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 Data File : BN031808.D
 Acq On : 05 Jun 2024 20:24
 Operator : MA/JU
 Sample : P2591-10DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ1DL

Quant Time: Jun 06 04:14:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

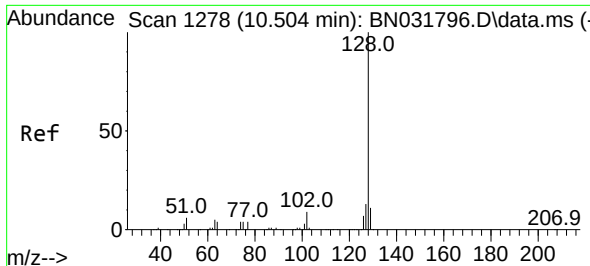
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

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 ahmed

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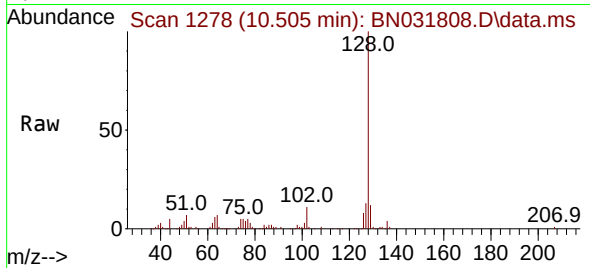
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	323669	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.458	136	1517431	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.316	164	1011404	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.063	188	2123120	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	2091837	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	2493706	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	3156	0.403	ng/uL	-0.01
4) Pyridine-d5	3.611	84	9018	0.409	ng/u1	0.01
7) Phenol-d5	6.846	99	85112	3.067	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.016	67	45649	2.813	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.205	132	64056	3.026	ng/u1	-0.01
15) 4-Methylphenol-d8	8.381	113	67767	2.996	ng/u1	0.00
21) Nitrobenzene-d5	8.828	128	33179	2.860	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	32334	2.698	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	65251	2.916	ng/u1	0.00
31) 4-Chloroaniline-d4	10.599	131	52492	1.580	ng/u1	-0.01
46) Dimethylphthalate-d6	13.728	166	217840	3.092	ng/u1	-0.02
49) Acenaphthylene-d8	14.010	160	252046	3.111	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	28297	2.006	ng/u1	0.00
60) Fluorene-d10	15.310	176	191084	3.205	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.163	188	300706	3.308	ng/u1	0.00
81) Pyrene-d10	19.463	212	333514	2.979	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	263657	2.214	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.505	128	97022	1.235	ng/u1	99
52) Acenaphthene	14.381	153	107759	1.779	ng/u1	99
56) Dibenzofuran	14.716	168	167540	2.035	ng/u1	98
61) Fluorene	15.369	166	109460	1.651	ng/u1	100
72) Phenanthrene	17.110	178	3343466	30.914	ng/u1	99
74) Anthracene	17.198	178	596322	5.441	ng/u1	99
77) Carbazole	17.469	167	429411	4.595	ng/u1	98
80) Fluoranthene	19.128	202	5352133	40.008	ng/u1	99
82) Pyrene	19.492	202	3837705	27.960	ng/u1	99
85) Benzo(a)anthracene	21.280	228	2662314	19.014	ng/u1	98
87) Chrysene	21.345	228	2411579m	18.439	ng/u1	
90) Benzo(b)fluoranthene	23.316	252	3287349	22.055	ng/u1	97
91) Benzo(k)fluoranthene	23.369	252	1237757	8.463	ng/u1	97
93) Benzo(a)pyrene	24.098	252	1280719	9.174	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.545	276	950341	5.908	ng/u1	97
95) Dibenzo(a,h)anthracene	27.586	278	359988m	2.741	ng/u1	

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



#30
Naphthalene
Concen: 1.235 ng/ul
RT: 10.505 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BN031808.D
Acq: 05 Jun 2024 20:24

Instrument :
BNA_N
ClientSampleId :
BHBQ1DL



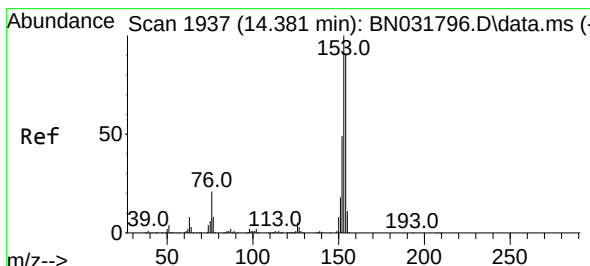
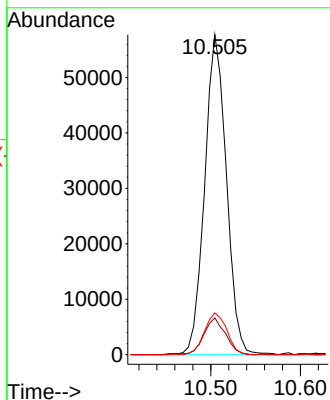
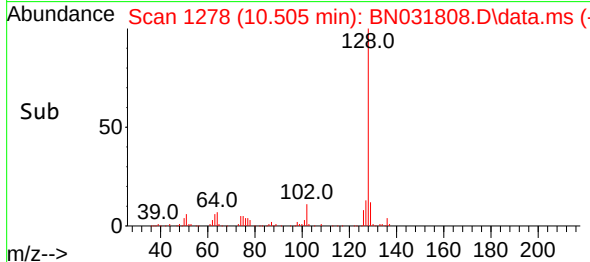
Tgt Ion:128 Resp: 9702
Ion Ratio Lower Upper
128 100
129 11.5 8.5 12.7
127 13.0 10.3 15.5

Manual Integrations
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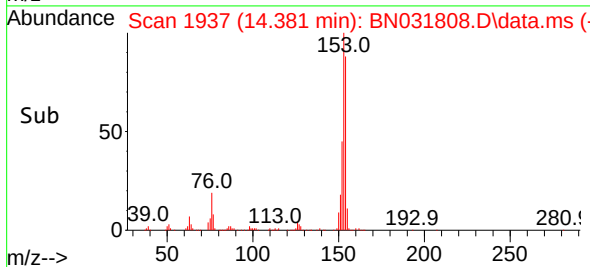
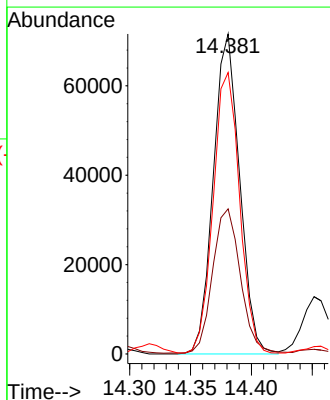
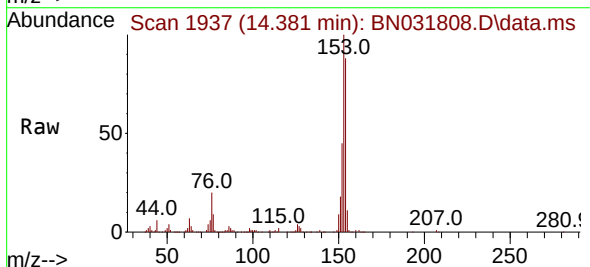
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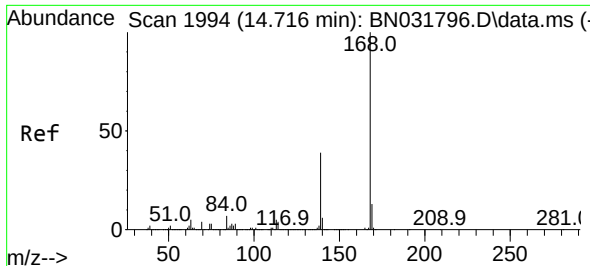
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#52
Acenaphthene
Concen: 1.779 ng/ul
RT: 14.381 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BN031808.D
Acq: 05 Jun 2024 20:24

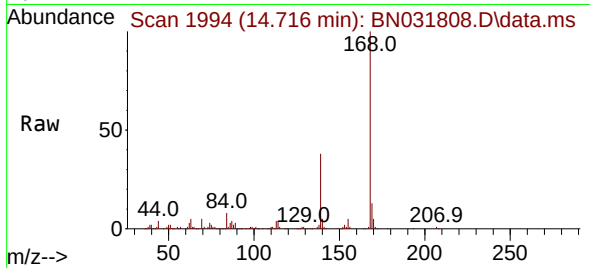
Tgt Ion:153 Resp: 107759
Ion Ratio Lower Upper
153 100
152 45.3 37.8 56.6
154 87.9 69.8 104.8





#56
Dibenzenofuran
Concen: 2.035 ng/ul
RT: 14.716 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BN031808.D
Acq: 05 Jun 2024 20:24

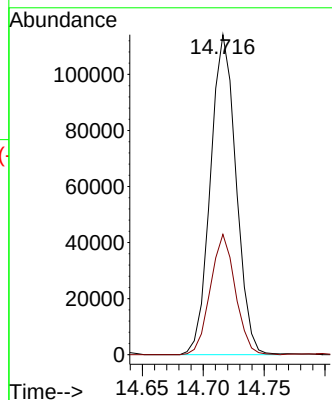
Instrument :
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ClientSampleId :
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Tgt Ion:168 Resp: 167540
Ion Ratio Lower Upper
168 100
139 37.6 29.4 44.0

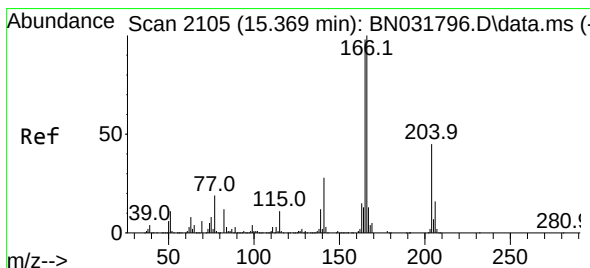
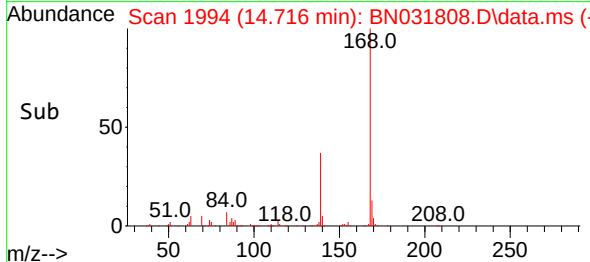
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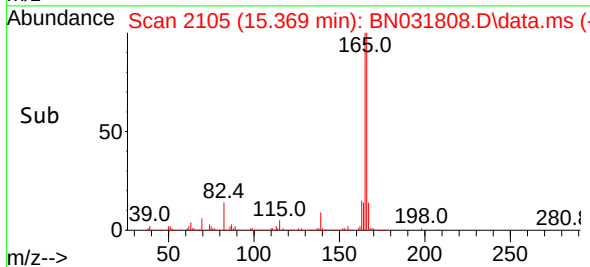
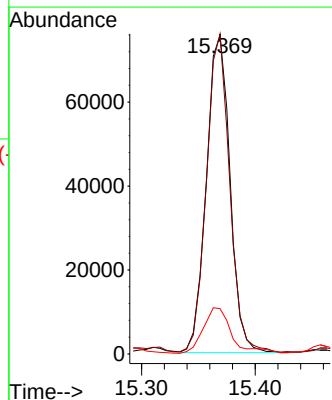
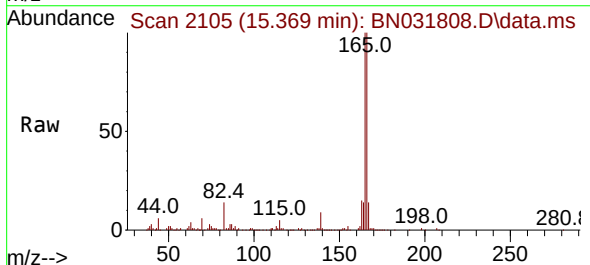
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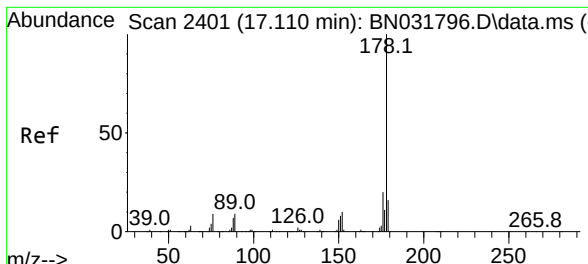
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#61
Fluorene
Concen: 1.651 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BN031808.D
Acq: 05 Jun 2024 20:24

Tgt Ion:166 Resp: 109460
Ion Ratio Lower Upper
166 100
165 100.4 80.3 120.5
167 14.2 11.3 16.9





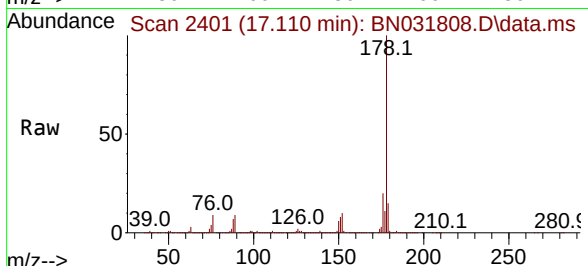
#72
 Phenanthrene
 Concen: 30.914 ng/uI
 RT: 17.110 min Scan# 2401
 Delta R.T. -0.006 min
 Lab File: BN031808.D
 Acq: 05 Jun 2024 20:24

Instrument :

BNA_N

ClientSampleId :

BHBQ1DL



Tgt Ion:178 Resp: 334346
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.6 19.0
 176 19.8 15.8 23.6

Manual Integrations

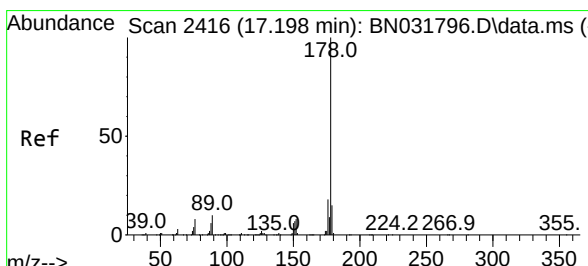
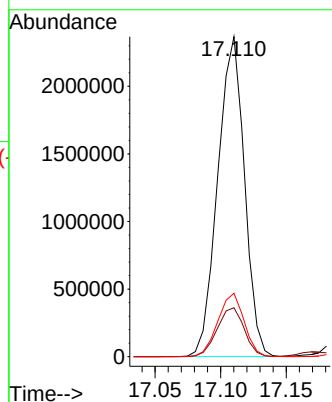
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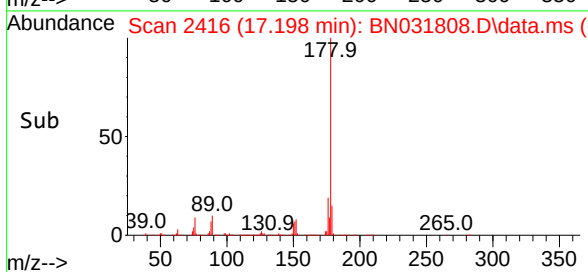
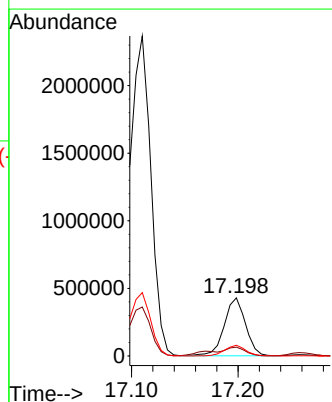
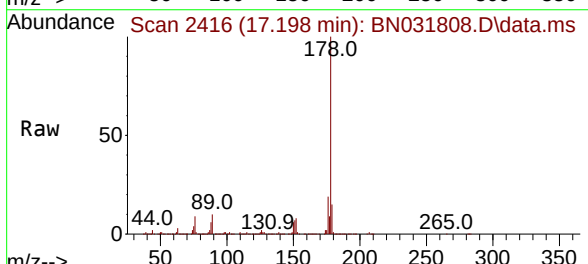
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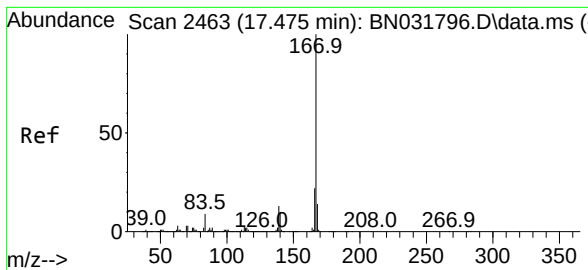
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#74
 Anthracene
 Concen: 5.441 ng/uI
 RT: 17.198 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BN031808.D
 Acq: 05 Jun 2024 20:24

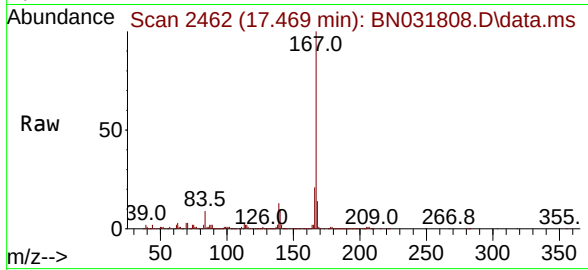
Tgt Ion:178 Resp: 596322
 Ion Ratio Lower Upper
 178 100
 179 15.2 11.8 17.6
 176 18.5 14.8 22.2





#77
 Carbazole
 Concen: 4.595 ng/ul
 RT: 17.469 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BN031808.D
 Acq: 05 Jun 2024 20:24

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ1DL



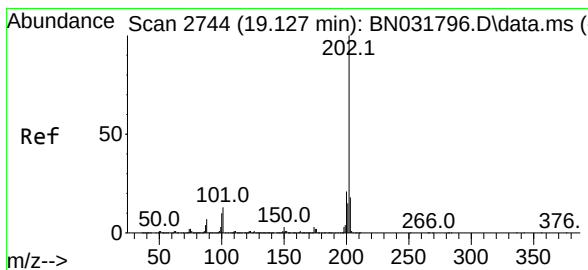
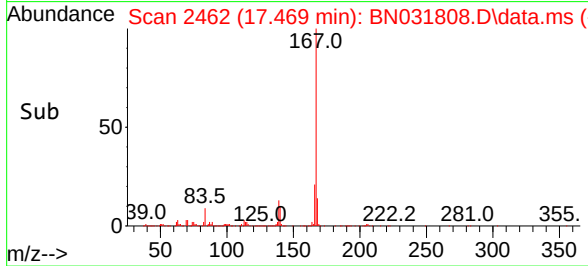
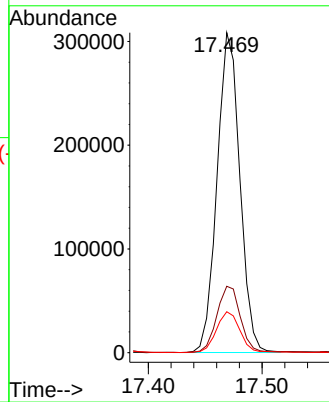
Tgt Ion:167 Resp: 42941
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.9 26.9
 139 12.8 10.5 15.7

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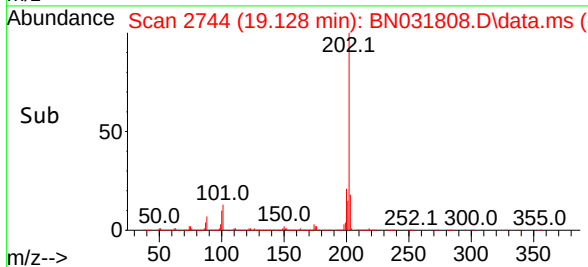
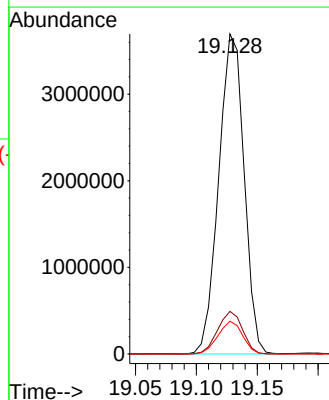
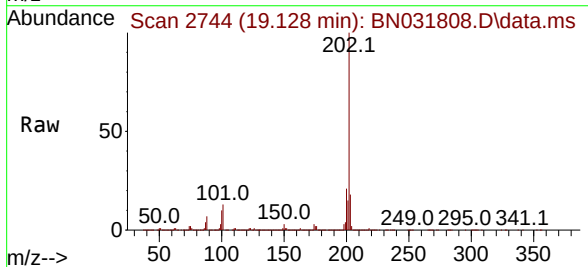
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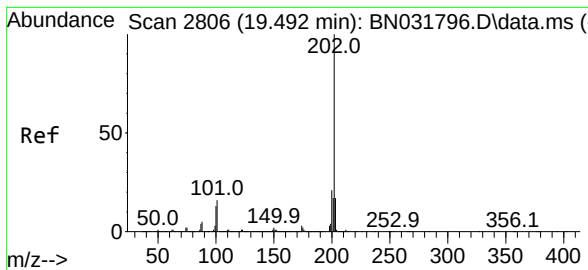
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#80
 Fluoranthene
 Concen: 40.008 ng/ul
 RT: 19.128 min Scan# 2744
 Delta R.T. -0.006 min
 Lab File: BN031808.D
 Acq: 05 Jun 2024 20:24

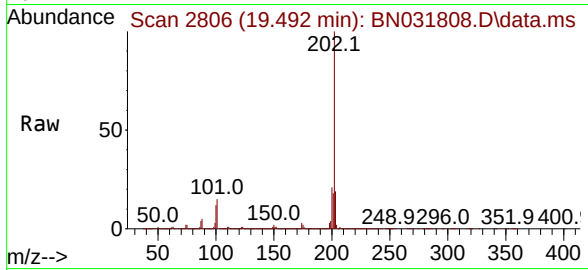
Tgt Ion:202 Resp: 5352133
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.3 15.5
 100 10.3 8.0 12.0





#82
 Pyrene
 Concen: 27.960 ng/ul
 RT: 19.492 min Scan# 2100
 Delta R.T. 0.000 min
 Lab File: BN031808.D
 Acq: 05 Jun 2024 20:24

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ1DL



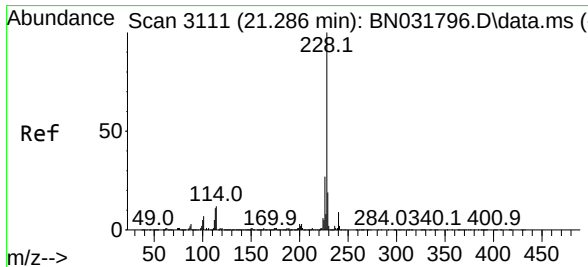
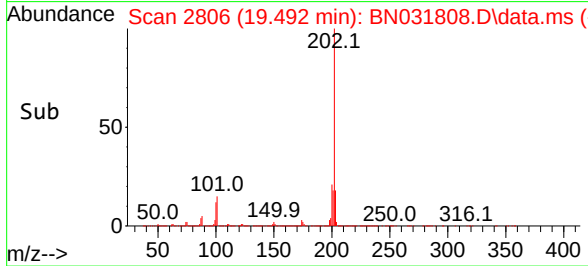
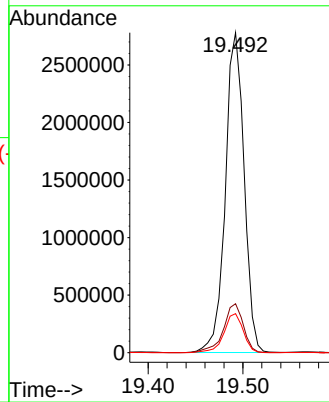
Tgt Ion:202 Resp: 383770
 Ion Ratio Lower Upper
 202 100
 101 15.3 12.6 18.8
 100 12.2 10.2 15.2

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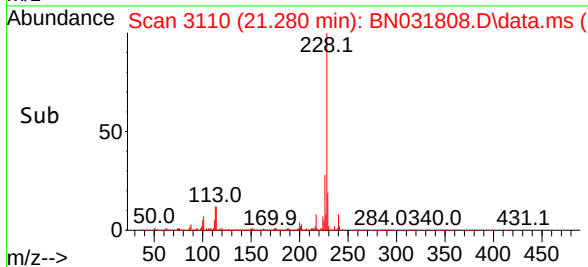
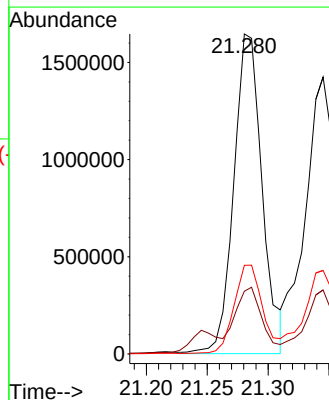
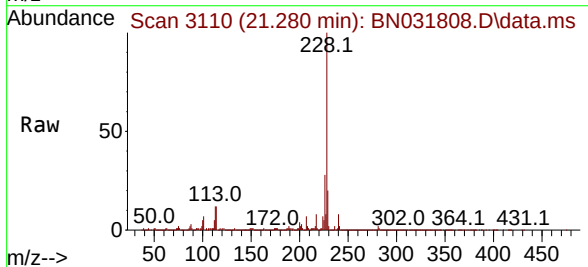
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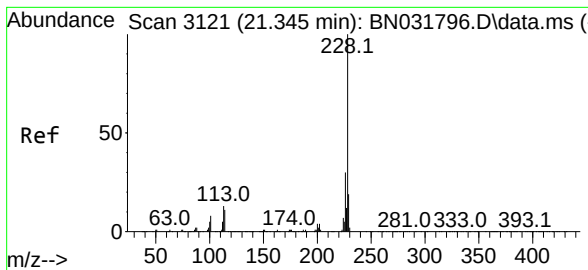
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#85
 Benzo(a)anthracene
 Concen: 19.014 ng/ul
 RT: 21.280 min Scan# 3110
 Delta R.T. -0.006 min
 Lab File: BN031808.D
 Acq: 05 Jun 2024 20:24

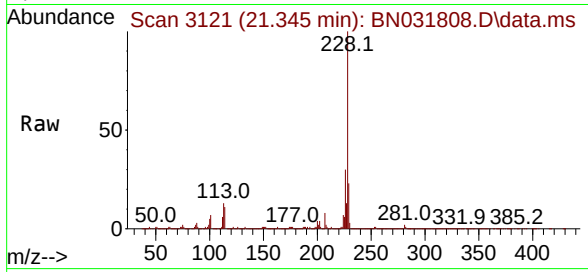
Tgt Ion:228 Resp: 2662314
 Ion Ratio Lower Upper
 228 100
 229 19.6 16.7 25.1
 226 27.7 22.8 34.2





#87
Chrysene
 Concen: 18.439 ng/ul m
 RT: 21.345 min Scan# 3121
 Delta R.T. -0.006 min
 Lab File: BN031808.D
 Acq: 05 Jun 2024 20:24

Instrument :
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 BHBQ1DL

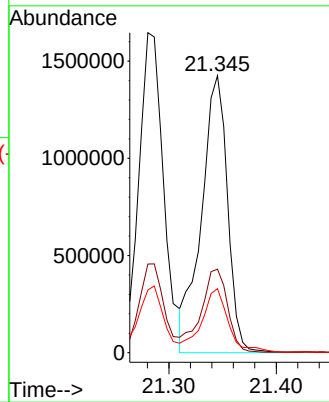


Tgt Ion:228 Resp: 2411579

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.7	35.5
229	23.1	15.1	22.7

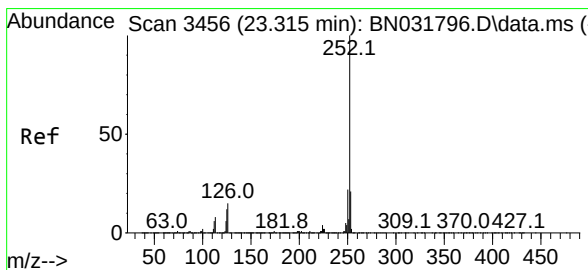
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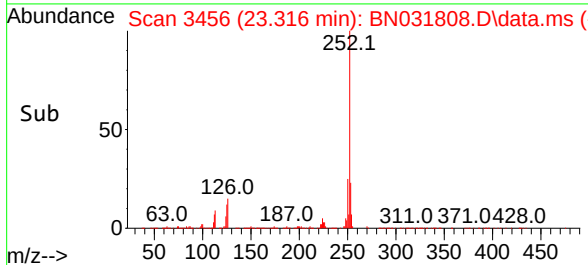
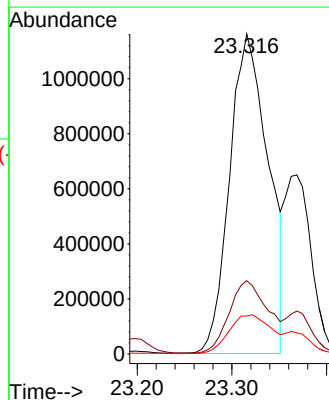
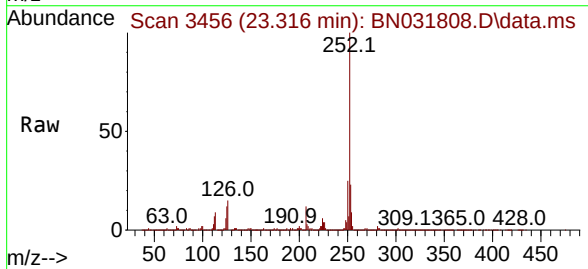
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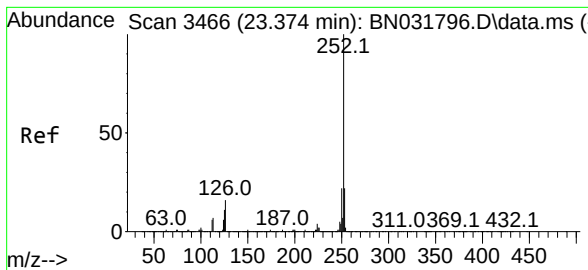


#90
Benzo(b)fluoranthene
 Concen: 22.055 ng/ul
 RT: 23.316 min Scan# 3456
 Delta R.T. 0.006 min
 Lab File: BN031808.D
 Acq: 05 Jun 2024 20:24

Tgt Ion:252 Resp: 3287349

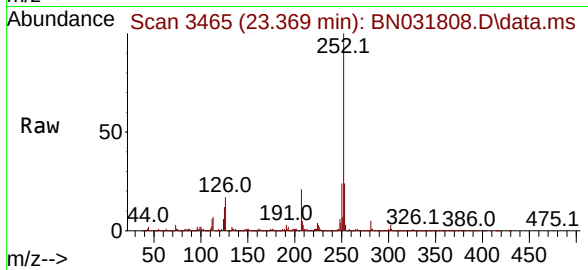
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	11.9	9.2	13.8





#91
Benzo(k)fluoranthene
Concen: 8.463 ng/u1
RT: 23.369 min Scan# 3465
Delta R.T. -0.006 min
Lab File: BN031808.D
Acq: 05 Jun 2024 20:24

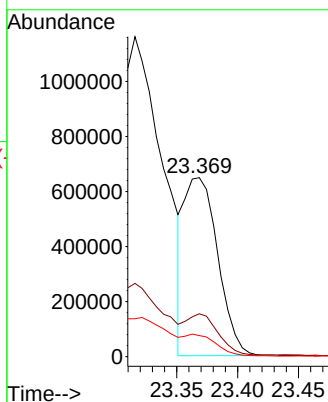
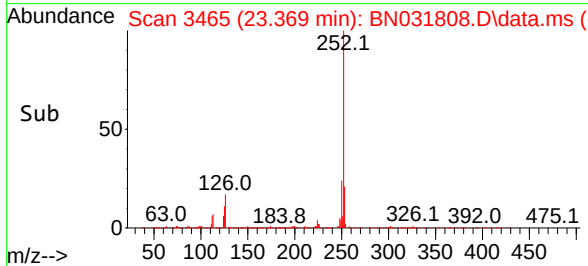
Instrument : BNA_N
ClientSampleId : BHBQ1DL



Tgt Ion:252 Resp: 123775
Ion Ratio Lower Upper
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253 23.9 17.6 26.4
125 11.8 9.4 14.2

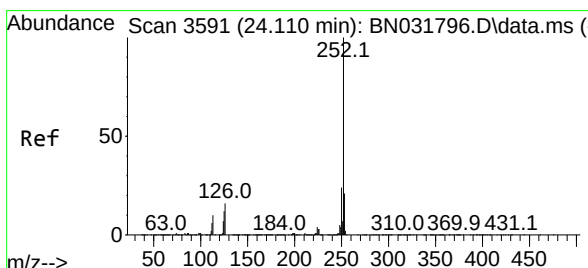
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Supervised By :mohammad ahmed 06/07/2024



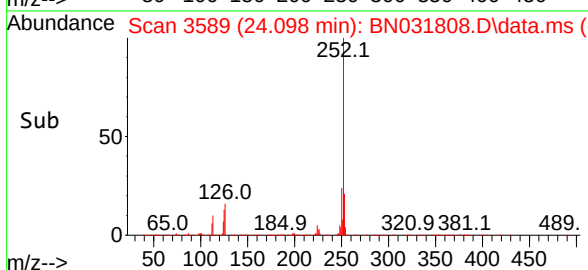
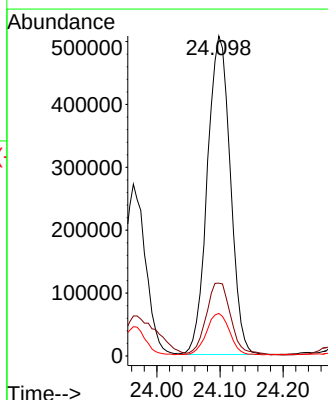
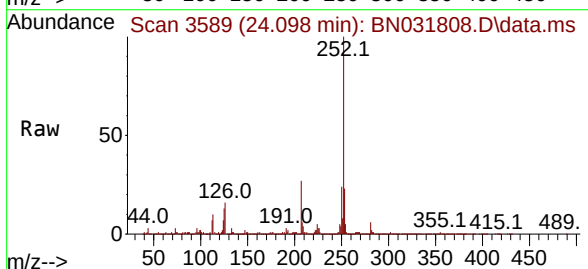
06/06/2024
Supervised By :mohammad
ahmed

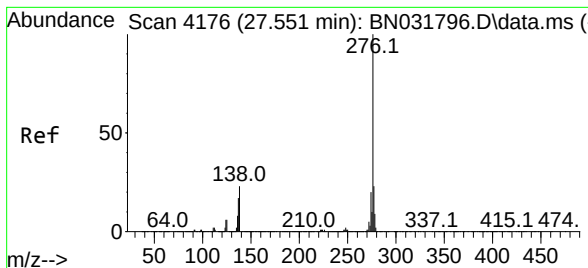
06/07/2024



#93
Benzo(a)pyrene
Concen: 9.174 ng/u1
RT: 24.098 min Scan# 3589
Delta R.T. -0.006 min
Lab File: BN031808.D
Acq: 05 Jun 2024 20:24

Tgt Ion:252 Resp: 1280719
Ion Ratio Lower Upper
252 100
253 22.7 16.6 24.8
125 13.3 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.908 ng/ul

RT: 27.545 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BN031808.D

Acq: 05 Jun 2024 20:24

Instrument :

BNA_N

ClientSampleId :

BHBQ1DL

Tgt Ion:276 Resp: 95034

Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.1	27.1
277	23.7	18.2	27.2

Manual Integrations

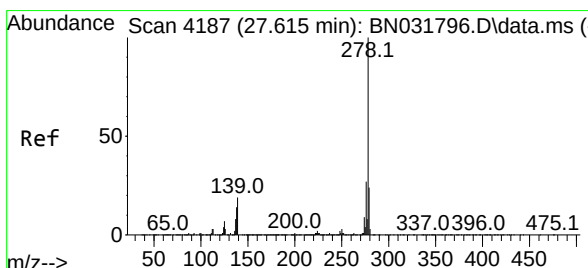
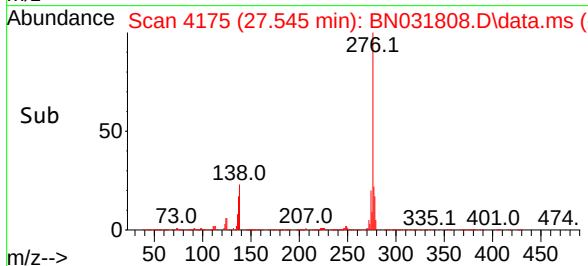
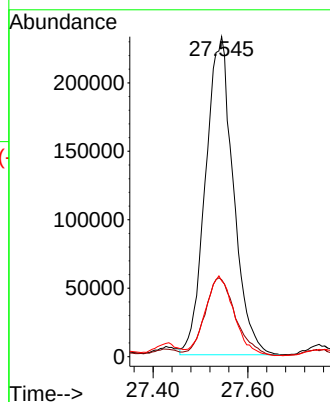
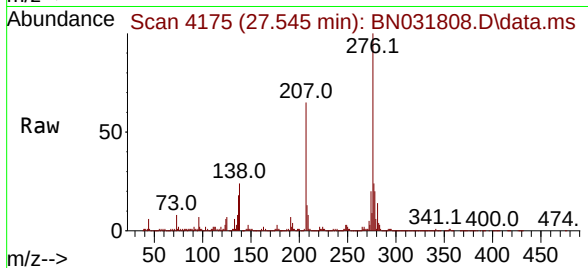
APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

06/06/2024

Supervised By :mohammad
ahmed

06/07/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.741 ng/ul m

RT: 27.586 min Scan# 4182

Delta R.T. -0.018 min

Lab File: BN031808.D

Acq: 05 Jun 2024 20:24

Tgt Ion:278 Resp: 359988

Ion	Ratio	Lower	Upper
278	100		
139	17.8	15.0	22.6
279	25.9	17.4	26.0

