

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005579.D
 Acq On : 09 May 2019 22:53
 Operator : JU/SJ
 Sample : K2604-20 20X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ91

Manual Integrations
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 5/10/2019 1:19:42 PM

Quant Time: May 10 02:55:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	163898	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	688629	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.23	164	461819	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	866839	20.00	ng/ul	0.01
77) Chrysene-d12	21.22	240	583394	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	646837	20.00	ng/ul	0.00

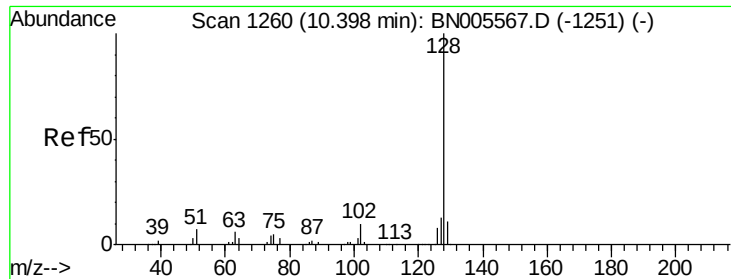
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	694m	0.20	ng/uL	0.00
5) Phenol-d5	6.78	99	16456	1.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	12188	1.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	13980	1.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	14233	1.41	ng/ul	0.01
19) Nitrobenzene-d5	8.76	128	14973m	3.53	ng/ul	0.02
22) 2-Nitrophenol-d4	9.45	143	7274	1.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	15146	1.54	ng/ul	0.02
29) 4-Chloroaniline-d4	10.54	131	47125	4.64	ng/ul	0.05
43) Dimethylphthalate-d6	13.65	166	75292	2.25	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	63879	1.55	ng/ul	0.02
51) 4-Nitrophenol-d4	14.44	143	4313	0.81	ng/ul	0.00
57) Fluorene-d10	15.23	176	47016m	1.67	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.40	200	2879m	0.74	ng/ul	0.04
70) Anthracene-d10	17.10	188	67310	1.85	ng/ul	0.02
78) Pyrene-d10	19.40	212	65977	2.21	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.29	264	50277	1.78	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.42	128	35582560m	1111.495	ng/ul	
34) 2-Methylnaphthalene	12.05	142	24002997m	1023.998	ng/ul	
40) 1,1'-Biphenyl	13.06	154	4091021	118.891	ng/ul	98
47) Acenaphthylene	13.96	152	18850600	465.854	ng/ul#	86
49) Acenaphthene	14.30	153	1682165	60.893	ng/ul	99
53) Dibenzofuran	14.63	168	1863268	46.847	ng/ul	99
58) Fluorene	15.30	166	10517717	338.891	ng/ul	97
69) Phenanthrene	17.04	178	25395038m	601.544	ng/ul	
71) Anthracene	17.13	178	9913518	230.516	ng/ul	98
74) Carbazole	17.39	167	135855	3.677	ng/ul#	81
76) Fluoranthene	19.07	202	13185950	281.594	ng/ul	100
79) Pyrene	19.44	202	16500259	439.270	ng/ul	97
82) Benzo(a)anthracene	21.20	228	6247823m	172.149	ng/ul	
84) Chrysene	21.26	228	5108634	151.666	ng/ul	98
87) Benzo(b)fluoranthene	22.78	252	4058478	111.618	ng/ul#	97
88) Benzo(k)fluoranthene	22.81	252	973030m	28.020	ng/ul	
90) Benzo(a)pyrene	23.33	252	4541321m	132.876	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.62	276	1769454	46.828	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.62	278	527410	16.447	ng/ul	98
93) Benzo(g,h,i)perylene	26.29	276	1880424	60.185	ng/ul#	93

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



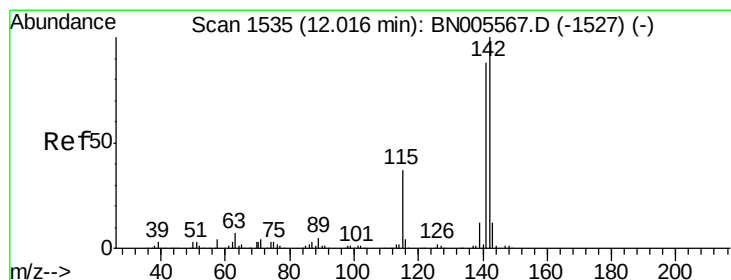
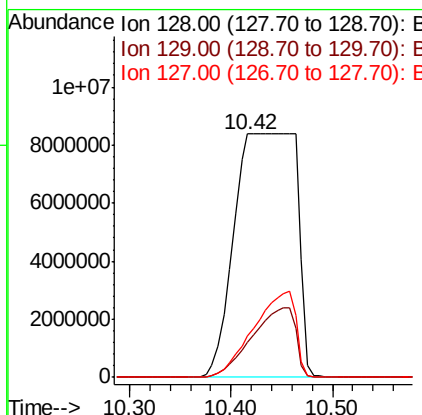
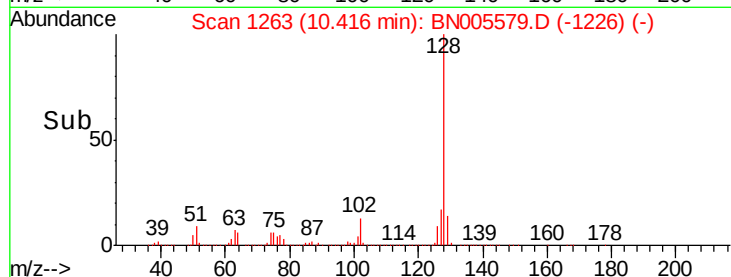
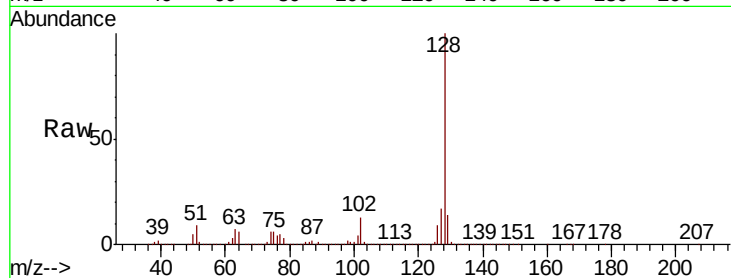
#28
Naphthalene
Concen: 1111.495 ng/ul m
RT: 10.42 min Scan# 1263
Delta R.T. 0.02 min
Lab File: BN005579.D
Acq: 09 May 2019 22:53

Instrument :
BNA_N
ClientSampled :
GAJ91

Tot Ion:128 Resp:35582560
Ion Ratio Lower Upper
128 100
129 14.4 9.2 13.8#
127 17.0 10.7 16.1#

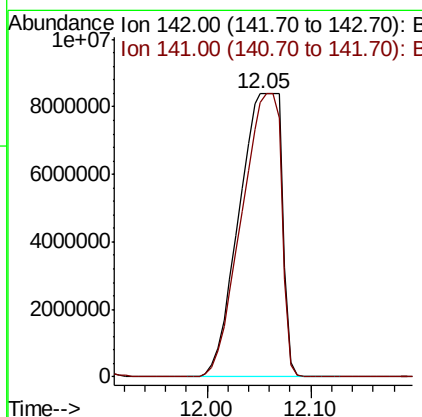
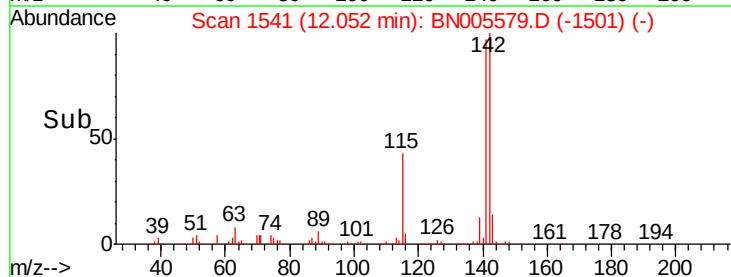
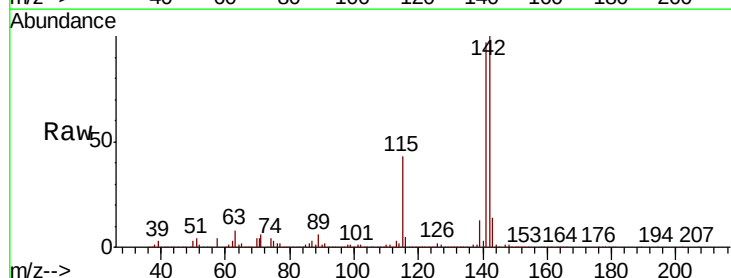
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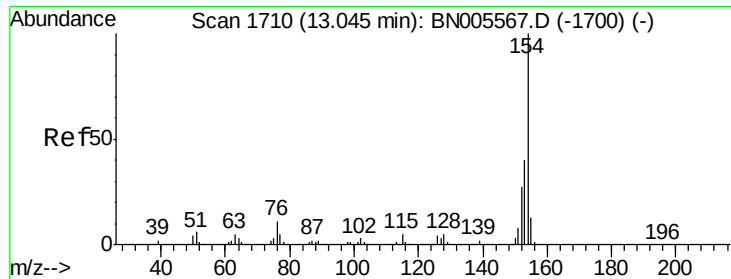
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#34
2-Methylnaphthalene
Concen: 1023.998 ng/ul m
RT: 12.05 min Scan# 1541
Delta R.T. 0.04 min
Lab File: BN005579.D
Acq: 09 May 2019 22:53

Tgt Ion:142 Resp:24002997
Ion Ratio Lower Upper
142 100
141 97.0 72.0 108.0





#40

1,1'-Biphenyl

Concen: 118.891 ng/ul

RT: 13.06 min Scan# 1712

Delta R.T. 0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

Instrument :

BNA_N

ClientSampled :

GAJ91

Tot Ion:154 Resp: 4091021

Ion Ratio Lower Upper

154 100

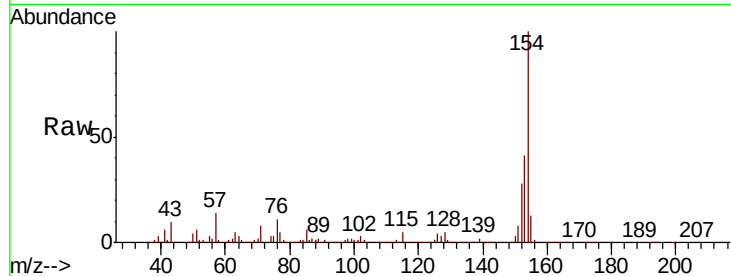
153 40.7 32.6 49.0

76 10.6 10.4 15.6

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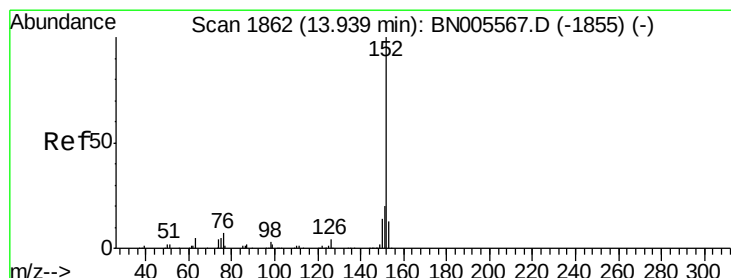
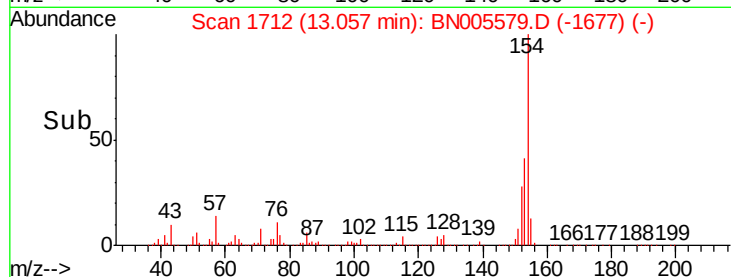
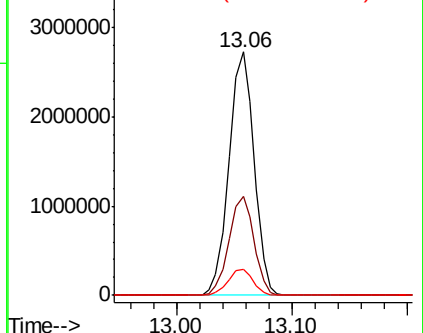
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#47

Acenaphthylene

Concen: 465.854 ng/ul

RT: 13.96 min Scan# 1866

Delta R.T. 0.02 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

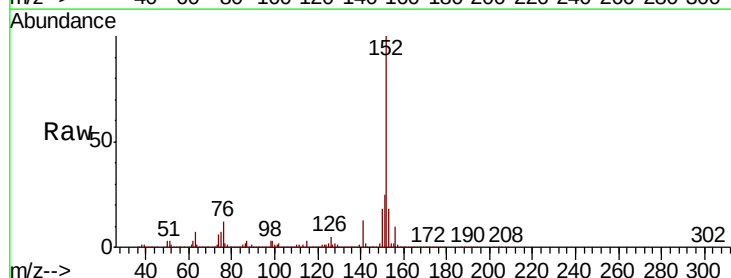
Tgt Ion:152 Resp:18850600

Ion Ratio Lower Upper

152 100

151 25.5 15.8 23.8#

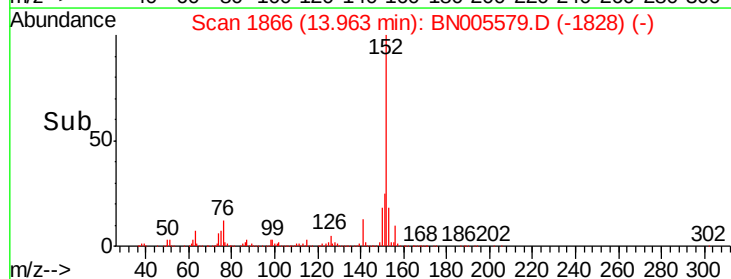
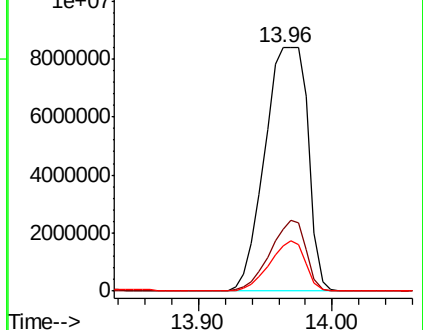
153 18.5 9.8 14.8#

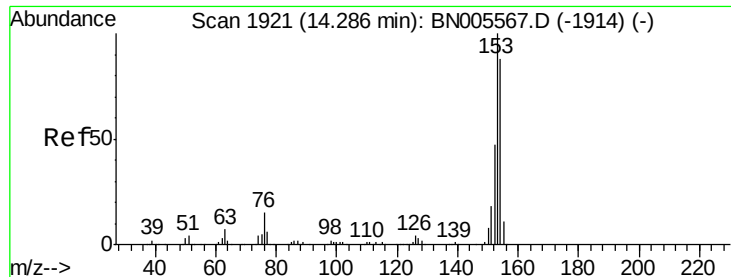


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 60.893 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

Instrument :

BNA_N

ClientSampled :

GAJ91

Tot Ion:153 Resp: 1682165

Ion Ratio Lower Upper

153 100

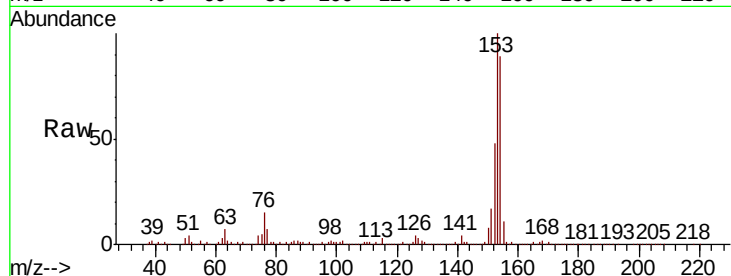
152 47.8 37.4 56.0

154 89.5 71.2 106.8

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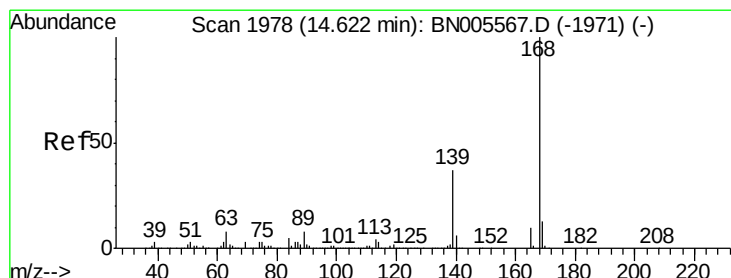
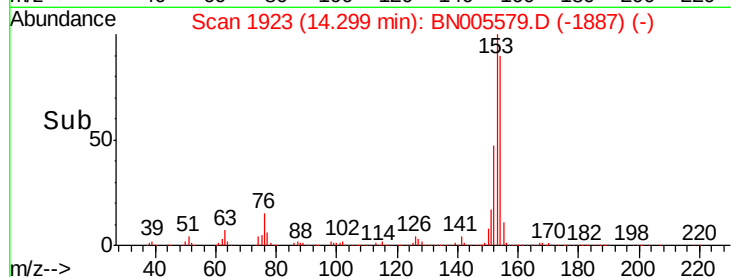
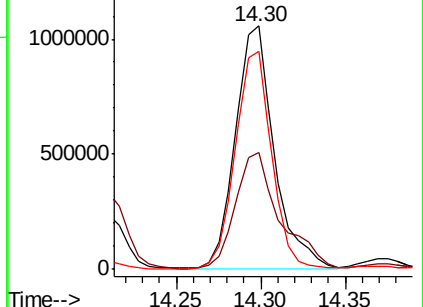
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 46.847 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

Tgt Ion:168 Resp: 1863268

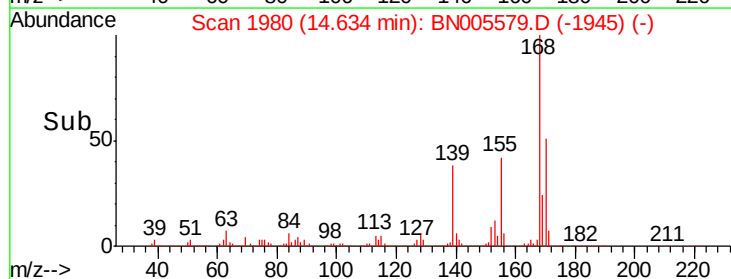
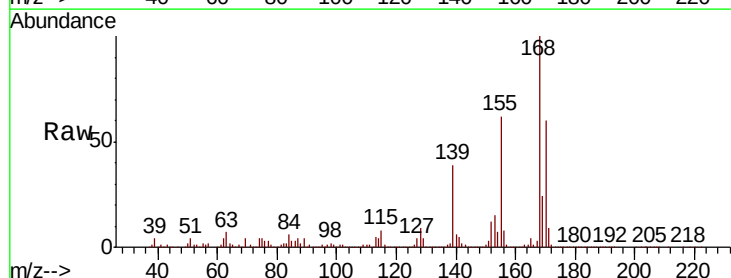
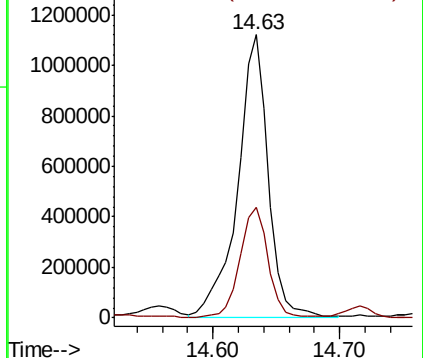
Ion Ratio Lower Upper

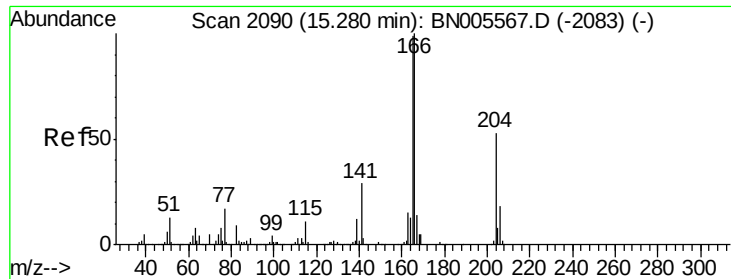
168 100

139 39.0 30.9 46.3

Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





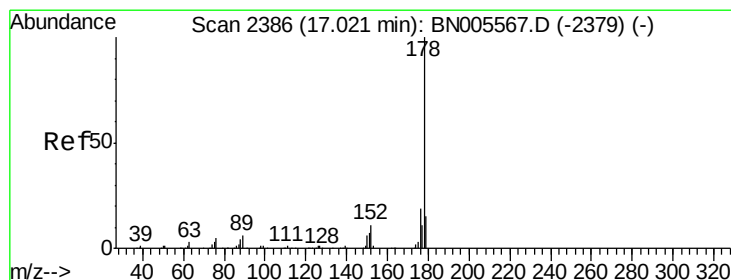
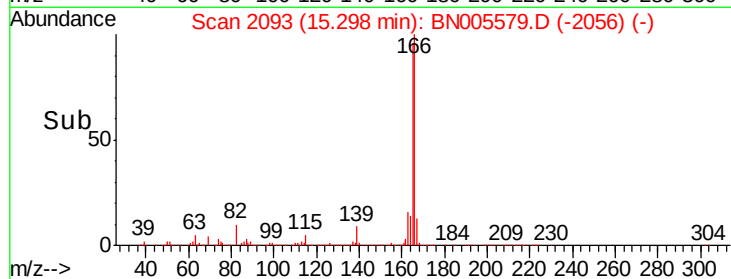
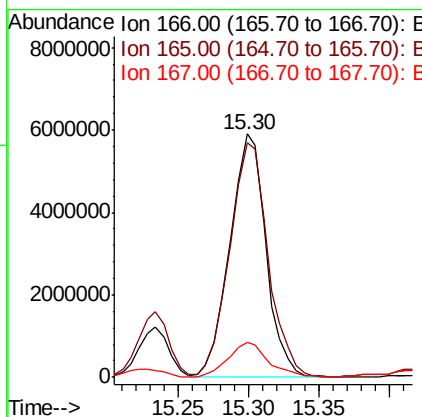
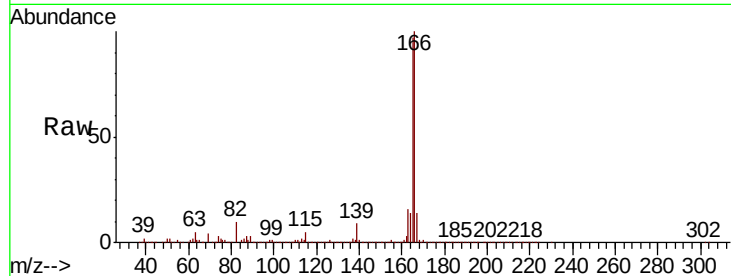
#58
 Fluorene
 Concen: 338.891 ng/ul
 RT: 15.30 min Scan# 2093
 Delta R.T. 0.02 min
 Lab File: BN005579.D
 Acq: 09 May 2019 22:53

Instrument :
 BNA_N
 ClientSampleId :
 GAJ91

Tot Ion:166 Resp:10517717
 Ion Ratio Lower Upper
 166 100
 165 96.6 80.0 120.0
 167 14.1 10.7 16.1

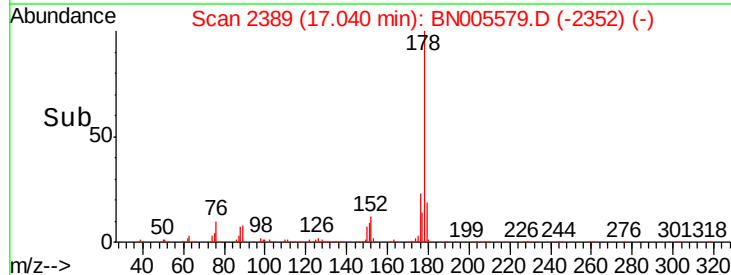
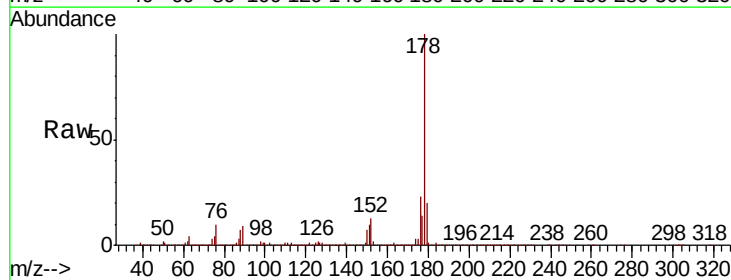
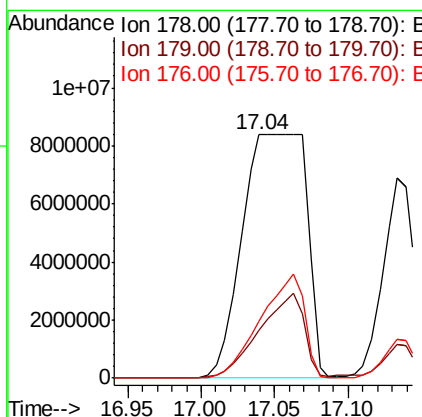
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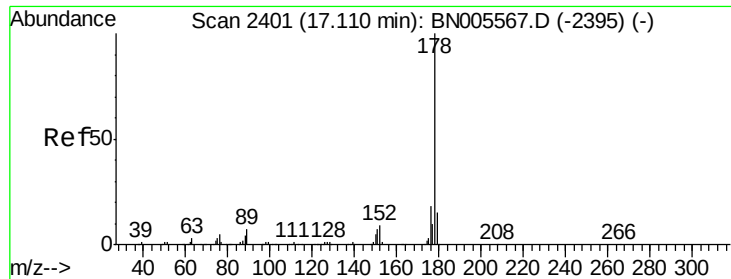
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#69
 Phenanthrene
 Concen: 601.544 ng/ul m
 RT: 17.04 min Scan# 2389
 Delta R.T. 0.02 min
 Lab File: BN005579.D
 Acq: 09 May 2019 22:53

Tgt Ion:178 Resp:25395038
 Ion Ratio Lower Upper
 178 100
 179 19.5 12.2 18.4#
 176 23.1 15.1 22.7#





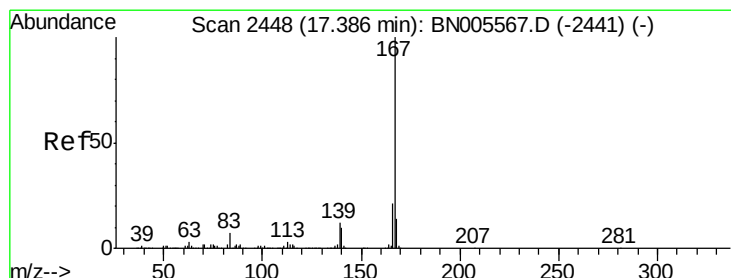
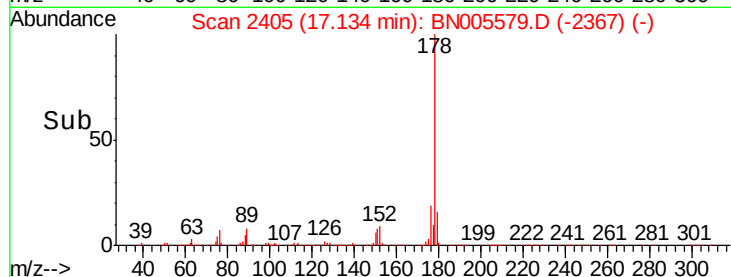
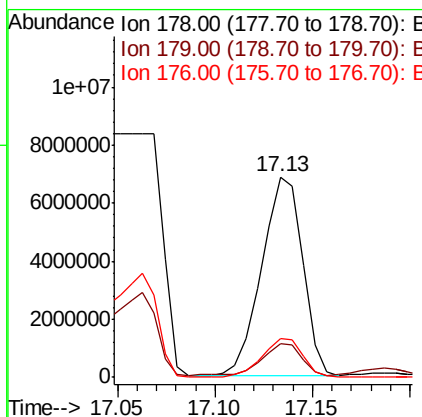
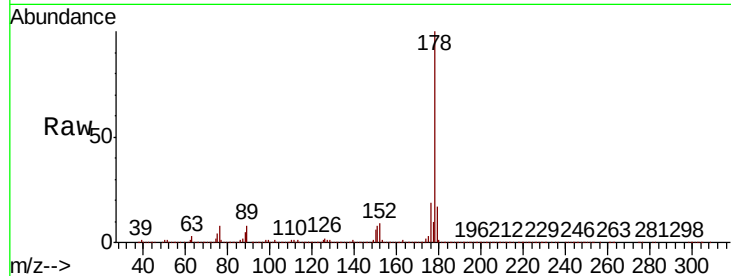
#71
 Anthracene
 Concen: 230.516 ng/ul
 RT: 17.13 min Scan# 2405
 Delta R.T. 0.02 min
 Lab File: BN005579.D
 Acq: 09 May 2019 22:53

Instrument :
 BNA_N
 ClientSampled :
 GAJ91

Tot Ion:178 Resp: 9913518
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.3 18.5
 176 19.3 15.1 22.7

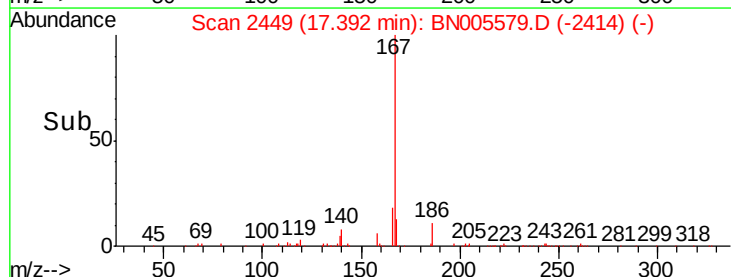
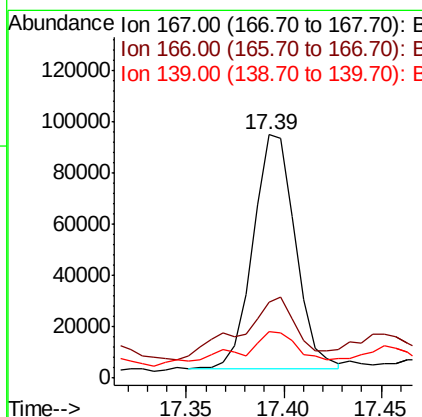
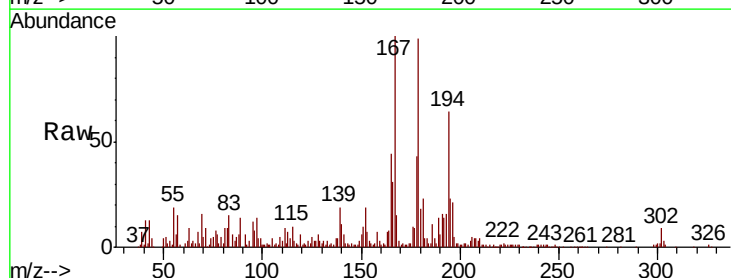
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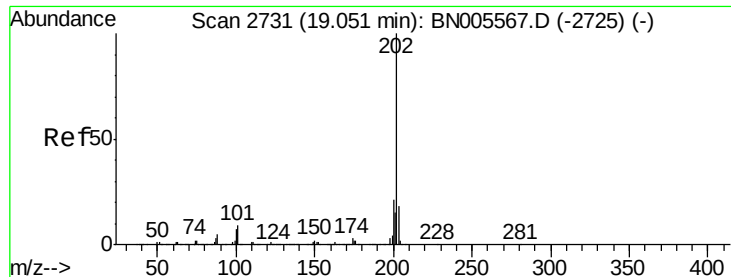
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#74
 Carbazole
 Concen: 3.677 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.01 min
 Lab File: BN005579.D
 Acq: 09 May 2019 22:53

Tgt Ion:167 Resp: 135855
 Ion Ratio Lower Upper
 167 100
 166 31.4 17.2 25.8#
 139 19.1 10.6 16.0#





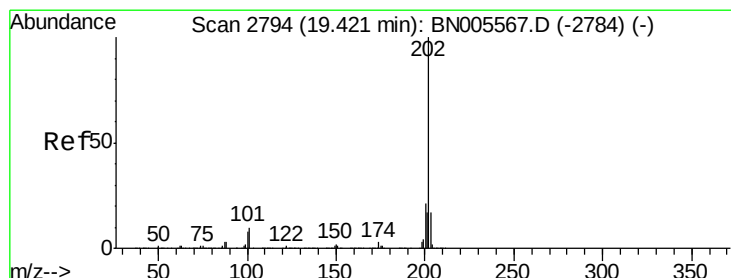
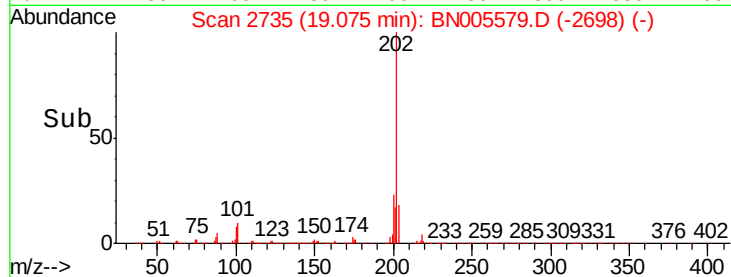
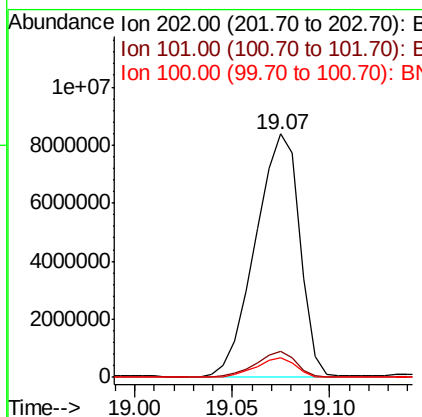
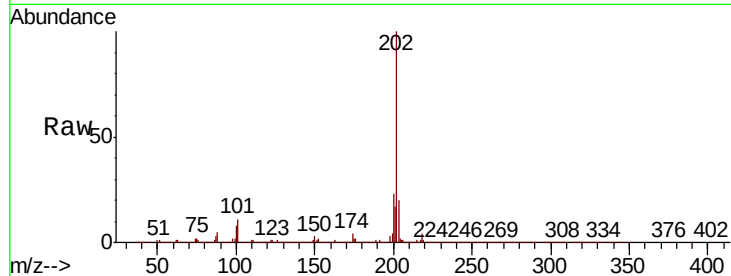
#76
 Fluoranthene
 Concen: 281.594 ng/ul
 RT: 19.07 min Scan# 2735
 Delta R.T. 0.02 min
 Lab File: BN005579.D
 Acq: 09 May 2019 22:53

Instrument :
 BNA_N
 ClientSampled :
 GAJ91

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.6	12.8
100	8.1	6.3	9.5

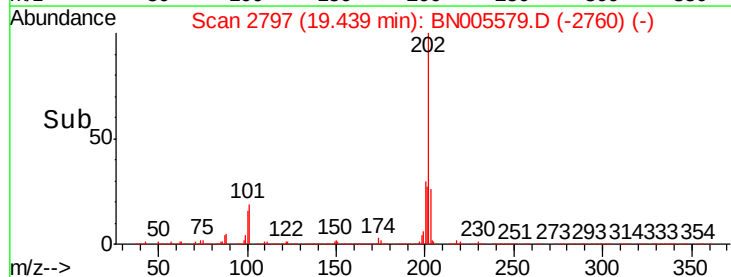
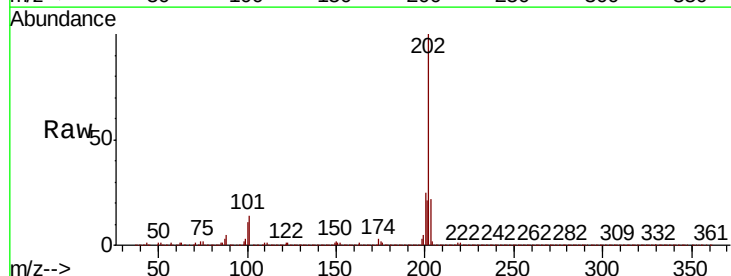
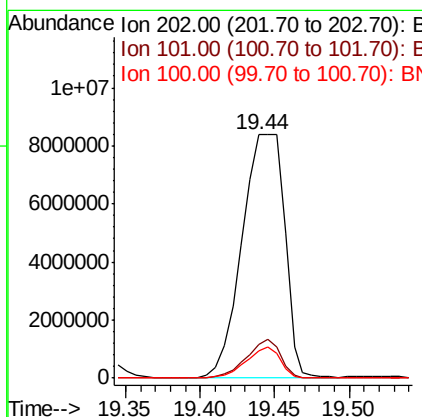
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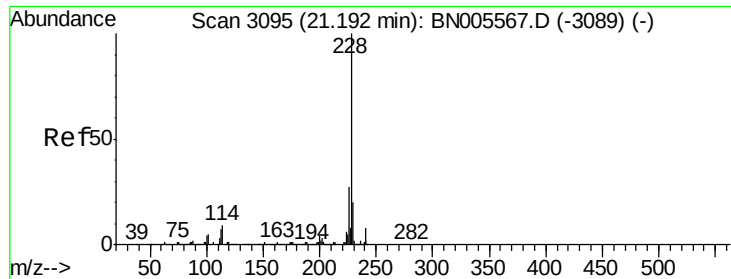
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#79
 Pyrene
 Concen: 439.270 ng/ul
 RT: 19.44 min Scan# 2797
 Delta R.T. 0.02 min
 Lab File: BN005579.D
 Acq: 09 May 2019 22:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.3	15.5
100	11.3	7.9	11.9





#82

Benzo(a)anthracene

Concen: 172.149 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

Instrument :

BNA_N

ClientSampleId :

GAJ91

Tot Ion:228 Resp: 6247823

Ion Ratio Lower Upper

228 100

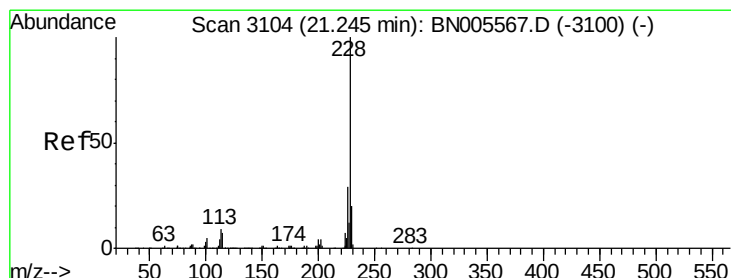
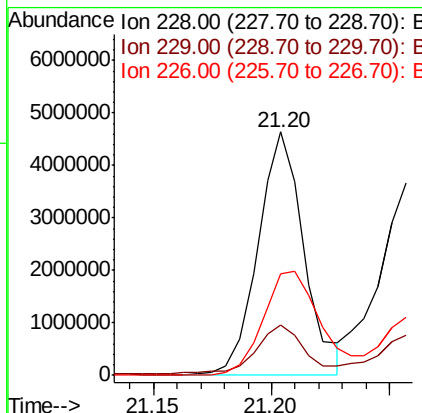
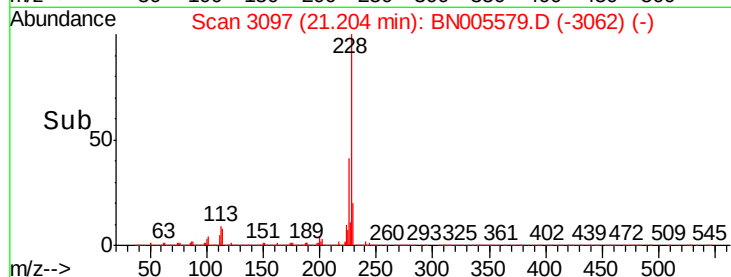
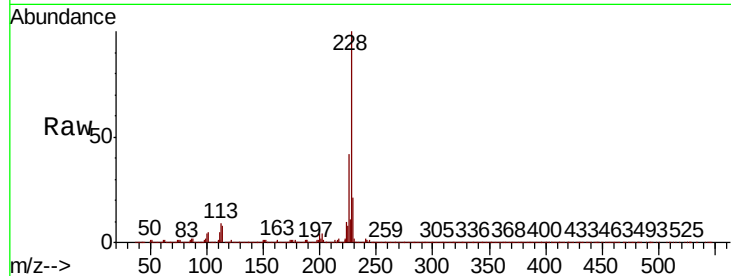
229 20.8 15.8 23.6

226 41.8 21.4 32.2#

Manual Integrations
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#84

Chrysene

Concen: 151.666 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

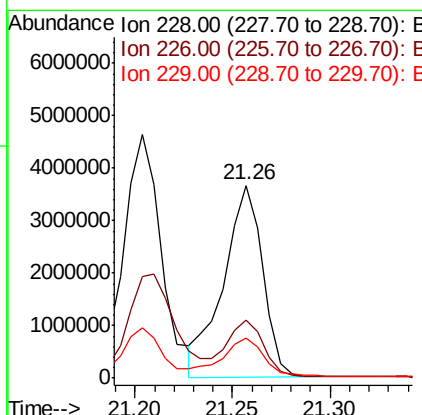
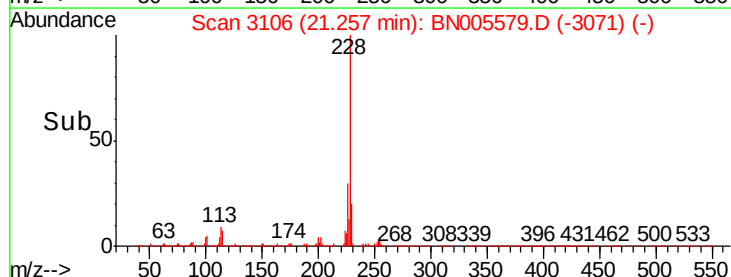
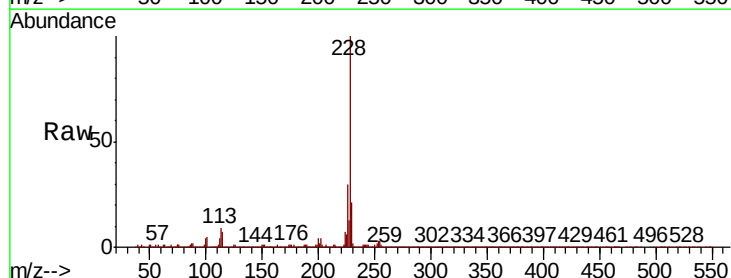
Tgt Ion:228 Resp: 5108634

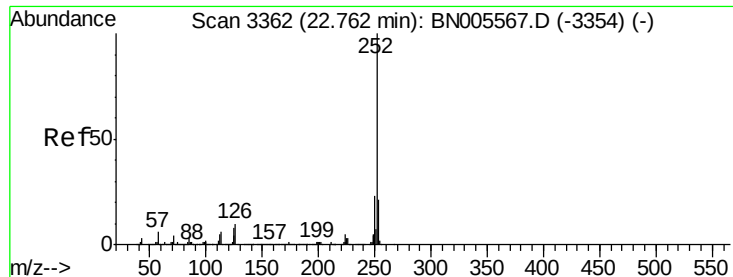
Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

229 21.0 15.4 23.0





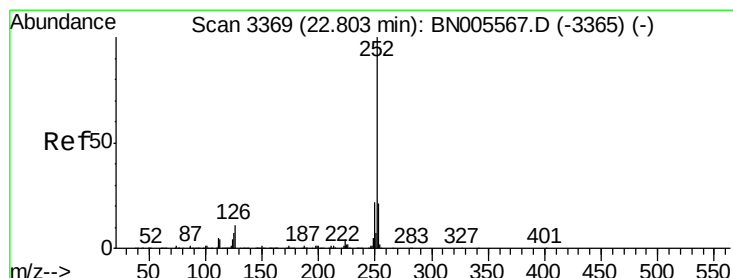
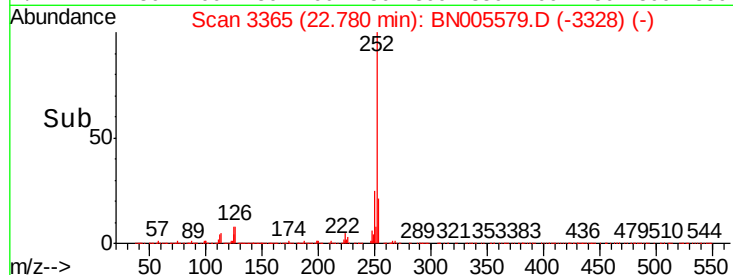
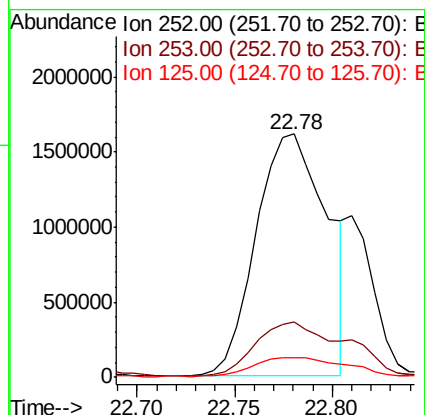
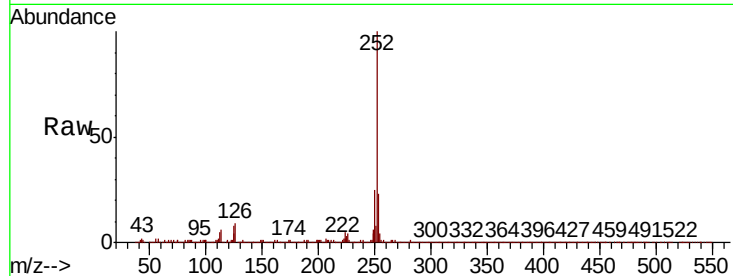
#87
Benzo(b)fluoranthene
Concen: 111.618 ng/ul
RT: 22.78 min Scan# 3365
Delta R.T. 0.02 min
Lab File: BN005579.D
Acq: 09 May 2019 22:53

Instrument :
BNA_N
ClientSampled :
GAJ91

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	8.3	8.4	12.6#

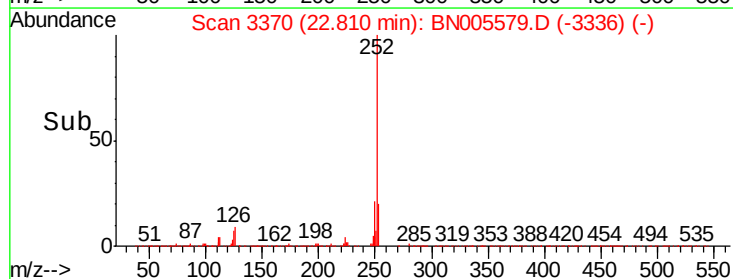
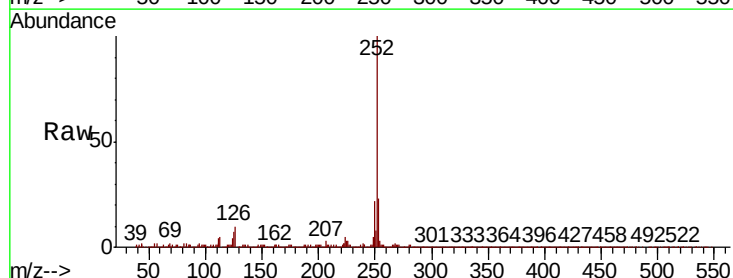
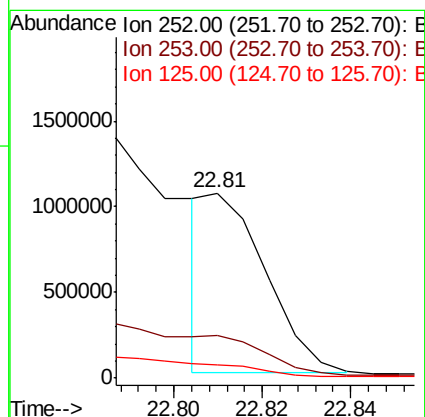
Manual Integrations
APPROVED

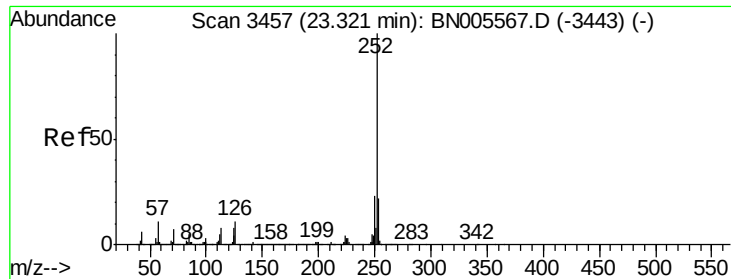
Sohil
5/10/2019 1:19:42 PM



#88
Benzo(k)fluoranthene
Concen: 28.020 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. 0.00 min
Lab File: BN005579.D
Acq: 09 May 2019 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	7.4	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 132.876 ng/ul m

RT: 23.33 min Scan# 3459

Delta R.T. 0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

Instrument :

BNA_N

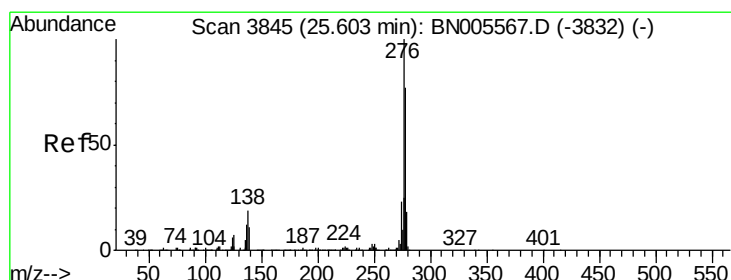
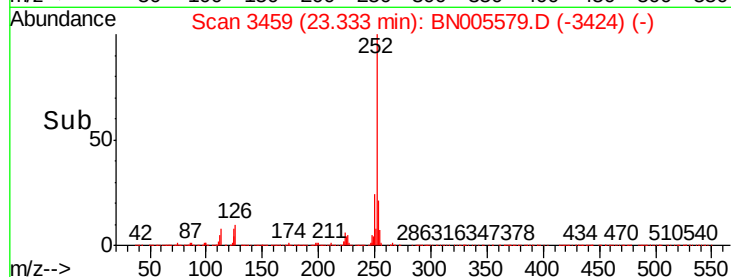
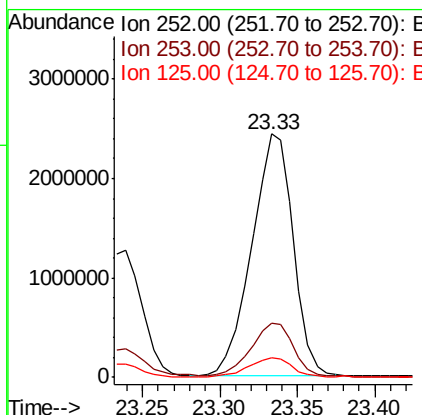
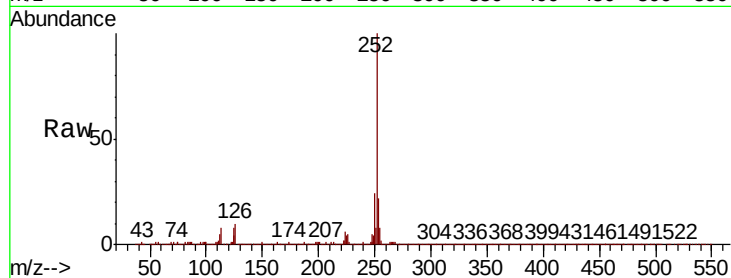
ClientSampleId :

GAJ91

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	8.1	8.6	13.0

Manual Integrations
APPROVED

Sohil
5/10/2019 1:19:42 PM



#91

Indeno(1,2,3-cd)pyrene

Concen: 46.828 ng/ul

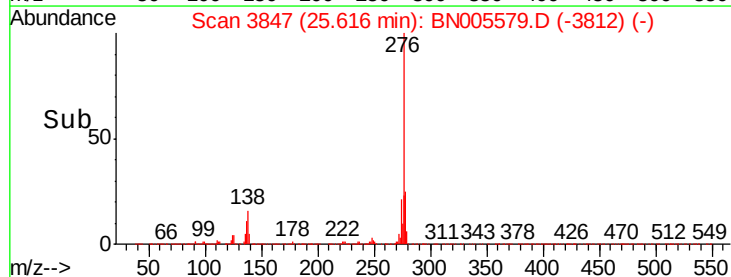
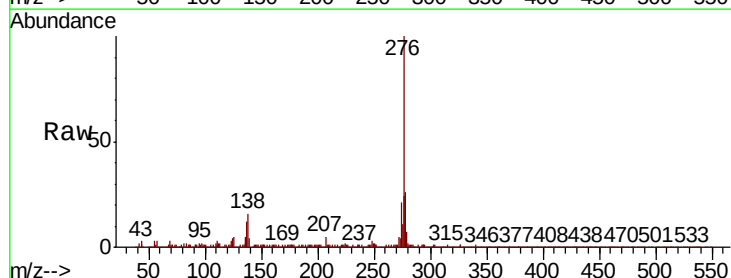
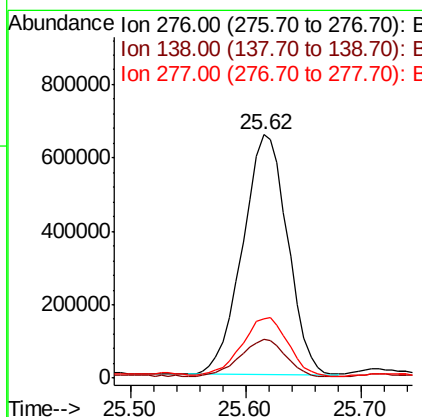
RT: 25.62 min Scan# 3847

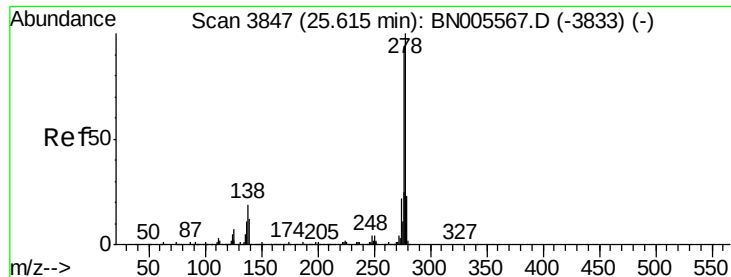
Delta R.T. 0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.0	17.9	26.9
277	24.3	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 16.447 ng/ul

RT: 25.62 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

Instrument :

BNA_N

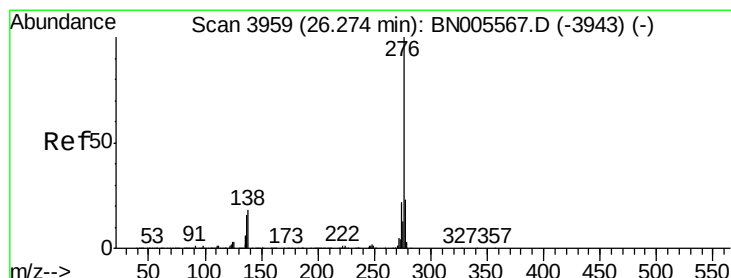
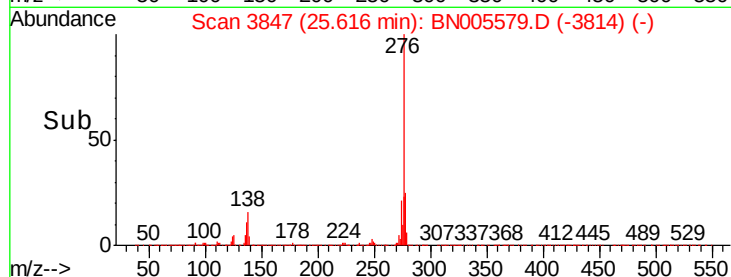
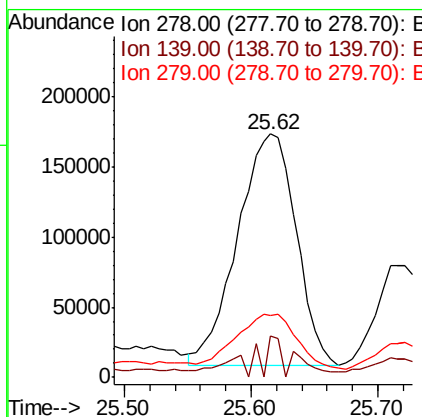
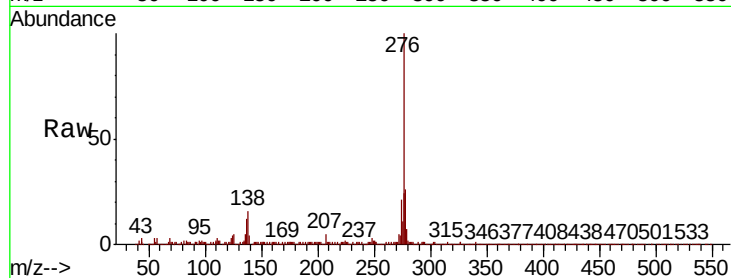
ClientSampleId :

GAJ91

Tot Ion:	278	Resp:	527410
Ion Ratio	Lower	Upper	
278	100		
139	16.8	13.1	19.7
279	25.5	19.4	29.0

Manual Integrations
APPROVED

Sohil
5/10/2019 1:19:42 PM



#93

Benzo(g,h,i)perylene

Concen: 60.185 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. 0.01 min

Lab File: BN005579.D

Acq: 09 May 2019 22:53

Tgt Ion:	276	Resp:	1880424
Ion Ratio	Lower	Upper	
276	100		
138	16.1	16.7	25.1#
277	24.6	18.2	27.2

