

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010007.D
 Acq On : 29 Feb 2020 04:31
 Operator : CG/JU
 Sample : L1507-17DL 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB5R4DL

Manual Integrations
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Quant Time: Mar 02 10:53:50 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	107810	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	472992	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	324490	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.79	188	601819	20.00	ng/ul	0.02
78) Chrysene-d12	21.02	240	554923	20.00	ng/ul	0.02
86) Perylene-d12	23.10	264	587053	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	268	0.10	ng/uL	0.01
5) Phenol-d5	6.59	99	18090	1.97	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.74	67	13766	2.18	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	14344	2.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	16187	2.22	ng/ul	0.01
19) Nitrobenzene-d5	8.53	128	11510	3.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	7746	2.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	15546	2.14	ng/ul	0.02
29) 4-Chloroaniline-d4	10.29	131	26131	3.20	ng/ul	0.01
44) Dimethylphthalate-d6	13.45	166	51390	2.12	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	63313	2.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	6308	1.43	ng/ul	0.04
58) Fluorene-d10	15.03	176	50064	2.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.24	200	1015	0.27	ng/ul	0.06
71) Anthracene-d10	16.91	188	75428	2.73	ng/ul	0.04
79) Pyrene-d10	19.20	212	78406	2.70	ng/ul	0.02
90) Benzo(a)pyrene-d12	22.97	264	70982	2.42	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.19	128	16099570	631.200	ng/ul	97
34) 2-Methylnaphthalene	11.82	142	12763382	720.655	ng/ul	100
41) 1,1'-Biphenyl	12.84	154	3747761	150.376	ng/ul	99
48) Acenaphthylene	13.73	152	325373	10.531	ng/ul#	87
50) Acenaphthene	14.12	153	19133536	903.359	ng/ul	91
54) Dibenzofuran	14.45	168	16650953	560.097	ng/ul	91
59) Fluorene	15.11	166	15460683	619.686	ng/ul	96
70) Phenanthrene	16.84	178	40445161m	1177.584	ng/ul	
72) Anthracene	16.95	178	7997894	227.789	ng/ul	97
75) Carbazole	17.20	167	3936016	127.298	ng/ul	98
77) Fluoranthene	18.87	202	33613113m	835.494	ng/ul	
80) Pyrene	19.24	202	28927430m	723.051	ng/ul	
83) Benzo(a)anthracene	21.01	228	11715303	307.208	ng/ul	98
85) Chrysene	21.06	228	6712887	178.804	ng/ul	96
88) Benzo(b)fluoranthene	22.50	252	6756865	177.521	ng/ul	97
89) Benzo(k)fluoranthene	22.53	252	2019246m	56.028	ng/ul	
91) Benzo(a)pyrene	23.03	252	3925602	114.671	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.14	276	1148489	28.257	ng/ul#	92
93) Dibenzo(a,h)anthracene	25.14	278	332938m	9.576	ng/ul	
94) Benzo(g,h,i)perylene	25.76	276	876360	25.715	ng/ul	97

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

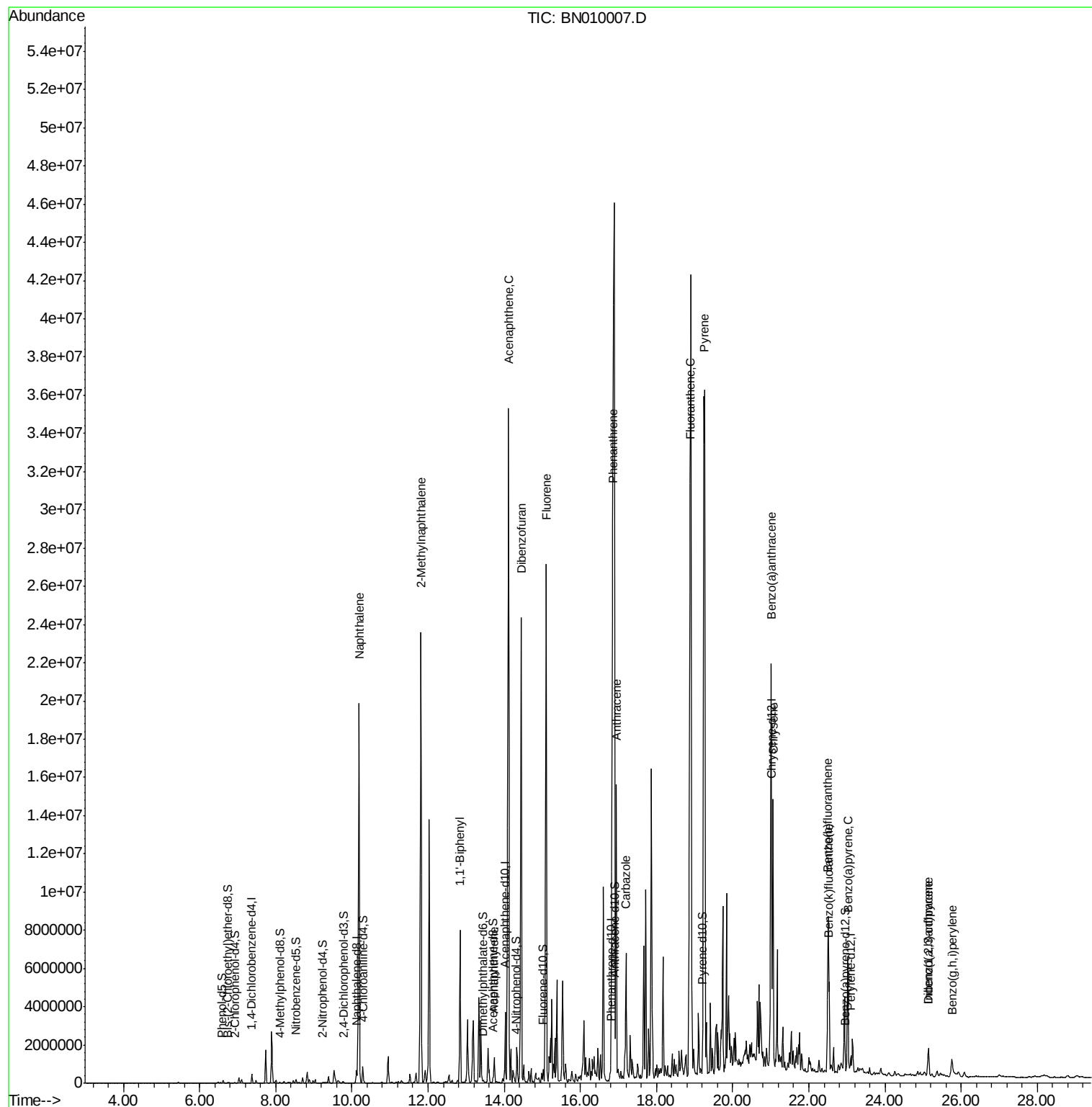
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010007.D
Acq On : 29 Feb 2020 04:31
Operator : CG/JU
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Misc :
ALS Vial : 27 Sample Multiplier: 1

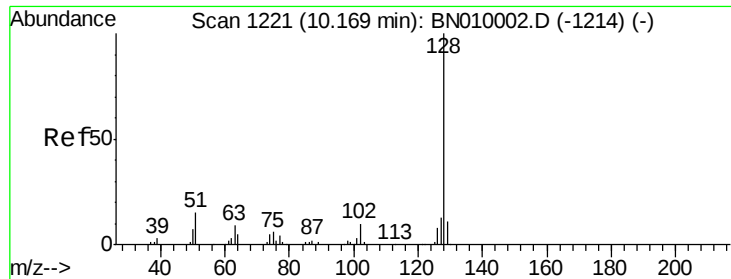
Instrument :
BNA_N
ClientSampleId :
CB5R4DL

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Quant Time: Mar 02 10:53:50 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





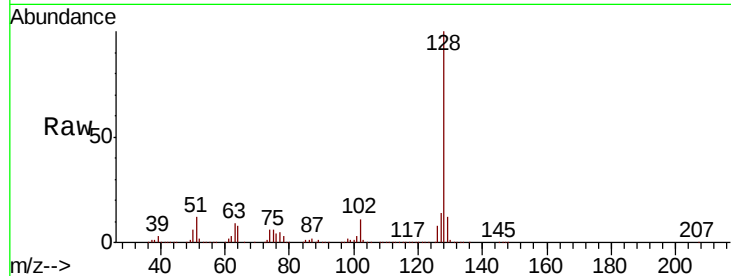
#28
Naphthalene
Concen: 631.200 ng/ul
RT: 10.19 min Scan# 1224
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Instrument :
BNA_N
ClientSampleId :
CB5R4DL

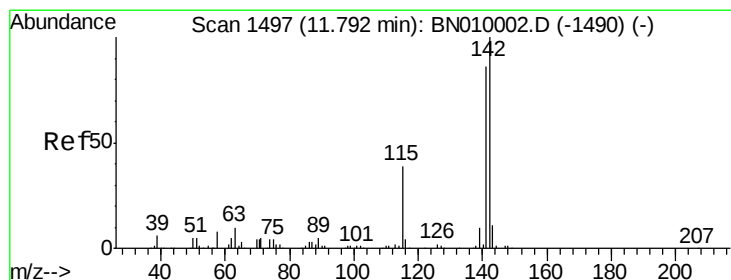
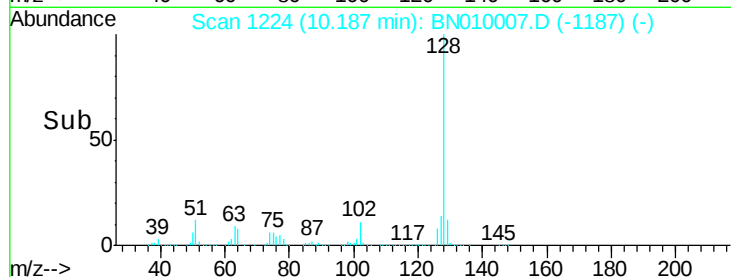
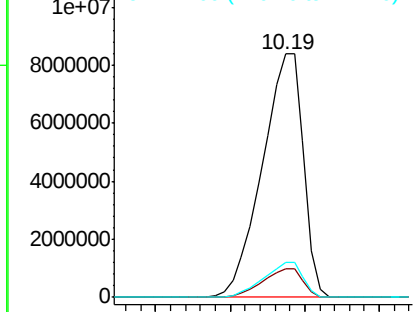
Tot Ion:128 Resp:16099570
Ion Ratio Lower Upper
128 100
129 11.9 8.6 13.0
127 14.3 10.3 15.5

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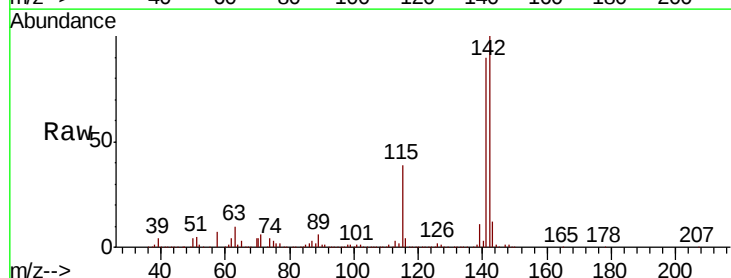


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

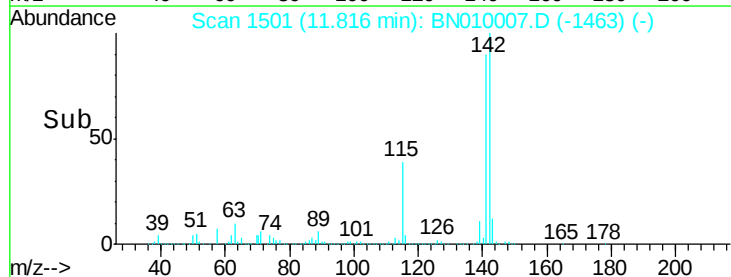
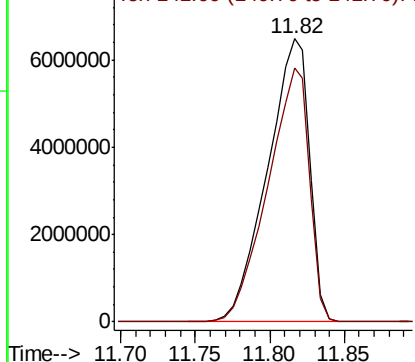


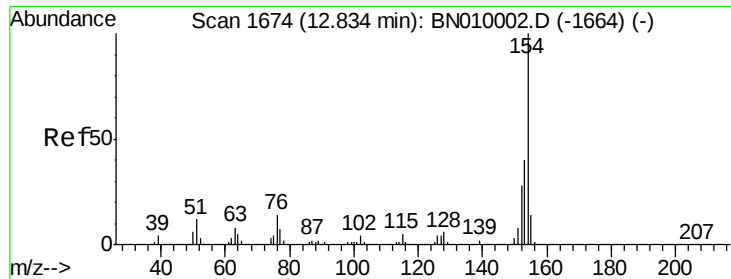
#34
2-Methylnaphthalene
Concen: 720.655 ng/ul
RT: 11.82 min Scan# 1501
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion:142 Resp:12763382
Ion Ratio Lower Upper
142 100
141 89.8 72.1 108.1



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





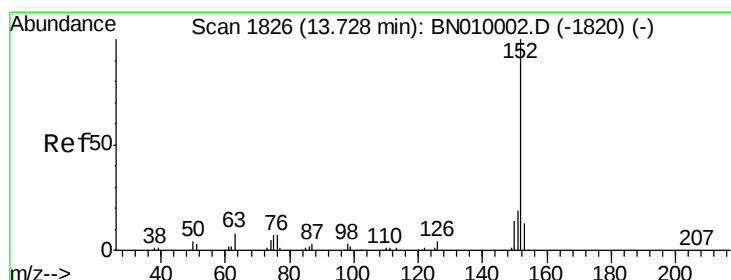
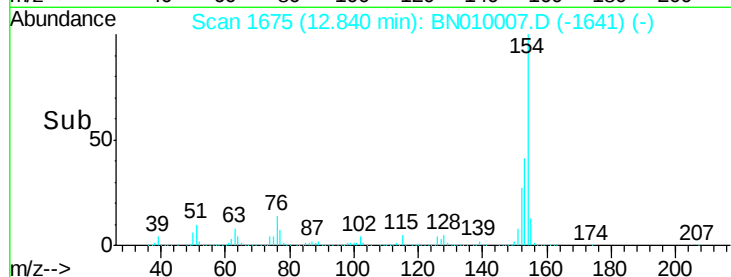
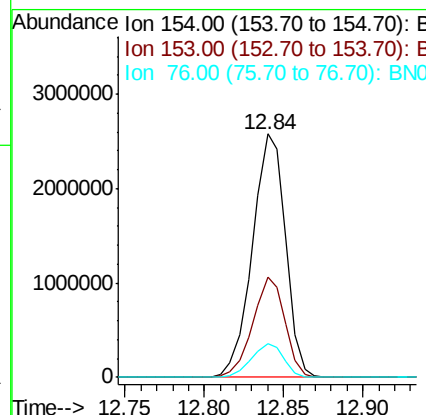
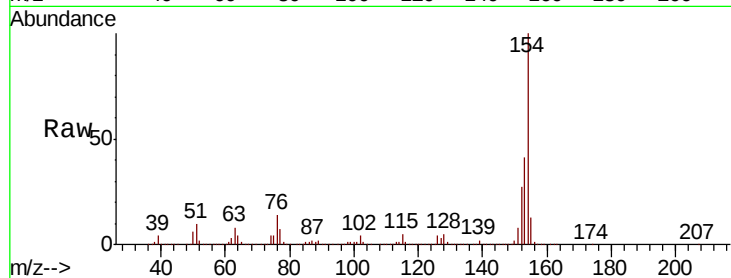
#41
 1,1'-Biphenyl
 Concen: 150.376 ng/ul
 RT: 12.84 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Instrument :
 BNA_N
 ClientSampleId :
 CB5R4DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.9	33.2	49.8
76	14.0	11.0	16.4

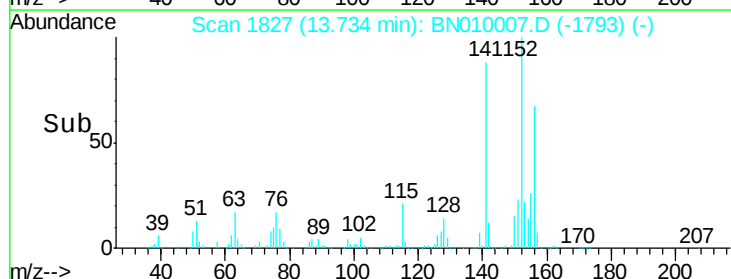
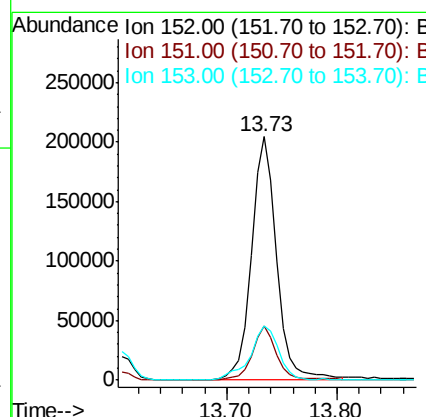
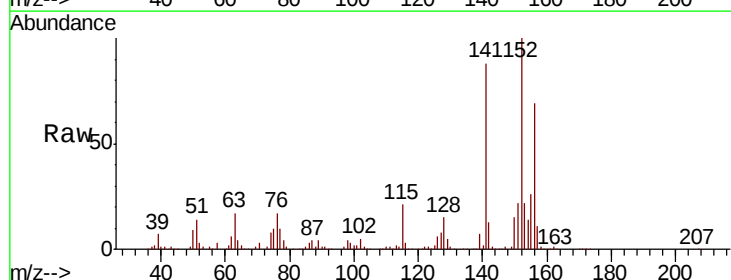
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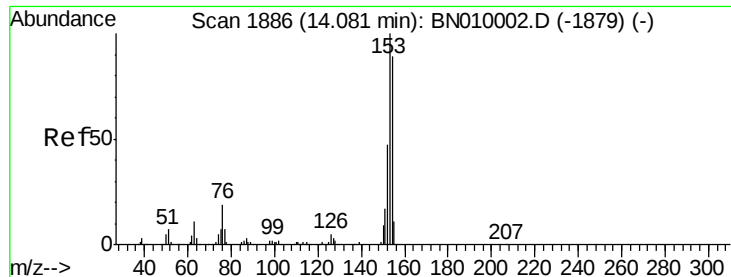
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#48
 Acenaphthylene
 Concen: 10.531 ng/ul
 RT: 13.73 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	15.7	23.5
153	22.1	10.3	15.5#





#50

Acenaphthene

Concen: 903.359 ng/ul

RT: 14.12 min Scan# 1892

Delta R.T. 0.04 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Instrument :

BNA_N

ClientSampled :

CB5R4DL

Tot Ion:153 Resp:19133536

Ion Ratio Lower Upper

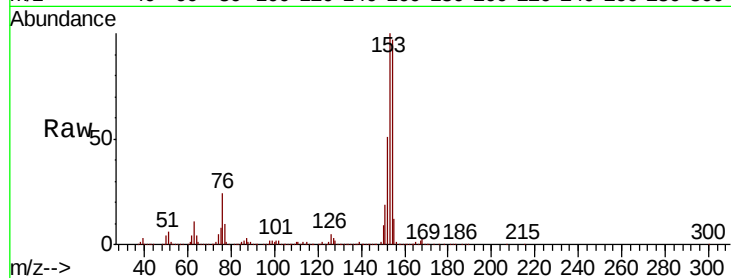
153 100

152 50.8 36.6 54.8

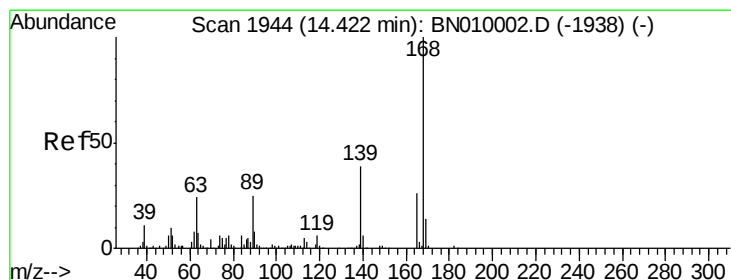
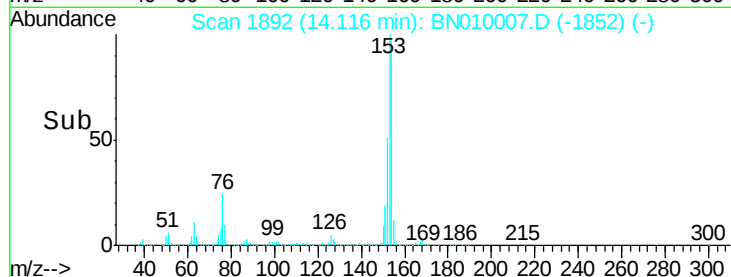
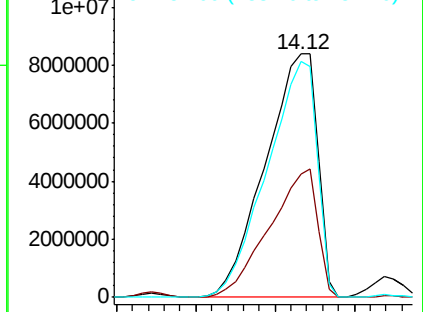
154 97.0 70.6 106.0

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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



#54

Dibenzofuran

Concen: 560.097 ng/ul

RT: 14.45 min Scan# 1948

Delta R.T. 0.02 min

Lab File: BN010007.D

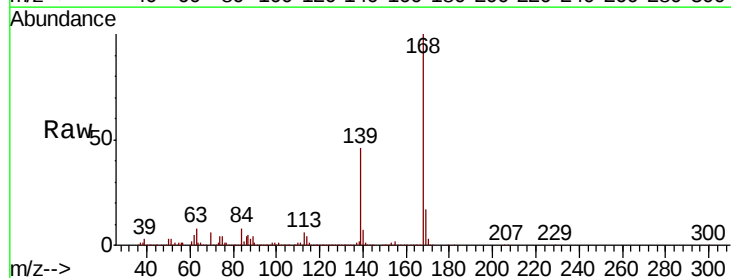
Acq: 29 Feb 2020 04:31

Tgt Ion:168 Resp:16650953

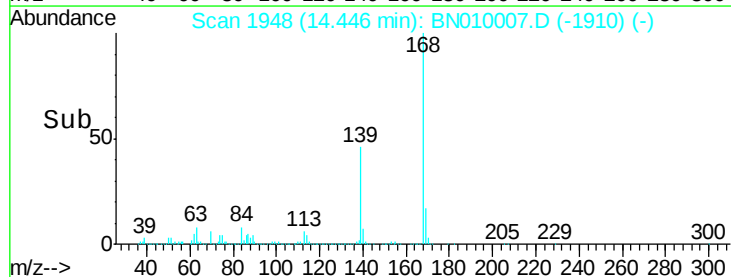
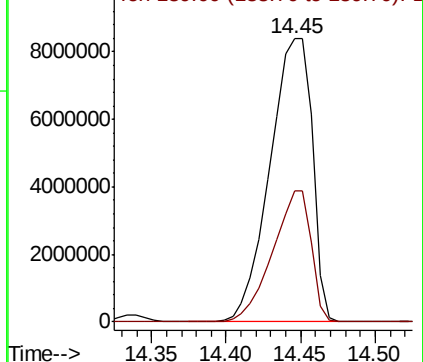
Ion Ratio Lower Upper

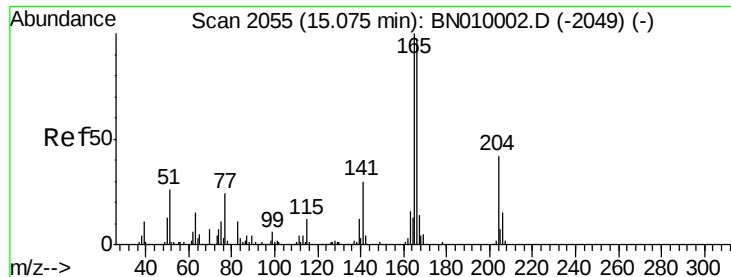
168 100

139 46.3 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59
Fluorene
 Concen: 619.686 ng/ul
 RT: 15.11 min Scan# 2061
 Delta R.T. 0.04 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

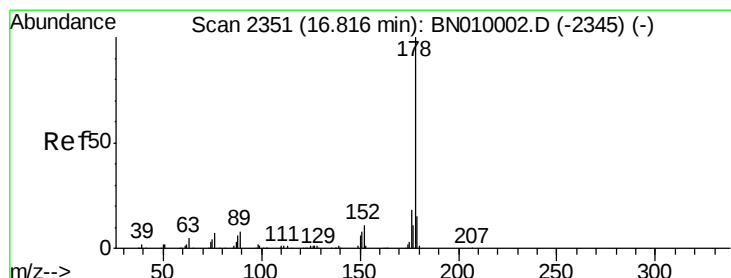
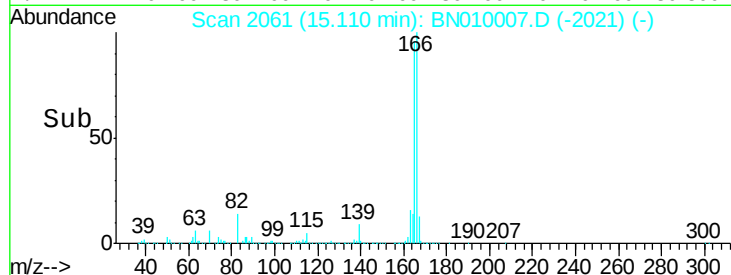
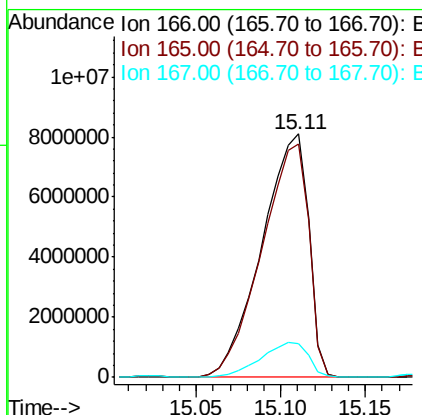
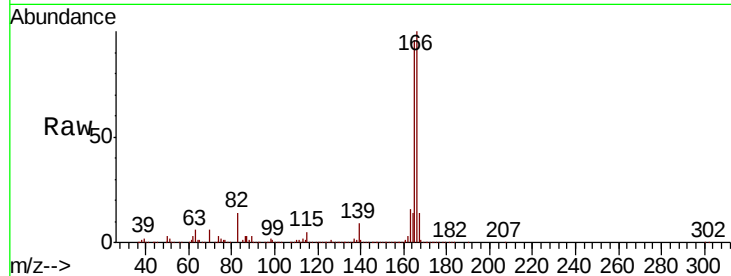
Instrument :
 BNA_N
 ClientSampleId :
 CB5R4DL

Tot Ion:166 Resp:15460683

Ion	Ratio	Lower	Upper
166	100		
165	95.8	79.8	119.8
167	13.6	10.7	16.1

Manual Integrations
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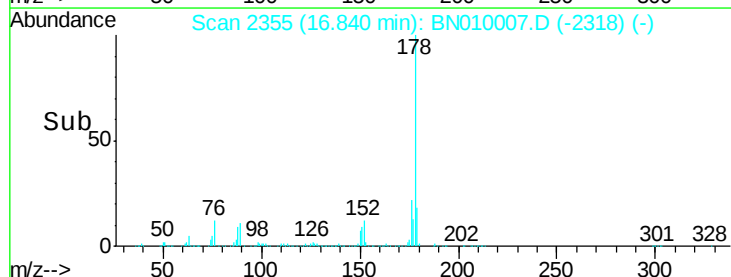
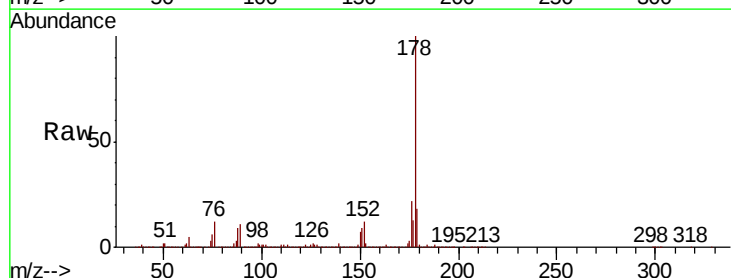
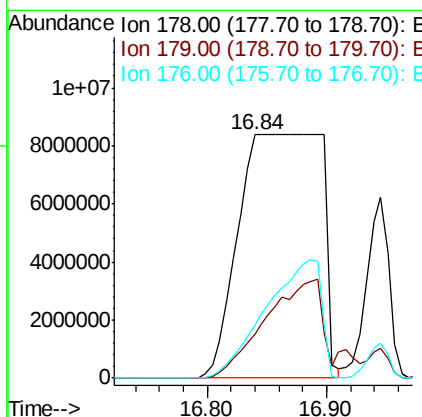
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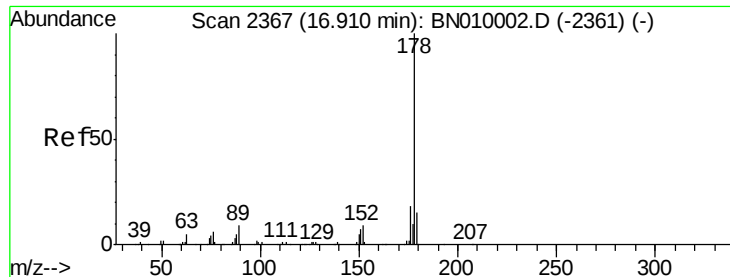


#70
Phenanthrene
 Concen: 1177.584 ng/ul m
 RT: 16.84 min Scan# 2355
 Delta R.T. 0.02 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Tgt Ion:178 Resp:40445161

Ion	Ratio	Lower	Upper
178	100		
179	18.3	12.5	18.7
176	22.0	14.6	22.0





#72

Anthracene

Concen: 227.789 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. 0.04 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Instrument :

BNA_N

ClientSampleId :

CB5R4DL

Tot Ion:178 Resp: 7997894

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.2

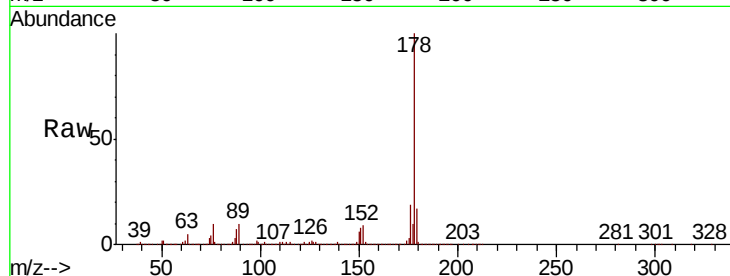
176 19.1 14.6 21.8

Manual Integrations

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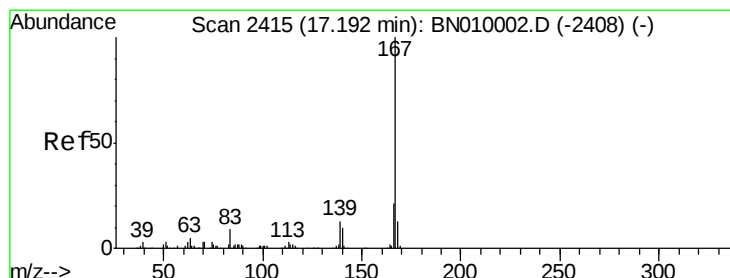
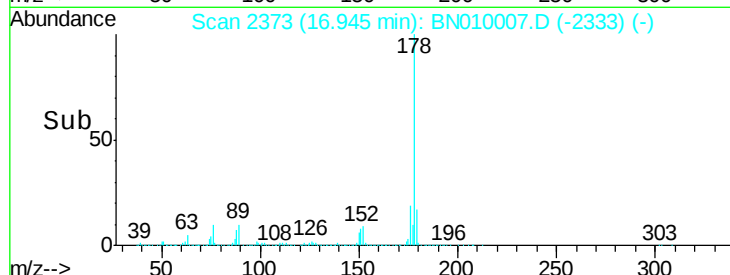
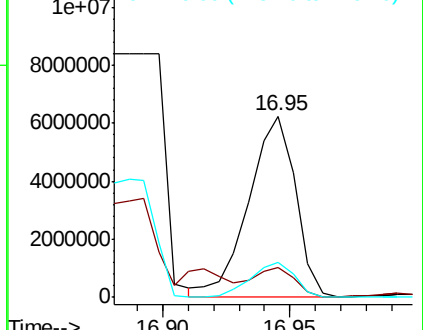
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 127.298 ng/ul

RT: 17.20 min Scan# 2417

Delta R.T. 0.01 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

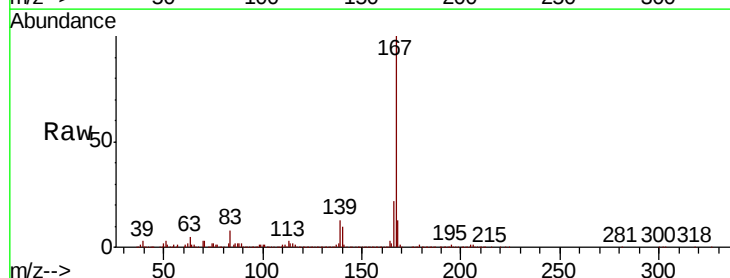
Tgt Ion:167 Resp: 3936016

Ion Ratio Lower Upper

167 100

166 21.6 16.6 24.8

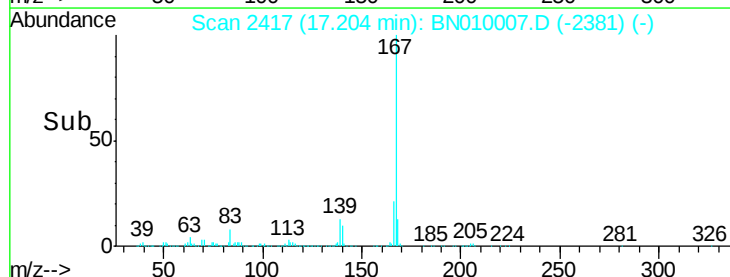
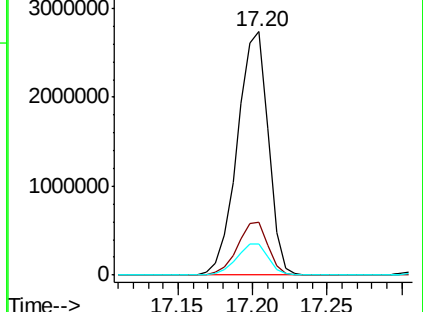
139 13.0 9.9 14.9

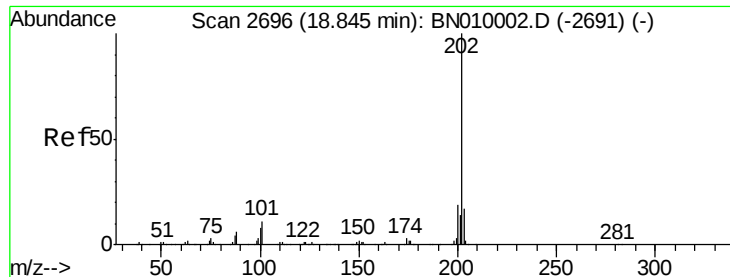


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 835.494 ng/ul m

RT: 18.87 min Scan# 2701

Delta R.T. 0.02 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Instrument :

BNA_N

ClientSampled :

CB5R4DL

Tot Ion:202 Resp:33613113

Ion Ratio Lower Upper

202 100

101 16.8 9.4 14.2#

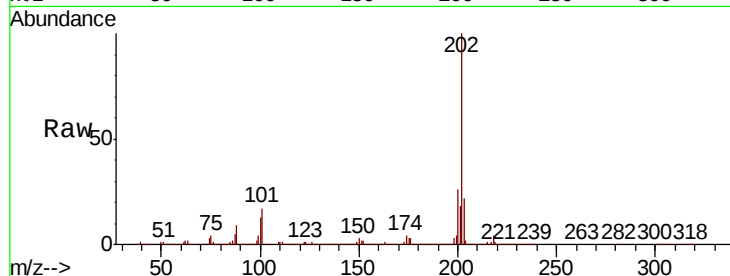
100 12.6 7.2 10.8#

Manual Integrations

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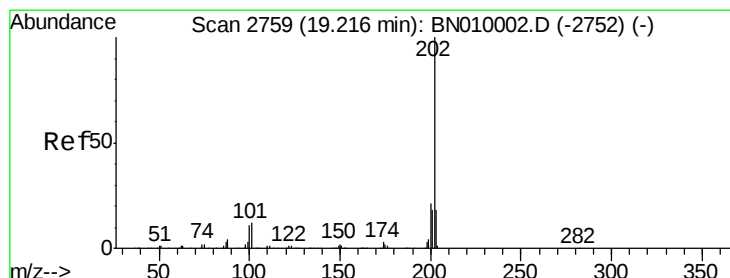
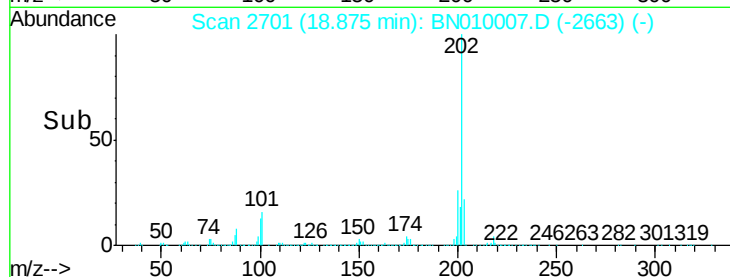
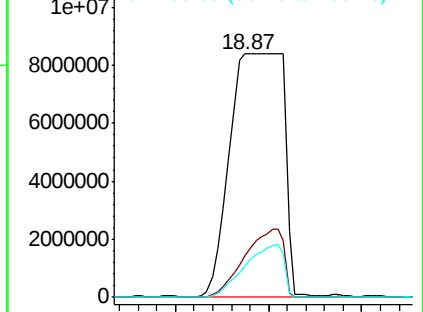
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 723.051 ng/ul m

RT: 19.24 min Scan# 2763

Delta R.T. 0.02 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

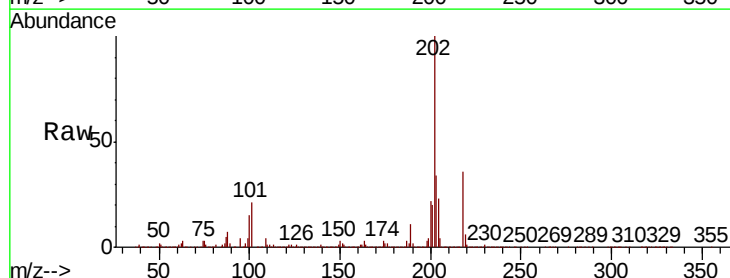
Tgt Ion:202 Resp:28927430

Ion Ratio Lower Upper

202 100

101 20.6 11.3 16.9#

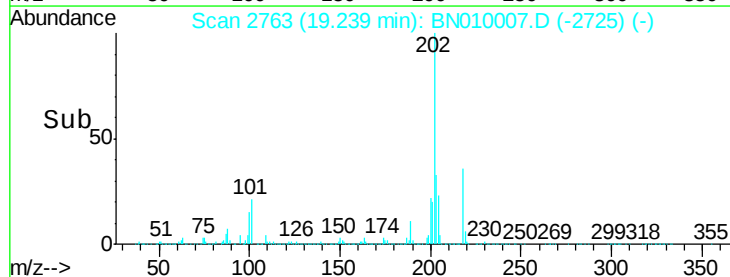
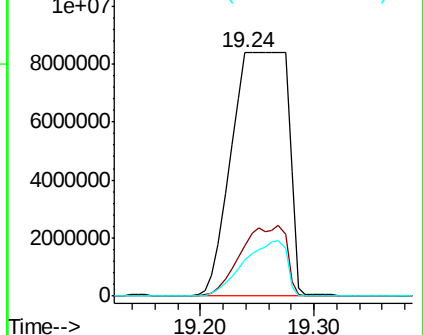
100 14.6 9.0 13.6#

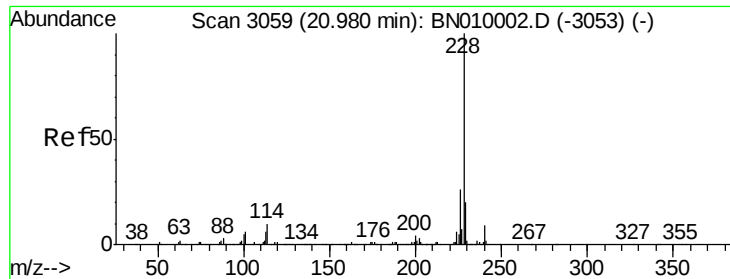


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





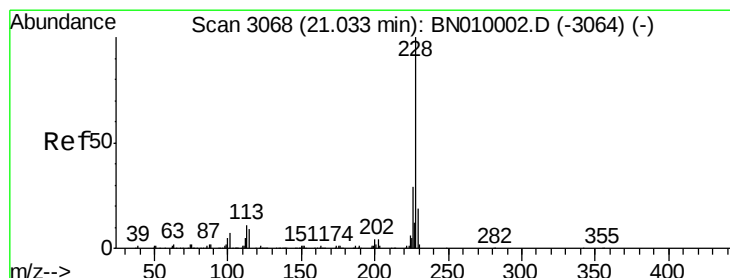
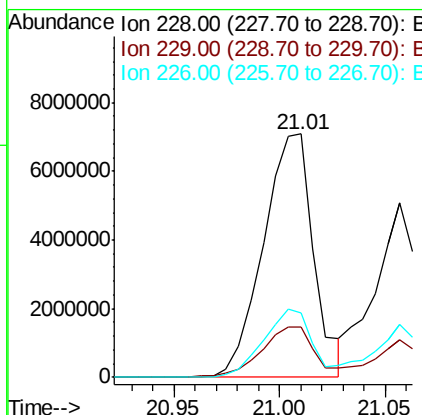
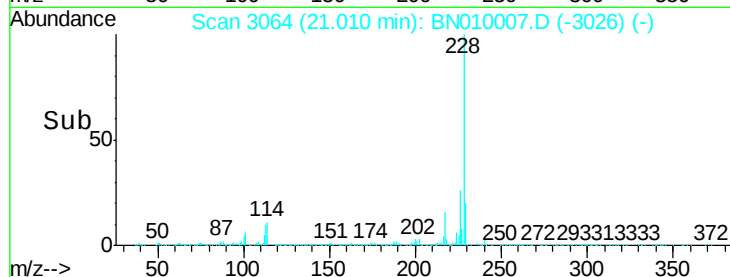
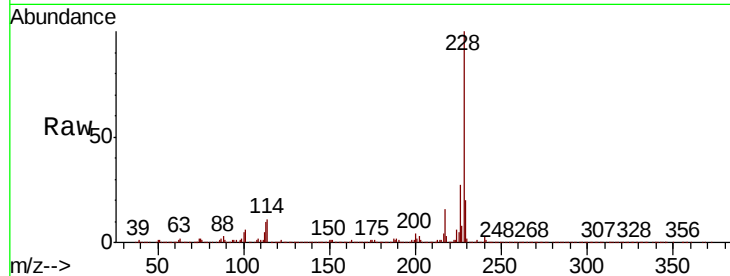
#83
Benzo(a)anthracene
Concen: 307.208 ng/ul
RT: 21.01 min Scan# 3064
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Instrument :
BNA_N
ClientSampleId :
CB5R4DL

Tot Ion:228 Resp:11715303
Ion Ratio Lower Upper
228 100
229 20.4 15.0 22.4
226 26.5 21.4 32.2

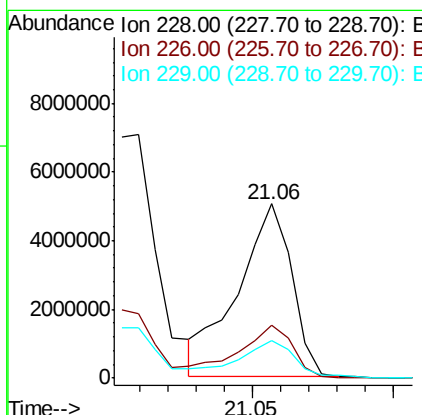
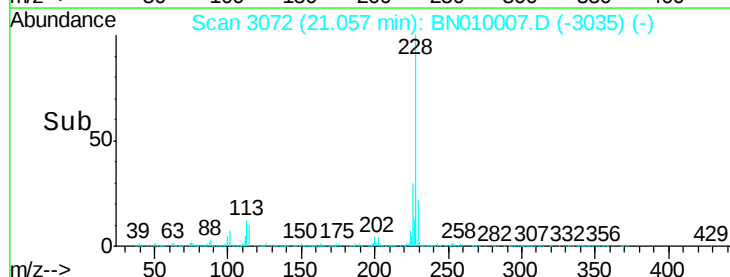
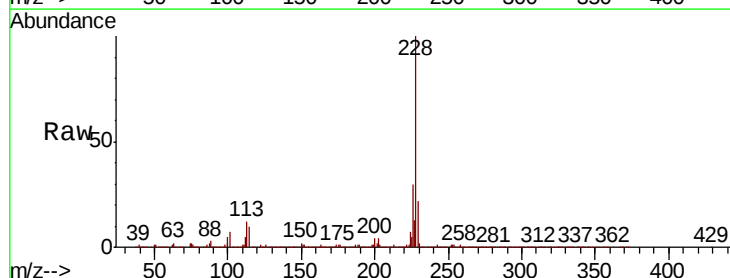
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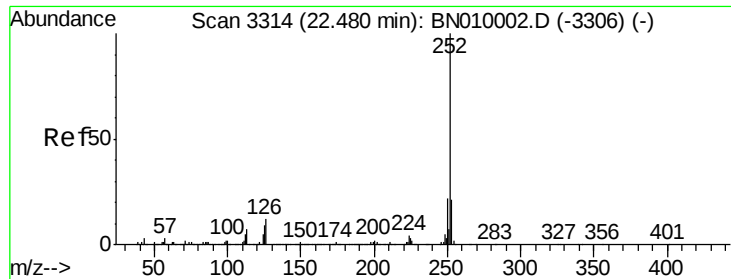
mohammad
3/3/2020 4:59:35 PM



#85
Chrysene
Concen: 178.804 ng/ul
RT: 21.06 min Scan# 3072
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion:228 Resp: 6712887
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 21.8 15.0 22.4





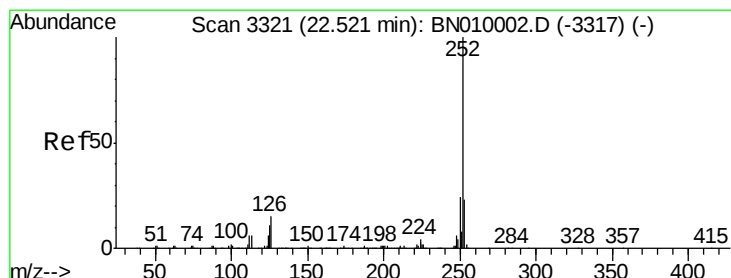
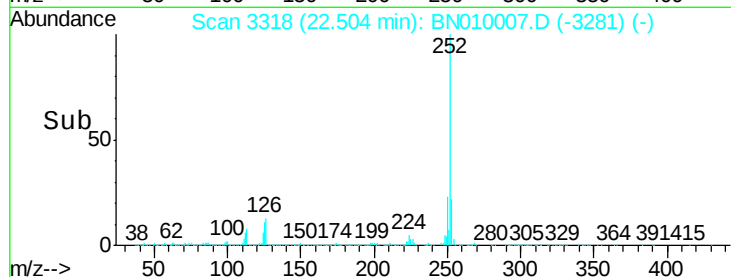
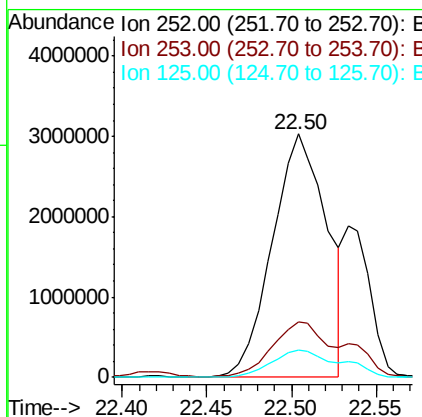
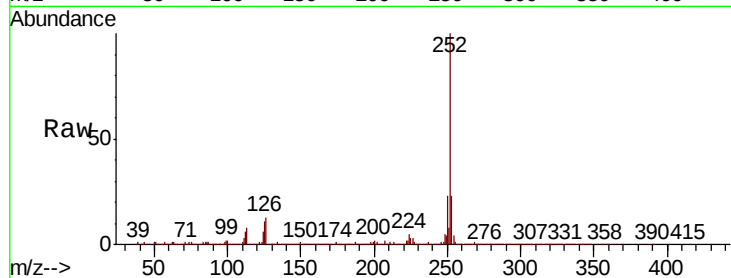
#88
Benzo(b)fluoranthene
Concen: 177.521 ng/ul
RT: 22.50 min Scan# 3318
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Instrument :
BNA_N
ClientSampleId :
CB5R4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	11.0	8.0	12.0

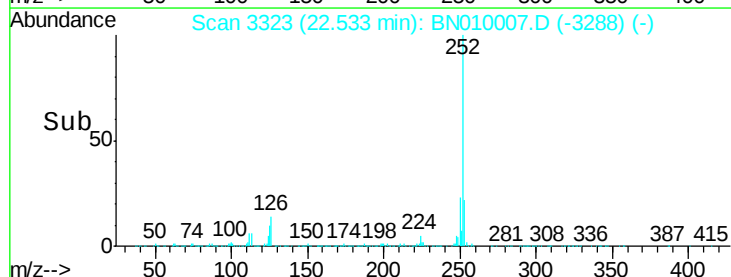
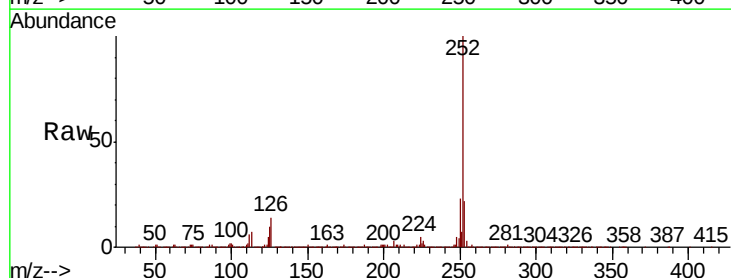
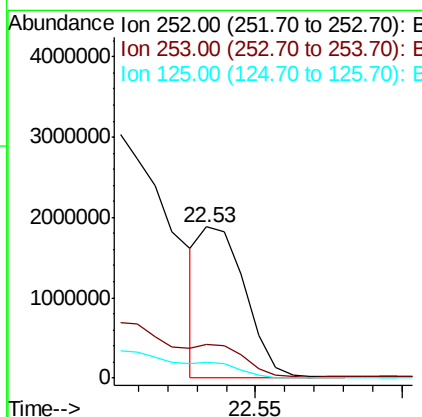
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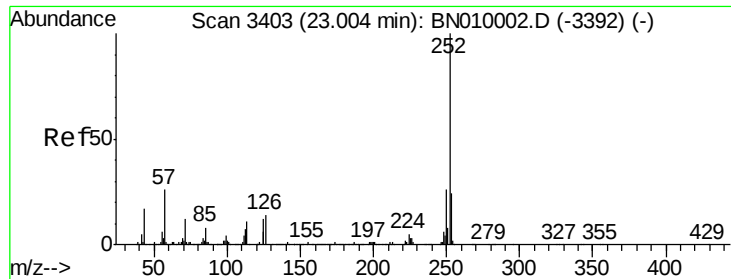
mohammad
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#89
Benzo(k)fluoranthene
Concen: 56.028 ng/ul m
RT: 22.53 min Scan# 3323
Delta R.T. 0.01 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.1	8.2	12.2





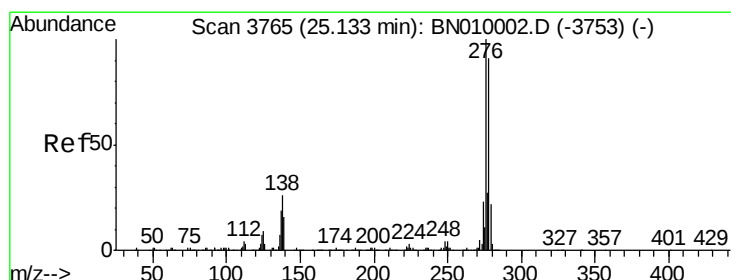
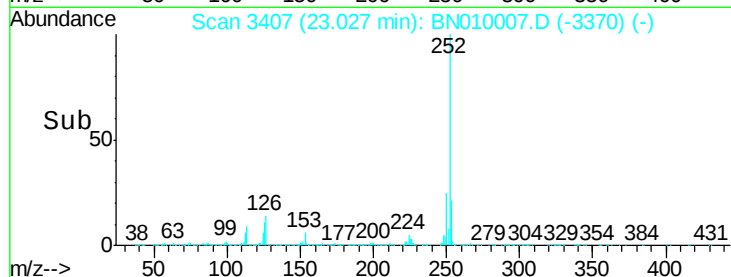
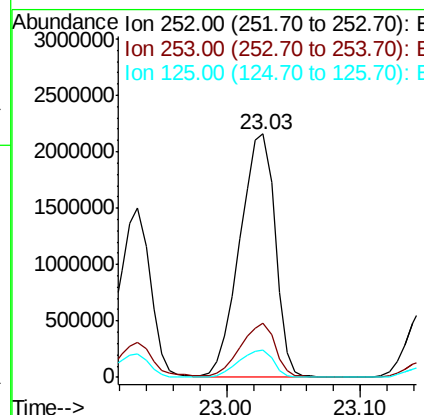
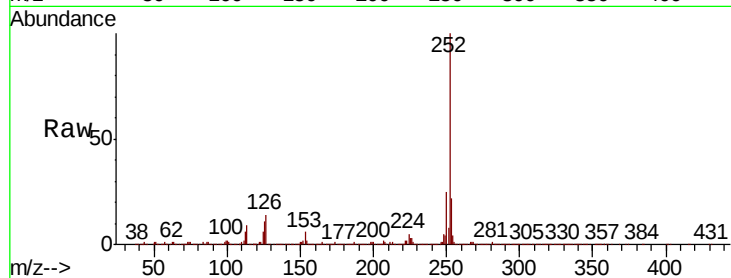
#91
Benzo(a)pyrene
Concen: 114.671 ng/uL
RT: 23.03 min Scan# 3407
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Instrument :
BNA_N
ClientSampleId :
CB5R4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	11.2	9.0	13.6

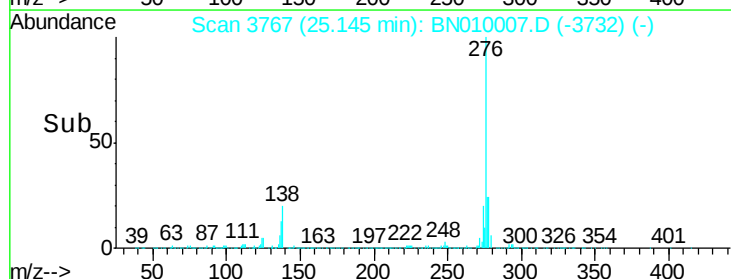
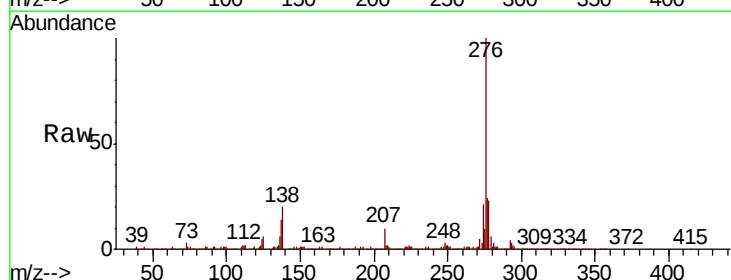
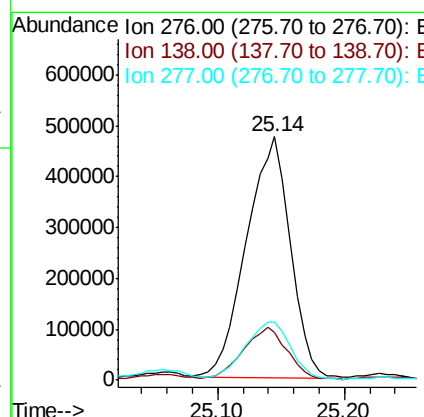
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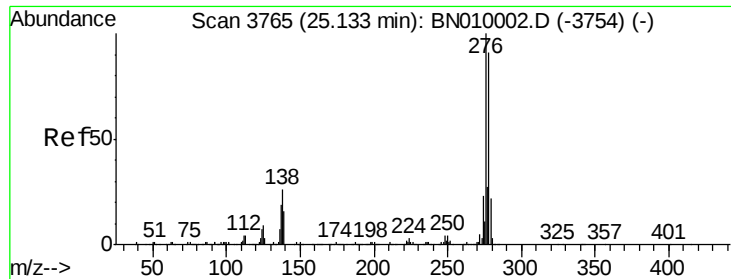
mohammad
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#92
Indeno(1,2,3-cd)pyrene
Concen: 28.257 ng/uL
RT: 25.14 min Scan# 3767
Delta R.T. 0.01 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	20.9	31.3#
277	23.8	18.2	27.4





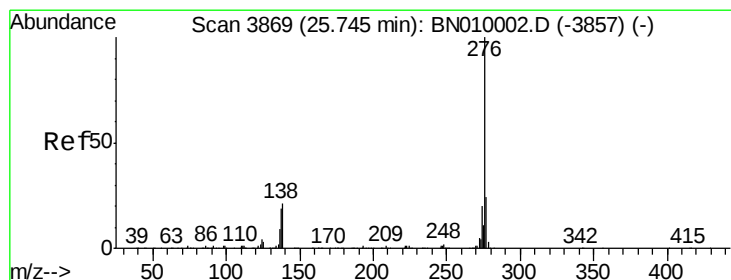
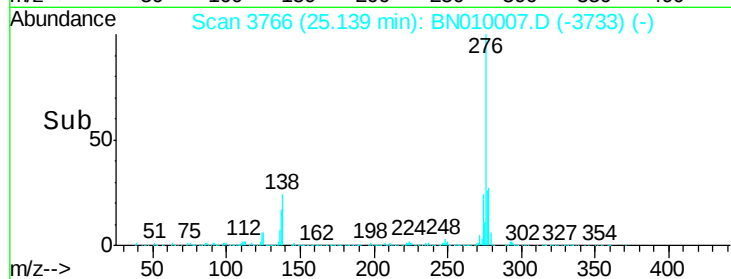
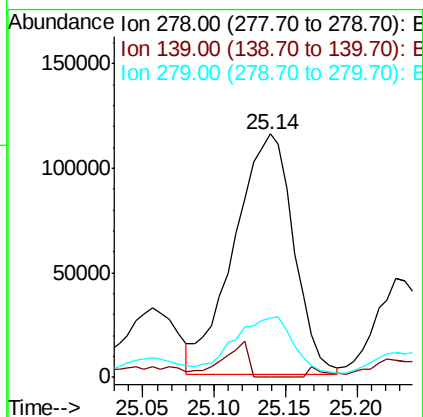
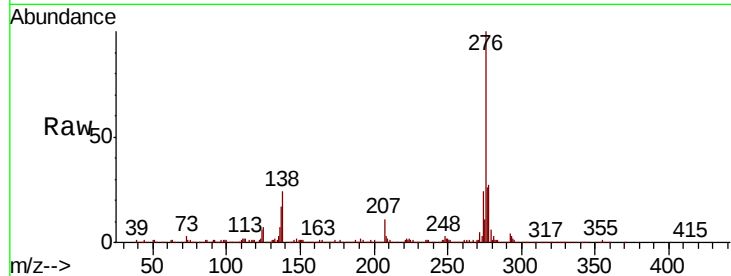
#93
Dibenzo(a,h)anthracene
Concen: 9.576 ng/ul m
RT: 25.14 min Scan# 3766
Delta R.T. -0.01 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Instrument :
BNA_N
ClientSampleId :
CB5R4DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	24.4	17.5	26.3

Manual Integrations
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3/3/2020 4:59:35 PM



#94
Benzo(g,h,i)perylene
Concen: 25.715 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. 0.00 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	17.5	26.3
277	25.3	18.1	27.1

