

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
 Data File : BN005236.D
 Acq On : 24 Apr 2019 04:15
 Operator : JU/SJ
 Sample : K2402-05DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAHH7DL

Manual Integrations
 APPROVED

Sohil
 4/24/2019 11:46:03 AM

Quant Time: Apr 24 09:49:46 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	431484	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1755571	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	986015	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2110471	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1790013	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1975610	20.00	ng/ul	0.00

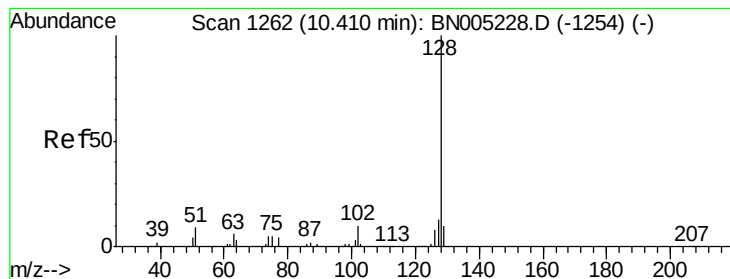
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	4575	0.51	ng/uL	0.00
5) Phenol-d5	6.78	99	71285	2.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	50531	2.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	61797	2.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	37303	1.41	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	29762	2.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	27418	2.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	56686	2.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	69218	2.67	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	211087	2.95	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	251895	2.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	18196	1.61	ng/ul	0.00
57) Fluorene-d10	15.23	176	181757	3.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	6196	0.65	ng/ul	0.00
70) Anthracene-d10	17.08	188	268360	3.03	ng/ul	0.00
78) Pyrene-d10	19.40	212	279193	3.05	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	249910	2.89	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	6624628	81.171	ng/ul 99
34) 2-Methylnaphthalene	12.03	142	1982245	33.171	ng/ul 97
40) 1,1'-Biphenyl	13.06	154	383978	5.227	ng/ul 98
47) Acenaphthylene	13.95	152	752179	8.706	ng/ul 96
49) Acenaphthene	14.29	153	122352	2.074	ng/ul 96
53) Dibenzofuran	14.63	168	125512	1.478	ng/ul 96
58) Fluorene	15.29	166	820498	12.382	ng/ul 97
69) Phenanthrene	17.03	178	3970929	38.634	ng/ul 99
71) Anthracene	17.12	178	1002166	9.571	ng/ul 100
76) Fluoranthene	19.06	202	1547553	13.574	ng/ul 100
79) Pyrene	19.43	202	2180688	18.921	ng/ul 98
82) Benzo(a)anthracene	21.20	228	742583m	6.668	ng/ul
84) Chrysene	21.25	228	625158	6.049	ng/ul 98
87) Benzo(b)fluoranthene	22.77	252	471537	4.246	ng/ul 99
88) Benzo(k)fluoranthene	22.80	252	129319m	1.219	ng/ul
90) Benzo(a)pyrene	23.32	252	531069	5.088	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.59	276	208824	1.809	ng/ul 98
93) Benzo(g,h,i)perylene	26.25	276	175111	1.835	ng/ul 96

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



#28

Naphthalene

Concen: 81.171 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

ClientSampleId :

GAHH7DL

Tot Ion:128 Resp: 6624628

Ion Ratio Lower Upper

128 100

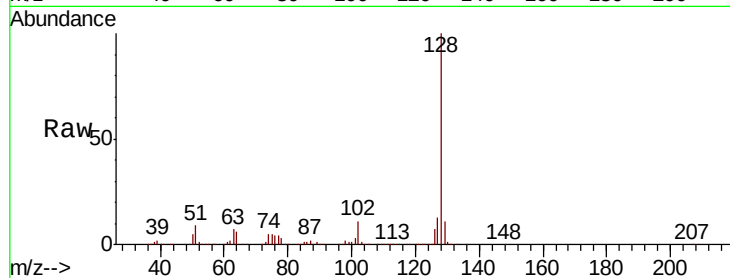
129 11.0 9.2 13.8

127 13.3 10.7 16.1

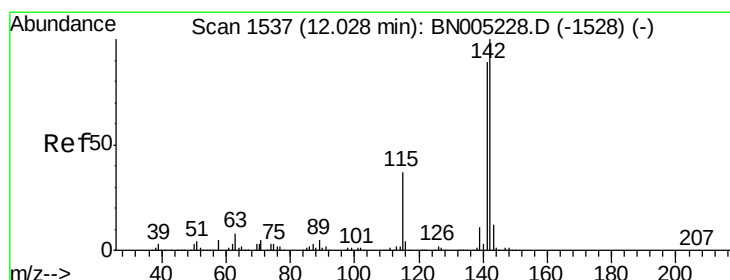
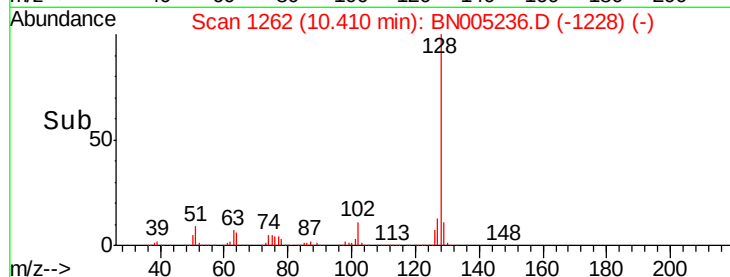
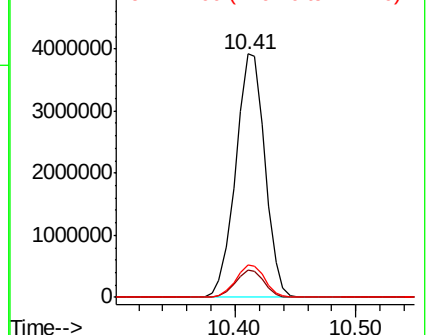
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 33.171 ng/ul

RT: 12.03 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BN005236.D

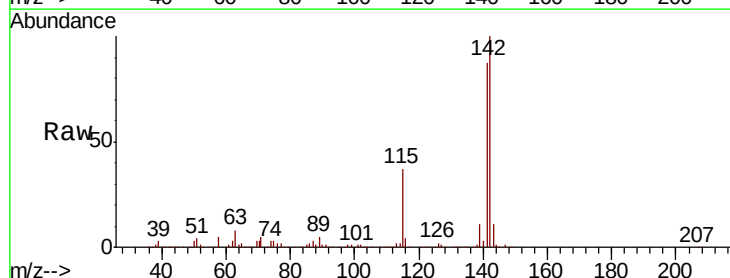
Acq: 24 Apr 2019 04:15

Tgt Ion:142 Resp: 1982245

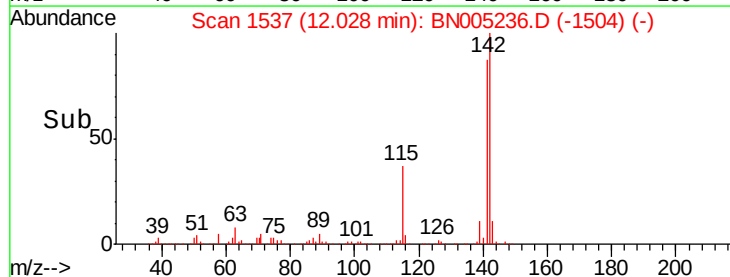
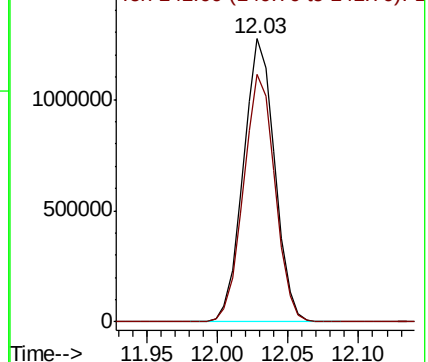
Ion Ratio Lower Upper

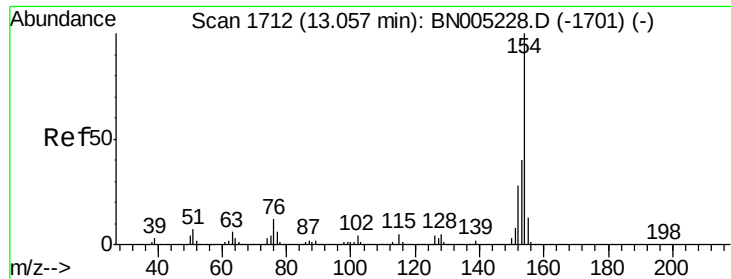
142 100

141 87.4 72.0 108.0



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





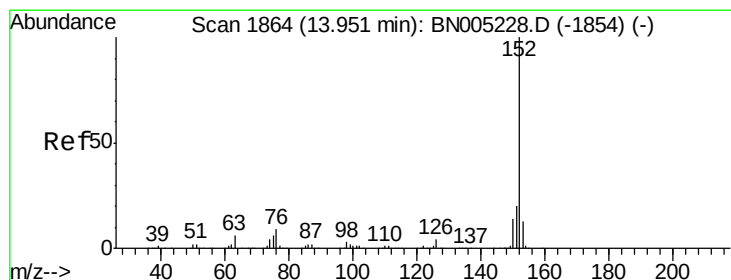
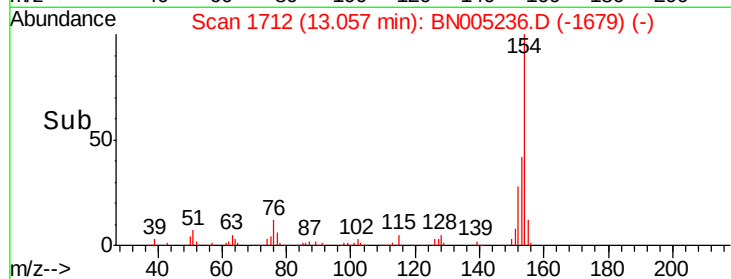
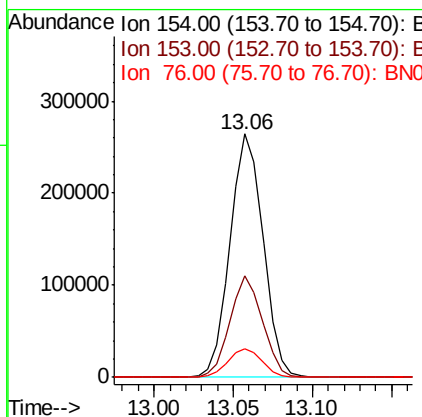
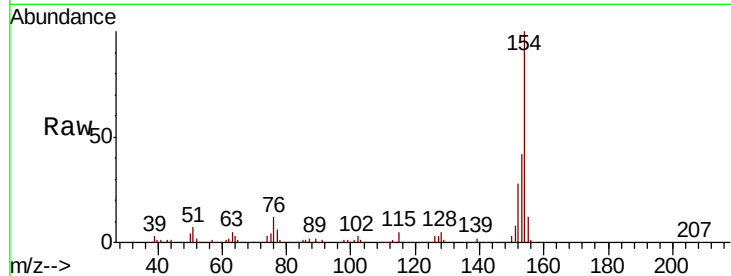
#40
 1,1'-Biphenyl
 Concen: 5.227 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BN005236.D
 Acq: 24 Apr 2019 04:15

Instrument :
 BNA_N
 ClientSampleId :
 GAHH7DL

Tot Ion:	154	Resp:	383978
Ion Ratio	Lower	Upper	
154	100		
153	41.7	32.6	49.0
76	11.9	10.4	15.6

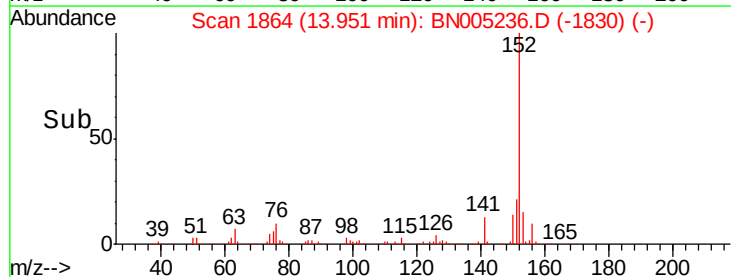
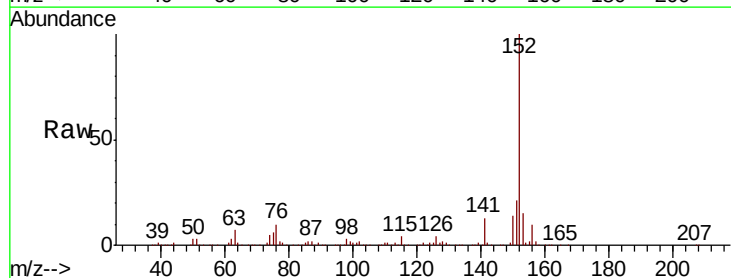
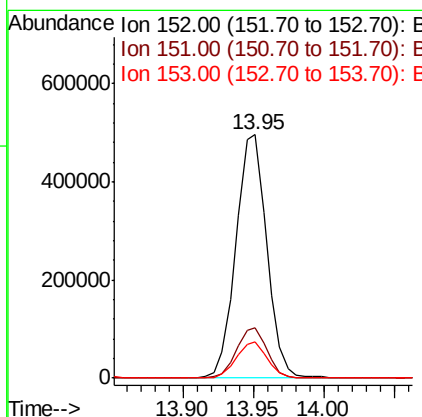
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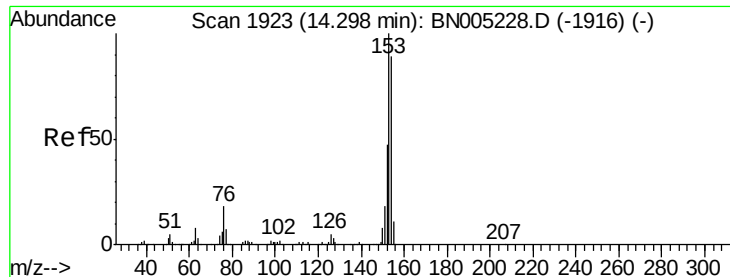
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#47
 Acenaphthylene
 Concen: 8.706 ng/ul
 RT: 13.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: BN005236.D
 Acq: 24 Apr 2019 04:15

Tgt Ion:	152	Resp:	752179
Ion Ratio	Lower	Upper	
152	100		
151	20.9	15.8	23.8
153	14.6	9.8	14.8





#49

Acenaphthene

Concen: 2.074 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

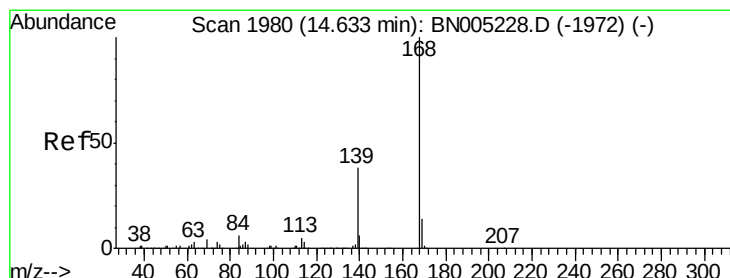
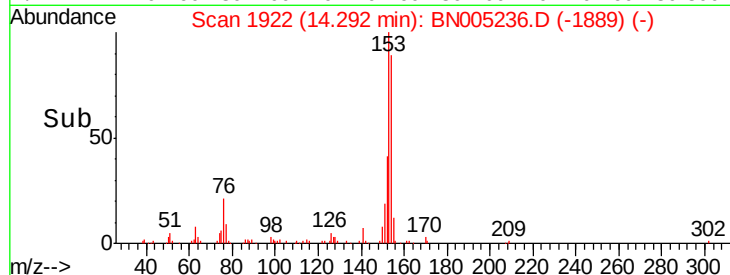
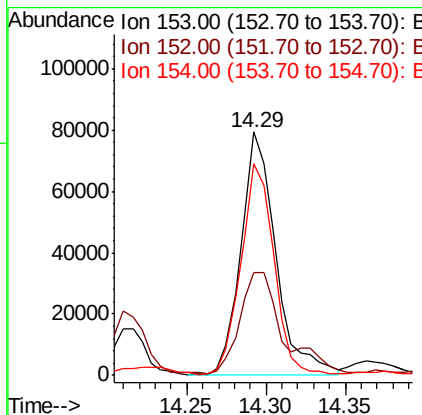
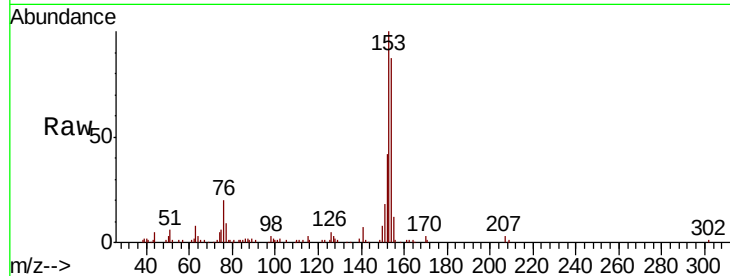
ClientSampled :

GAHH7DL

Tot Ion:	153	Resp:	122352
Ion Ratio	Lower	Upper	
153	100		
152	42.1	37.4	56.0
154	86.7	71.2	106.8

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#53

Dibenzofuran

Concen: 1.478 ng/ul

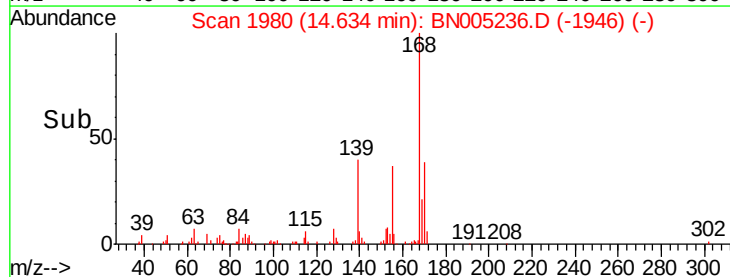
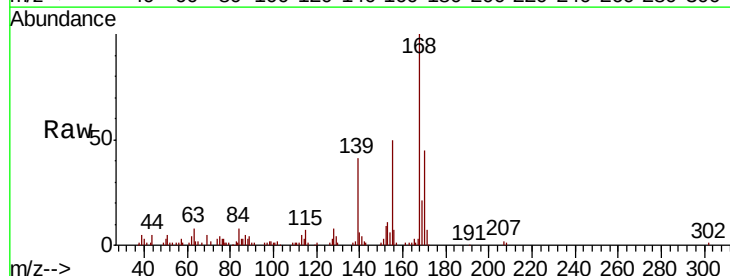
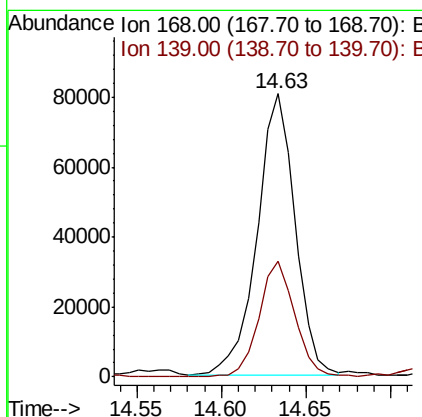
RT: 14.63 min Scan# 1980

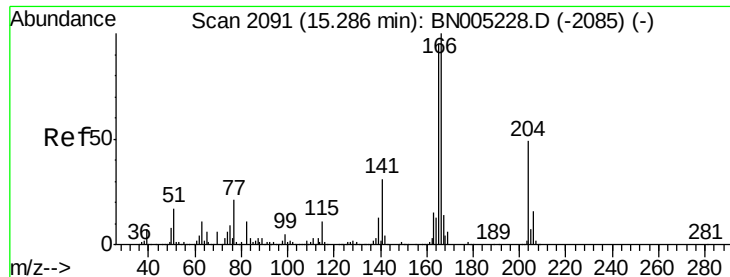
Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Tgt Ion:	168	Resp:	125512
Ion Ratio	Lower	Upper	
168	100		
139	41.0	30.9	46.3





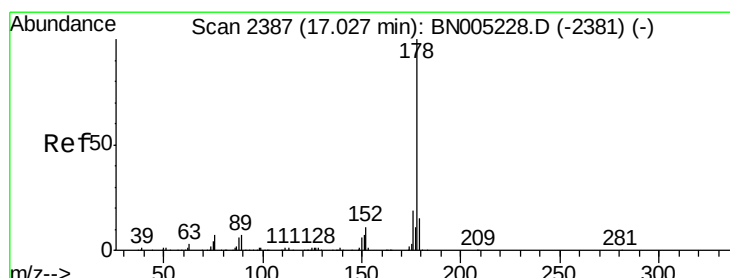
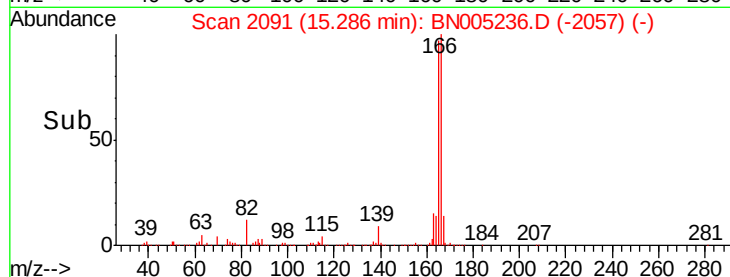
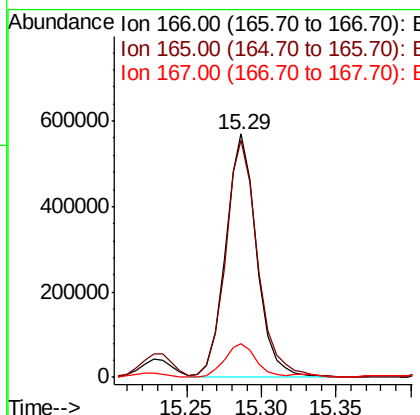
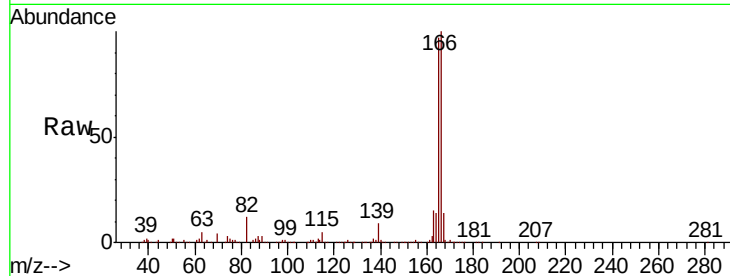
#58
 Fluorene
 Concen: 12.382 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: BN005236.D
 Acq: 24 Apr 2019 04:15

Instrument :
 BNA_N
 ClientSampleId :
 GAHH7DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	80.0	120.0
167	13.9	10.7	16.1

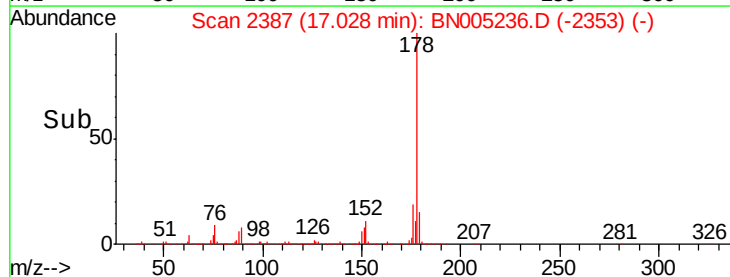
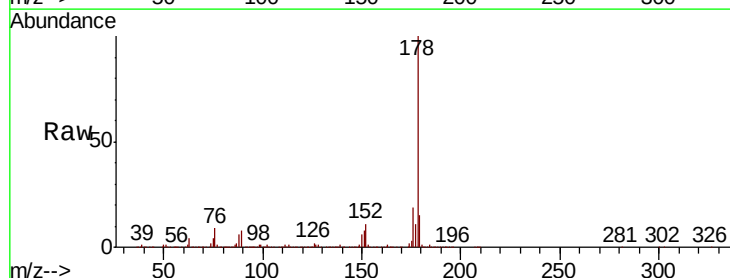
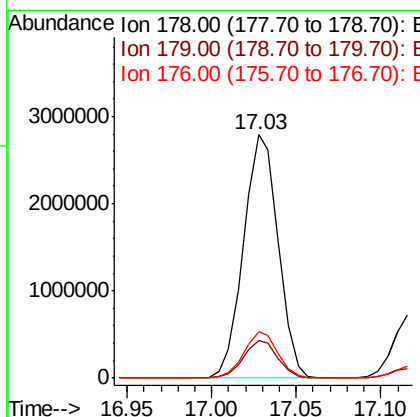
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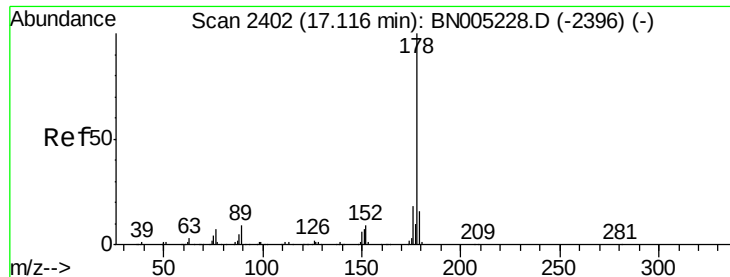
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#69
 Phenanthrene
 Concen: 38.634 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. -0.00 min
 Lab File: BN005236.D
 Acq: 24 Apr 2019 04:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	19.4	15.1	22.7





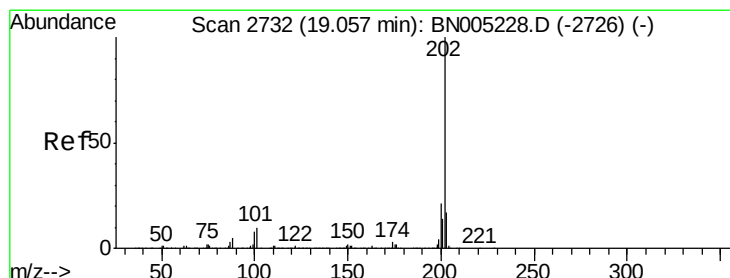
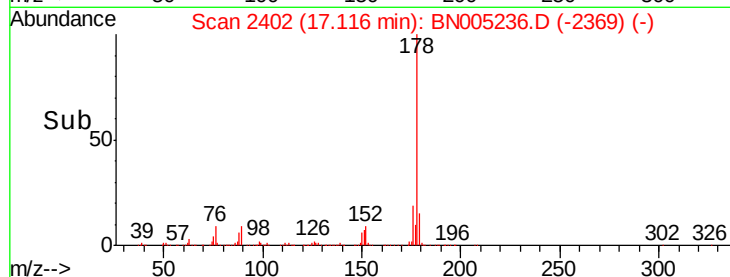
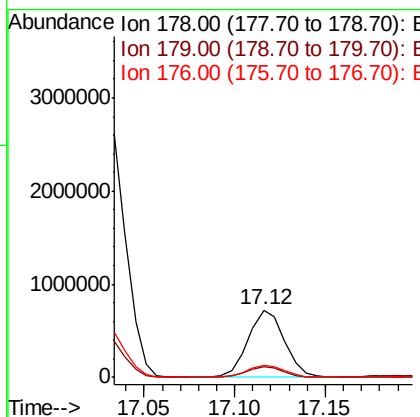
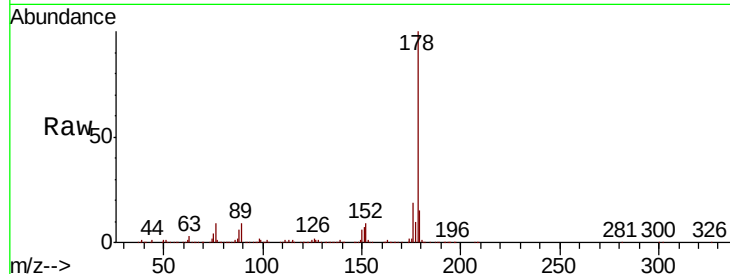
#71
 Anthracene
 Concen: 9.571 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BN005236.D
 Acq: 24 Apr 2019 04:15

Instrument :
 BNA_N
 ClientSampleId :
 GAHH7DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.6	15.1	22.7

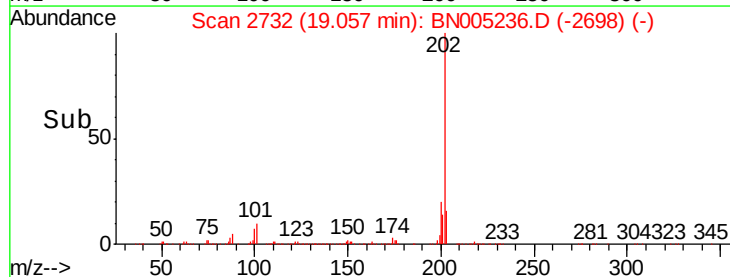
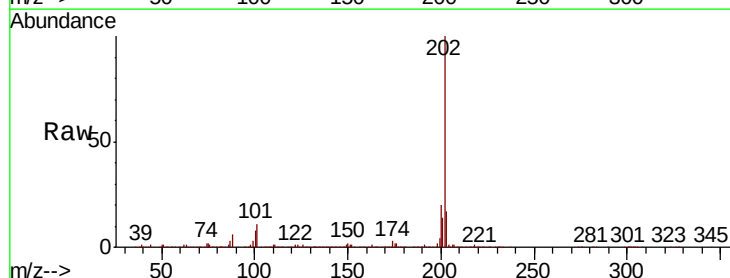
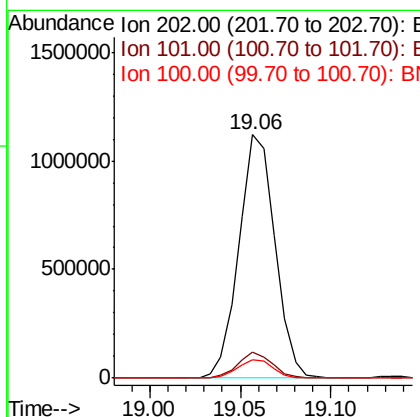
Manual Integrations
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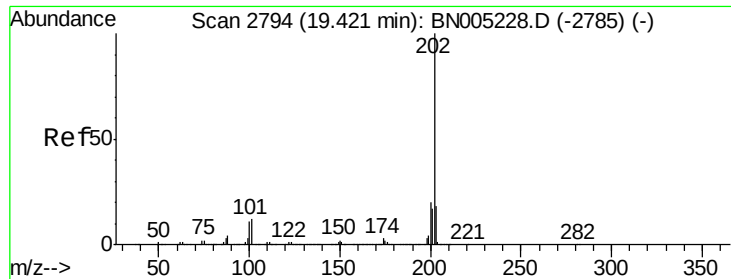
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#76
 Fluoranthene
 Concen: 13.574 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: BN005236.D
 Acq: 24 Apr 2019 04:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.6	12.8
100	7.7	6.3	9.5





#79

Pvrene

Concen: 18.921 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

ClientSampleId :

GAHH7DL

Tot Ion:202 Resp: 2180688

Ion Ratio Lower Upper

202 100

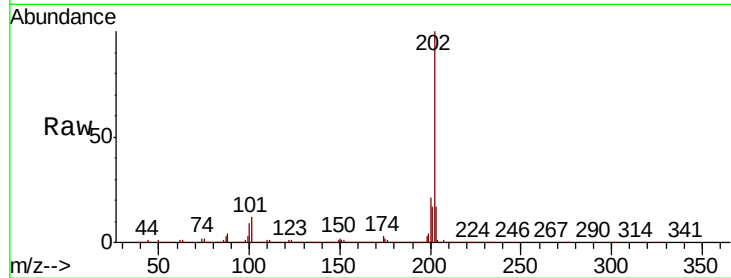
101 11.8 10.3 15.5

100 9.2 7.9 11.9

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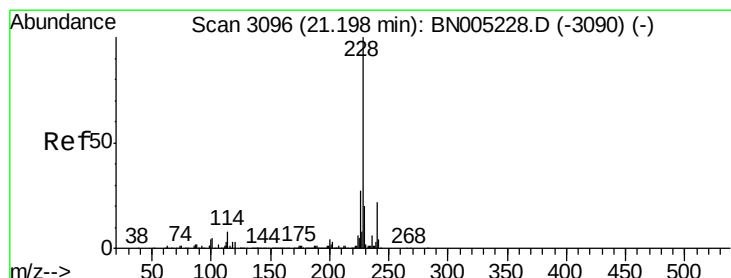
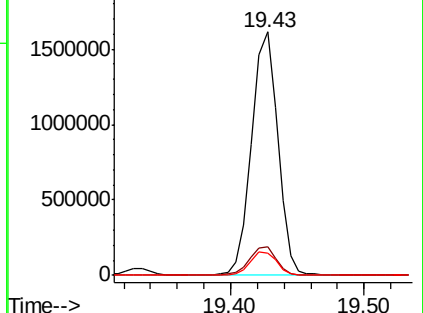
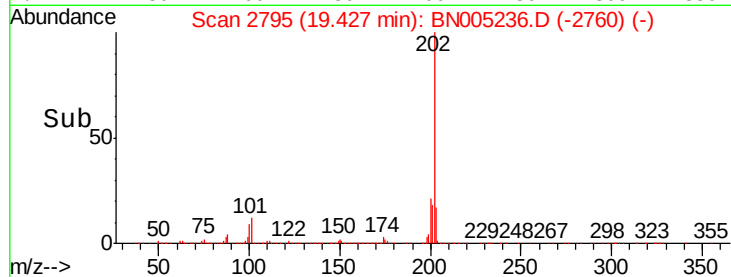
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 6.668 ng/ul m

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

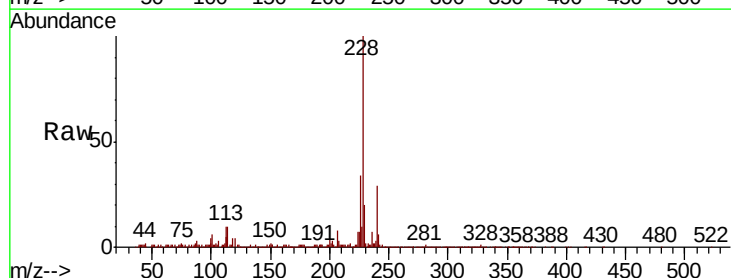
Tgt Ion:228 Resp: 742583

Ion Ratio Lower Upper

228 100

229 19.9 15.8 23.6

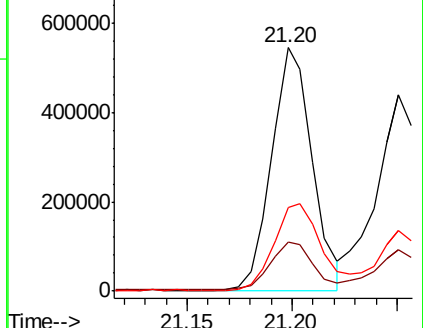
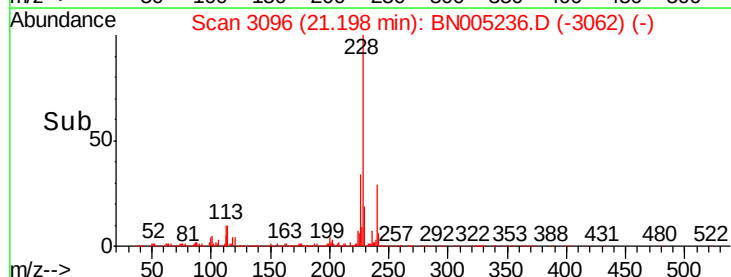
226 34.1 21.4 32.2#

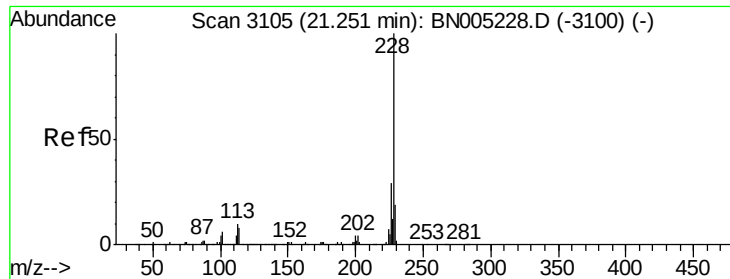


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 6.049 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

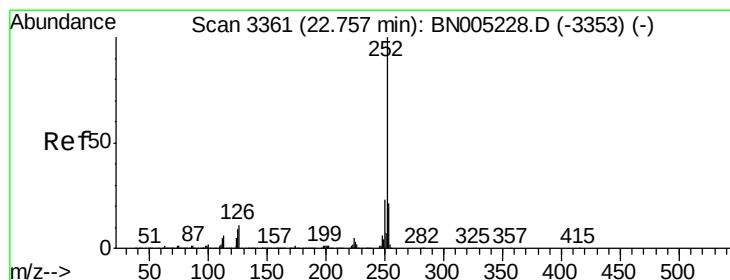
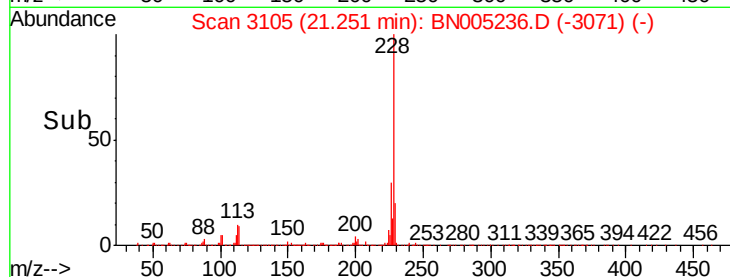
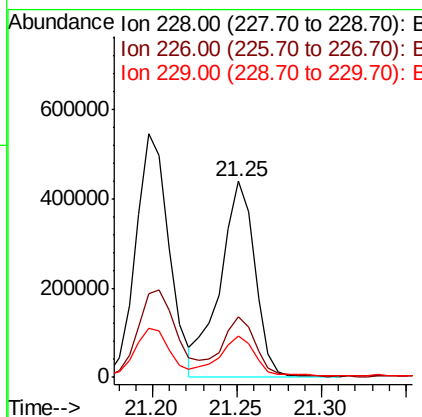
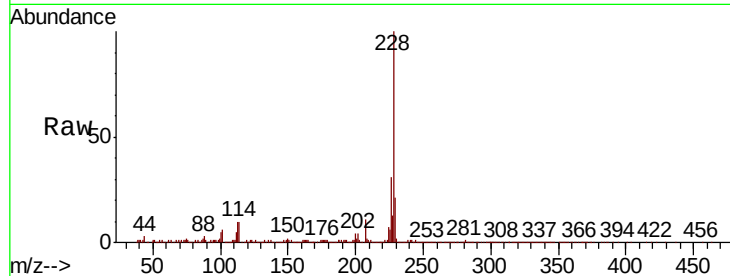
ClientSampled :

GAHH7DL

Tot Ion:	228	Resp:	625158
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	21.1	15.4	23.0

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#87

Benzo(b)fluoranthene

Concen: 4.246 ng/ul

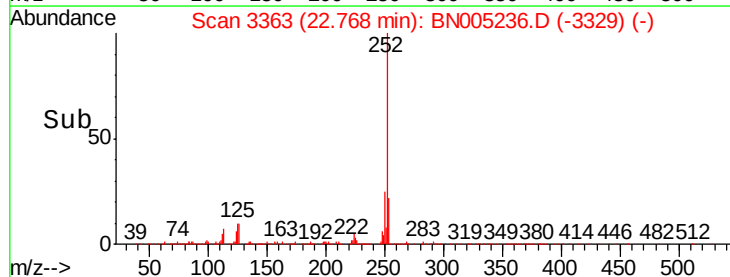
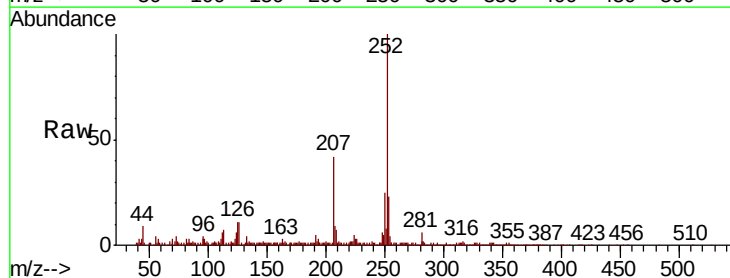
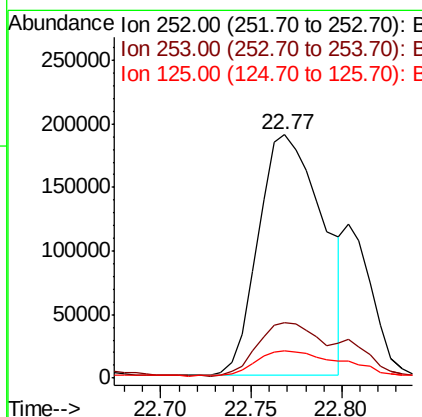
RT: 22.77 min Scan# 3363

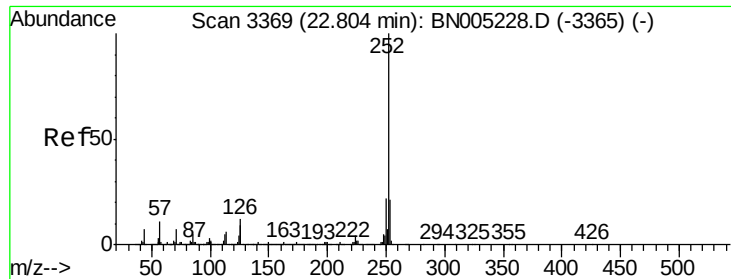
Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Tgt Ion:	252	Resp:	471537
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	11.4	8.4	12.6





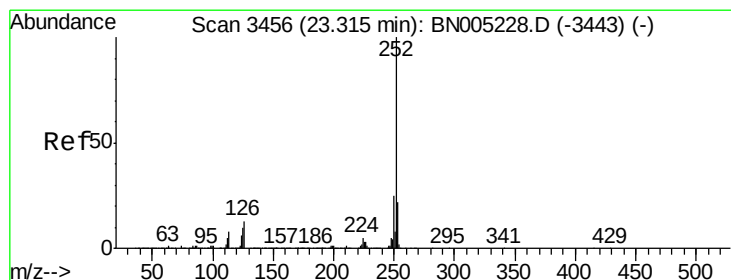
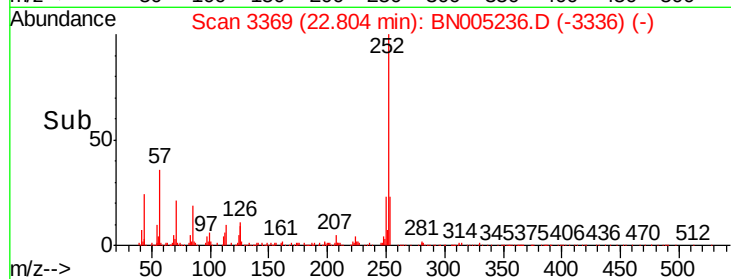
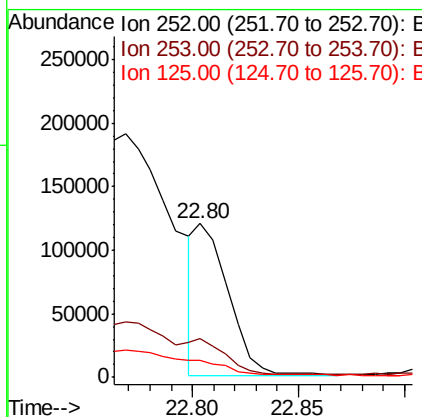
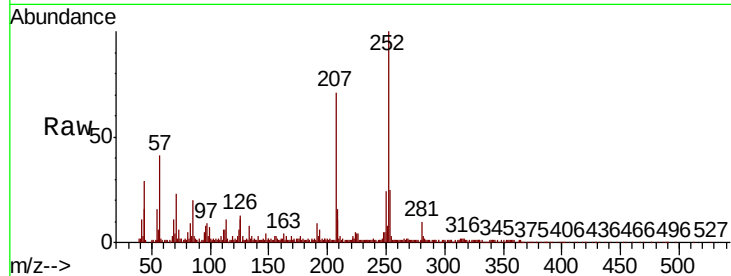
#88
Benzo(k)fluoranthene
Concen: 1.219 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BN005236.D
Acq: 24 Apr 2019 04:15

Instrument :
BNA_N
ClientSampled :
GAHH7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.0
125	11.5	7.5	11.3

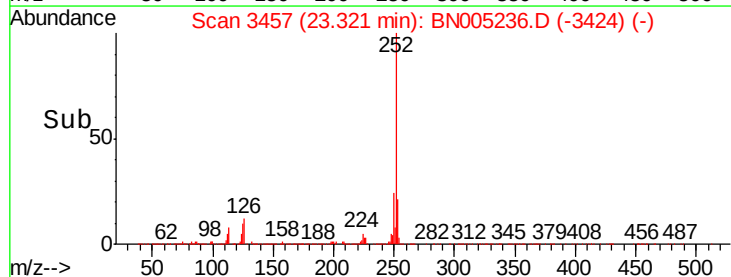
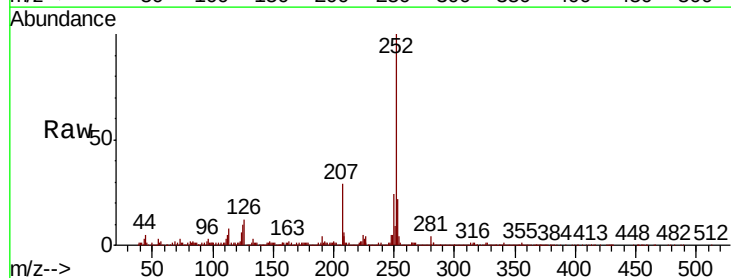
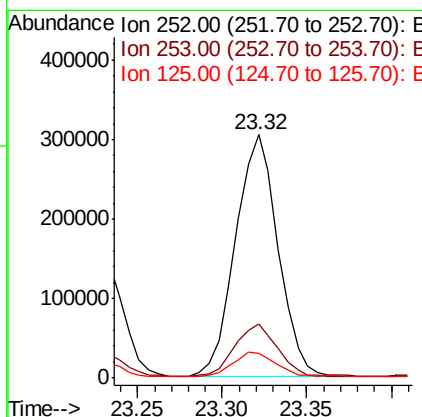
Manual Integrations
APPROVED

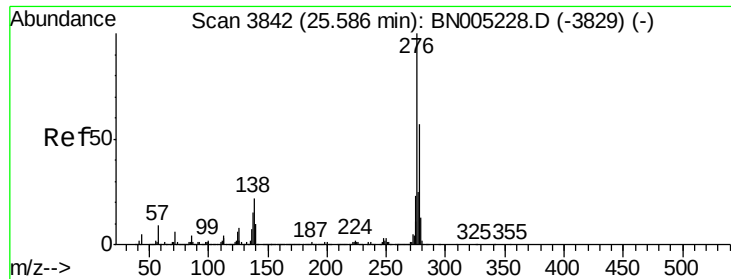
Sohil
4/24/2019 11:46:03 AM



#90
Benzo(a)pyrene
Concen: 5.088 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. -0.01 min
Lab File: BN005236.D
Acq: 24 Apr 2019 04:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	10.0	8.6	13.0





#91

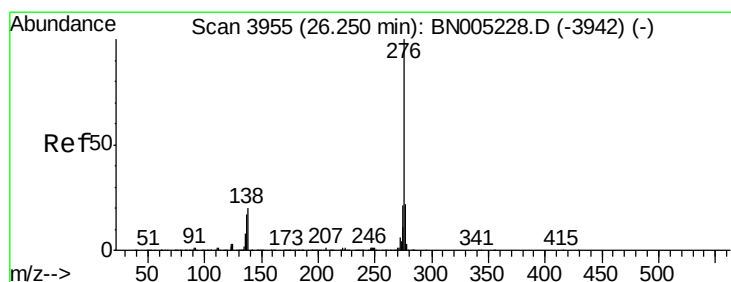
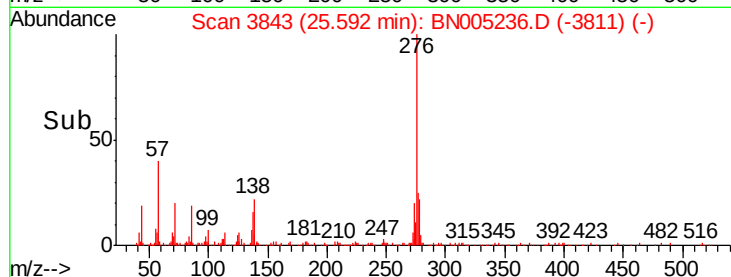
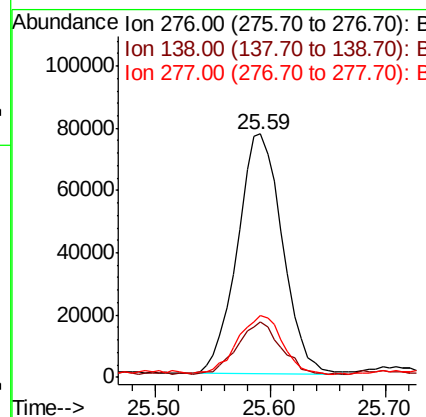
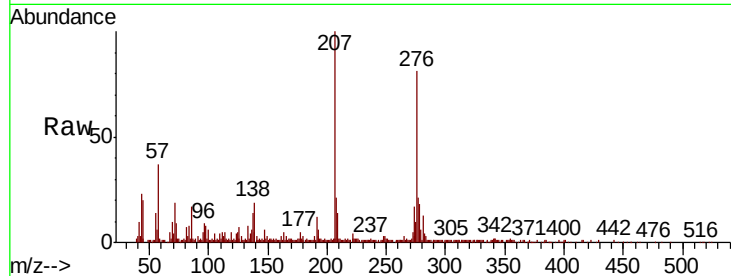
Indeno(1,2,3-cd)pyrene
Concen: 1.809 ng/ul
RT: 25.59 min Scan# 3843
Delta R.T. -0.01 min
Lab File: BN005236.D
Acq: 24 Apr 2019 04:15

Instrument :
BNA_N
ClientSampled :
GAHH7DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	17.9	26.9
277	25.6	19.7	29.5

Manual Integrations
APPROVED

Sohil
4/24/2019 11:46:03 AM



#93

Benzo(g,h,i)perylene
Concen: 1.835 ng/ul
RT: 26.25 min Scan# 3955
Delta R.T. -0.01 min
Lab File: BN005236.D
Acq: 24 Apr 2019 04:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.7	25.1
277	23.9	18.2	27.2

