

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005201.D
 Acq On : 23 Apr 2019 07:22
 Operator : JU/SJ
 Sample : K2402-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHH9

Manual Integrations
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Sohil
 4/23/2019 4:20:04 PM

Quant Time: Apr 23 09:32:49 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	253380	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1248899	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	731786	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1518955	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	1236613	20.00	ng/ul	0.01
85) Perylene-d12	23.43	264	1500686m	20.00	ng/ul	0.01

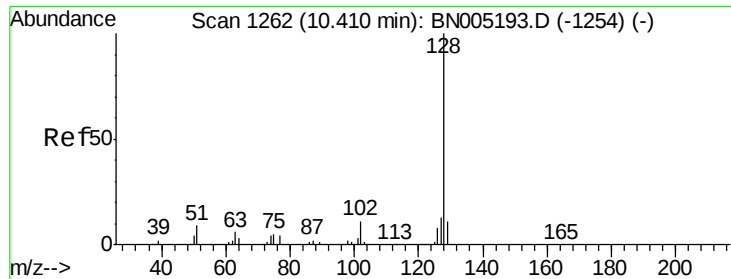
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	83231	15.86	ng/uL	0.00
5) Phenol-d5	6.78	99	774496	38.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	479801	38.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	618732	40.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	620341	39.88	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	297326	38.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	323126	41.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	614492	34.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	419967	22.80	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1760783	33.15	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2157569	33.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	241882	28.84	ng/ul	0.00
57) Fluorene-d10	15.23	176	1447769	32.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	111850	16.37	ng/ul	0.00
70) Anthracene-d10	17.09	188	2100488	32.99	ng/ul	0.00
78) Pyrene-d10	19.40	212	2108865	33.34	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	2040724	31.12	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.41	128	1077194	18.553	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	1401706	32.972	ng/ul	99
40) 1,1'-Biphenyl	13.06	154	90934	1.668	ng/ul	99
44) Dimethylphthalate	13.70	163	568933	10.749	ng/ul	99
47) Acenaphthylene	13.95	152	4603031	71.789	ng/ul	99
49) Acenaphthene	14.29	153	139959	3.197	ng/ul	97
58) Fluorene	15.29	166	744970m	15.148	ng/ul	
69) Phenanthrene	17.03	178	2610463	35.288	ng/ul	99
71) Anthracene	17.12	178	2446268	32.462	ng/ul	99
76) Fluoranthene	19.07	202	11960072	145.760	ng/ul	100
79) Pyrene	19.43	202	17113696m	214.938	ng/ul	
82) Benzo(a)anthracene	21.21	228	10391107	135.072	ng/ul#	74
84) Chrysene	21.26	228	9211847	129.021	ng/ul	95
87) Benzo(b)fluoranthene	22.79	252	8055047	95.487	ng/ul	99
88) Benzo(k)fluoranthene	22.82	252	2192415m	27.212	ng/ul	
90) Benzo(a)pyrene	23.34	252	7769597m	97.987	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.62	276	3523373m	40.191	ng/ul	
92) Dibenzo(a,h)anthracene	25.63	278	1233648m	16.581	ng/ul	
93) Benzo(g,h,i)perylene	26.28	276	2522164m	34.794	ng/ul	

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



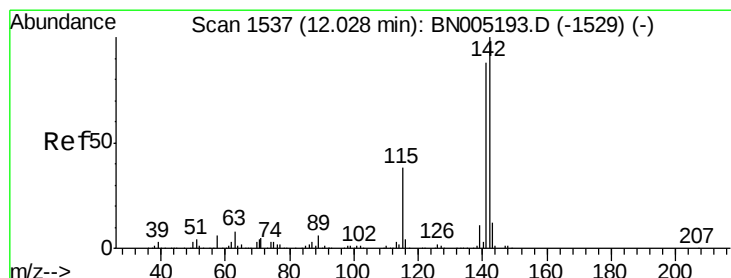
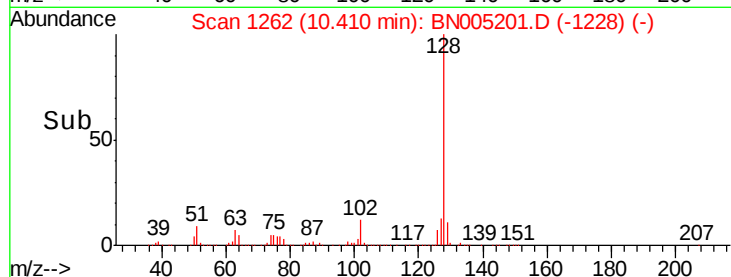
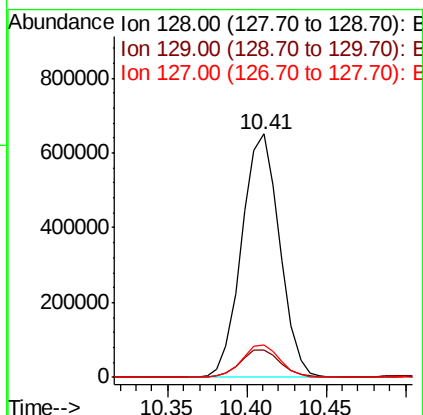
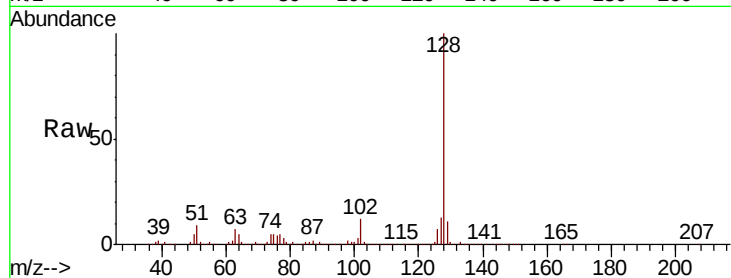
#28
Naphthalene
Concen: 18.553 ng/ul
RT: 10.41 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BN005201.D
Acq: 23 Apr 2019 07:22

Instrument :
BNA_N
ClientSampleId :
GAHH9

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.2	10.7	16.1

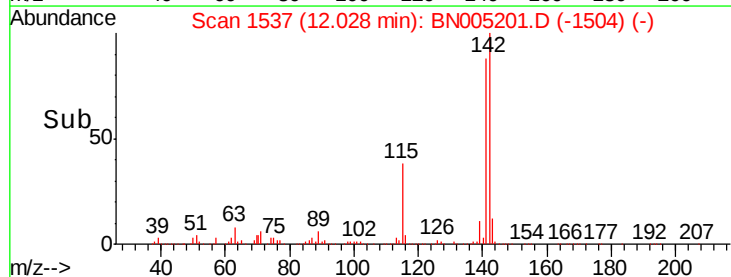
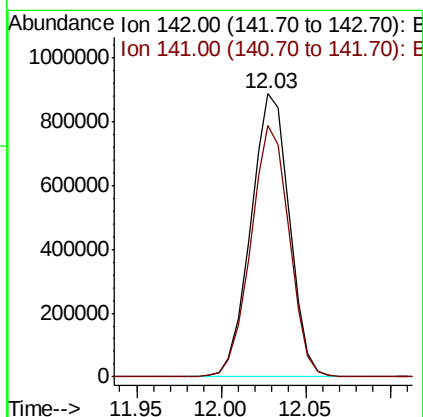
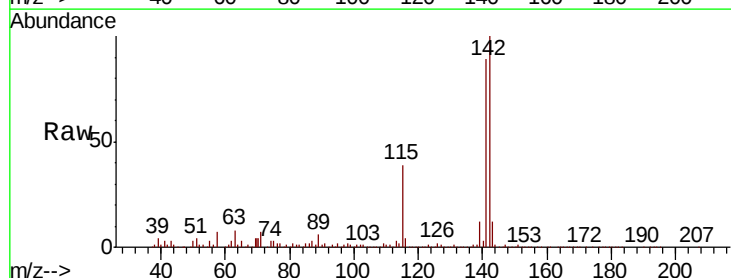
Manual Integrations
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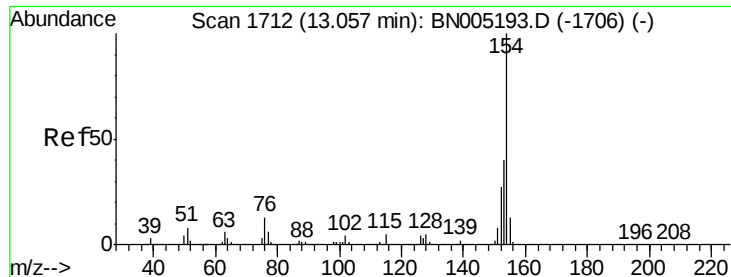
Sohil
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#34
2-Methylnaphthalene
Concen: 32.972 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. -0.01 min
Lab File: BN005201.D
Acq: 23 Apr 2019 07:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.0	108.0





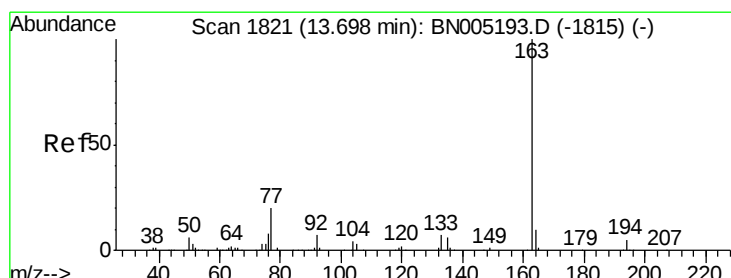
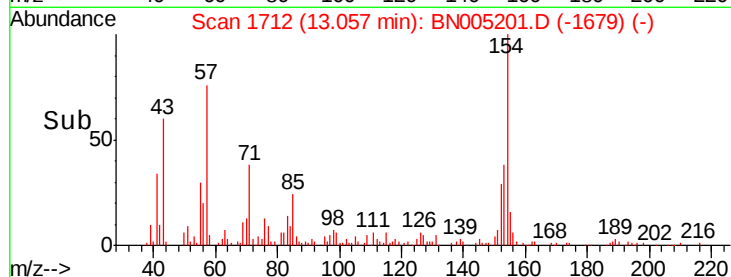
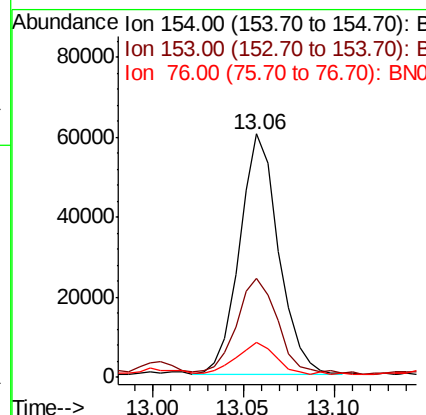
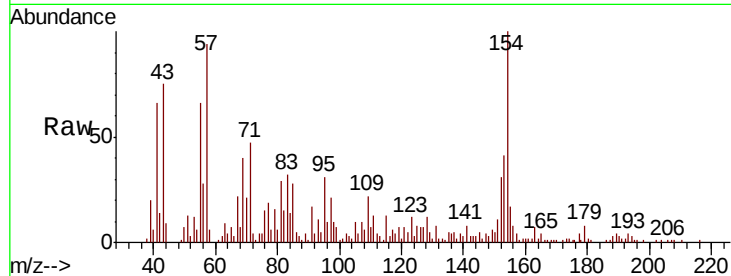
#40
1,1'-Biphenyl
Concen: 1.668 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BN005201.D
Acq: 23 Apr 2019 07:22

Instrument :
BNA_N
ClientSampleId :
GAHH9

Tot Ion:	154	Resp:	90934
Ion Ratio	Lower	Upper	
154	100		
153	40.6	32.6	49.0
76	14.6	10.4	15.6

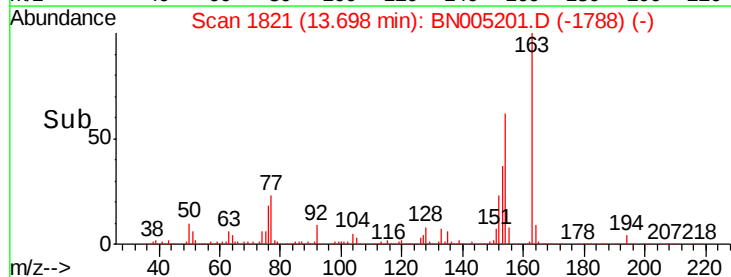
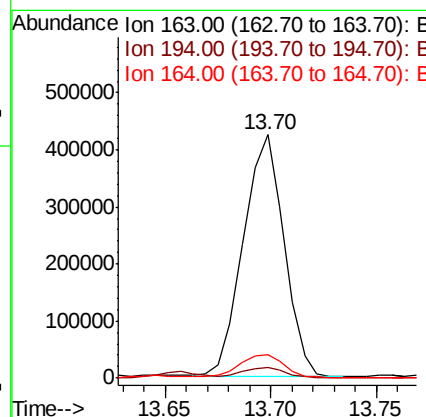
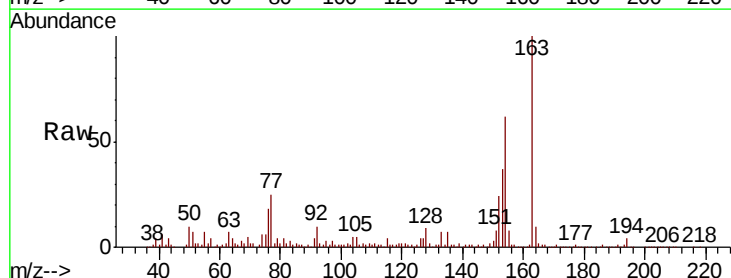
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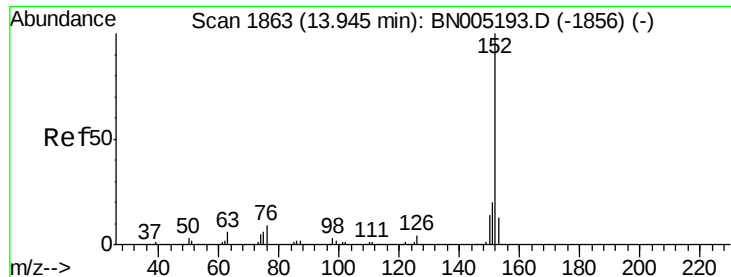
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#44
Dimethylphthalate
Concen: 10.749 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BN005201.D
Acq: 23 Apr 2019 07:22

Tgt Ion:	163	Resp:	568933
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.4	5.0
164	9.8	8.1	12.1





#47

Acenaphthylene

Concen: 71.789 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN005201.D

Acq: 23 Apr 2019 07:22

Instrument :

BNA_N

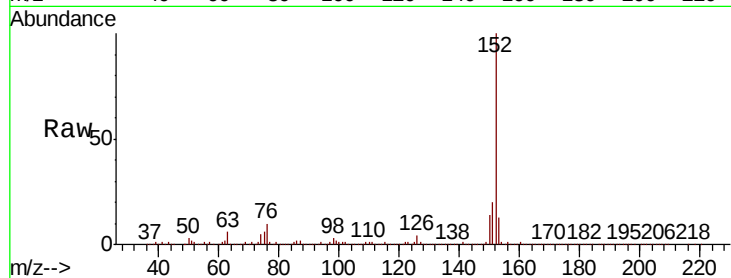
ClientSampleId :

GAHH9

Tot Ion:	152	Resp:	4603031
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.2	9.8	14.8

Manual Integrations
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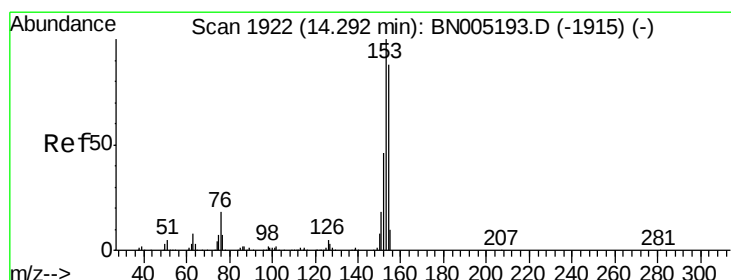
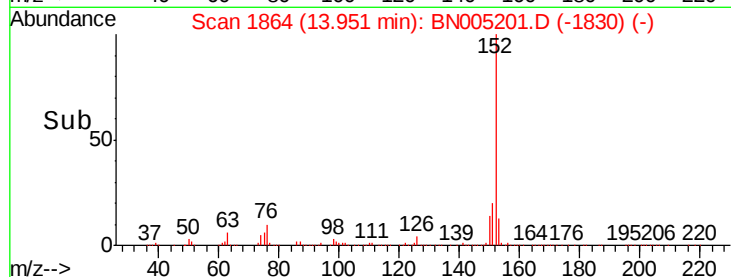
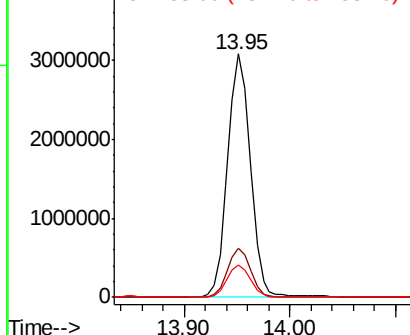


Abundance

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: 3.197 ng/ul

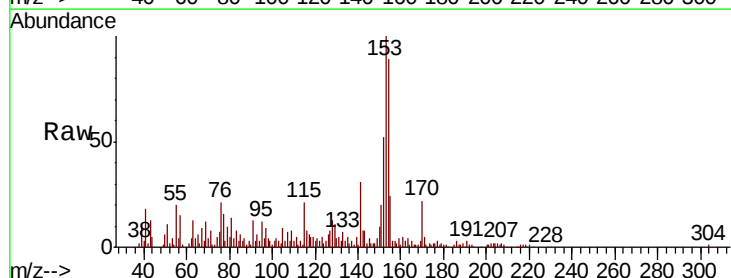
RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005201.D

Acq: 23 Apr 2019 07:22

Tgt Ion:	153	Resp:	139959
Ion	Ratio	Lower	Upper
153	100		
152	52.4	37.4	56.0
154	89.3	71.2	106.8

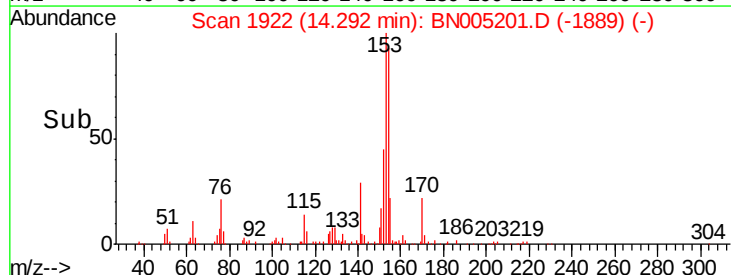
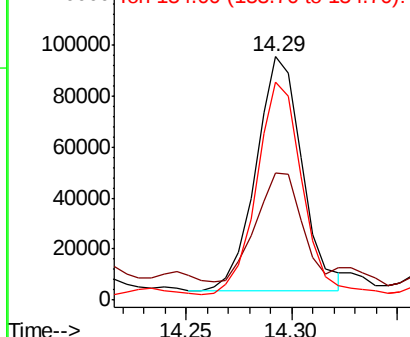


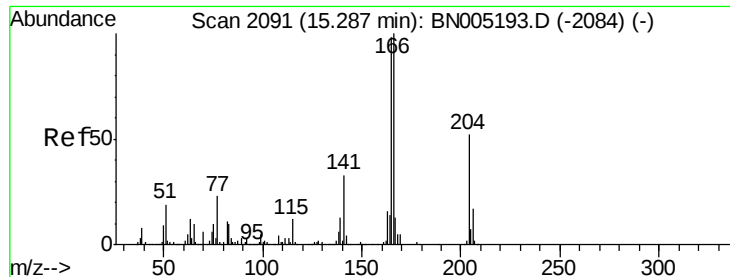
Abundance

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





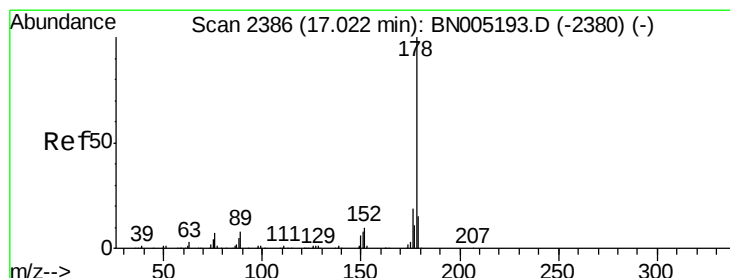
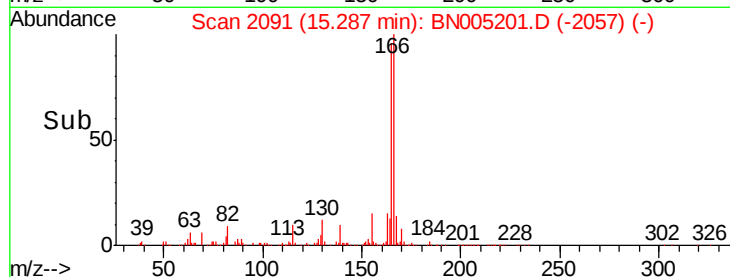
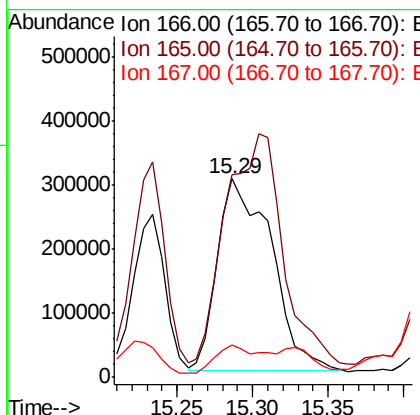
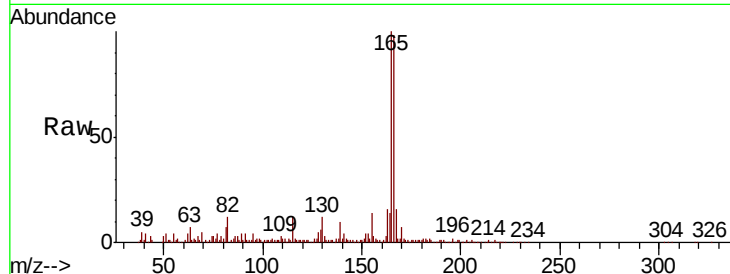
#58
Fluorene
 Concen: 15.148 ng/ul m
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005201.D
 Acq: 23 Apr 2019 07:22

Instrument :
 BNA_N
 ClientSampled :
 GAHH9

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	102.4	80.0	120.0	
167	16.1	10.7	16.1	

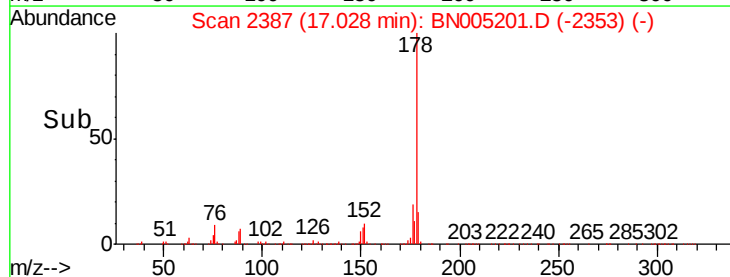
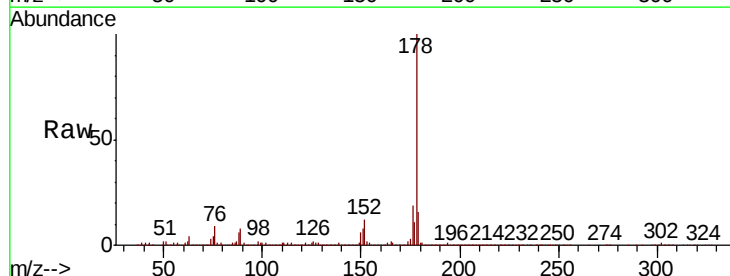
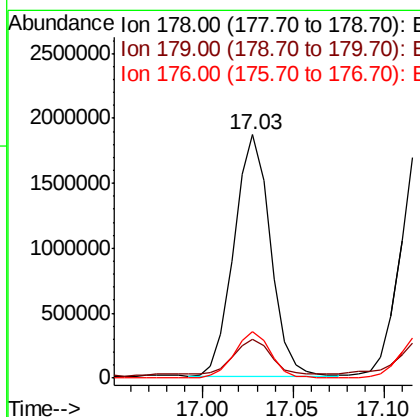
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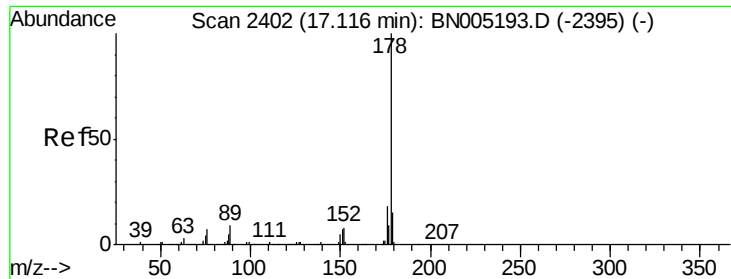
Sohil
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#69
Phenanthrene
 Concen: 35.288 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. 0.00 min
 Lab File: BN005201.D
 Acq: 23 Apr 2019 07:22

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
179	16.1	12.2	18.4	
176	19.1	15.1	22.7	





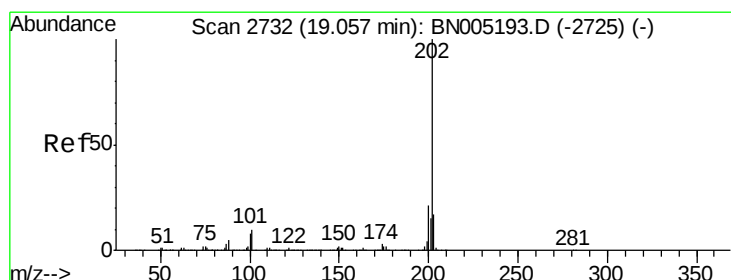
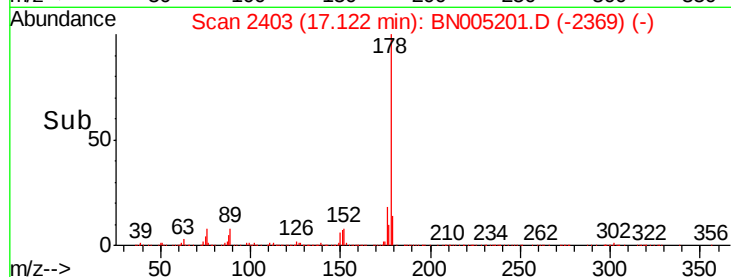
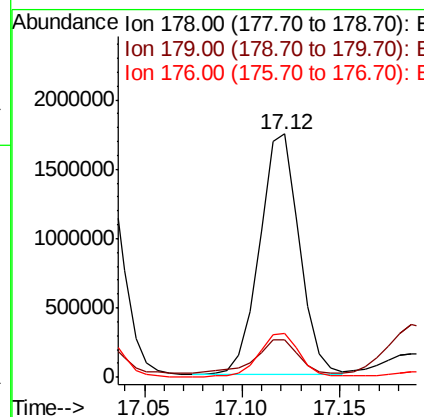
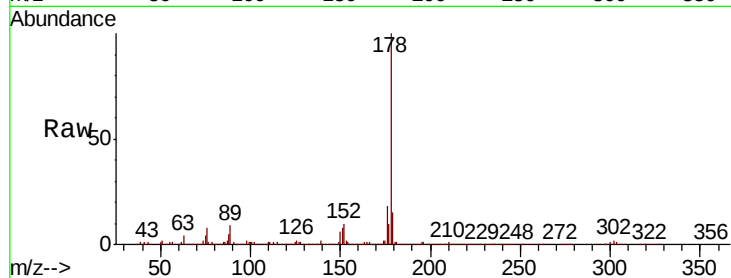
#71
 Anthracene
 Concen: 32.462 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.00 min
 Lab File: BN005201.D
 Acq: 23 Apr 2019 07:22

Instrument :
 BNA_N
 ClientSampleId :
 GAHH9

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.3	15.1	22.7

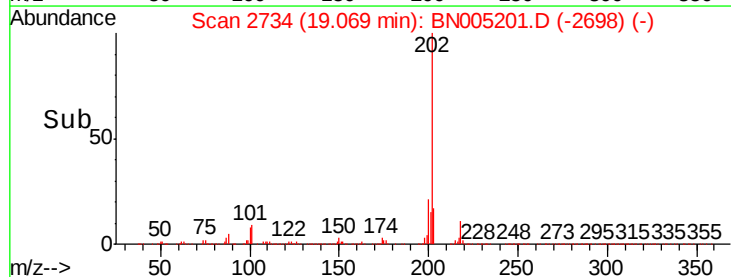
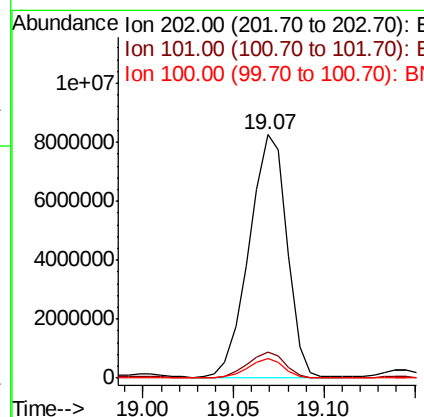
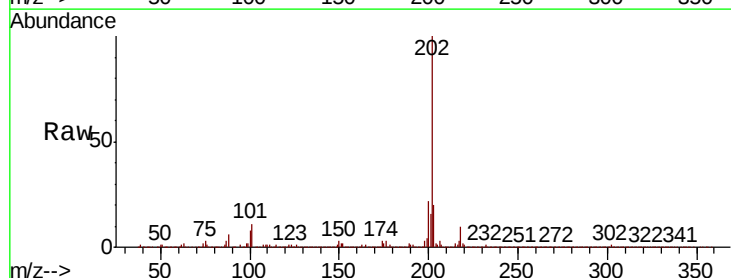
Manual Integrations
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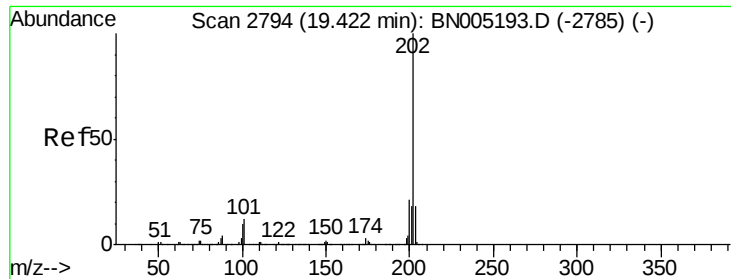
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#76
 Fluoranthene
 Concen: 145.760 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BN005201.D
 Acq: 23 Apr 2019 07:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.6	12.8
100	8.0	6.3	9.5





#79

Pvrene

Concen: 214.938 ng/ul m

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005201.D

Acq: 23 Apr 2019 07:22

Instrument :

BNA_N

ClientSampled :

GAHH9

Tot Ion:202 Resp:17113696

Ion Ratio Lower Upper

202 100

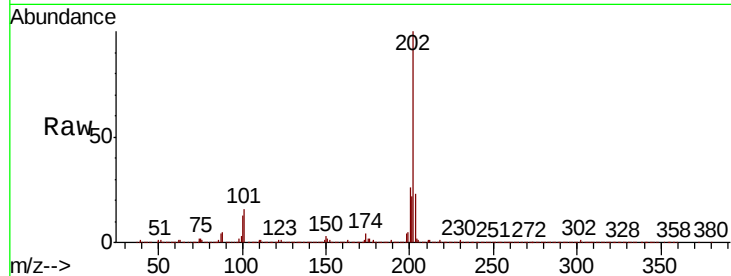
101 15.6 10.3 15.5#

100 12.7 7.9 11.9#

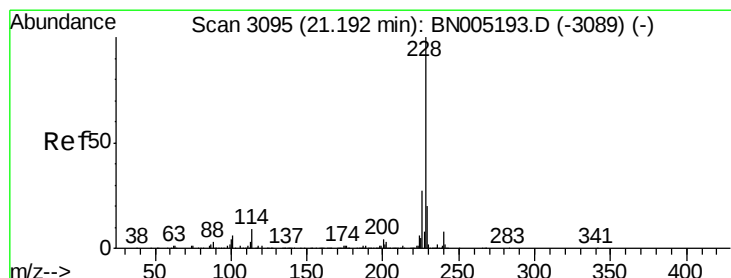
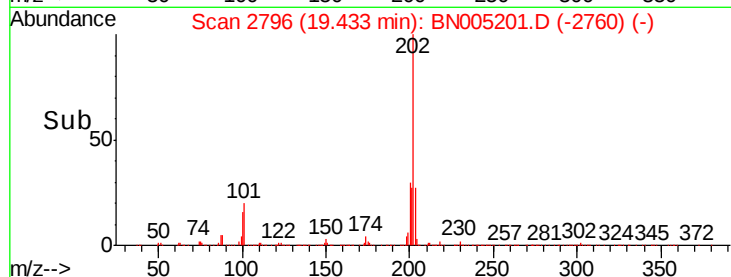
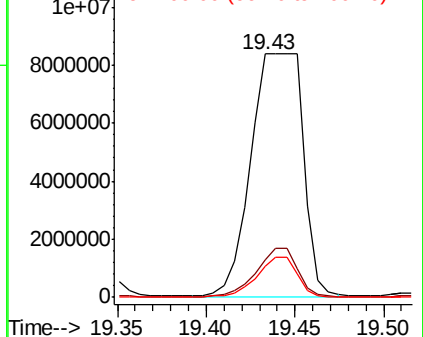
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 135.072 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BN005201.D

Acq: 23 Apr 2019 07:22

Tgt Ion:228 Resp:10391107

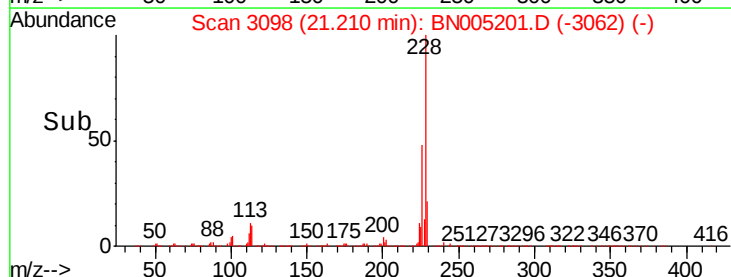
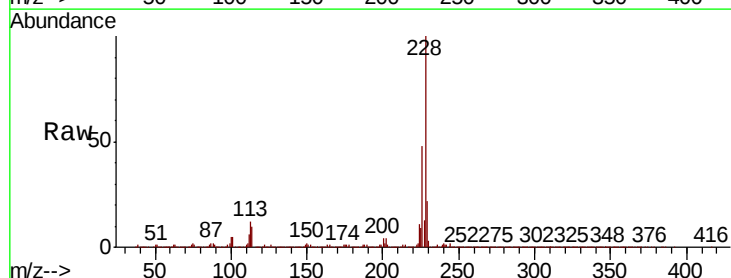
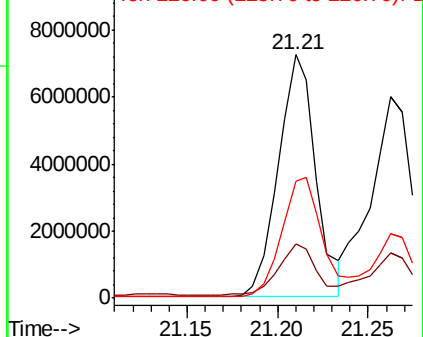
Ion Ratio Lower Upper

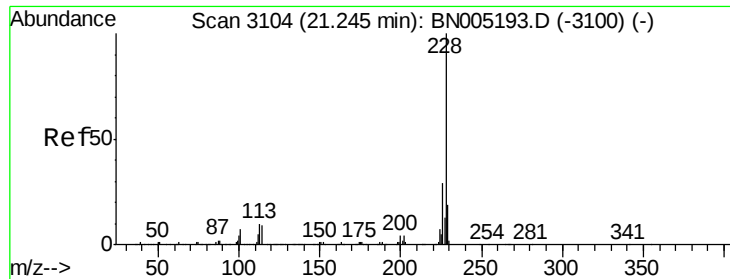
228 100

229 22.3 15.8 23.6

226 48.1 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: 129.021 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN005201.D

Acq: 23 Apr 2019 07:22

Instrument :

BNA_N

ClientSampleId :

GAHH9

Tot Ion:228 Resp: 9211847

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	22.1	15.4	23.0

228 100

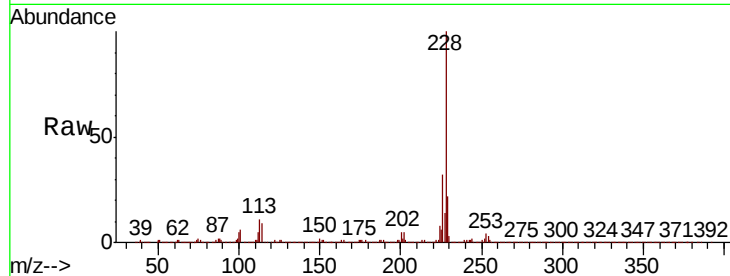
226 32.2 24.0 36.0

229 22.1 15.4 23.0

Manual Integrations
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4/23/2019 4:20:04 PM

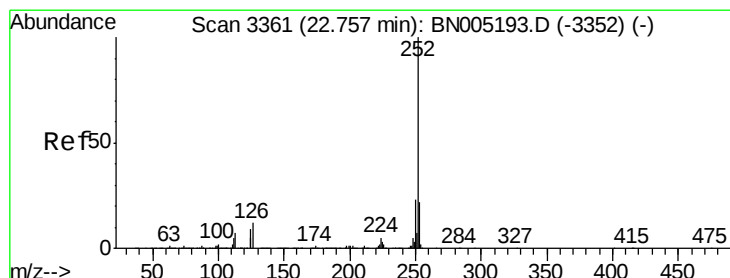
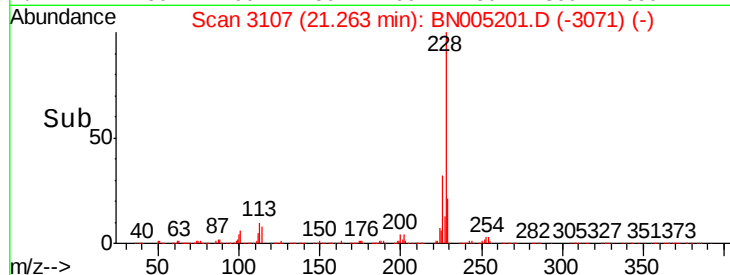
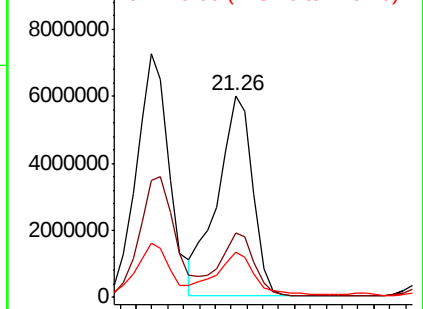


Abundance

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: 95.487 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. 0.02 min

Lab File: BN005201.D

Acq: 23 Apr 2019 07:22

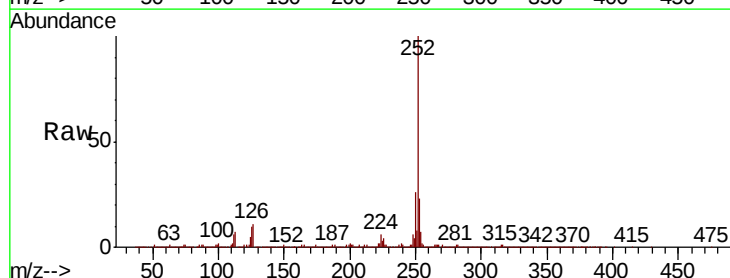
Tgt Ion:252 Resp: 8055047

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.2	8.4	12.6

252 100

253 22.6 17.7 26.5

125 10.2 8.4 12.6

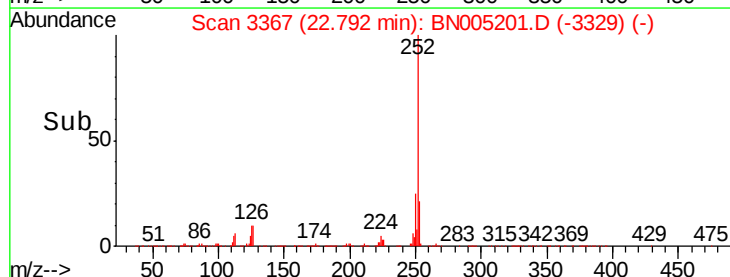
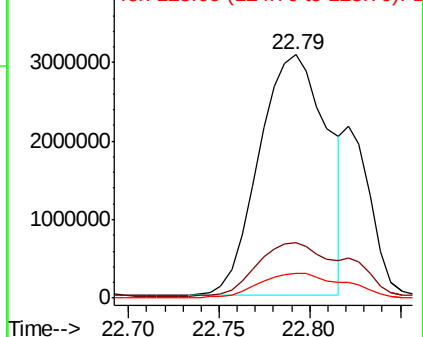


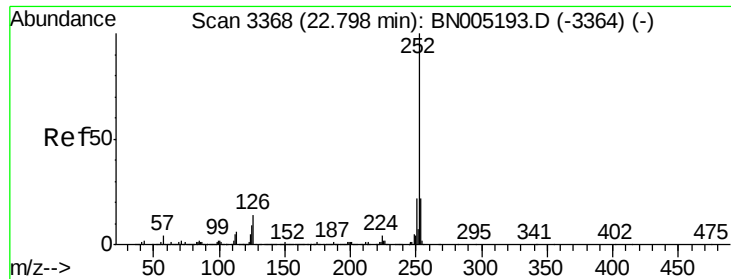
Abundance

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





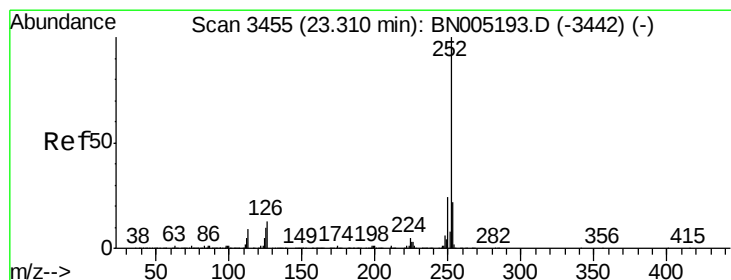
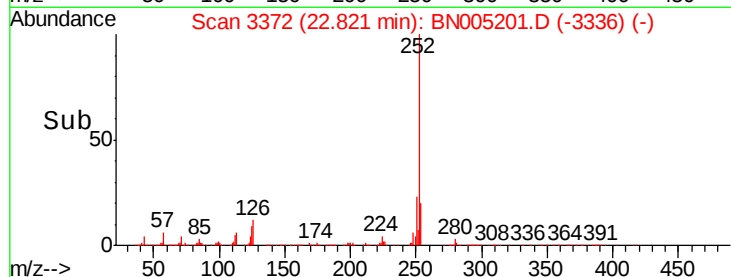
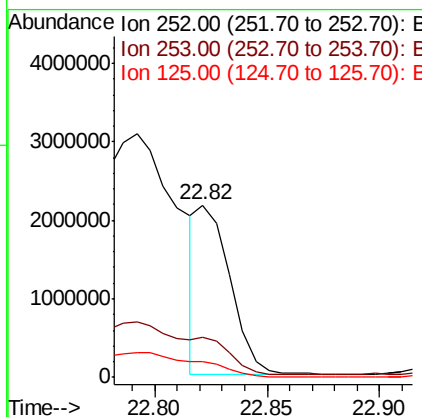
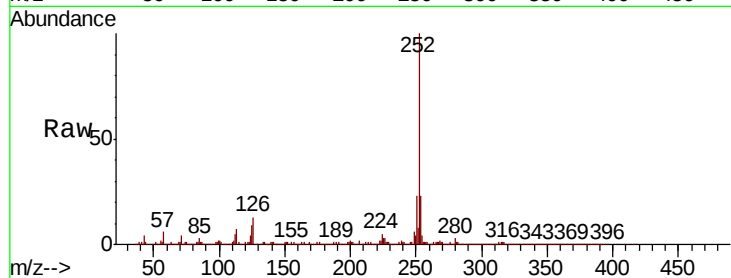
#88
Benzo(k)fluoranthene
Concen: 27.212 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BN005201.D
Acq: 23 Apr 2019 07:22

Instrument :
BNA_N
ClientSampleId :
GAHH9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	9.4	7.5	11.3

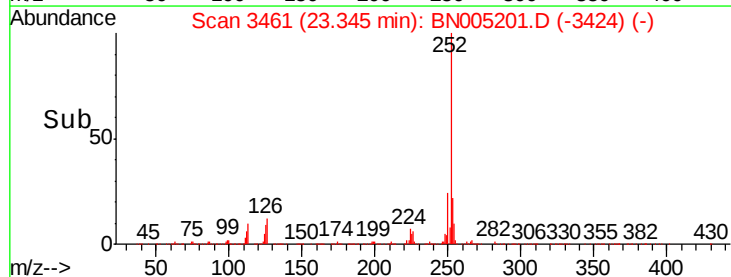
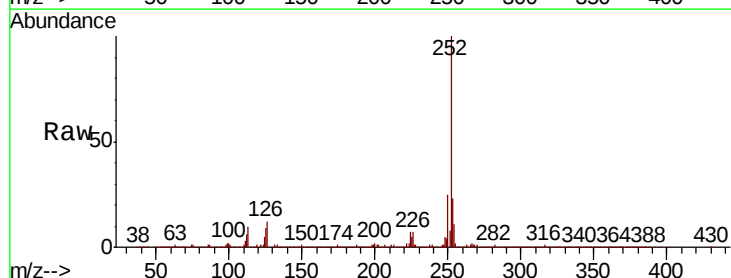
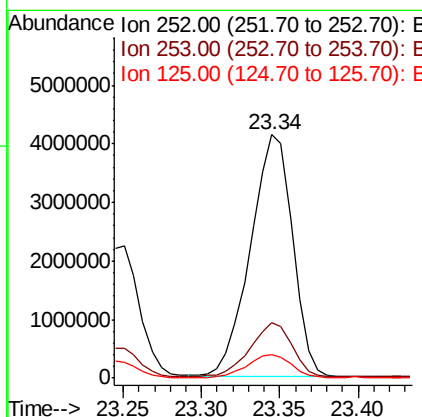
Manual Integrations
APPROVED

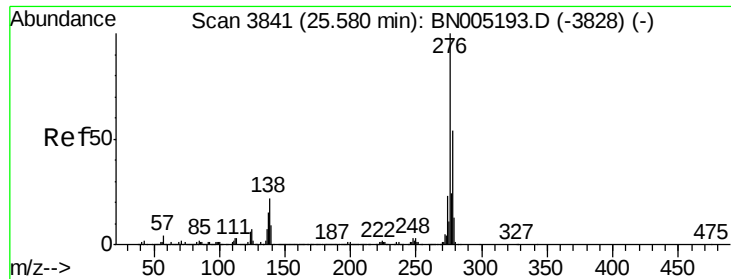
Sohil
4/23/2019 4:20:04 PM



#90
Benzo(a)pyrene
Concen: 97.987 ng/ul m
RT: 23.34 min Scan# 3461
Delta R.T. 0.02 min
Lab File: BN005201.D
Acq: 23 Apr 2019 07:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	9.5	8.6	13.0





#91

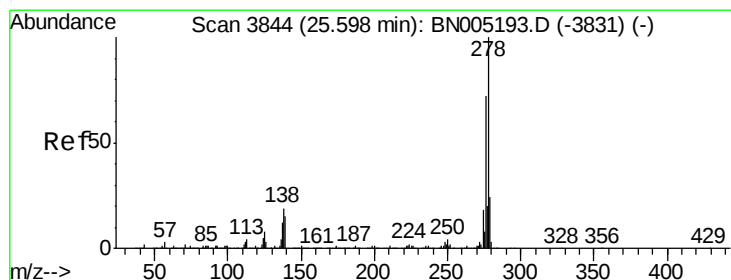
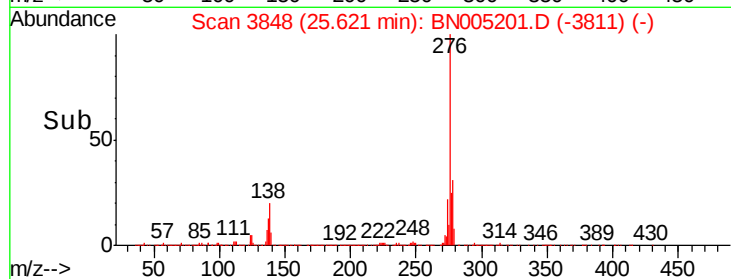
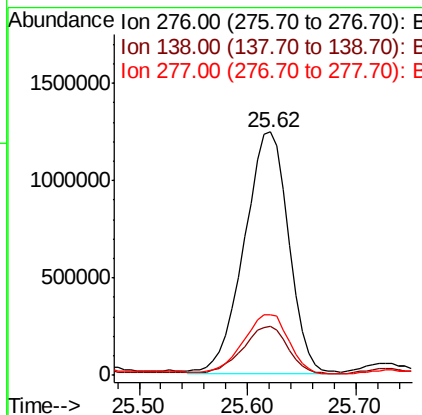
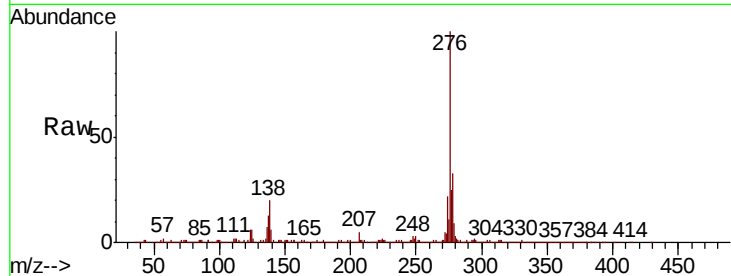
Indeno(1,2,3-cd)pyrene
Concen: 40.191 ng/ul m
RT: 25.62 min Scan# 3848
Delta R.T. 0.02 min
Lab File: BN005201.D
Acq: 23 Apr 2019 07:22

Instrument :
BNA_N
ClientSampleId :
GAHH9

Tot Ion:276 Resp: 3523373
Ion Ratio Lower Upper
276 100
138 20.3 17.9 26.9
277 24.9 19.7 29.5

Manual Integrations
APPROVED

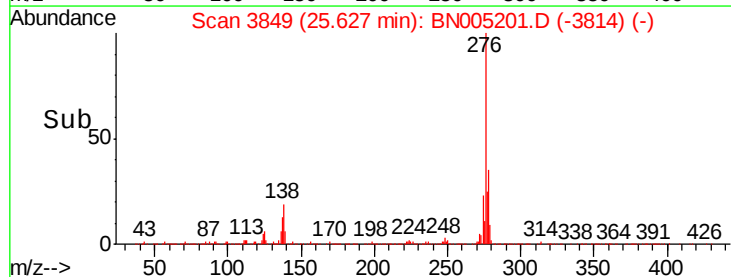
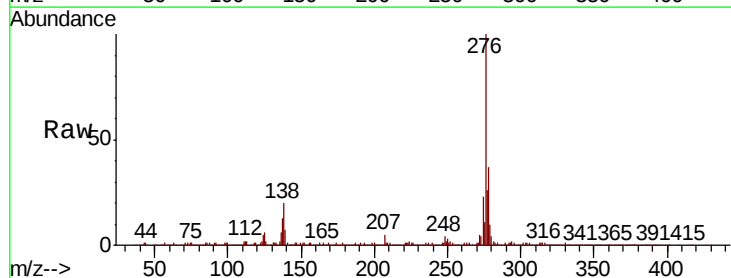
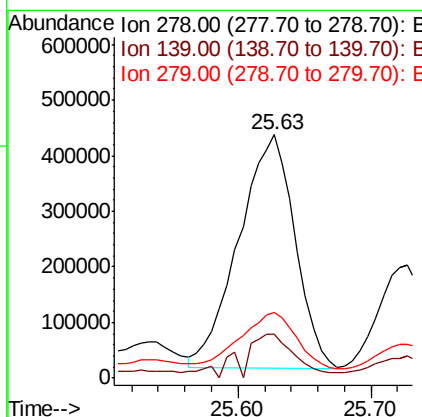
Sohil
4/23/2019 4:20:04 PM

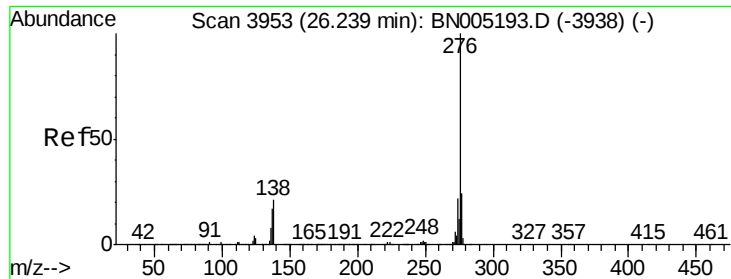


#92

Dibenzo(a,h)anthracene
Concen: 16.581 ng/ul m
RT: 25.63 min Scan# 3849
Delta R.T. 0.01 min
Lab File: BN005201.D
Acq: 23 Apr 2019 07:22

Tgt Ion:278 Resp: 1233648
Ion Ratio Lower Upper
278 100
139 17.9 13.1 19.7
279 27.0 19.4 29.0





#93

Benzo(a,h,i)perylene

Concen: 34.794 ng/ul m

RT: 26.28 min Scan# 3960

Delta R.T. 0.02 min

Lab File: BN005201.D

Acq: 23 Apr 2019 07:22

Instrument :

BNA_N

ClientSampleId :

GAHH9

Tot Ion:276 Resp: 2522164

Ion Ratio Lower Upper

276 100

138 19.7 16.7 25.1

277 24.5 18.2 27.2

Manual Integrations

APPROVED

Sohil

4/23/2019 4:20:04 PM

