

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031784.D
 Acq On : 04 Jun 2024 20:11
 Operator : MA/JU
 Sample : P2591-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBW3

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 01:21:14 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	469855	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2016012	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1200444	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	2112676	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1198898	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1465113	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	41362	3.642	ng/uL	0.00
4) Pyridine-d5	3.605	84	80801	2.527	ng/u1	0.00
7) Phenol-d5	6.852	99	919258	22.822	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	533757	22.655	ng/u1	0.00
11) 2-Chlorophenol-d4	7.211	132	749282	24.379	ng/u1	0.00
15) 4-Methylphenol-d8	8.381	113	728573	22.189	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	393973	25.559	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	390211	24.506	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	724610	24.376	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	778724	17.644	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2159301	25.820	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2527331	26.282	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	203061	12.127	ng/u1	0.00
60) Fluorene-d10	15.316	176	1837785	25.972	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	88108	8.297	ng/u1	0.00
73) Anthracene-d10	17.169	188	2540955	28.093	ng/u1	0.00
81) Pyrene-d10	19.469	212	2015861	31.421	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	1385956	19.811	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.510	128	300199	2.877	ng/u1	98
36) 2-Methylnaphthalene	12.128	142	119830	1.680	ng/u1	99
37) 1-Methylnaphthalene	12.351	142	107671	1.505	ng/u1	98
50) Acenaphthylene	14.040	152	157832	1.452	ng/u1	99
52) Acenaphthene	14.387	153	398616	5.543	ng/u1	99
56) Dibenzofuran	14.722	168	507824	5.198	ng/u1	100
61) Fluorene	15.375	166	463439	5.891	ng/u1	95
72) Phenanthrene	17.116	178	8937691	83.047	ng/u1	99
74) Anthracene	17.204	178	2033066	18.643	ng/u1	99
77) Carbazole	17.475	167	1122891	12.076	ng/u1	98
78) Di-n-butylphthalate	18.045	149	205759	1.608	ng/u1	100
80) Fluoranthene	19.139	202	10994735	143.399	ng/u1	99
82) Pyrene	19.498	202	7966163	101.266	ng/u1	98
83) Butylbenzylphthalate	20.404	149	61679	1.660	ng/u1	94
85) Benzo(a)anthracene	21.286	228	4868281	60.666	ng/u1	100
86) Bis(2-ethylhexyl)phtha...	21.216	149	598623	11.053	ng/u1	98
87) Chrysene	21.351	228	4525070	60.369	ng/u1	97
90) Benzo(b)fluoranthene	23.327	252	5759030	65.762	ng/u1	95
91) Benzo(k)fluoranthene	23.380	252	2157701m	25.109	ng/u1	
93) Benzo(a)pyrene	24.110	252	2464018	30.042	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.562	276	2169212	22.951	ng/u1	98
95) Dibenzo(a,h)anthracene	27.604	278	785740	10.183	ng/u1	95
96) Benzo(g,h,i)perylene	28.592	276	290370m	3.865	ng/u1	

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

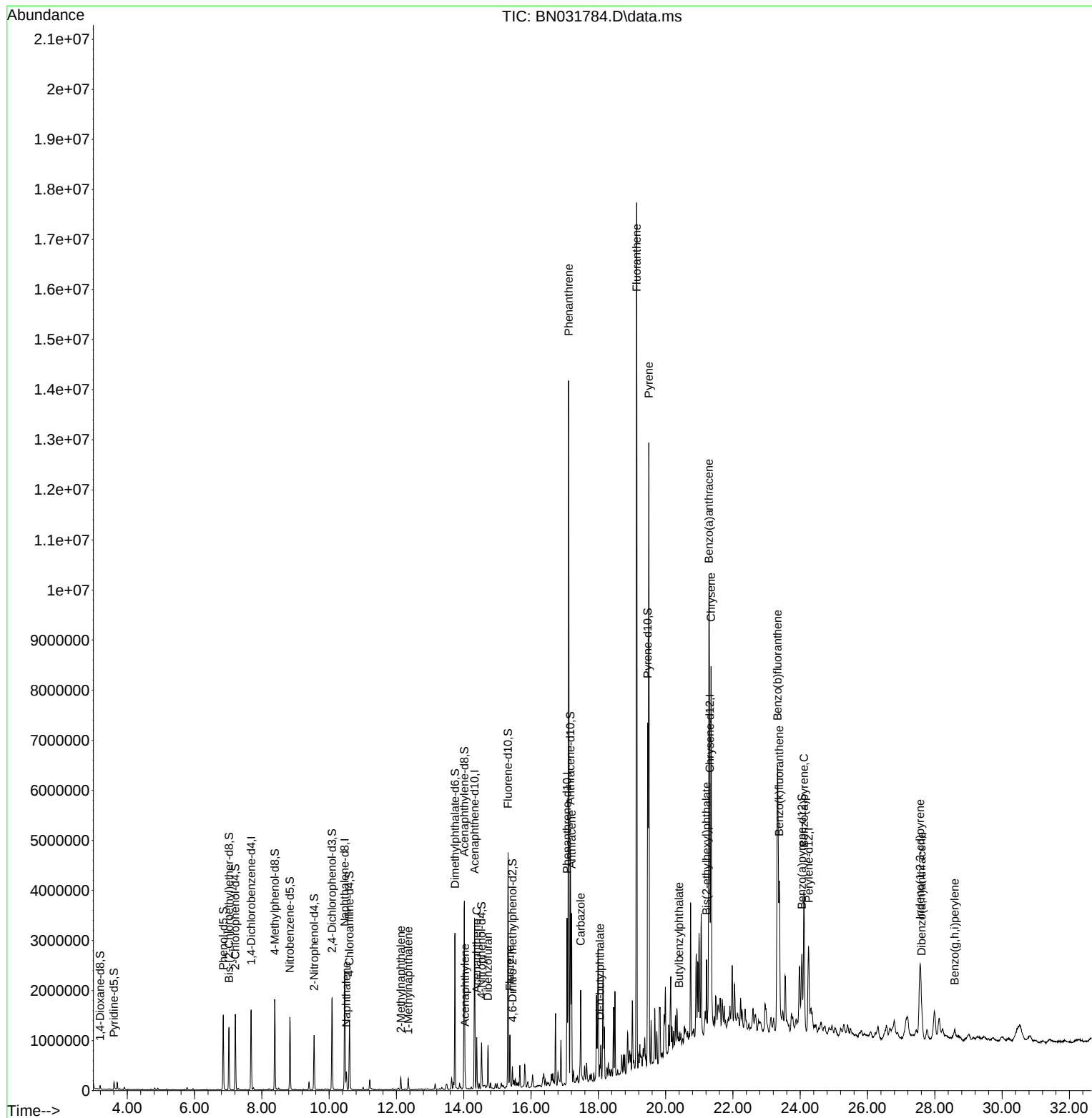
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
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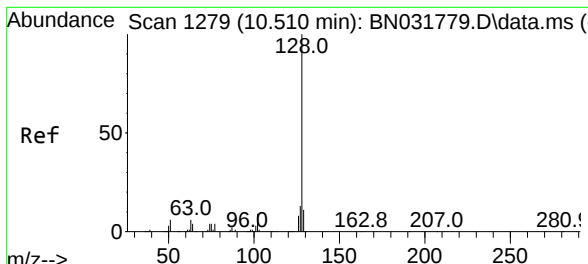
Instrument :
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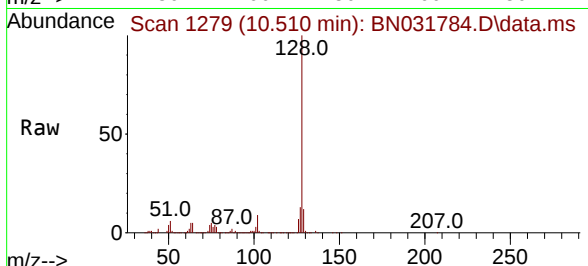
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Naphthalene
Concen: 2.877 ng/ul
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

Instrument :

BNA_N

ClientSampleId :

BHBW3

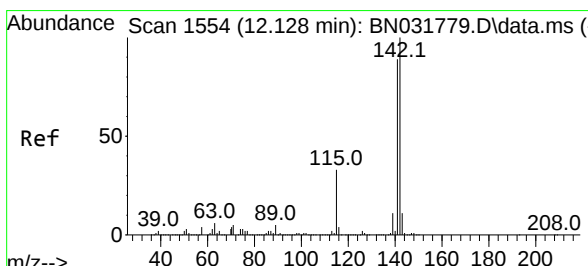
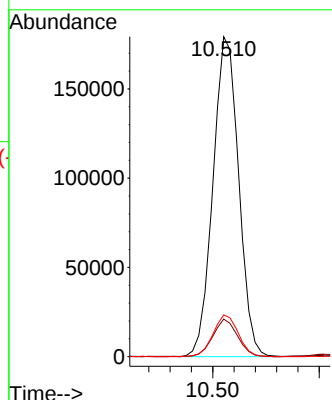
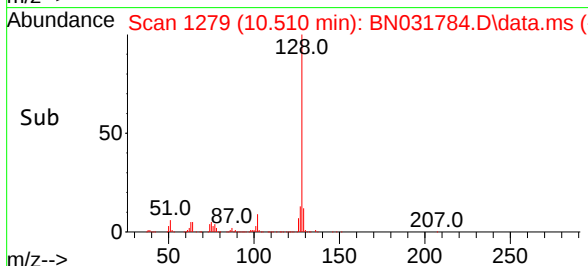


Tgt Ion:	128	Resp:	30019
Ion Ratio	Lower	Upper	
128	100		
129	11.8	8.5	12.7
127	13.1	10.3	15.5

Manual Integrations

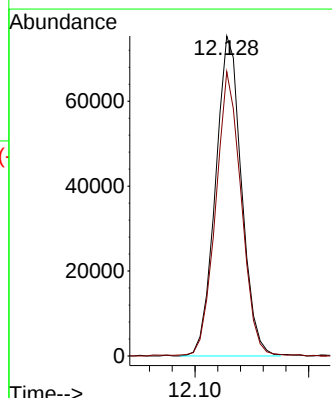
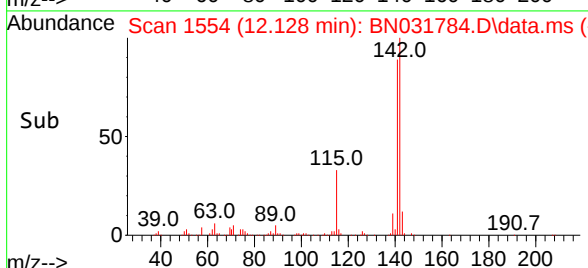
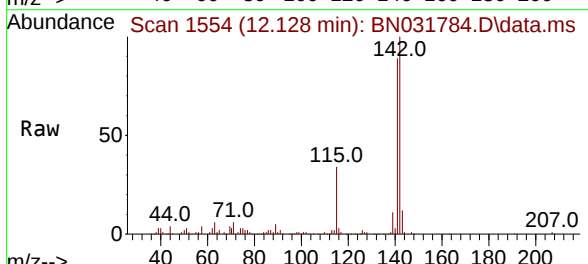
APPROVED

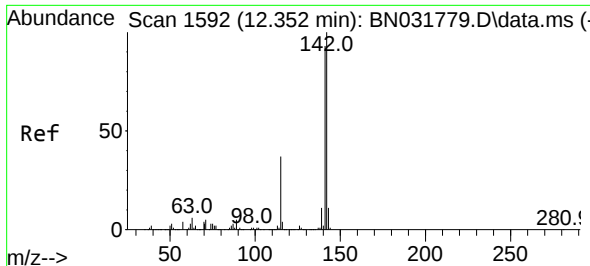
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#36
2-Methylnaphthalene
Concen: 1.680 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

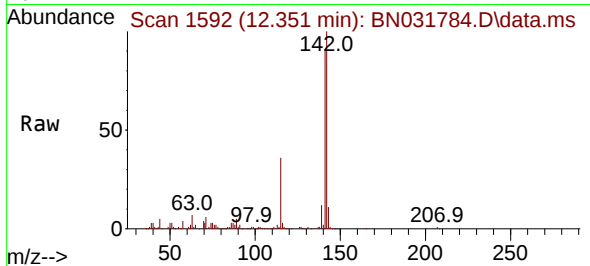
Tgt Ion:	142	Resp:	119830
Ion Ratio	Lower	Upper	
142	100		
141	88.9	70.1	105.1





#37
1-Methylnaphthalene
Concen: 1.505 ng/ul
RT: 12.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

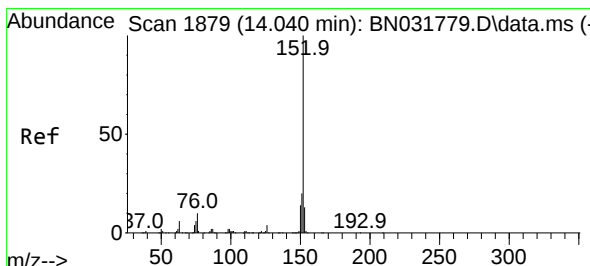
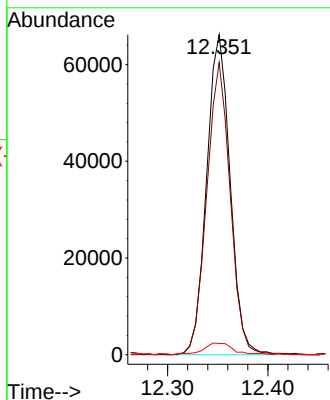
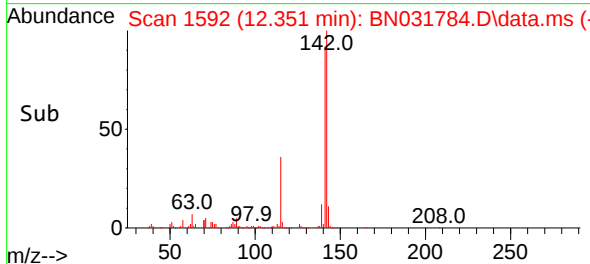
Instrument :
BNA_N
ClientSampleId :
BHBW3



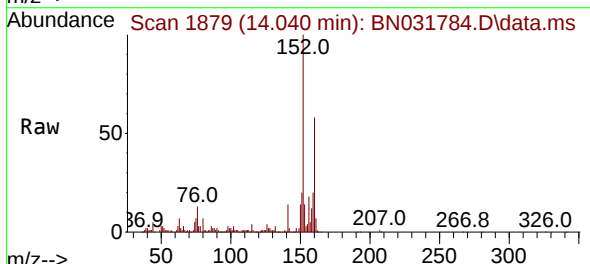
Tgt Ion:142 Resp: 10767
Ion Ratio Lower Upper
142 100
141 91.3 71.7 107.5
116 3.5 3.0 4.4

Manual Integrations
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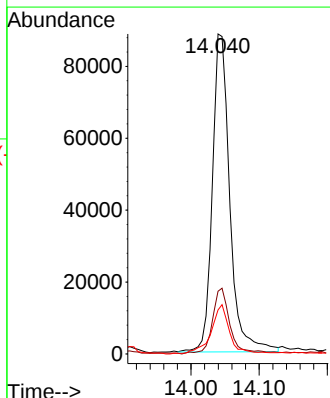
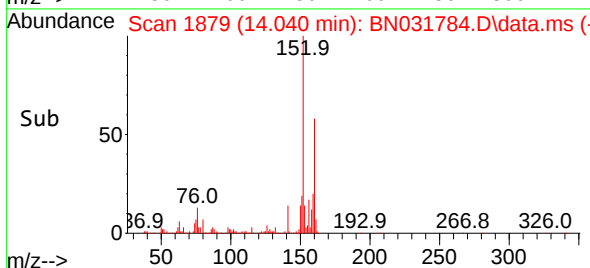
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

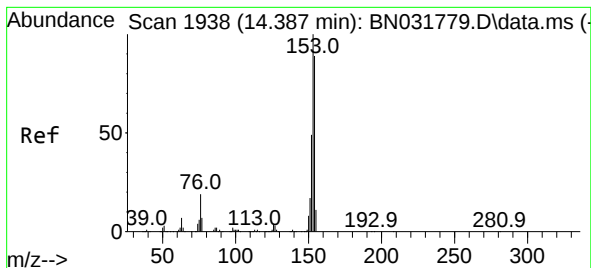


#50
Acenaphthylene
Concen: 1.452 ng/ul
RT: 14.040 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11



Tgt Ion:152 Resp: 157832
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.8 10.4 15.6





#52

Acenaphthene

Concen: 5.543 ng/u1

RT: 14.387 min Scan# 1938

Delta R.T. -0.000 min

Lab File: BN031784.D

Acq: 04 Jun 2024 20:11

Instrument :

BNA_N

ClientSampleId :

BHBW3

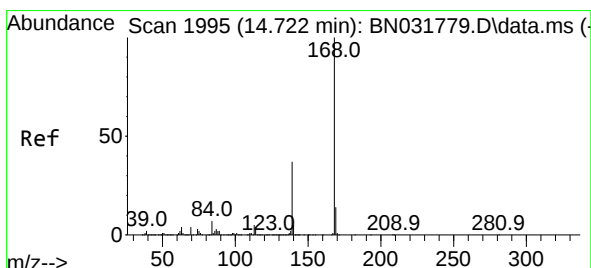
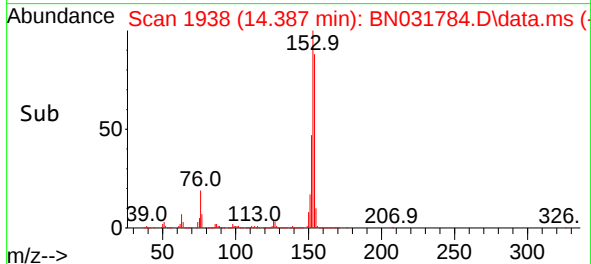
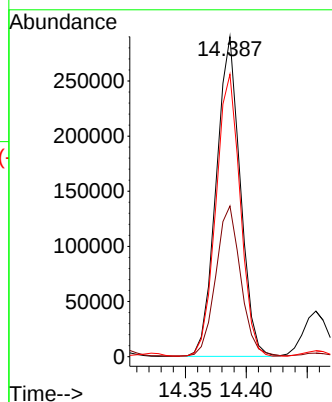
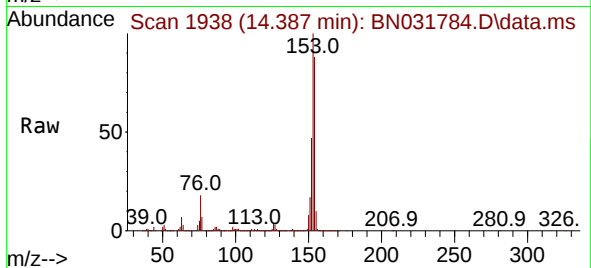
Tgt Ion:153 Resp: 398610

Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.8	56.6
154	88.2	69.8	104.8

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Supervised By :mohammad ahmed 06/07/2024



#56

Dibenzofuran

Concen: 5.198 ng/u1

RT: 14.722 min Scan# 1995

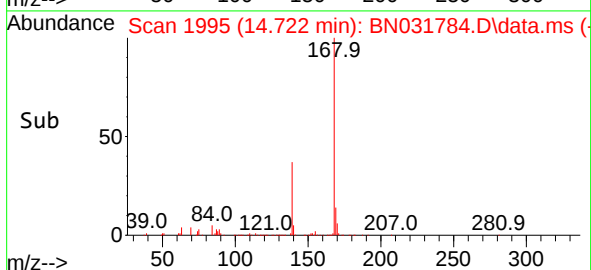
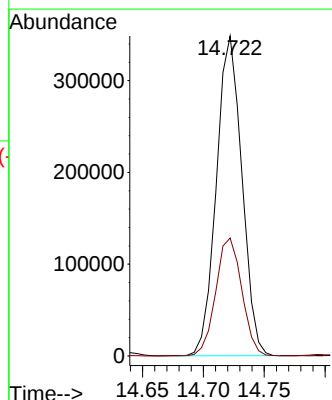
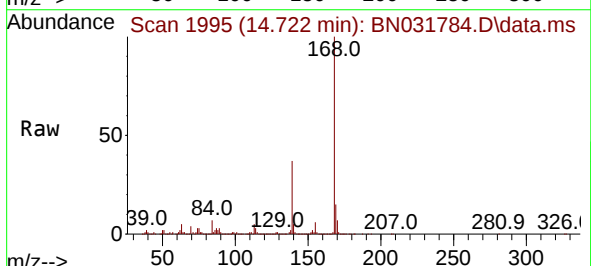
Delta R.T. -0.006 min

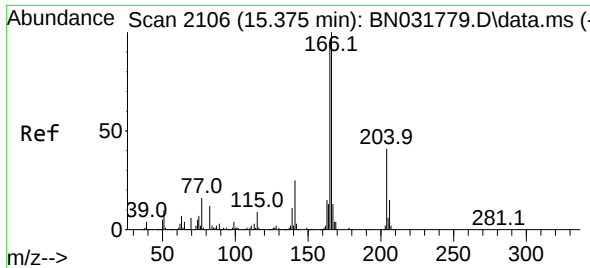
Lab File: BN031784.D

Acq: 04 Jun 2024 20:11

Tgt Ion:168 Resp: 507824

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.4	44.0





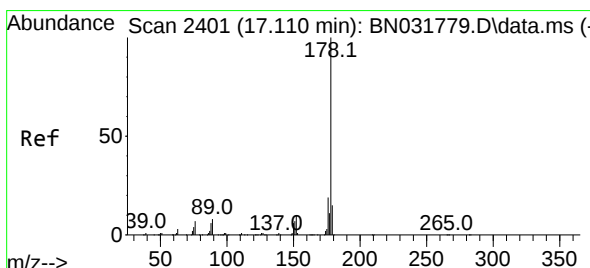
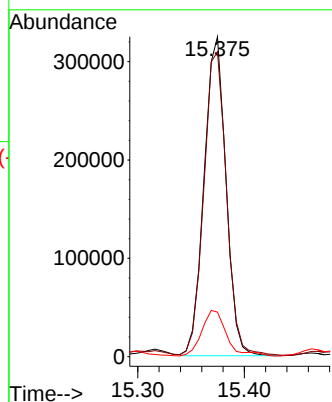
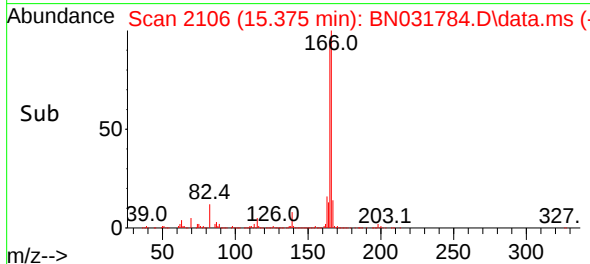
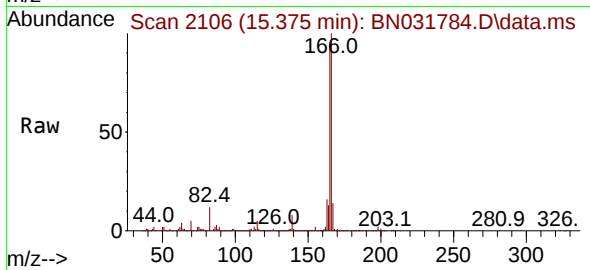
#61
Fluorene
Concen: 5.891 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

Instrument :
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ClientSampleId :
BHBW3

Tgt Ion:166 Resp: 463439
Ion Ratio Lower Upper
166 100
165 95.3 80.3 120.5
167 13.9 11.3 16.9

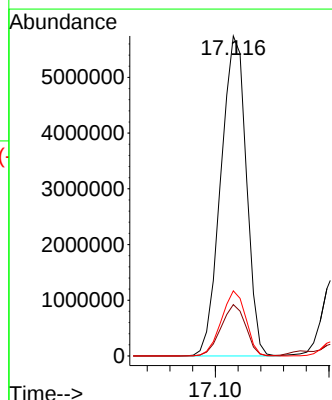
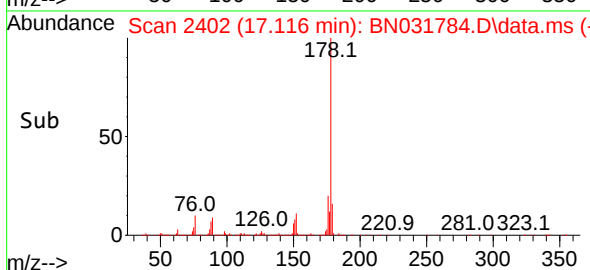
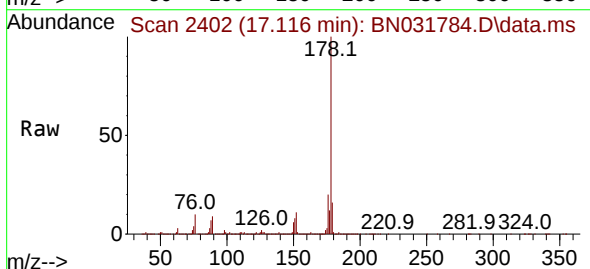
Manual Integrations
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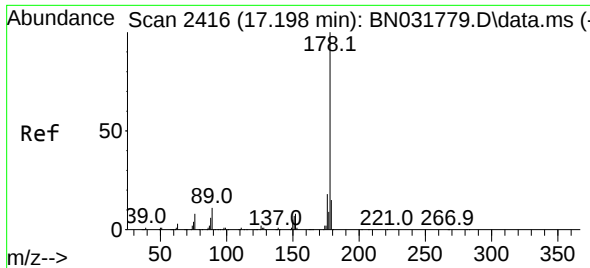
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#72
Phenanthrene
Concen: 83.047 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

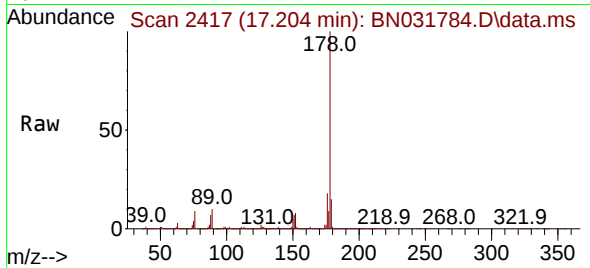
Tgt Ion:178 Resp: 8937691
Ion Ratio Lower Upper
178 100
179 16.1 12.6 19.0
176 20.3 15.8 23.6





#74
 Anthracene
 Concen: 18.643 ng/u1
 RT: 17.204 min Scan# 2416
 Delta R.T. -0.000 min
 Lab File: BN031784.D
 Acq: 04 Jun 2024 20:11

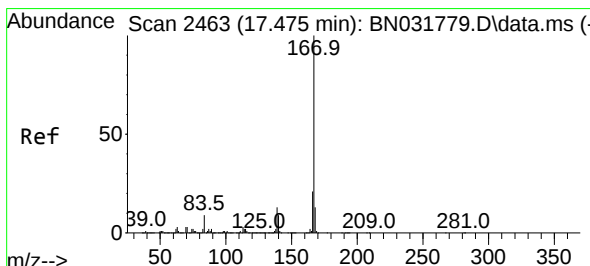
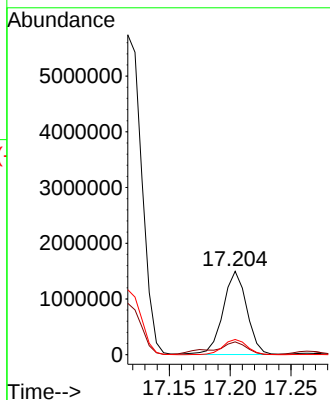
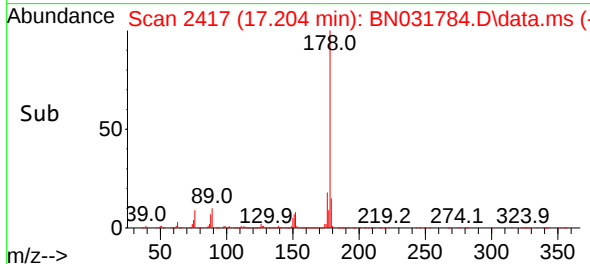
Instrument :
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Tgt Ion:178 Resp: 2033060
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.8 17.6
 176 18.3 14.8 22.2

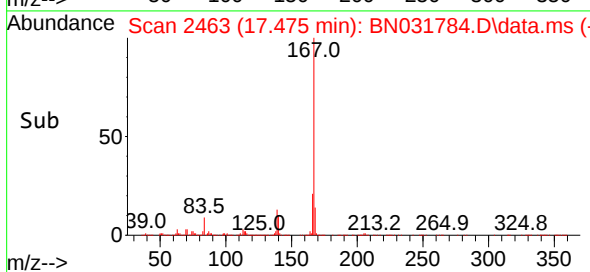
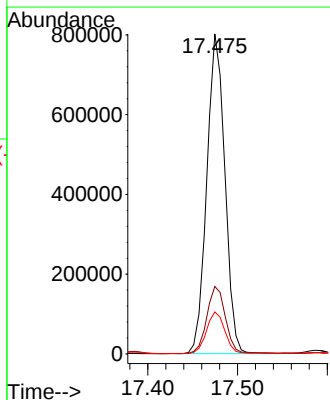
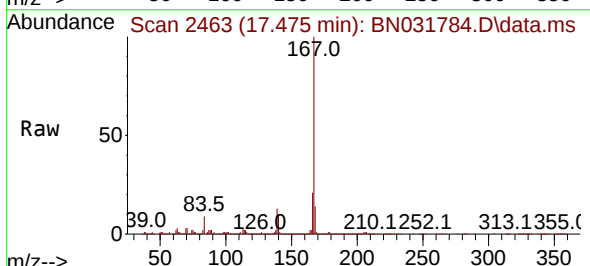
Manual Integrations
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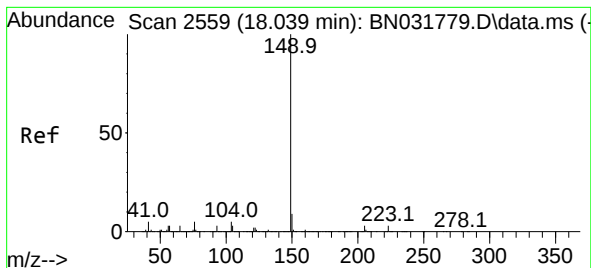
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#77
 Carbazole
 Concen: 12.076 ng/u1
 RT: 17.475 min Scan# 2463
 Delta R.T. -0.000 min
 Lab File: BN031784.D
 Acq: 04 Jun 2024 20:11

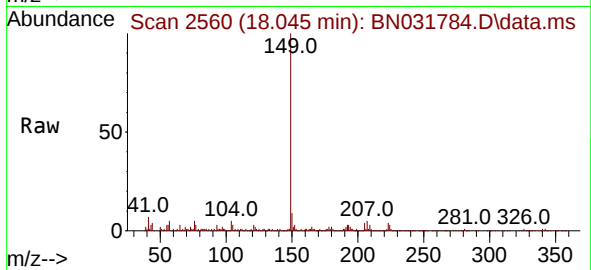
Tgt Ion:167 Resp: 1122891
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.9 26.9
 139 13.2 10.5 15.7





#78
Di-n-butylphthalate
Concen: 1.608 ng/ul
RT: 18.045 min Scan# 2559
Delta R.T. -0.000 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

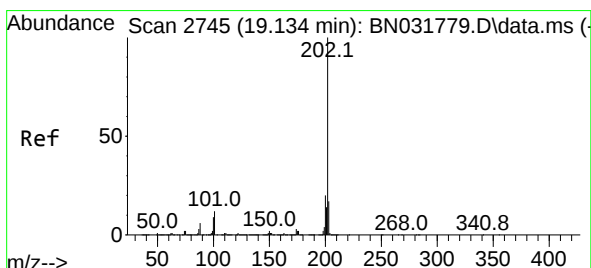
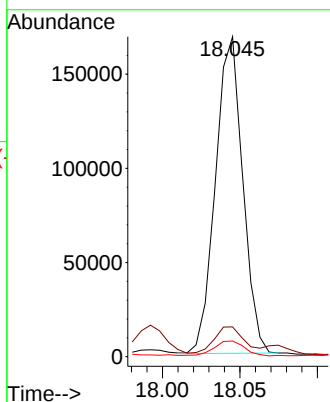
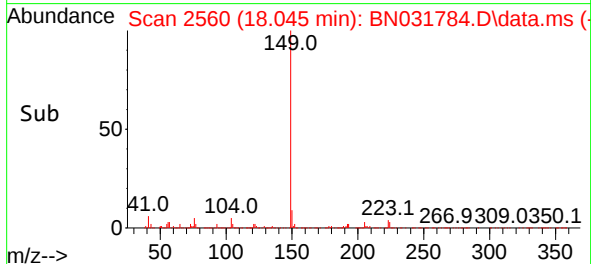
Instrument :
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Tgt Ion:149 Resp: 205759
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.9 4.1 6.1

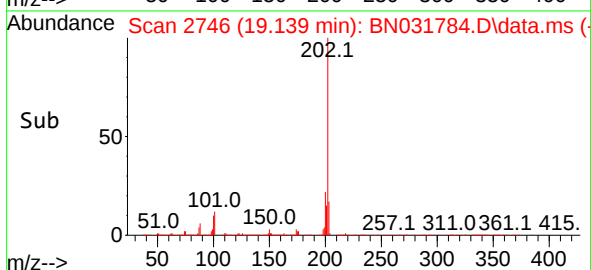
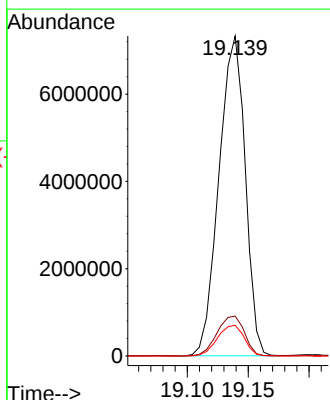
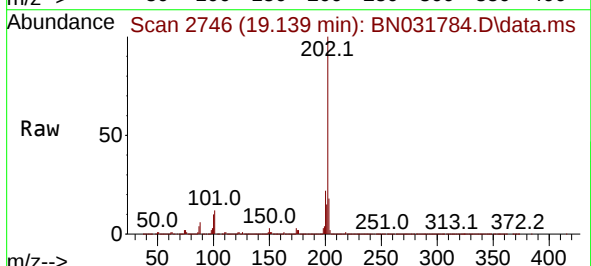
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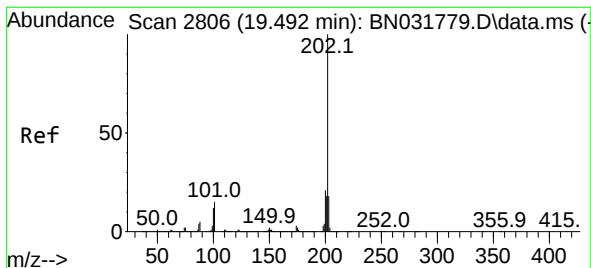
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#80
Fluoranthene
Concen: 143.399 ng/ul
RT: 19.139 min Scan# 2746
Delta R.T. 0.006 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

Tgt Ion:202 Resp:10994735
Ion Ratio Lower Upper
202 100
101 12.4 10.3 15.5
100 9.6 8.0 12.0





#82

Pyrene

Concen: 101.266 ng/ul

RT: 19.498 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BN031784.D

Acq: 04 Jun 2024 20:11

Instrument :

BNA_N

ClientSampleId :

BHBW3

Tgt Ion:202 Resp: 796616

Ion Ratio Lower Upper

202 100

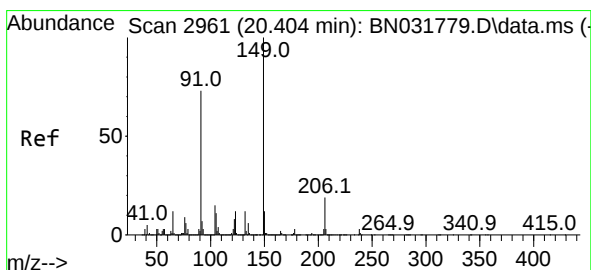
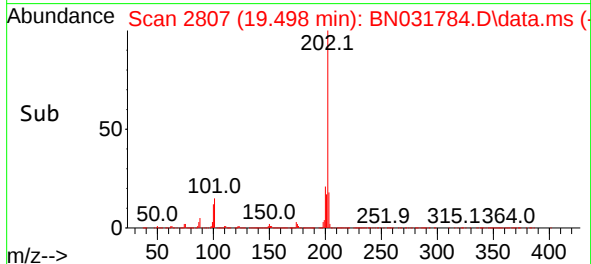
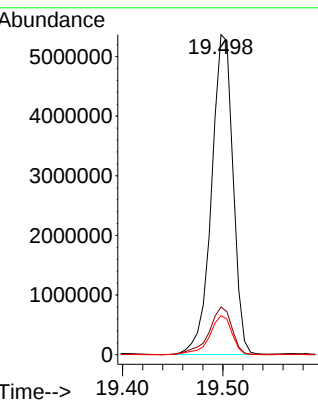
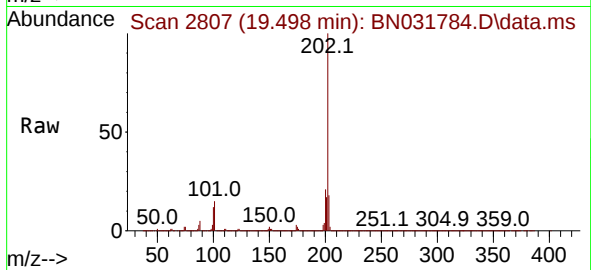
101 14.9 12.6 18.8

100 12.2 10.2 15.2

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Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#83

Butylbenzylphthalate

Concen: 1.660 ng/ul

RT: 20.404 min Scan# 2961

Delta R.T. -0.000 min

Lab File: BN031784.D

Acq: 04 Jun 2024 20:11

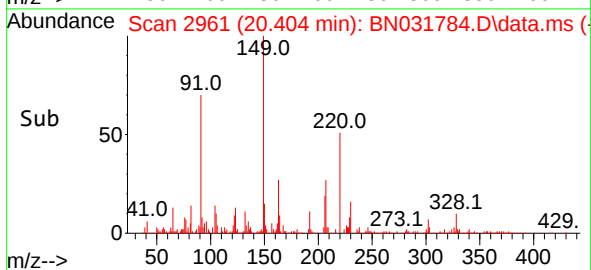
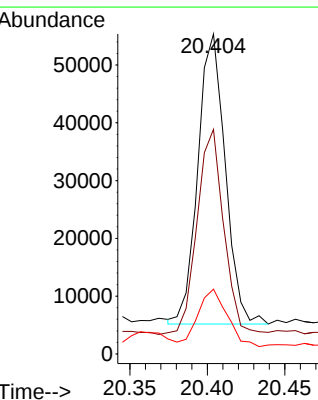
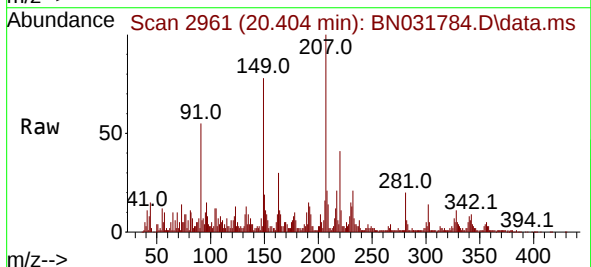
Tgt Ion:149 Resp: 61679

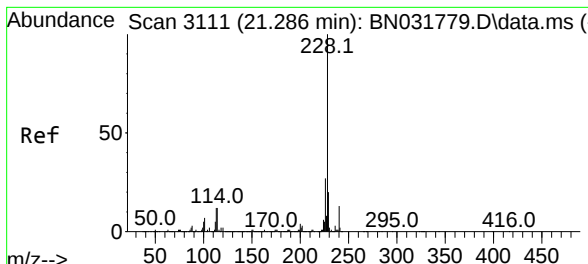
Ion Ratio Lower Upper

149 100

91 70.2 61.0 91.4

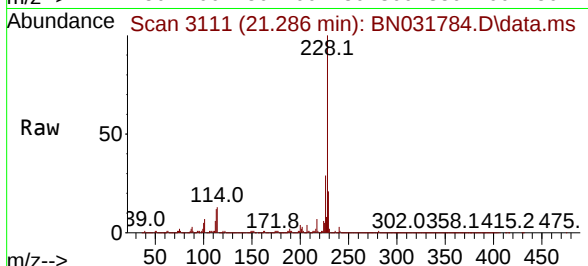
206 20.2 16.5 24.7





#85
 Benzo(a)anthracene
 Concen: 60.666 ng/ul
 RT: 21.286 min Scan# 3111
 Delta R.T. -0.000 min
 Lab File: BN031784.D
 Acq: 04 Jun 2024 20:11

Instrument :
 BNA_N
 ClientSampleId :
 BHBW3

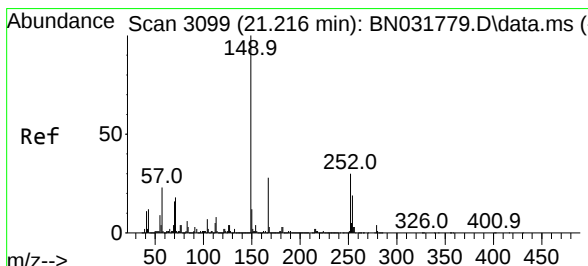
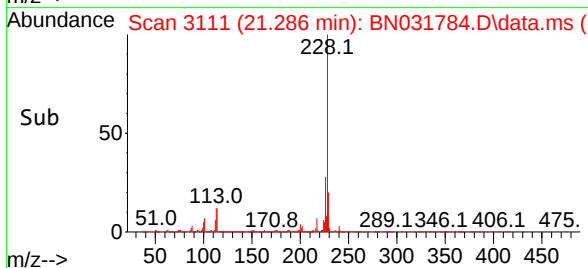
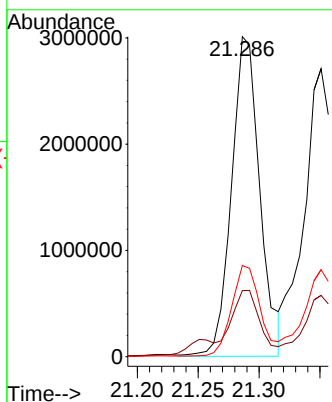


Tgt Ion: 228 Resp: 486828

Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.7	25.1
226	28.5	22.8	34.2

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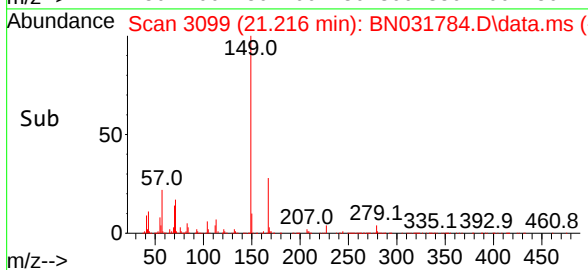
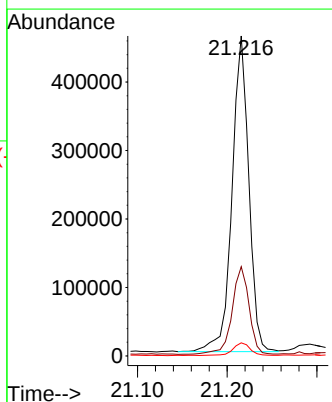
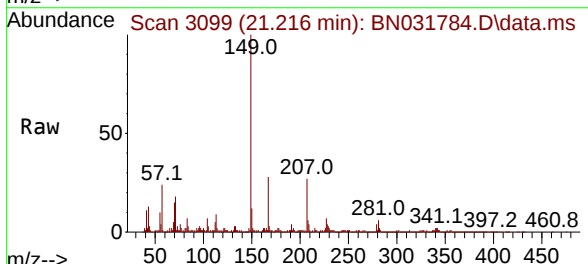
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

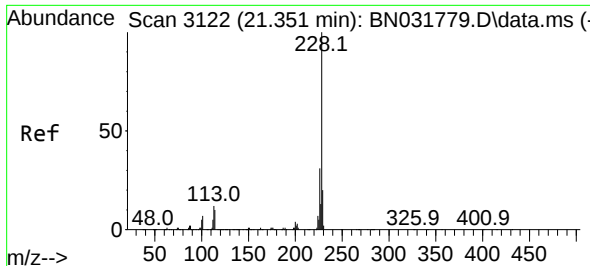


#86
 Bis(2-ethylhexyl)phthalate
 Concen: 11.053 ng/ul
 RT: 21.216 min Scan# 3099
 Delta R.T. -0.006 min
 Lab File: BN031784.D
 Acq: 04 Jun 2024 20:11

Tgt Ion: 149 Resp: 598623

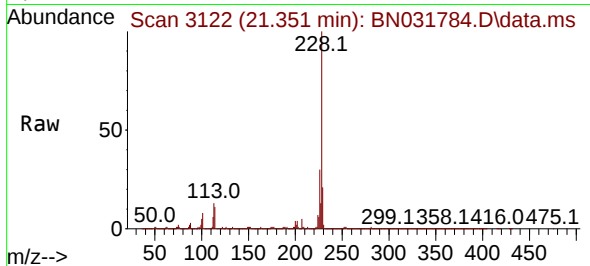
Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.4	32.0
279	4.1	3.3	4.9





#87
Chrysene
Concen: 60.369 ng/u1
RT: 21.351 min Scan# 3122
Delta R.T. -0.000 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

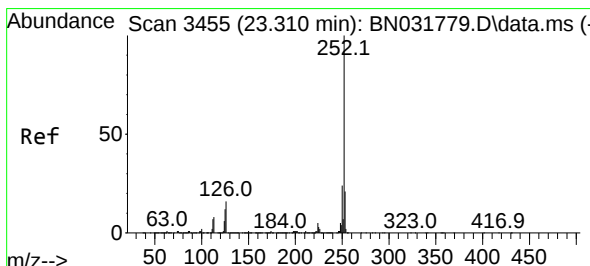
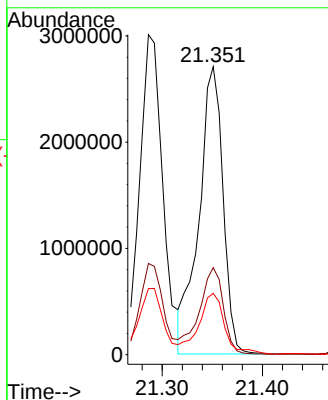
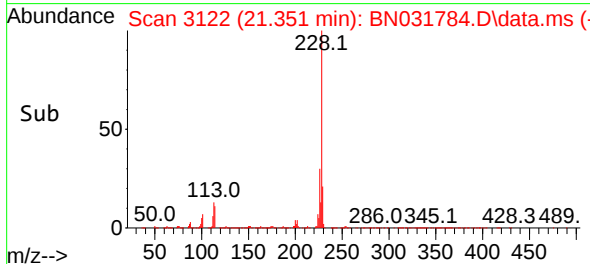
Instrument :
BNA_N
ClientSampleId :
BHBW3



Tgt Ion:228 Resp: 4525070
Ion Ratio Lower Upper
228 100
226 30.2 23.7 35.5
229 21.3 15.1 22.7

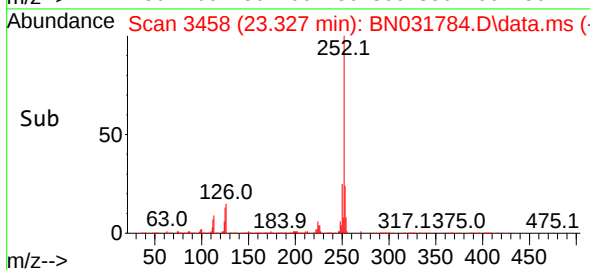
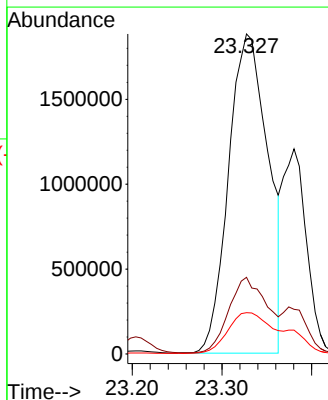
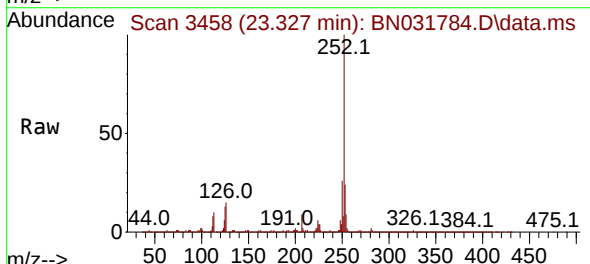
Manual Integrations
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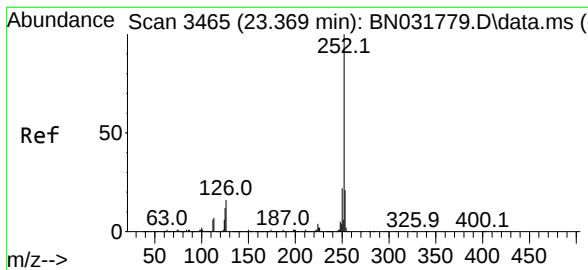
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#90
Benzo(b)fluoranthene
Concen: 65.762 ng/u1
RT: 23.327 min Scan# 3458
Delta R.T. 0.018 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

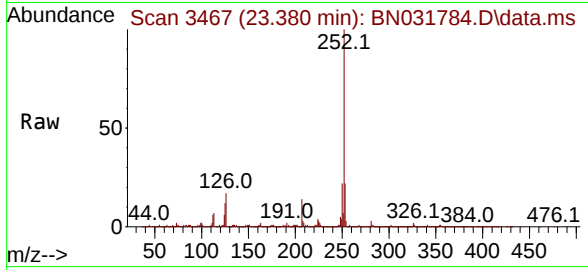
Tgt Ion:252 Resp: 5759030
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 12.9 9.2 13.8





#91
Benzo(k)fluoranthene
Concen: 25.109 ng/ul m
RT: 23.380 min Scan# 3465
Delta R.T. 0.006 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

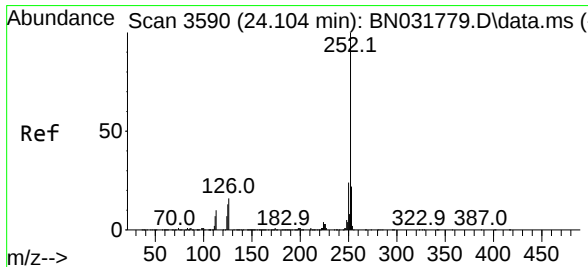
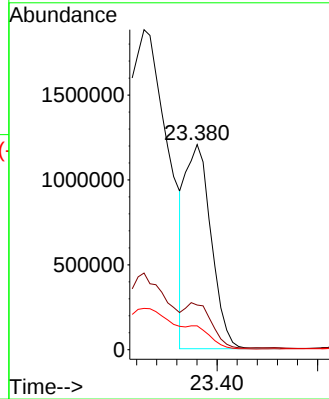
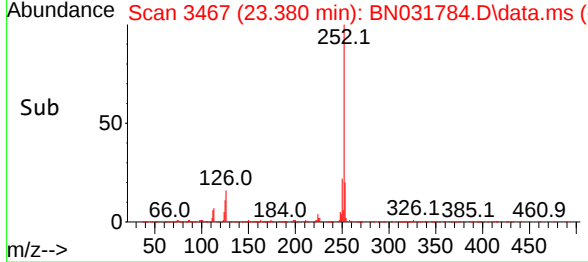
Instrument :
BNA_N
ClientSampleId :
BHBW3



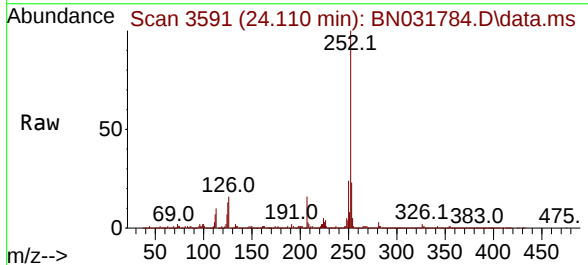
Tgt Ion:252 Resp: 215770
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 11.6 9.4 14.2

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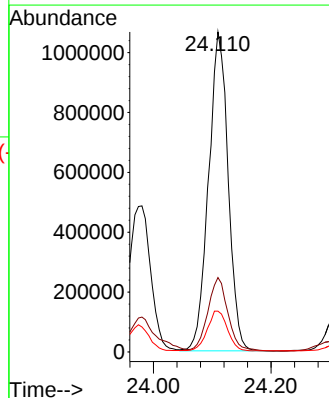
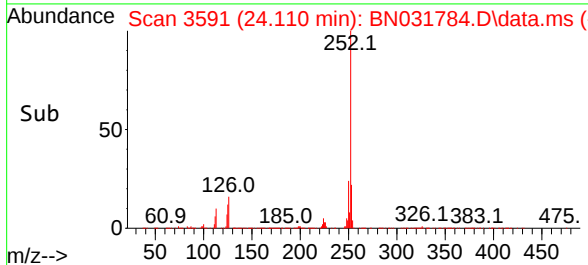
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

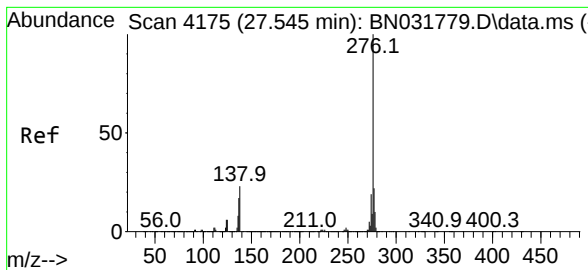


#93
Benzo(a)pyrene
Concen: 30.042 ng/ul
RT: 24.110 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11



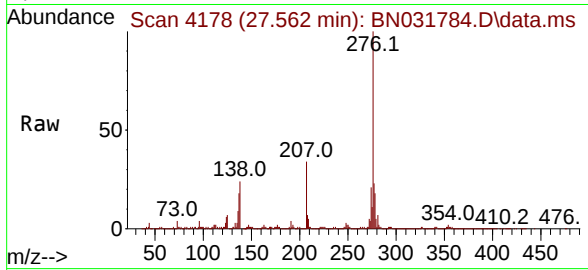
Tgt Ion:252 Resp: 2464018
Ion Ratio Lower Upper
252 100
253 23.3 16.6 24.8
125 12.7 9.8 14.8





#94
Indeno(1,2,3-cd)pyrene
Concen: 22.951 ng/ul
RT: 27.562 min Scan# 4175
Delta R.T. 0.029 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

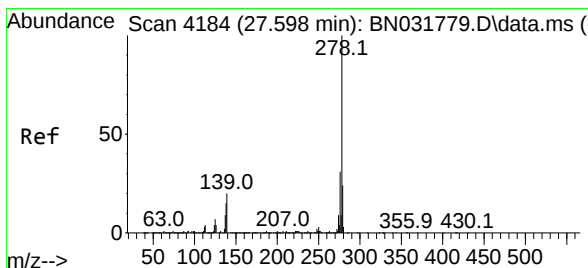
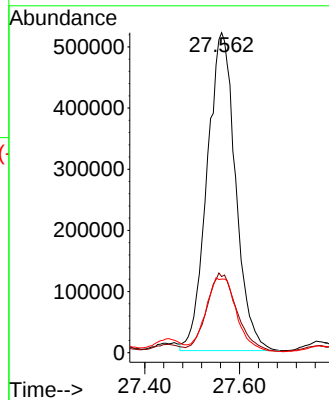
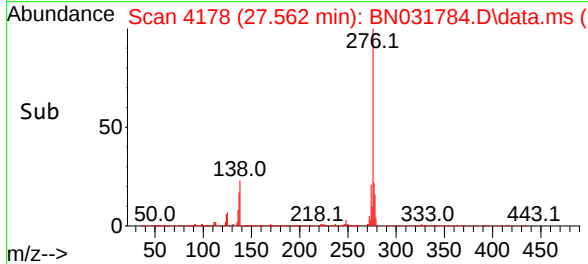
Instrument :
BNA_N
ClientSampleId :
BHBW3



Tgt Ion:276 Resp: 216921
Ion Ratio Lower Upper
276 100
138 23.8 18.1 27.1
277 23.0 18.2 27.2

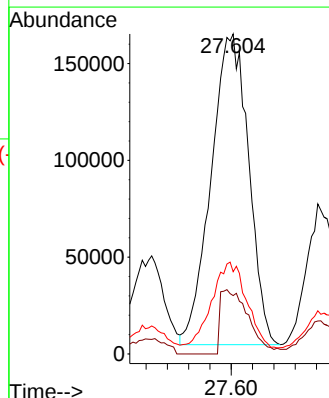
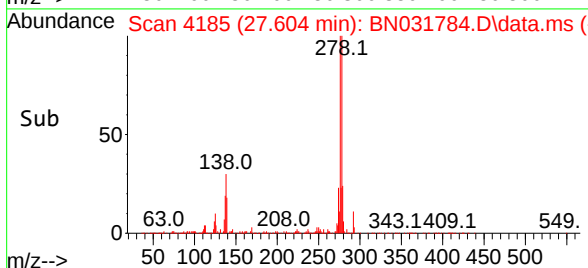
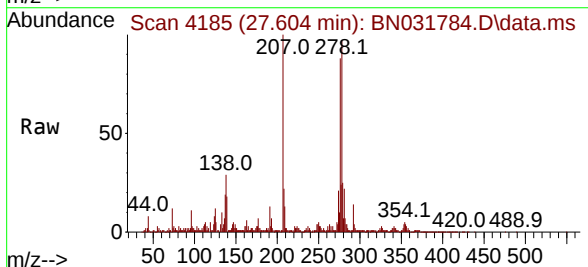
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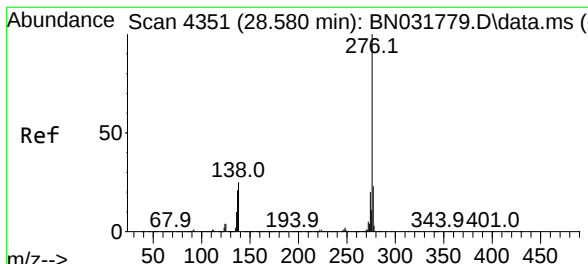
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#95
Dibenzo(a,h)anthracene
Concen: 10.183 ng/ul
RT: 27.604 min Scan# 4185
Delta R.T. -0.000 min
Lab File: BN031784.D
Acq: 04 Jun 2024 20:11

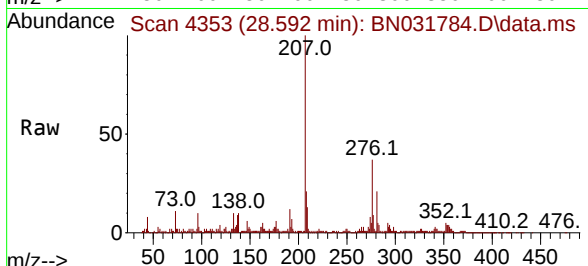
Tgt Ion:278 Resp: 785740
Ion Ratio Lower Upper
278 100
139 18.3 15.0 22.6
279 25.7 17.4 26.0





#96
 Benzo(g,h,i)perylene
 Concen: 3.865 ng/ul m
 RT: 28.592 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: BN031784.D
 Acq: 04 Jun 2024 20:11

Instrument : BNA_N
 ClientSampleId : BHBW3



Tgt Ion: 276 Resp: 290370

Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.9	31.3
277	25.2	18.0	27.0

Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

