

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
 Data File : BN022123.D
 Acq On : 14 Oct 2022 14:19
 Operator : CG/JU
 Sample : N5049-13
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BR9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2022
 Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 15 00:26:08 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	7.957	152	181975	20.000	ng/u1	0.00
20) Naphthalene-d8	10.787	136	843464	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.634	164	507669	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	990423	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	801576	20.000	ng/u1	0.00
88) Perylene-d12	24.057	264	682475	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	15801	3.291	ng/uL	0.00
4) Pyridine-d5	3.711	84	27680	1.853	ng/u1	0.02
7) Phenol-d5	7.116	99	299353	16.827	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	216594	19.429	ng/u1	0.00
11) 2-Chlorophenol-d4	7.481	132	248116	20.115	ng/u1	0.00
15) 4-Methylphenol-d8	8.675	113	196297	13.886	ng/u1	0.00
21) Nitrobenzene-d5	9.134	128	141157	22.823	ng/u1	0.00
24) 2-Nitrophenol-d4	9.863	143	155334	24.504	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.404	165	243454	20.460	ng/u1	0.00
31) 4-Chloroaniline-d4	10.934	131	253094	13.010	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	783030	22.127	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	913934	23.127	ng/u1	0.00
54) 4-Nitrophenol-d4	14.834	143	98419	13.029	ng/u1	0.00
60) Fluorene-d10	15.628	176	664599	22.266	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.751	200	61972	10.968	ng/u1	0.00
73) Anthracene-d10	17.486	188	980849	22.789	ng/u1	0.00
81) Pyrene-d10	19.786	212	1009284	25.290	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.898	264	771076	23.038	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.087	77	12894	1.468	ng/u1#	59
8) Phenol	7.140	94	22518	1.193	ng/u1	93
16) Acetophenone	8.793	105	63058m	2.792	ng/u1	
30) Naphthalene	10.840	128	418581	9.264	ng/u1	99
36) 2-Methylnaphthalene	12.457	142	348150	11.157	ng/u1	99
37) 1-Methylnaphthalene	12.675	142	280512	8.977	ng/u1	95
43) 1,1'-Biphenyl	13.463	154	45017	1.215	ng/u1	97
50) Acenaphthylene	14.351	152	224553	4.976	ng/u1#	96
56) Dibenzofuran	15.028	168	125698	2.878	ng/u1	95
72) Phenanthrene	17.428	178	440996	8.254	ng/u1	99
74) Anthracene	17.522	178	135651	2.556	ng/u1	98
80) Fluoranthene	19.451	202	599380	11.965	ng/u1	99
82) Pyrene	19.816	202	825505	15.751	ng/u1	96
85) Benzo(a)anthracene	21.568	228	401506	7.839	ng/u1#	91
87) Chrysene	21.627	228	512913	10.421	ng/u1	99
90) Benzo(b)fluoranthene	23.298	252	642700	14.931	ng/u1	98
91) Benzo(k)fluoranthene	23.345	252	141981m	3.339	ng/u1	
93) Benzo(a)pyrene	23.945	252	392852	10.212	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	26.645	276	266666	5.546	ng/u1	94
95) Dibenzo(a,h)anthracene	26.651	278	72196	1.678	ng/u1#	69
96) Benzo(g,h,i)perylene	27.445	276	232261	5.369	ng/u1	97

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

Instrument :

BN_A_N

ClientSampleId :

C0BR9

Manual Integrations

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Supervised By :mohammad ahmed 10/16/2022

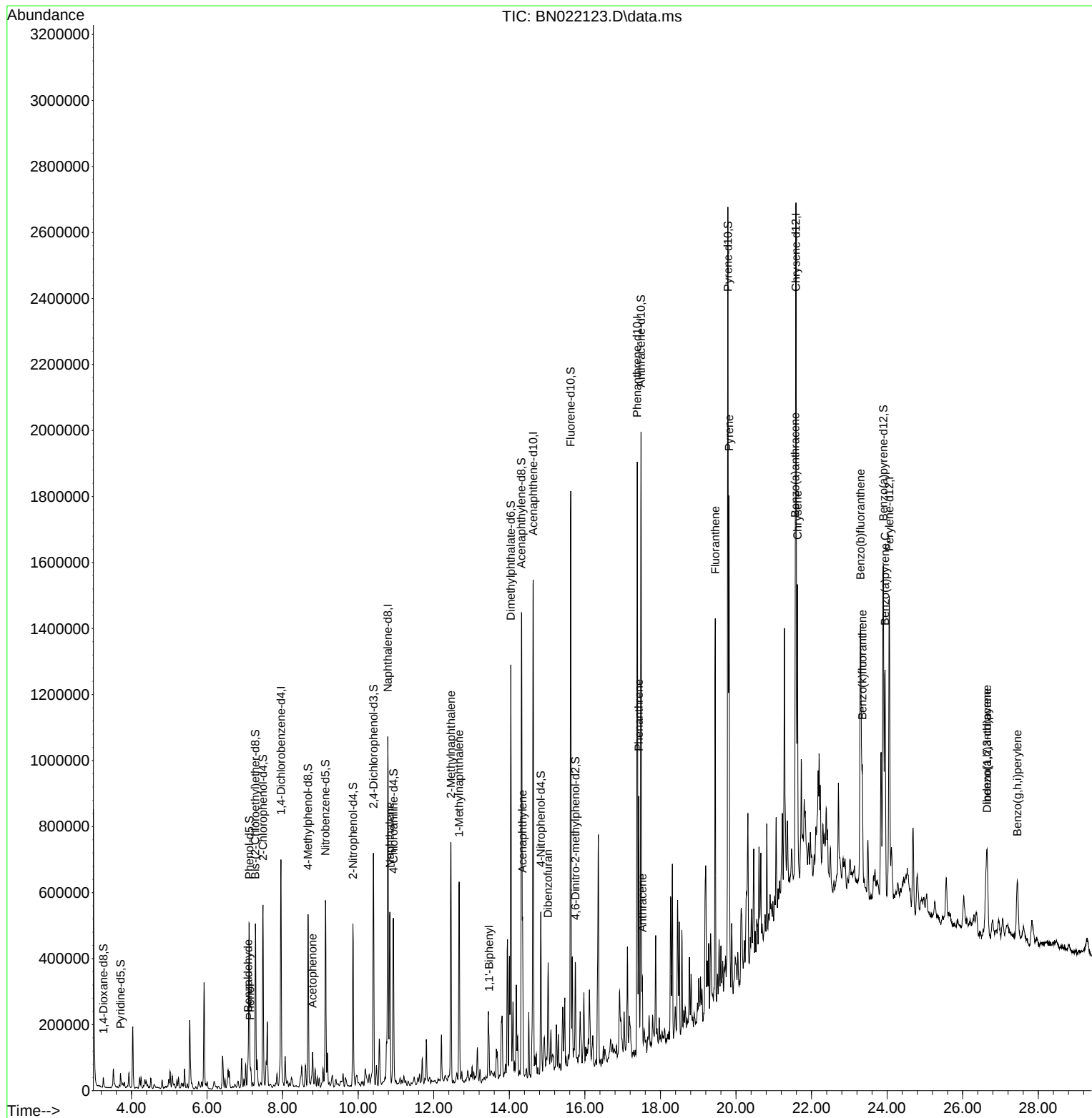
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
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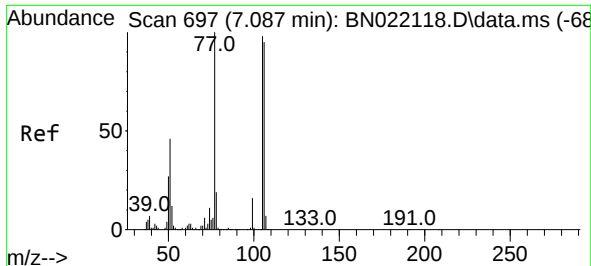
Instrument :
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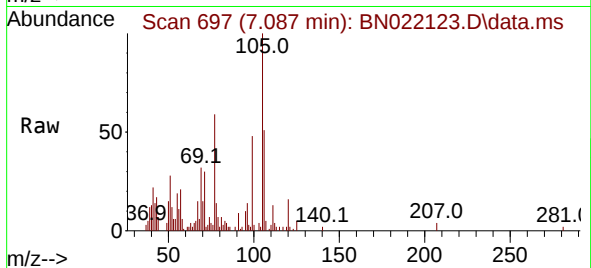
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 Quant Title : SVOA CALIBRATION
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#6
Benzaldehyde
Concen: 1.468 ng/ul
RT: 7.087 min Scan# 697
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

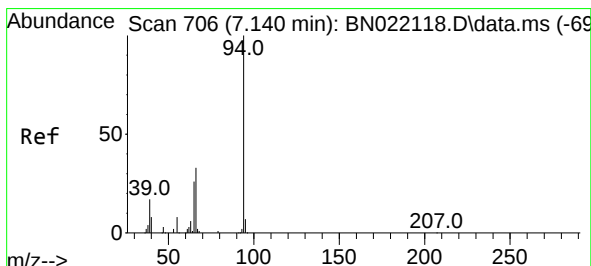
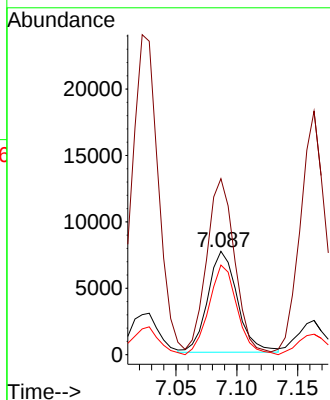
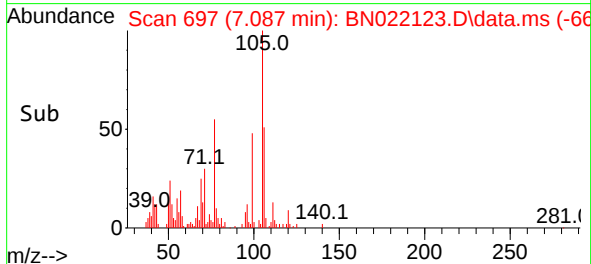
Instrument :
BNA_N
ClientSampleId :
C0BR9



Tgt Ion: 77 Resp: 12894
Ion Ratio Lower Upper
77 100
105 170.4 78.6 118.0
106 86.7 75.4 113.2

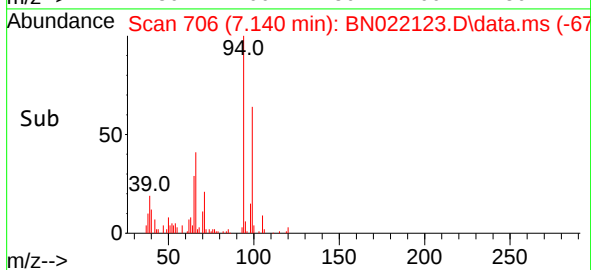
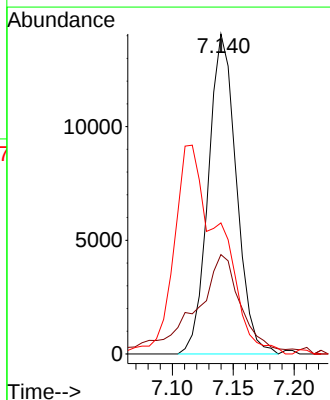
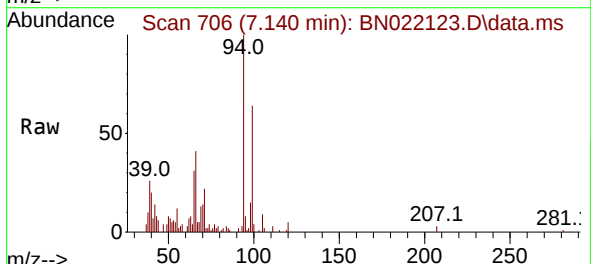
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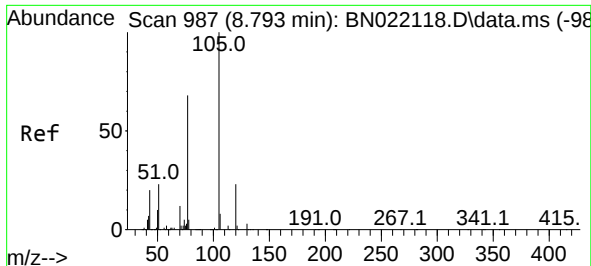
Reviewed By :Yogesh Patel 10/15/2022
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#8
Phenol
Concen: 1.193 ng/ul
RT: 7.140 min Scan# 706
Delta R.T. -0.000 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

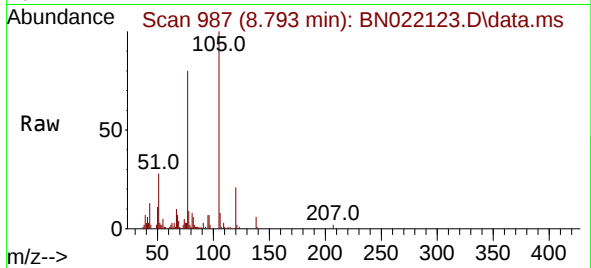
Tgt Ion: 94 Resp: 22518
Ion Ratio Lower Upper
94 100
65 31.1 22.1 33.1
66 41.0 29.0 43.6





#16
Acetophenone
Concen: 2.792 ng/ul m
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

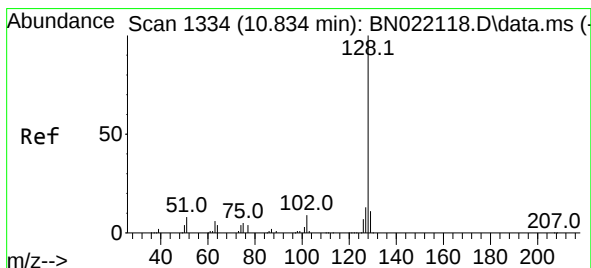
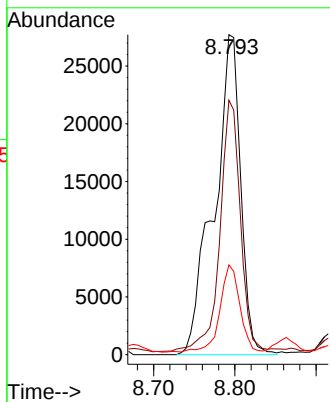
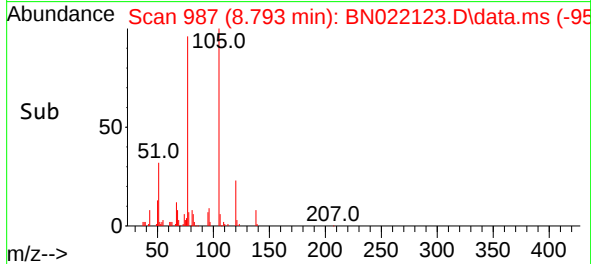
Instrument :
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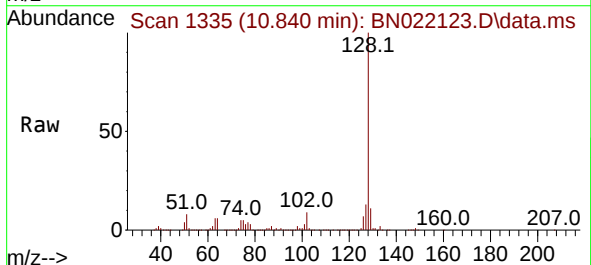
Tgt Ion:105 Resp: 63058
Ion Ratio Lower Upper
105 100
77 79.5 64.9 97.3
51 28.0 21.8 32.6

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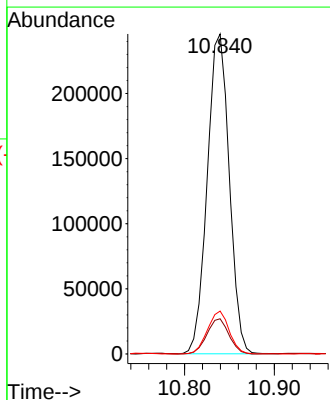
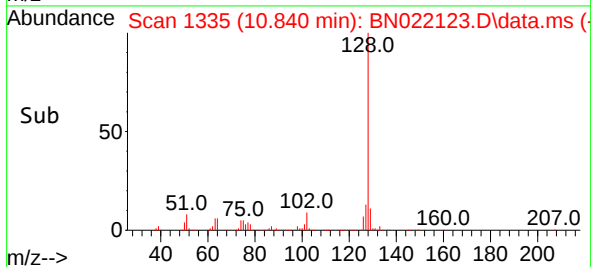
Reviewed By :Yogesh Patel 10/15/2022
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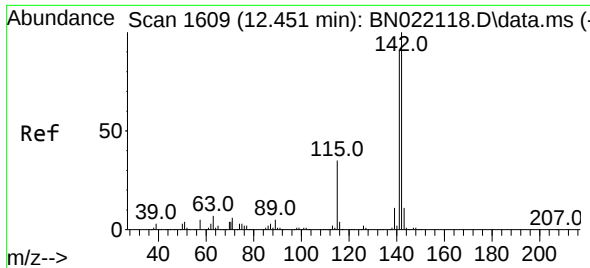


#30
Naphthalene
Concen: 9.264 ng/ul
RT: 10.840 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19



Tgt Ion:128 Resp: 418581
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.4 10.8 16.2





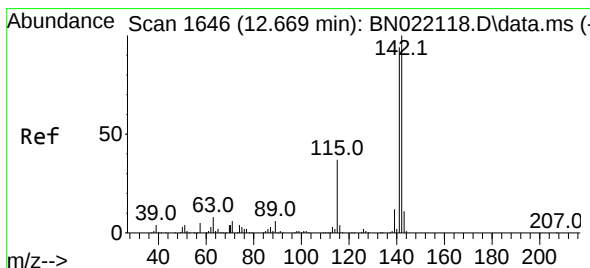
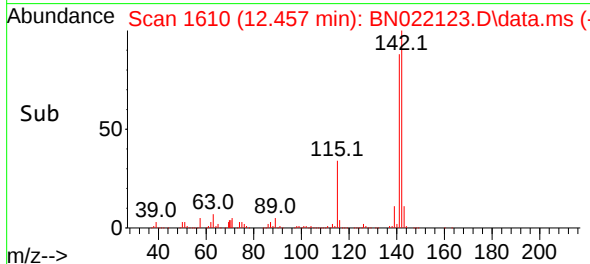
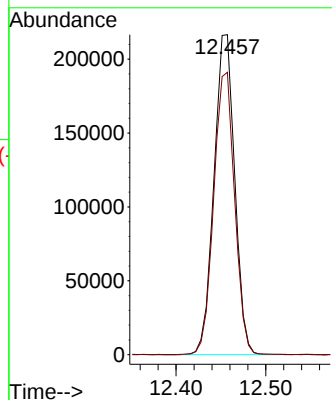
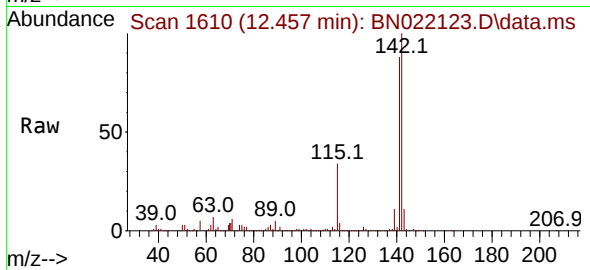
#36
2-Methylnaphthalene
Concen: 11.157 ng/ul
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:142 Resp: 348150
Ion Ratio Lower Upper
142 100
141 88.2 69.7 104.5

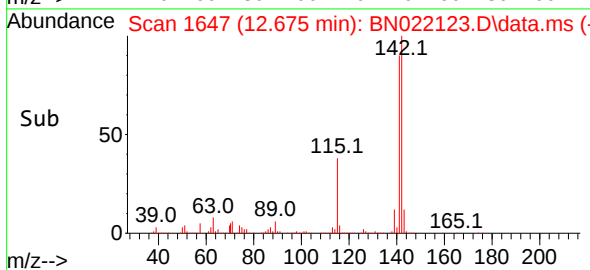
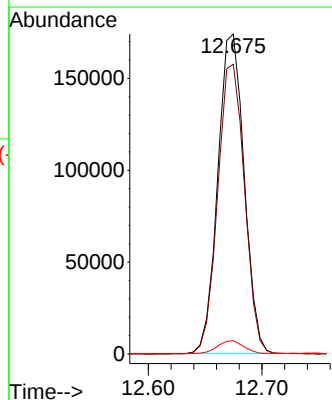
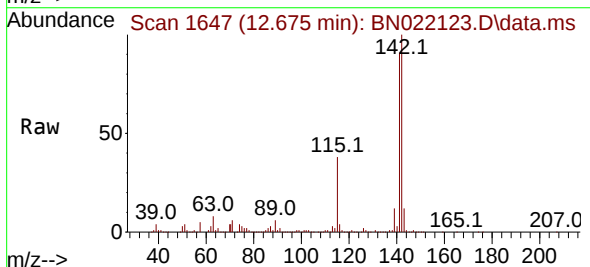
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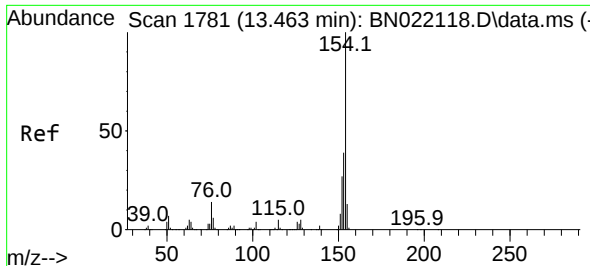
Reviewed By :Yogesh Patel 10/15/2022
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#37
1-Methylnaphthalene
Concen: 8.977 ng/ul
RT: 12.675 min Scan# 1647
Delta R.T. -0.000 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

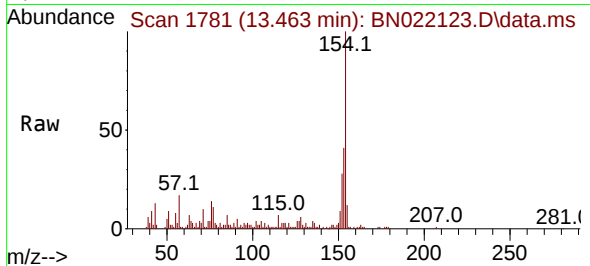
Tgt Ion:142 Resp: 280512
Ion Ratio Lower Upper
142 100
141 90.6 76.7 115.1
116 4.1 3.1 4.7





#43
1,1'-Biphenyl
Concen: 1.215 ng/ul
RT: 13.463 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

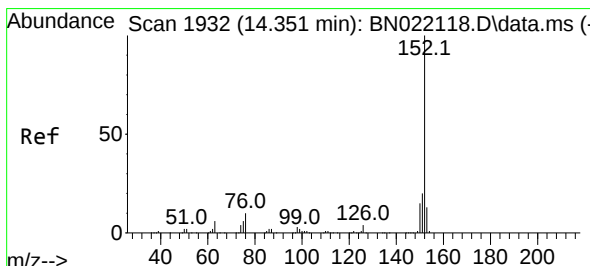
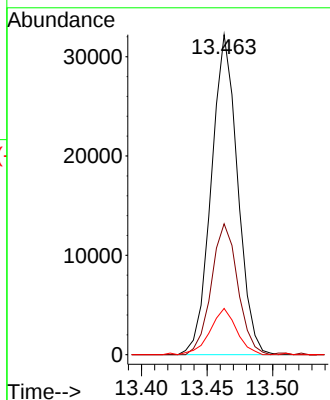
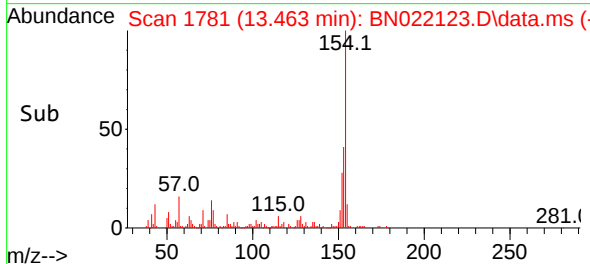
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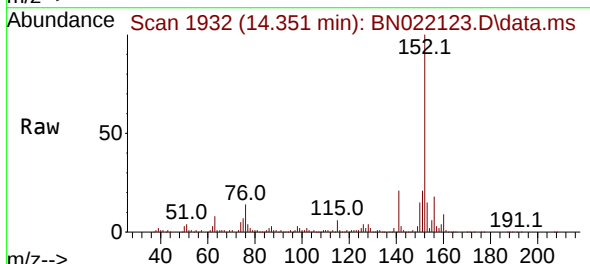
Tgt Ion:154 Resp: 45017
Ion Ratio Lower Upper
154 100
153 40.9 30.9 46.3
76 14.5 11.6 17.4

Manual Integrations
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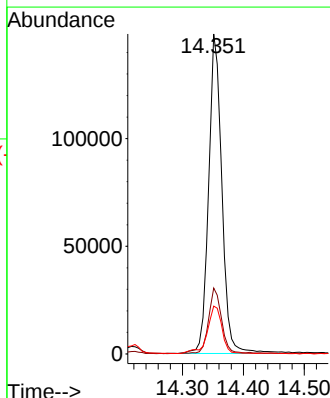
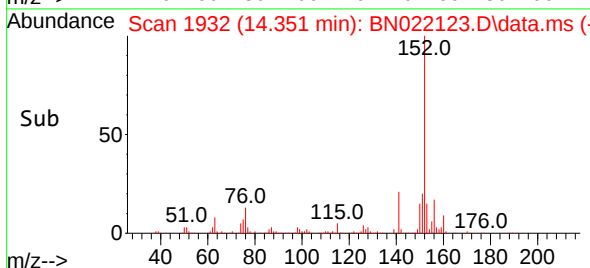
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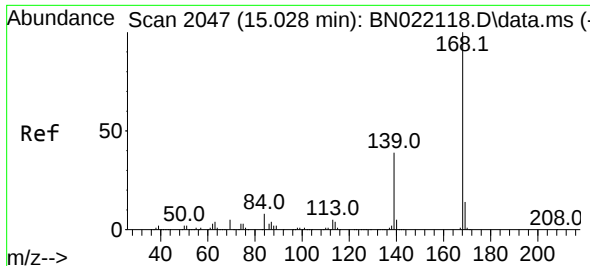


#50
Acenaphthylene
Concen: 4.976 ng/ul
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19



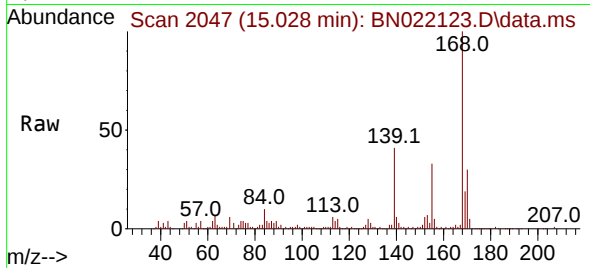
Tgt Ion:152 Resp: 224553
Ion Ratio Lower Upper
152 100
151 20.6 15.5 23.3
153 14.9 9.8 14.8#





#56
Dibenzo(furan)
Concen: 2.878 ng/ul
RT: 15.028 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

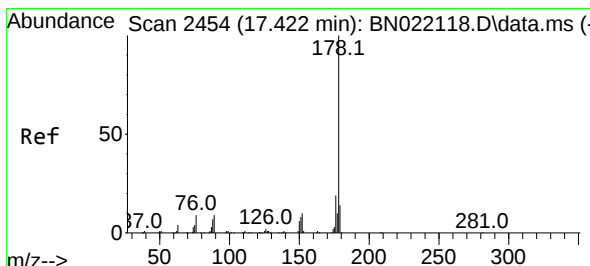
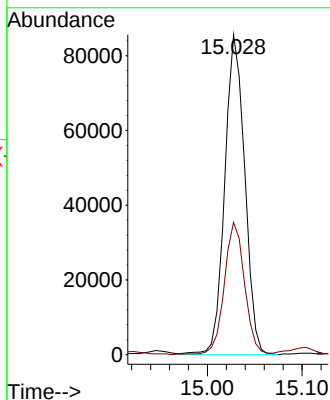
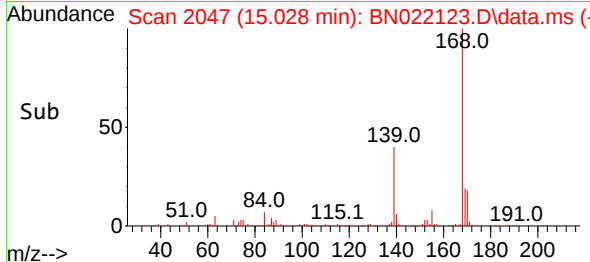
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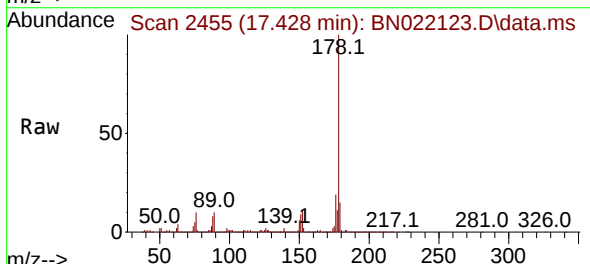
Tgt Ion:168 Resp: 125698
Ion Ratio Lower Upper
168 100
139 41.4 30.6 45.8

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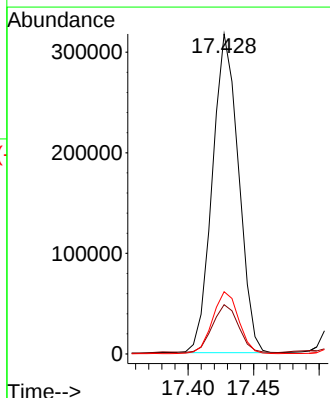
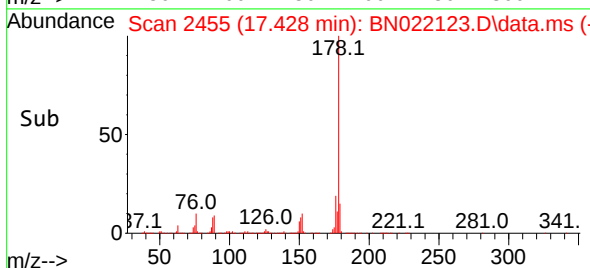
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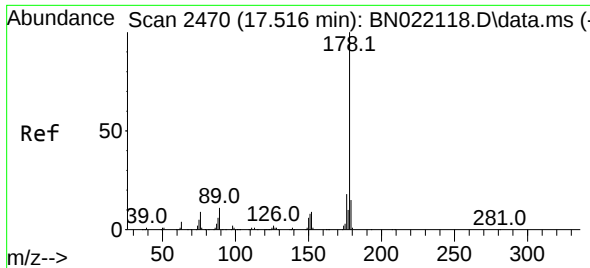


#72
Phenanthrene
Concen: 8.254 ng/ul
RT: 17.428 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19



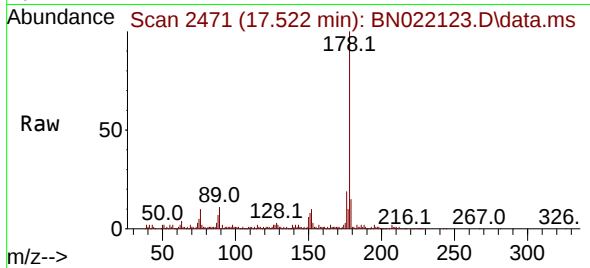
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Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.5 16.5 24.7





#74
 Anthracene
 Concen: 2.556 ng/ul
 RT: 17.522 min Scan# 2470
 Delta R.T. -0.000 min
 Lab File: BN022123.D
 Acq: 14 Oct 2022 14:19

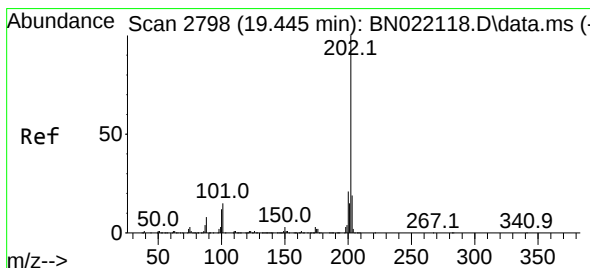
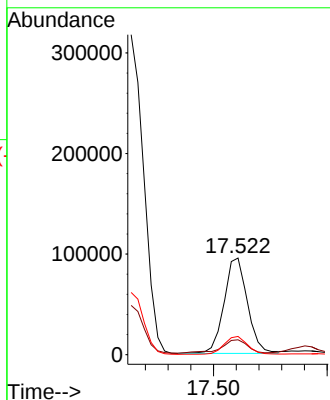
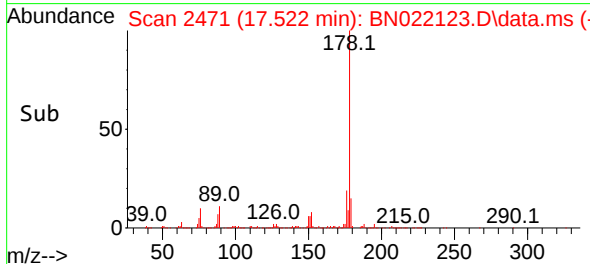
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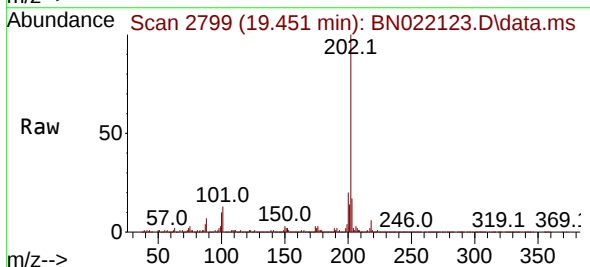
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 Ion Ratio Lower Upper
 178 100
 179 15.5 13.0 19.6
 176 18.9 15.8 23.6

Manual Integrations
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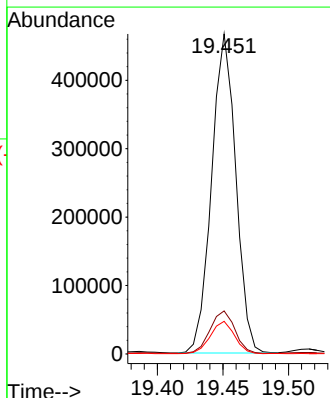
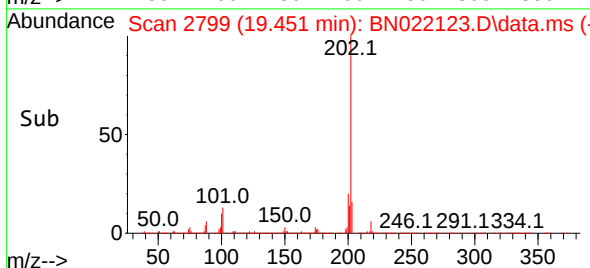
Reviewed By :Yogesh Patel 10/15/2022
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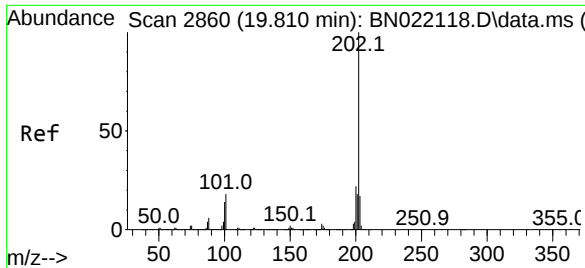


#80
 Fluoranthene
 Concen: 11.965 ng/ul
 RT: 19.451 min Scan# 2799
 Delta R.T. -0.006 min
 Lab File: BN022123.D
 Acq: 14 Oct 2022 14:19



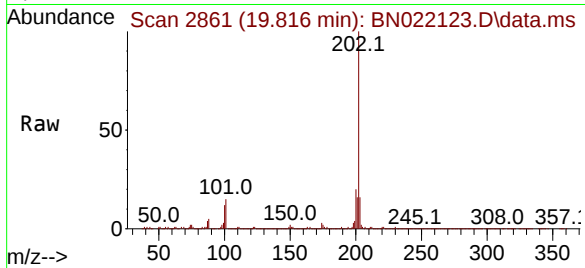
Tgt Ion:202 Resp: 599380
 Ion Ratio Lower Upper
 202 100
 101 13.4 10.3 15.5
 100 10.2 7.8 11.8





#82
Pyrene
Concen: 15.751 ng/ul
RT: 19.816 min Scan# 2861
Delta R.T. -0.000 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

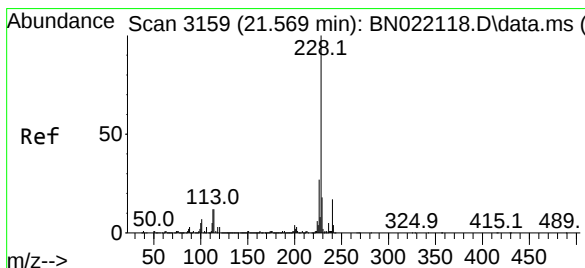
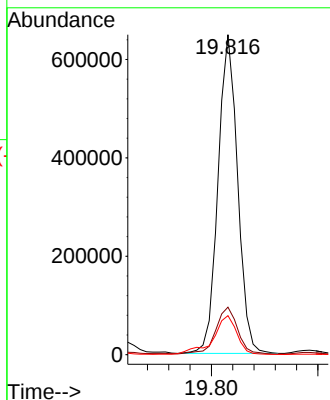
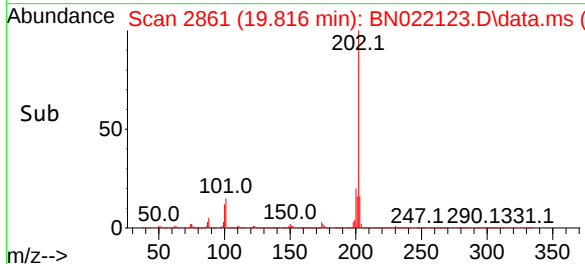
Instrument :
BNA_N
ClientSampleId :
C0BR9



Tgt Ion:202 Resp: 825506
Ion Ratio Lower Upper
202 100
101 14.9 13.4 20.0
100 12.2 10.9 16.3

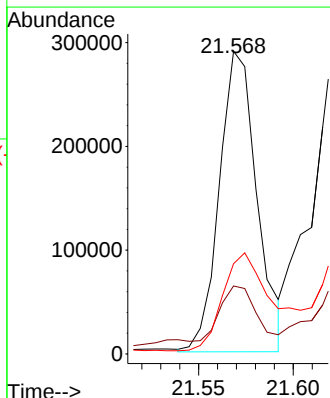
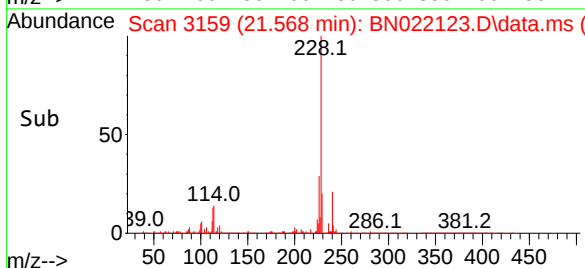
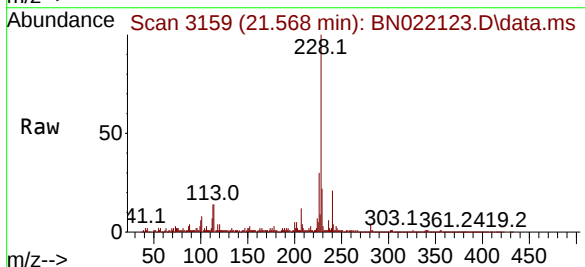
Manual Integrations
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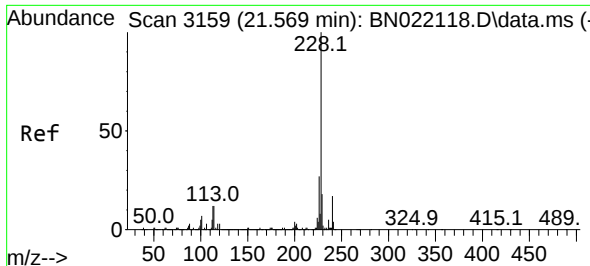
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#85
Benzo(a)anthracene
Concen: 7.839 ng/ul
RT: 21.568 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

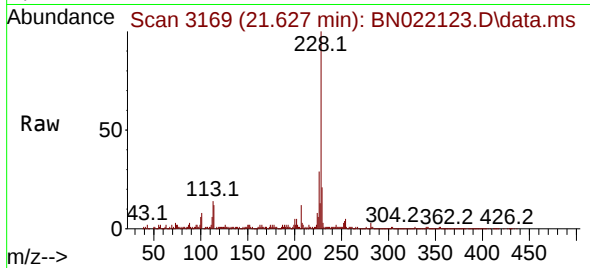
Tgt Ion:228 Resp: 401506
Ion Ratio Lower Upper
228 100
229 22.5 13.5 20.3#
226 29.8 21.0 31.6





#87
Chrysene
Concen: 10.421 ng/u1
RT: 21.627 min Scan# 3159
Delta R.T. -0.000 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

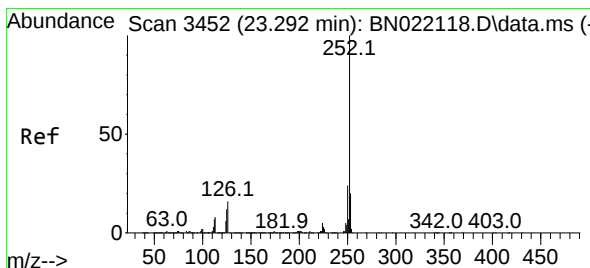
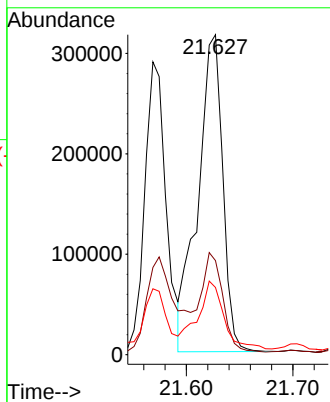
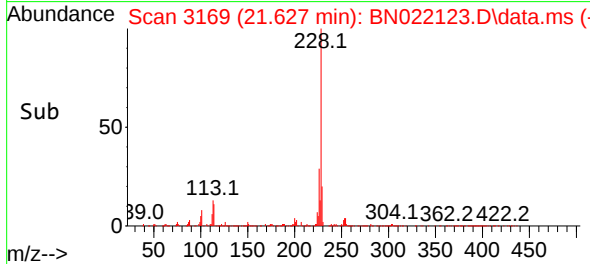
Instrument :
BNA_N
ClientSampleId :
C0BR9



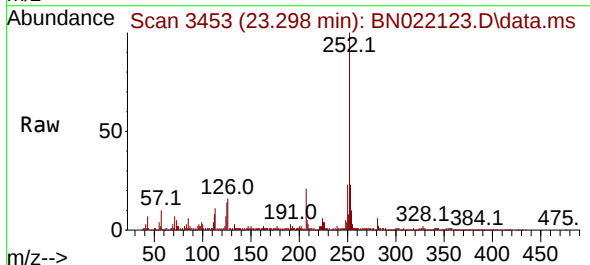
Tgt Ion:228 Resp: 512911
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.8
229 21.0 16.5 24.7

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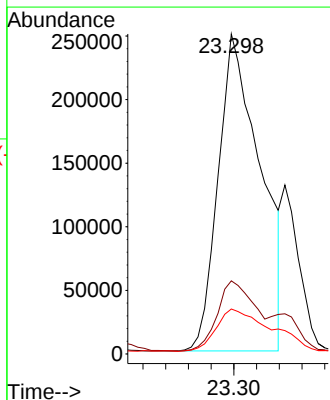
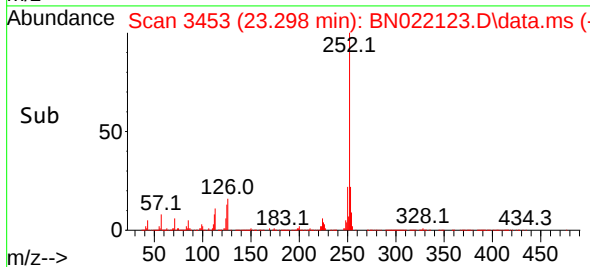
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

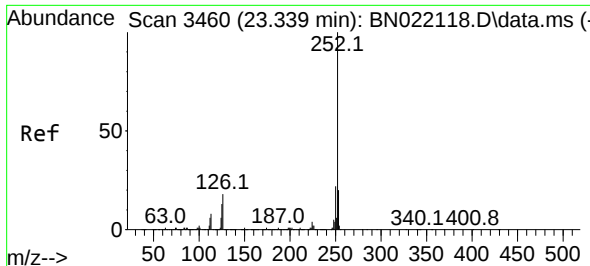


#90
Benzo(b)fluoranthene
Concen: 14.931 ng/u1
RT: 23.298 min Scan# 3453
Delta R.T. -0.000 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19



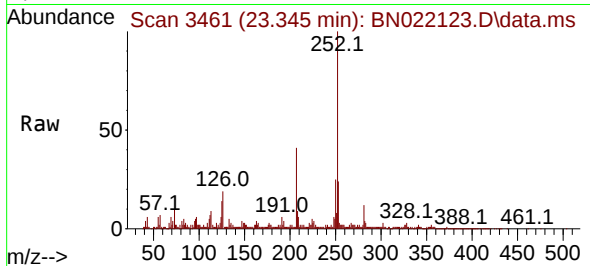
Tgt Ion:252 Resp: 642700
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 14.1 10.7 16.1





#91
Benzo(k)fluoranthene
Concen: 3.339 ng/ul m
RT: 23.345 min Scan# 3460
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

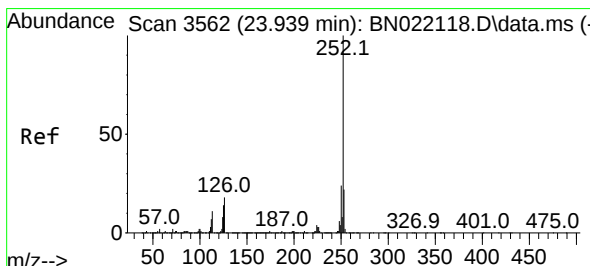
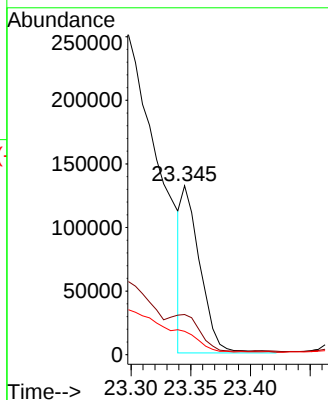
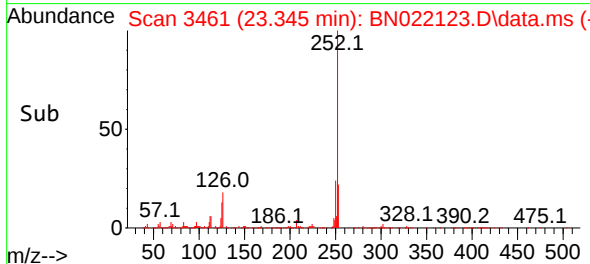
Instrument :
BNA_N
ClientSampleId :
C0BR9



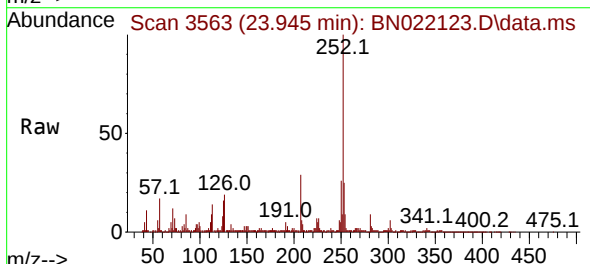
Tgt Ion:252 Resp: 14198
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 13.9 10.6 15.8

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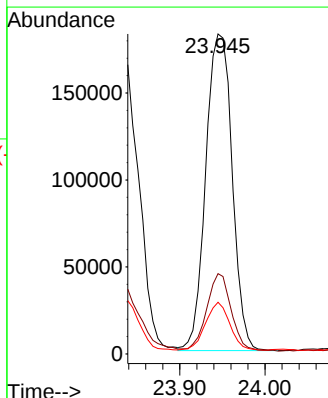
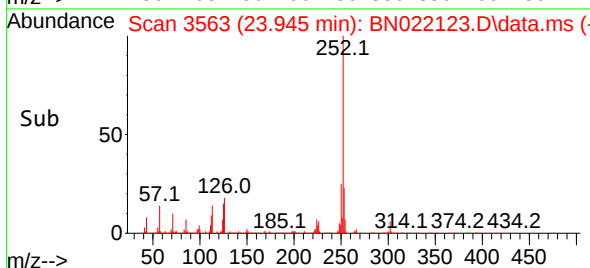
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

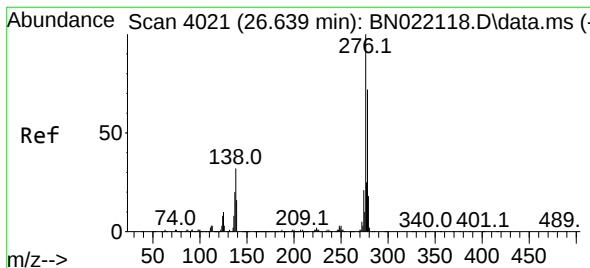


#93
Benzo(a)pyrene
Concen: 10.212 ng/ul
RT: 23.945 min Scan# 3563
Delta R.T. -0.006 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19



Tgt Ion:252 Resp: 392852
Ion Ratio Lower Upper
252 100
253 25.1 17.2 25.8
125 16.2 10.8 16.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.546 ng/ul

RT: 26.645 min Scan# 4021

Delta R.T. -0.018 min

Lab File: BN022123.D

Acq: 14 Oct 2022 14:19

Instrument :

BNA_N

ClientSampleId :

C0BR9

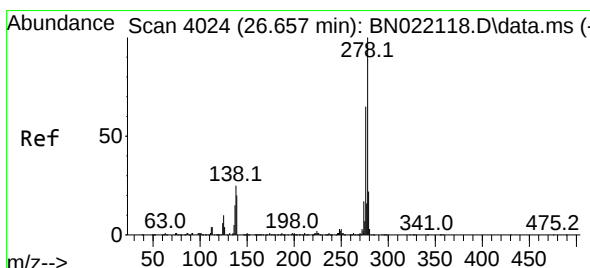
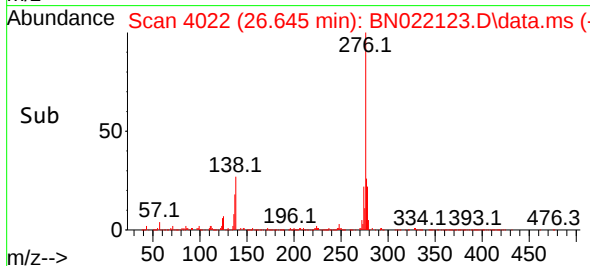
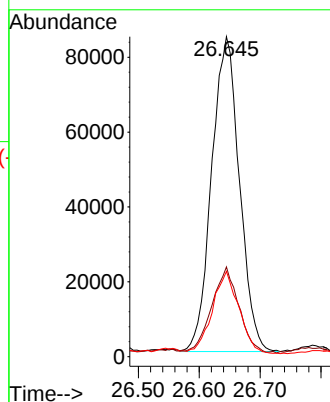
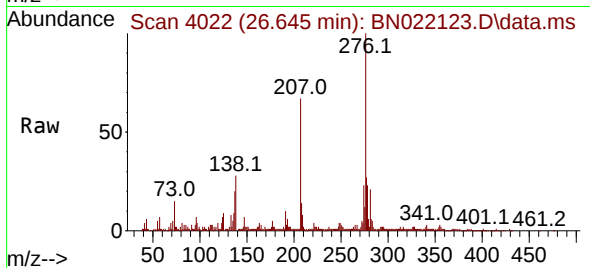
Tgt Ion:276 Resp: 266660
 Ion Ratio Lower Upper
 276 100
 138 28.0 24.6 36.8
 277 26.6 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2022

Supervised By :mohammad ahmed 10/16/2022



#95

Dibenzo(a,h)anthracene

Concen: 1.678 ng/ul

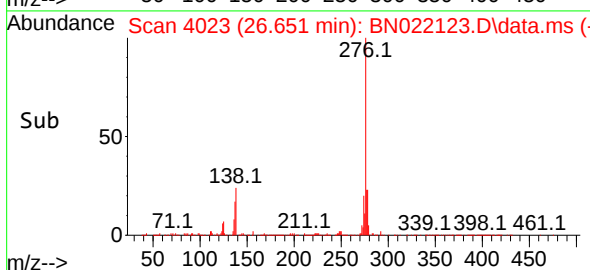
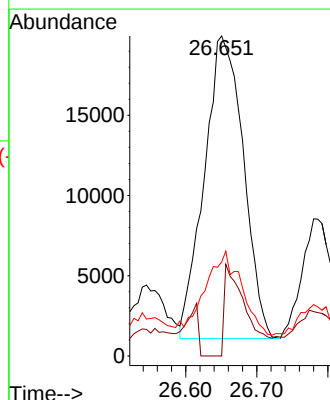
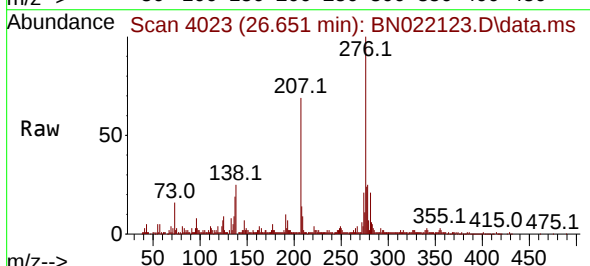
RT: 26.651 min Scan# 4023

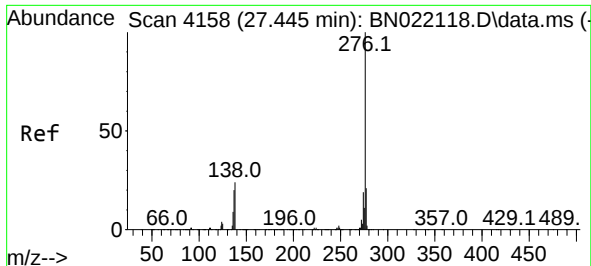
Delta R.T. -0.024 min

Lab File: BN022123.D

Acq: 14 Oct 2022 14:19

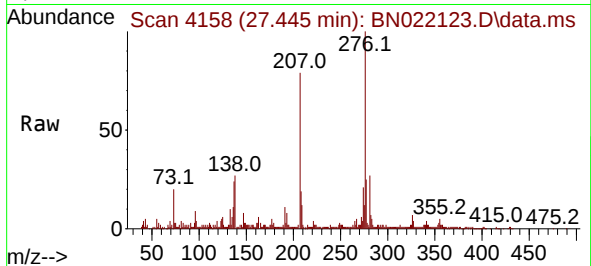
Tgt Ion:278 Resp: 72196
 Ion Ratio Lower Upper
 278 100
 139 0.0 15.7 23.5#
 279 29.4 16.5 24.7#





#96
Benzo(g,h,i)perylene
Concen: 5.369 ng/ul
RT: 27.445 min Scan# 4158
Delta R.T. -0.012 min
Lab File: BN022123.D
Acq: 14 Oct 2022 14:19

Instrument :
BNA_N
ClientSampleId :
C0BR9



Tgt Ion: 276 Resp: 23226
Ion Ratio Lower Upper
276 100
138 26.6 21.2 31.8
277 25.0 17.9 26.9

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 10/15/2022
Supervised By : mohammad ahmed 10/16/2022

