

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010011.D
 Acq On : 29 Feb 2020 06:55
 Operator : CG/JU
 Sample : L1507-22DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB5R8

Manual Integrations
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Quant Time: Mar 02 09:13:39 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	7.38	152	120011	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	517636	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	320668	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	624464	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	560575	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	575546	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.62	99	1750	0.17	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	6.76	67	1515	0.22	ng/ul	0.02
9) 2-Chlorophenol-d4	6.93	132	1939m	0.25	ng/ul	0.01
13) 4-Methylphenol-d8	8.13	113	1540	0.19	ng/ul	0.04
19) Nitrobenzene-d5	8.55	128	671	0.18	ng/ul	0.02
22) 2-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	9.80	165	1971	0.25	ng/ul	0.04
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.45	166	8742	0.36	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	9932	0.35	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.03	176	8801	0.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	16.88	188	15420	0.54	ng/ul	0.00
79) Pyrene-d10	19.20	212	14338	0.49	ng/ul	0.01
90) Benzo(a)pyrene-d12	22.97	264	11549	0.40	ng/ul	0.00

Target Compounds

					Ovalue	
48) Acenaphthylene	13.73	152	336081	11.007	ng/ul	98
50) Acenaphthene	14.09	153	4679751	223.580	ng/ul	98
54) Dibenzofuran	14.42	168	2318743	78.926	ng/ul	96
59) Fluorene	15.09	166	4090761	165.918	ng/ul	96
70) Phenanthrene	16.85	178	14880192	417.534	ng/ul	96
72) Anthracene	16.92	178	1921007	52.728	ng/ul	99
75) Carbazole	17.19	167	80803	2.519	ng/ul#	85
77) Fluoranthene	18.87	202	21295989m	510.142	ng/ul	
80) Pyrene	19.25	202	16280346	402.830	ng/ul#	92
83) Benzo(a)anthracene	20.99	228	2712939	70.424	ng/ul	99
85) Chrysene	21.05	228	2213596	58.367	ng/ul	99
88) Benzo(b)fluoranthene	22.49	252	925988	24.815	ng/ul	94
89) Benzo(k)fluoranthene	22.53	252	277009m	7.840	ng/ul	
91) Benzo(a)pyrene	23.01	252	313047	9.327	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.14	276	115109	2.889	ng/ul	93
93) Dibenzo(a,h)anthracene	25.13	278	38998	1.144	ng/ul#	84
94) Benzo(g,h,i)perylene	25.76	276	76399	2.287	ng/ul	95

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

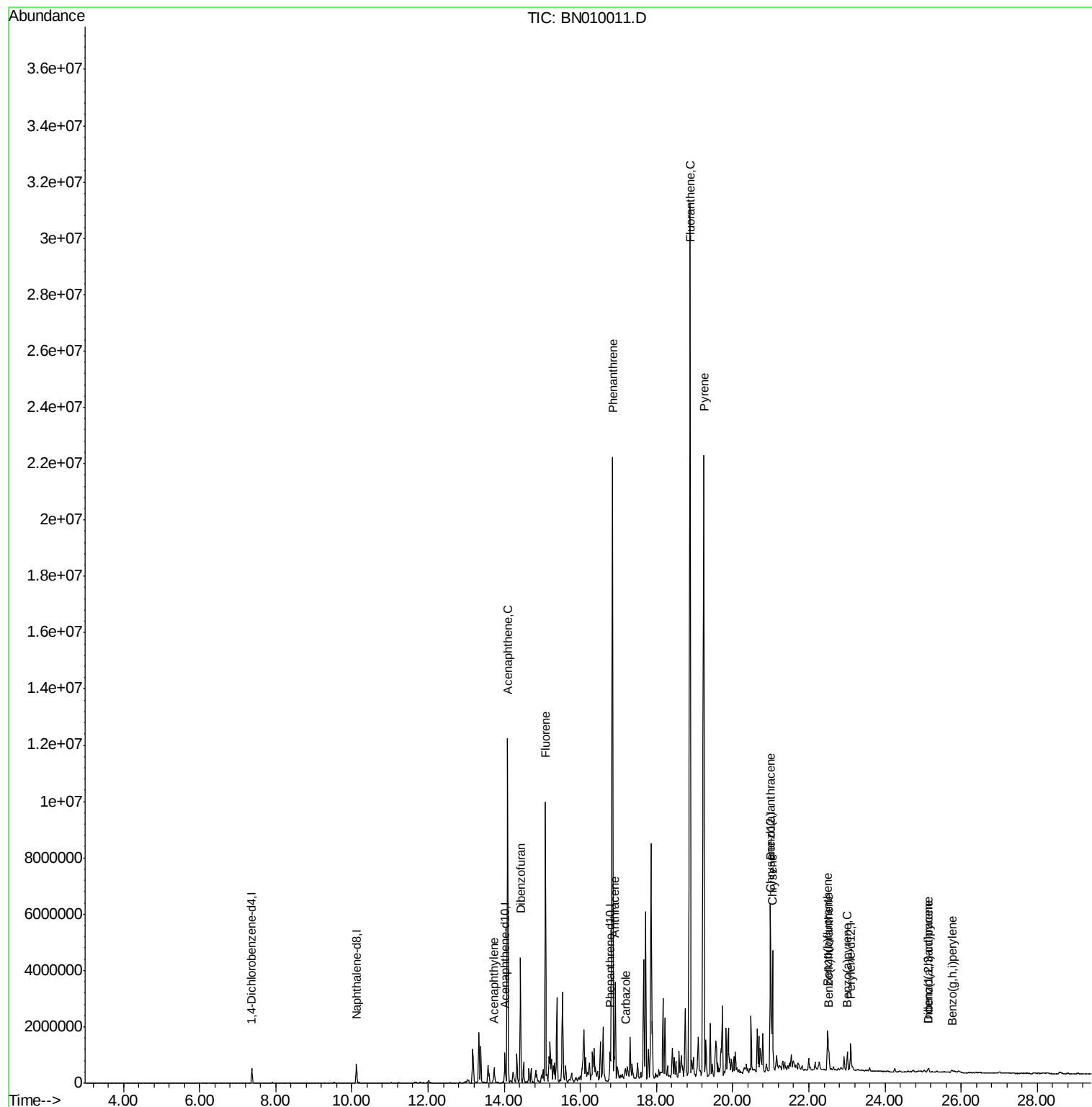
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010011.D
Acq On : 29 Feb 2020 06:55
Operator : CG/JU
Sample : L1507-22DL 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

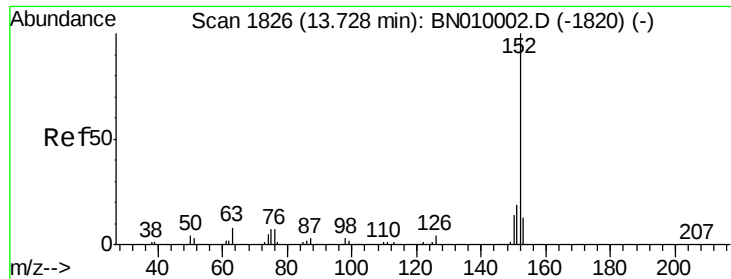
Instrument :
BNA_N
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CB5R8

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Quant Time: Mar 02 09:13:39 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





#48

Acenaphthylene

Concen: 11.007 ng/ul

RT: 13.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

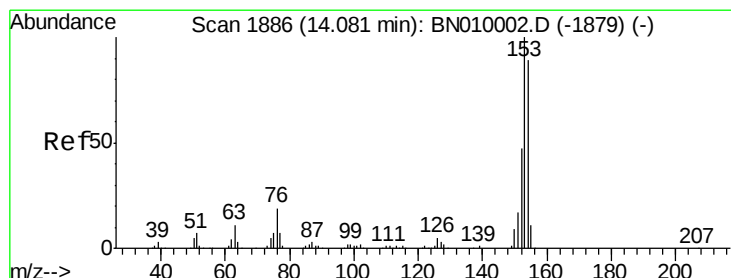
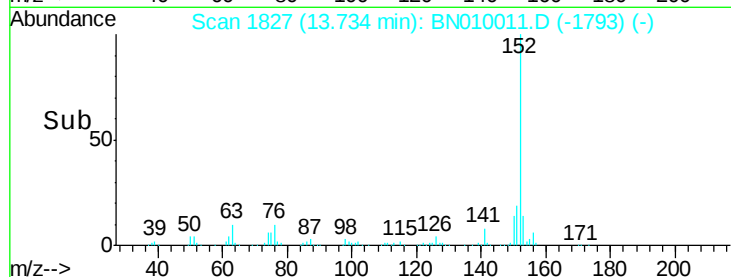
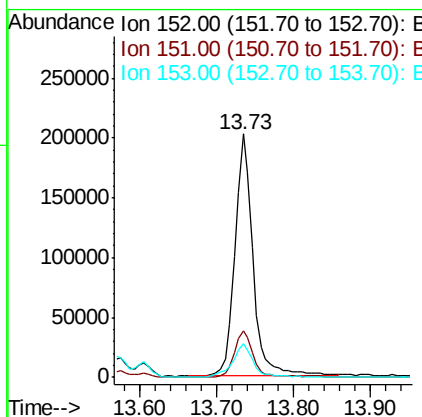
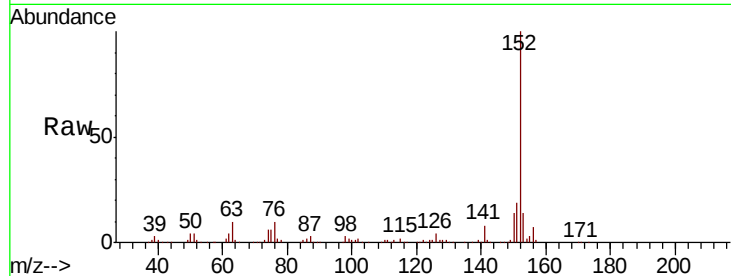
ClientSampleId :

CB5R8

Tot Ion:	152	Resp:	336081
Ion Ratio	Lower	Upper	
152	100		
151	18.9	15.7	23.5
153	14.0	10.3	15.5

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#50

Acenaphthene

Concen: 223.580 ng/ul

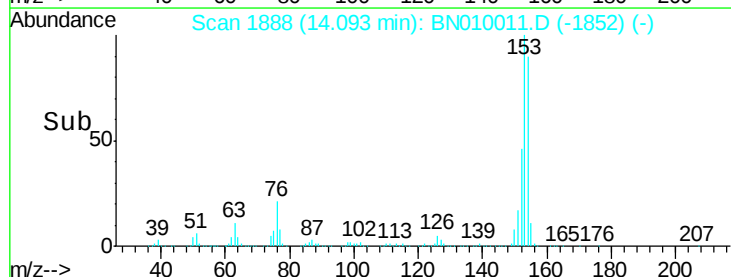
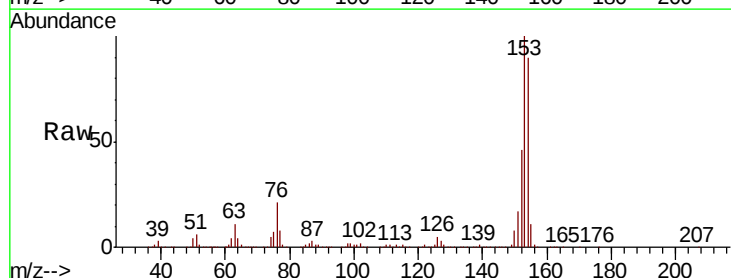
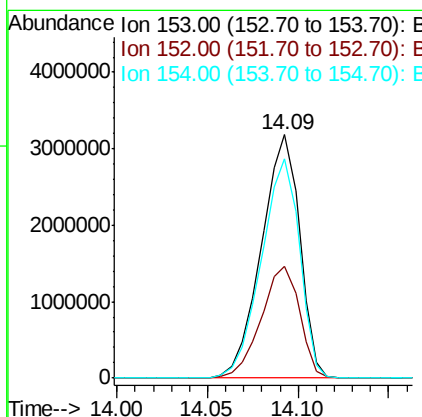
RT: 14.09 min Scan# 1888

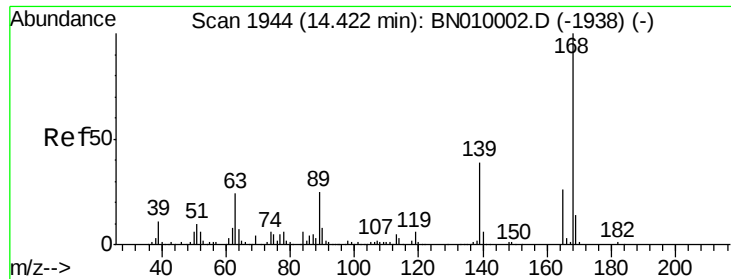
Delta R.T. 0.01 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Tgt Ion:	153	Resp:	4679751
Ion Ratio	Lower	Upper	
153	100		
152	46.1	36.6	54.8
154	90.1	70.6	106.0





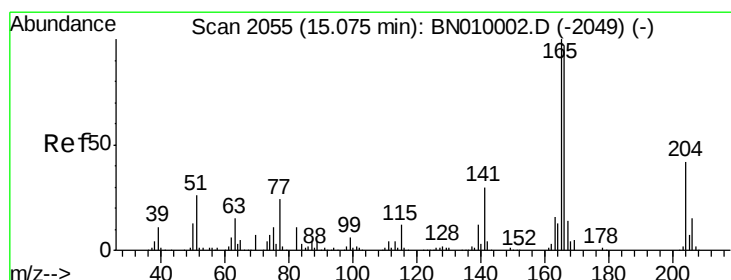
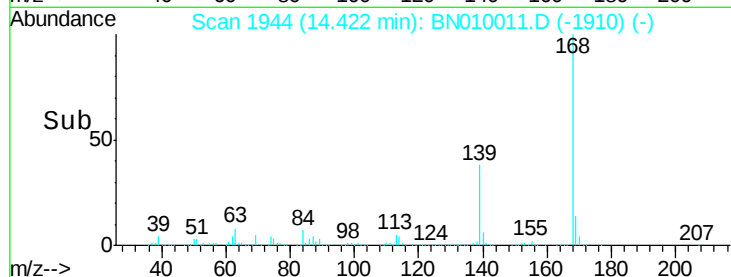
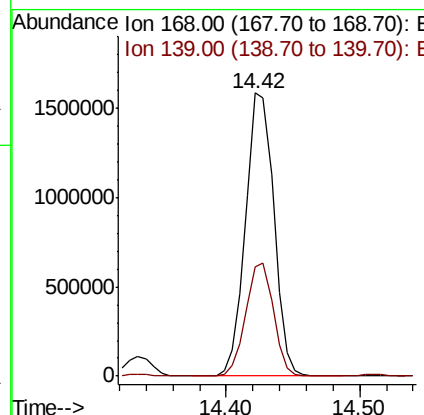
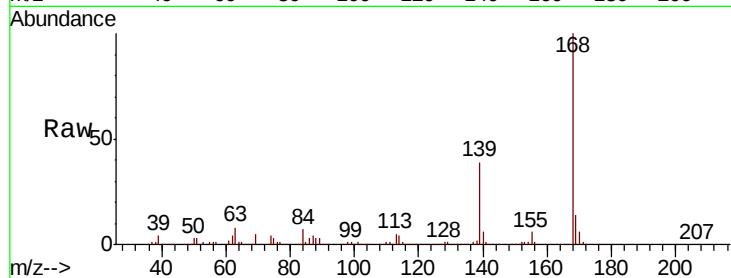
#54
Dibenzenofuran
Concen: 78.926 ng/ul
RT: 14.42 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Instrument :
BNA_N
ClientSampleId :
CB5R8

Tot Ion:168 Resp: 2318743
Ion Ratio Lower Upper
168 100
139 38.7 32.7 49.1

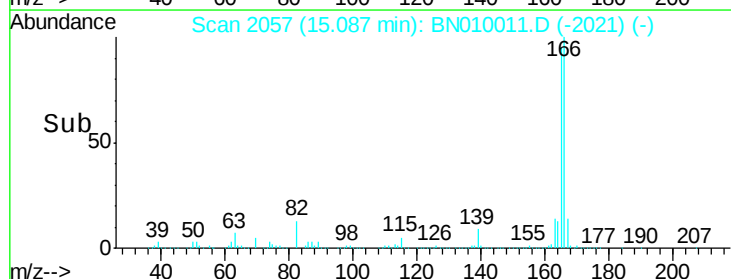
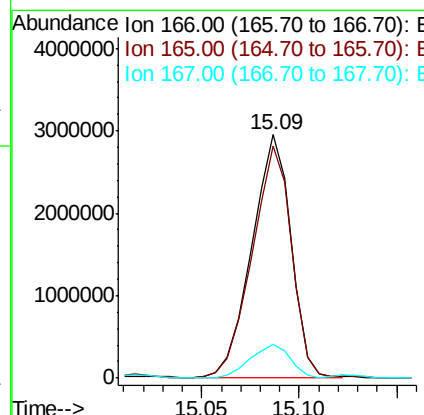
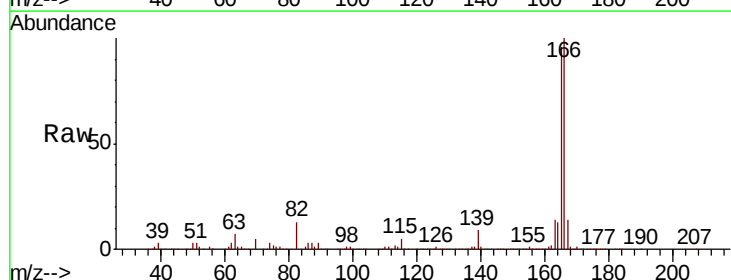
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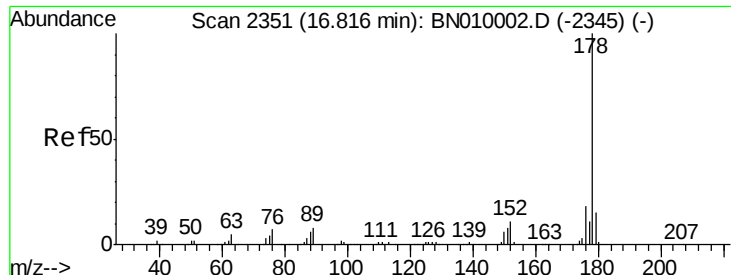
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#59
Fluorene
Concen: 165.918 ng/ul
RT: 15.09 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Tgt Ion:166 Resp: 4090761
Ion Ratio Lower Upper
166 100
165 95.5 79.8 119.8
167 13.9 10.7 16.1





#70

Phenanthrene

Concen: 417.534 ng/ul

RT: 16.85 min Scan# 2356

Delta R.T. 0.02 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

ClientSampleId :

CB5R8

Tot Ion:178 Resp:14880192

Ion Ratio Lower Upper

178 100

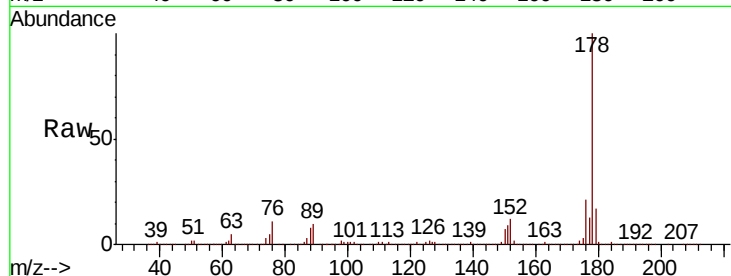
179 16.9 12.5 18.7

176 20.8 14.6 22.0

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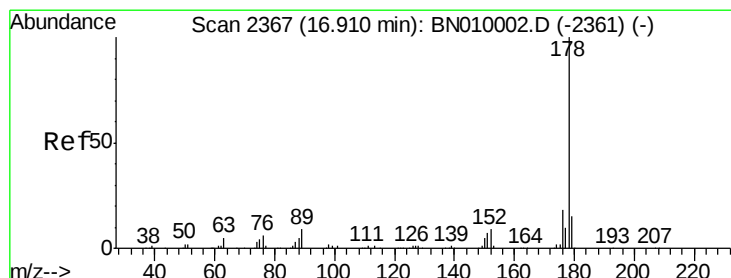
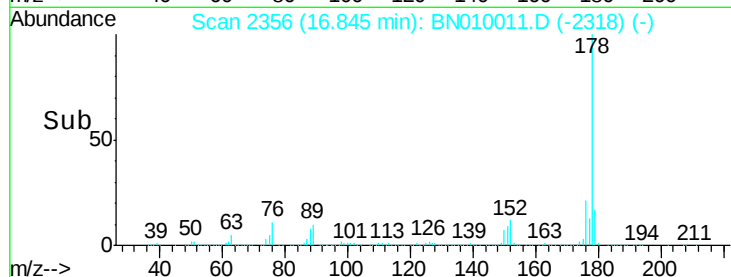
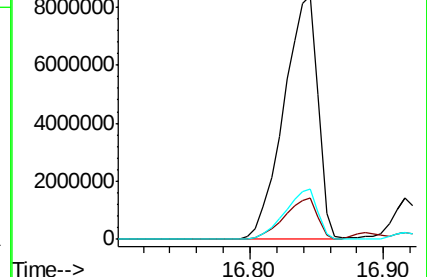
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 52.728 ng/ul

RT: 16.92 min Scan# 2368

Delta R.T. 0.01 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Tgt Ion:178 Resp: 1921007

Ion Ratio Lower Upper

178 100

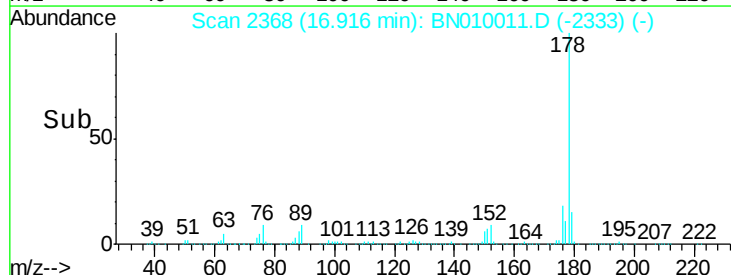
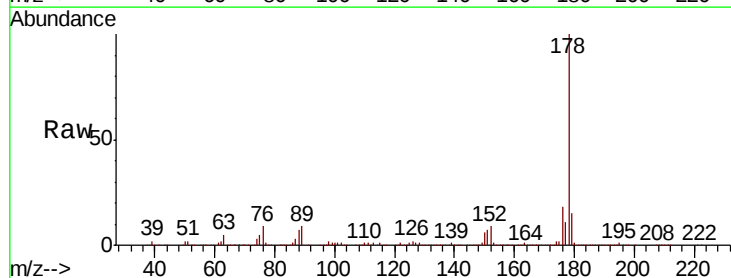
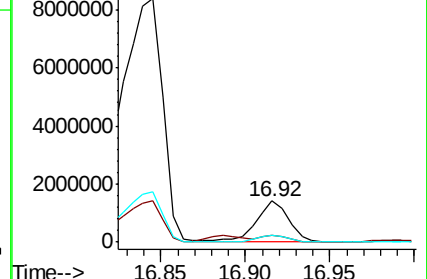
179 15.4 12.2 18.2

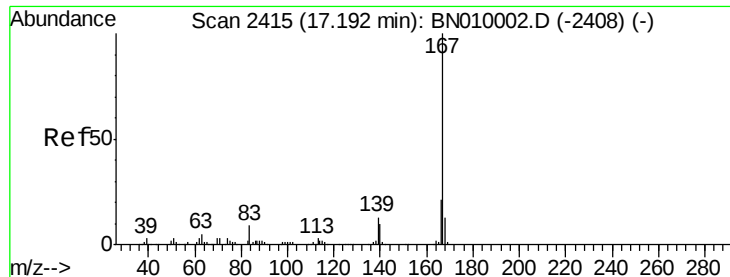
176 17.8 14.6 21.8

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





#75

Carbazole

Concen: 2.519 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.00 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

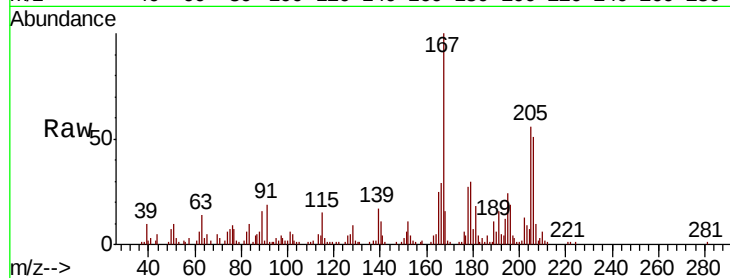
ClientSampleId :

CB5R8

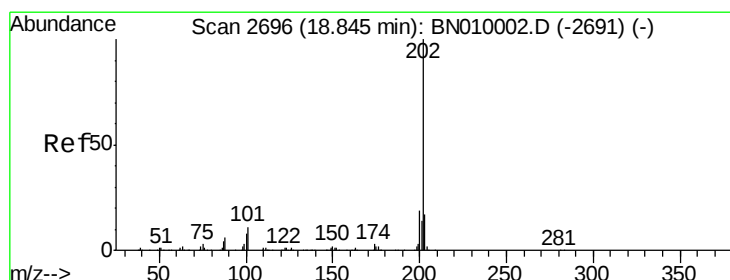
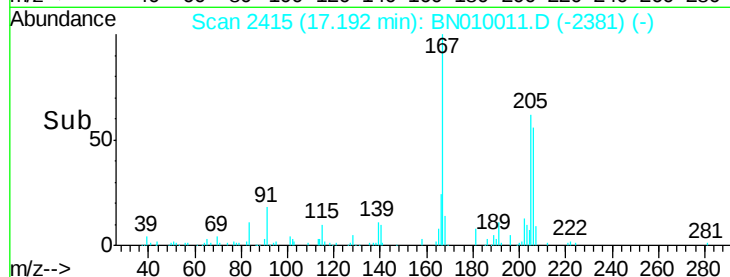
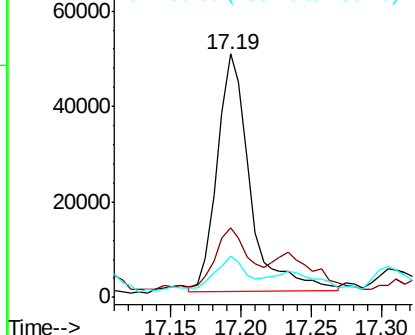
Tot Ion:	167	Resp:	80803
Ion Ratio	Lower	Upper	
167	100		
166	28.5	16.6	24.8#
139	16.8	9.9	14.9#

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 510.142 ng/ul m

RT: 18.87 min Scan# 2701

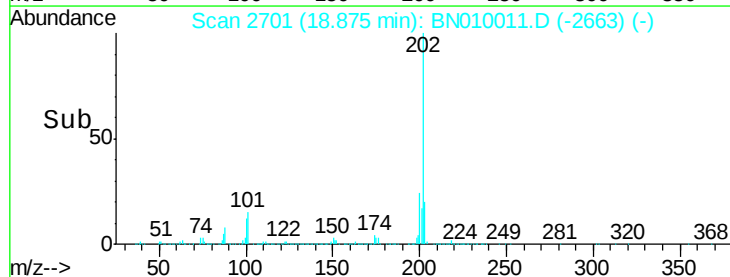
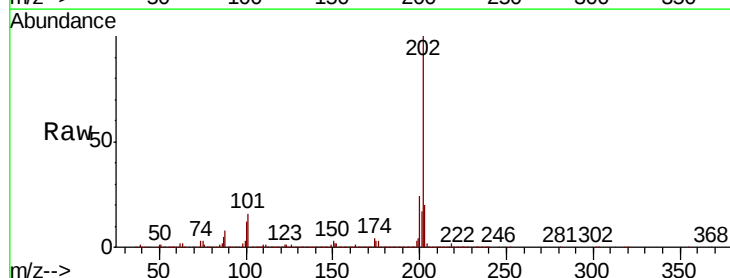
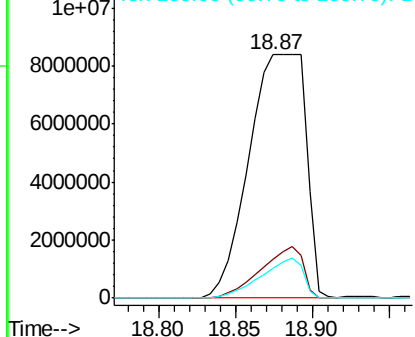
Delta R.T. 0.02 min

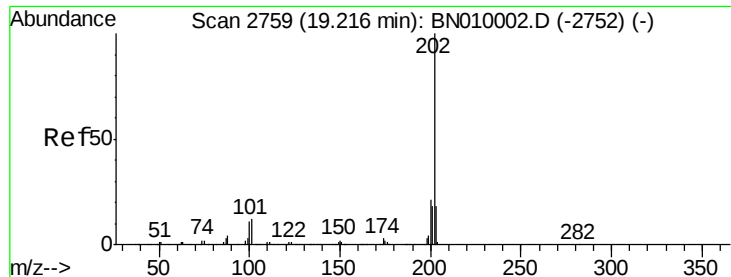
Lab File: BN010011.D

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Tgt Ion:	202	Resp:	21295989
Ion Ratio	Lower	Upper	
202	100		
101	15.7	9.4	14.2#
100	12.1	7.2	10.8#

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





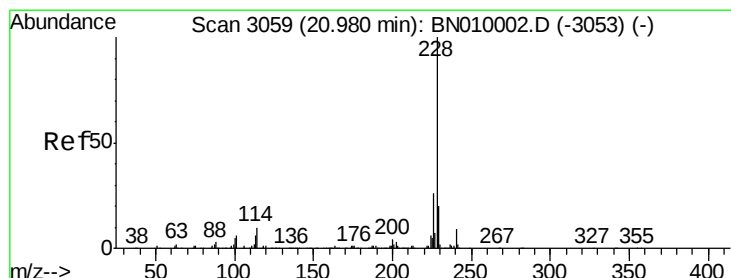
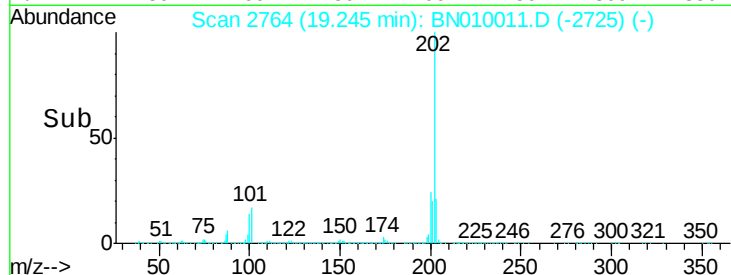
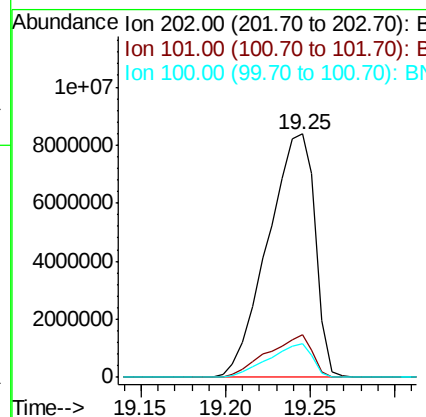
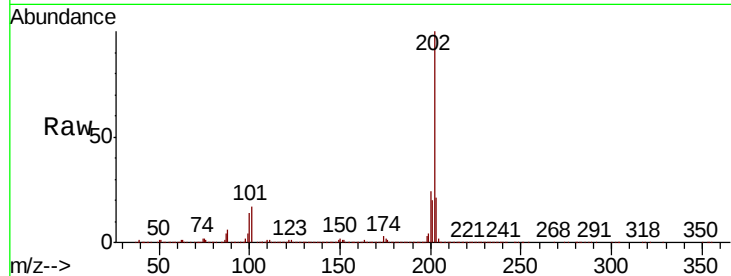
#80
Pvrene
Concen: 402.830 ng/ul
RT: 19.25 min Scan# 2764
Delta R.T. 0.03 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Instrument :
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Tot Ion	Ratio	Lower	Upper
202	100		
101	17.4	11.3	16.9#
100	14.0	9.0	13.6#

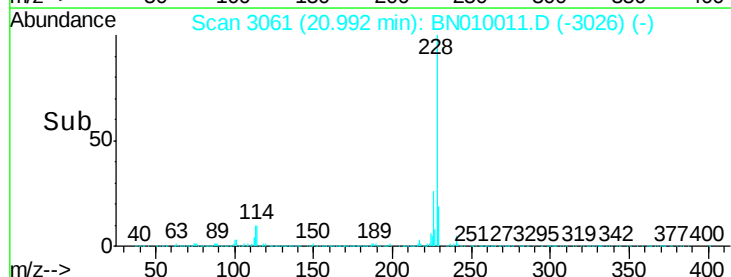
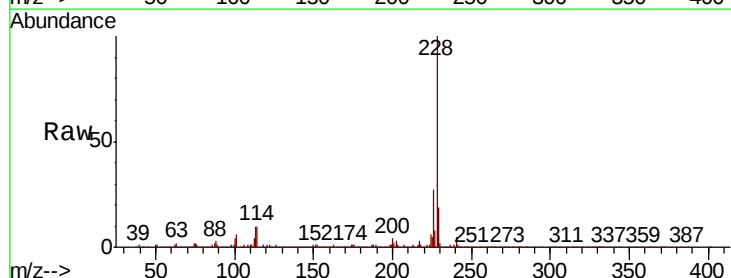
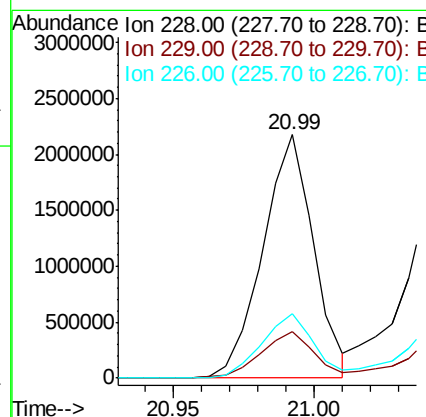
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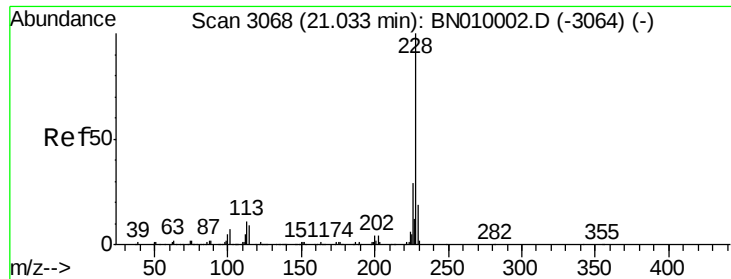
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#83
Benzo(a)anthracene
Concen: 70.424 ng/ul
RT: 20.99 min Scan# 3061
Delta R.T. 0.01 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.0	22.4
226	26.6	21.4	32.2





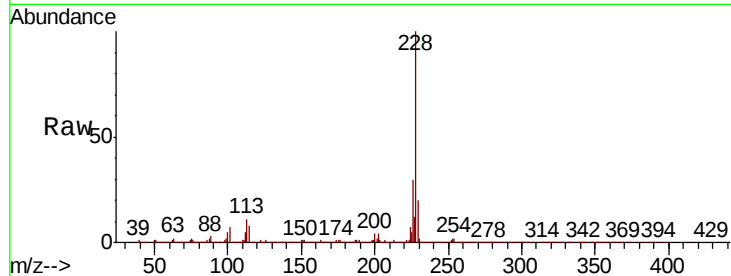
#85
Chrysene
Concen: 58.367 ng/ul
RT: 21.05 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Instrument :
BNA_N
ClientSampleId :
CB5R8

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	19.8	15.0	22.4

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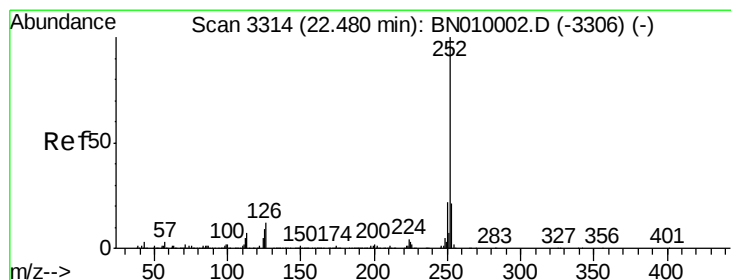
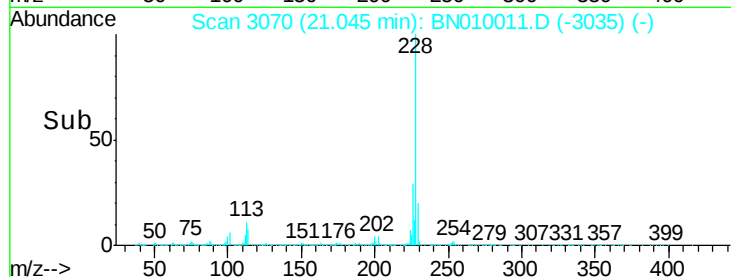
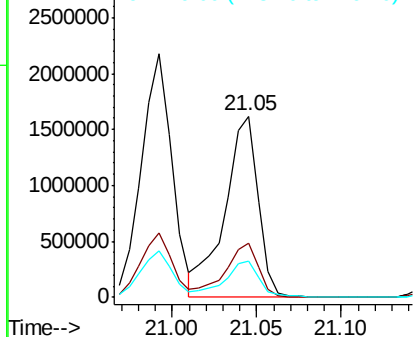


Abundance

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



#88
Benzo(b)fluoranthene
Concen: 24.815 ng/ul
RT: 22.49 min Scan# 3316
Delta R.T. 0.01 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

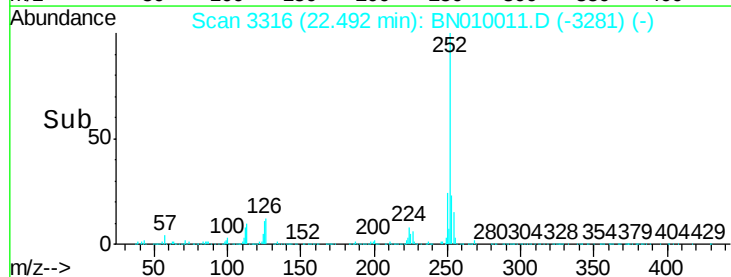
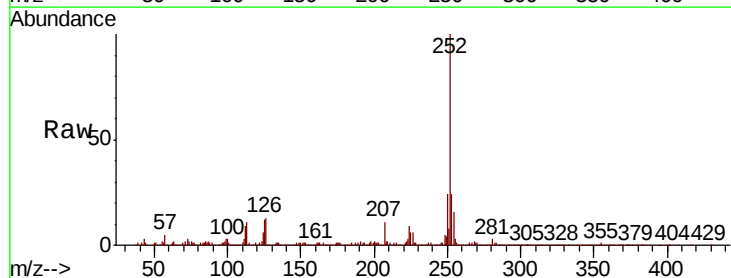
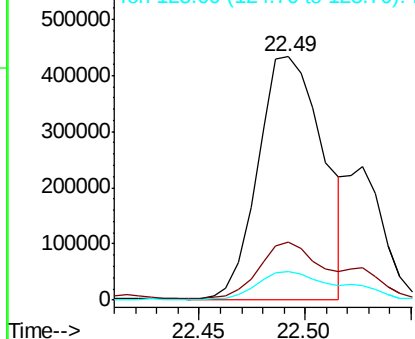
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	12.0	8.0	12.0

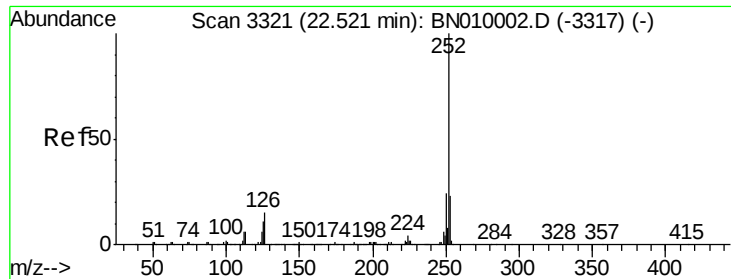
Abundance

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





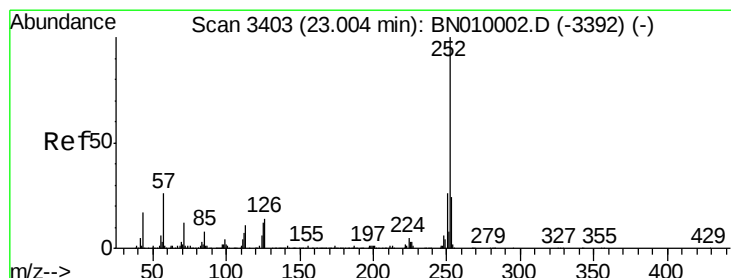
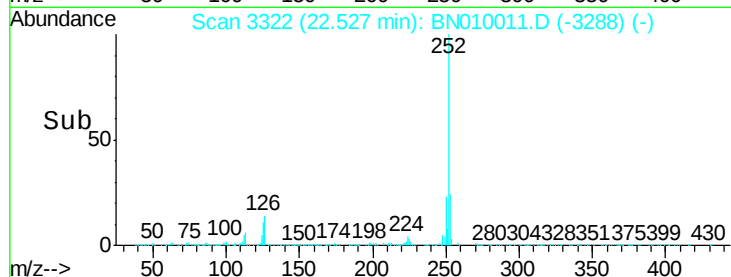
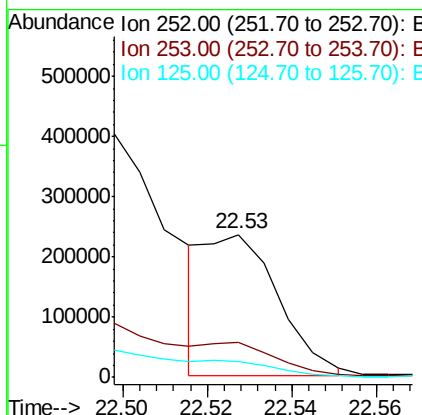
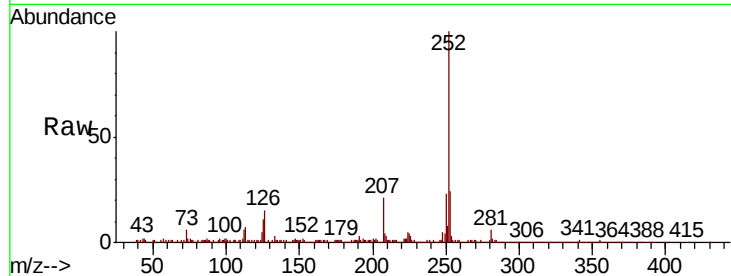
#89
Benzo(k)fluoranthene
Concen: 7.840 ng/ul m
RT: 22.53 min Scan# 3322
Delta R.T. 0.00 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Instrument :
BNA_N
ClientSampled :
CB5R8

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	11.2	8.2	12.2

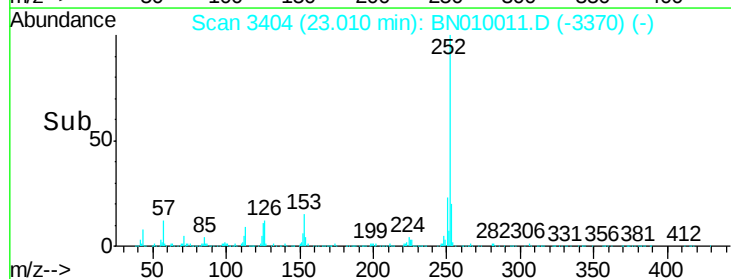
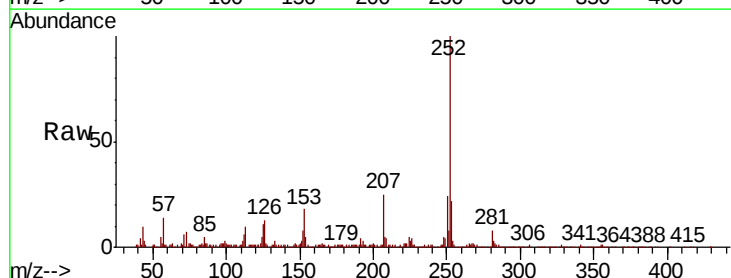
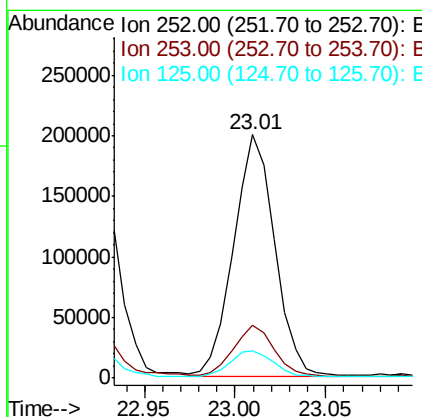
Manual Integrations
APPROVED

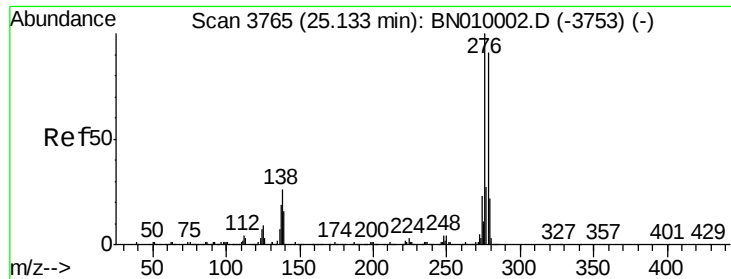
mohammad
3/3/2020 4:59:51 PM



#91
Benzo(a)pyrene
Concen: 9.327 ng/ul
RT: 23.01 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	11.3	9.0	13.6





#92

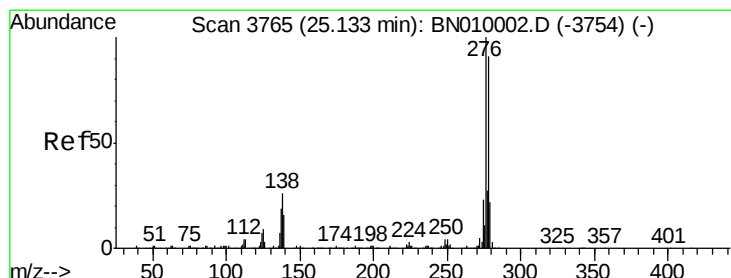
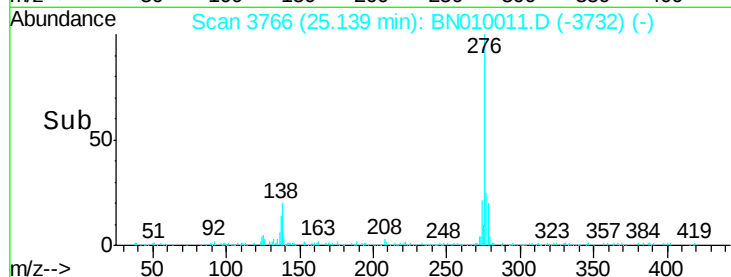
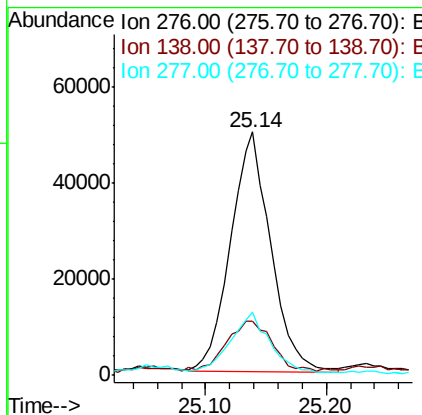
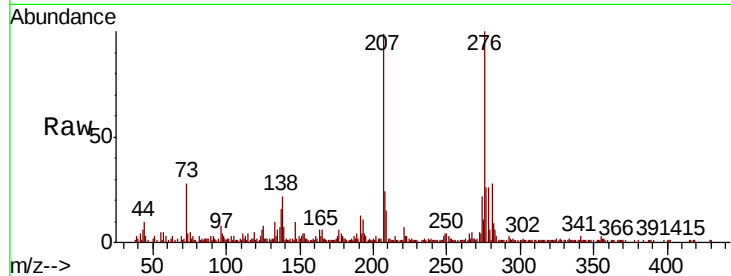
Indeno(1,2,3-cd)pyrene
Concen: 2.889 ng/ul
RT: 25.14 min Scan# 3766
Delta R.T. 0.00 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Instrument :
BNA_N
ClientSampleId :
CB5R8

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.9	31.3
277	25.8	18.2	27.4

Manual Integrations
APPROVED

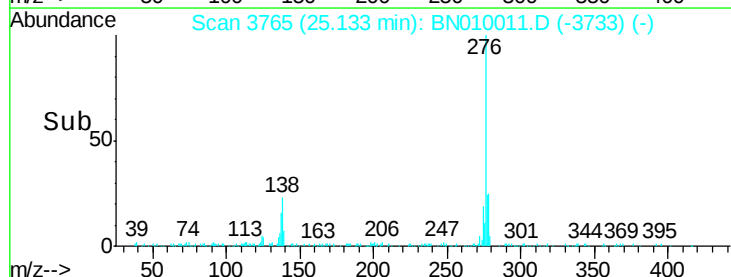
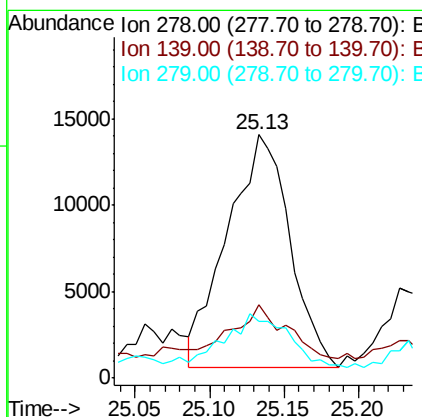
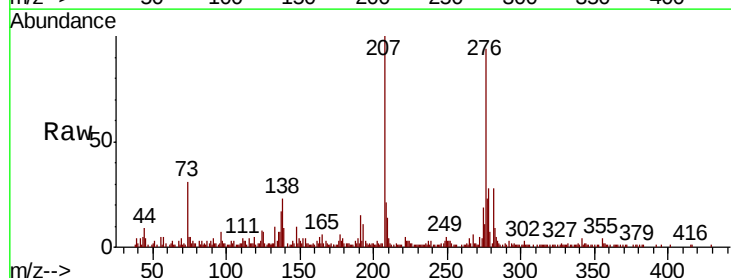
mohammad
3/3/2020 4:59:51 PM

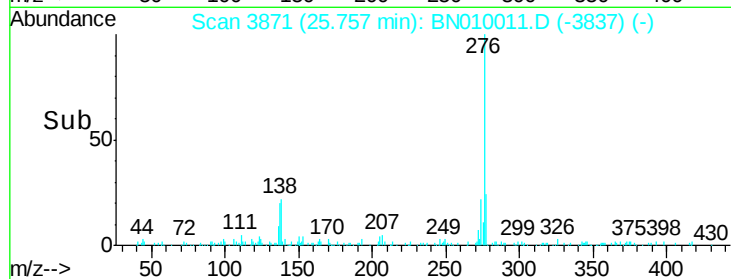
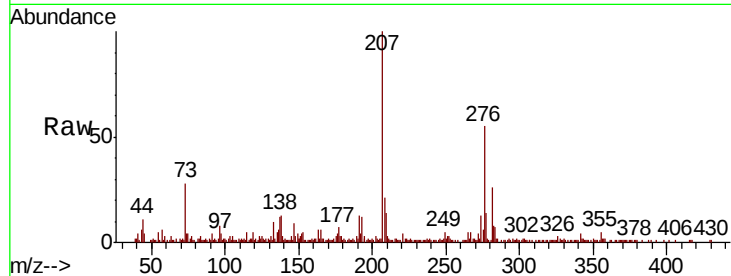
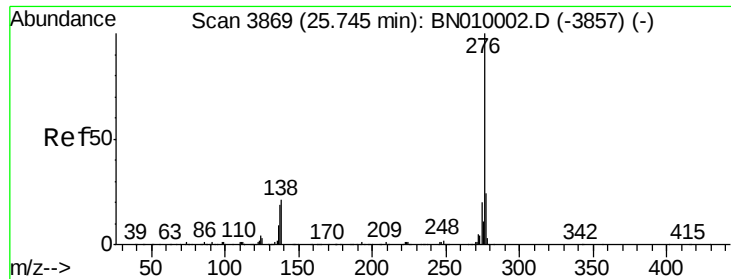


#93

Dibenzo(a,h)anthracene
Concen: 1.144 ng/ul
RT: 25.13 min Scan# 3765
Delta R.T. -0.01 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.4	13.0	19.4#
279	23.5	17.5	26.3





#94
 Benzo(a,h,i)perylene
 Concen: 2.287 ng/ul
 RT: 25.76 min Scan# 3871
 Delta R.T. 0.00 min
 Lab File: BN010011.D
 Acq: 29 Feb 2020 06:55

Instrument :
 BNA_N
 ClientSampleId :
 CB5R8

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	17.5	26.3
277	25.0	18.1	27.1

Manual Integrations
 APPROVED

mohammad
 3/3/2020 4:59:51 PM

