

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031952.D
 Acq On : 12 Jun 2024 21:57
 Operator : MA/JU
 Sample : P2678-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH689

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/14/2024

Quant Time: Jun 12 23:49:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.664	152	502678	20.000	ng/u1	0.00
20) Naphthalene-d8	10.446	136	2134431	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	1244168	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.057	188	2039295	20.000	ng/u1	0.00
79) Chrysene-d12	21.292	240	1356888	20.000	ng/u1	0.00
88) Perylene-d12	24.227	264	1625952	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	43108	3.548	ng/uL	0.00
4) Pyridine-d5	3.587	84	225693	6.599	ng/u1	0.00
7) Phenol-d5	6.840	99	941576	21.850	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	532894	21.141	ng/u1	0.00
11) 2-Chlorophenol-d4	7.199	132	783738	23.835	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	722856	20.578	ng/u1	0.00
21) Nitrobenzene-d5	8.822	128	390120	23.905	ng/u1	0.00
24) 2-Nitrophenol-d4	9.534	143	432277	25.642	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	744475	23.655	ng/u1	0.00
31) 4-Chloroaniline-d4	10.587	131	565206	12.095	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	2102034	24.252	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	2433909	24.421	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	282052	16.252	ng/u1	0.00
60) Fluorene-d10	15.304	176	1690650	23.053	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	154563	15.079	ng/u1	0.00
73) Anthracene-d10	17.151	188	2165457	24.803	ng/u1	0.00
81) Pyrene-d10	19.457	212	1711839	23.576	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.021	264	1383903	17.825	ng/u1	0.00
Target Compounds					Qvalue	
16) Acetophenone	8.481	105	91929m	1.727	ng/u1	
30) Naphthalene	10.493	128	122181	1.106	ng/u1	98
36) 2-Methylnaphthalene	12.110	142	87492	1.159	ng/u1	97
50) Acenaphthylene	14.028	152	211241	1.875	ng/u1	99
52) Acenaphthene	14.369	153	91965	1.234	ng/u1	97
56) Dibenzofuran	14.704	168	111796	1.104	ng/u1	93
61) Fluorene	15.357	166	112717	1.382	ng/u1	95
72) Phenanthrene	17.098	178	2102882	20.243	ng/u1	99
74) Anthracene	17.187	178	450377	4.279	ng/u1	99
77) Carbazole	17.463	167	208782	2.326	ng/u1	99
80) Fluoranthene	19.122	202	3113350	35.878	ng/u1	97
82) Pyrene	19.486	202	2327008	26.137	ng/u1	96
83) Butylbenzylphthalate	20.392	149	51189	1.217	ng/u1	91
85) Benzo(a)anthracene	21.275	228	1354360	14.912	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.198	149	99817	1.628	ng/u1#	99
87) Chrysene	21.333	228	1434566m	16.910	ng/u1	
90) Benzo(b)fluoranthene	23.298	252	2044280	21.035	ng/u1	99
91) Benzo(k)fluoranthene	23.351	252	656330m	6.882	ng/u1	
93) Benzo(a)pyrene	24.086	252	843030	9.262	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	27.521	276	814861	7.769	ng/u1	96
95) Dibenzo(a,h)anthracene	27.562	278	264423	3.088	ng/u1#	86
96) Benzo(g,h,i)perylene	28.551	276	119569m	1.434	ng/u1	

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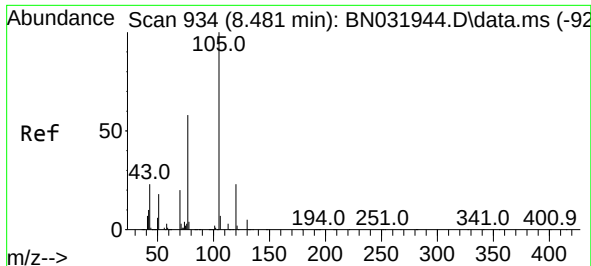
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/14/2024

Quant Time: Jun 12 23:49:43 2024
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Quant Title : SVOA CALIBRATION
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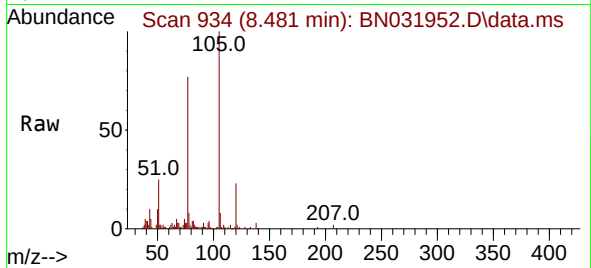
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#16
Acetophenone
Concen: 1.727 ng/ul m
RT: 8.481 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

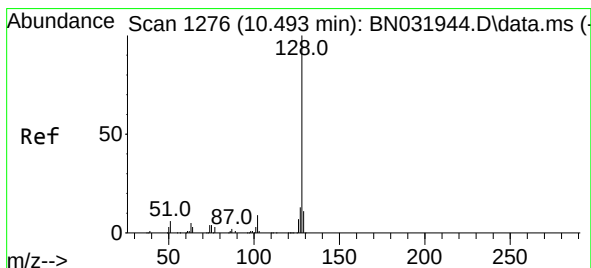
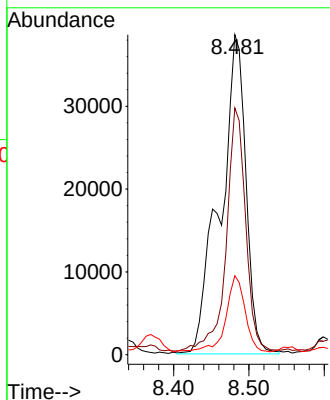
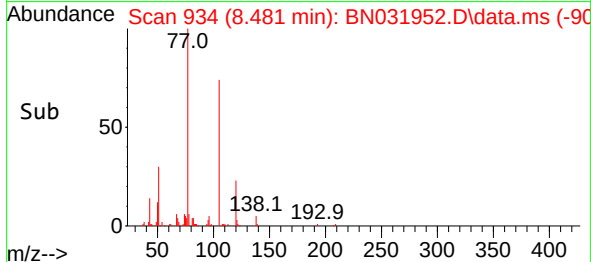
Instrument :
BNA_N
ClientSampleId :
BH689



Tgt Ion:105 Resp: 91929
Ion Ratio Lower Upper
105 100
77 77.1 58.6 87.8
51 24.7 17.2 25.8

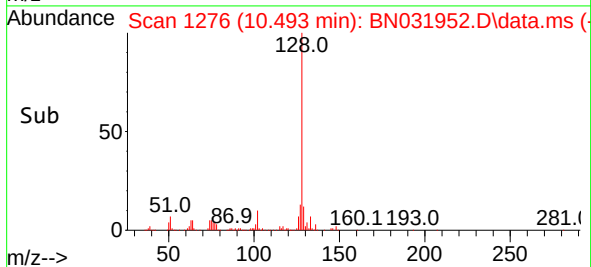
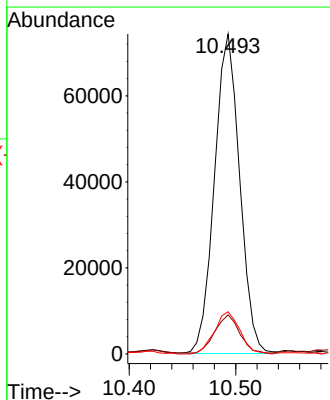
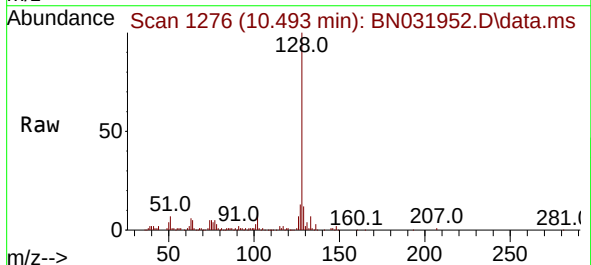
Manual Integrations
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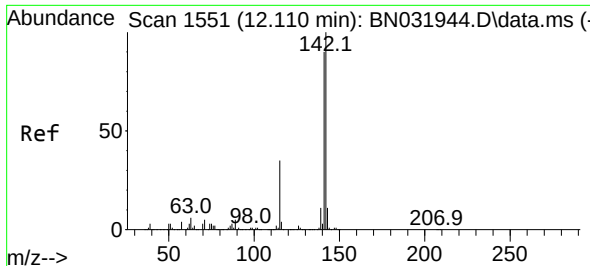
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#30
Naphthalene
Concen: 1.106 ng/ul
RT: 10.493 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

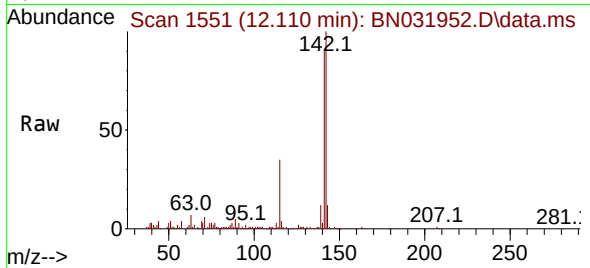
Tgt Ion:128 Resp: 122181
Ion Ratio Lower Upper
128 100
129 12.2 8.5 12.7
127 13.2 10.3 15.5





#36
2-Methylnaphthalene
Concen: 1.159 ng/ul
RT: 12.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

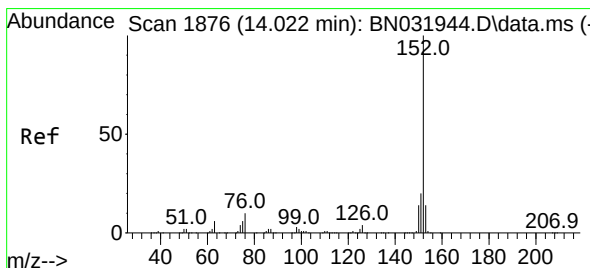
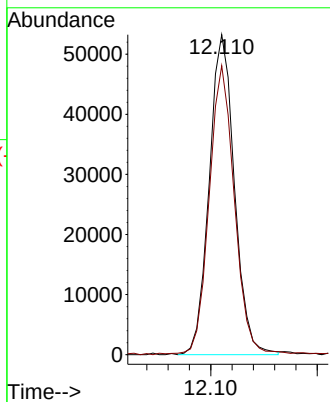
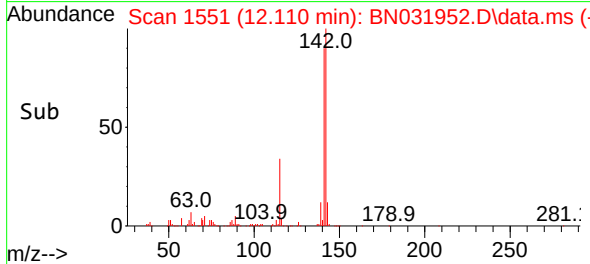
Instrument :
BNA_N
ClientSampleId :
BH689



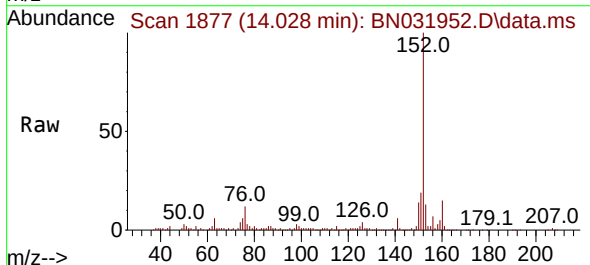
Tgt Ion:142 Resp: 87492
Ion Ratio Lower Upper
142 100
141 90.3 70.1 105.1

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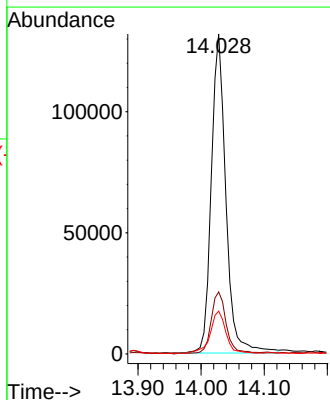
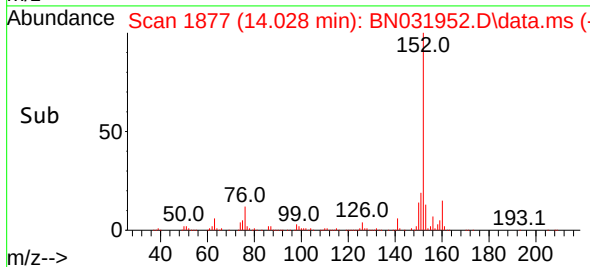
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024

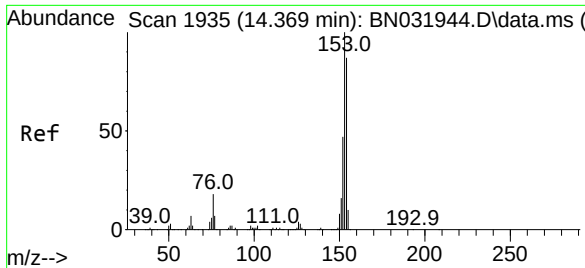


#50
Acenaphthylene
Concen: 1.875 ng/ul
RT: 14.028 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57



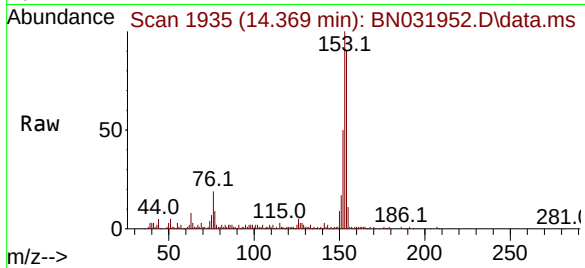
Tgt Ion:152 Resp: 211241
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.4 10.4 15.6





#52
Acenaphthene
Concen: 1.234 ng/ul
RT: 14.369 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

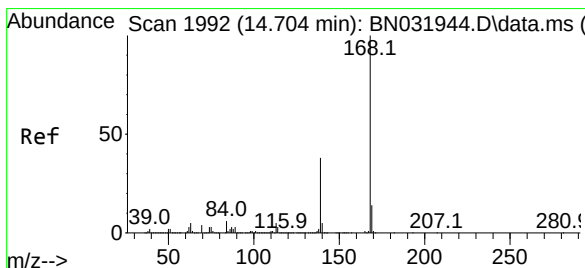
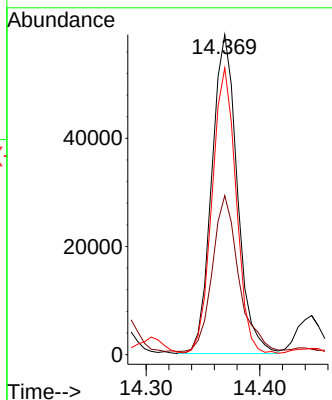
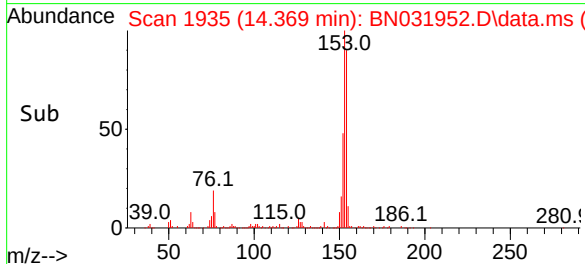
Instrument : BNA_N
ClientSampleId : BH689



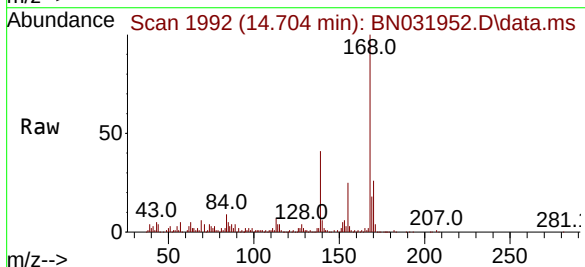
Tgt Ion:153 Resp: 9196
Ion Ratio Lower Upper
153 100
152 49.7 37.8 56.6
154 89.6 69.8 104.8

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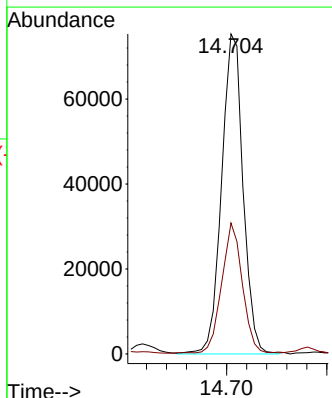
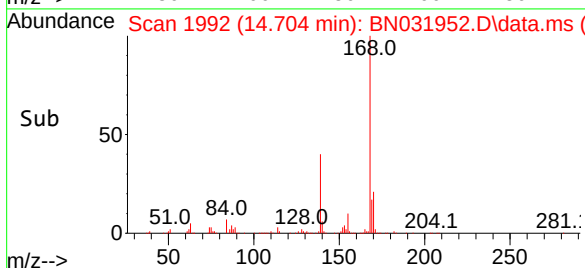
Reviewed By :Jagrut Upadhyay 06/13/2024
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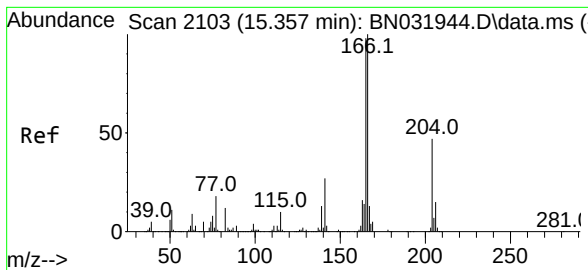


#56
Dibenzofuran
Concen: 1.104 ng/ul
RT: 14.704 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57



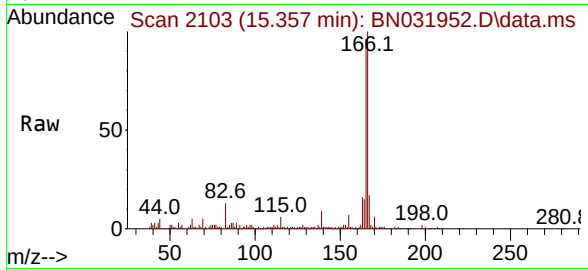
Tgt Ion:168 Resp: 111796
Ion Ratio Lower Upper
168 100
139 40.9 29.4 44.0





#61
Fluorene
Concen: 1.382 ng/ul
RT: 15.357 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

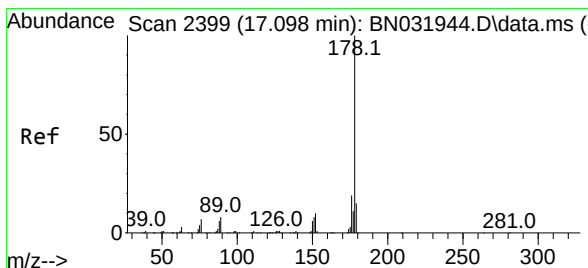
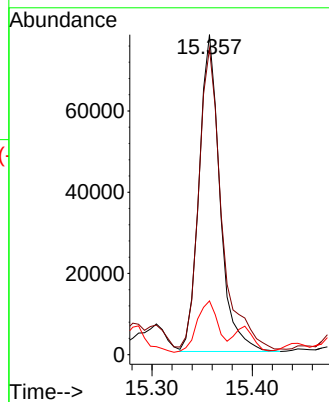
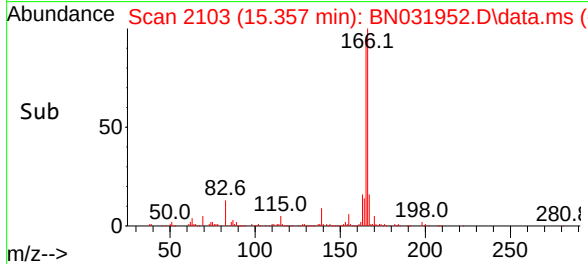
Instrument :
BNA_N
ClientSampleId :
BH689



Tgt Ion:166 Resp: 11271
Ion Ratio Lower Upper
166 100
165 95.8 80.3 120.5
167 16.8 11.3 16.9

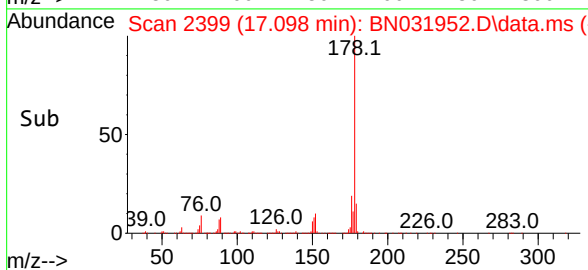
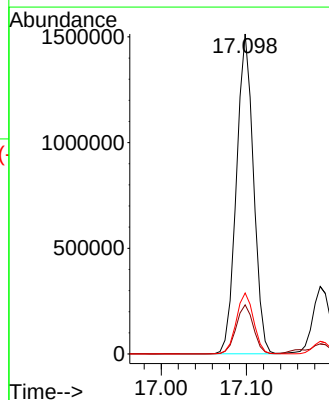
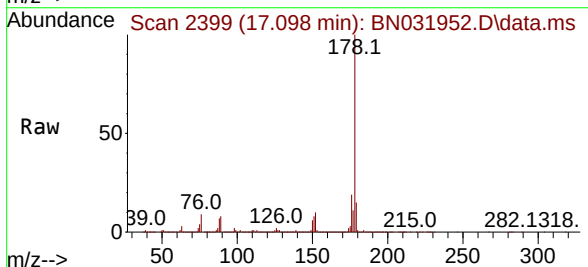
Manual Integrations
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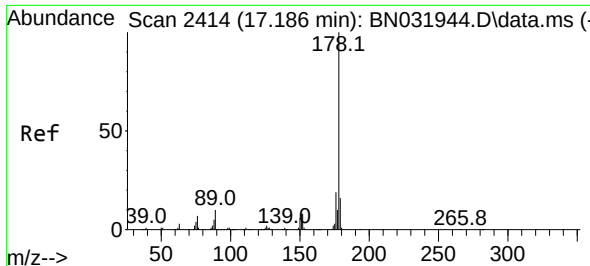
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#72
Phenanthrene
Concen: 20.243 ng/ul
RT: 17.098 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

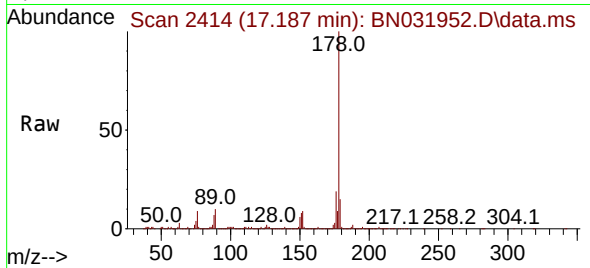
Tgt Ion:178 Resp: 2102882
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.0 15.8 23.6





#74
 Anthracene
 Concen: 4.279 ng/u1
 RT: 17.187 min Scan# 2414
 Delta R.T. 0.000 min
 Lab File: BN031952.D
 Acq: 12 Jun 2024 21:57

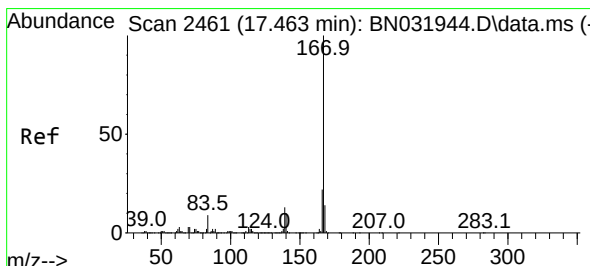
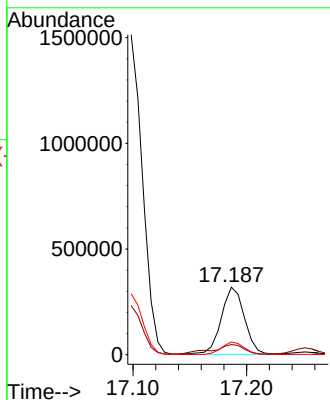
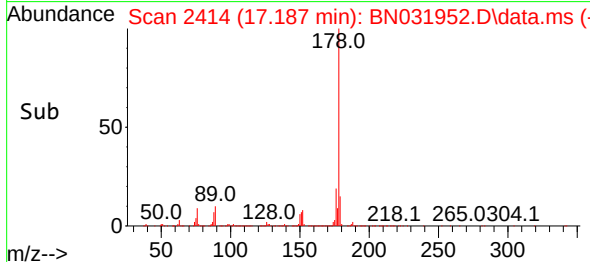
Instrument :
 BNA_N
 ClientSampleId :
 BH689



Tgt Ion:178 Resp: 450372
 Ion Ratio Lower Upper
 178 100
 179 14.9 11.8 17.6
 176 18.8 14.8 22.2

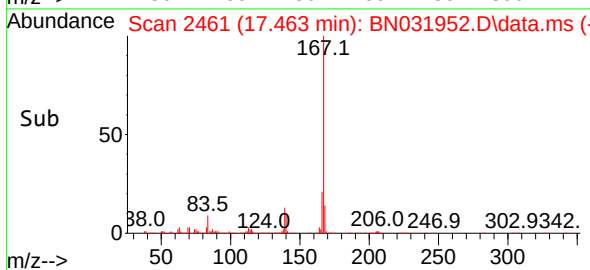
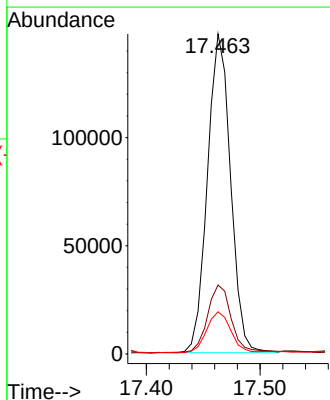
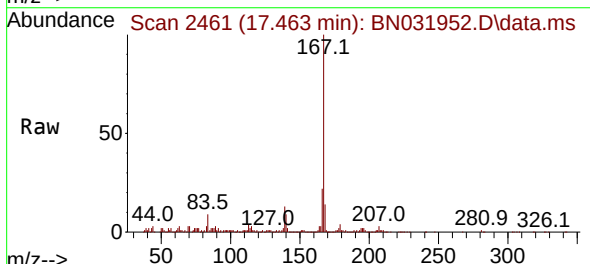
Manual Integrations
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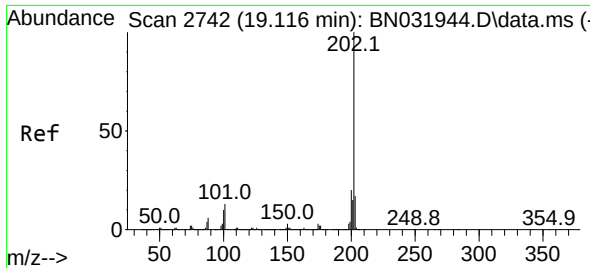
Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/14/2024



#77
 Carbazole
 Concen: 2.326 ng/u1
 RT: 17.463 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: BN031952.D
 Acq: 12 Jun 2024 21:57

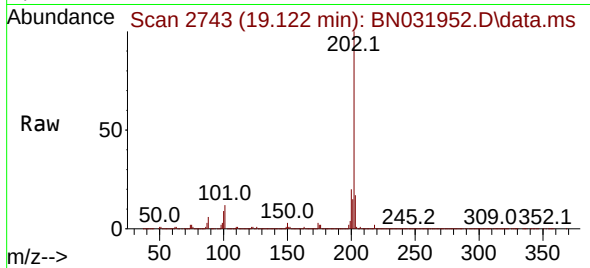
Tgt Ion:167 Resp: 208782
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.9 26.9
 139 13.2 10.5 15.7





#80
Fluoranthene
Concen: 35.878 ng/u1
RT: 19.122 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

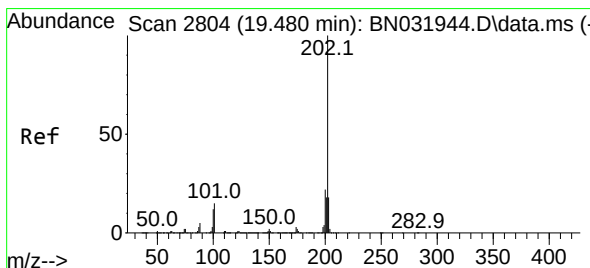
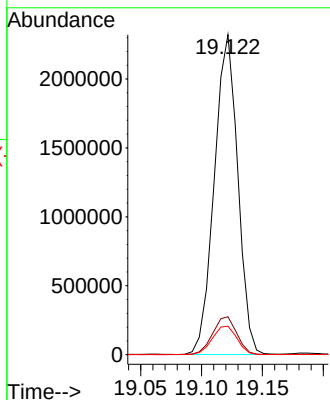
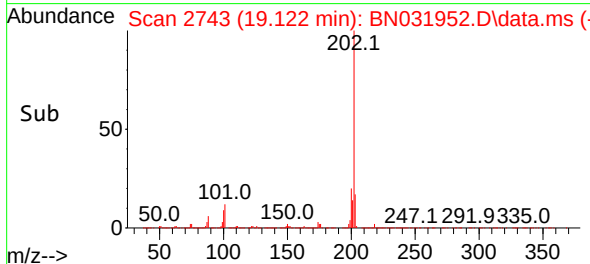
Instrument :
BNA_N
ClientSampleId :
BH689



Tgt Ion:202 Resp: 3113350
Ion Ratio Lower Upper
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101 11.8 10.3 15.5
100 8.9 8.0 12.0

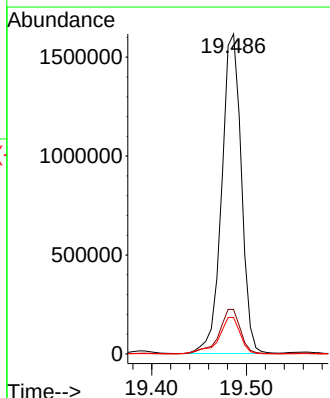
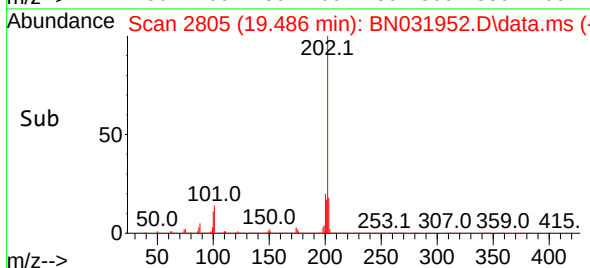
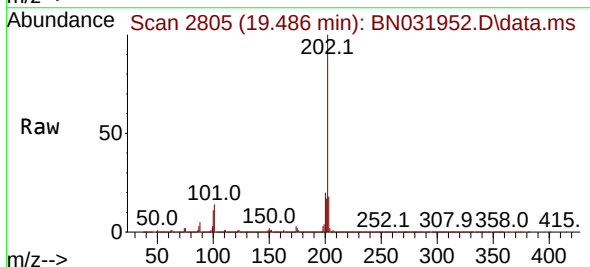
Manual Integrations
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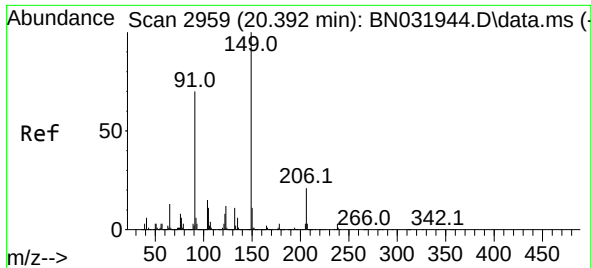
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#82
Pyrene
Concen: 26.137 ng/u1
RT: 19.486 min Scan# 2805
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

Tgt Ion:202 Resp: 2327008
Ion Ratio Lower Upper
202 100
101 13.9 12.6 18.8
100 11.4 10.2 15.2





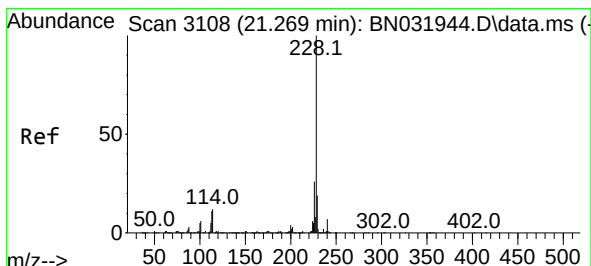
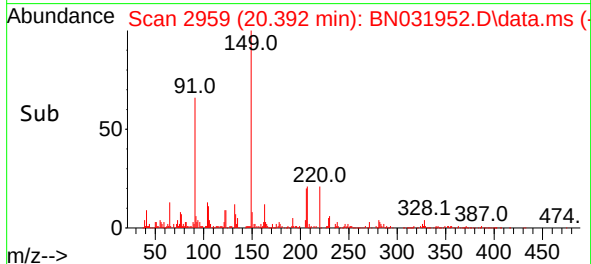
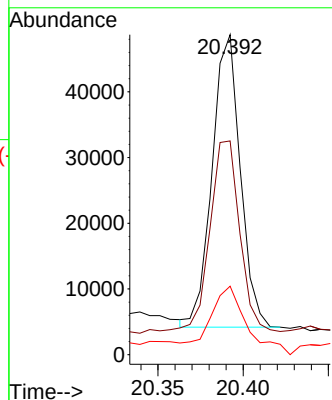
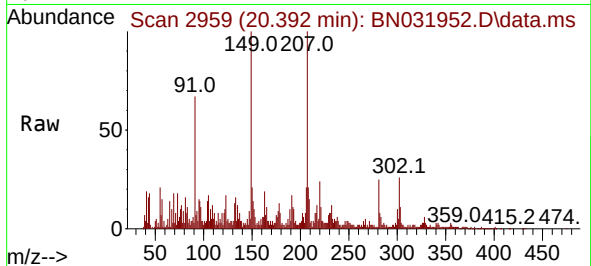
#83
Butylbenzylphthalate
Concen: 1.217 ng/ul
RT: 20.392 min Scan# 2959
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

Instrument :
BNA_N
ClientSampleId :
BH689

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.8	61.0	91.4
206	21.4	16.5	24.7

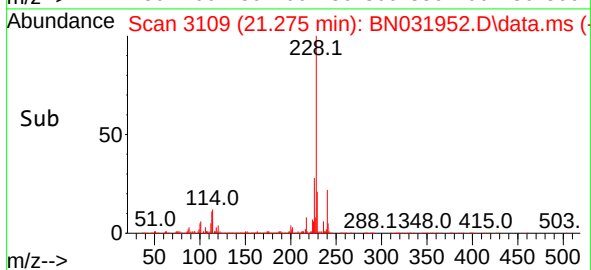
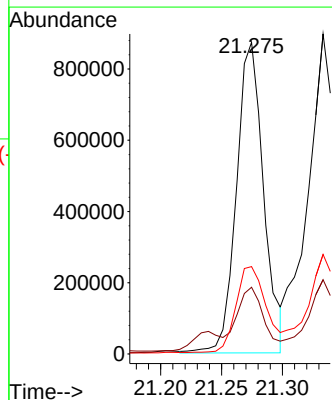
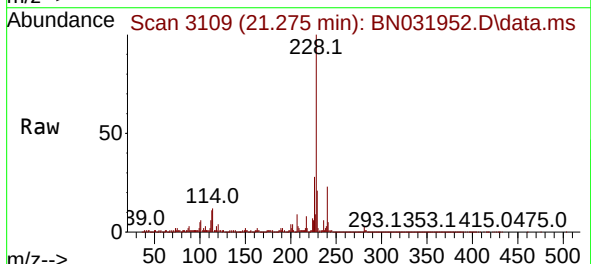
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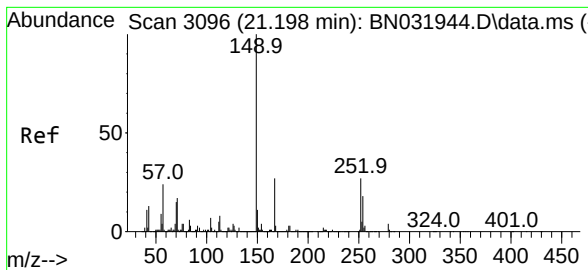
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#85
Benzo(a)anthracene
Concen: 14.912 ng/ul
RT: 21.275 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

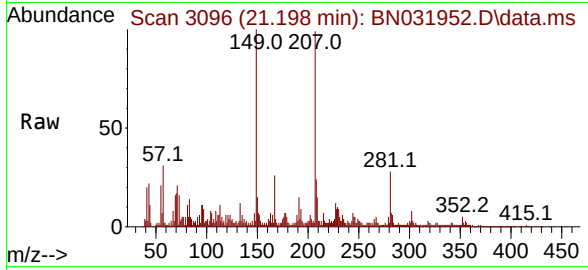
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.7	25.1
226	28.0	22.8	34.2





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.628 ng/ul
 RT: 21.198 min Scan# 3096
 Delta R.T. -0.006 min
 Lab File: BN031952.D
 Acq: 12 Jun 2024 21:57

Instrument :
 BNA_N
 ClientSampleId :
 BH689

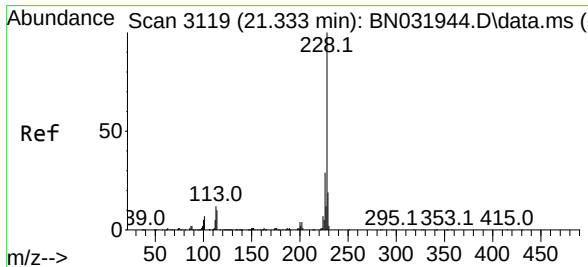
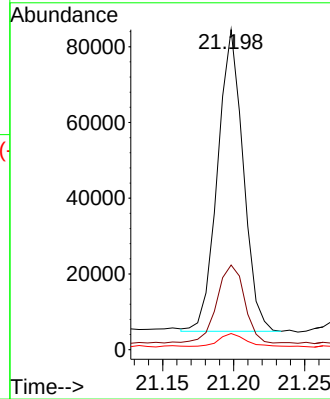
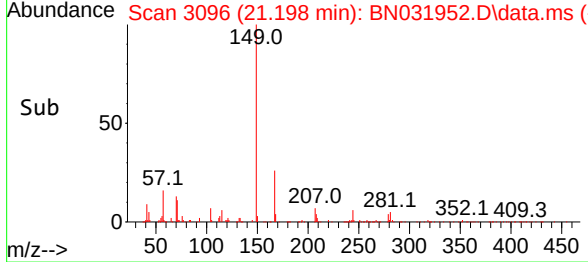


Tgt Ion:149 Resp: 9981

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	5.1	3.3	4.9

Manual Integrations
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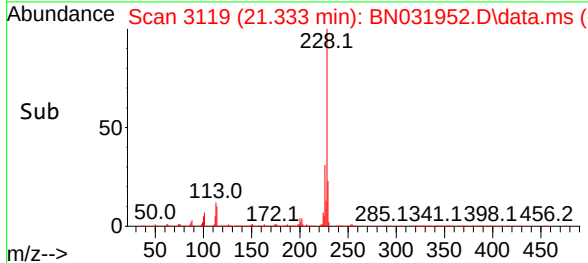
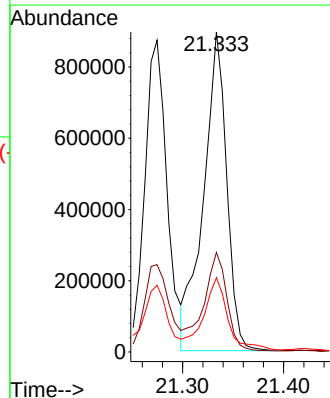
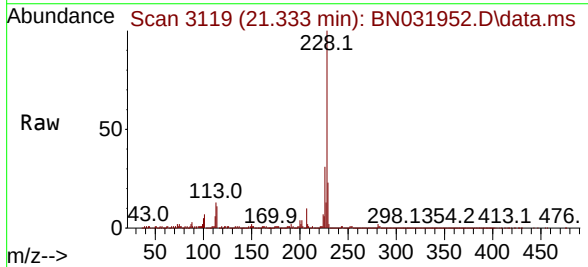
Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/14/2024

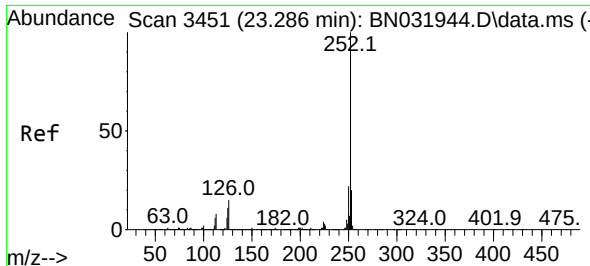


#87
 Chrysene
 Concen: 16.910 ng/ul m
 RT: 21.333 min Scan# 3119
 Delta R.T. 0.000 min
 Lab File: BN031952.D
 Acq: 12 Jun 2024 21:57

Tgt Ion:228 Resp: 1434566

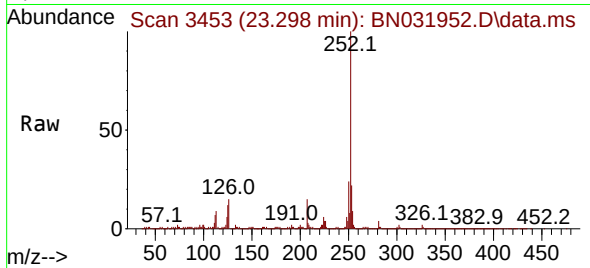
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.7	35.5
229	23.2	15.1	22.7





#90
Benzo(b)fluoranthene
Concen: 21.035 ng/ul
RT: 23.298 min Scan# 3451
Delta R.T. 0.006 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

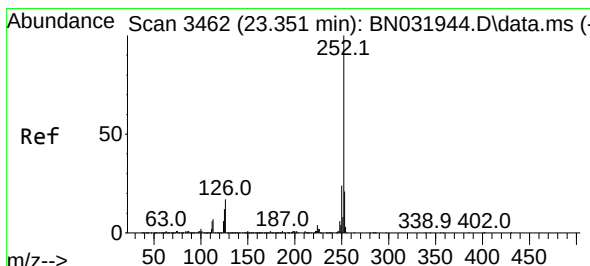
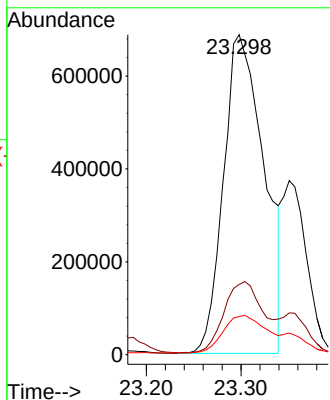
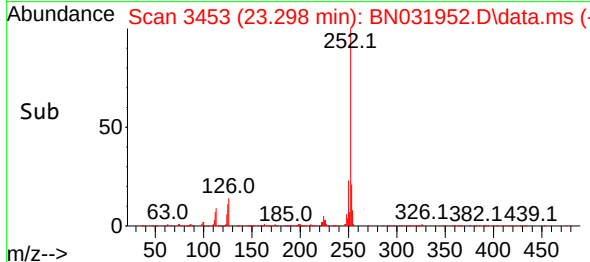
Instrument :
BNA_N
ClientSampleId :
BH689



Tgt Ion:252 Resp: 2044280
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 11.9 9.2 13.8

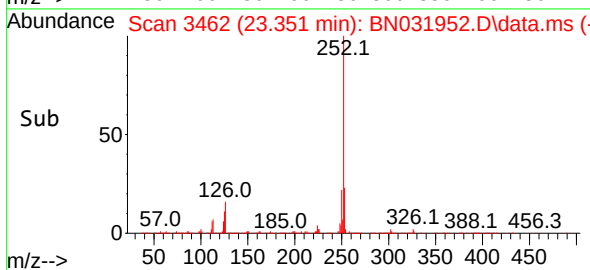
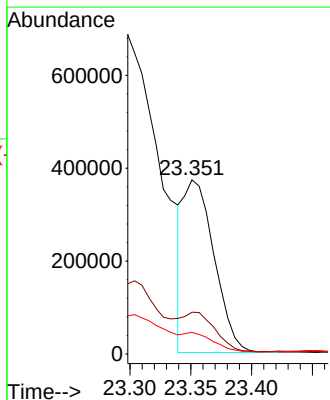
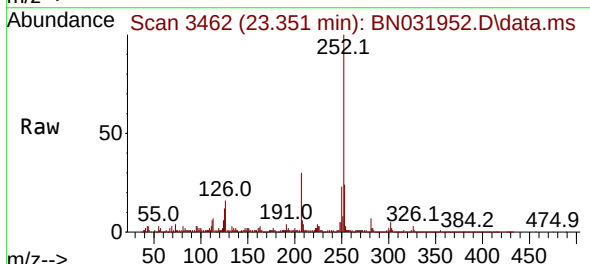
Manual Integrations
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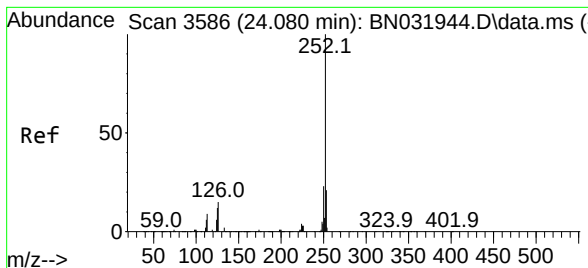
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#91
Benzo(k)fluoranthene
Concen: 6.882 ng/ul m
RT: 23.351 min Scan# 3462
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

Tgt Ion:252 Resp: 656330
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 12.4 9.4 14.2





#93

Benzo(a)pyrene

Concen: 9.262 ng/ul

RT: 24.086 min Scan# 3

Delta R.T. 0.006 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_N

ClientSampleId :

BH689

Tgt Ion:252 Resp: 843030

Ion Ratio Lower Upper

252 100

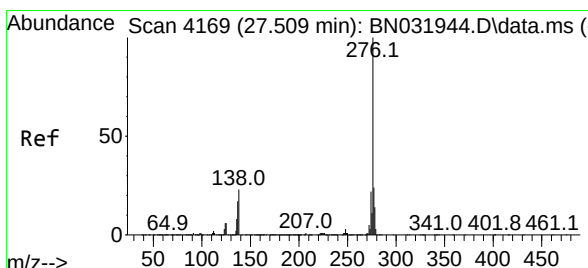
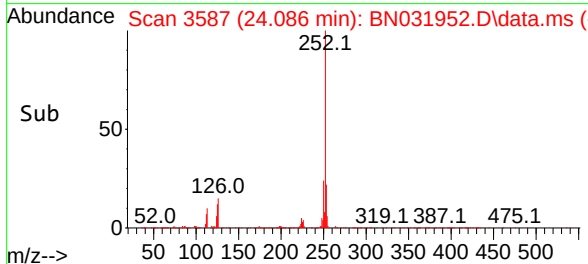
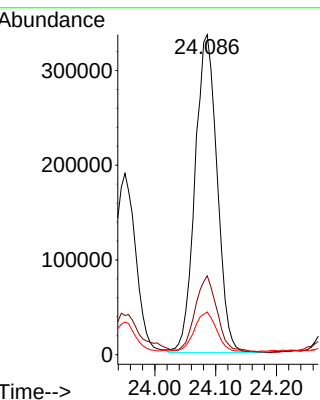
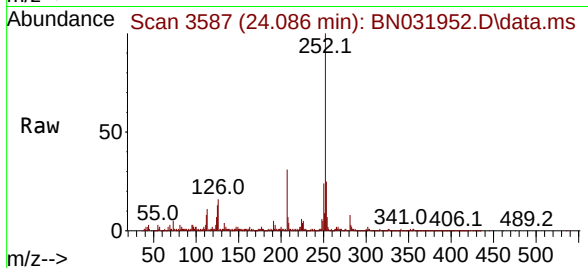
253 24.7 16.6 24.8

125 13.4 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.769 ng/ul

RT: 27.521 min Scan# 4171

Delta R.T. 0.006 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

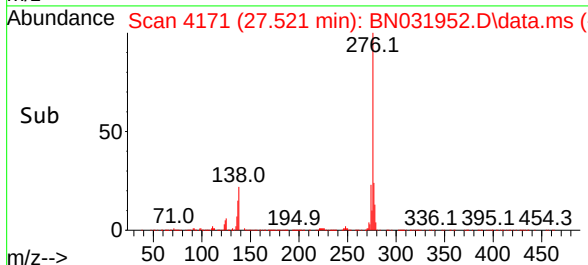
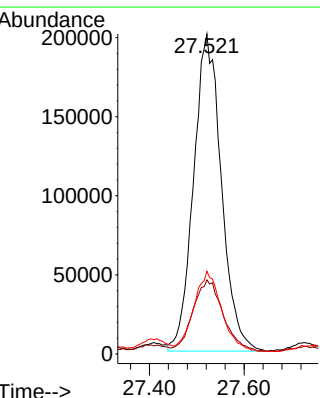
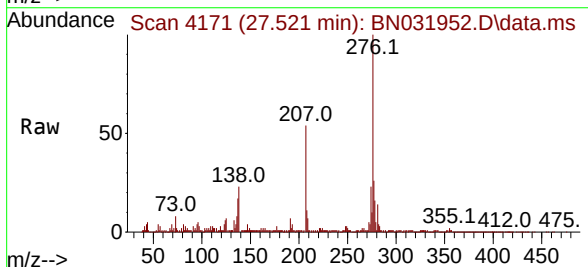
Tgt Ion:276 Resp: 814861

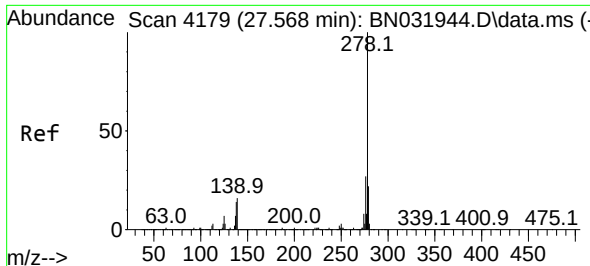
Ion Ratio Lower Upper

276 100

138 23.1 18.1 27.1

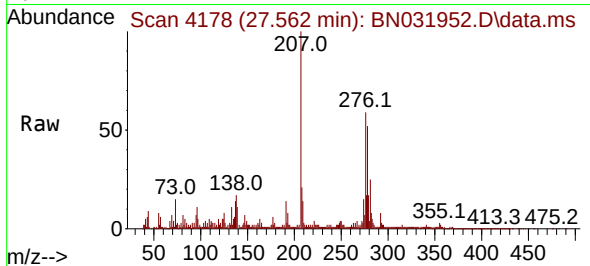
277 25.8 18.2 27.2





#95
Dibenzo(a,h)anthracene
Concen: 3.088 ng/ul
RT: 27.562 min Scan# 4178
Delta R.T. -0.017 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

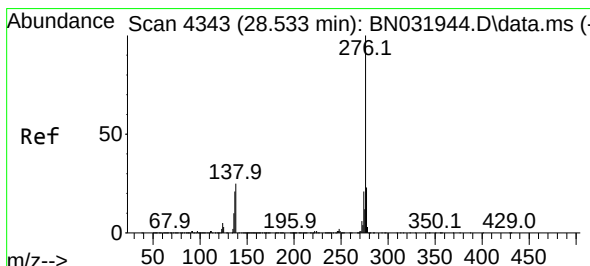
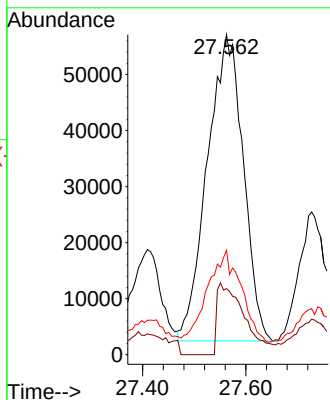
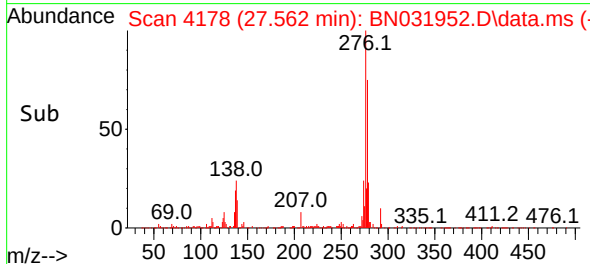
Instrument :
BNA_N
ClientSampleId :
BH689



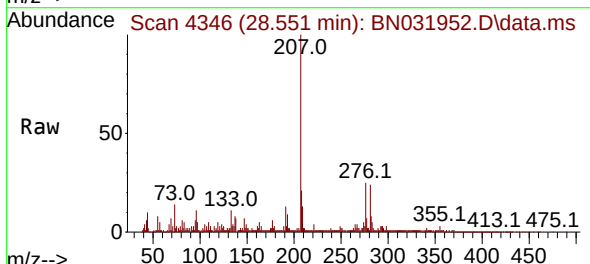
Tgt Ion:278 Resp: 26442
Ion Ratio Lower Upper
278 100
139 20.7 15.0 22.6
279 32.7 17.4 26.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#96
Benzo(g,h,i)perylene
Concen: 1.434 ng/ul m
RT: 28.551 min Scan# 4346
Delta R.T. 0.006 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57



Tgt Ion:276 Resp: 119569
Ion Ratio Lower Upper
276 100
138 29.2 20.9 31.3
277 27.8 18.0 27.0

