

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010031.D
 Acq On : 29 Feb 2020 19:00
 Operator : CG/JU
 Sample : L1615-08
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDN2

Manual Integrations
 APPROVED

mohammad
 3/3/2020 5:00:29 PM

Quant Time: Mar 02 06:29:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 29 01:38:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	74377	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	307268	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	195939	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	411975	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	369533	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	404507	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	2967	1.64	ng/uL	0.00
5) Phenol-d5	6.59	99	74253	11.74	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.73	67	50737	11.62	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	57752	12.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	60713	12.06	ng/ul	0.01
19) Nitrobenzene-d5	8.52	128	26278	11.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.24	143	29366	11.94	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.79	165	57033	12.06	ng/ul	0.02
29) 4-Chloroaniline-d4	10.31	131	24294m	4.57	ng/ul	0.04
44) Dimethylphthalate-d6	13.45	166	189228	12.93	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	223288	12.95	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	22919m	8.57	ng/ul	0.04
58) Fluorene-d10	15.02	176	165144	13.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	15649	6.11	ng/ul	0.02
71) Anthracene-d10	16.87	188	265406	14.05	ng/ul	0.00
79) Pyrene-d10	19.19	212	288079	14.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	279022	13.81	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.62	94	8242	1.216	ng/ul#	69
14) Acetophenone	8.20	105	12883	1.571	ng/ul	94
45) Dimethylphthalate	13.49	163	38118	2.496	ng/ul	99
48) Acenaphthylene	13.73	152	150602	8.072	ng/ul	98
50) Acenaphthene	14.08	153	14071	1.100	ng/ul#	88
59) Fluorene	15.08	166	39482	2.621	ng/ul	99
70) Phenanthrene	16.82	178	809135	34.414	ng/ul	99
72) Anthracene	16.91	178	1125691	46.835	ng/ul	99
75) Carbazole	17.19	167	53076	2.508	ng/ul#	93
77) Fluoranthene	18.86	202	4678706	169.885	ng/ul	98
80) Pyrene	19.22	202	6306985	236.734	ng/ul	99
83) Benzo(a)anthracene	20.99	228	2031248	79.987	ng/ul	97
85) Chrysene	21.04	228	2632373m	105.292	ng/ul	
88) Benzo(b)fluoranthene	22.49	252	3129060	119.308	ng/ul	98
89) Benzo(k)fluoranthene	22.52	252	853913m	34.386	ng/ul	
91) Benzo(a)pyrene	23.01	252	1418051	60.116	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.13	276	621876	22.205	ng/ul	94
93) Dibenzo(a,h)anthracene	25.13	278	180679	7.542	ng/ul#	76
94) Benzo(g,h,i)perylene	25.75	276	354415	15.093	ng/ul	98

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

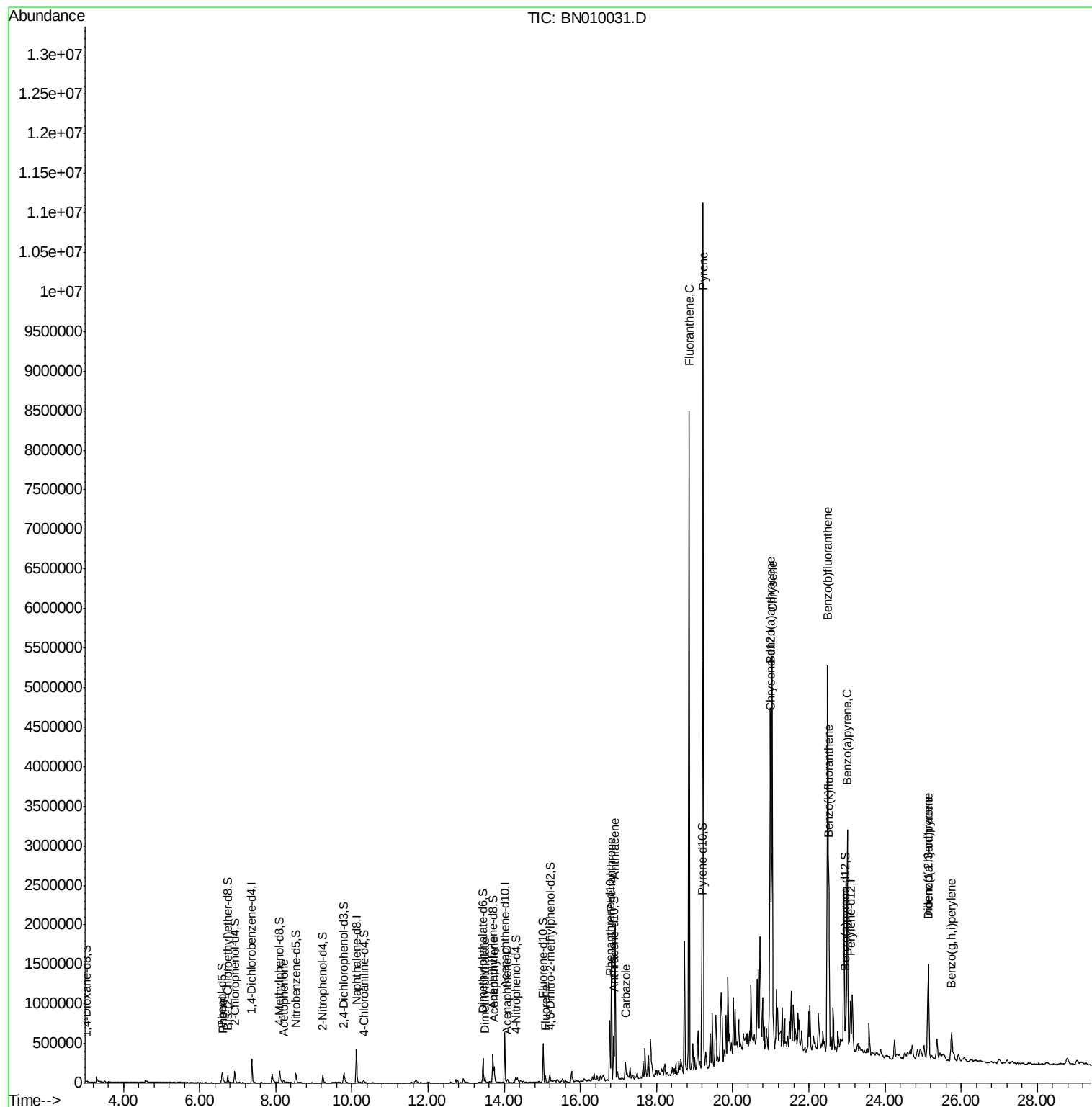
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010031.D
Acq On : 29 Feb 2020 19:00
Operator : CG/JU
Sample : L1615-08
Misc :
ALS Vial : 51 Sample Multiplier: 1

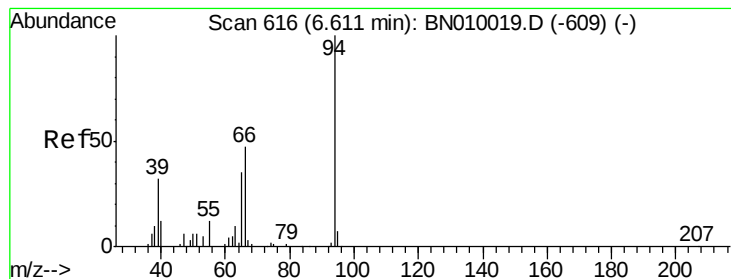
Instrument :
BNA_N
ClientSampleId :
DBDN2

Quant Time: Mar 02 06:29:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

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#6

Phenol

Concen: 1.216 ng/ul

RT: 6.62 min Scan# 617

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampled :

DBDN2

Tot Ion: 94 Resp: 8242

Ion Ratio Lower Upper

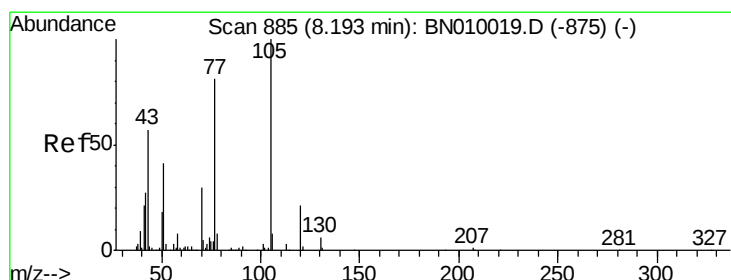
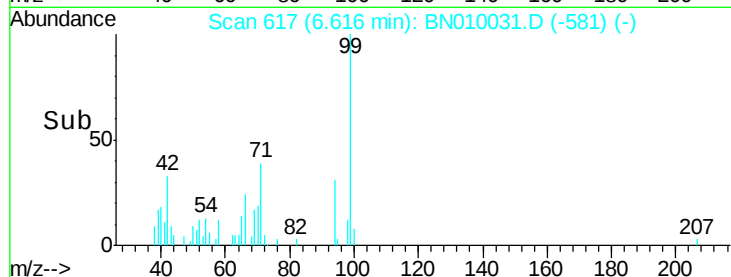
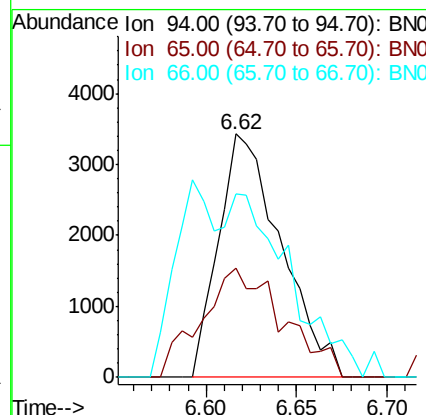
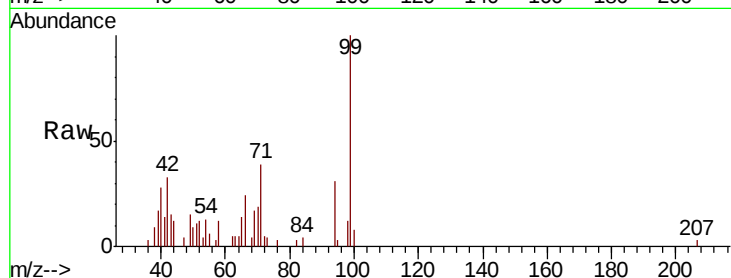
94 100

65 44.7 27.6 41.4#

66 75.6 38.5 57.7#

Manual Integrations
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#14

Acetophenone

Concen: 1.571 ng/ul

RT: 8.20 min Scan# 887

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

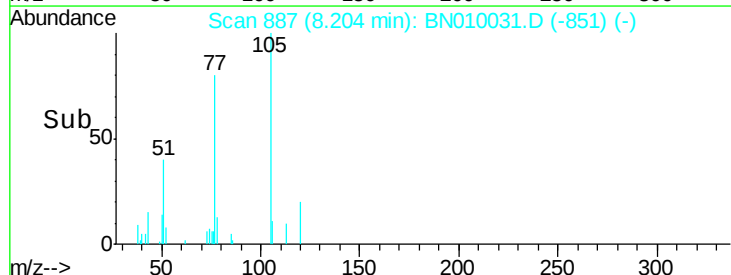
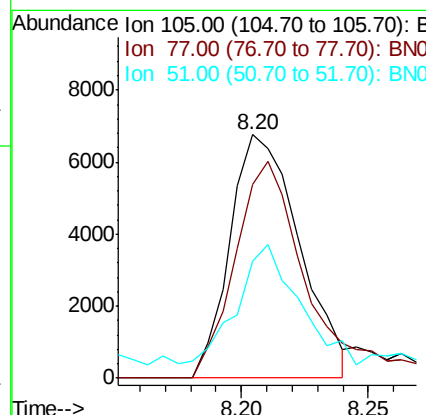
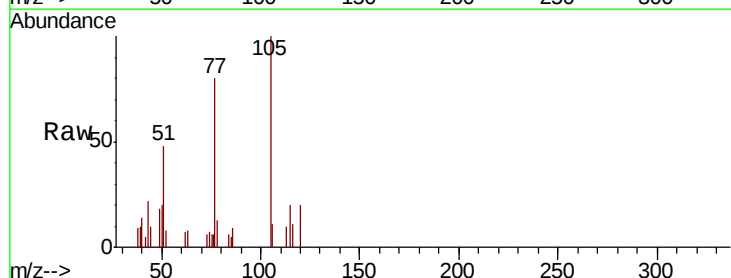
Tgt Ion: 105 Resp: 12883

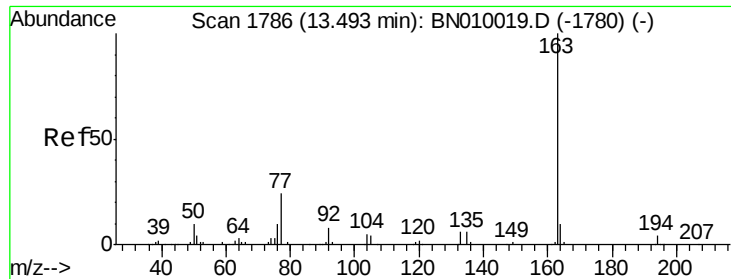
Ion Ratio Lower Upper

105 100

77 79.8 68.9 103.3

51 48.1 35.6 53.4





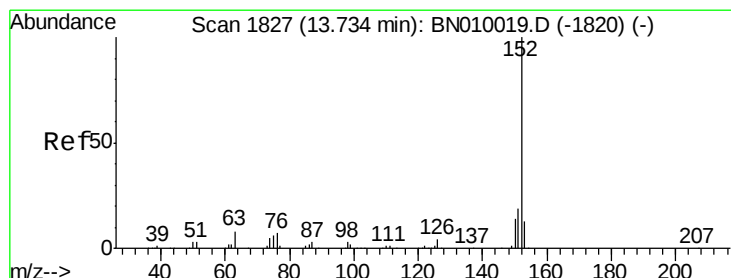
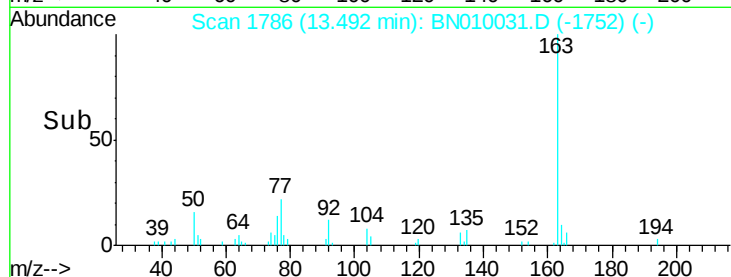
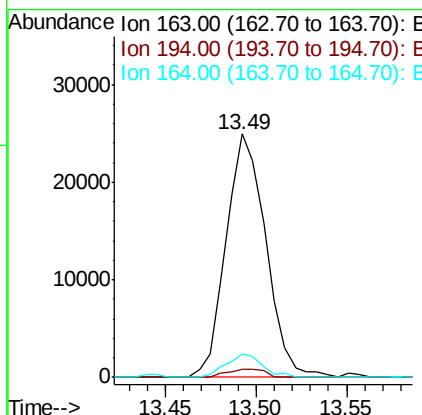
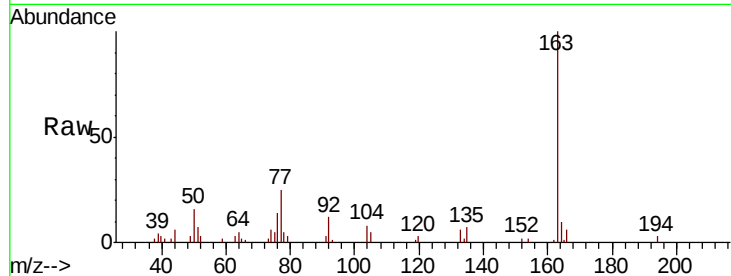
#45
Dimethylphthalate
Concen: 2.496 ng/ul
RT: 13.49 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Instrument :
BNA_N
ClientSampleId :
DBDN2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	38118		
194	3.4		3.4	5.0
164	9.8		8.0	12.0

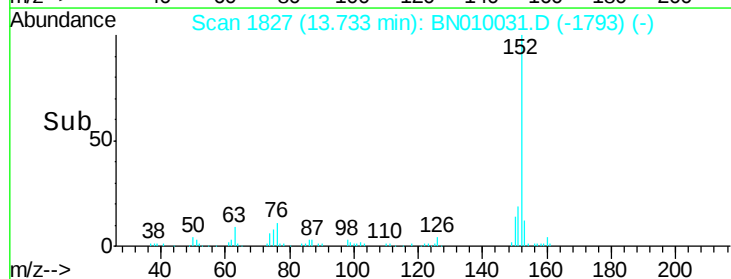
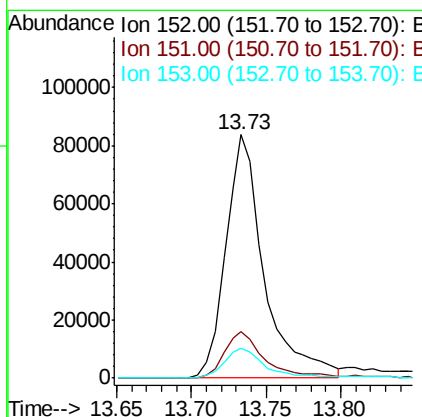
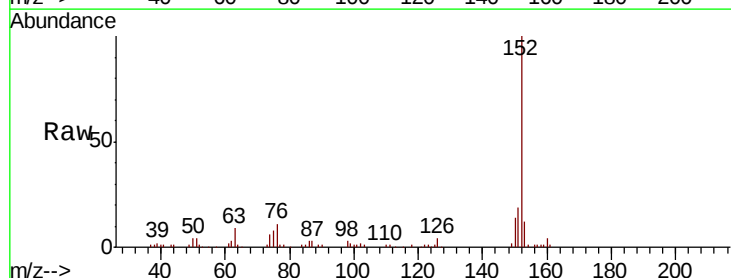
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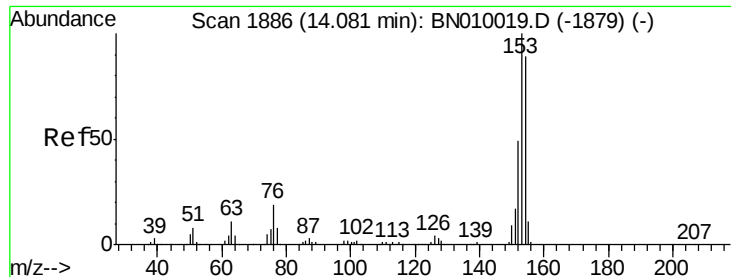
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#48
Acenaphthylene
Concen: 8.072 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	150602		
151	18.9		15.7	23.5
153	12.3		10.3	15.5





#50

Acenaphthene

Concen: 1.100 ng/ul

RT: 14.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampled :

DBDN2

Tot Ion:153 Resp: 14071

Ion Ratio Lower Upper

153 100

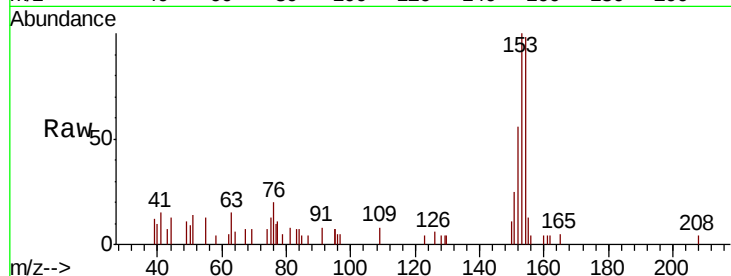
152 56.4 36.6 54.8#

154 98.1 70.6 106.0

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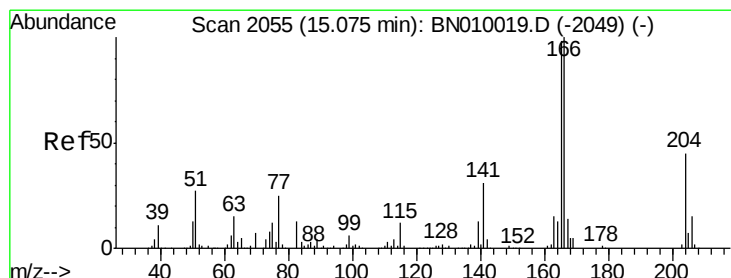
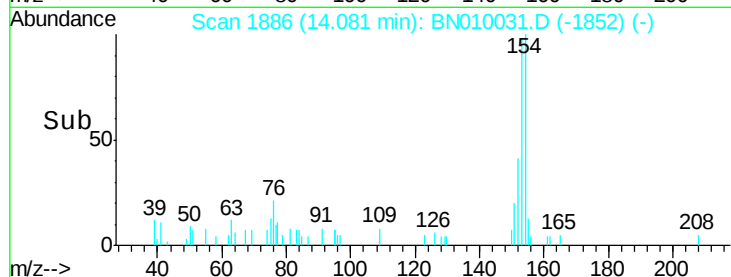
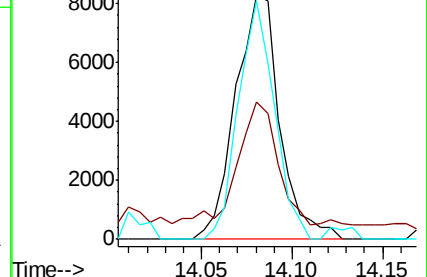
3/3/2020 5:00:29 PM



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



#59

Fluorene

Concen: 2.621 ng/ul

RT: 15.08 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

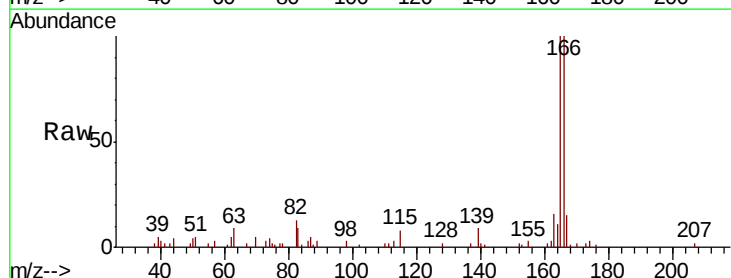
Tgt Ion:166 Resp: 39482

Ion Ratio Lower Upper

166 100

165 99.7 79.8 119.8

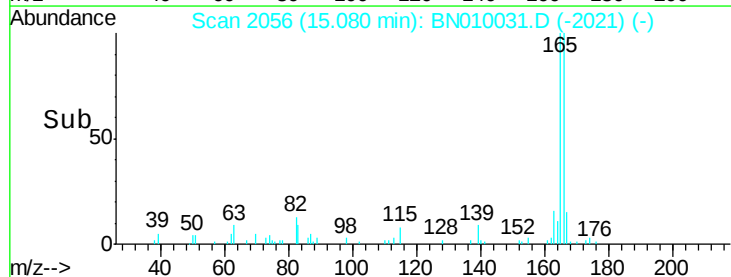
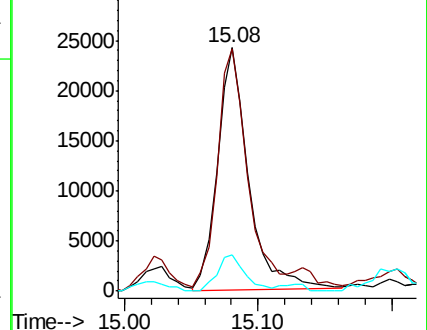
167 15.0 10.7 16.1

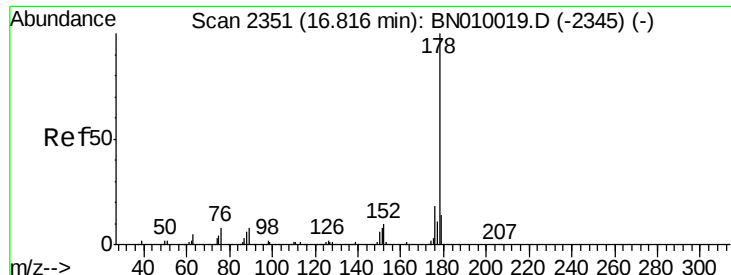


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





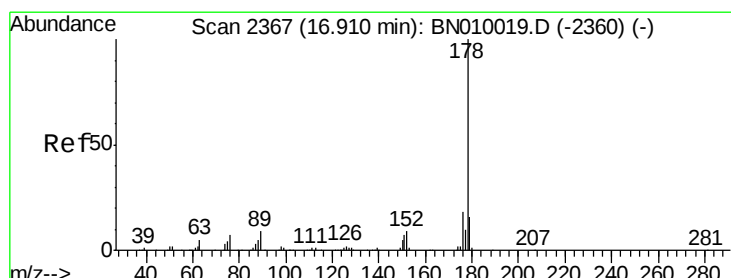
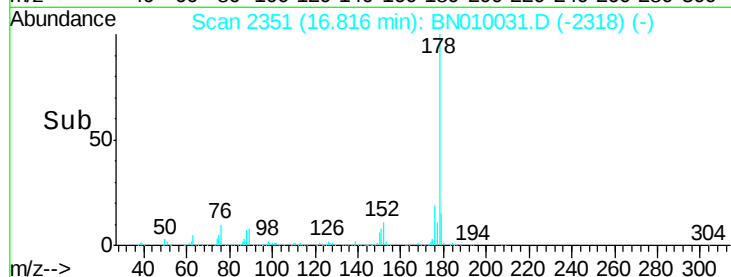
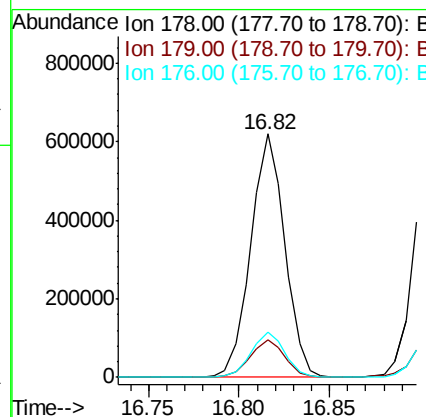
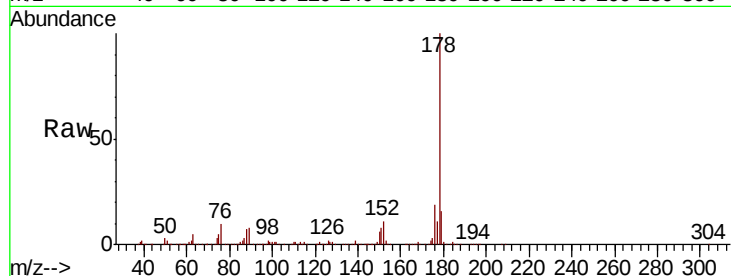
#70
Phenanthrene
Concen: 34.414 ng/ul
RT: 16.82 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Instrument :
BNA_N
ClientSampleId :
DBDN2

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7
176	18.8	14.6	22.0

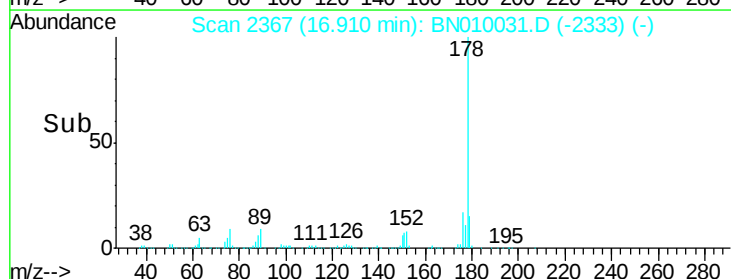
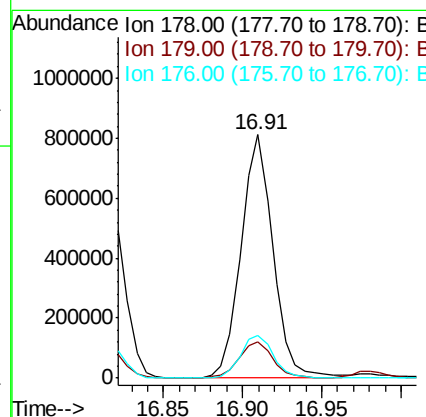
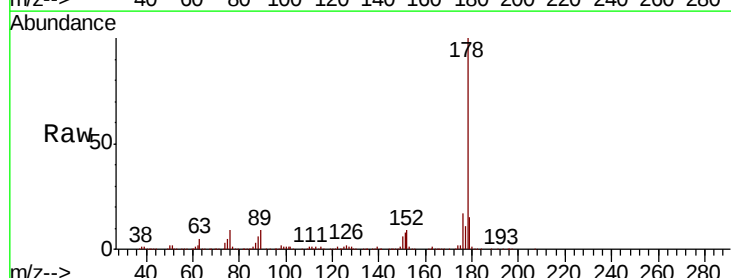
Manual Integrations
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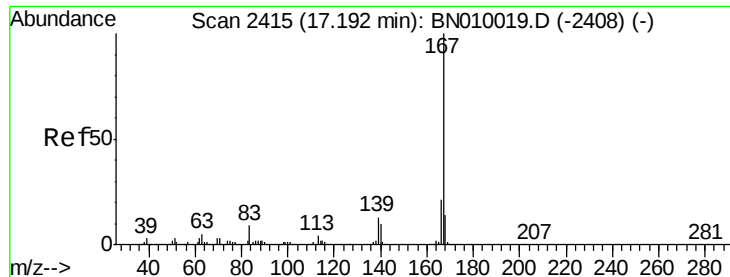
mohammad
3/3/2020 5:00:29 PM



#72
Anthracene
Concen: 46.835 ng/ul
RT: 16.91 min Scan# 2367
Delta R.T. -0.00 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.2
176	17.5	14.6	21.8





#75

Carbazole

Concen: 2.508 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

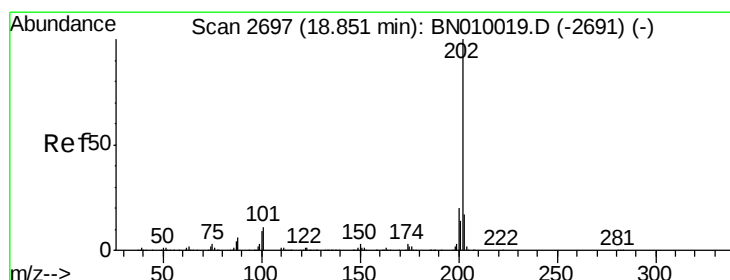
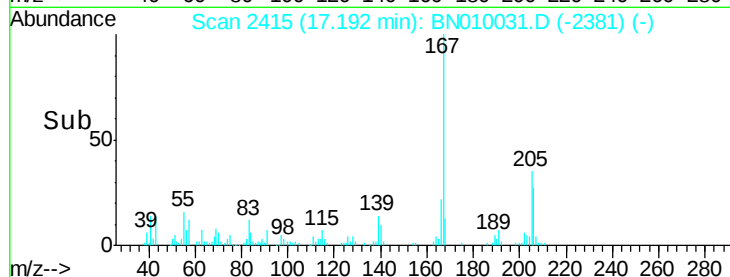
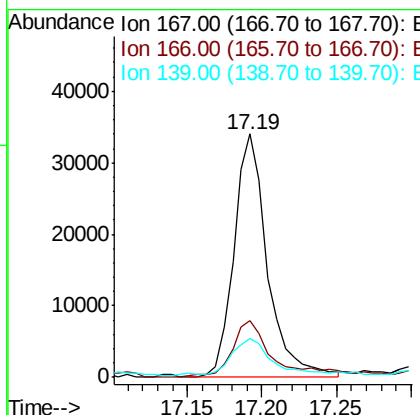
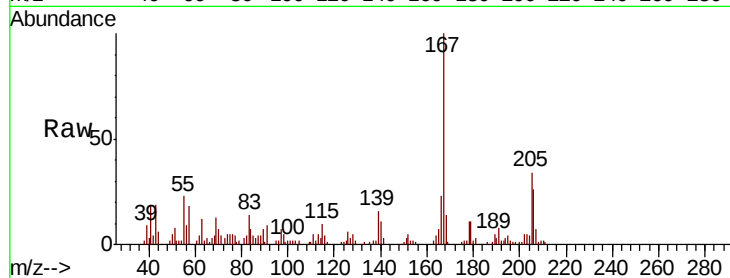
ClientSampleId :

DBDN2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		53076		
166	23.2	16.6		24.8	
139	15.8	9.9		14.9	

Manual Integrations
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#77

Fluoranthene

Concen: 169.885 ng/ul

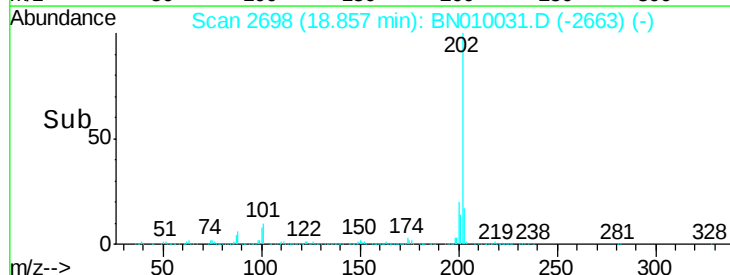
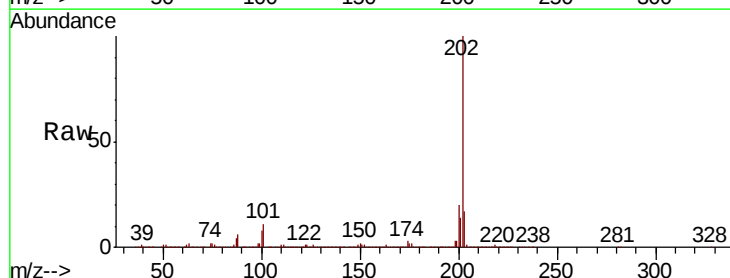
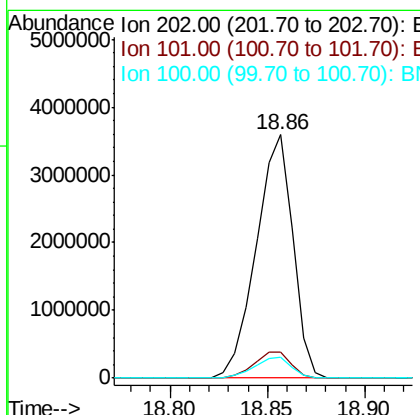
RT: 18.86 min Scan# 2698

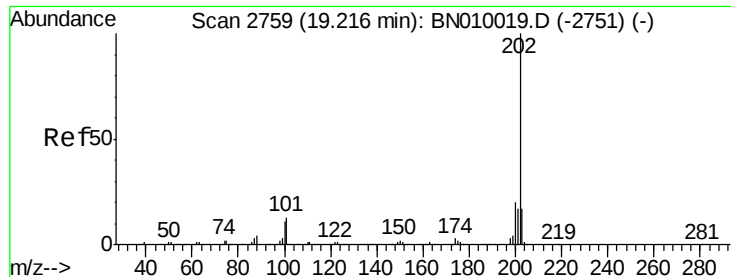
Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		4678706		
101	10.6	9.4		14.2	
100	8.4	7.2		10.8	





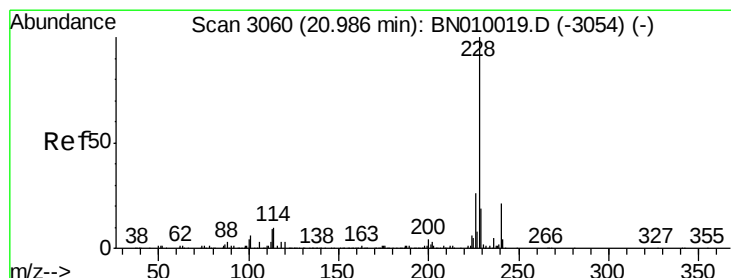
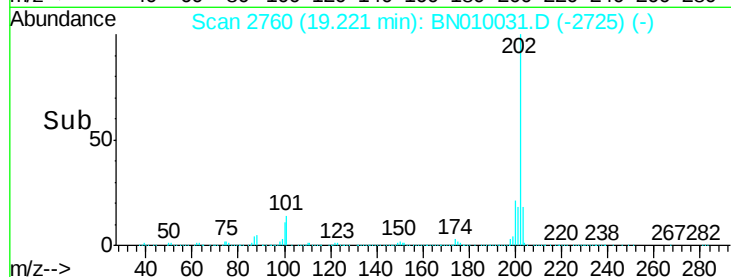
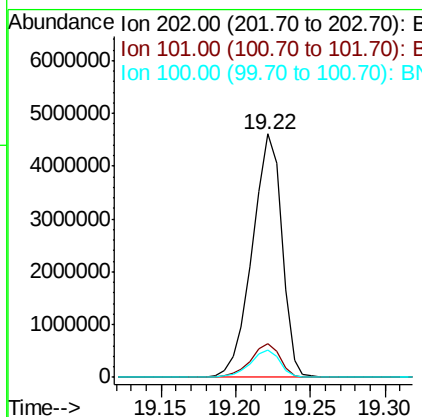
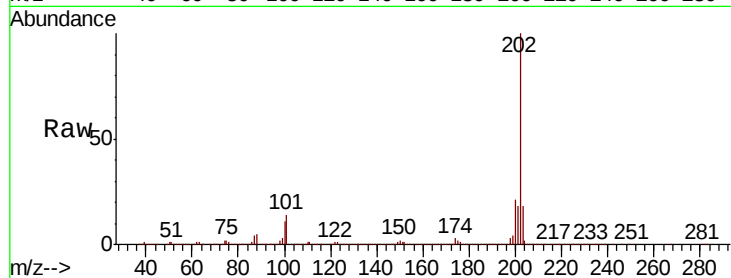
#80
Pvrene
Concen: 236.734 ng/ul
RT: 19.22 min Scan# 2760
Delta R.T. 0.01 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Instrument :
BNA_N
ClientSampleId :
DBDN2

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.3	16.9
100	11.4	9.0	13.6

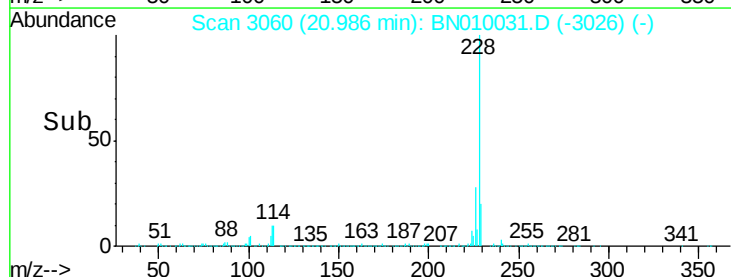
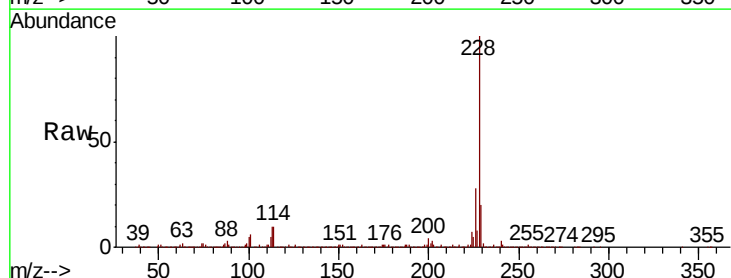
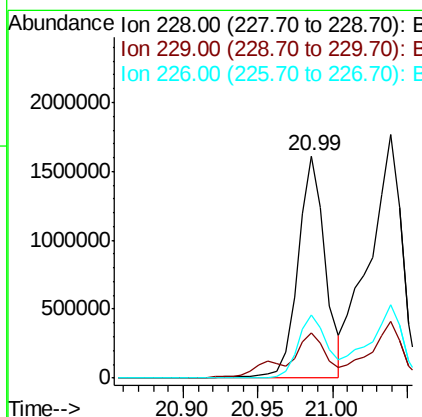
Manual Integrations
APPROVED

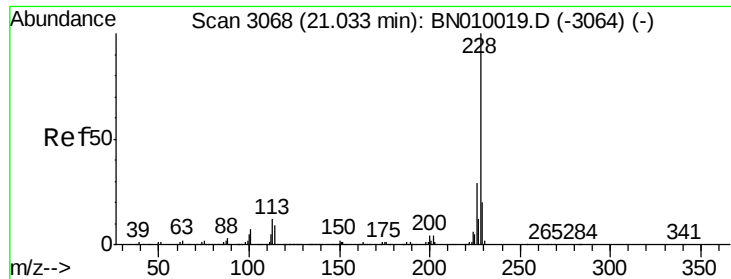
mohammad
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#83
Benzo(a)anthracene
Concen: 79.987 ng/ul
RT: 20.99 min Scan# 3060
Delta R.T. -0.00 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.0	22.4
226	28.4	21.4	32.2





#85

Chrysene

Concen: 105.292 ng/ul m

RT: 21.04 min Scan# 3069

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampleId :

DBDN2

Tot Ion:228 Resp: 2632373

Ion Ratio Lower Upper

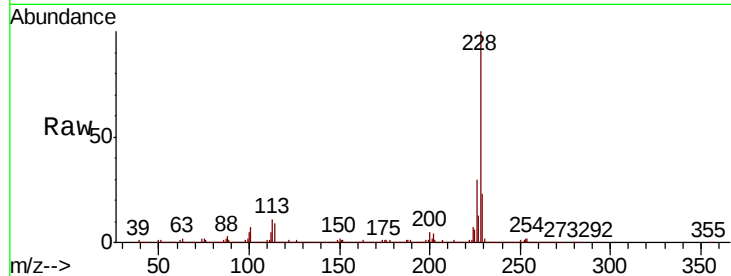
228 100

226 30.3 23.4 35.2

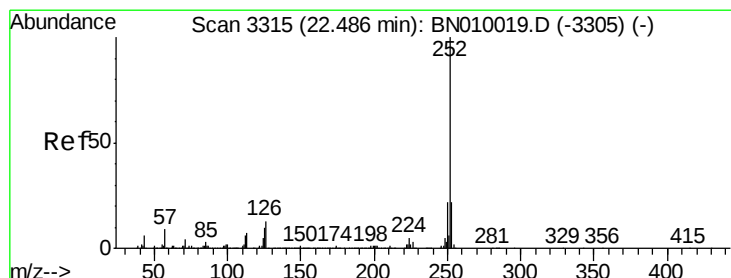
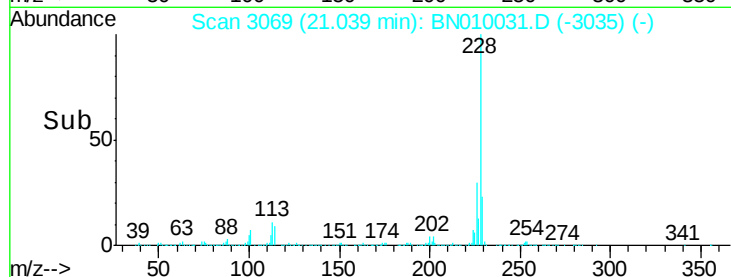
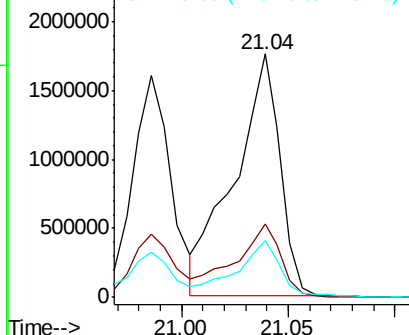
229 23.1 15.0 22.4#

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3/3/2020 5:00:29 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



#88

Benzo(b)fluoranthene

Concen: 119.308 ng/ul

RT: 22.49 min Scan# 3316

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

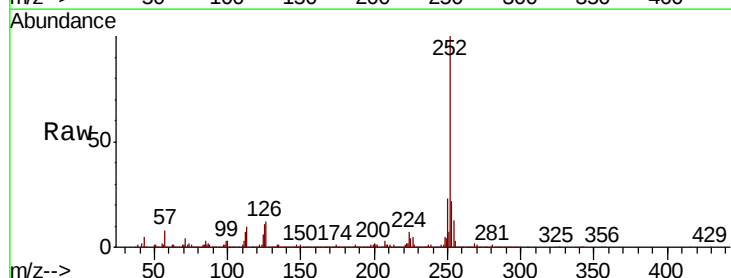
Tgt Ion:252 Resp: 3129060

Ion Ratio Lower Upper

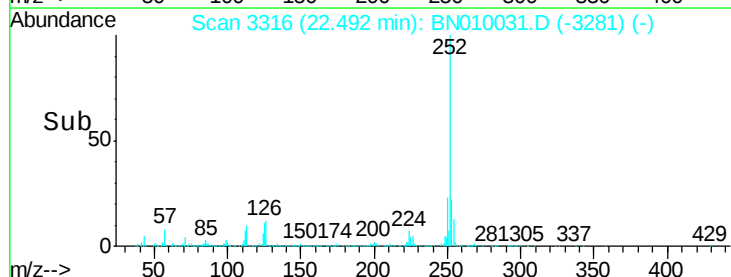
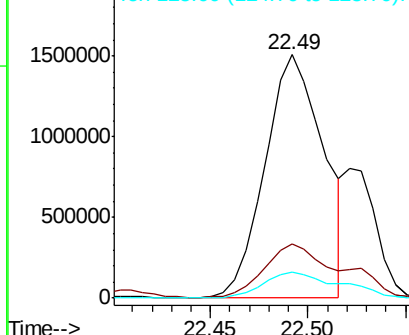
252 100

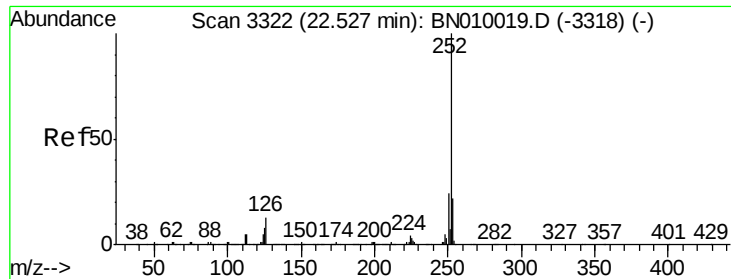
253 22.3 17.0 25.4

125 10.7 8.0 12.0



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





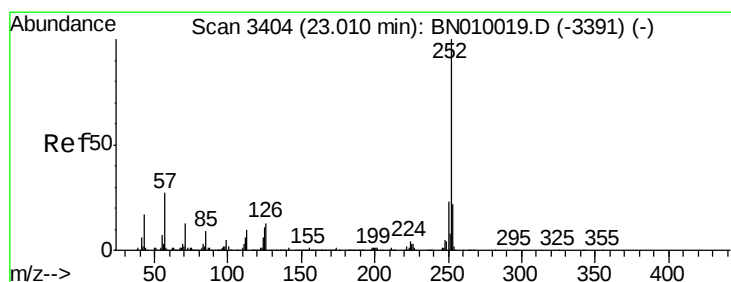
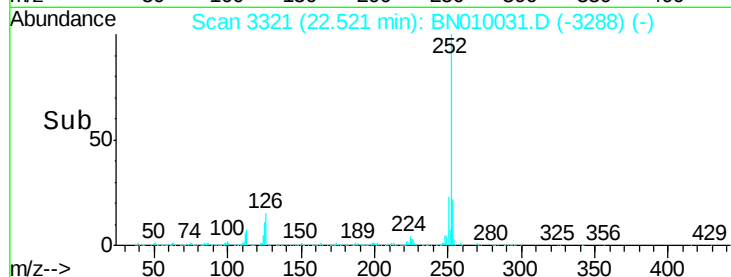
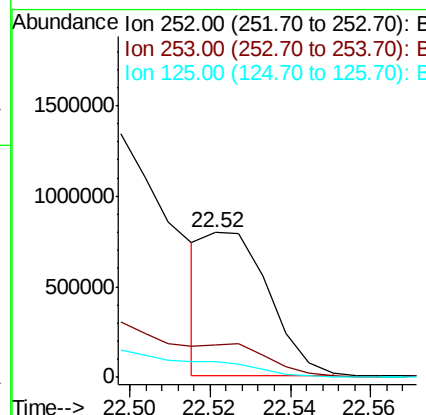
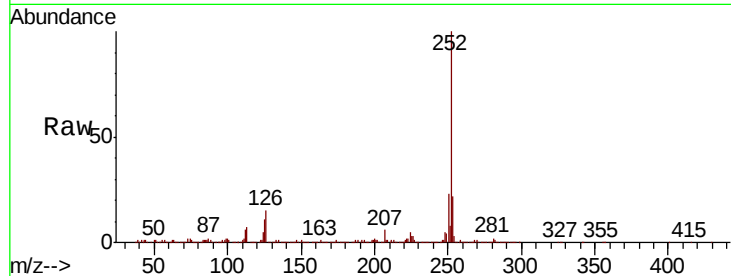
#89
Benzo(k)fluoranthene
Concen: 34.386 ng/ul m
RT: 22.52 min Scan# 3321
Delta R.T. -0.01 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Instrument :
BNA_N
ClientSampleId :
DBDN2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.8	8.2	12.2

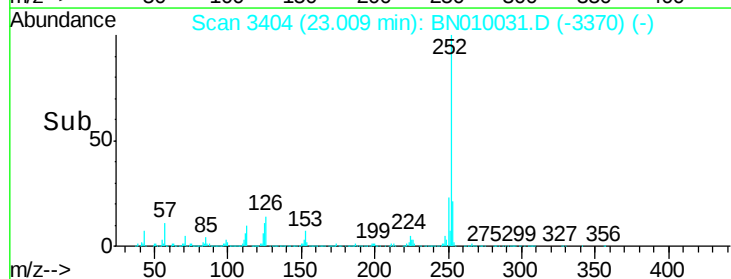
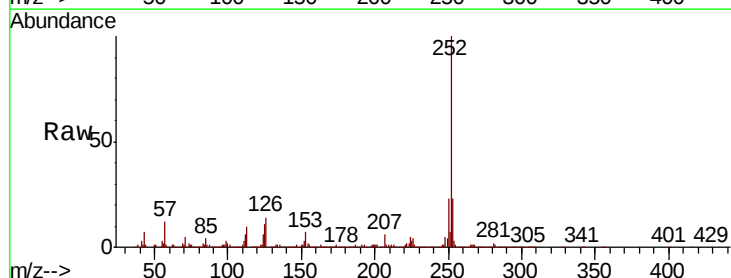
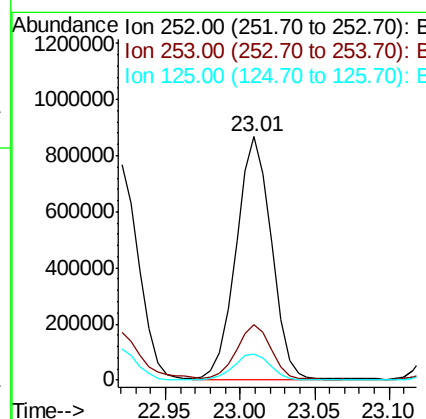
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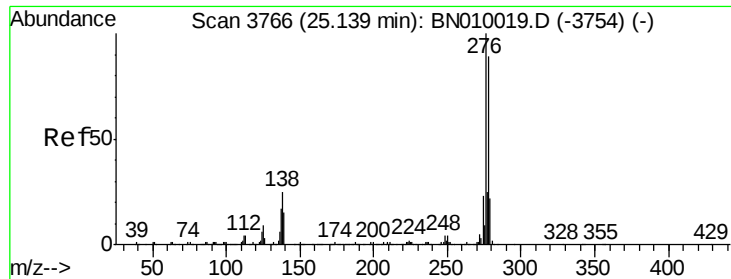
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#91
Benzo(a)pyrene
Concen: 60.116 ng/ul
RT: 23.01 min Scan# 3404
Delta R.T. -0.00 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	10.8	9.0	13.6





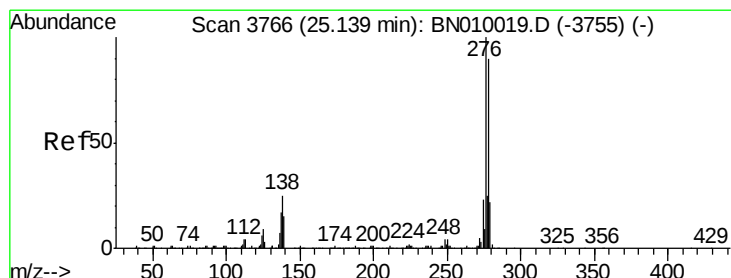
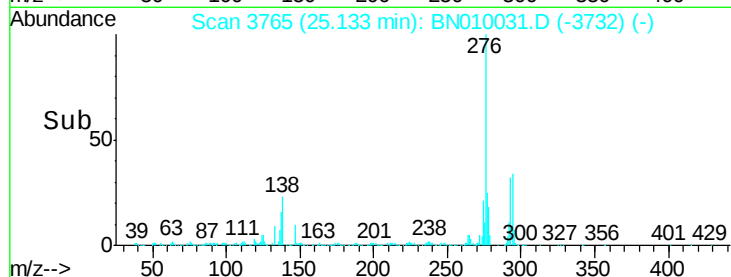
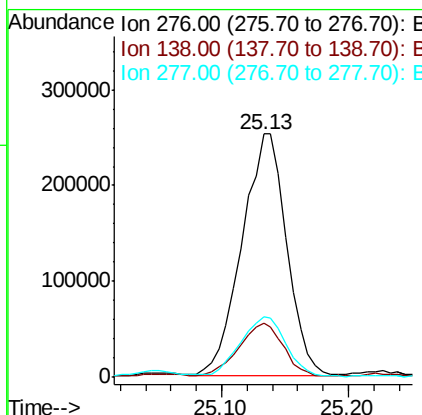
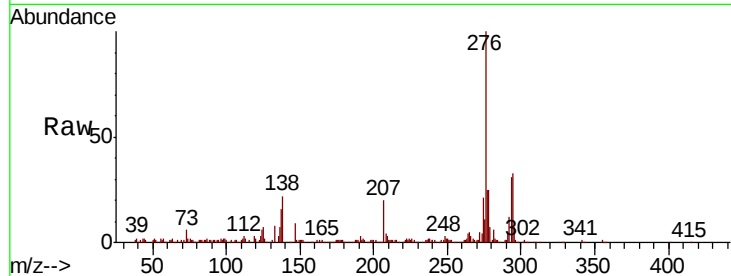
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 22.205 ng/ul
 RT: 25.13 min Scan# 3765
 Delta R.T. -0.01 min
 Lab File: BN010031.D
 Acq: 29 Feb 2020 19:00

Instrument :
 BNA_N
 ClientSampleId :
 DBDN2

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.9	31.3
277	24.7	18.2	27.4

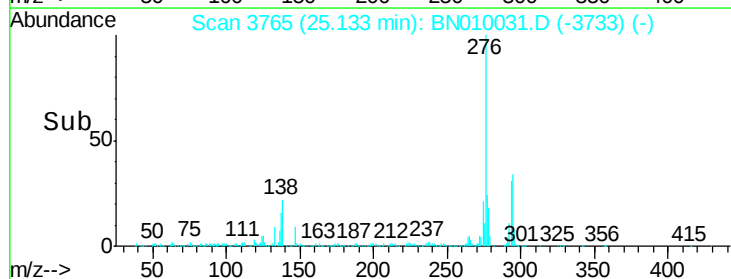
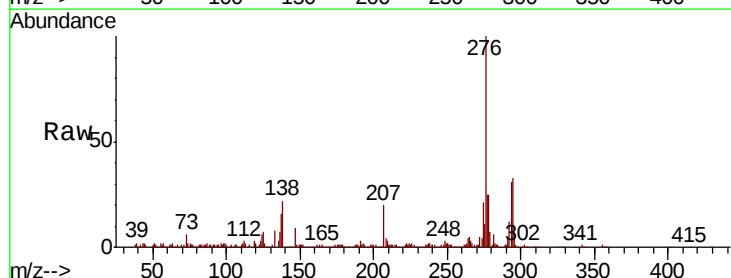
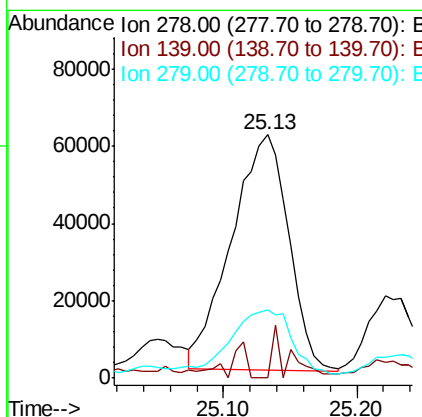
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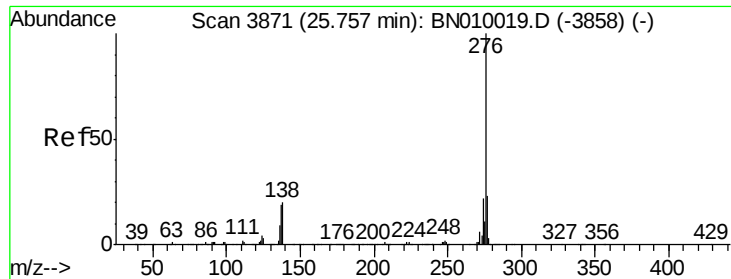
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#93
 Dibenzo(a,h)anthracene
 Concen: 7.542 ng/ul
 RT: 25.13 min Scan# 3765
 Delta R.T. -0.01 min
 Lab File: BN010031.D
 Acq: 29 Feb 2020 19:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	28.2	17.5	26.3#





#94
 Benzo(a,h,i)perylene
 Concen: 15.093 ng/ul
 RT: 25.75 min Scan# 3870
 Delta R.T. -0.01 min
 Lab File: BN010031.D
 Acq: 29 Feb 2020 19:00

Instrument :
 BNA_N
 ClientSampleId :
 DBDN2

Tot Ion:	276	Resp:	354415
Ion Ratio	Lower	Upper	
276	100		
138	22.7	17.5	26.3
277	23.9	18.1	27.1

Manual Integrations
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