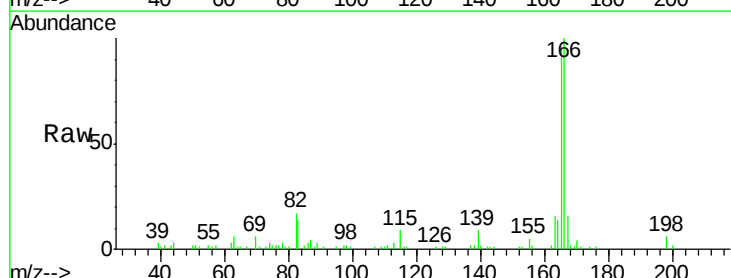
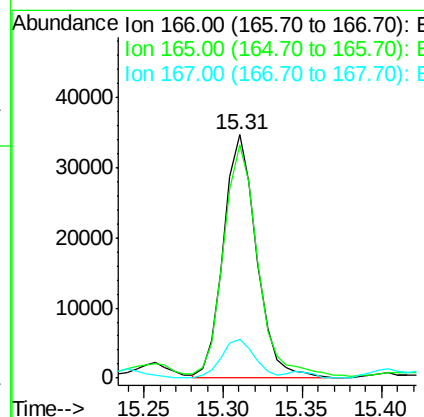
RT: 15.31 min Scan# 2095

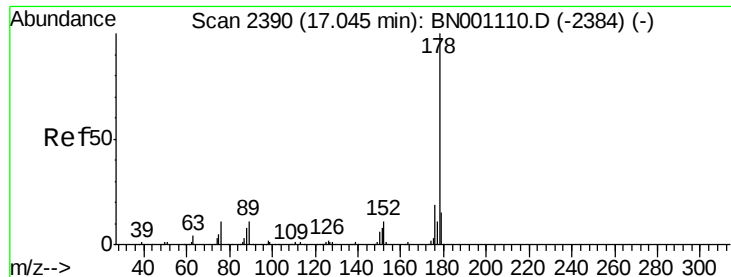
Delta R.T. 0.00 min

Lab File: BN001121.D

Acq: 03 May 2018 23:17

Tgt Ion:	166	Resp:	50569
Ion Ratio	Lower	Upper	
166	100		
165	95.9	83.8	125.8
167	15.8	11.5	17.3





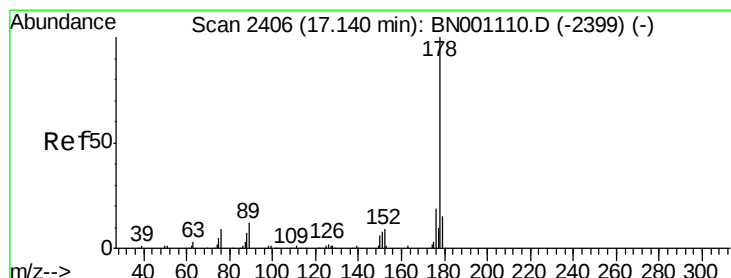
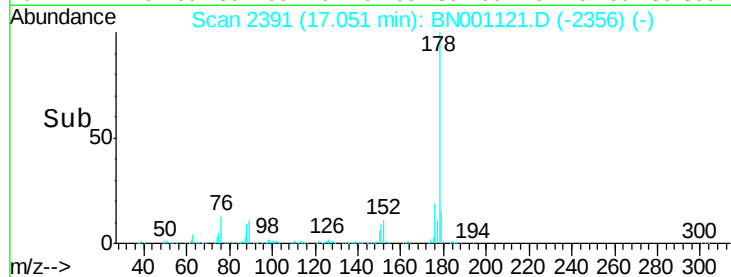
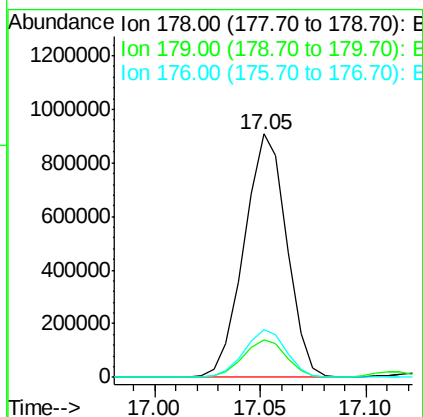
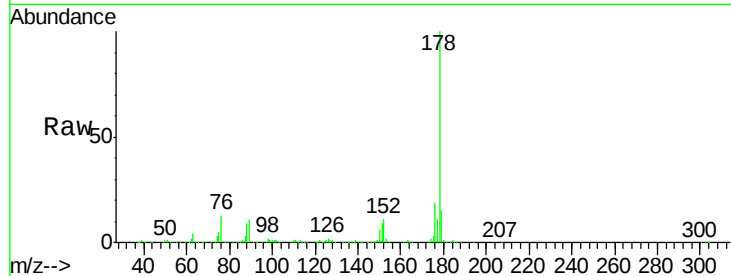
#13
Phenanthrene
Concen: 58.272 ng/ul
RT: 17.05 min Scan# 2391
Delta R.T. 0.01 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Instrument :
BNA_N
ClientSampleId :
DAS99

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.4	15.1	22.7

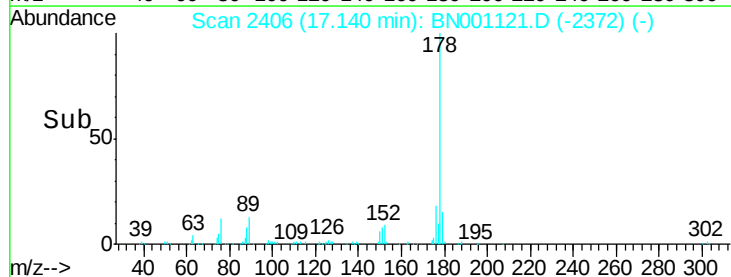
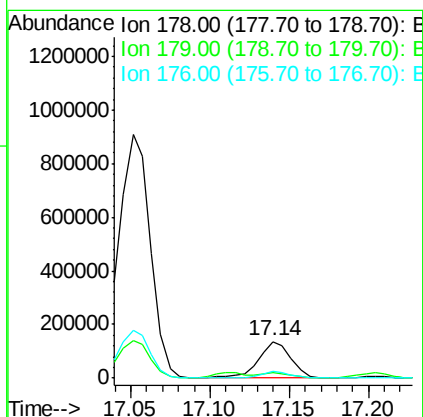
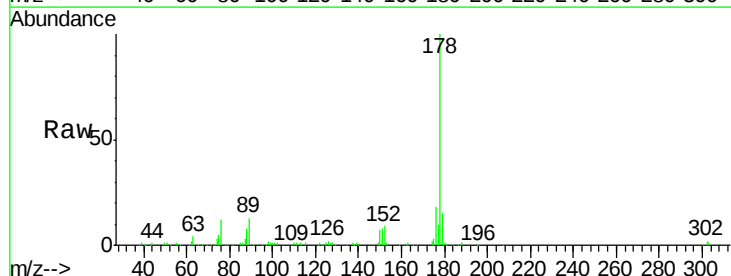
Manual Integrations
APPROVED

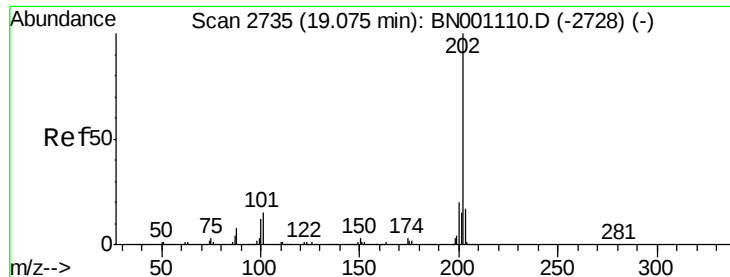
Sohil
5/4/2018 1:33:47 PM



#15
Anthracene
Concen: 8.810 ng/ul
RT: 17.14 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.8
176	18.4	15.2	22.8





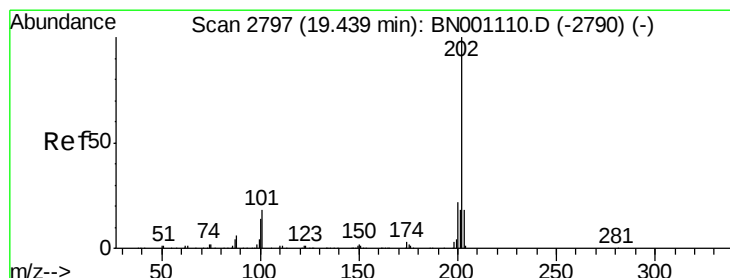
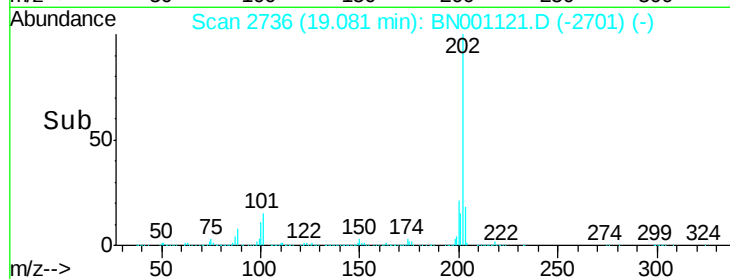
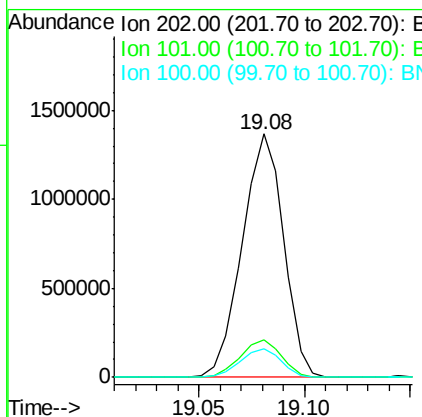
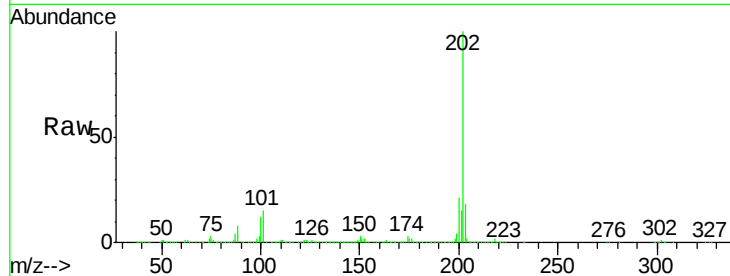
#16
 Fluoranthene
 Concen: 83.874 ng/ul
 RT: 19.08 min Scan# 2736
 Delta R.T. 0.01 min
 Lab File: BN001121.D
 Acq: 03 May 2018 23:17

Instrument :
 BNA_N
 ClientSampleId :
 DAS99

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.3	9.9	14.9#
100	11.5	7.4	11.0#

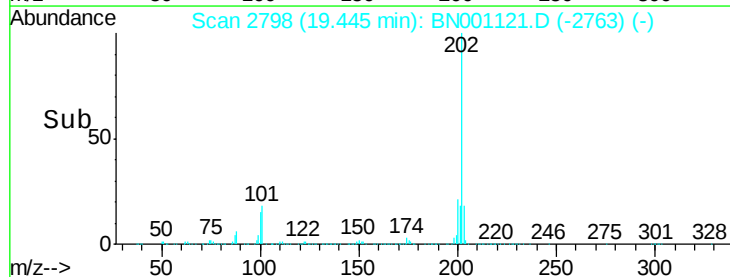
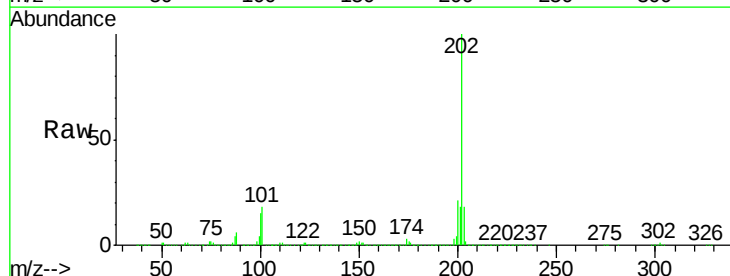
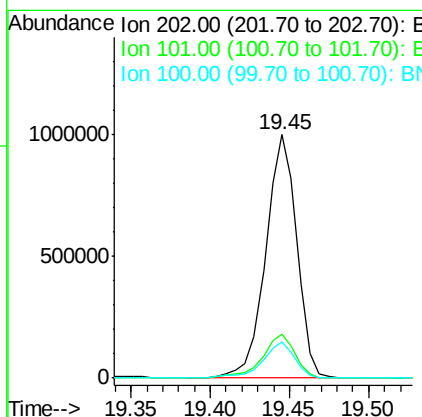
Manual Integrations
 APPROVED

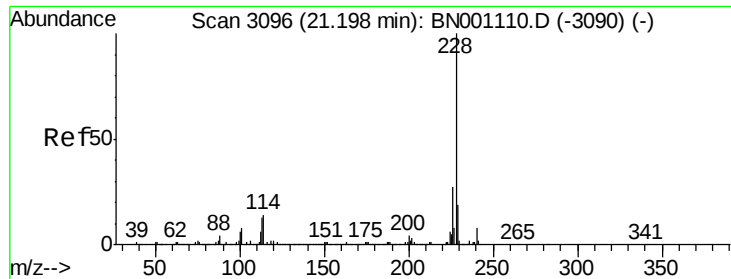
Sohil
 5/4/2018 1:33:47 PM



#19
 Pyrene
 Concen: 53.965 ng/ul
 RT: 19.45 min Scan# 2798
 Delta R.T. 0.01 min
 Lab File: BN001121.D
 Acq: 03 May 2018 23:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.8	11.0	16.4#
100	14.7	8.1	12.1#





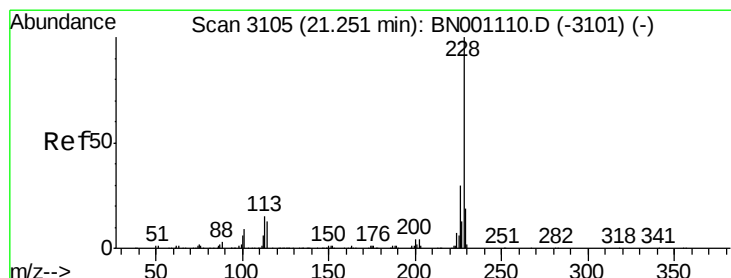
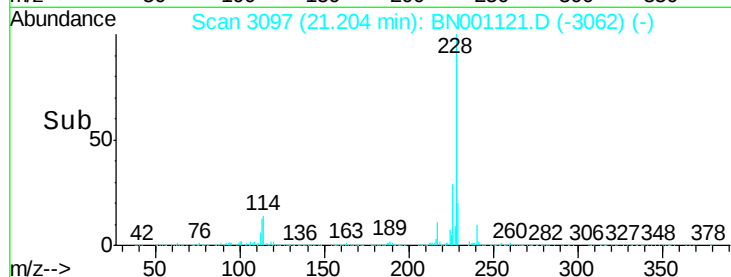
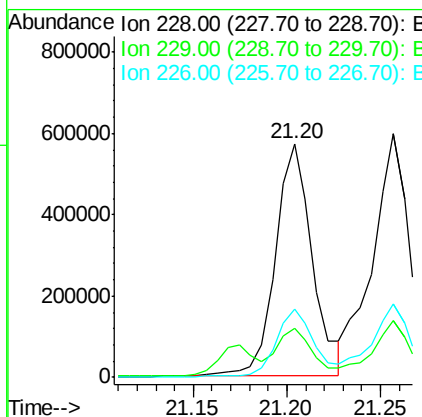
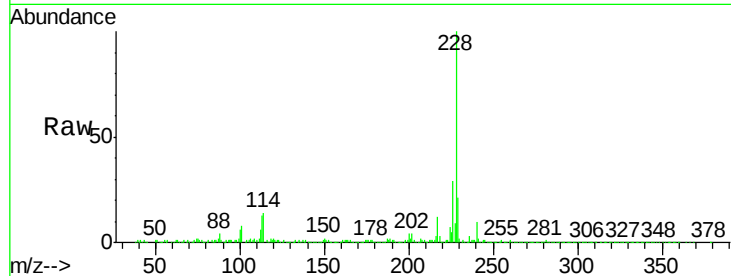
#20
Benzo(a)anthracene
Concen: 33.547 ng/ul m
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Instrument :
BNA_N
ClientSampleId :
DAS99

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.7	23.5
226	29.0	21.1	31.7

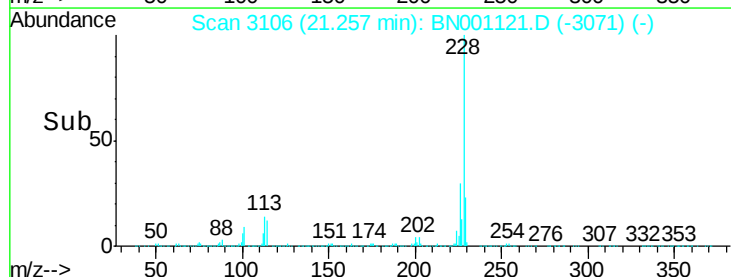
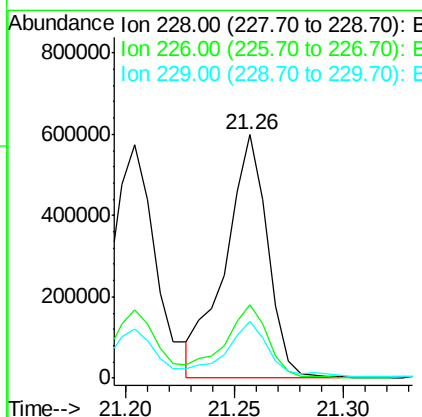
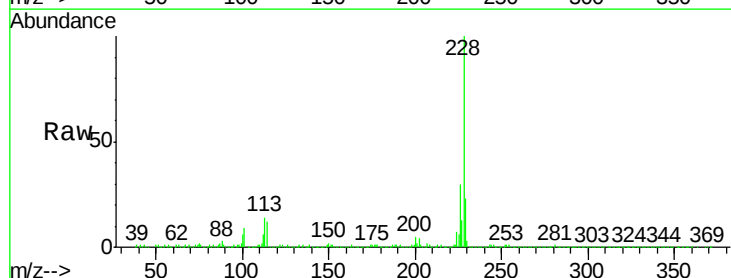
Manual Integrations
APPROVED

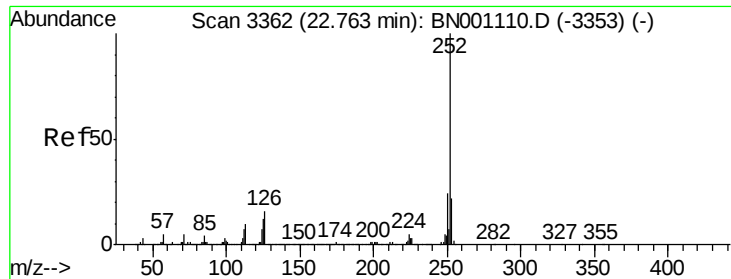
Sohil
5/4/2018 1:33:47 PM



#21
Chrysene
Concen: 36.563 ng/ul m
RT: 21.26 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	23.2	15.8	23.8





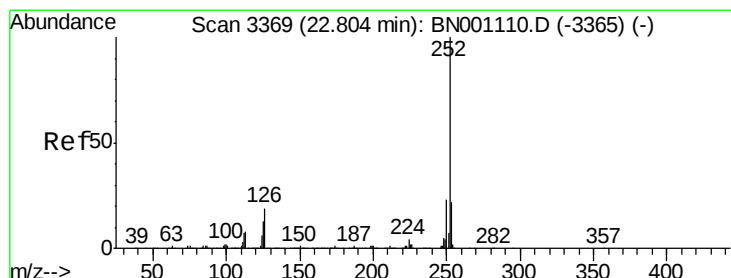
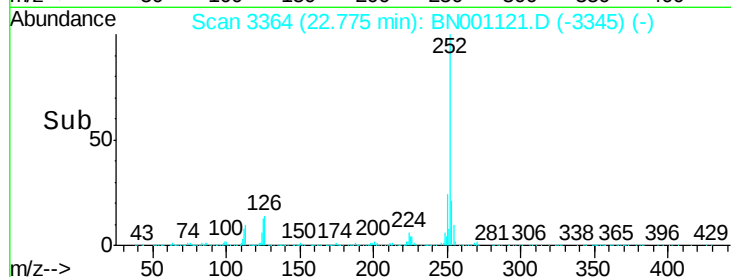
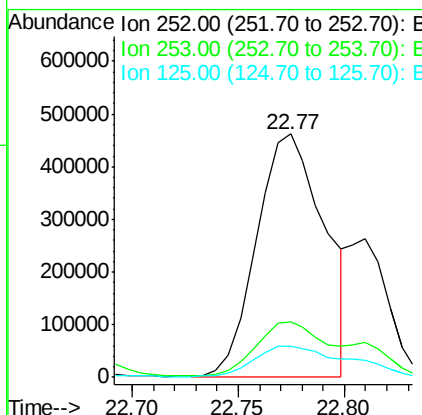
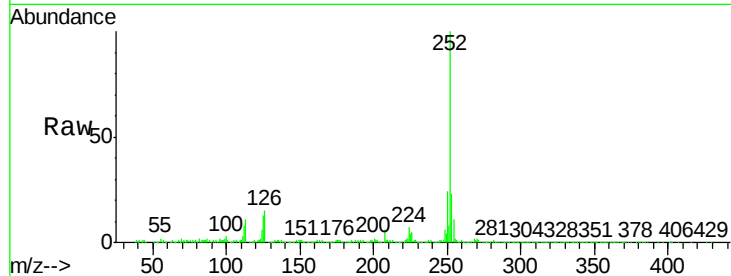
#23
Benzo(b)fluoranthene
Concen: 41.049 ng/ul m
RT: 22.77 min Scan# 3364
Delta R.T. 0.01 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Instrument :
BNA_N
ClientSampleId :
DAS99

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.9	8.0	12.0

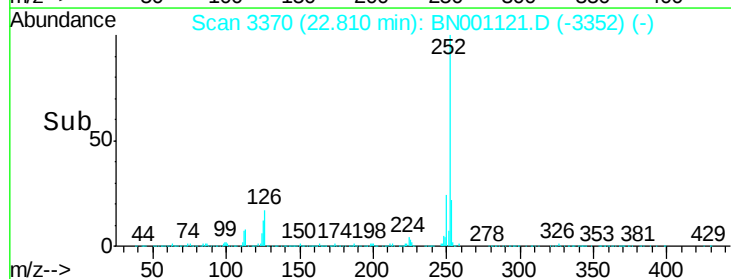
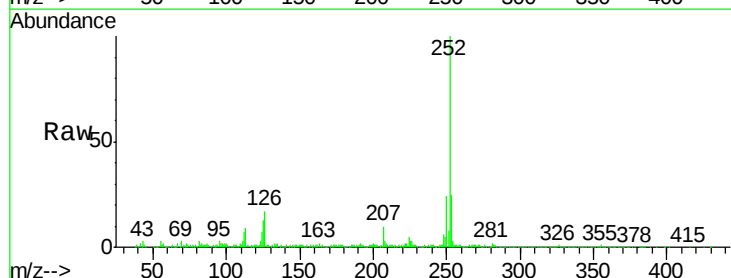
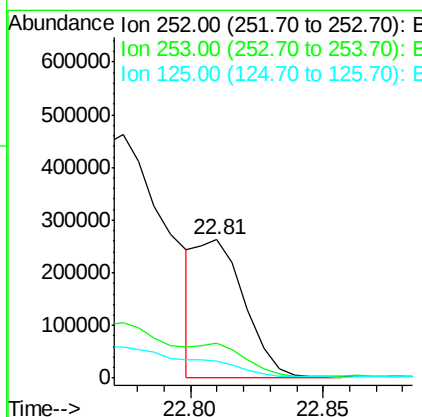
Manual Integrations
APPROVED

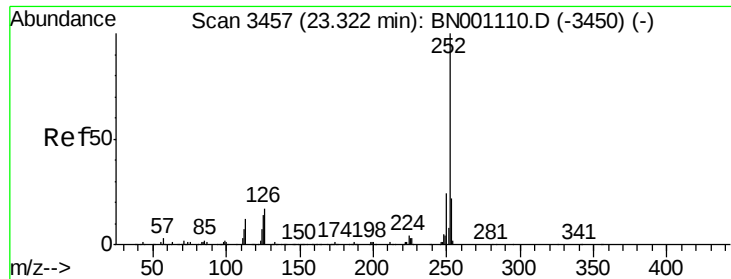
Sohil
5/4/2018 1:33:47 PM



#24
Benzo(k)fluoranthene
Concen: 13.580 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	12.6	8.1	12.1





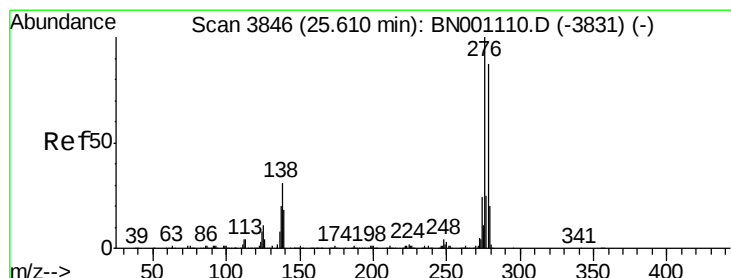
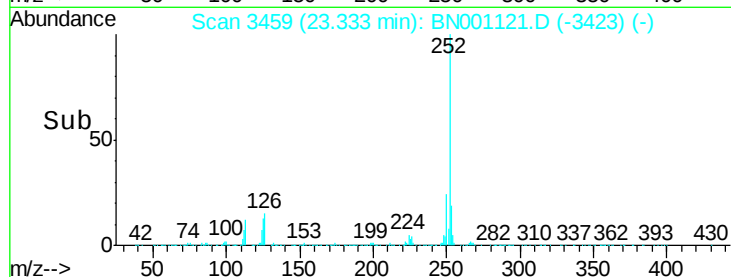
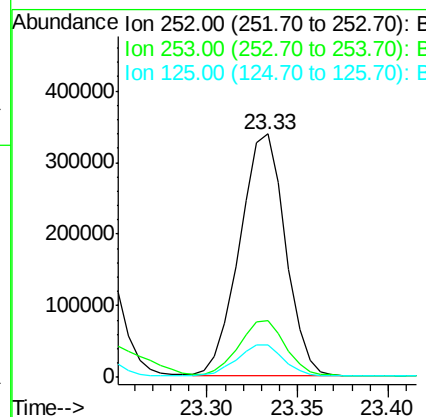
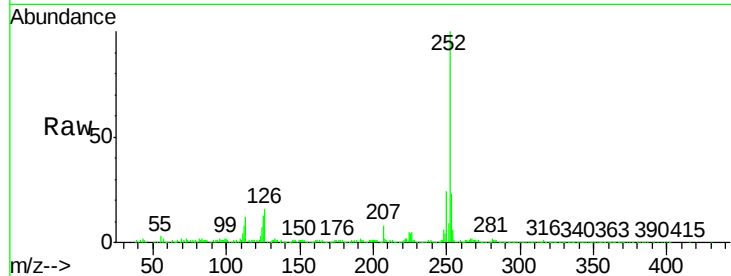
#26
Benzo(a)pyrene
Concen: 24.894 ng/ul
RT: 23.33 min Scan# 3459
Delta R.T. 0.01 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Instrument :
BNA_N
ClientSampled :
DAS99

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	17.2	25.8
125	13.5	8.2	12.4

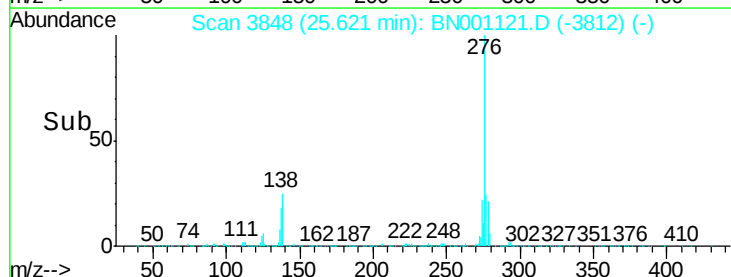
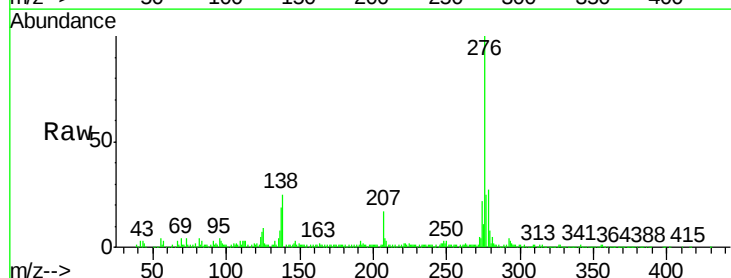
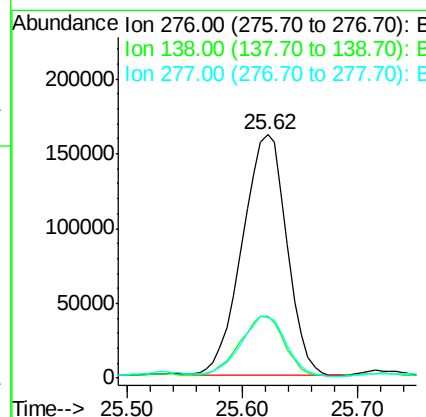
Manual Integrations
APPROVED

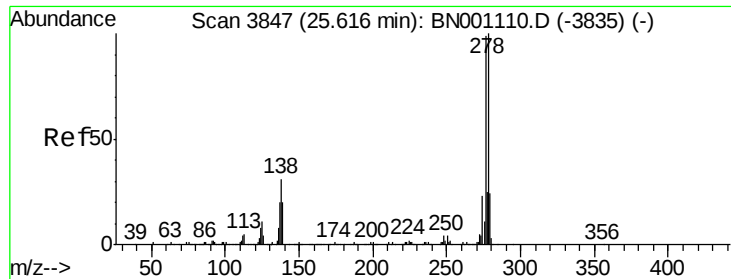
Sohil
5/4/2018 1:33:47 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 15.029 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. 0.01 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.3	14.4	21.6
277	25.0	18.0	27.0





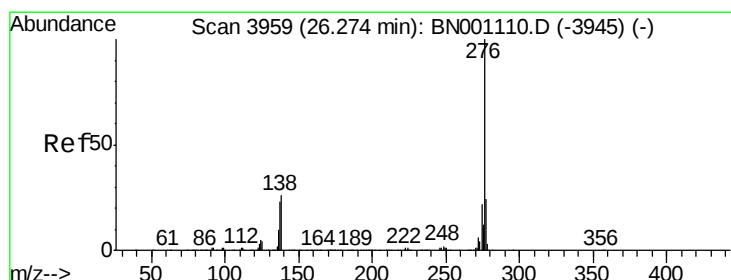
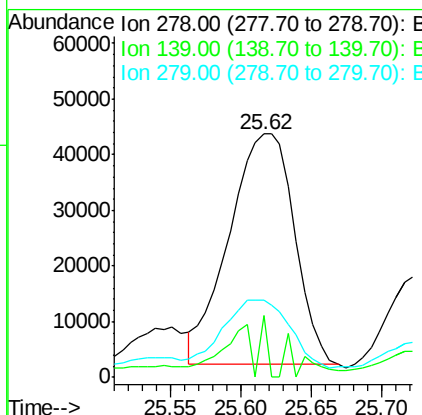
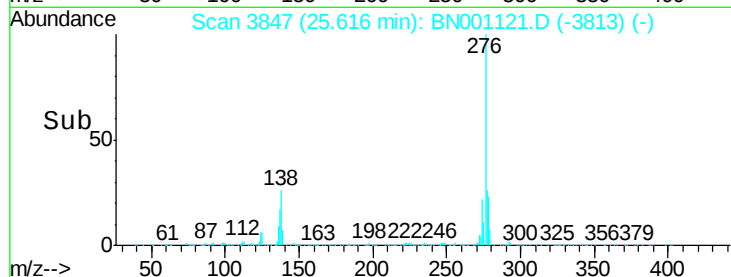
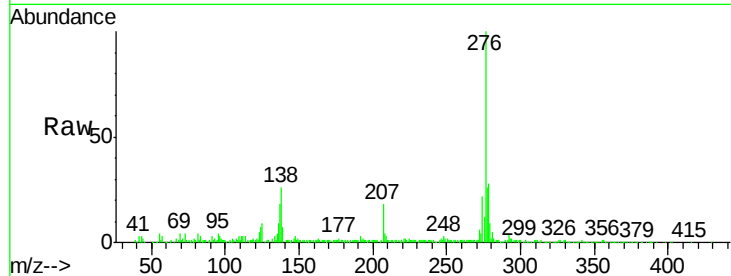
#28
Dibenzo(a,h)anthracene
Concen: 5.598 ng/ul
RT: 25.62 min Scan# 3847
Delta R.T. 0.00 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Instrument :
BNA_N
ClientSampled :
DAS99

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.2	12.2	18.4#
279	31.9	19.2	28.8#

Manual Integrations
APPROVED

Sohil
5/4/2018 1:33:47 PM



#29
Benzo(g,h,i)perylene
Concen: 16.657 ng/ul
RT: 26.29 min Scan# 3962
Delta R.T. 0.02 min
Lab File: BN001121.D
Acq: 03 May 2018 23:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	15.3	22.9#
277	25.5	19.0	28.4

