

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
 Data File : BN022111.D
 Acq On : 14 Oct 2022 06:09
 Operator : CG/JU
 Sample : N5049-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BG6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2022
 Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 14 06:42:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 13 03:08:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	183752	20.000	ng/u1	0.00
20) Naphthalene-d8	10.787	136	882906	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.628	164	555794	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.381	188	1135601	20.000	ng/u1	-0.01
79) Chrysene-d12	21.580	240	1065198	20.000	ng/u1	-0.01
88) Perylene-d12	24.051	264	1084789	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	22827	4.708	ng/uL	0.00
4) Pyridine-d5	3.699	84	109393	7.254	ng/u1	0.00
7) Phenol-d5	7.111	99	441171	24.559	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	302263	26.852	ng/u1	0.00
11) 2-Chlorophenol-d4	7.475	132	347033	27.863	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	322369	22.584	ng/u1	-0.01
21) Nitrobenzene-d5	9.134	128	185383	28.635	ng/u1	0.00
24) 2-Nitrophenol-d4	9.863	143	203201	30.623	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.399	165	334870	26.885	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.928	131	413623	20.312	ng/u1	0.00
46) Dimethylphthalate-d6	14.040	166	1089849	28.130	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	1270212	29.359	ng/u1	0.00
54) 4-Nitrophenol-d4	14.828	143	141330	17.090	ng/u1	0.00
60) Fluorene-d10	15.622	176	959846	29.373	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	141015	21.767	ng/u1	0.00
73) Anthracene-d10	17.481	188	1456708	29.518	ng/u1	0.00
81) Pyrene-d10	19.786	212	1627494	30.688	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.892	264	1573363	29.574	ng/u1	0.00
Target Compounds					Qvalue	
16) Acetophenone	8.793	105	30796	1.350	ng/u1	99
30) Naphthalene	10.834	128	173966	3.678	ng/u1	98
36) 2-Methylnaphthalene	12.451	142	142397	4.360	ng/u1	97
37) 1-Methylnaphthalene	12.669	142	118310	3.617	ng/u1	95
50) Acenaphthylene	14.351	152	86474	1.750	ng/u1#	95
56) Dibenzofuran	15.028	168	67211	1.406	ng/u1	98
72) Phenanthrene	17.428	178	779499	12.725	ng/u1	99
74) Anthracene	17.516	178	177272	2.913	ng/u1	98
77) Carbazole	17.792	167	114874	2.041	ng/u1	99
80) Fluoranthene	19.445	202	1686229	25.329	ng/u1	96
82) Pyrene	19.810	202	1411085	20.260	ng/u1	99
85) Benzo(a)anthracene	21.569	228	864073	12.695	ng/u1#	96
87) Chrysene	21.622	228	955154	14.603	ng/u1	97
90) Benzo(b)fluoranthene	23.298	252	1225509	17.912	ng/u1	98
91) Benzo(k)fluoranthene	23.333	252	371323m	5.493	ng/u1	
93) Benzo(a)pyrene	23.939	252	736544	12.045	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.633	276	500558	6.549	ng/u1	93
95) Dibenzo(a,h)anthracene	26.645	278	138850	2.031	ng/u1#	76
96) Benzo(g,h,i)perylene	27.439	276	399485	5.810	ng/u1	98

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

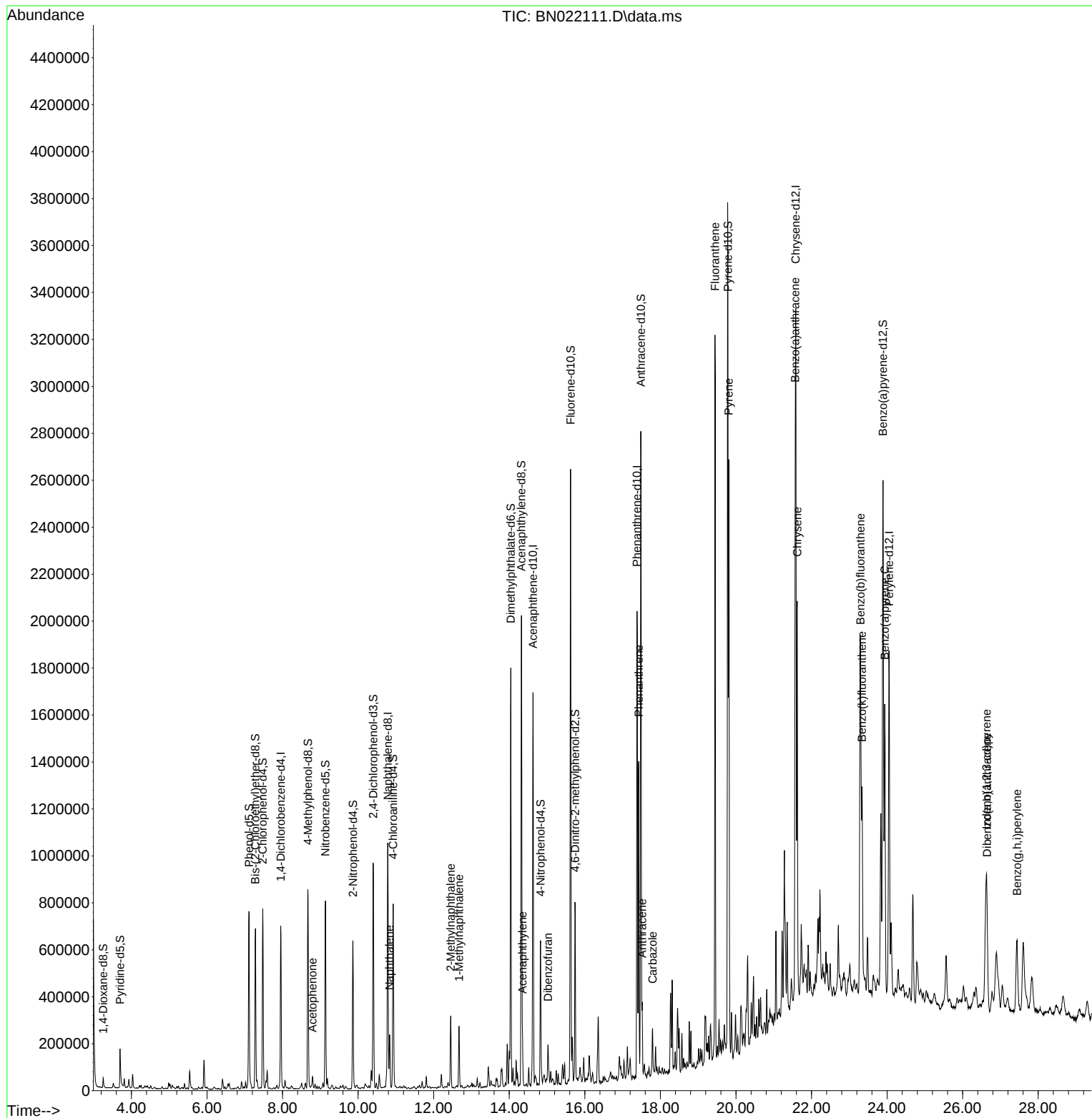
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
 Data File : BN022111.D
 Acq On : 14 Oct 2022 06:09
 Operator : CG/JU
 Sample : N5049-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

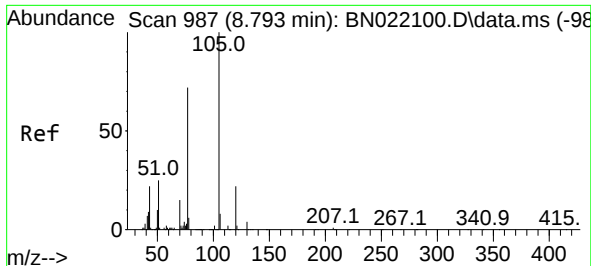
Instrument :
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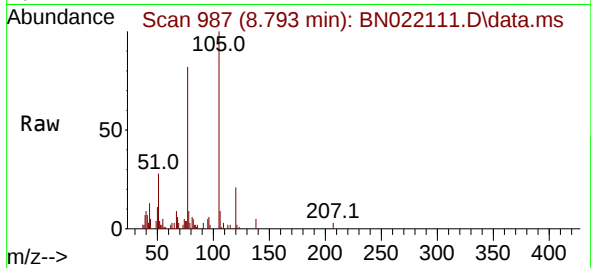
Quant Time: Oct 14 06:42:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 13 03:08:08 2022
 Response via : Initial Calibration





#16
Acetophenone
Concen: 1.350 ng/ul
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

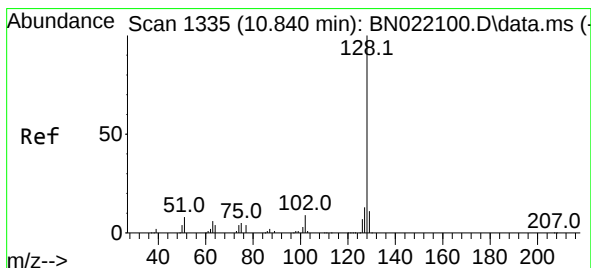
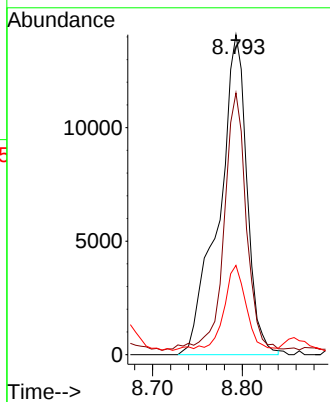
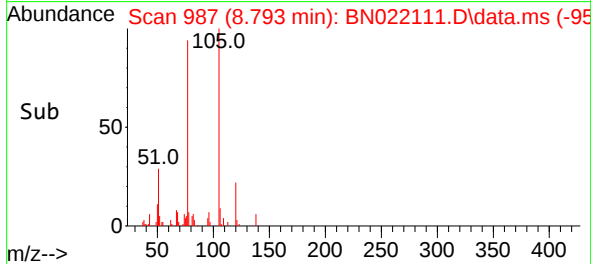
Instrument :
BNA_N
ClientSampleId :
C0BG6



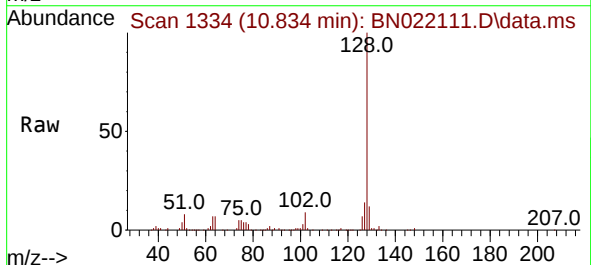
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Ion Ratio Lower Upper
105 100
77 81.8 64.9 97.3
51 27.9 21.8 32.6

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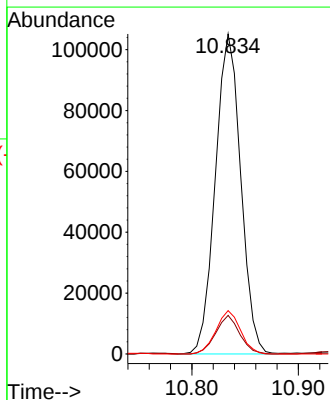
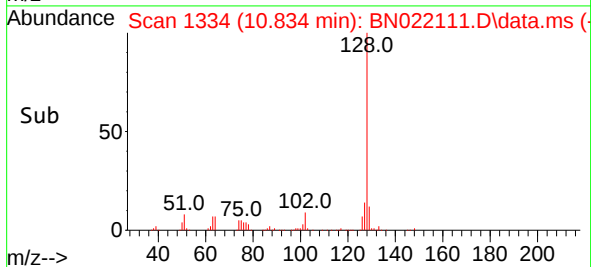
Reviewed By :Jagrut Upadhyay 10/14/2022
Supervised By :mohammad ahmed 10/16/2022

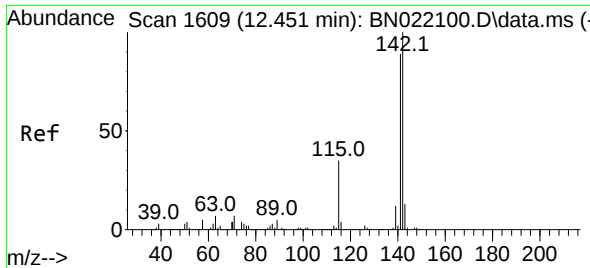


#30
Naphthalene
Concen: 3.678 ng/ul
RT: 10.834 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09



Tgt Ion:128 Resp: 173966
Ion Ratio Lower Upper
128 100
129 12.1 8.5 12.7
127 13.6 10.8 16.2





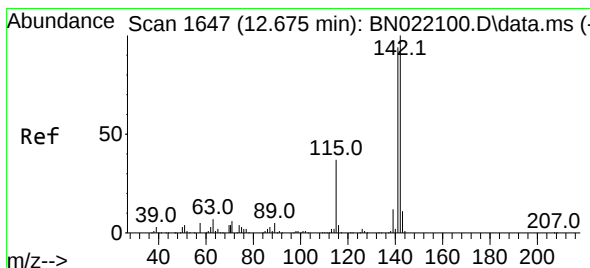
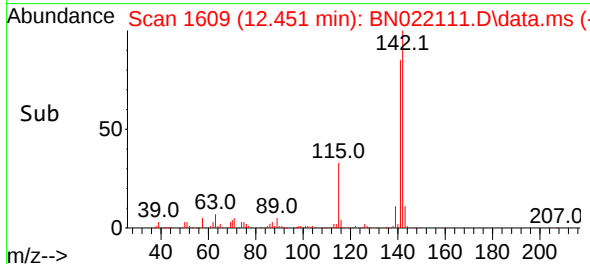
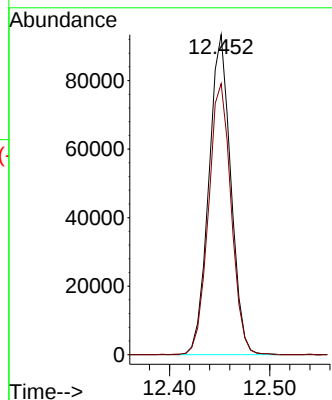
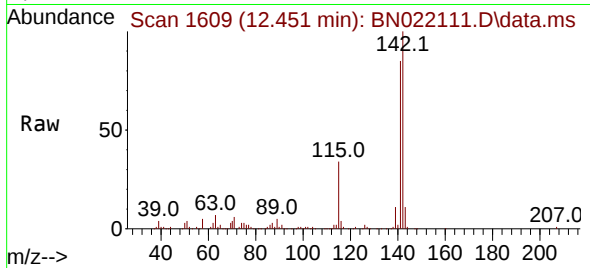
#36
2-Methylnaphthalene
Concen: 4.360 ng/ul
RT: 12.451 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

Instrument :
BNA_N
ClientSampleId :
C0BG6

Tgt Ion:142 Resp: 14239
Ion Ratio Lower Upper
142 100
141 84.7 69.7 104.5

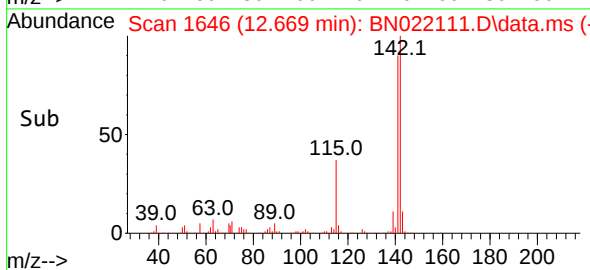
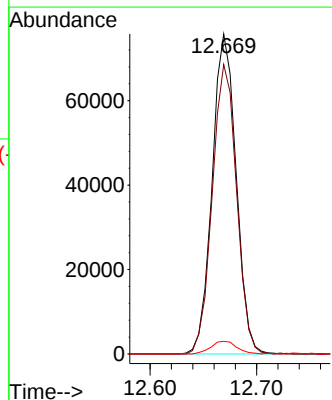
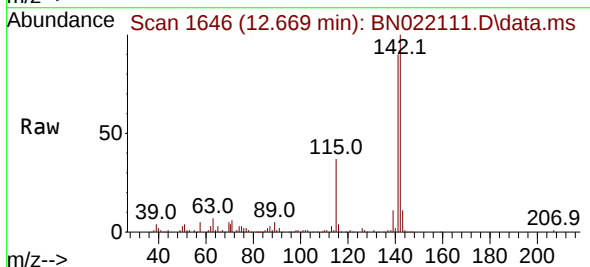
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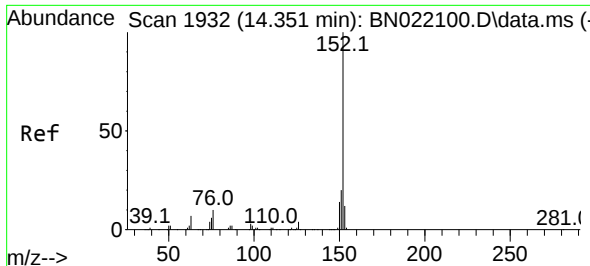
Reviewed By :Jagrut Upadhyay 10/14/2022
Supervised By :mohammad ahmed 10/16/2022



#37
1-Methylnaphthalene
Concen: 3.617 ng/ul
RT: 12.669 min Scan# 1646
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

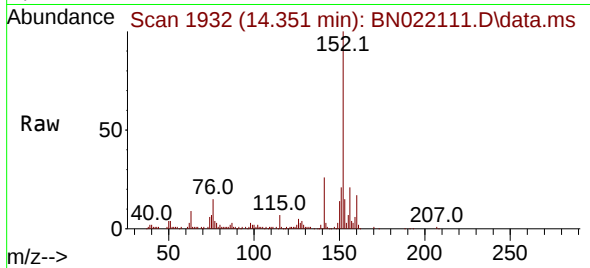
Tgt Ion:142 Resp: 118310
Ion Ratio Lower Upper
142 100
141 90.5 76.7 115.1
116 4.0 3.1 4.7





#50
Acenaphthylene
Concen: 1.750 ng/ul
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

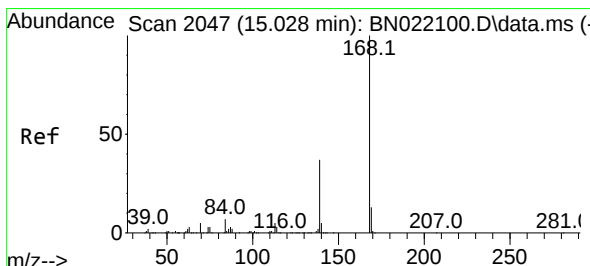
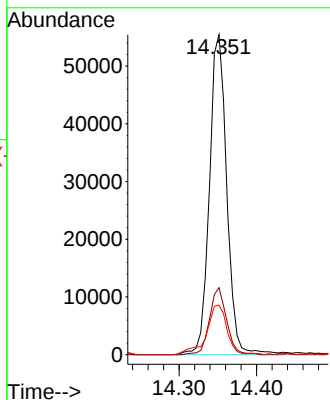
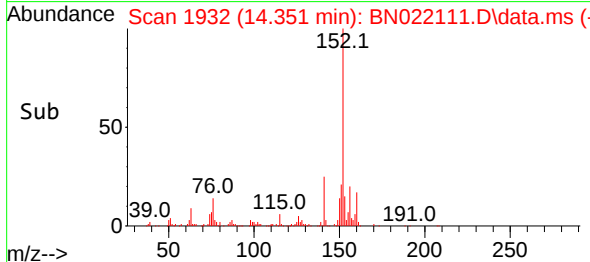
Instrument :
BNA_N
ClientSampleId :
C0BG6



Tgt Ion:152 Resp: 86474
Ion Ratio Lower Upper
152 100
151 21.0 15.5 23.3
153 15.4 9.8 14.8

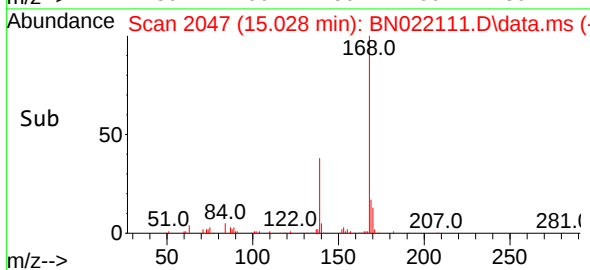
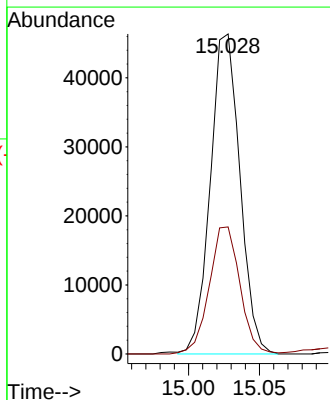
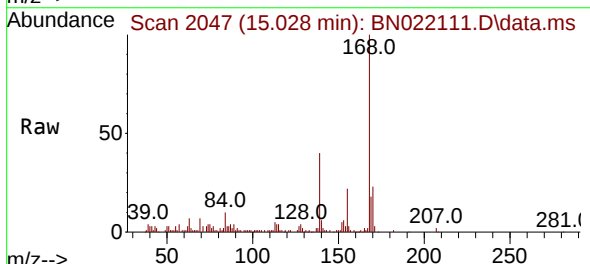
Manual Integrations
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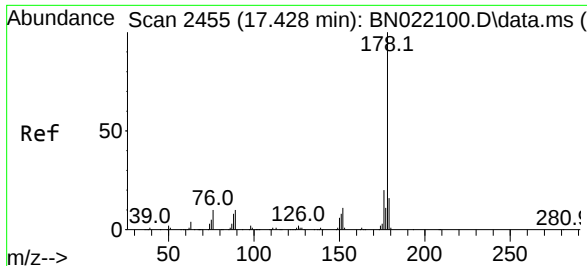
Reviewed By :Jagrut Upadhyay 10/14/2022
Supervised By :mohammad ahmed 10/16/2022



#56
Dibenzofuran
Concen: 1.406 ng/ul
RT: 15.028 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

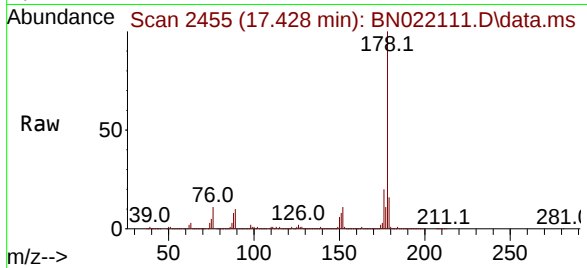
Tgt Ion:168 Resp: 67211
Ion Ratio Lower Upper
168 100
139 39.7 30.6 45.8





#72
Phenanthrene
Concen: 12.725 ng/ul
RT: 17.428 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

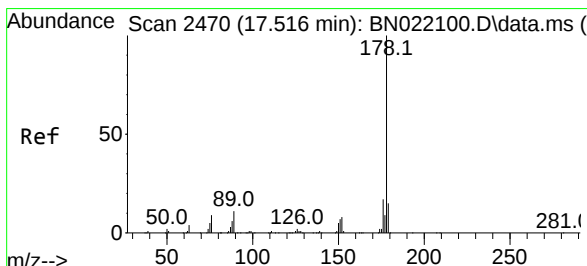
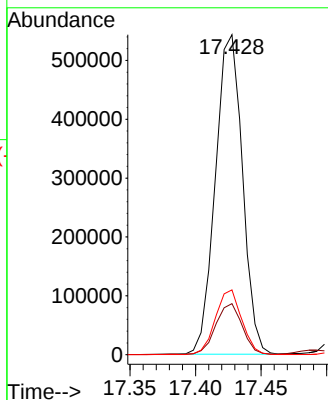
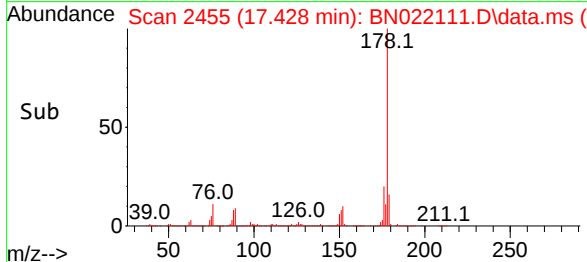
Instrument :
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C0BG6



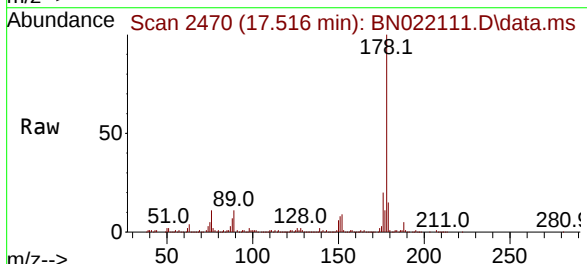
Tgt Ion:178 Resp: 779499
Ion Ratio Lower Upper
178 100
179 16.0 12.3 18.5
176 20.3 16.5 24.7

Manual Integrations
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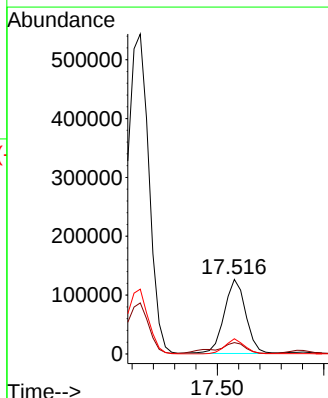
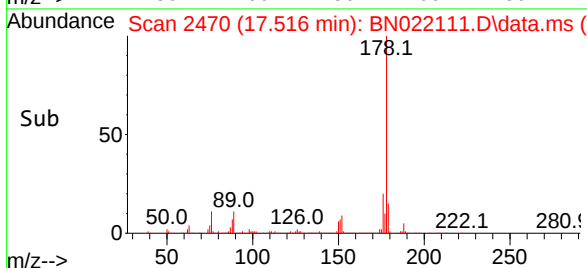
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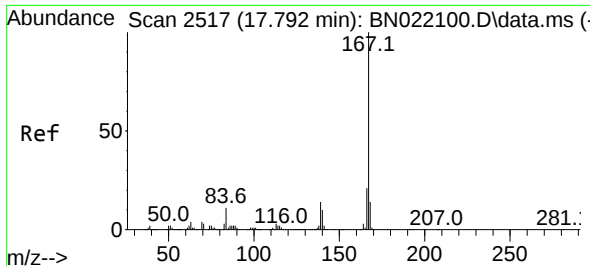


#74
Anthracene
Concen: 2.913 ng/ul
RT: 17.516 min Scan# 2470
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09



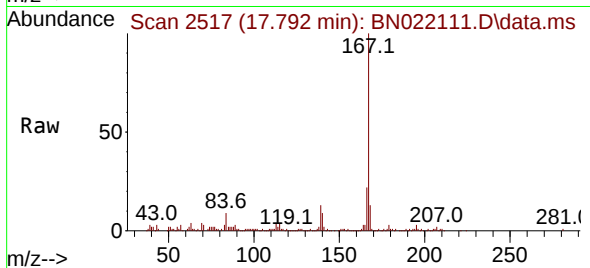
Tgt Ion:178 Resp: 177272
Ion Ratio Lower Upper
178 100
179 15.2 13.0 19.6
176 20.4 15.8 23.6





#77
 Carbazole
 Concen: 2.041 ng/ul
 RT: 17.792 min Scan# 2517
 Delta R.T. -0.006 min
 Lab File: BN022111.D
 Acq: 14 Oct 2022 06:09

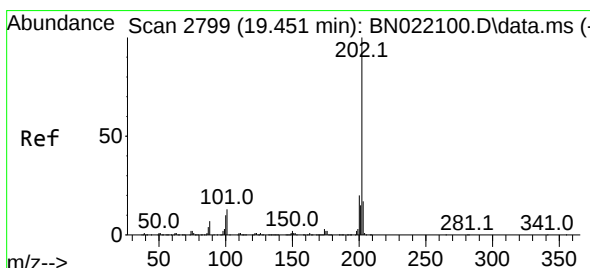
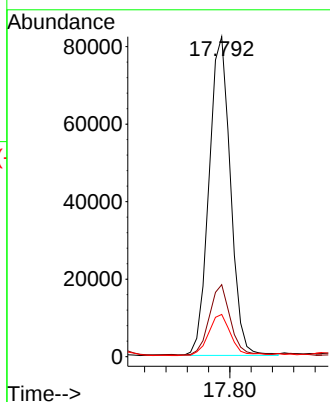
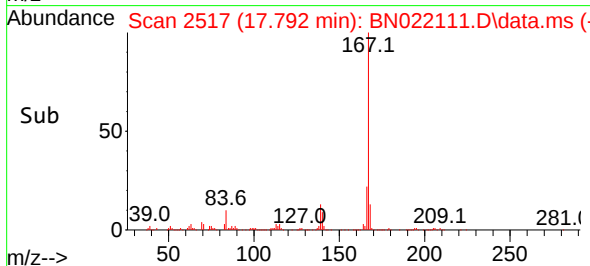
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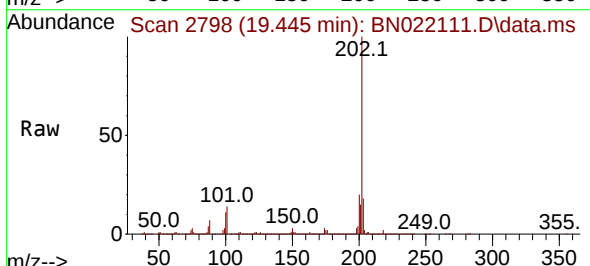
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 Ion Ratio Lower Upper
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 166 22.5 17.3 25.9
 139 13.2 10.7 16.1

Manual Integrations
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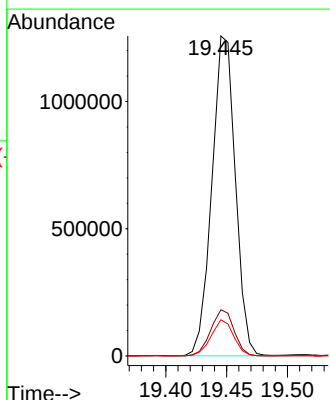
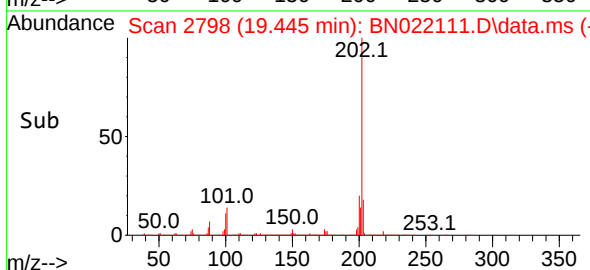
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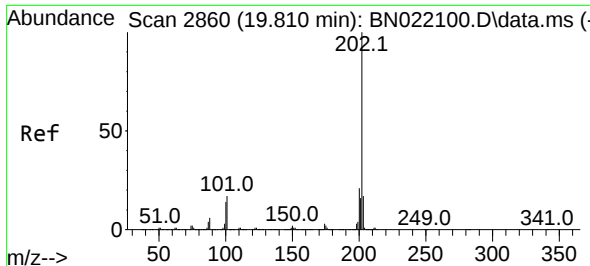


#80
 Fluoranthene
 Concen: 25.329 ng/ul
 RT: 19.445 min Scan# 2798
 Delta R.T. -0.012 min
 Lab File: BN022111.D
 Acq: 14 Oct 2022 06:09



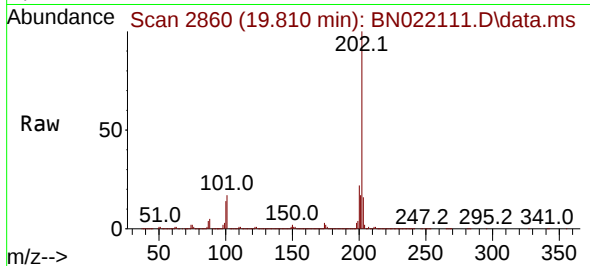
Tgt Ion:202 Resp: 1686229
 Ion Ratio Lower Upper
 202 100
 101 14.4 10.3 15.5
 100 11.3 7.8 11.8





#82
Pyrene
Concen: 20.260 ng/ul
RT: 19.810 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

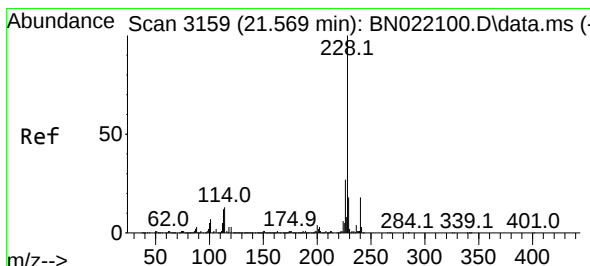
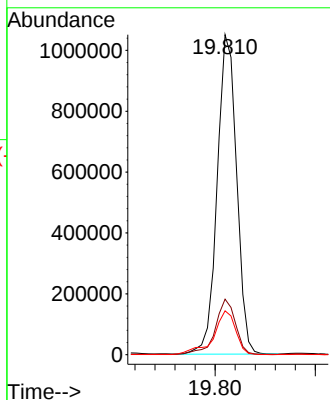
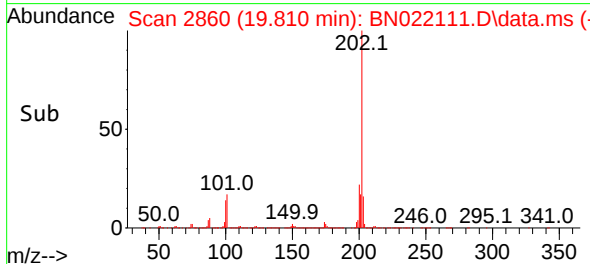
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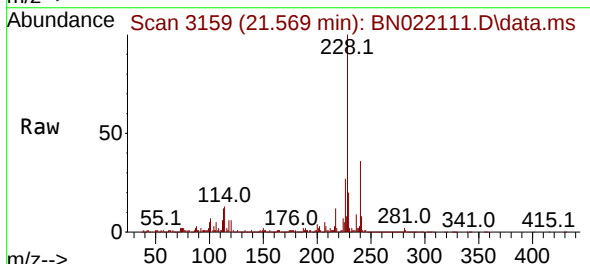
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Ion Ratio Lower Upper
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100 13.7 10.9 16.3

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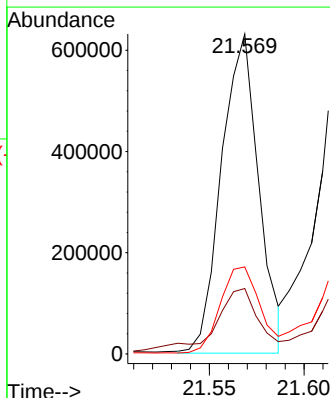
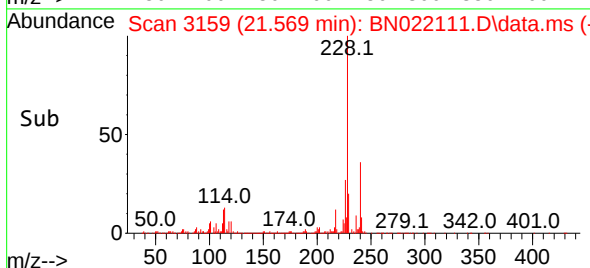
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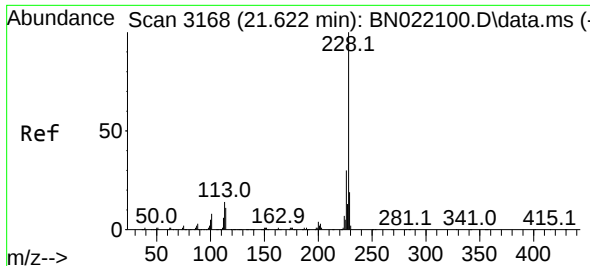


#85
Benzo(a)anthracene
Concen: 12.695 ng/ul
RT: 21.569 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09



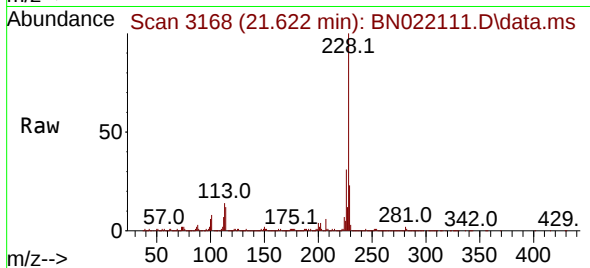
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Ion Ratio Lower Upper
228 100
229 20.5 13.5 20.3#
226 27.2 21.0 31.6





#87
Chrysene
Concen: 14.603 ng/u1
RT: 21.622 min Scan# 3168
Delta R.T. -0.006 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

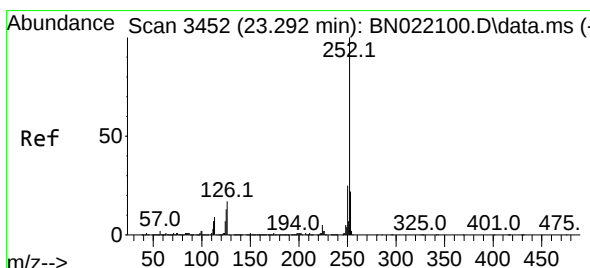
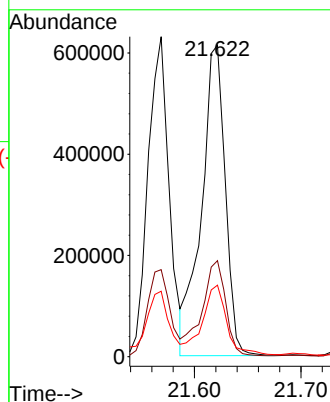
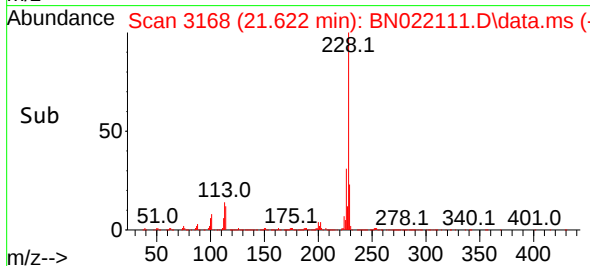
Instrument :
BNA_N
ClientSampleId :
C0BG6



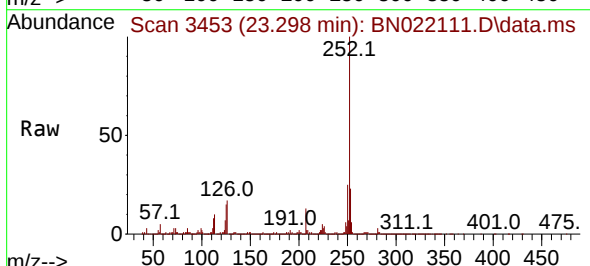
Tgt Ion:228 Resp: 955154
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.8
229 22.9 16.5 24.7

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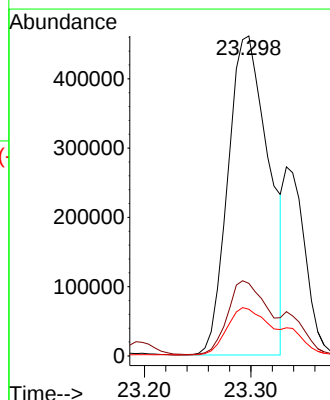
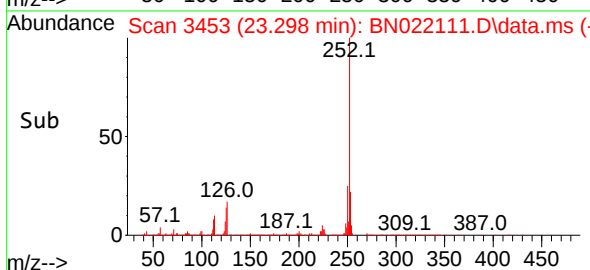
Reviewed By :Jagrut Upadhyay 10/14/2022
Supervised By :mohammad ahmed 10/16/2022

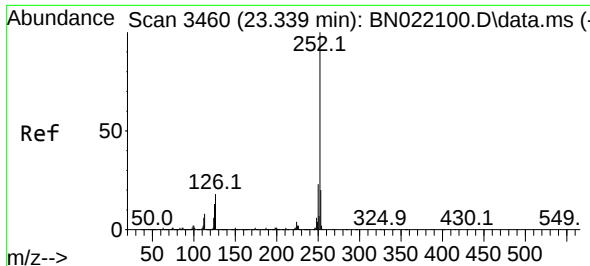


#90
Benzo(b)fluoranthene
Concen: 17.912 ng/u1
RT: 23.298 min Scan# 3453
Delta R.T. 0.000 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09



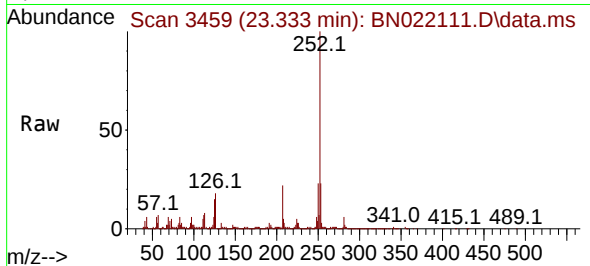
Tgt Ion:252 Resp: 1225509
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 14.6 10.7 16.1





#91
Benzo(k)fluoranthene
Concen: 5.493 ng/ul m
RT: 23.333 min Scan# 3460
Delta R.T. -0.018 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

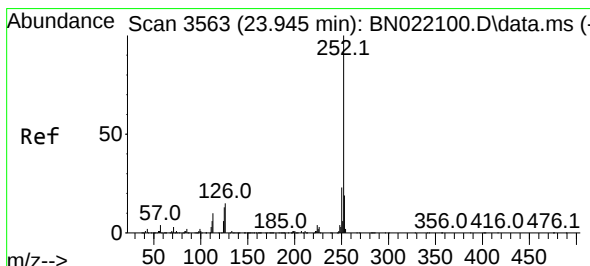
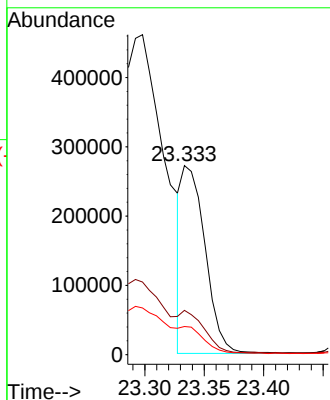
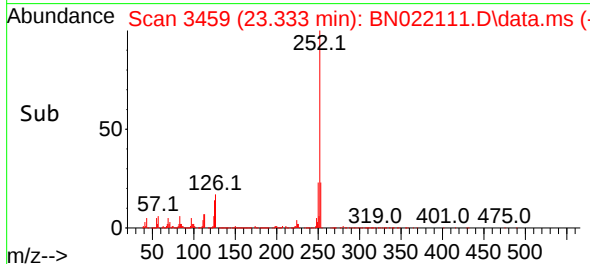
Instrument :
BNA_N
ClientSampleId :
C0BG6



Tgt Ion:252 Resp: 37132
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 14.9 10.6 15.8

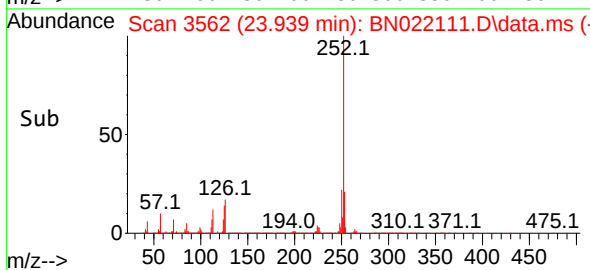
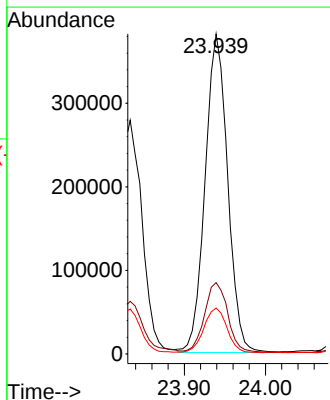
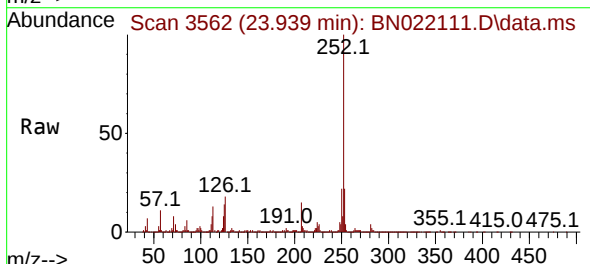
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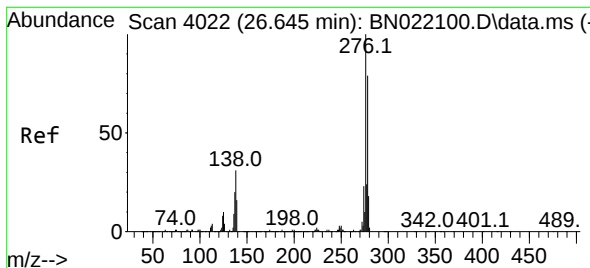
Reviewed By :Jagrut Upadhyay 10/14/2022
Supervised By :mohammad ahmed 10/16/2022



#93
Benzo(a)pyrene
Concen: 12.045 ng/ul
RT: 23.939 min Scan# 3562
Delta R.T. -0.012 min
Lab File: BN022111.D
Acq: 14 Oct 2022 06:09

Tgt Ion:252 Resp: 736544
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 14.4 10.8 16.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.549 ng/ul

RT: 26.633 min Scan# 4020

Delta R.T. -0.029 min

Lab File: BN022111.D

Acq: 14 Oct 2022 06:09

Instrument :

BNA_N

ClientSampleId :

C0BG6

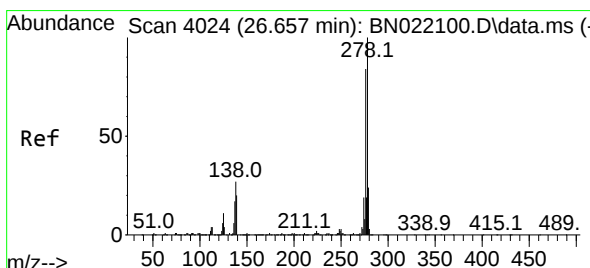
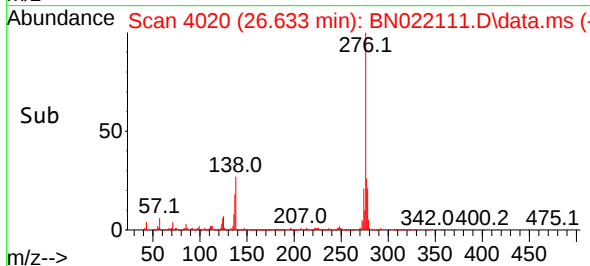
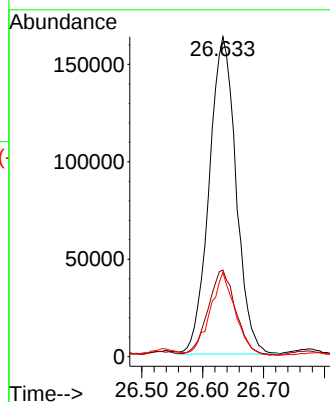
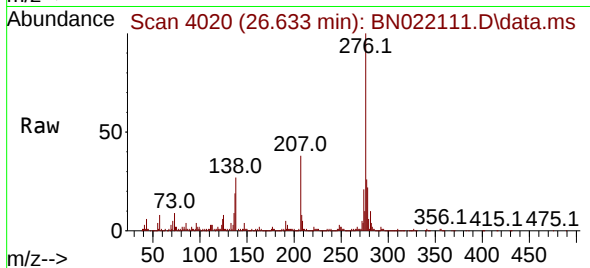
Tgt Ion:276 Resp: 500558

Ion	Ratio	Lower	Upper
276	100		
138	27.1	24.6	36.8
277	26.4	18.4	27.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2022
Supervised By :mohammad ahmed 10/16/2022



#95

Dibenzo(a,h)anthracene

Concen: 2.031 ng/ul

RT: 26.645 min Scan# 4022

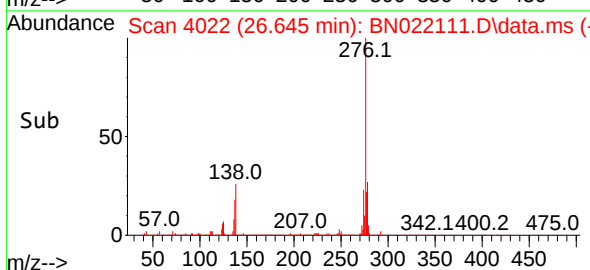
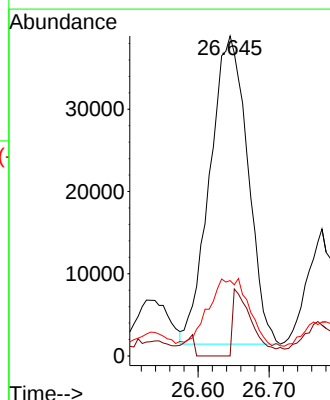
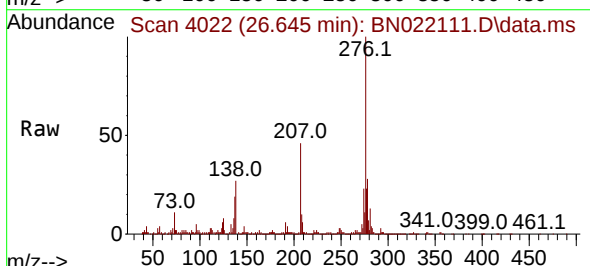
Delta R.T. -0.029 min

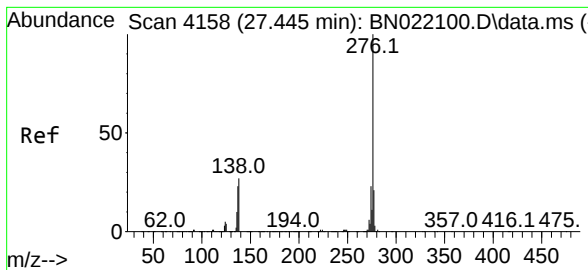
Lab File: BN022111.D

Acq: 14 Oct 2022 06:09

Tgt Ion:278 Resp: 138850

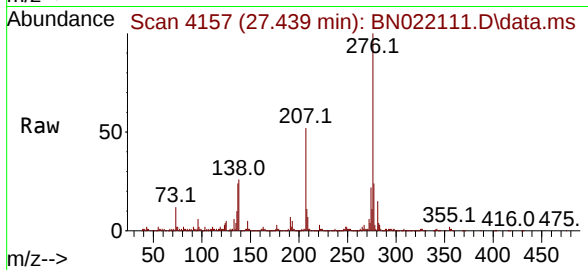
Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5
279	23.5	16.5	24.7





#96
 Benzo(g,h,i)perylene
 Concen: 5.810 ng/ul
 RT: 27.439 min Scan# 4157
 Delta R.T. -0.018 min
 Lab File: BN022111.D
 Acq: 14 Oct 2022 06:09

Instrument :
 BNA_N
 ClientSampleId :
 C0BG6



Tgt Ion:276 Resp: 399485
 Ion Ratio Lower Upper
 276 100
 138 26.4 21.2 31.8
 277 24.0 17.9 26.9

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2022
 Supervised By :mohammad ahmed 10/16/2022

