

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
 Data File : BN005438.D
 Acq On : 03 May 2019 04:48
 Operator : JU/SJ
 Sample : K2603-08 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ60

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:57:35 PM

Quant Time: May 03 07:41:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	353332	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1551308	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	991154	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2237206	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1710967	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1658482	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2800	0.38	ng/uL	0.00
5) Phenol-d5	6.78	99	52109	1.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	32613	1.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	43106	2.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	44899	2.07	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	26936	2.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	23772	2.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	47712	2.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	86950m	3.80	ng/ul	-0.01
43) Dimethylphthalate-d6	13.65	166	191979	2.67	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	213115	2.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	15944m	1.40	ng/ul	0.02
57) Fluorene-d10	15.23	176	159828	2.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	4380	0.44	ng/ul	0.02
70) Anthracene-d10	17.09	188	246509	2.63	ng/ul	0.00
78) Pyrene-d10	19.39	212	264851	3.03	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	183858	2.54	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	32043662m	444.324	ng/ul
34) 2-Methylnaphthalene	12.04	142	13807225	261.473	ng/ul 99
40) 1,1'-Biphenyl	13.05	154	3139064	42.506	ng/ul 98
44) Dimethylphthalate	13.69	163	76450	1.066	ng/ul 97
47) Acenaphthylene	13.96	152	12523014	144.200	ng/ul 96
49) Acenaphthene	14.29	153	1354894	22.853	ng/ul 99
53) Dibenzofuran	14.63	168	1462938	17.138	ng/ul 100
58) Fluorene	15.29	166	7065659	106.077	ng/ul 98
69) Phenanthrene	17.03	178	21004746m	192.783	ng/ul
71) Anthracene	17.12	178	7569001	68.194	ng/ul 99
74) Carbazole	17.39	167	561659	5.891	ng/ul 98
76) Fluoranthene	19.07	202	13053100	108.009	ng/ul 98
79) Pyrene	19.43	202	15582526	141.449	ng/ul# 93
82) Benzo(a)anthracene	21.20	228	5906321m	55.490	ng/ul
84) Chrysene	21.25	228	4961307	50.223	ng/ul 98
87) Benzo(b)fluoranthene	22.77	252	3759489	40.326	ng/ul 98
88) Benzo(k)fluoranthene	22.80	252	997566m	11.204	ng/ul
90) Benzo(a)pyrene	23.33	252	3985191m	45.478	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.60	276	1617591	16.696	ng/ul 98
92) Dibenzo(a,h)anthracene	25.60	278	436267	5.306	ng/ul 96
93) Benzo(a,h,i)perylene	26.26	276	1642988	20.509	ng/ul 94

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Instrument :
BNA_N
ClientSampleId :
GAJ60

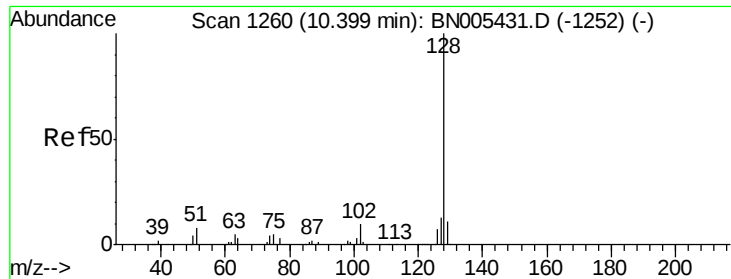
Manual Integrations
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Quant Time: May 03 07:41:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#28

Naphthalene

Concen: 444.324 ng/ul m

RT: 10.41 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BN005438.D

Acq: 03 May 2019 04:48

Instrument :

BNA_N

ClientSampleId :

GAJ60

Tot Ion:128 Resp:32043662

Ion Ratio Lower Upper

128 100

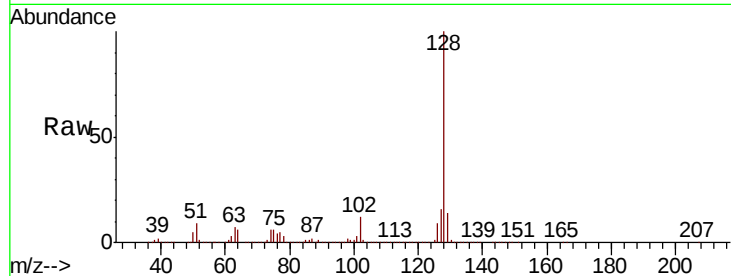
129 13.6 9.2 13.8

127 15.9 10.7 16.1

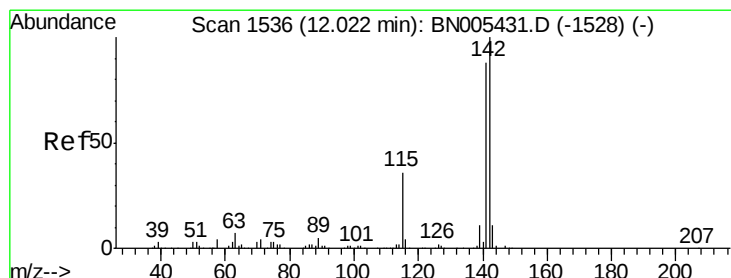
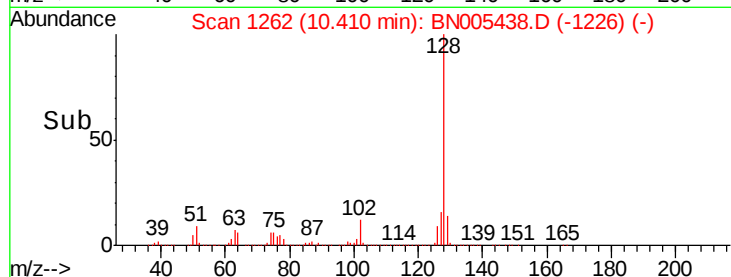
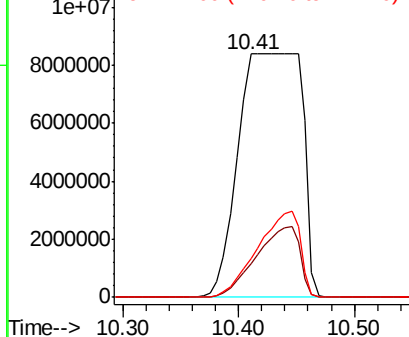
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 261.473 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. 0.02 min

Lab File: BN005438.D

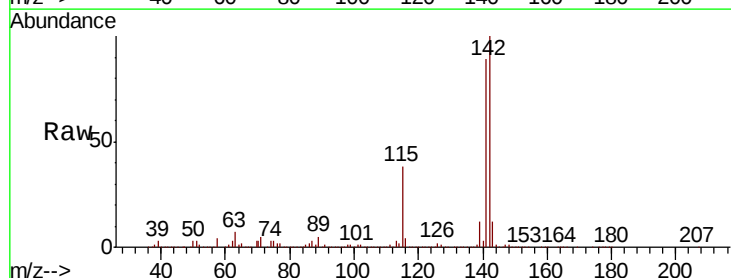
Acq: 03 May 2019 04:48

Tgt Ion:142 Resp:13807225

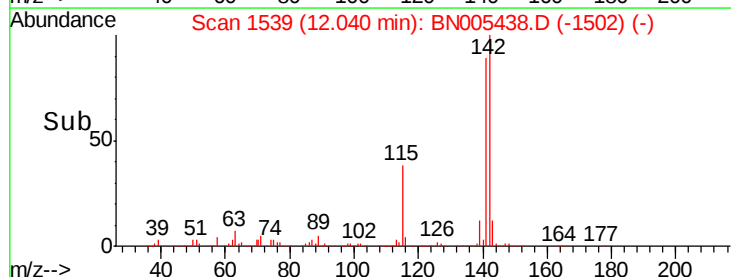
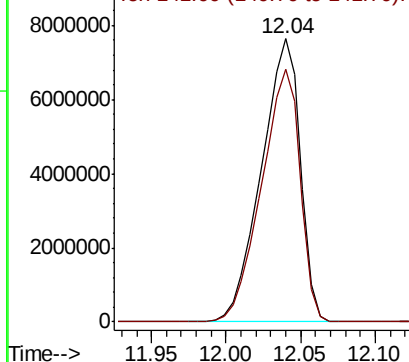
Ion Ratio Lower Upper

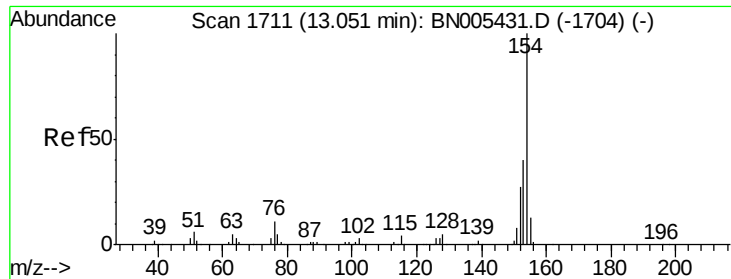
142 100

141 89.2 72.0 108.0



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





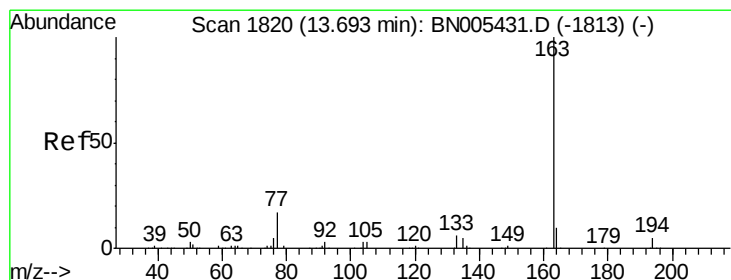
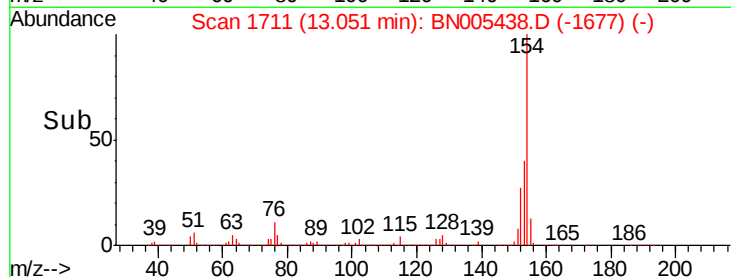
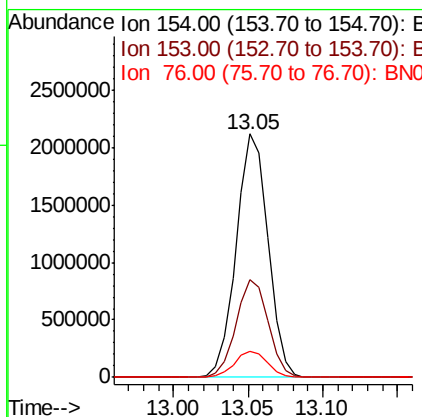
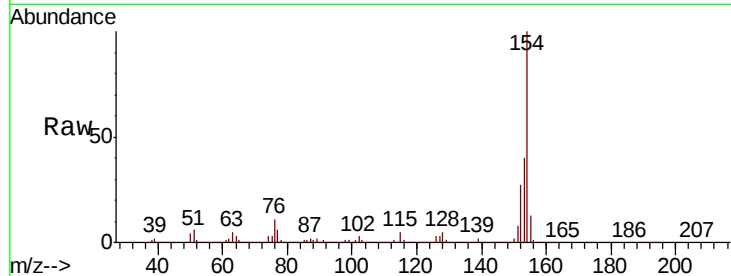
#40
1,1'-Biphenyl
Concen: 42.506 ng/ul
RT: 13.05 min Scan# 1711
Delta R.T. -0.00 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Instrument :
BNA_N
ClientSampled :
GAJ60

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	32.6	49.0
76	10.9	10.4	15.6

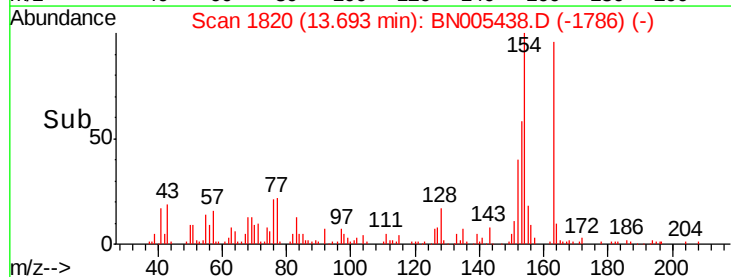
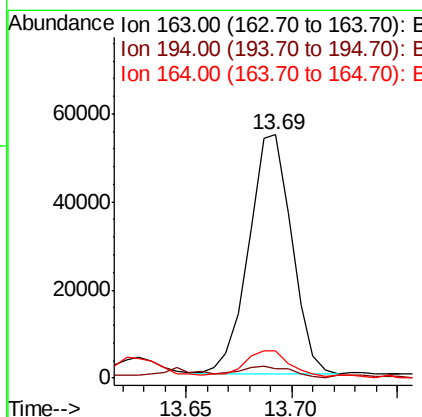
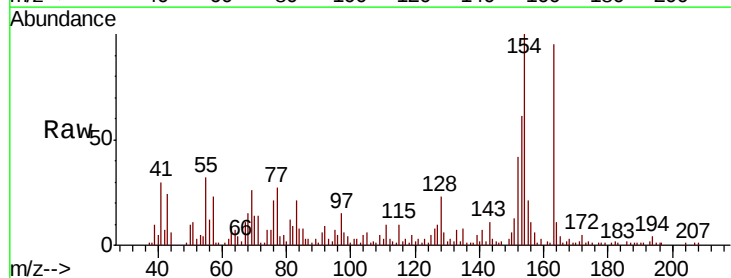
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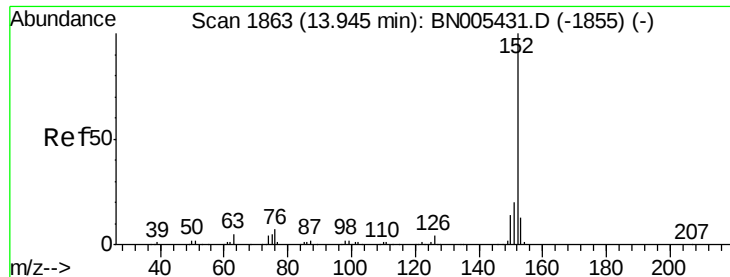
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#44
Dimethylphthalate
Concen: 1.066 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	11.3	8.1	12.1





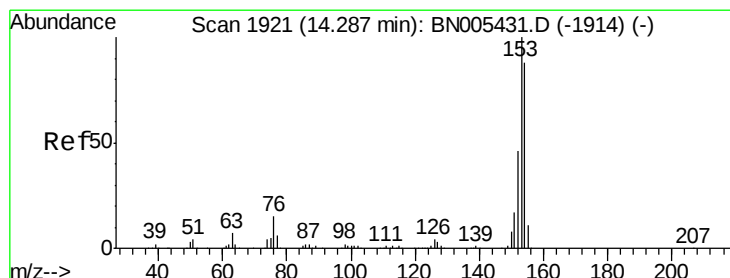
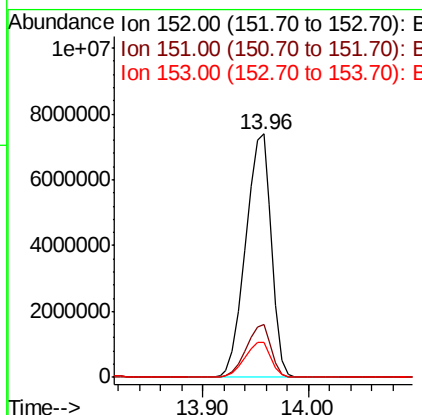
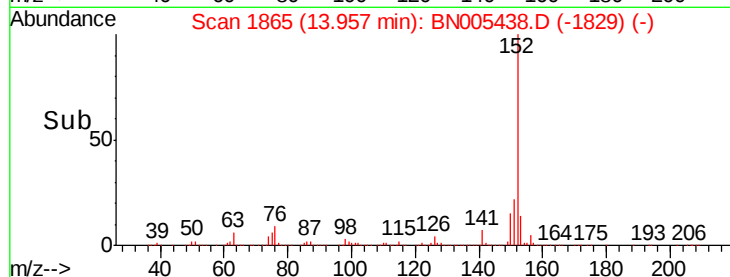
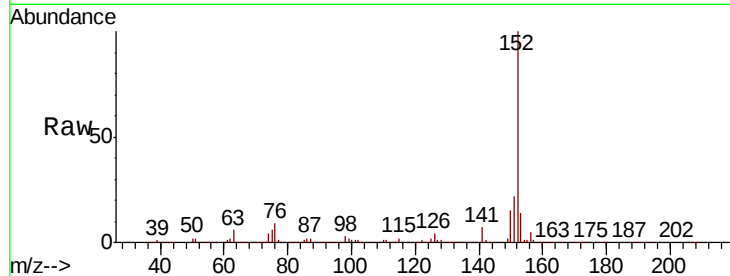
#47
Acenaphthylene
Concen: 144.200 ng/ul
RT: 13.96 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Instrument :
BNA_N
ClientSampled :
GAJ60

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.6	15.8	23.8
153	14.4	9.8	14.8

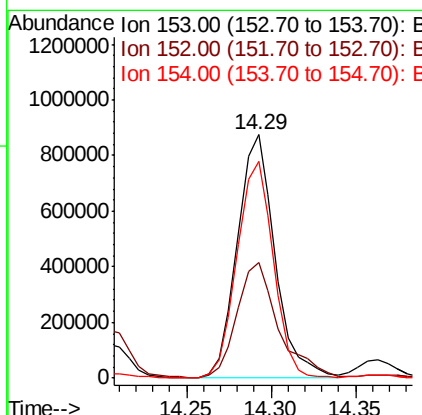
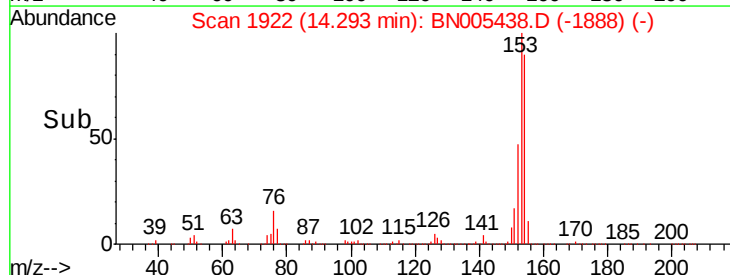
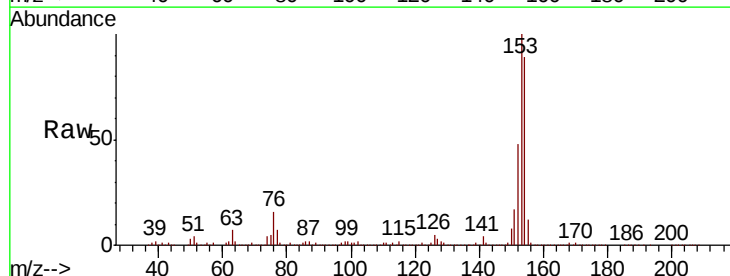
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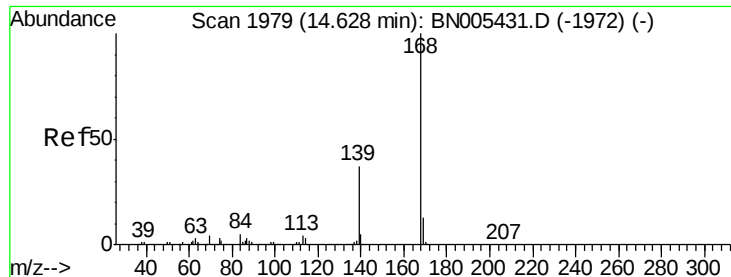
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#49
Acenaphthene
Concen: 22.853 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. -0.00 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.5	37.4	56.0
154	88.9	71.2	106.8





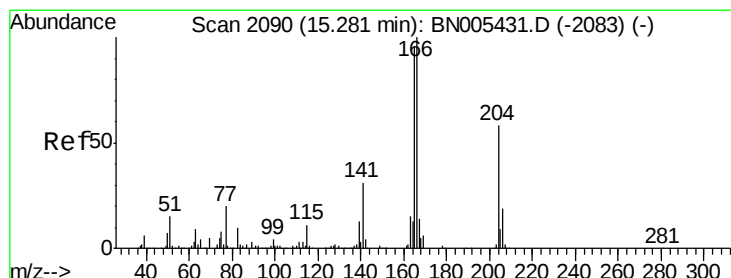
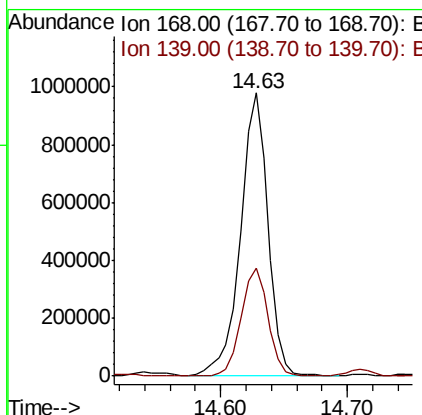
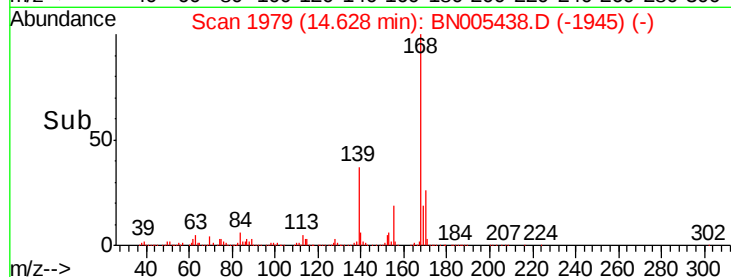
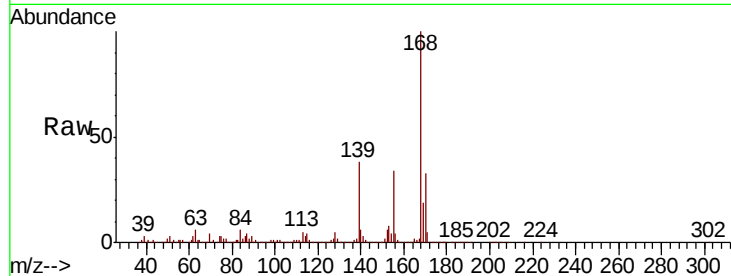
#53
Dibenzenofuran
Concen: 17.138 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Instrument :
BNA_N
ClientSampled :
GAJ60

Tot Ion:168 Resp: 1462938
Ion Ratio Lower Upper
168 100
139 38.4 30.9 46.3

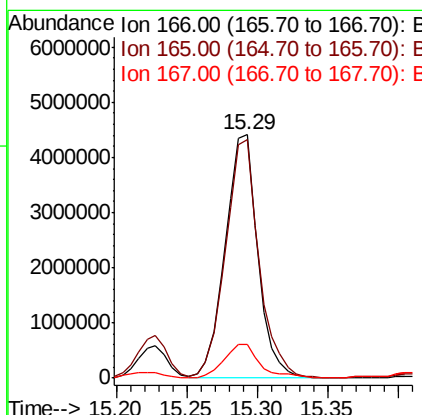
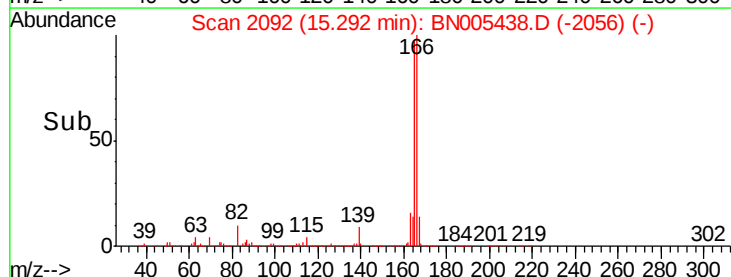
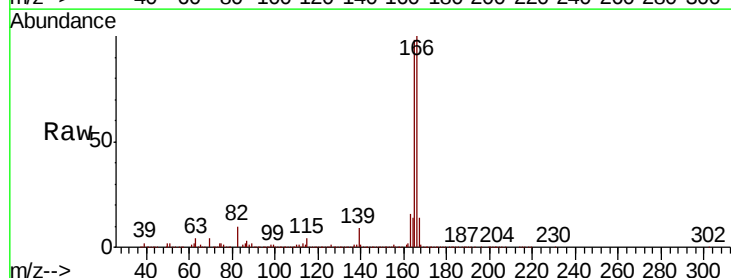
Manual Integrations
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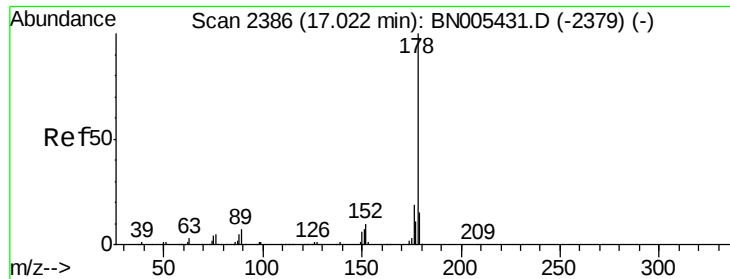
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#58
Fluorene
Concen: 106.077 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Tgt Ion:166 Resp: 7065659
Ion Ratio Lower Upper
166 100
165 97.8 80.0 120.0
167 14.0 10.7 16.1





#69

Phenanthrene

Concen: 192.783 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005438.D

Acq: 03 May 2019 04:48

Instrument :

BNA_N

ClientSampleId :

GAJ60

Tot Ion:178 Resp:21004746

Ion Ratio Lower Upper

178 100

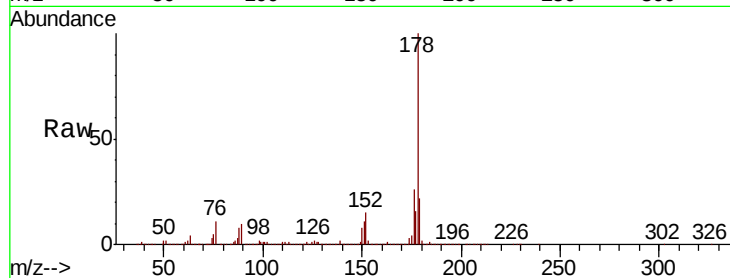
179 22.3 12.2 18.4#

176 26.2 15.1 22.7#

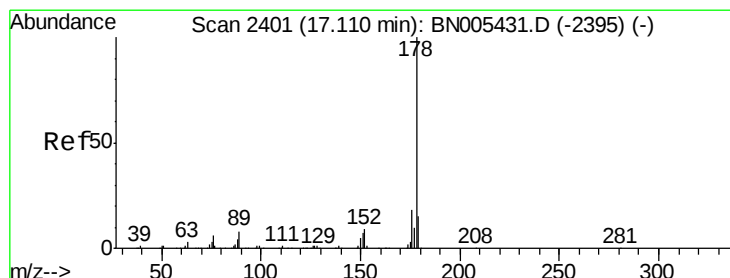
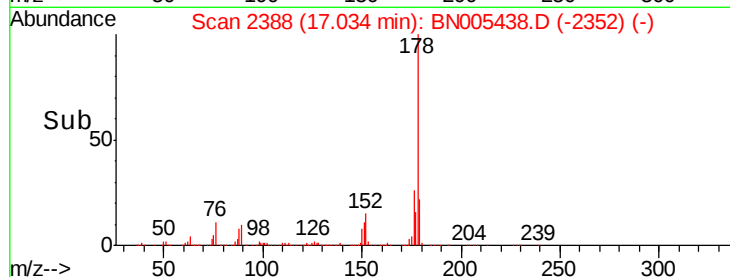
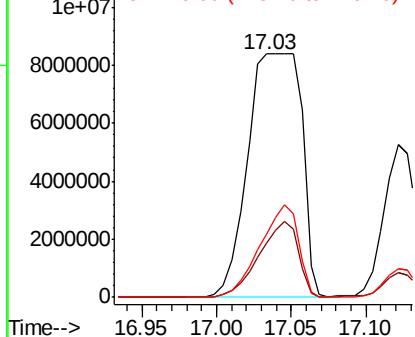
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 68.194 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005438.D

Acq: 03 May 2019 04:48

Tgt Ion:178 Resp: 7569001

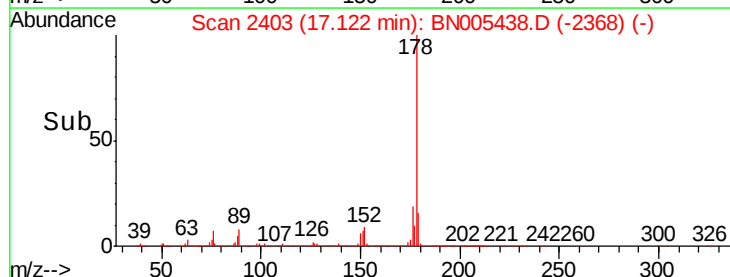
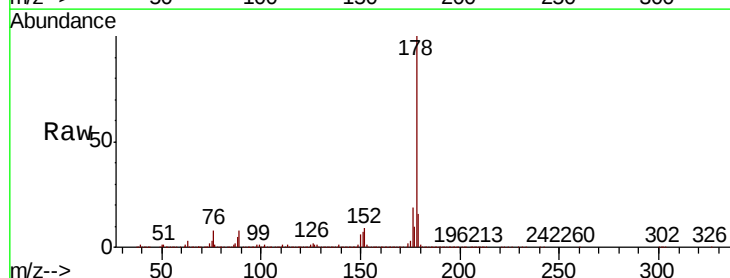
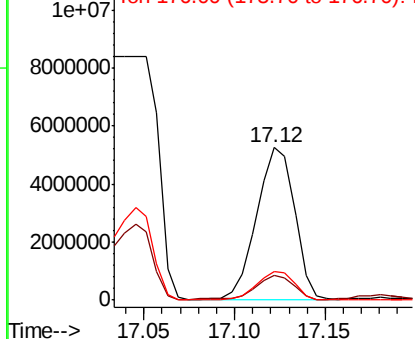
Ion Ratio Lower Upper

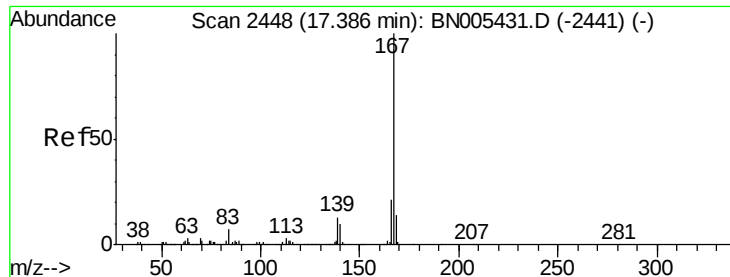
178 100

179 16.2 12.3 18.5

176 19.0 15.1 22.7

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





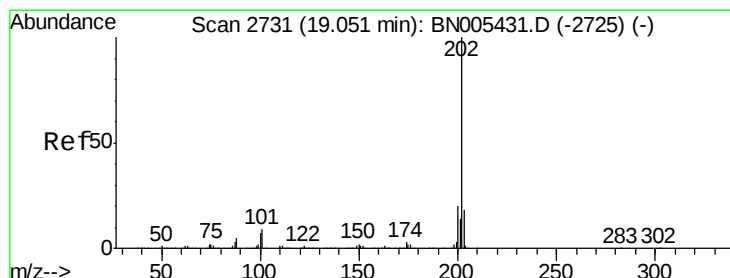
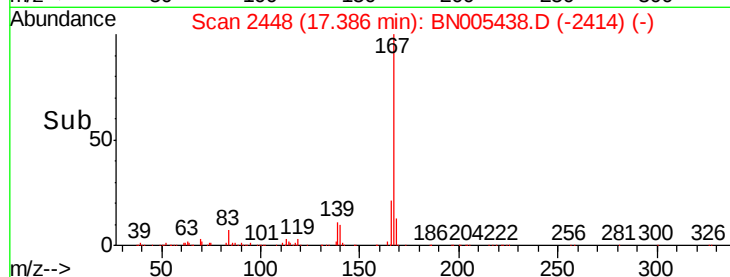
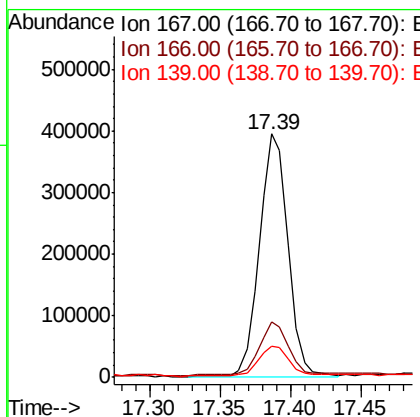
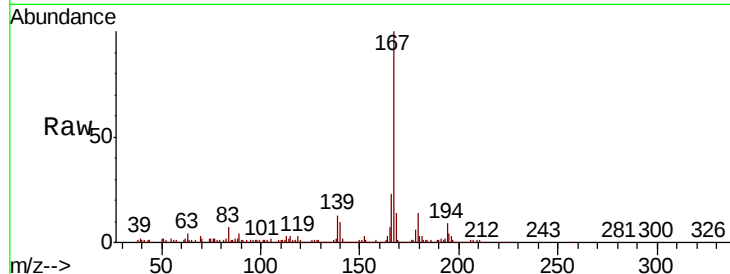
#74
 Carbazole
 Concen: 5.891 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.00 min
 Lab File: BN005438.D
 Acq: 03 May 2019 04:48

Instrument :
 BNA_N
 ClientSampleId :
 GAJ60

Tot Ion:	167	Resp:	561659
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.2	25.8
139	12.7	10.6	16.0

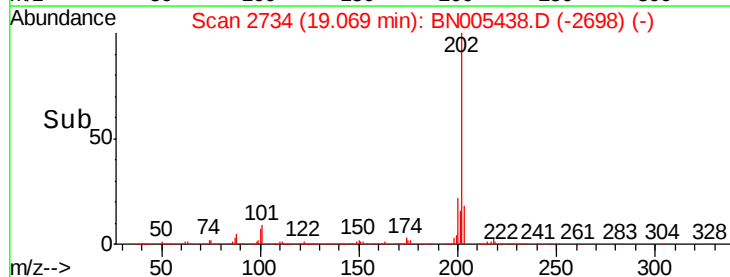
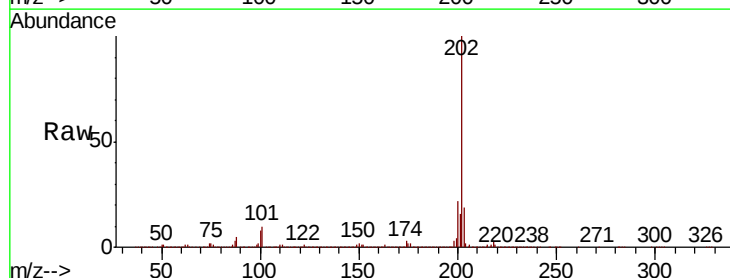
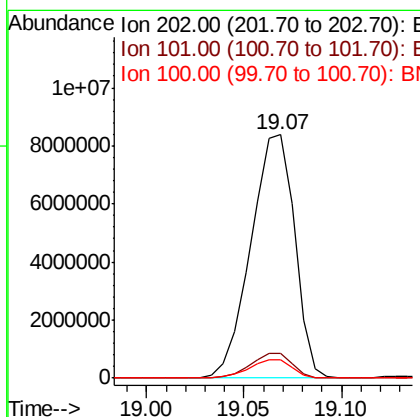
Manual Integrations
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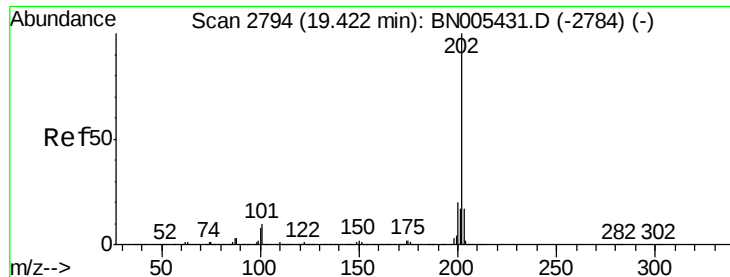
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#76
 Fluoranthene
 Concen: 108.009 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BN005438.D
 Acq: 03 May 2019 04:48

Tgt Ion:	202	Resp:	13053100
Ion Ratio	Lower	Upper	
202	100		
101	10.0	8.6	12.8
100	7.5	6.3	9.5





#79

Pvrene

Concen: 141.449 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005438.D

Acq: 03 May 2019 04:48

Instrument :

BNA_N

ClientSampleId :

GAJ60

Tot Ion:202 Resp:15582526

Ion Ratio Lower Upper

202 100

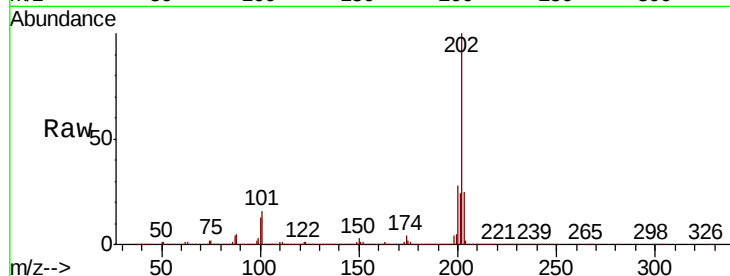
101 15.5 10.3 15.5#

100 12.6 7.9 11.9#

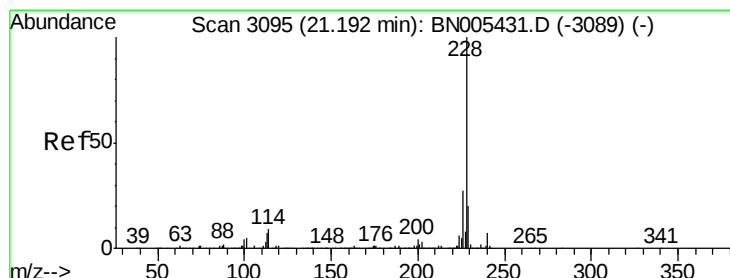
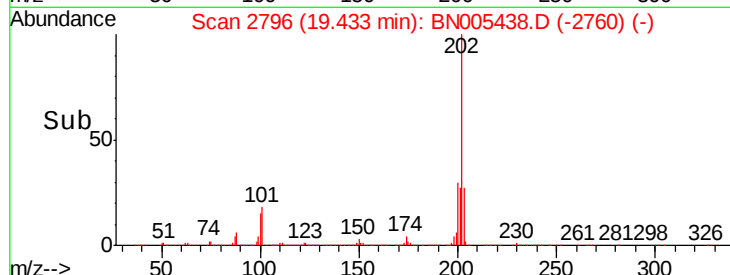
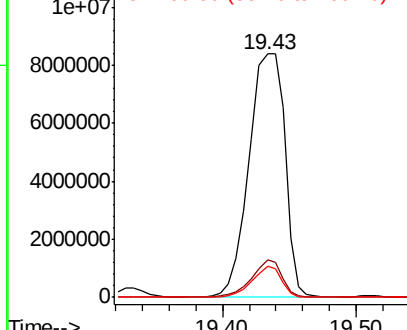
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 55.490 ng/ul m

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN005438.D

Acq: 03 May 2019 04:48

Tgt Ion:228 Resp: 5906321

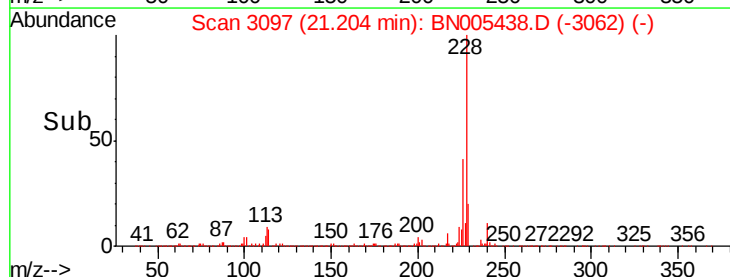
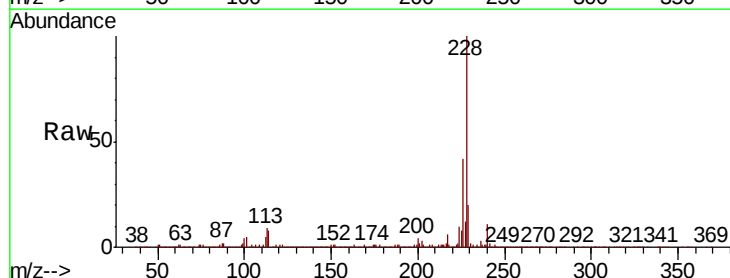
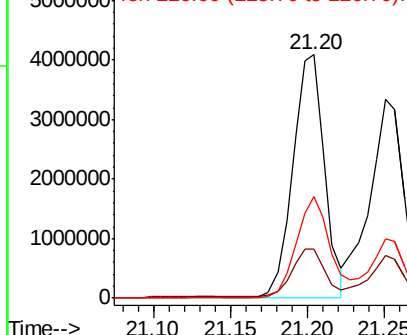
Ion Ratio Lower Upper

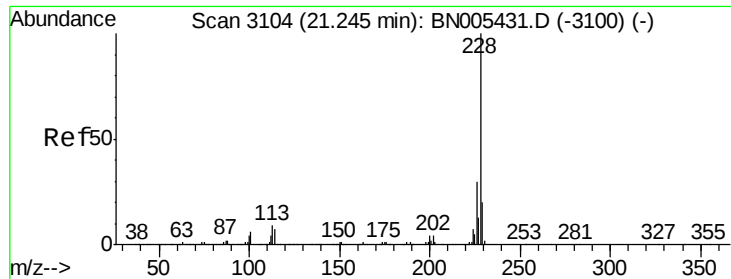
228 100

229 20.4 15.8 23.6

226 41.6 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: 50.223 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005438.D

Acq: 03 May 2019 04:48

Instrument :

BNA_N

ClientSampleId :

GAJ60

Tot Ion:228 Resp: 4961307

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	21.2	15.4	23.0

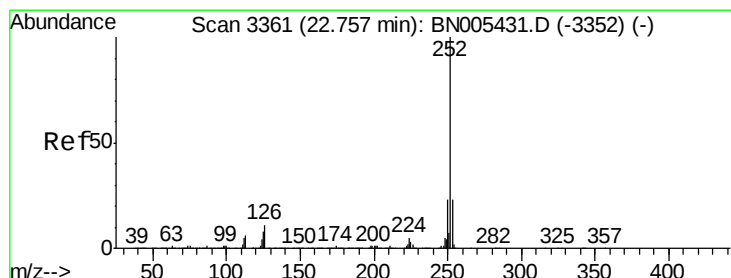
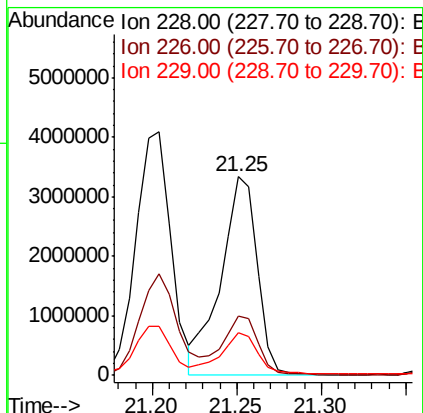
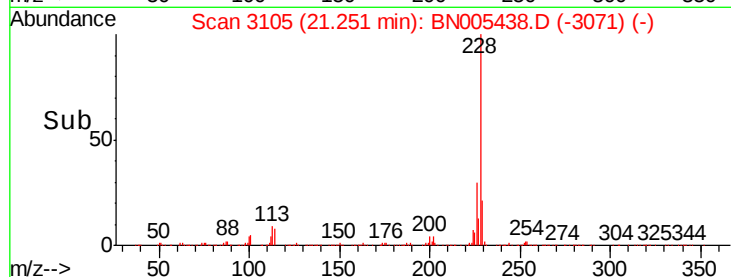
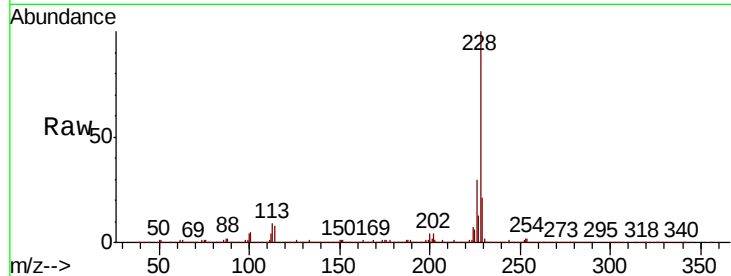
228 100

226 30.2 24.0 36.0

229 21.2 15.4 23.0

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#87

Benzo(b)fluoranthene

Concen: 40.326 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BN005438.D

Acq: 03 May 2019 04:48

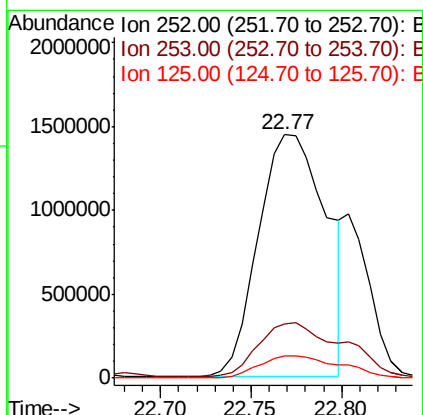
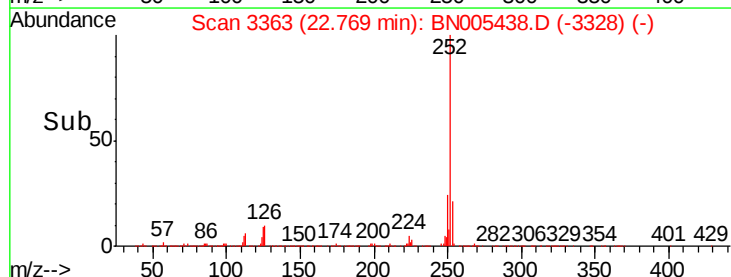
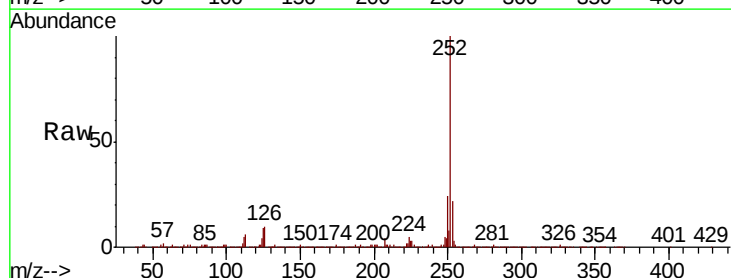
Tgt Ion:252 Resp: 3759489

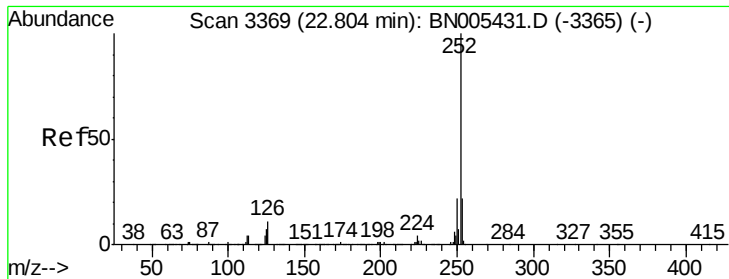
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	8.9	8.4	12.6

252 100

253 22.4 17.7 26.5

125 8.9 8.4 12.6





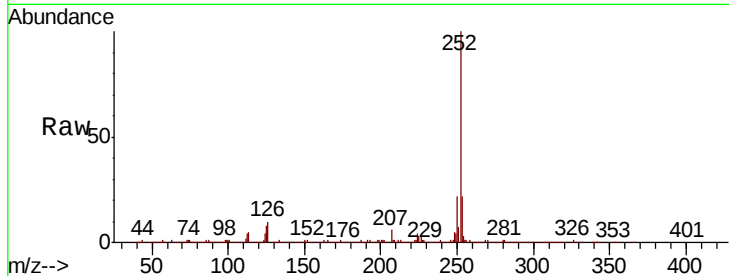
#88
Benzo(k)fluoranthene
Concen: 11.204 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. -0.00 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Instrument :
BNA_N
ClientSampled :
GAJ60

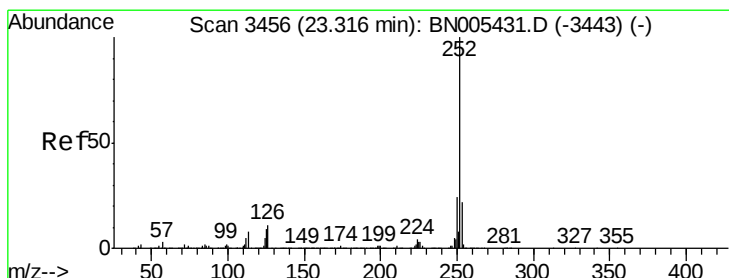
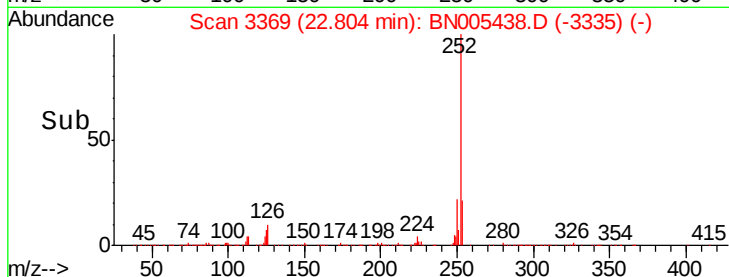
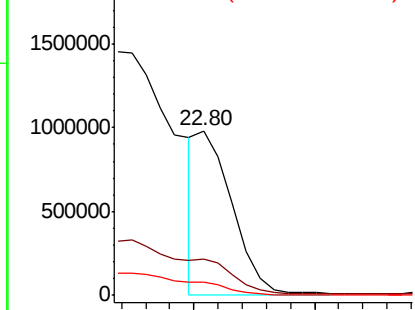
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	7.9	7.5	11.3

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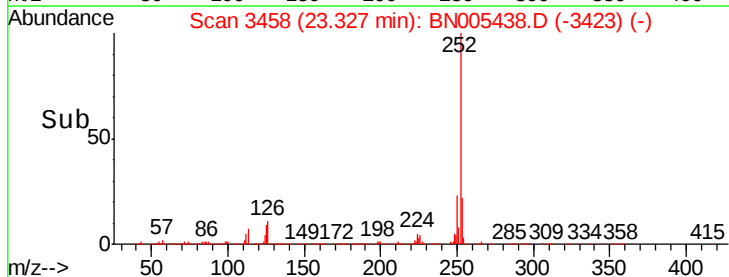
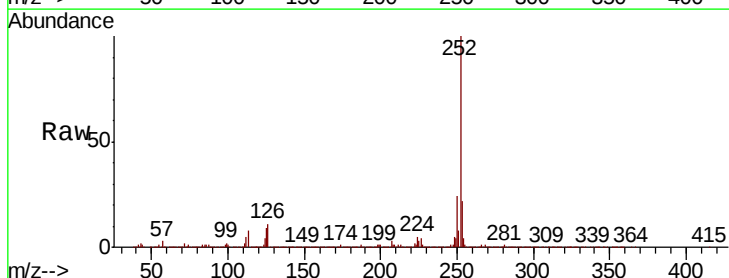
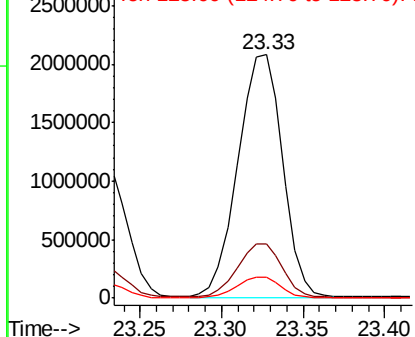
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

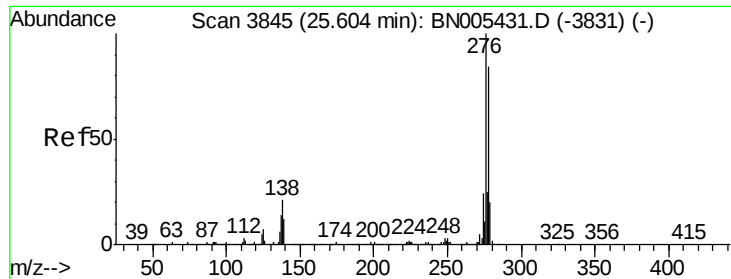


#90
Benzo(a)pyrene
Concen: 45.478 ng/ul m
RT: 23.33 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	8.6	8.6	13.0#

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





#91

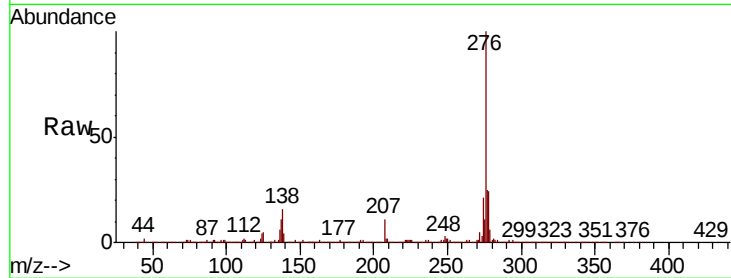
Indeno(1,2,3-cd)pyrene
Concen: 16.696 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.01 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

Instrument :
BNA_N
ClientSampleId :
GAJ60

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	17.9	26.9
277	24.7	19.7	29.5

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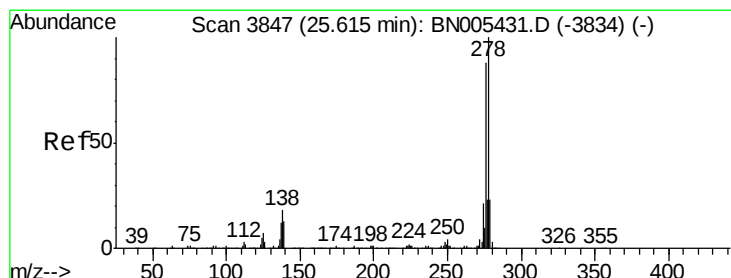
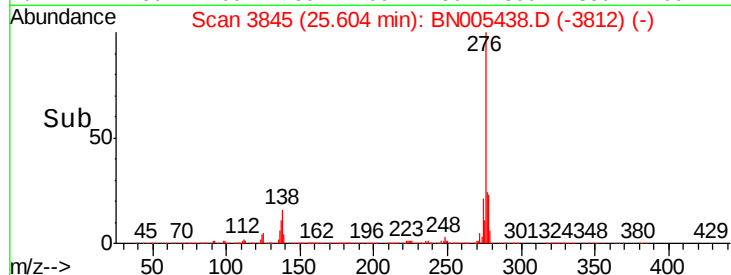
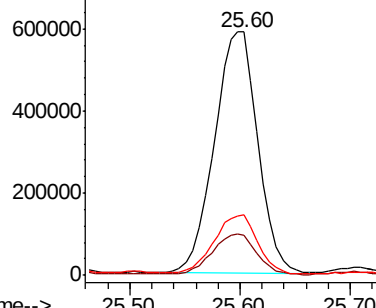


Abundance

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



#92

Dibenzo(a,h)anthracene
Concen: 5.306 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.02 min
Lab File: BN005438.D
Acq: 03 May 2019 04:48

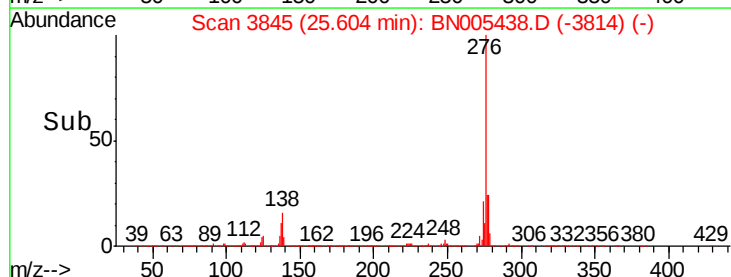
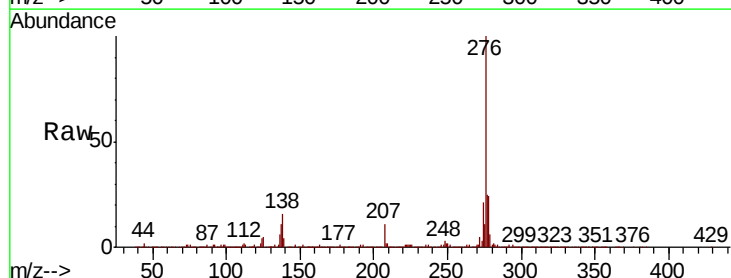
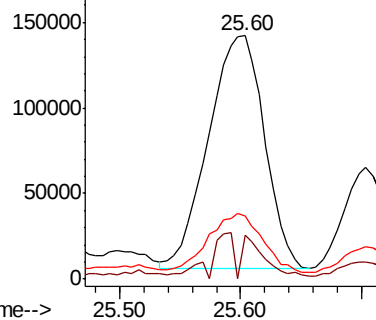
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.2	13.1	19.7
279	26.1	19.4	29.0

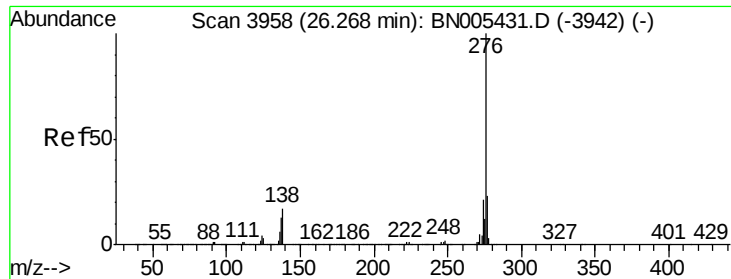
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 20.509 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BN005438.D

Acq: 03 May 2019 04:48

Instrument :

BNA_N

ClientSampleId :

GAJ60

Tot Ion: 276 Resp: 1642988

Ion Ratio Lower Upper

276 100

138 16.8 16.7 25.1

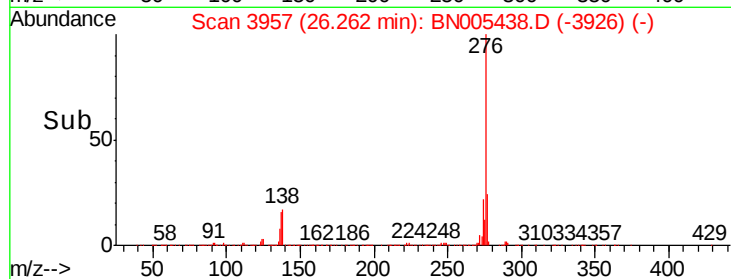
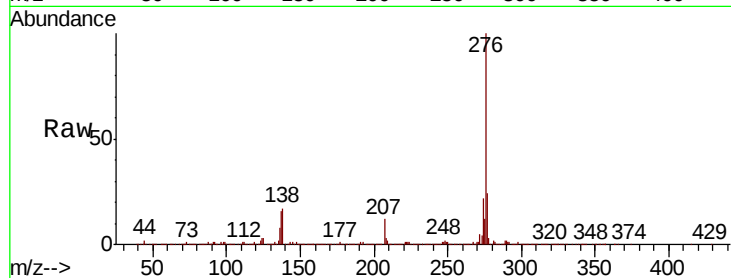
277 24.3 18.2 27.2

Manual Integrations

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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

