

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
 Data File : BN005238.D
 Acq On : 24 Apr 2019 05:25
 Operator : JU/SJ
 Sample : K2455-06 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8

Manual Integrations
 APPROVED

Sohil
 4/24/2019 11:46:08 AM

Quant Time: Apr 24 10:18:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	555380	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2245228	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1214229	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2424381	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2093598	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2348954	20.00	ng/ul	0.00

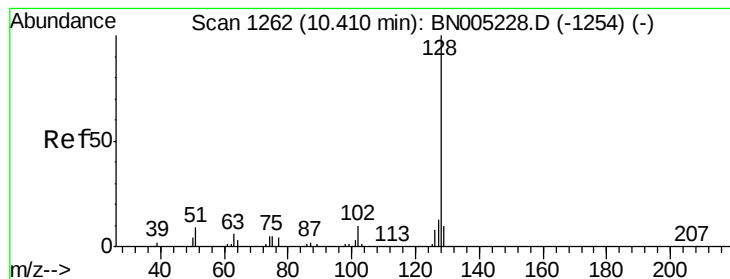
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	9656	0.84	ng/uL	0.00
5) Phenol-d5	6.78	99	86408	1.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	56431	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	69574	2.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	68718	2.02	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	35706	2.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	29308	2.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	66593	2.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	88093	2.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	210575	2.39	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	249366	2.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	18961	1.36	ng/ul	0.00
57) Fluorene-d10	15.23	176	175500	2.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	4163	0.38	ng/ul	0.00
70) Anthracene-d10	17.09	188	249347	2.45	ng/ul	0.00
78) Pyrene-d10	19.40	212	253729	2.37	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	227929	2.22	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.42	128	8283071	79.357	ng/ul 100
34) 2-Methylnaphthalene	12.04	142	11039283	144.444	ng/ul 100
40) 1,1'-Biphenyl	13.06	154	827019	9.141	ng/ul 99
47) Acenaphthylene	13.95	152	2398126	22.541	ng/ul 97
49) Acenaphthene	14.29	153	245633	3.382	ng/ul 97
53) Dibenzofuran	14.63	168	351338	3.360	ng/ul 94
58) Fluorene	15.29	166	1392828	17.069	ng/ul 99
69) Phenanthrene	17.03	178	5656827	47.910	ng/ul 99
71) Anthracene	17.12	178	1187140	9.870	ng/ul 98
76) Fluoranthene	19.06	202	1435892	10.964	ng/ul 100
79) Pyrene	19.43	202	2244383	16.650	ng/ul 97
82) Benzo(a)anthracene	21.20	228	949692m	7.292	ng/ul
84) Chrysene	21.25	228	766957	6.345	ng/ul 97
87) Benzo(b)fluoranthene	22.77	252	662247	5.015	ng/ul 99
88) Benzo(k)fluoranthene	22.80	252	252178m	2.000	ng/ul
90) Benzo(a)pyrene	23.32	252	567825	4.575	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.59	276	289944	2.113	ng/ul 98
93) Benzo(g,h,i)perylene	26.25	276	185694	1.637	ng/ul 96

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



#28

Naphthalene

Concen: 79.357 ng/ul

RT: 10.42 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampleId :

GAHQ8

Tot Ion:128 Resp: 8283071

Ion Ratio Lower Upper

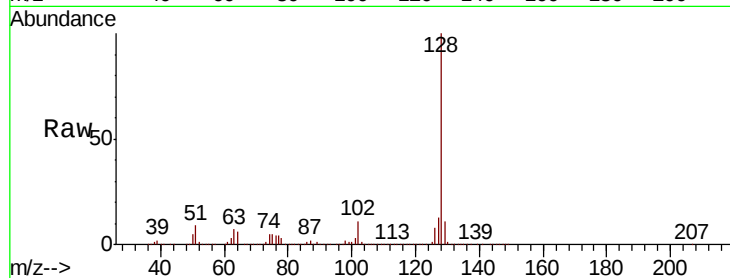
128 100

129 11.3 9.2 13.8

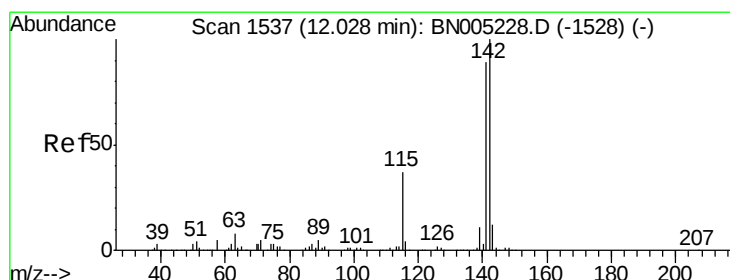
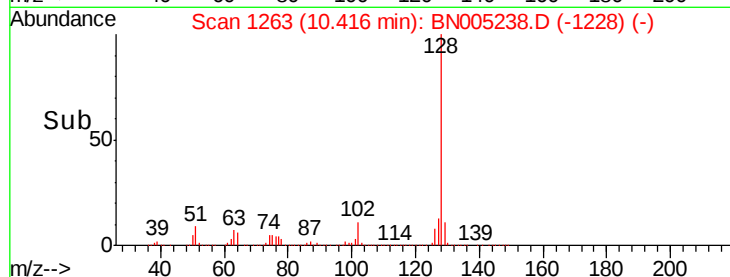
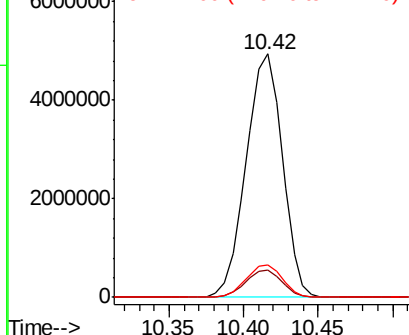
127 13.4 10.7 16.1

Manual Integrations
APPROVED

Sohil
4/24/2019 11:46:08 AM



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



#34

2-Methylnaphthalene

Concen: 144.444 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BN005238.D

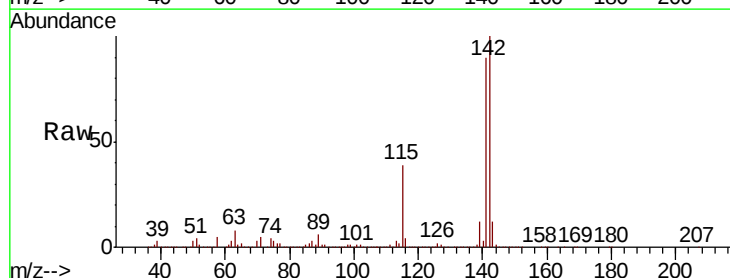
Acq: 24 Apr 2019 05:25

Tgt Ion:142 Resp:11039283

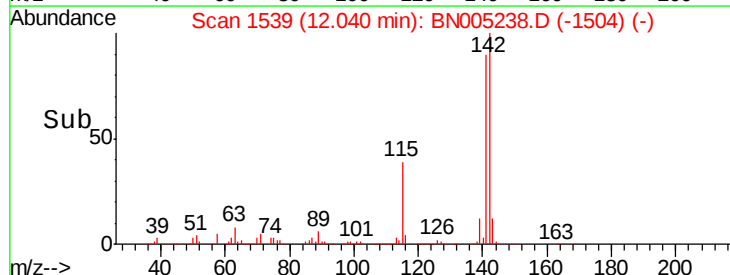
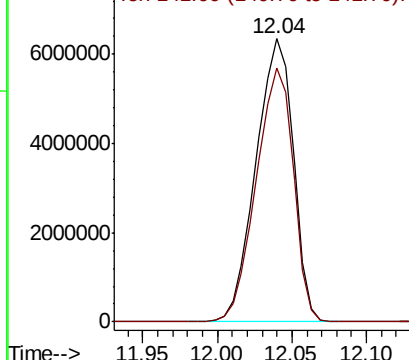
Ion Ratio Lower Upper

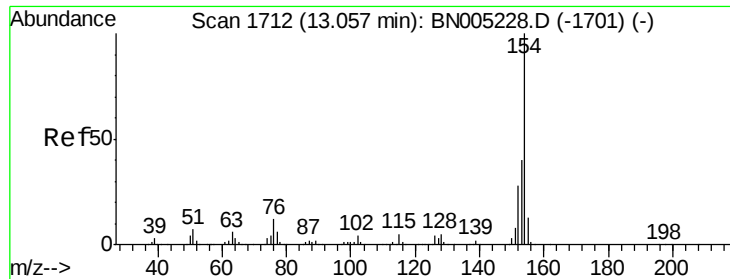
142 100

141 89.7 72.0 108.0



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





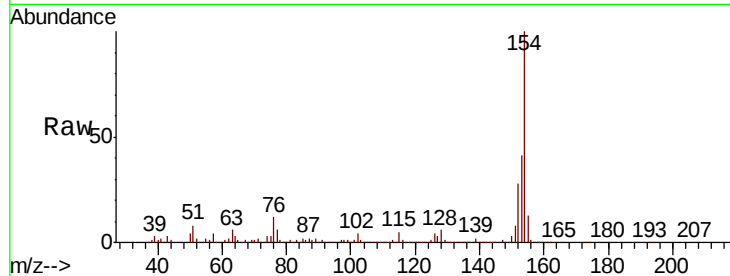
#40
1,1'-Biphenyl
Concen: 9.141 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BN005238.D
Acq: 24 Apr 2019 05:25

Instrument :
BNA_N
ClientSampleId :
GAHQ8

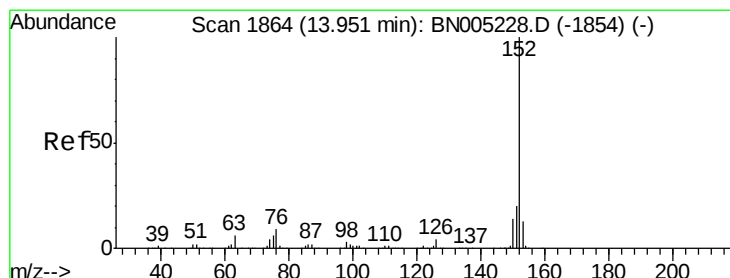
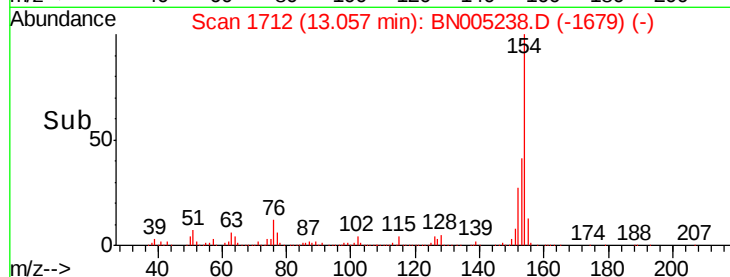
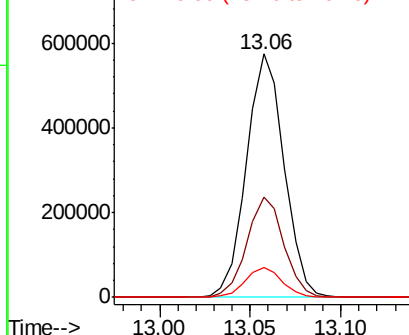
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.2	32.6	49.0
76	12.5	10.4	15.6

Manual Integrations
APPROVED

Sohil
4/24/2019 11:46:08 AM

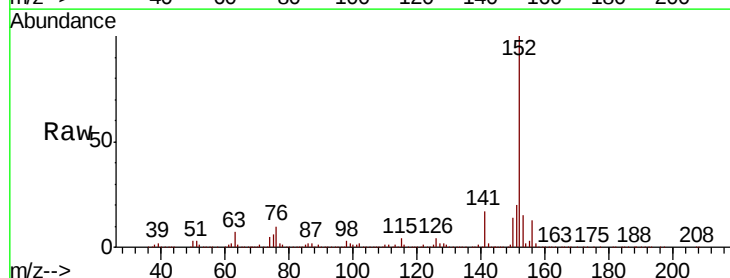


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNO

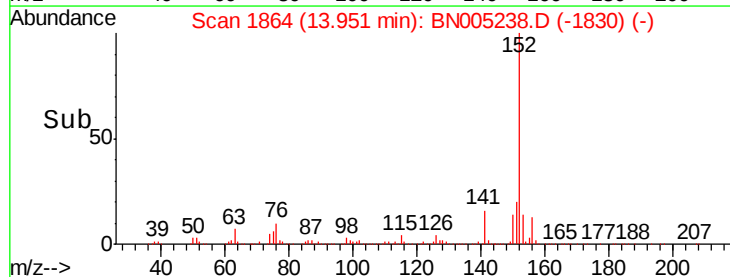
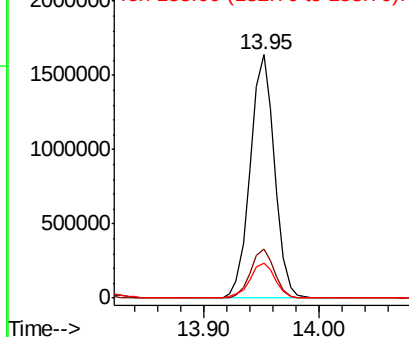


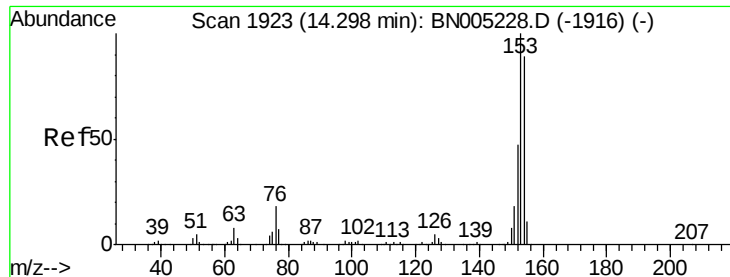
#47
Acenaphthylene
Concen: 22.541 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BN005238.D
Acq: 24 Apr 2019 05:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	14.6	9.8	14.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 3.382 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampled :

GAHQ8

Tot Ion:153 Resp: 245633

Ion Ratio Lower Upper

153 100

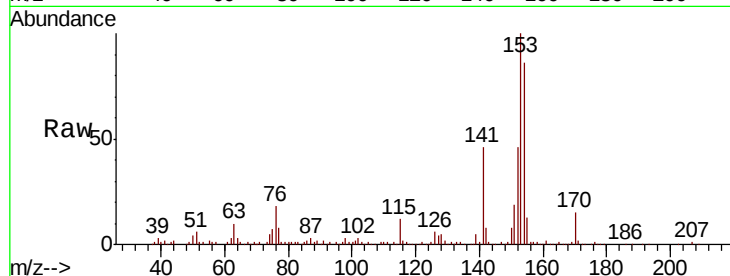
152 46.1 37.4 56.0

154 85.7 71.2 106.8

Manual Integrations
APPROVED

Sohil

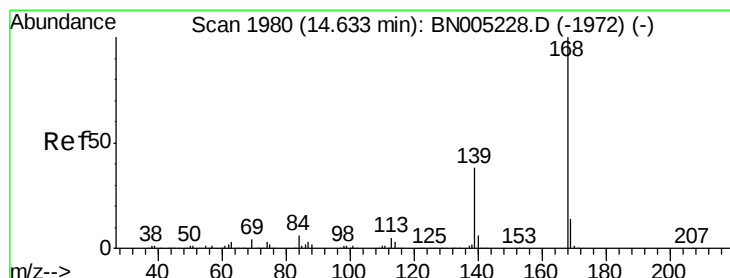
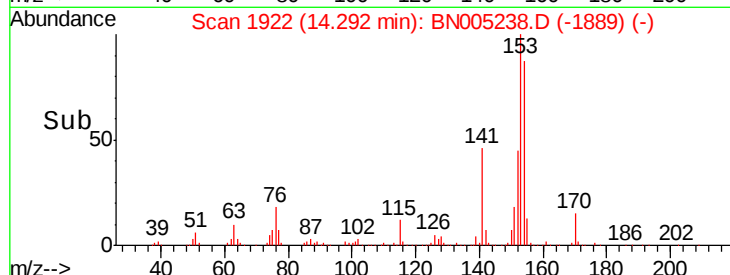
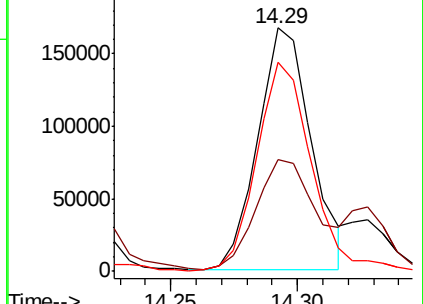
4/24/2019 11:46:08 AM



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 3.360 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BN005238.D

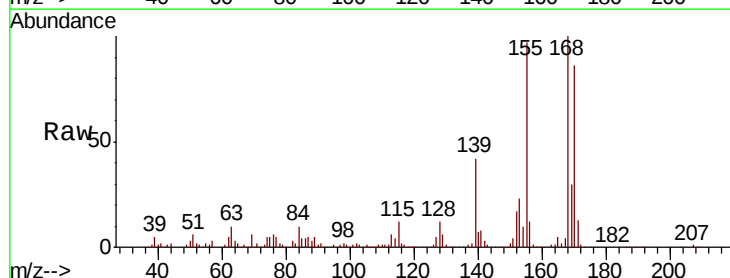
Acq: 24 Apr 2019 05:25

Tgt Ion:168 Resp: 351338

Ion Ratio Lower Upper

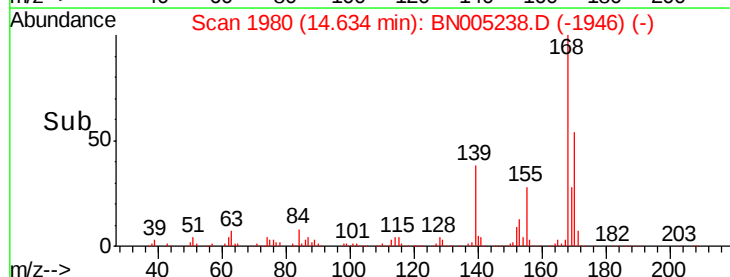
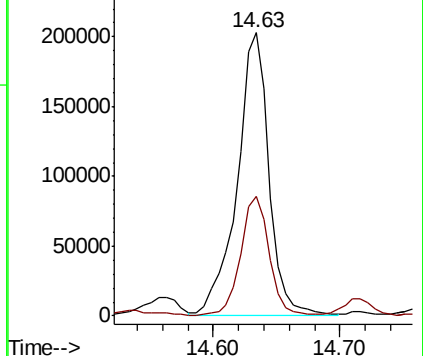
168 100

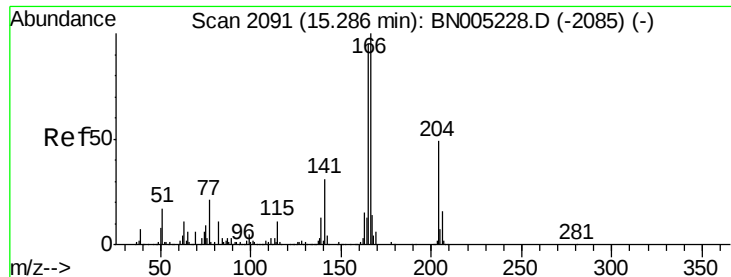
139 42.0 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





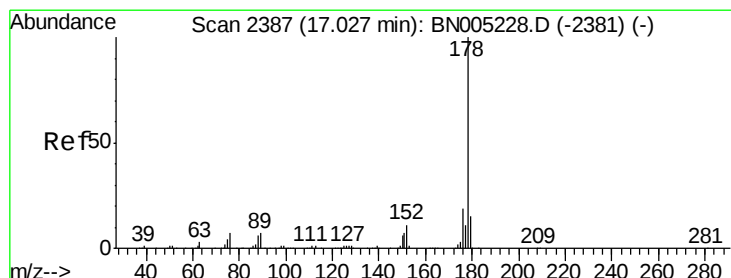
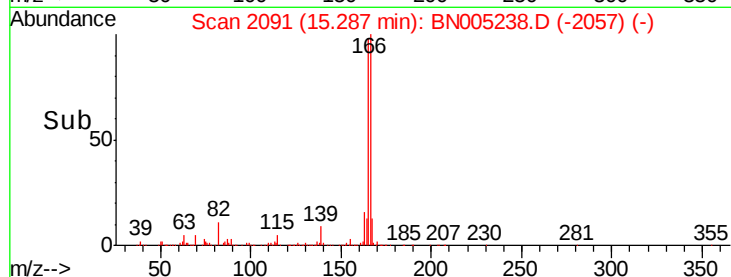
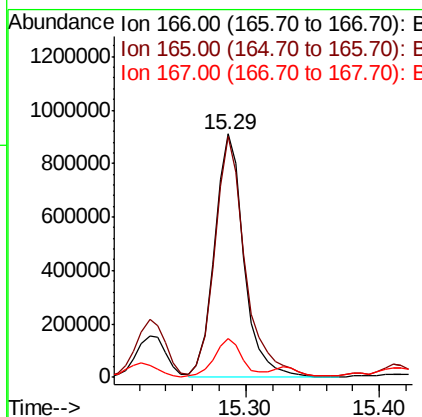
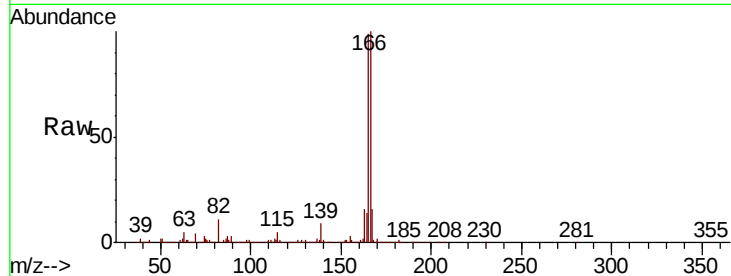
#58
Fluorene
 Concen: 17.069 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: BN005238.D
 Acq: 24 Apr 2019 05:25

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8

Tot Ion:166 Resp: 1392828
 Ion Ratio Lower Upper
 166 100
 165 99.2 80.0 120.0
 167 15.7 10.7 16.1

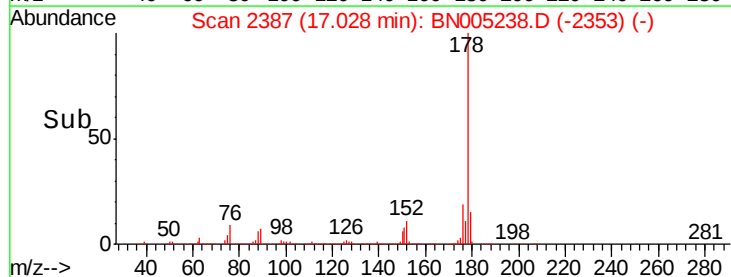
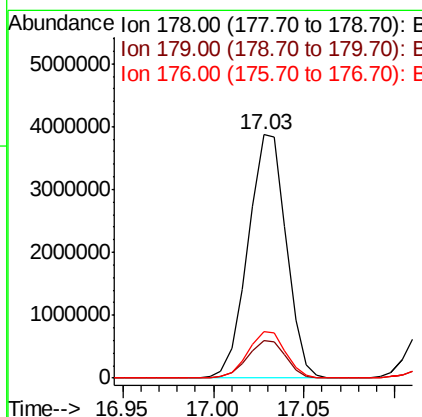
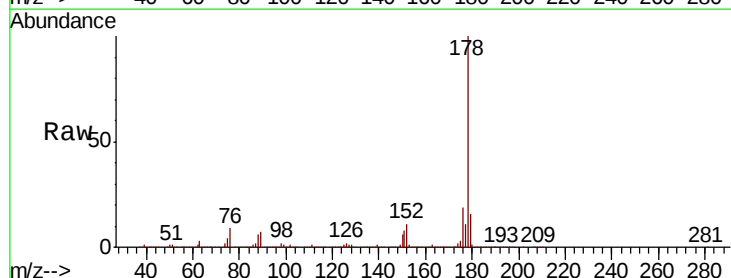
Manual Integrations
 APPROVED

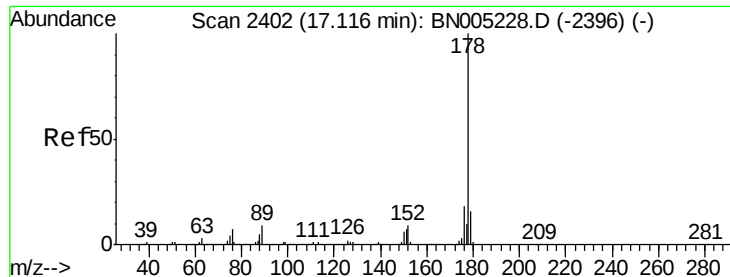
Sohil
 4/24/2019 11:46:08 AM



#69
Phenanthrene
 Concen: 47.910 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. -0.00 min
 Lab File: BN005238.D
 Acq: 24 Apr 2019 05:25

Tgt Ion:178 Resp: 5656827
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.2 18.4
 176 19.2 15.1 22.7





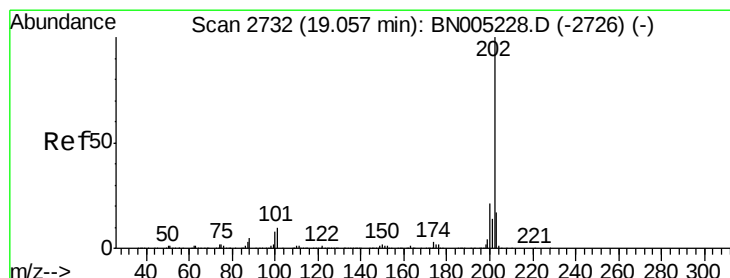
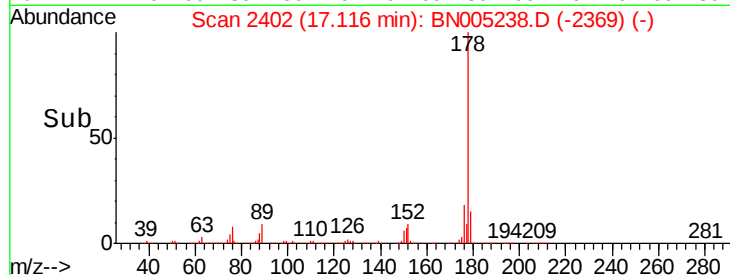
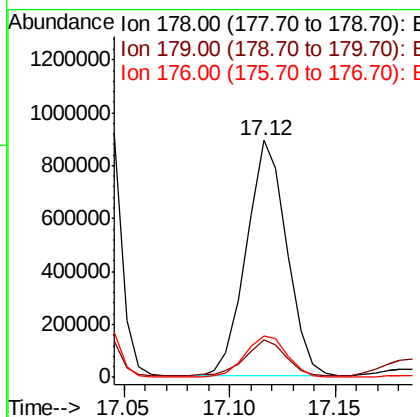
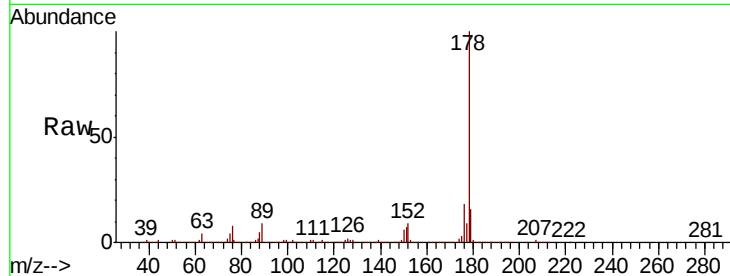
#71
 Anthracene
 Concen: 9.870 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BN005238.D
 Acq: 24 Apr 2019 05:25

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	17.7	15.1	22.7

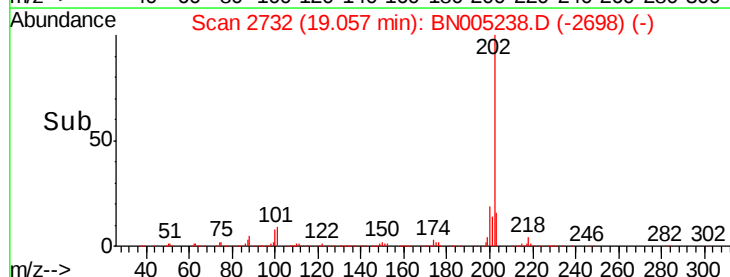
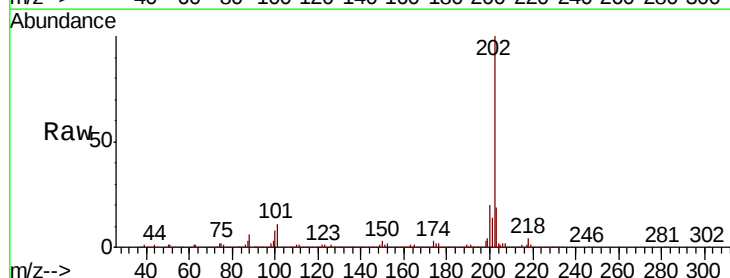
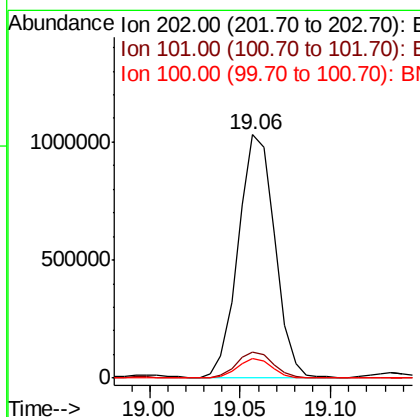
Manual Integrations
 APPROVED

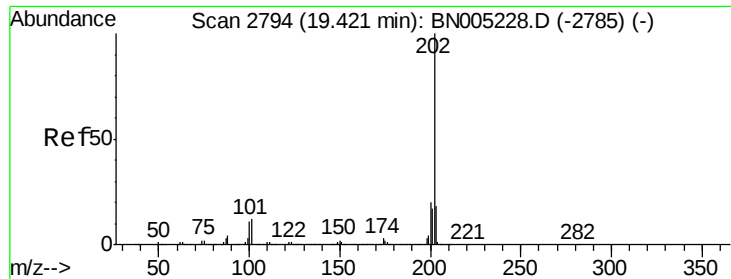
Sohil
 4/24/2019 11:46:08 AM



#76
 Fluoranthene
 Concen: 10.964 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: BN005238.D
 Acq: 24 Apr 2019 05:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.6	12.8
100	8.0	6.3	9.5





#79

Pvrene

Concen: 16.650 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampleId :

GAHQ8

Tot Ion:202 Resp: 2244383

Ion Ratio Lower Upper

202 100

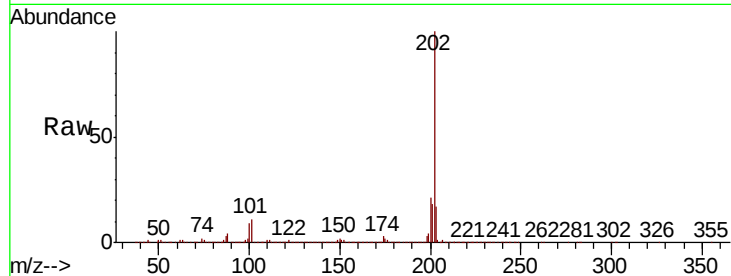
101 11.5 10.3 15.5

100 9.3 7.9 11.9

Manual Integrations
APPROVED

Sohil

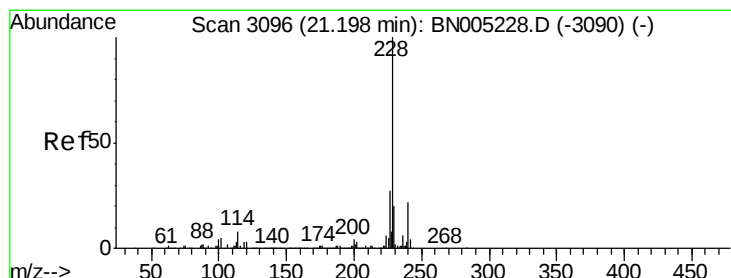
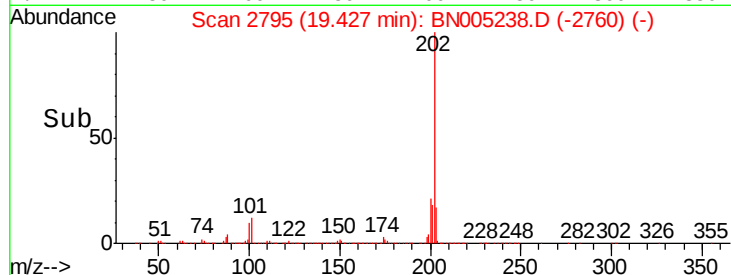
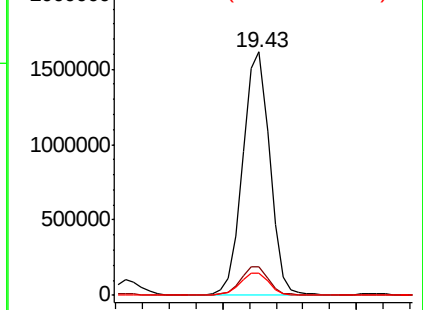
4/24/2019 11:46:08 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 7.292 ng/ul m

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

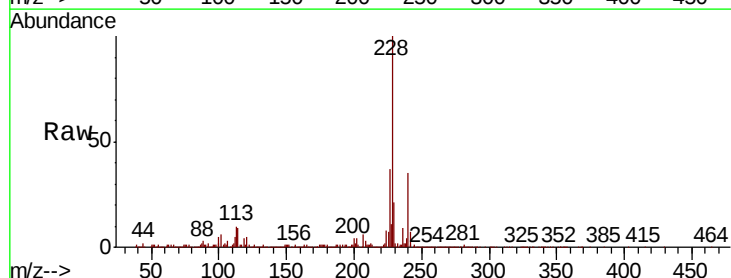
Tgt Ion:228 Resp: 949692

Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.6

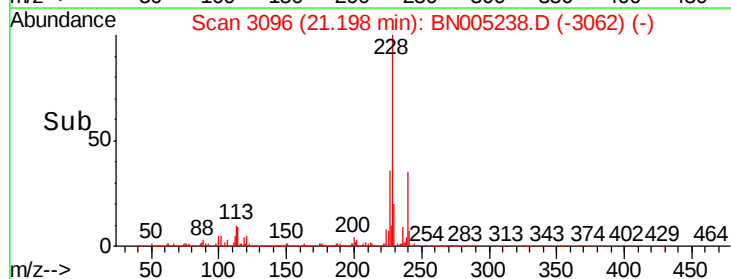
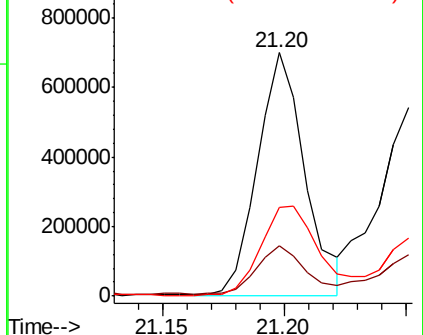
226 36.7 21.4 32.2#

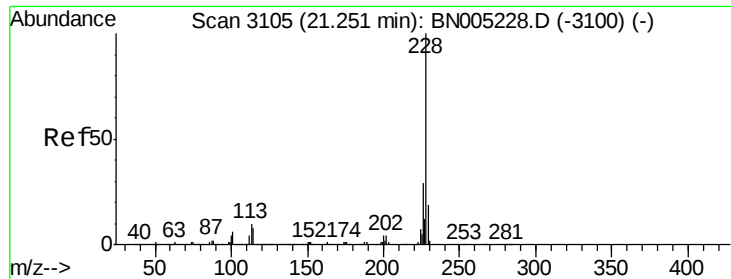


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 6.345 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

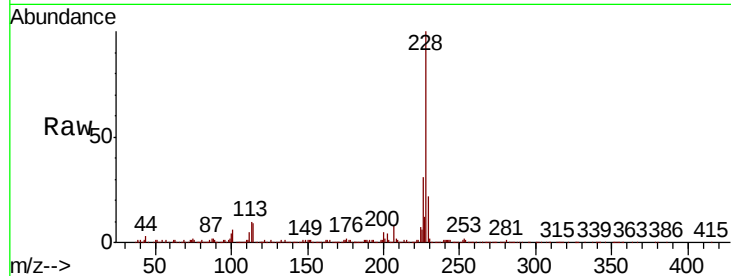
ClientSampled :

GAHQ8

Tot Ion:	228	Resp:	766957
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.0	36.0
229	21.6	15.4	23.0

Manual Integrations
APPROVED

Sohil
4/24/2019 11:46:08 AM

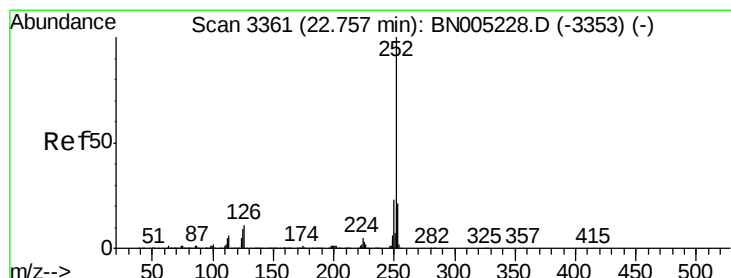
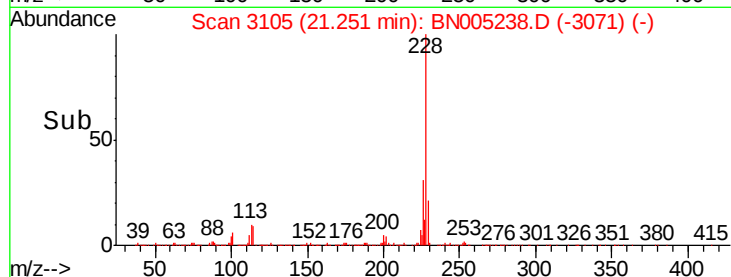
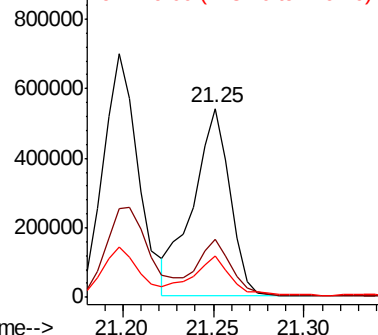


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 5.015 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

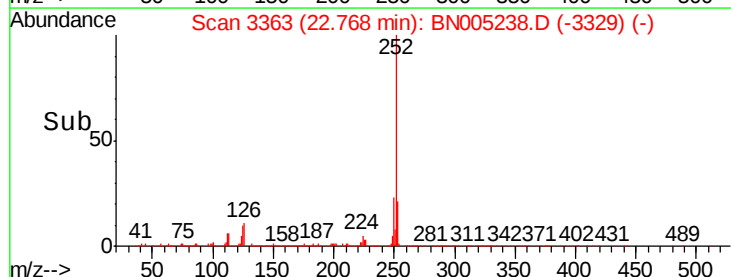
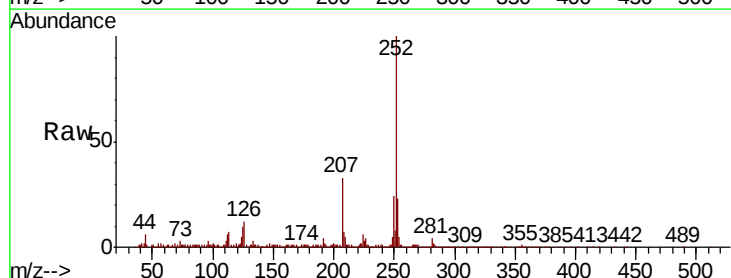
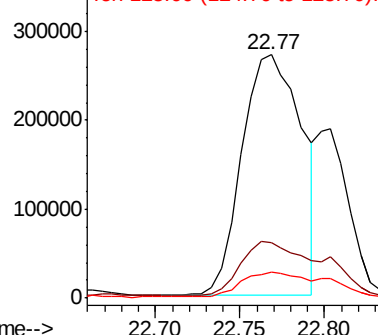
Tgt Ion:	252	Resp:	662247
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.7	26.5
125	10.5	8.4	12.6

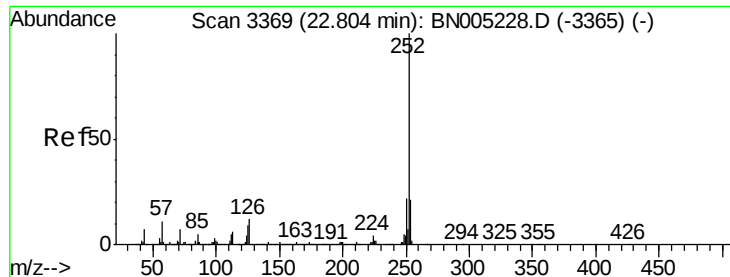
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





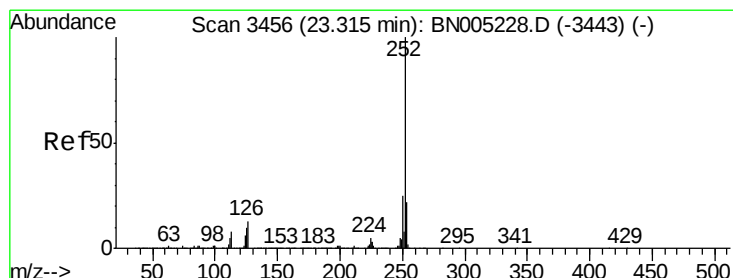
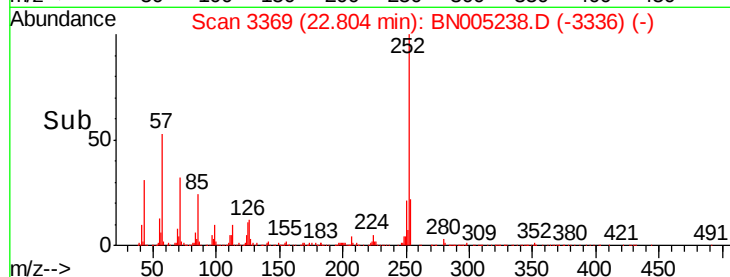
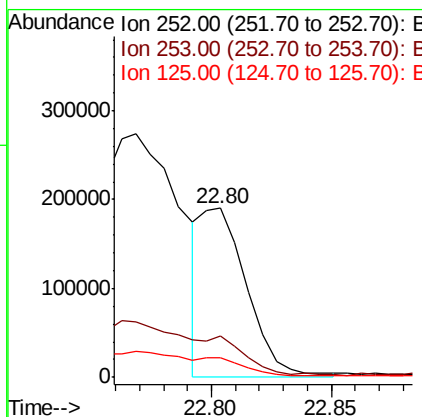
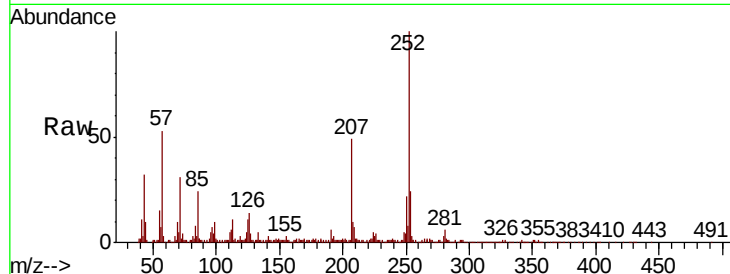
#88
Benzo(k)fluoranthene
Concen: 2.000 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BN005238.D
Acq: 24 Apr 2019 05:25

Instrument :
BNA_N
ClientSampleId :
GAHQ8

Tot Ion	Ratio	Resp	Lower	Upper
252	100	252178		
253	24.4		17.4	26.0
125	11.3		7.5	11.3#

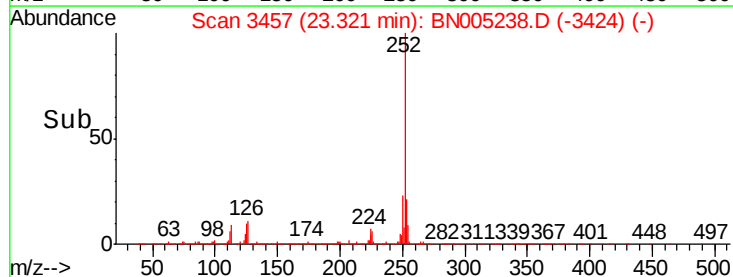
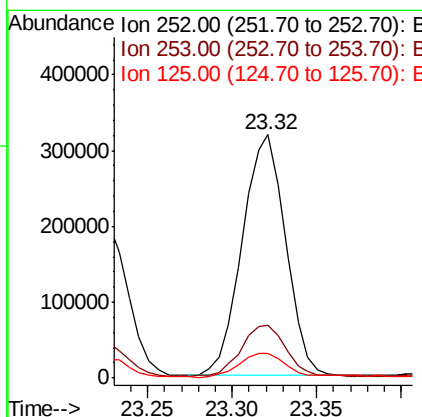
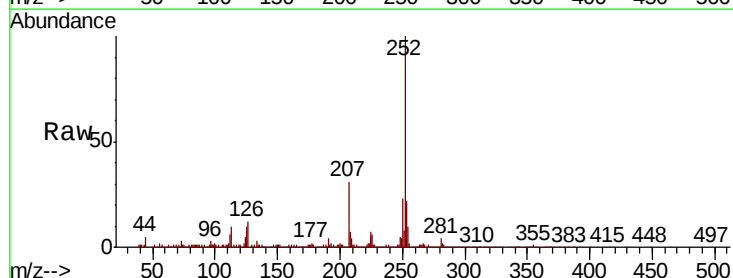
Manual Integrations
APPROVED

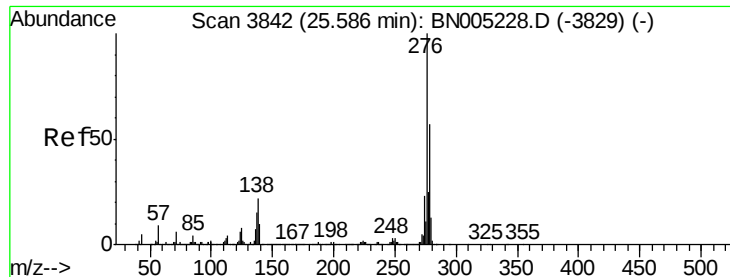
Sohil
4/24/2019 11:46:08 AM



#90
Benzo(a)pyrene
Concen: 4.575 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. -0.01 min
Lab File: BN005238.D
Acq: 24 Apr 2019 05:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	567825		
253	21.7		17.3	25.9
125	10.2		8.6	13.0





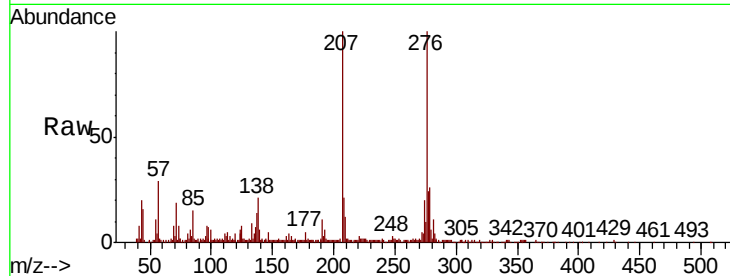
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 2.113 ng/ul
 RT: 25.59 min Scan# 3842
 Delta R.T. -0.02 min
 Lab File: BN005238.D
 Acq: 24 Apr 2019 05:25

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	17.9	26.9
277	24.1	19.7	29.5

Manual Integrations
 APPROVED

Sohil
 4/24/2019 11:46:08 AM

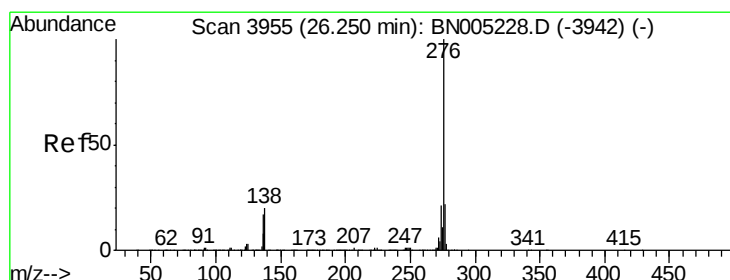
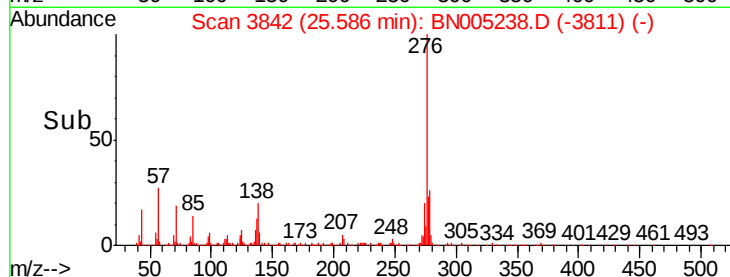
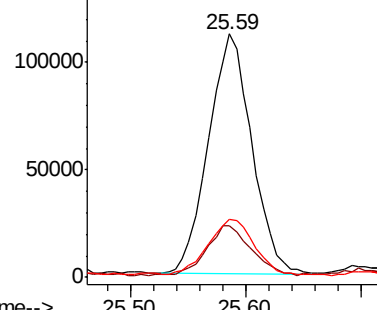


Abundance

Ion 276.00 (275.70 to 276.70): E

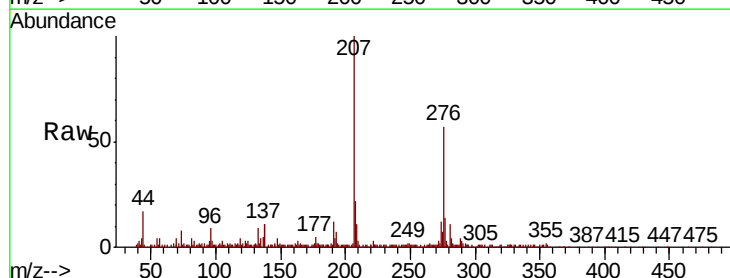
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93
 Benzo(g,h,i)perylene
 Concen: 1.637 ng/ul
 RT: 26.25 min Scan# 3955
 Delta R.T. -0.01 min
 Lab File: BN005238.D
 Acq: 24 Apr 2019 05:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.7	25.1
277	24.6	18.2	27.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

