

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031949.D
 Acq On : 12 Jun 2024 19:59
 Operator : MA/JU
 Sample : P2678-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH683

Manual Integrations
 APPROVED

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

Quant Time: Jun 12 23:34:16 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	7.658	152	443146	20.000	ng/u1	0.00
20) Naphthalene-d8	10.440	136	1740743	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	987956	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.051	188	1808556	20.000	ng/u1	0.00
79) Chrysene-d12	21.292	240	1491277	20.000	ng/u1	0.00
88) Perylene-d12	24.221	264	1848057	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	41456	3.870	ng/uL	0.00
4) Pyridine-d5	3.587	84	215422	7.144	ng/u1	0.00
7) Phenol-d5	6.834	99	901340	23.726	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	516734	23.254	ng/u1	0.00
11) 2-Chlorophenol-d4	7.193	132	753622	25.998	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	666624	21.526	ng/u1	0.00
21) Nitrobenzene-d5	8.816	128	369165	27.736	ng/u1	0.00
24) 2-Nitrophenol-d4	9.534	143	393001	28.584	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.063	165	678538	26.436	ng/u1	0.00
31) 4-Chloroaniline-d4	10.587	131	400184	10.501	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	1892495	27.496	ng/u1	0.00
49) Acenaphthylene-d8	13.993	160	2190190	27.675	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	284158	20.620	ng/u1	0.00
60) Fluorene-d10	15.298	176	1568831	26.939	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	206190	22.682	ng/u1	0.00
73) Anthracene-d10	17.151	188	2258279	29.166	ng/u1	0.00
81) Pyrene-d10	19.451	212	2166989	27.155	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.027	264	1835534	20.800	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.481	105	83815	1.786	ng/u1	96
30) Naphthalene	10.493	128	134800	1.496	ng/u1	98
36) 2-Methylnaphthalene	12.110	142	85638	1.391	ng/u1	97
37) 1-Methylnaphthalene	12.328	142	77699	1.258	ng/u1#	99
50) Acenaphthylene	14.028	152	571908	6.394	ng/u1	99
52) Acenaphthene	14.369	153	117848	1.991	ng/u1	97
56) Dibenzofuran	14.704	168	113573	1.413	ng/u1	99
61) Fluorene	15.357	166	152177	2.350	ng/u1	96
72) Phenanthrene	17.098	178	3683799	39.985	ng/u1	99
74) Anthracene	17.187	178	871082	9.331	ng/u1	99
77) Carbazole	17.463	167	406992	5.113	ng/u1	99
78) Di-n-butylphthalate	18.028	149	141220	1.290	ng/u1	99
80) Fluoranthene	19.122	202	7133226	74.795	ng/u1	98
82) Pyrene	19.486	202	5809765	59.374	ng/u1	96
83) Butylbenzylphthalate	20.386	149	131489	2.845	ng/u1	98
85) Benzo(a)anthracene	21.275	228	3814594	38.216	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.198	149	380482	5.648	ng/u1	98
87) Chrysene	21.339	228	4142470m	44.430	ng/u1	
90) Benzo(b)fluoranthene	23.304	252	5794910	52.460	ng/u1	97
91) Benzo(k)fluoranthene	23.357	252	1850408	17.071	ng/u1	97
93) Benzo(a)pyrene	24.092	252	2456475	23.744	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.527	276	2315762	19.425	ng/u1	98
95) Dibenzo(a,h)anthracene	27.574	278	780753	8.022	ng/u1#	90
96) Benzo(g,h,i)perylene	28.551	276	338202m	3.569	ng/u1	

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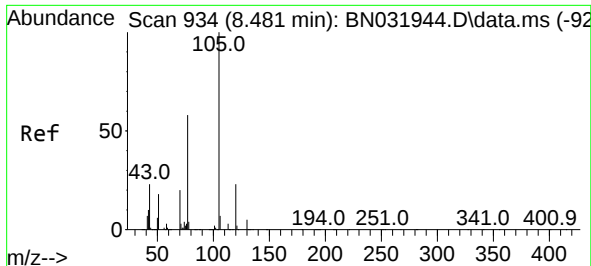
Manual Integrations
APPROVED

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

Quant Time: Jun 12 23:34:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

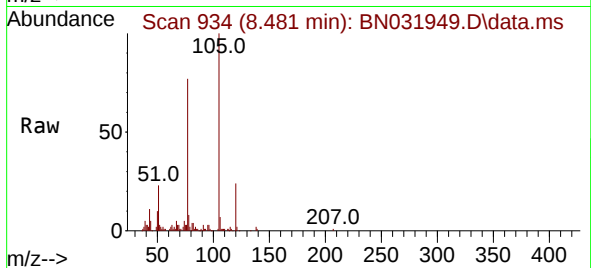
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#16
Acetophenone
Concen: 1.786 ng/ul
RT: 8.481 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

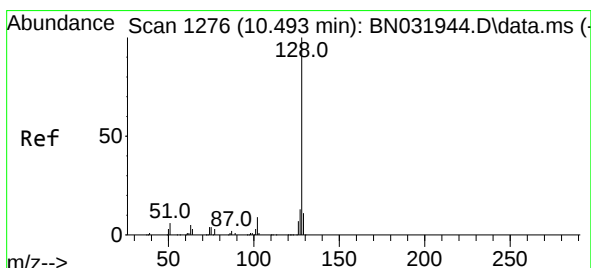
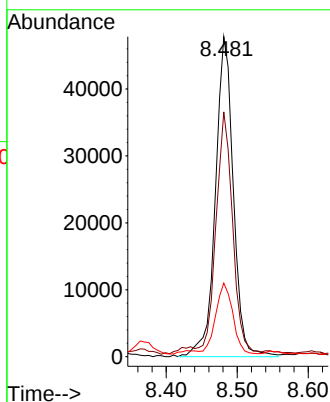
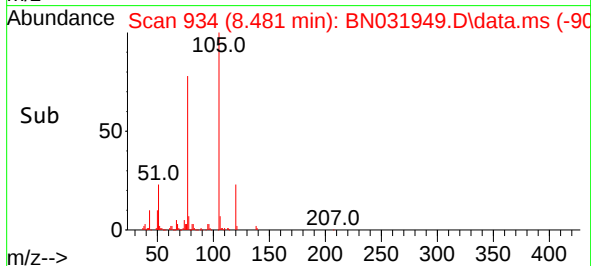
Instrument :
BNA_N
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BH683



Tgt Ion:105 Resp: 8381
Ion Ratio Lower Upper
105 100
77 76.5 58.6 87.8
51 23.0 17.2 25.8

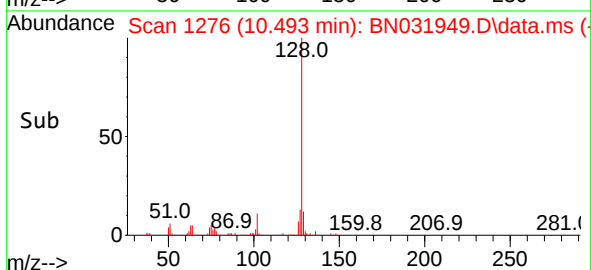
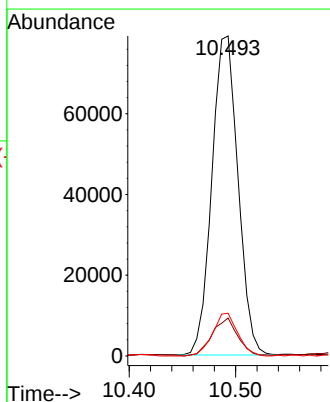
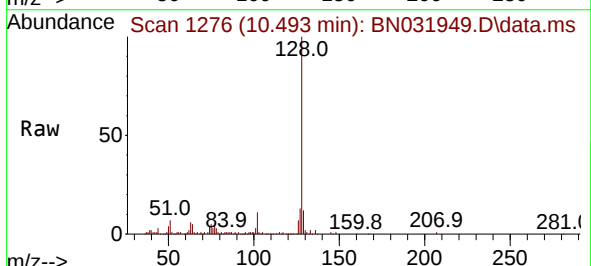
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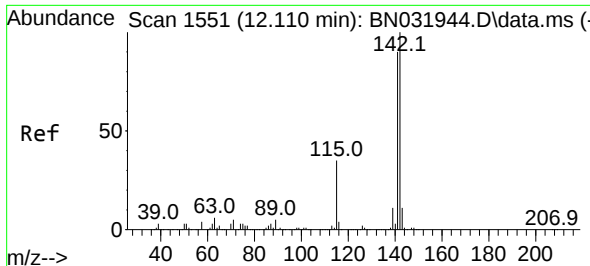
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#30
Naphthalene
Concen: 1.496 ng/ul
RT: 10.493 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

Tgt Ion:128 Resp: 134800
Ion Ratio Lower Upper
128 100
129 11.9 8.5 12.7
127 13.3 10.3 15.5





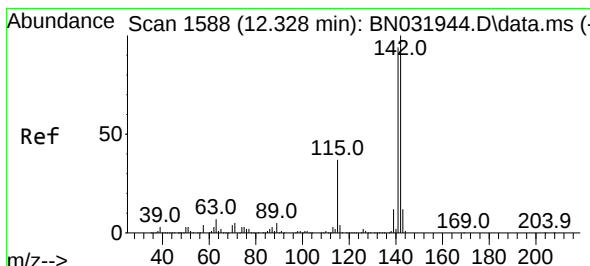
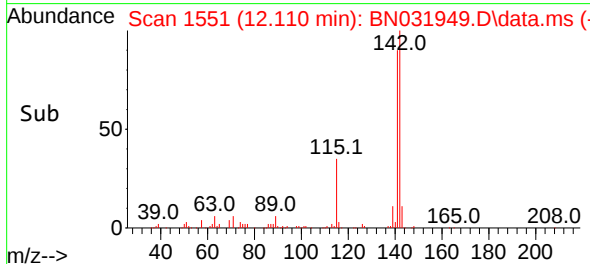
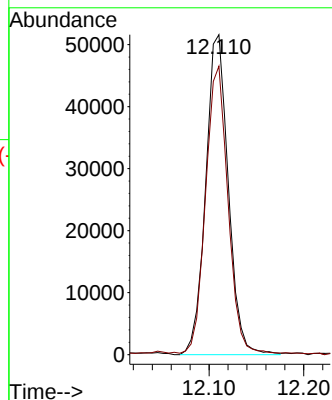
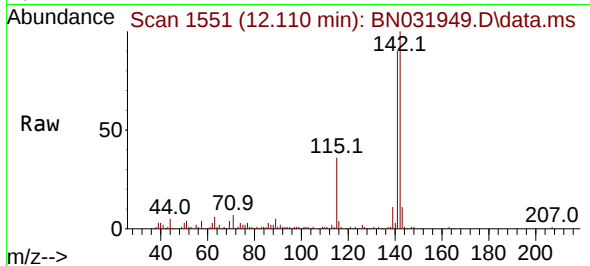
#36
2-Methylnaphthalene
Concen: 1.391 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

Instrument :
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ClientSampleId :
BH683

Tgt Ion:142 Resp: 85638
Ion Ratio Lower Upper
142 100
141 90.2 70.1 105.1

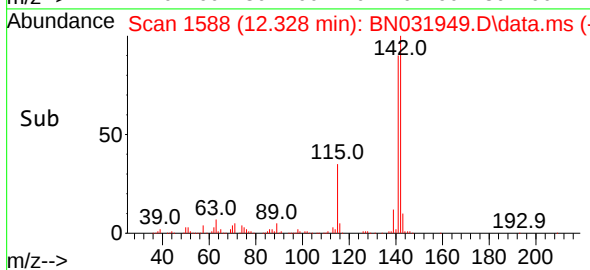
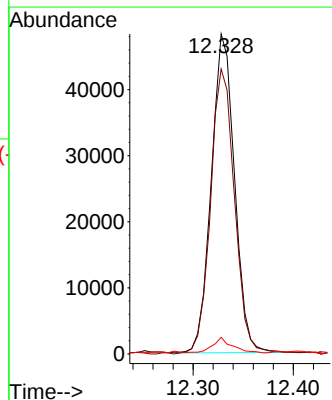
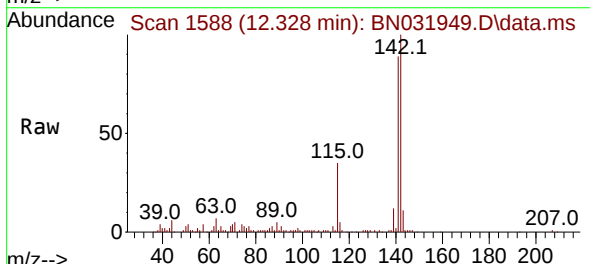
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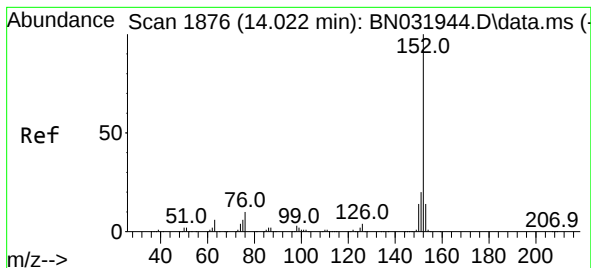
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#37
1-Methylnaphthalene
Concen: 1.258 ng/ul
RT: 12.328 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

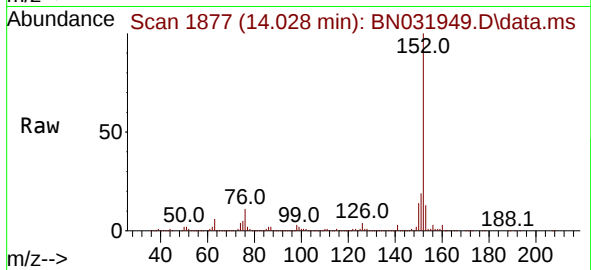
Tgt Ion:142 Resp: 77699
Ion Ratio Lower Upper
142 100
141 89.0 71.7 107.5
116 5.2 3.0 4.4#





#50
Acenaphthylene
Concen: 6.394 ng/u1
RT: 14.028 min Scan# 1876
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

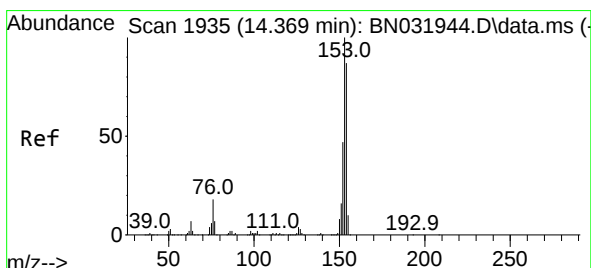
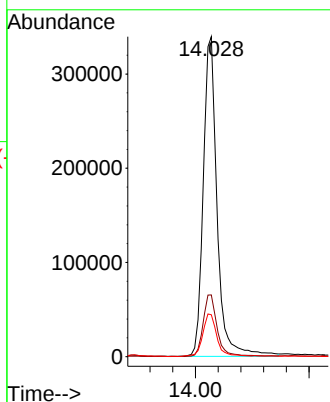
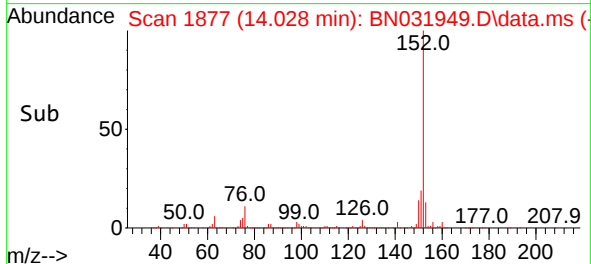
Instrument :
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ClientSampleId :
BH683



Tgt Ion:152 Resp: 571908
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 13.1 10.4 15.6

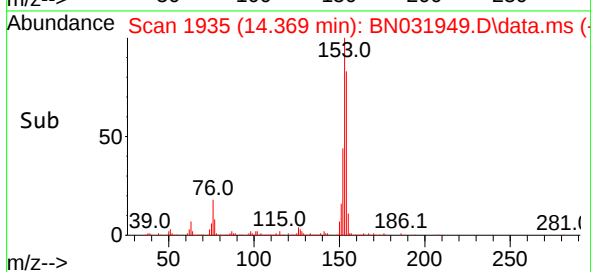
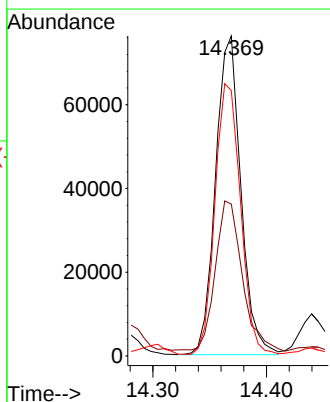
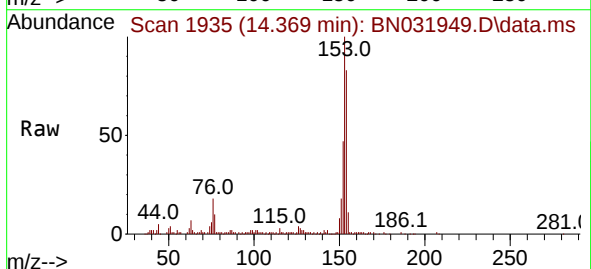
Manual Integrations
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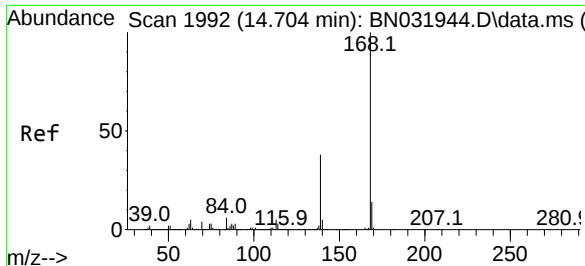
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#52
Acenaphthene
Concen: 1.991 ng/u1
RT: 14.369 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

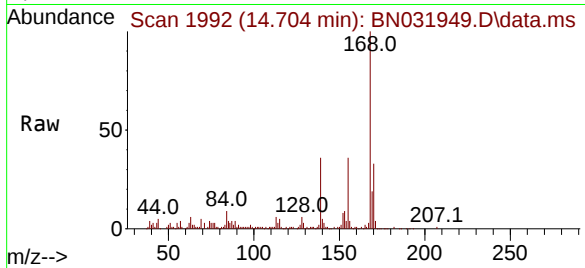
Tgt Ion:153 Resp: 117848
Ion Ratio Lower Upper
153 100
152 47.4 37.8 56.6
154 82.9 69.8 104.8





#56
Dibenzo(furan)
Concen: 1.413 ng/ul
RT: 14.704 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

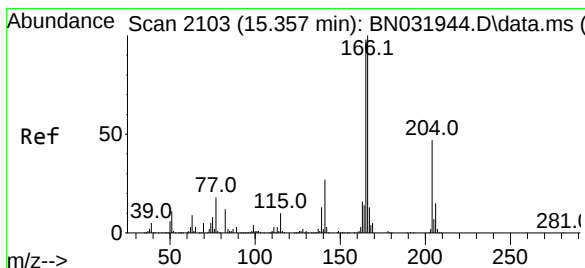
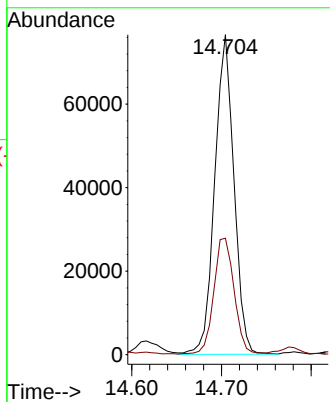
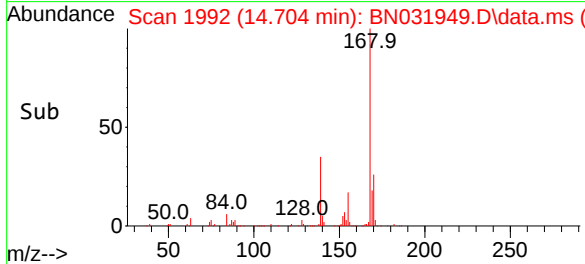
Instrument :
BNA_N
ClientSampleId :
BH683



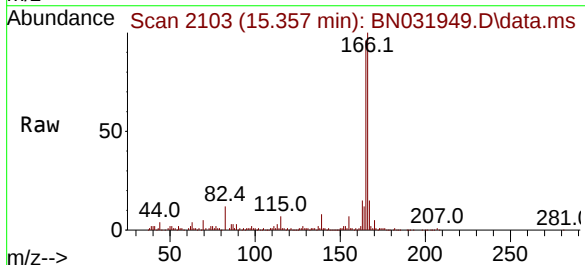
Tgt Ion:168 Resp: 11357
Ion Ratio Lower Upper
168 100
139 36.4 29.4 44.0

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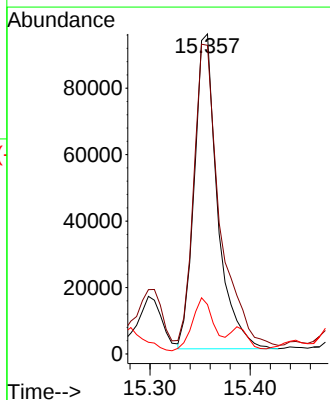
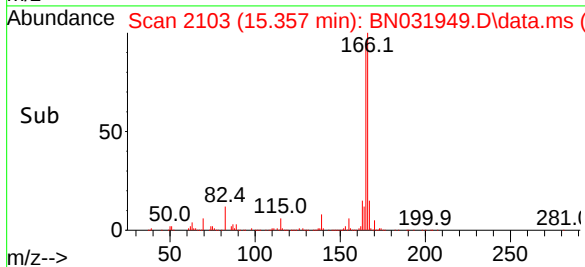
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024

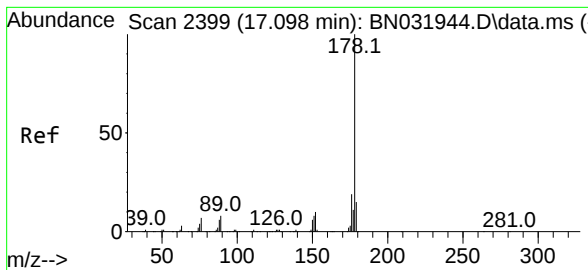


#61
Fluorene
Concen: 2.350 ng/ul
RT: 15.357 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59



Tgt Ion:166 Resp: 152177
Ion Ratio Lower Upper
166 100
165 96.5 80.3 120.5
167 15.5 11.3 16.9





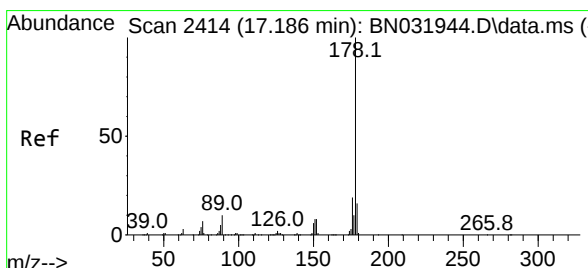
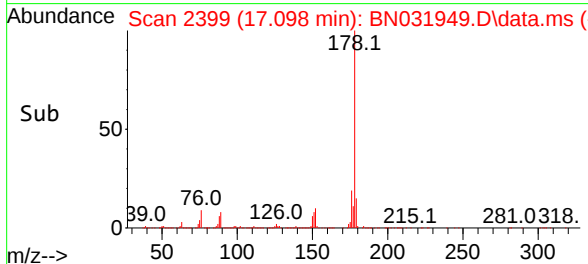
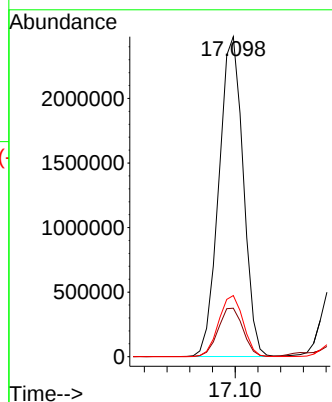
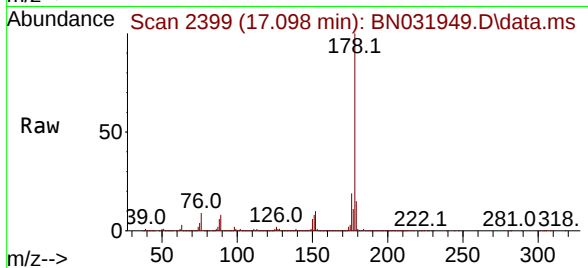
#72
Phenanthrene
Concen: 39.985 ng/u1
RT: 17.098 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

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Tgt Ion:178 Resp: 3683799
Ion Ratio Lower Upper
178 100
179 15.1 12.6 19.0
176 19.1 15.8 23.6

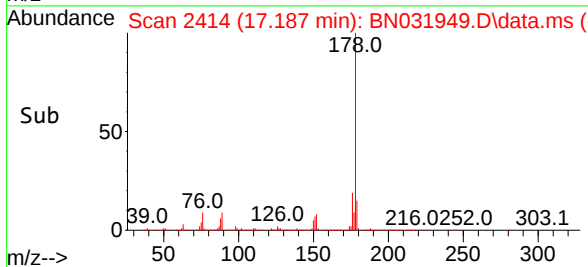
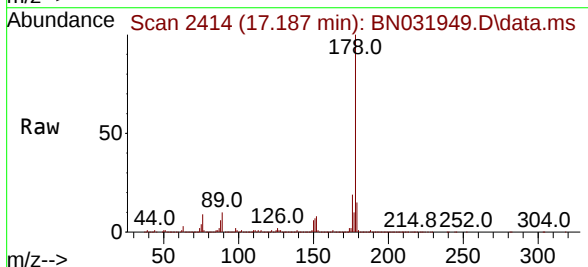
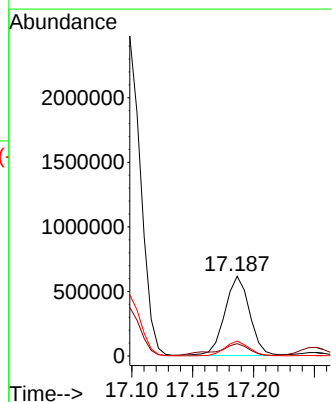
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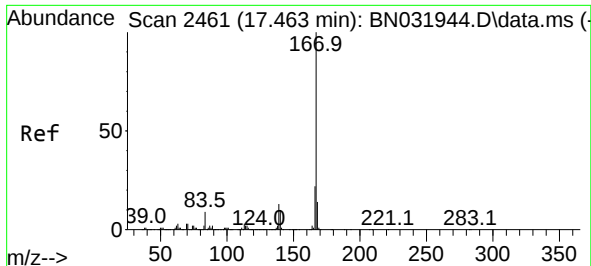
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#74
Anthracene
Concen: 9.331 ng/u1
RT: 17.187 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

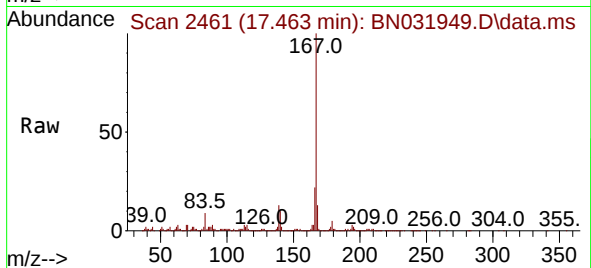
Tgt Ion:178 Resp: 871082
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.6
176 18.6 14.8 22.2





#77
 Carbazole
 Concen: 5.113 ng/ul
 RT: 17.463 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: BN031949.D
 Acq: 12 Jun 2024 19:59

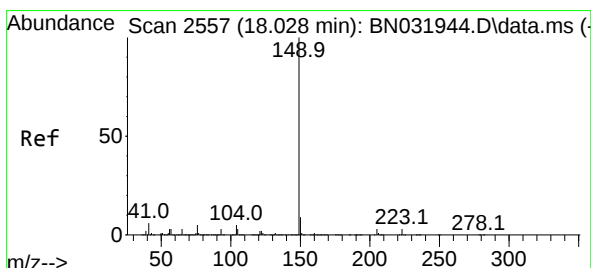
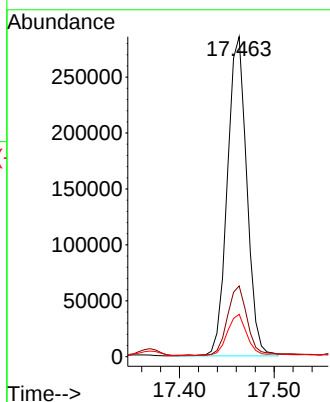
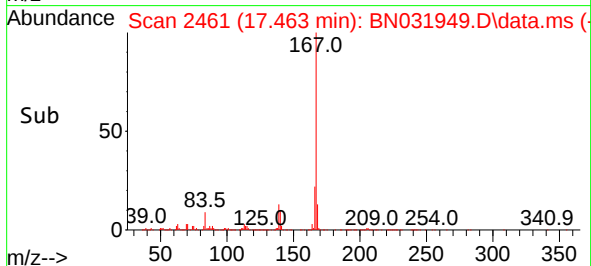
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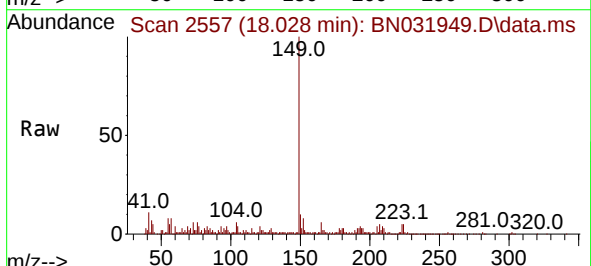
Tgt Ion:167 Resp: 406992
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.9 26.9
 139 13.2 10.5 15.7

Manual Integrations
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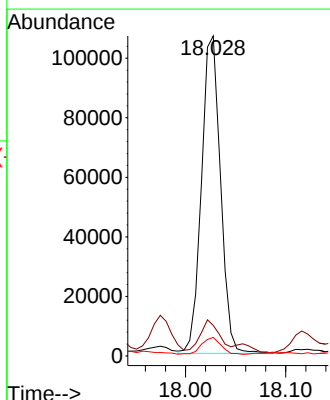
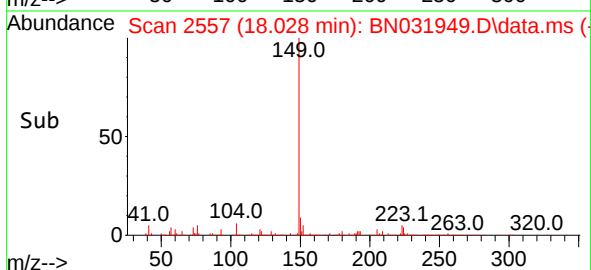
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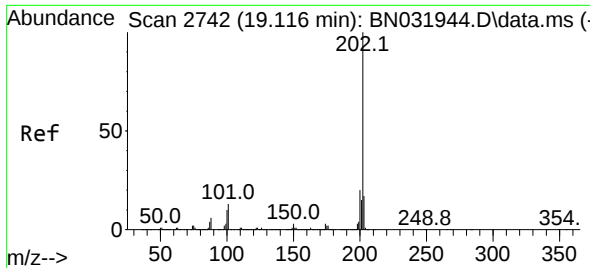


#78
 Di-n-butylphthalate
 Concen: 1.290 ng/ul
 RT: 18.028 min Scan# 2557
 Delta R.T. 0.000 min
 Lab File: BN031949.D
 Acq: 12 Jun 2024 19:59



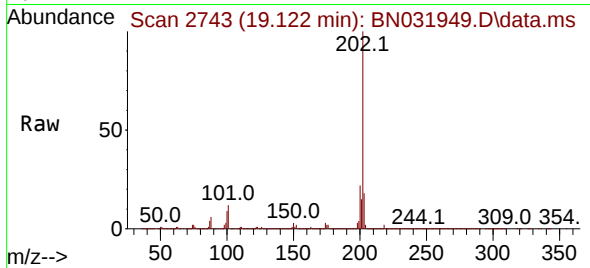
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 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.0
 104 5.8 4.1 6.1





#80
Fluoranthene
Concen: 74.795 ng/u1
RT: 19.122 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

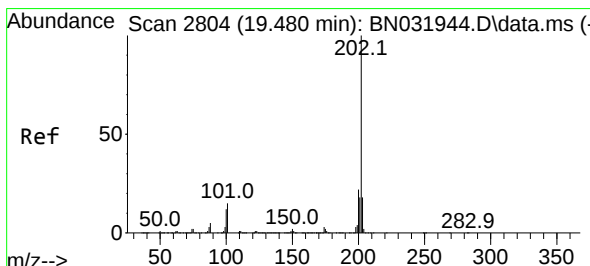
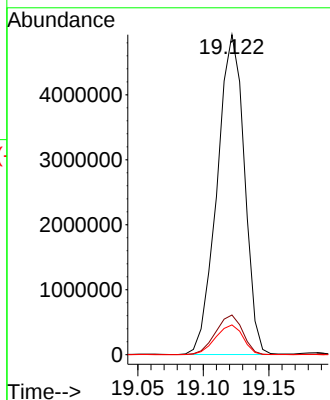
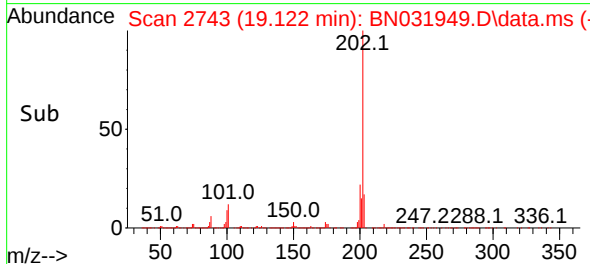
Instrument :
BNA_N
ClientSampleId :
BH683



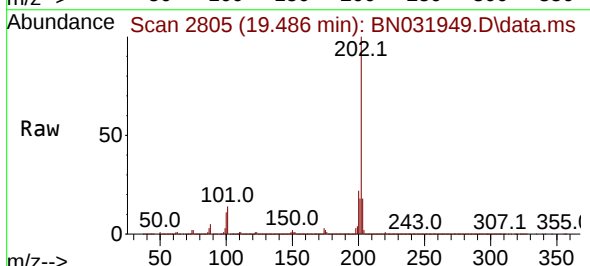
Tgt Ion:202 Resp: 7133220
Ion Ratio Lower Upper
202 100
101 12.4 10.3 15.5
100 9.3 8.0 12.0

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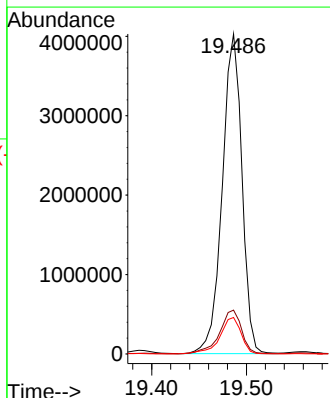
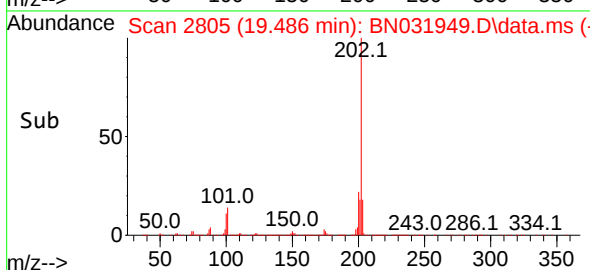
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024

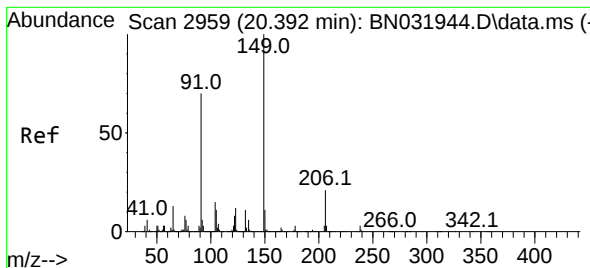


#82
Pyrene
Concen: 59.374 ng/u1
RT: 19.486 min Scan# 2805
Delta R.T. 0.000 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59



Tgt Ion:202 Resp: 5809765
Ion Ratio Lower Upper
202 100
101 13.7 12.6 18.8
100 11.4 10.2 15.2





#83

Butylbenzylphthalate

Concen: 2.845 ng/ul

RT: 20.386 min Scan# 2959

Delta R.T. -0.006 min

Lab File: BN031949.D

Acq: 12 Jun 2024 19:59

Instrument :

BNA_N

ClientSampleId :

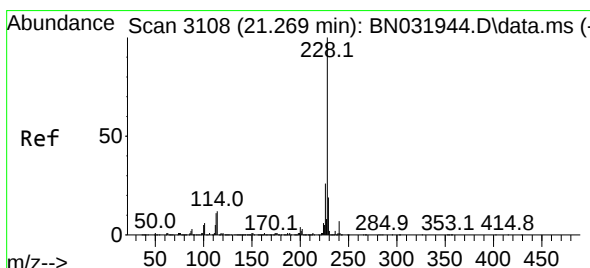
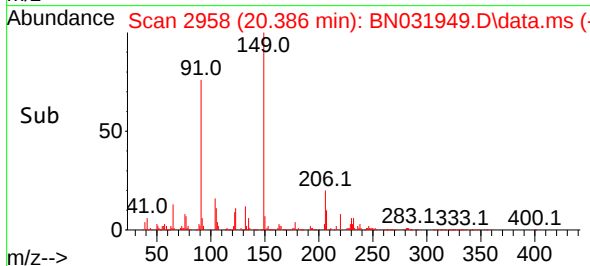
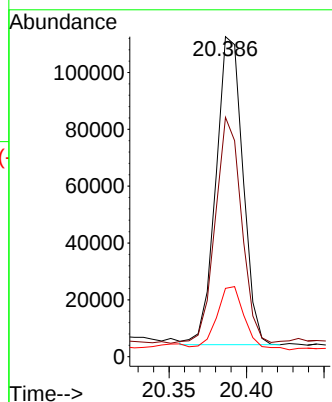
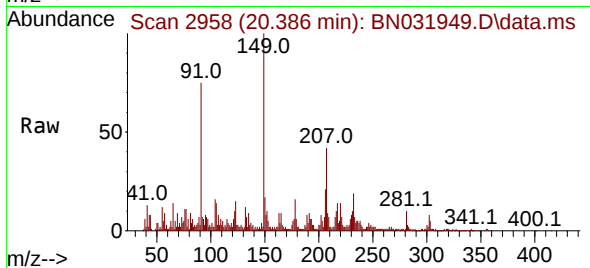
BH683

Tgt Ion:	149	Resp:	131489
Ion Ratio	Lower	Upper	
149	100		
91	74.8	61.0	91.4
206	21.4	16.5	24.7

Manual Integrations

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



#85

Benzo(a)anthracene

Concen: 38.216 ng/ul

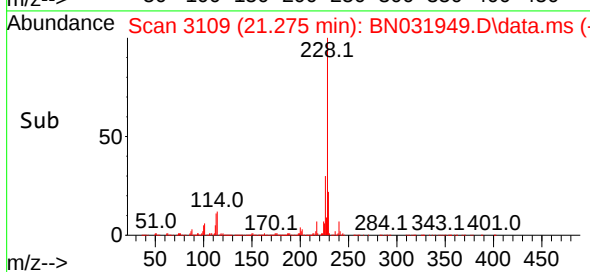
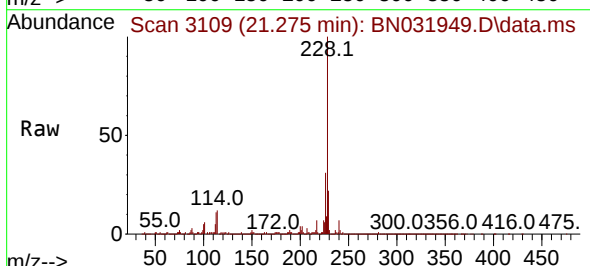
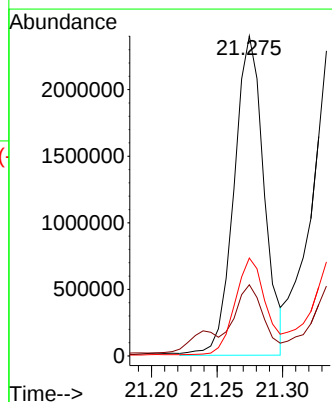
RT: 21.275 min Scan# 3109

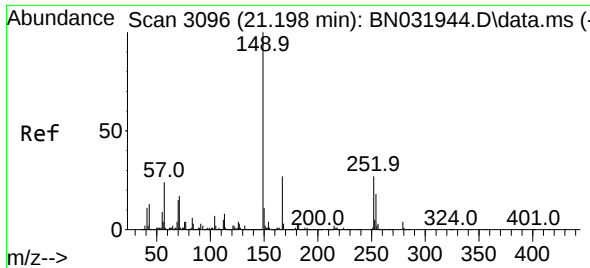
Delta R.T. 0.000 min

Lab File: BN031949.D

Acq: 12 Jun 2024 19:59

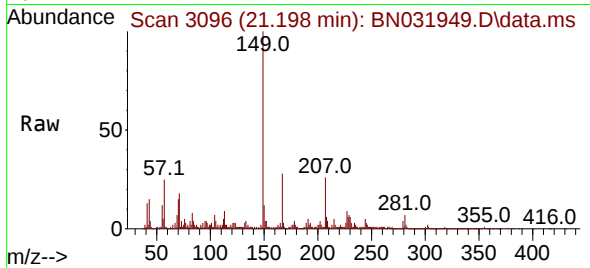
Tgt Ion:	228	Resp:	3814594
Ion Ratio	Lower	Upper	
228	100		
229	22.3	16.7	25.1
226	30.6	22.8	34.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 5.648 ng/ul
RT: 21.198 min Scan# 3096
Delta R.T. -0.006 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

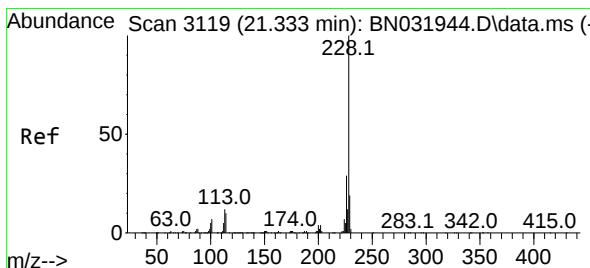
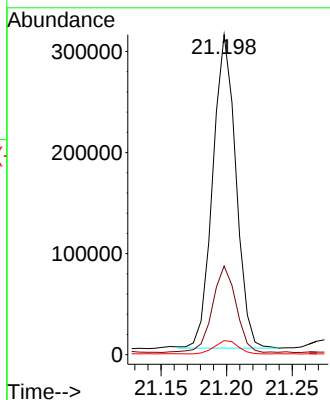
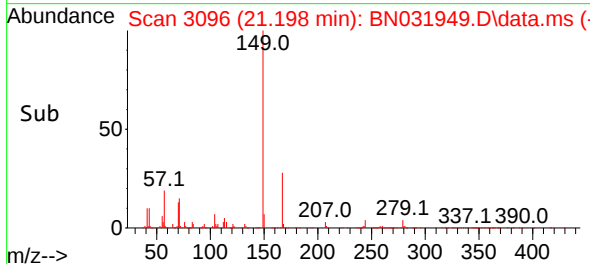
Instrument : BNA_N
ClientSampleId : BH683



Tgt Ion:149 Resp: 380482
Ion Ratio Lower Upper
149 100
167 27.7 21.4 32.0
279 4.4 3.3 4.9

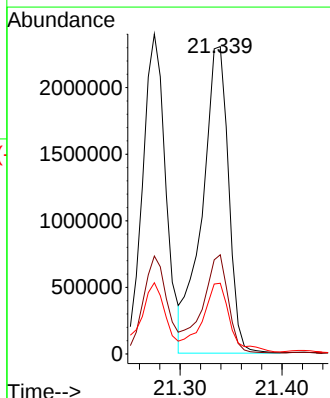
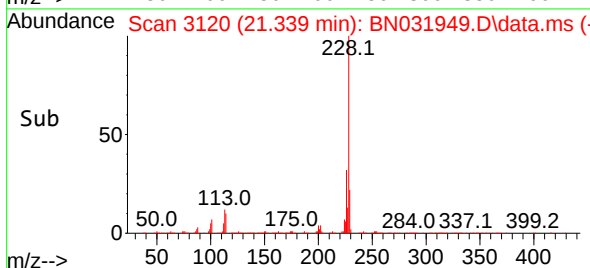
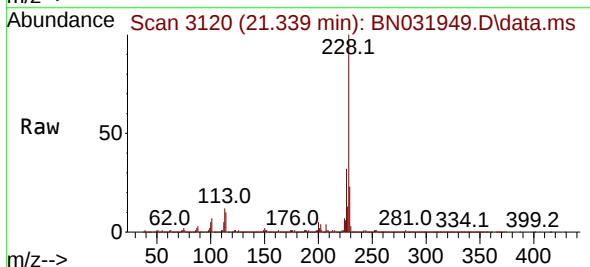
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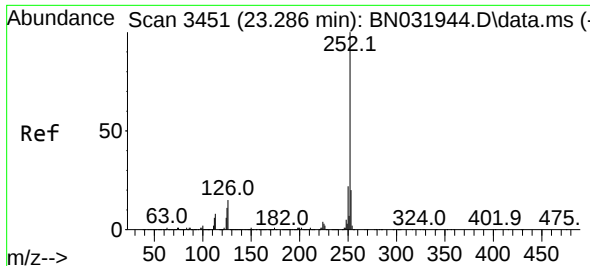
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#87
Chrysene
Concen: 44.430 ng/ul m
RT: 21.339 min Scan# 3120
Delta R.T. 0.006 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

Tgt Ion:228 Resp: 4142470
Ion Ratio Lower Upper
228 100
226 32.3 23.7 35.5
229 23.0 15.1 22.7#





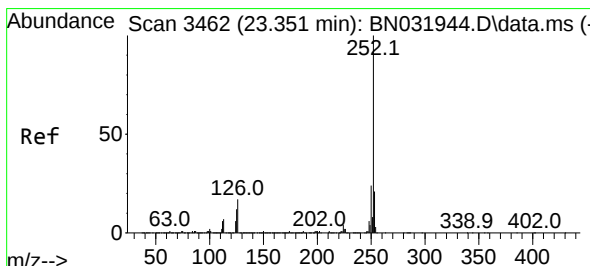
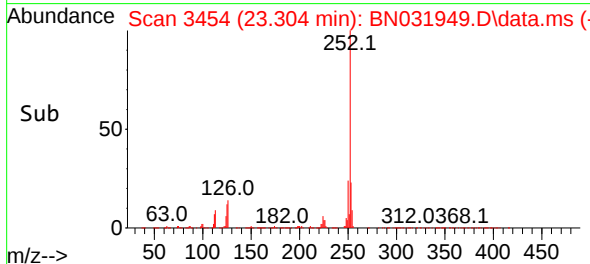
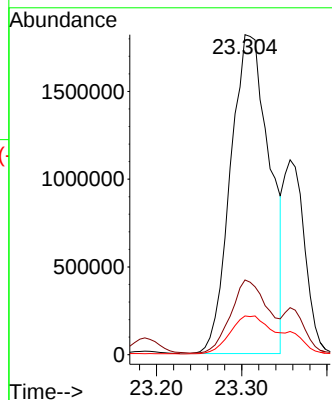
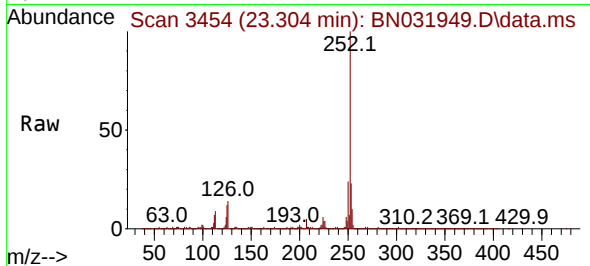
#90
Benzo(b)fluoranthene
Concen: 52.460 ng/u1
RT: 23.304 min Scan# 3454
Delta R.T. 0.012 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

Instrument :
BNA_N
ClientSampleId :
BH683

Tgt Ion:252 Resp: 5794910
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 12.1 9.2 13.8

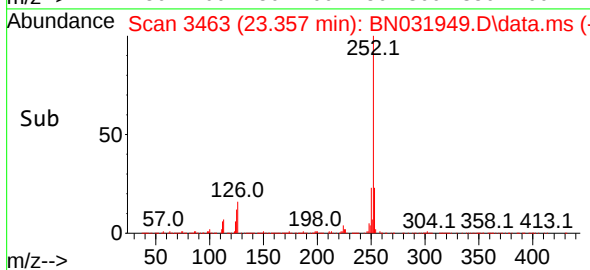
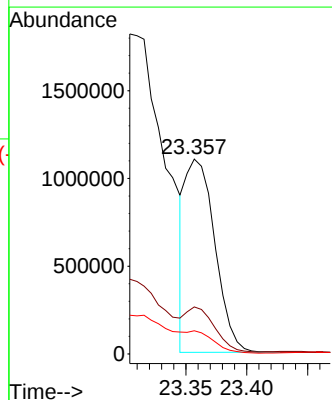
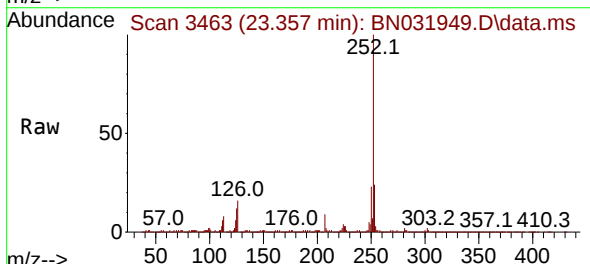
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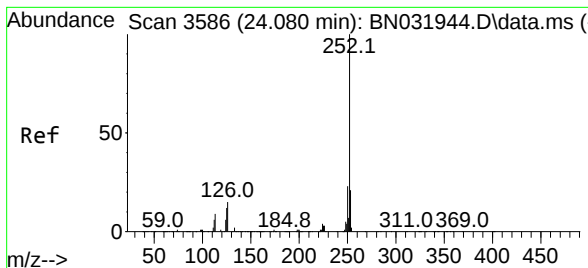
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#91
Benzo(k)fluoranthene
Concen: 17.071 ng/u1
RT: 23.357 min Scan# 3463
Delta R.T. 0.006 min
Lab File: BN031949.D
Acq: 12 Jun 2024 19:59

Tgt Ion:252 Resp: 1850408
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 11.9 9.4 14.2





#93

Benzo(a)pyrene

Concen: 23.744 ng/ul

RT: 24.092 min Scan# 31

Delta R.T. 0.012 min

Lab File: BN031949.D

Acq: 12 Jun 2024 19:59

Instrument :

BNA_N

ClientSampleId :

BH683

Tgt Ion:252 Resp: 245647

Ion Ratio Lower Upper

252 100

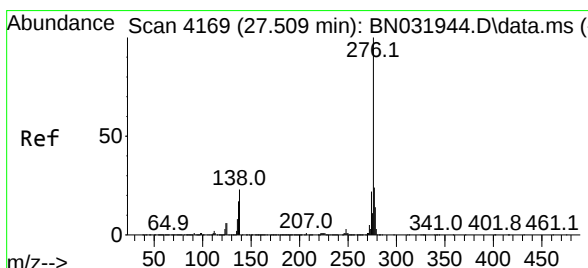
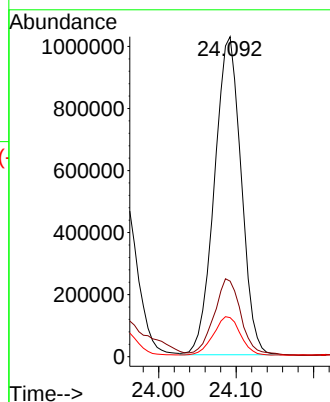
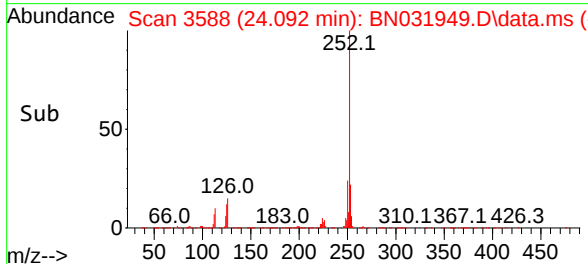
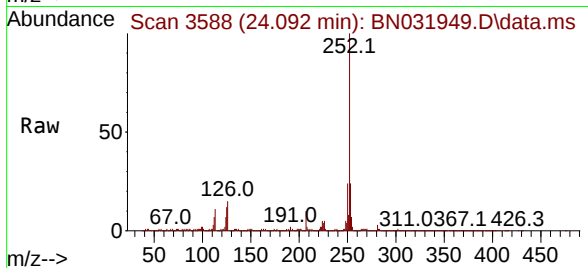
253 23.6 16.6 24.8

125 12.2 9.8 14.8

Manual Integrations

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 19.425 ng/ul

RT: 27.527 min Scan# 4172

Delta R.T. 0.012 min

Lab File: BN031949.D

Acq: 12 Jun 2024 19:59

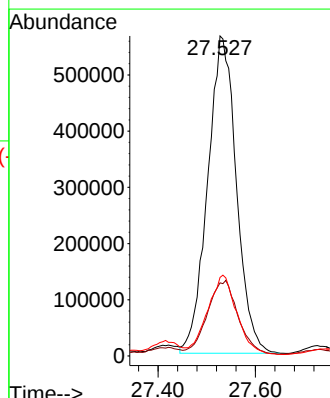
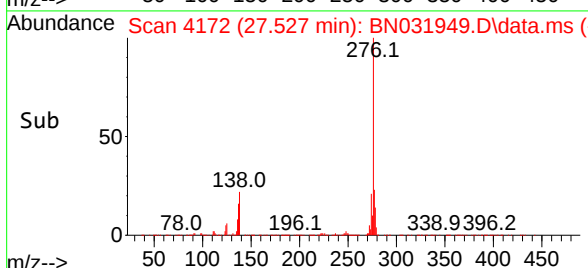
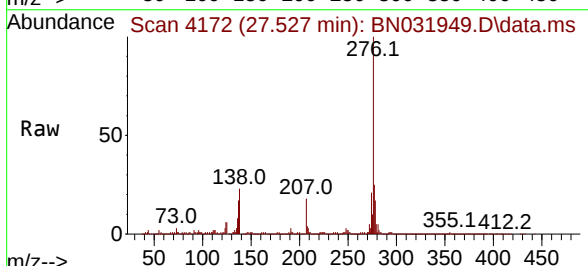
Tgt Ion:276 Resp: 2315762

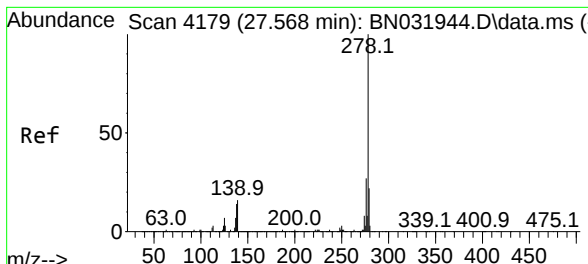
Ion Ratio Lower Upper

276 100

138 22.9 18.1 27.1

277 24.6 18.2 27.2





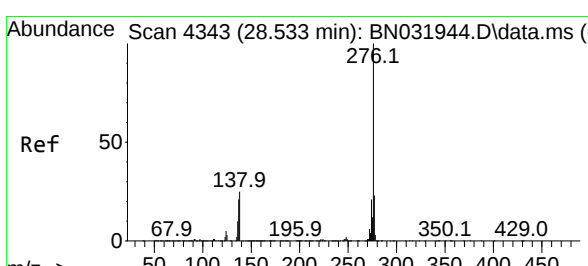
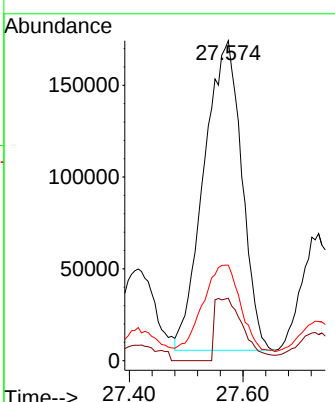
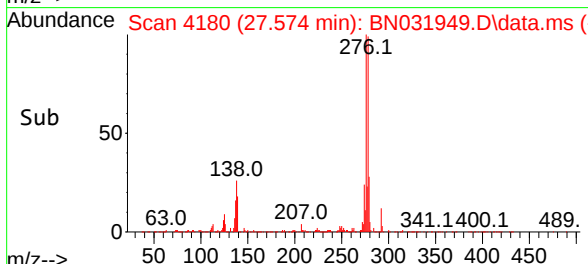
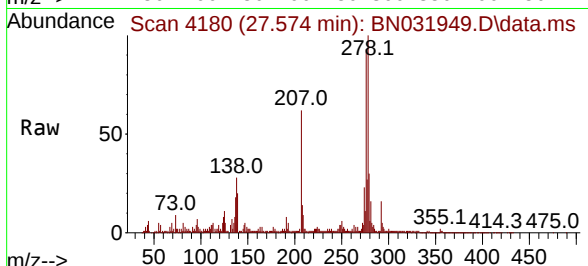
#95
 Dibenzo(a,h)anthracene
 Concen: 8.022 ng/ul
 RT: 27.574 min Scan# 4180
 Delta R.T. -0.006 min
 Lab File: BN031949.D
 Acq: 12 Jun 2024 19:59

Instrument : BNA_N
 ClientSampleId : BH683

Tgt Ion: 278 Resp: 78075

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.0	22.6
279	29.9	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: 3.569 ng/ul m
 RT: 28.551 min Scan# 4346
 Delta R.T. 0.006 min
 Lab File: BN031949.D
 Acq: 12 Jun 2024 19:59

Tgt Ion: 276 Resp: 338202

Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.9	31.3
277	27.3	18.0	27.0

