

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005315.D
 Acq On : 26 Apr 2019 11:39
 Operator : JU/SJ
 Sample : K2481-15 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHW8

Manual Integrations
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Quant Time: Apr 26 13:35:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	489120	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2062460	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1262644	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2799752	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	2461180	20.00	ng/ul	-0.02
85) Perylene-d12	23.41	264	2259689	20.00	ng/ul	-0.03

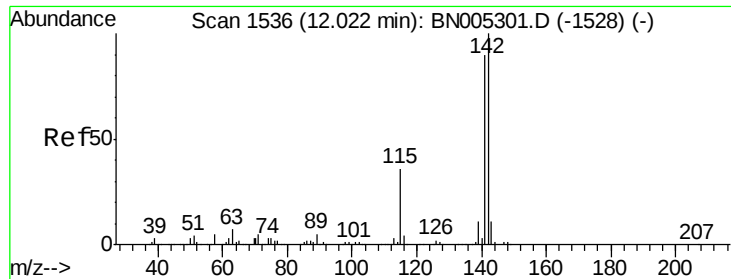
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2904	0.29	ng/uL	0.00
5) Phenol-d5	6.78	99	65580	1.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	41414	1.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	52720	1.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	51611	1.72	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	29739	2.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	27256	2.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	54172	1.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	67460	2.22	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	199791	2.18	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	227375	2.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	35960	2.48	ng/ul	0.00
57) Fluorene-d10	15.23	176	171226	2.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	11659	0.93	ng/ul	0.01
70) Anthracene-d10	17.09	188	258773	2.20	ng/ul	0.00
78) Pyrene-d10	19.39	212	293019	2.33	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	222484	2.25	ng/ul	-0.03

Target Compounds

					Qvalue
34) 2-Methylnaphthalene	12.03	142	3548218	50.541 ng/ul	97
40) 1,1'-Biphenyl	13.06	154	2069892	22.002 ng/ul	97
47) Acenaphthylene	13.96	152	9766708	88.280 ng/ul#	95
49) Acenaphthene	14.29	153	1273245	16.858 ng/ul	99
53) Dibenzofuran	14.63	168	1259099	11.579 ng/ul	96
58) Fluorene	15.29	166	6309672	74.359 ng/ul	98
64) N-Nitrosodiphenylamine	15.50	169	136823	1.786 ng/ul#	92
69) Phenanthrene	17.03	178	19960660m	146.390 ng/ul	
71) Anthracene	17.12	178	3219921	23.181 ng/ul	99
76) Fluoranthene	19.06	202	6202979	41.014 ng/ul	97
79) Pyrene	19.43	202	9318452	58.804 ng/ul	98
82) Benzo(a)anthracene	21.20	228	3153145m	20.594 ng/ul	
84) Chrysene	21.25	228	2943558	20.715 ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	1493584	11.758 ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	377096m	3.108 ng/ul	
90) Benzo(a)pyrene	23.32	252	931258	7.800 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.58	276	481279	3.646 ng/ul	98
92) Dibenzo(a,h)anthracene	25.59	278	178448	1.593 ng/ul	99
93) Benzo(g,h,i)perylene	26.24	276	393936	3.609 ng/ul	98

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



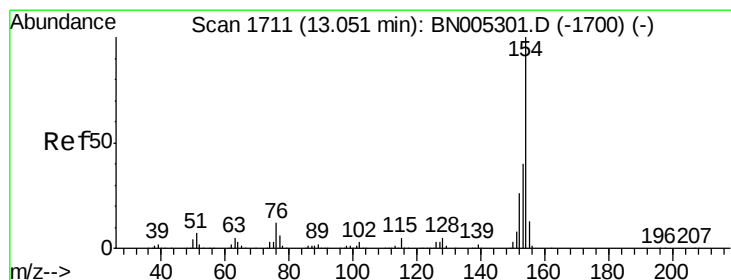
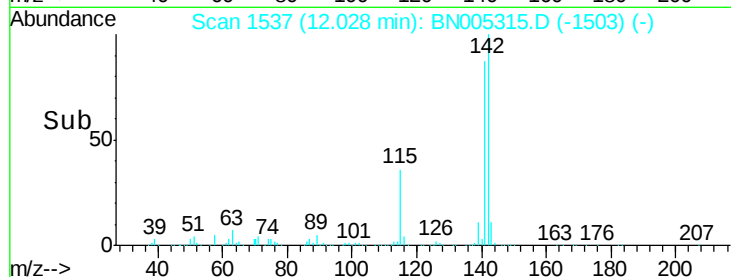
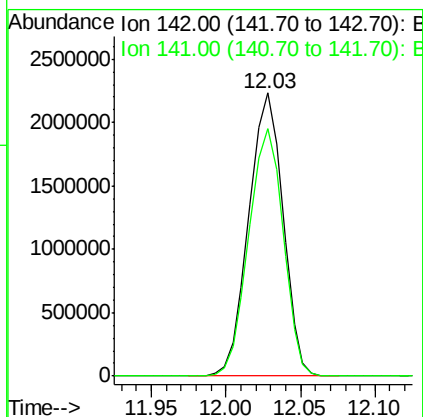
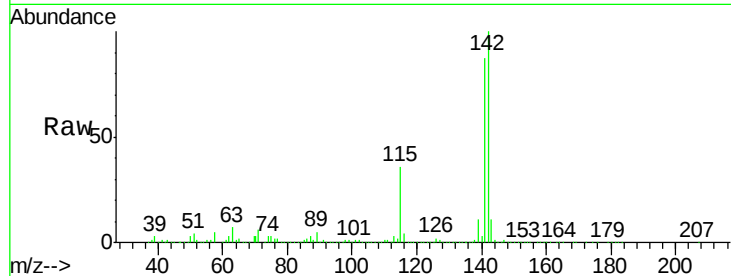
#34
2-Methylnaphthalene
Concen: 50.541 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BN005315.D
Acq: 26 Apr 2019 11:39

Instrument :
BNA_N
ClientSampleId :
GAHW8

Tgt Ion:142 Resp: 3548218
Ion Ratio Lower Upper
142 100
141 87.5 72.0 108.0

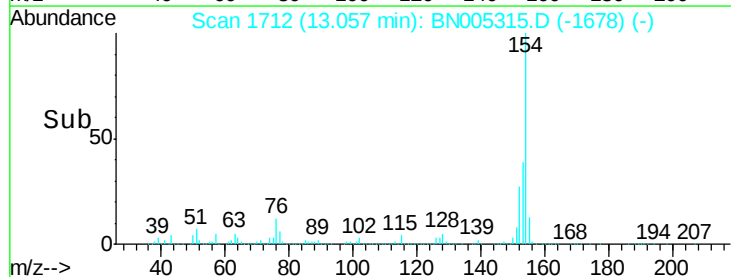
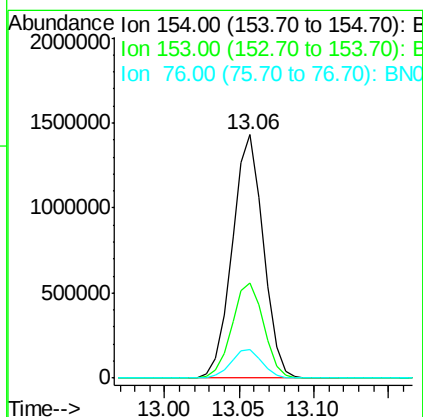
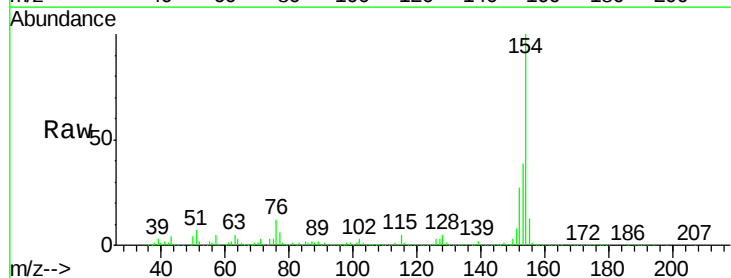
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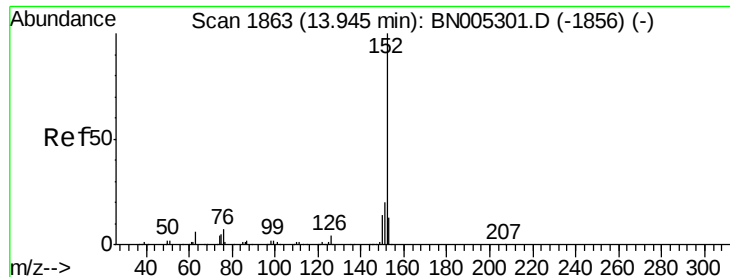
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#40
1,1'-Biphenyl
Concen: 22.002 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BN005315.D
Acq: 26 Apr 2019 11:39

Tgt Ion:154 Resp: 2069892
Ion Ratio Lower Upper
154 100
153 38.9 32.6 49.0
76 11.7 10.4 15.6





#47

Acenaphthylene

Concen: 88.280 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN005315.D

Acq: 26 Apr 2019 11:39

Instrument :

BNA_N

ClientSampleId :

GAHW8

Tgt Ion:152 Resp: 9766708

Ion Ratio Lower Upper

152 100

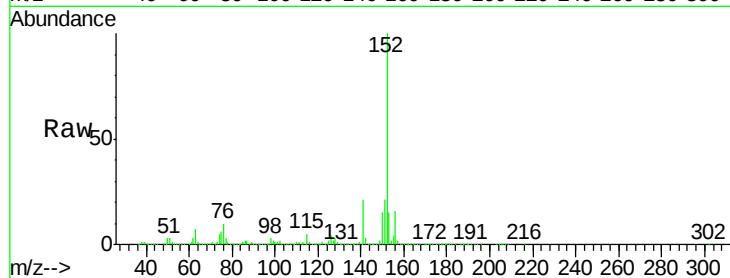
151 21.3 15.8 23.8

153 15.4 9.8 14.8#

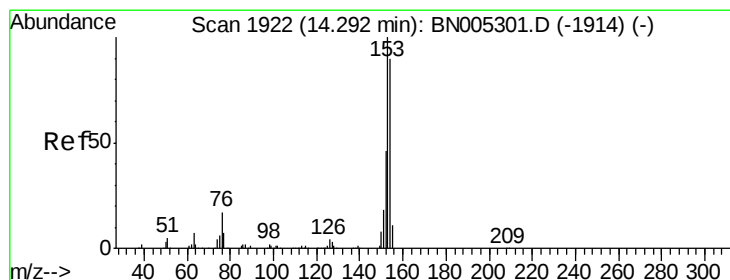
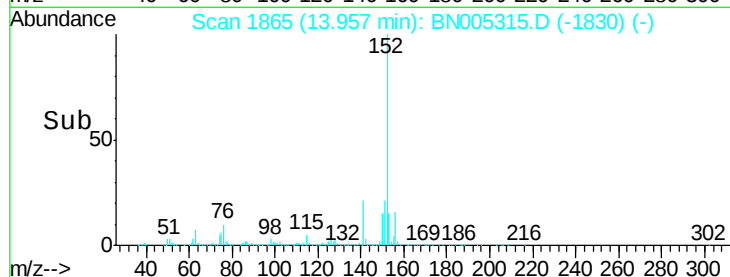
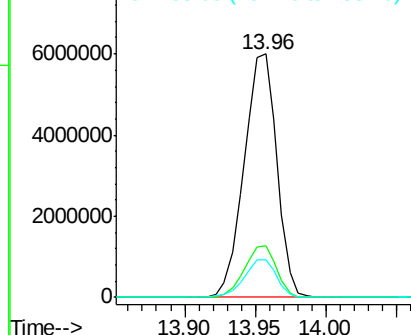
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 16.858 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005315.D

Acq: 26 Apr 2019 11:39

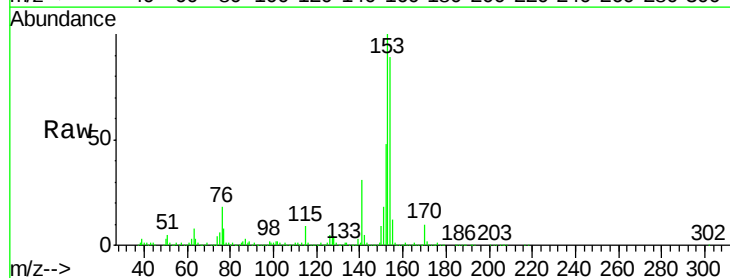
Tgt Ion:153 Resp: 1273245

Ion Ratio Lower Upper

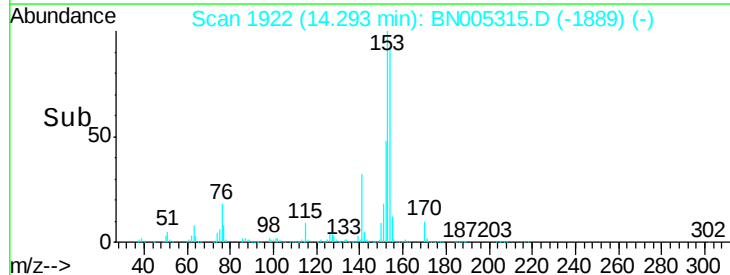
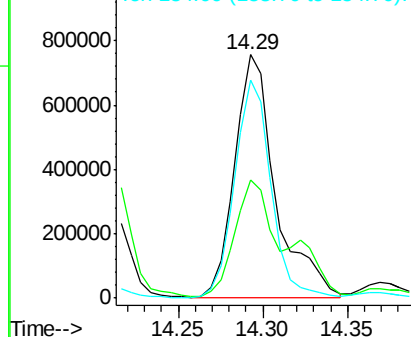
153 100

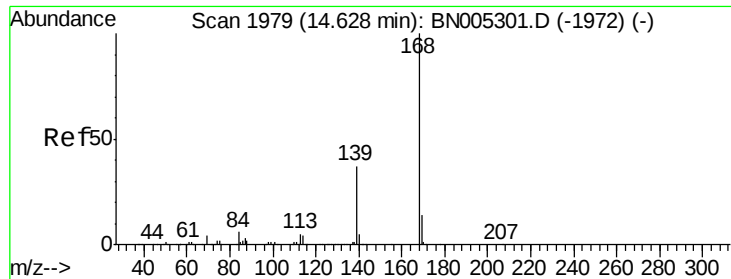
152 48.4 37.4 56.0

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





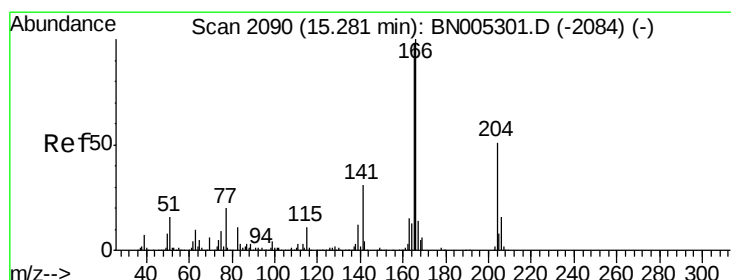
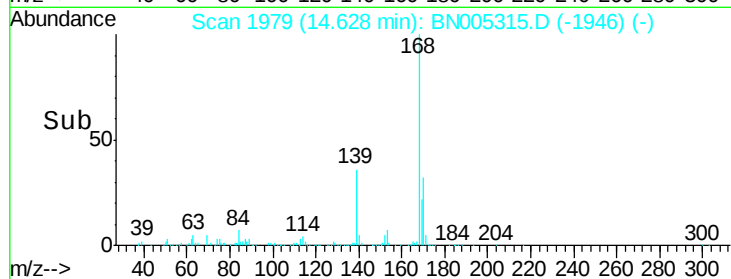
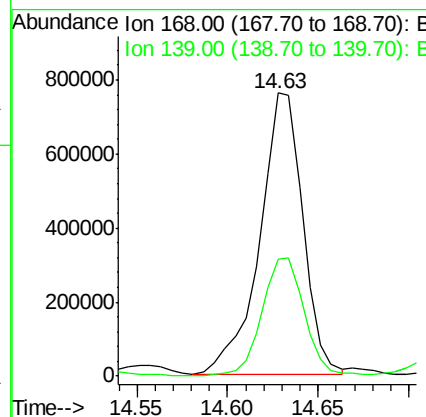
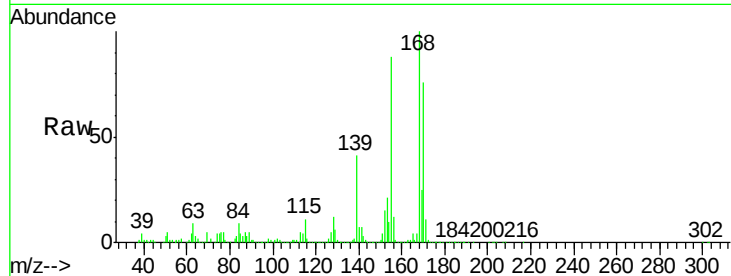
#53
Dibenzenofuran
Concen: 11.579 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN005315.D
Acq: 26 Apr 2019 11:39

Instrument :
BNA_N
ClientSampled :
GAHW8

Tgt Ion:168 Resp: 1259099
Ion Ratio Lower Upper
168 100
139 41.3 30.9 46.3

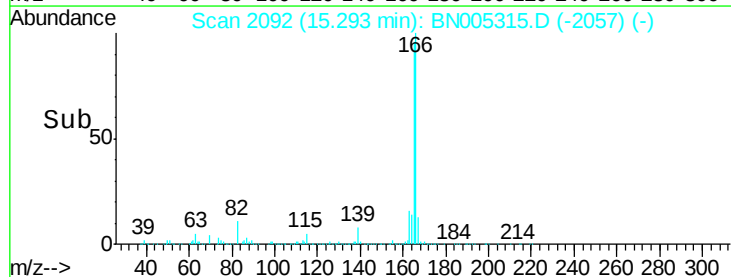
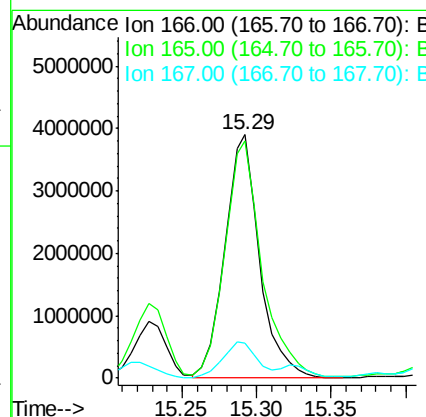
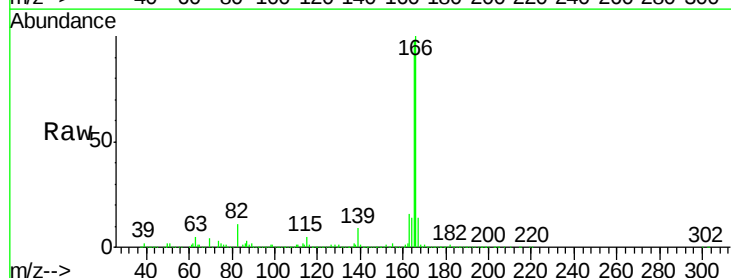
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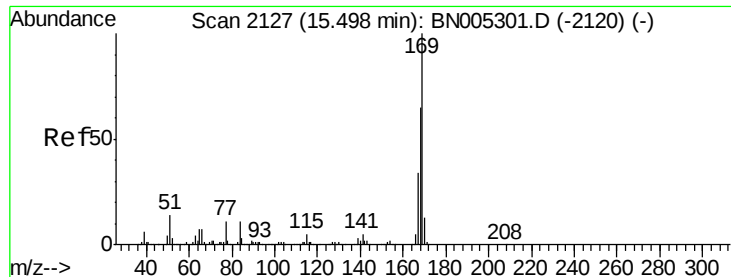
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#58
Fluorene
Concen: 74.359 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BN005315.D
Acq: 26 Apr 2019 11:39

Tgt Ion:166 Resp: 6309672
Ion Ratio Lower Upper
166 100
165 97.6 80.0 120.0
167 14.4 10.7 16.1





#64

N-Nitrosodiphenylamine

Concen: 1.786 ng/ul

RT: 15.50 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BN005315.D

Acq: 26 Apr 2019 11:39

Instrument :

BNA_N

ClientSampled :

GAHW8

Tgt Ion:169 Resp: 136823
Ion Ratio Lower Upper

169 100

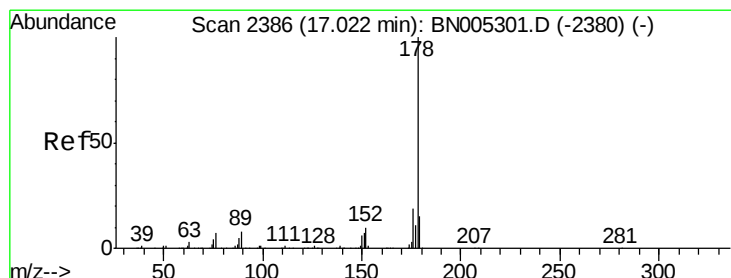
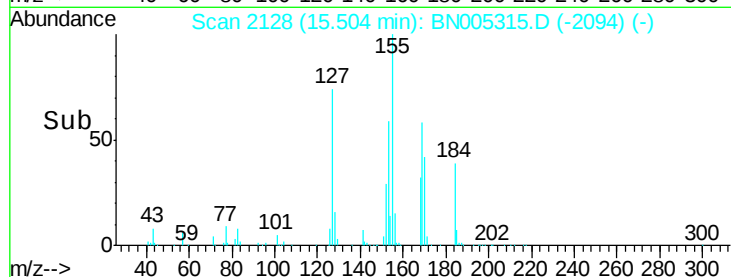
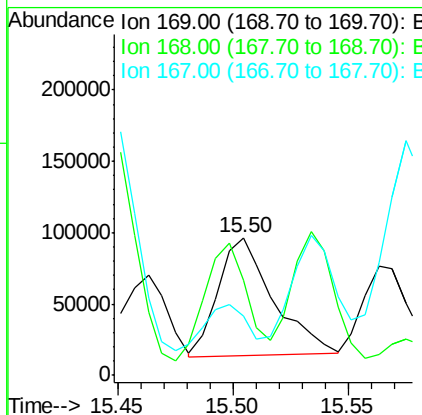
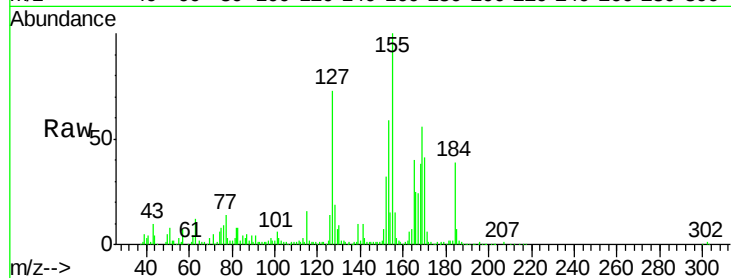
168 68.8 52.2 78.2

167 43.1 27.7 41.5#

Manual Integrations
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#69

Phenanthrene

Concen: 146.390 ng/ul m

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005315.D

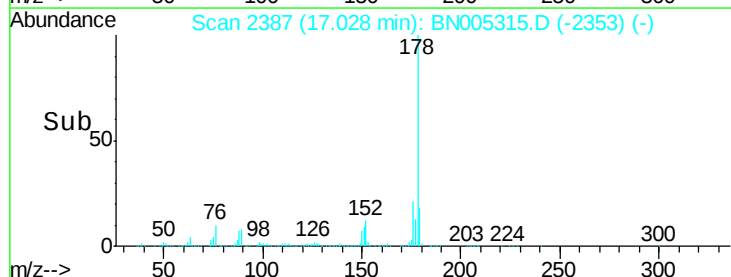
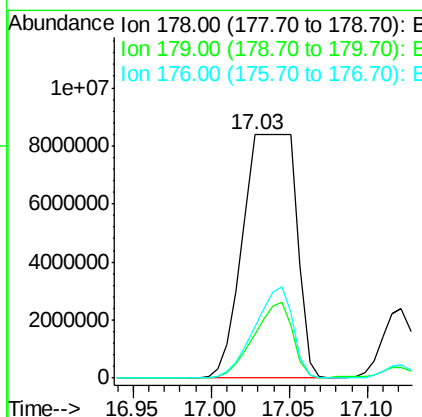
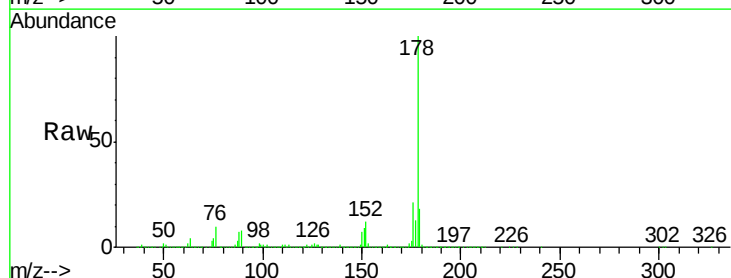
Acq: 26 Apr 2019 11:39

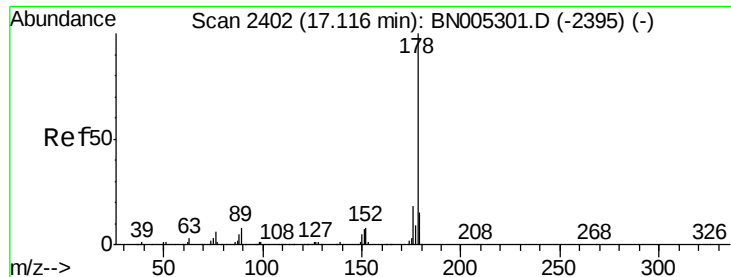
Tgt Ion:178 Resp:19960660
Ion Ratio Lower Upper

178 100

179 17.9 12.2 18.4

176 21.0 15.1 22.7





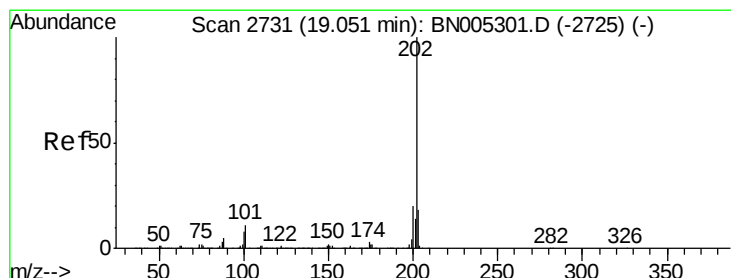
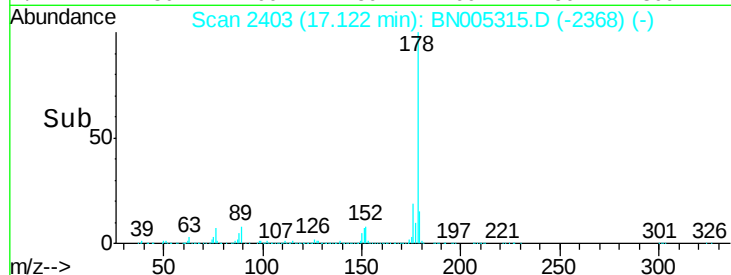
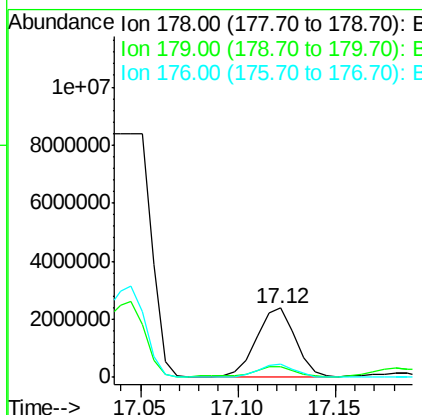
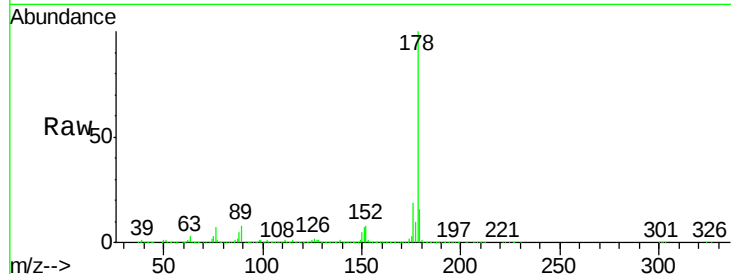
#71
 Anthracene
 Concen: 23.181 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BN005315.D
 Acq: 26 Apr 2019 11:39

Instrument :
 BNA_N
 ClientSampleId :
 GAHW8

Tgt Ion:178 Resp: 3219921
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.3 18.5
 176 18.5 15.1 22.7

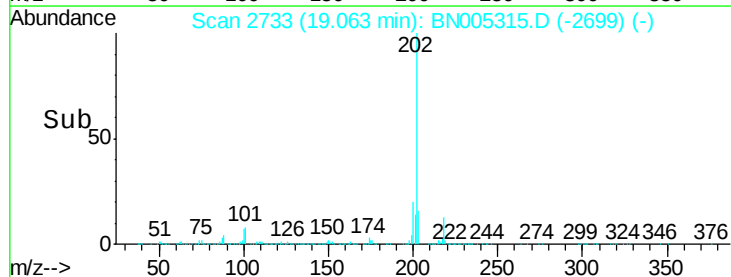
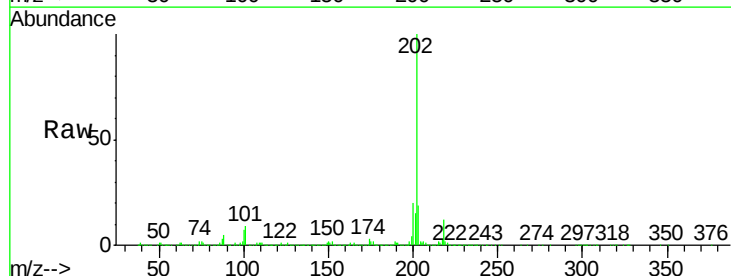
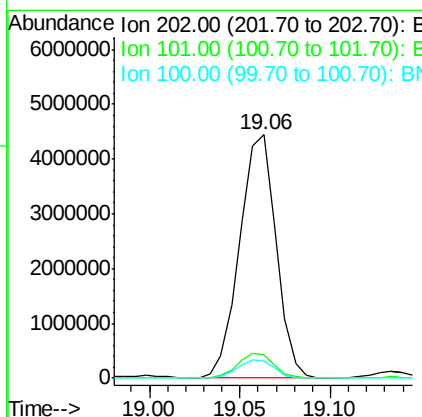
Manual Integrations
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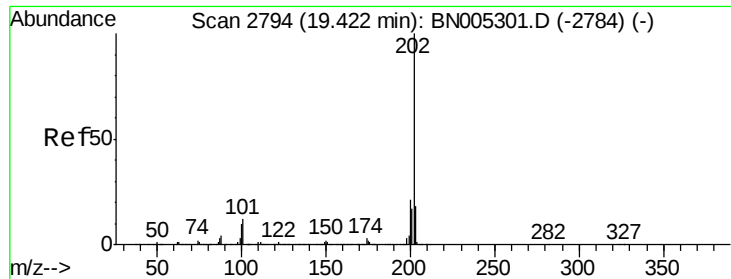
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#76
 Fluoranthene
 Concen: 41.014 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: BN005315.D
 Acq: 26 Apr 2019 11:39

Tgt Ion:202 Resp: 6202979
 Ion Ratio Lower Upper
 202 100
 101 9.5 8.6 12.8
 100 7.1 6.3 9.5





#79

Pyrene

Concen: 58.804 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BN005315.D

Acq: 26 Apr 2019 11:39

Instrument :

BNA_N

ClientSampleId :

GAHW8

Tgt Ion:202 Resp: 9318452

Ion Ratio Lower Upper

202 100

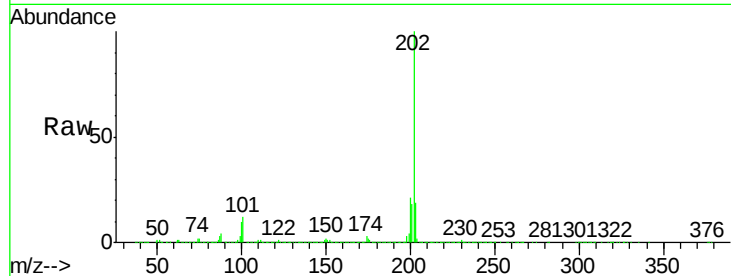
101 12.0 10.3 15.5

100 9.7 7.9 11.9

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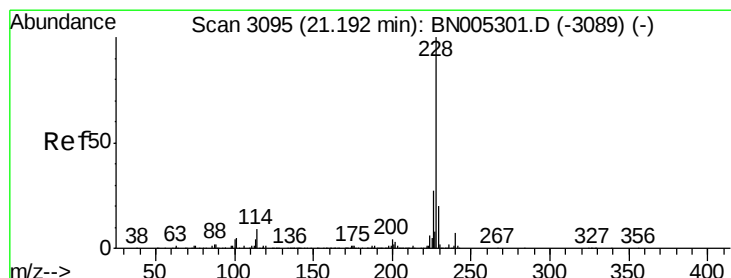
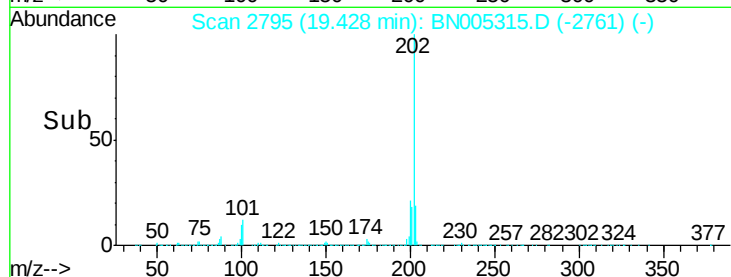
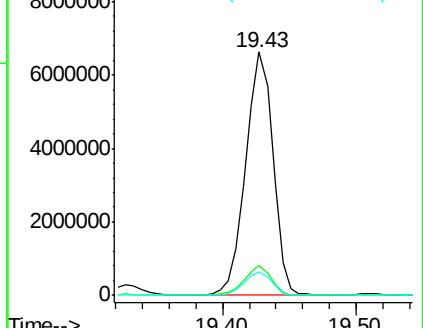
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 20.594 ng/ul m

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN005315.D

Acq: 26 Apr 2019 11:39

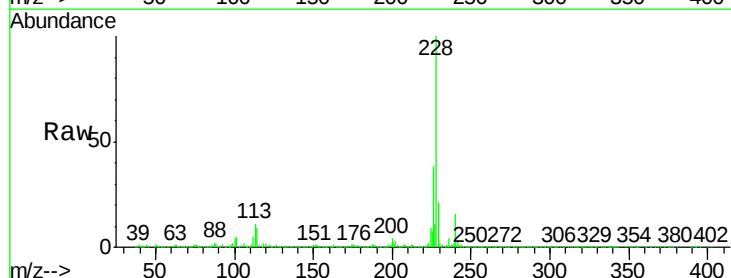
Tgt Ion:228 Resp: 3153145

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

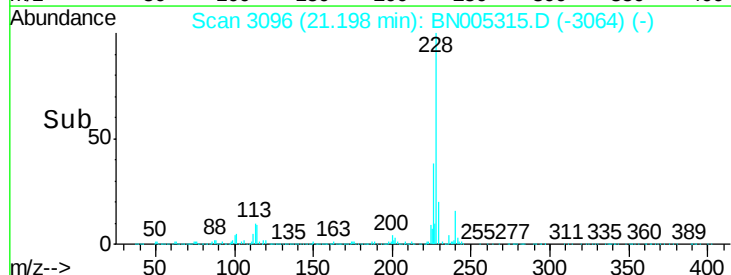
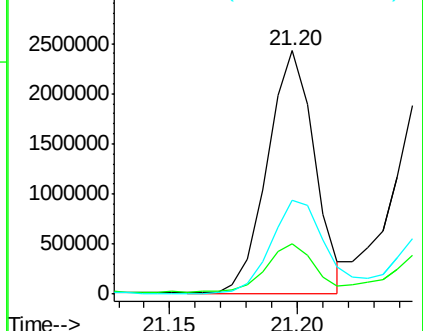
226 38.4 21.4 32.2#

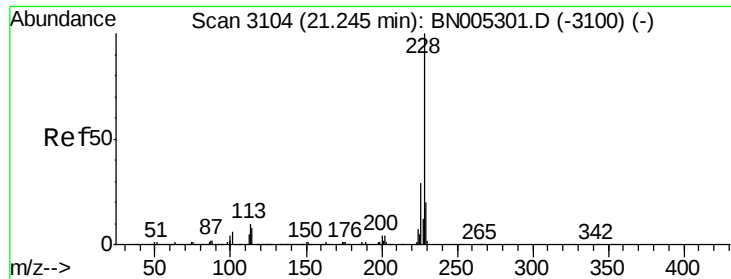


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 20.715 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN005315.D

Acq: 26 Apr 2019 11:39

Instrument :

BNA_N

ClientSampleId :

GAHW8

Tgt Ion:228 Resp: 2943558

Ion Ratio Lower Upper

228 100

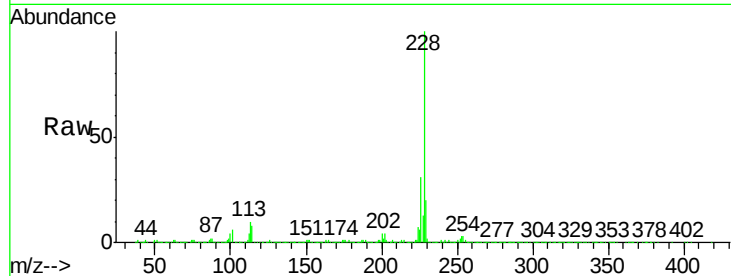
226 30.6 24.0 36.0

229 20.3 15.4 23.0

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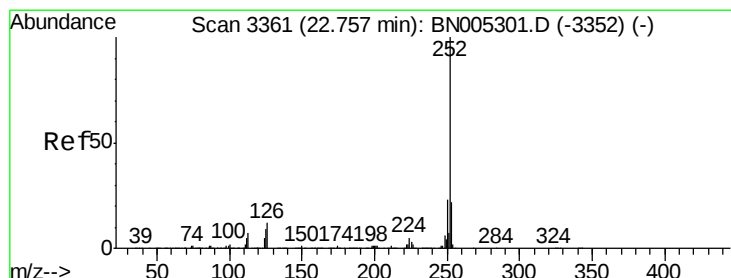
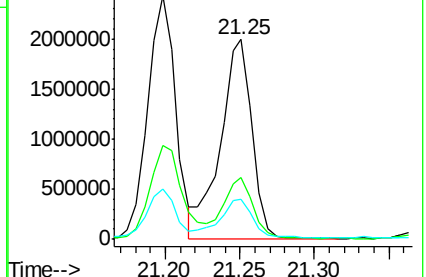
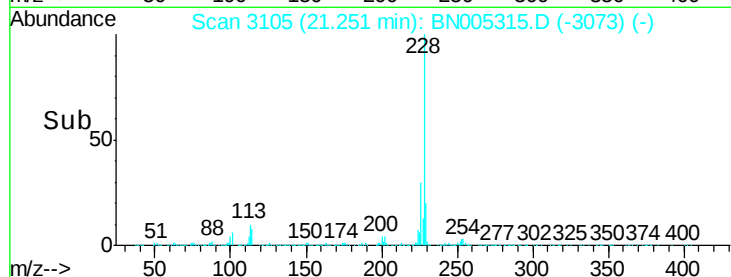
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 11.758 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005315.D

Acq: 26 Apr 2019 11:39

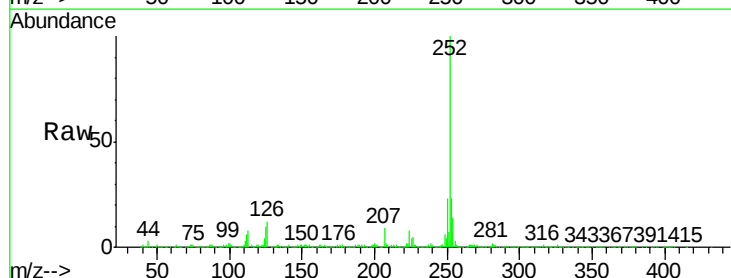
Tgt Ion:252 Resp: 1493584

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

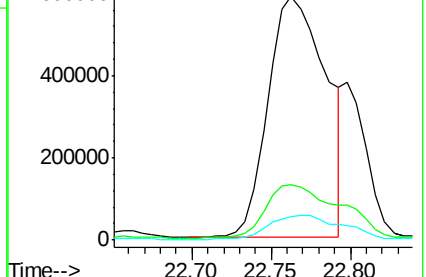
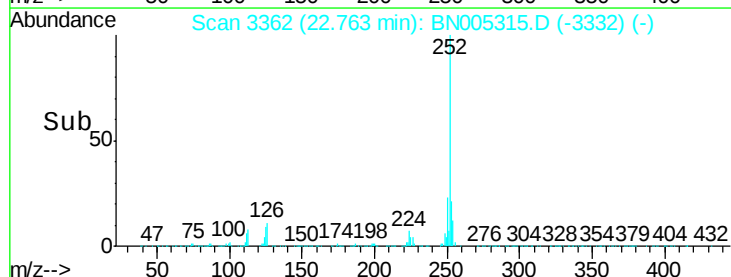
125 9.6 8.4 12.6

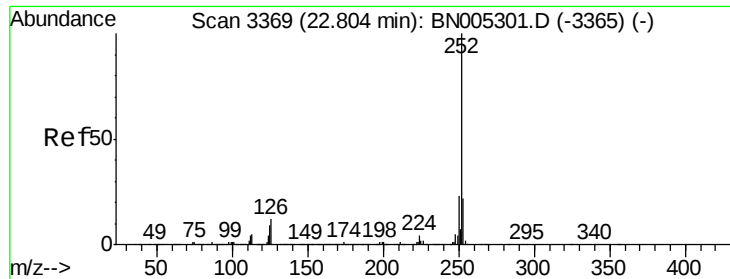


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





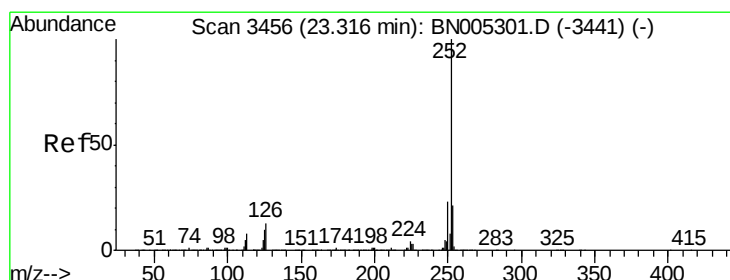
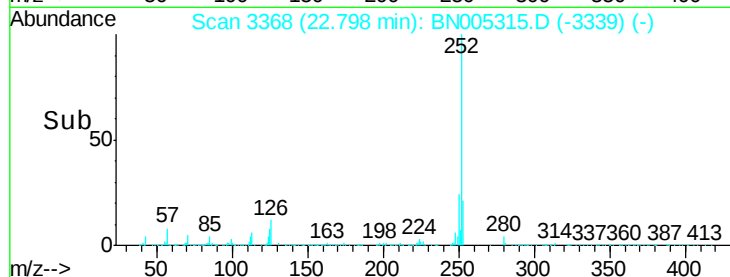
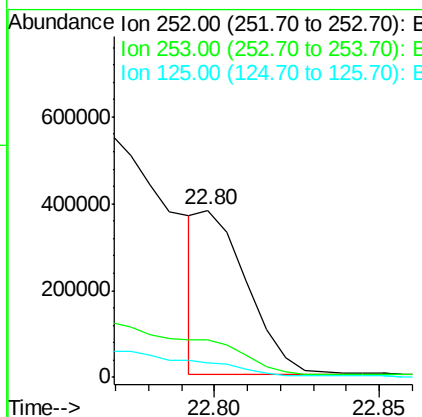
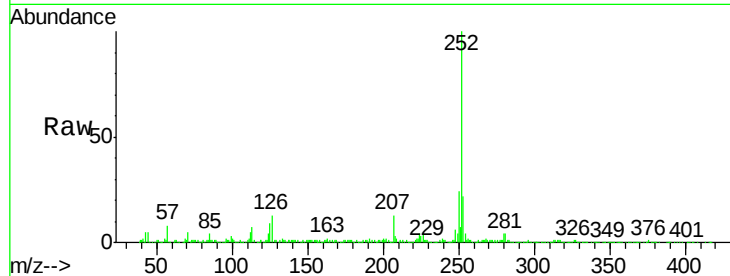
#88
Benzo(k)fluoranthene
Concen: 3.108 ng/ul m
RT: 22.80 min Scan# 3368
Delta R.T. -0.03 min
Lab File: BN005315.D
Acq: 26 Apr 2019 11:39

Instrument :
BNA_N
ClientSampleId :
GAHW8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	8.9	7.5	11.3

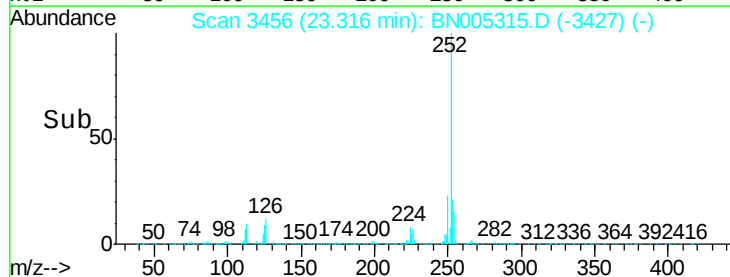
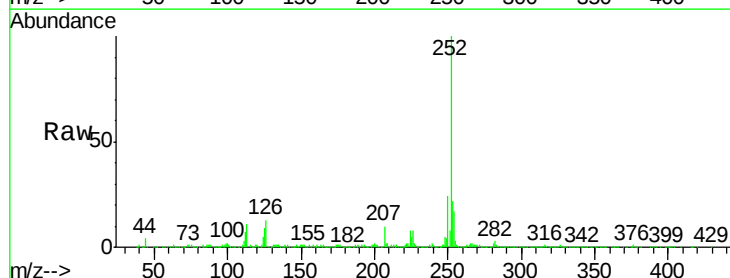
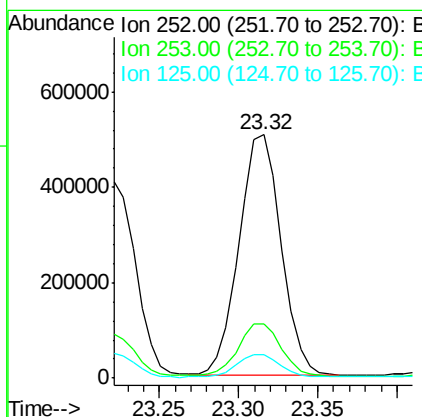
Manual Integrations
APPROVED

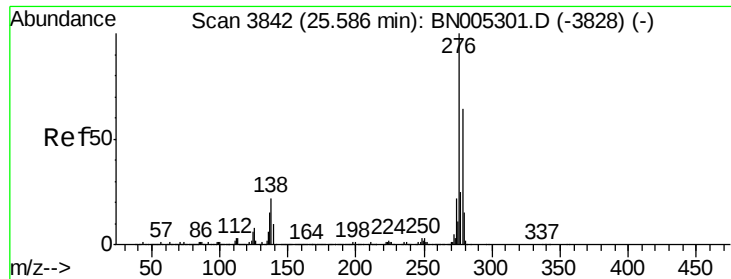
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#90
Benzo(a)pyrene
Concen: 7.800 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.03 min
Lab File: BN005315.D
Acq: 26 Apr 2019 11:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	9.5	8.6	13.0





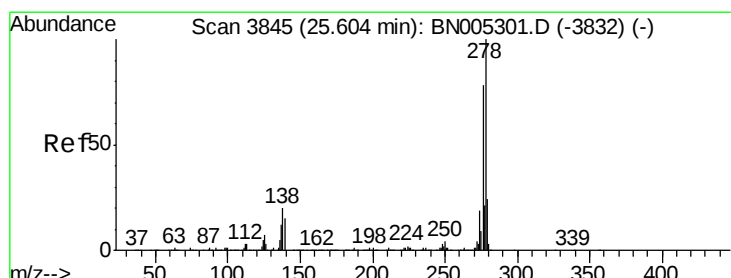
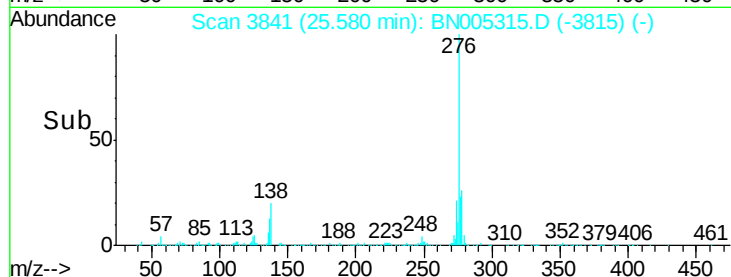
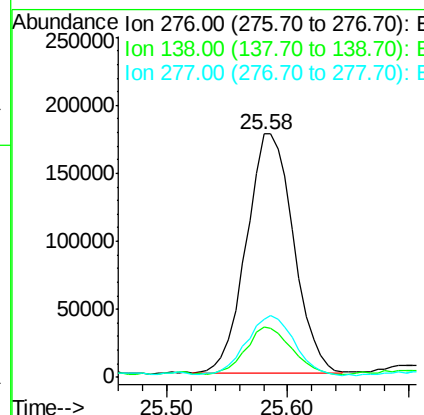
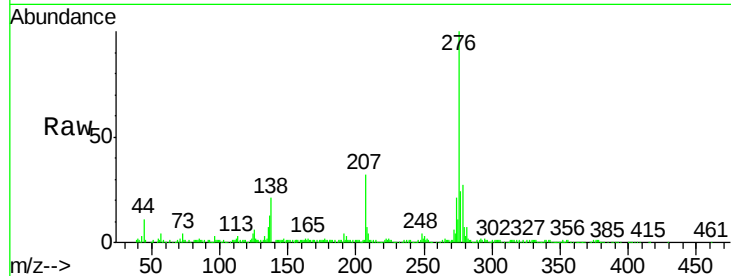
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 3.646 ng/ul
 RT: 25.58 min Scan# 3841
 Delta R.T. -0.05 min
 Lab File: BN005315.D
 Acq: 26 Apr 2019 11:39

Instrument :
 BNA_N
 ClientSampleId :
 GAHW8

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	17.9	26.9
277	23.8	19.7	29.5

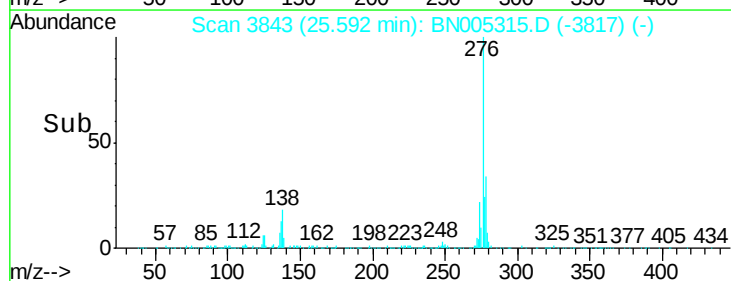
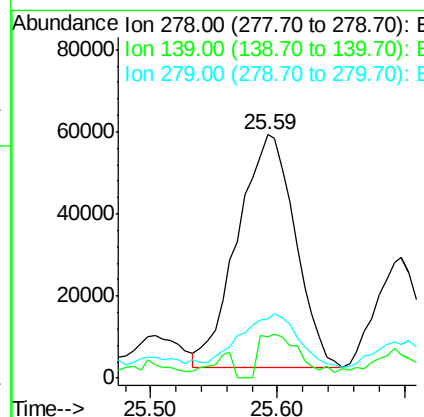
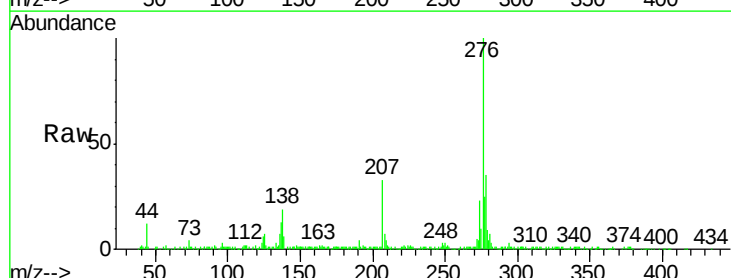
Manual Integrations
 APPROVED

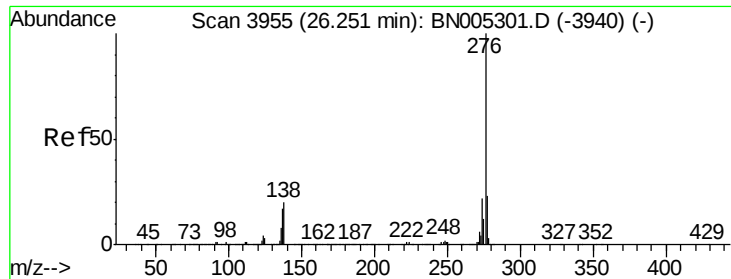
Sohil
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#92
 Dibenzo(a,h)anthracene
 Concen: 1.593 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. -0.05 min
 Lab File: BN005315.D
 Acq: 26 Apr 2019 11:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.1	19.7
279	24.4	19.4	29.0





#93
 Benzo(g,h,i)perylene
 Concen: 3.609 ng/ul
 RT: 26.24 min Scan# 3954
 Delta R.T. -0.05 min
 Lab File: BN005315.D
 Acq: 26 Apr 2019 11:39

Instrument :
 BNA_N
 ClientSampleId :
 GAHW8

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	18.9	16.7	25.1	
277	22.7	18.2	27.2	

Manual Integrations
 APPROVED

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