

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031785.D
 Acq On : 04 Jun 2024 20:50
 Operator : MA/JU
 Sample : P2591-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5S9

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 01:24:36 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	513881	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2205666	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1297781	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.074	188	2089931	20.000	ng/u1	0.00
79) Chrysene-d12	21.321	240	1091952	20.000	ng/u1	0.02
88) Perylene-d12	24.256	264	1589377	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	36886	2.970	ng/uL	0.00
4) Pyridine-d5	3.599	84	274689	7.856	ng/u1	0.00
7) Phenol-d5	6.851	99	901654	20.467	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	486816	18.892	ng/u1	0.00
11) 2-Chlorophenol-d4	7.210	132	721717	21.471	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	686938	19.129	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	361232	21.420	ng/u1	0.00
24) 2-Nitrophenol-d4	9.551	143	390303	22.404	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	690120	21.220	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	518183	10.731	ng/u1	0.00
46) Dimethylphthalate-d6	13.739	166	1938039	21.436	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2286152	21.991	ng/u1	0.00
54) 4-Nitrophenol-d4	14.533	143	290006	16.020	ng/u1	0.00
60) Fluorene-d10	15.316	176	1653154	21.610	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	78240	7.448	ng/u1	0.01
73) Anthracene-d10	17.174	188	2041539	22.817	ng/u1	0.00
81) Pyrene-d10	19.474	212	1490946	25.516	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.056	264	1212674	15.979	ng/u1	0.02
Target Compounds	Qvalue					
30) Naphthalene	10.510	128	1575039	13.798	ng/u1	99
36) 2-Methylnaphthalene	12.128	142	848202	10.871	ng/u1	98
37) 1-Methylnaphthalene	12.351	142	508230	6.492	ng/u1	96
43) 1,1'-Biphenyl	13.151	154	231977	2.541	ng/u1	96
50) Acenaphthylene	14.045	152	472208	4.019	ng/u1	97
52) Acenaphthene	14.386	153	1246132	16.030	ng/u1	100
56) Dibenzofuran	14.722	168	1929440	18.268	ng/u1	98
61) Fluorene	15.375	166	1394429	16.395	ng/u1	97
72) Phenanthrene	17.121	178	17448938	163.896	ng/u1	98
74) Anthracene	17.210	178	5695439	52.796	ng/u1	97
77) Carbazole	17.480	167	3360535	36.533	ng/u1	99
80) Fluoranthene	19.145	202	18824491m	269.565	ng/u1	
82) Pyrene	19.510	202	16070362	224.295	ng/u1	97
83) Butylbenzylphthalate	20.410	149	70516	2.084	ng/u1	92
85) Benzo(a)anthracene	21.298	228	11500587	157.350	ng/u1	100
86) Bis(2-ethylhexyl)phtha...	21.215	149	261145	5.294	ng/u1	97
87) Chrysene	21.362	228	11022835m	161.459	ng/u1	
90) Benzo(b)fluoranthene	23.351	252	15348405	161.561	ng/u1	97
91) Benzo(k)fluoranthene	23.398	252	6078979m	65.210	ng/u1	
93) Benzo(a)pyrene	24.133	252	7106748	79.872	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.597	276	6451722	62.925	ng/u1	98
95) Dibenzo(a,h)anthracene	27.627	278	2262980	27.034	ng/u1#	89
96) Benzo(g,h,i)perylene	28.615	276	814041	9.988	ng/u1	98

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QLast Update : Wed May 29 15:13:07 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

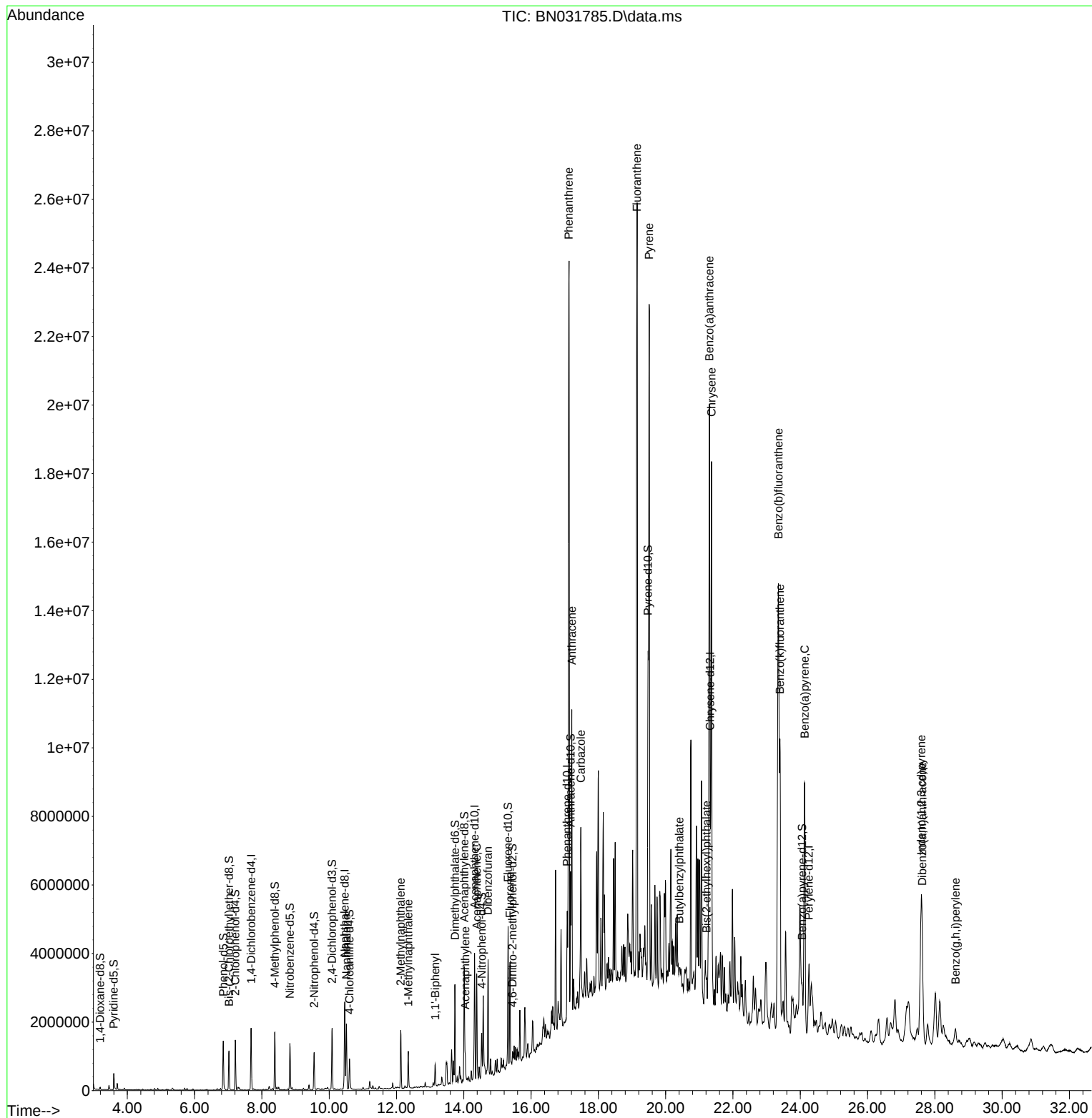
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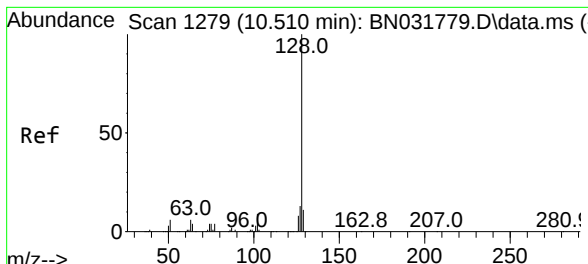
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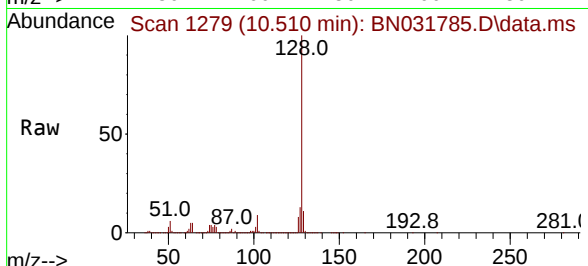
Quant Time: Jun 05 01:24:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
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#30
Naphthalene
Concen: 13.798 ng/ul
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Instrument : BNA_N
ClientSampleId : BH5S9

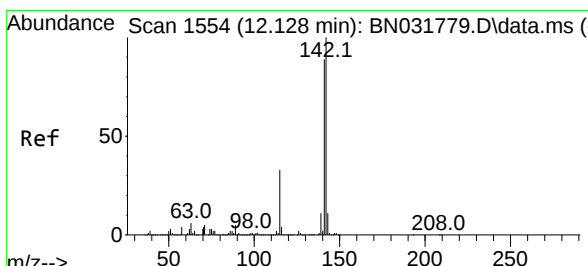
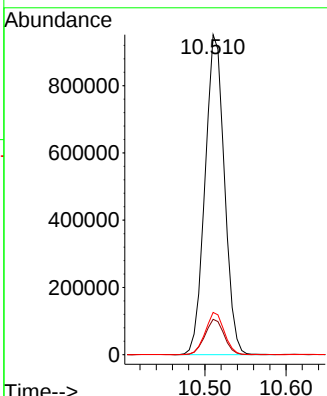
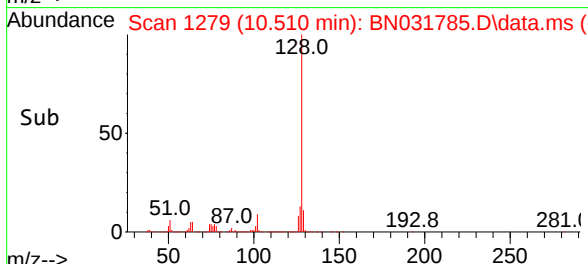


Tgt Ion:128 Resp: 1575039

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	13.2	10.3	15.5

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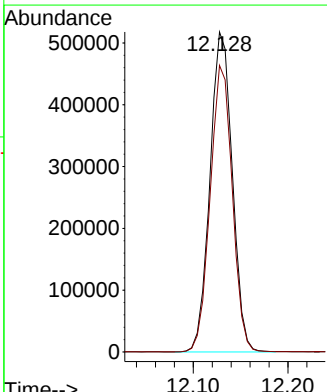
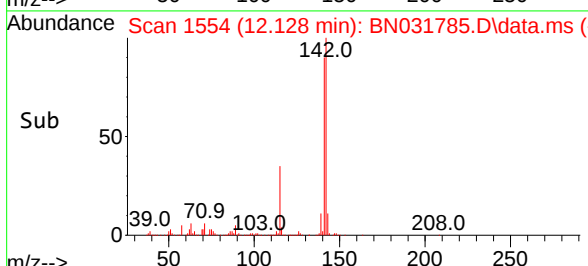
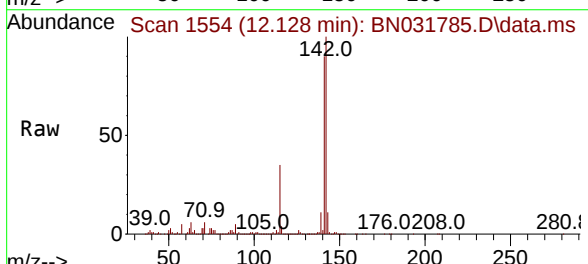
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

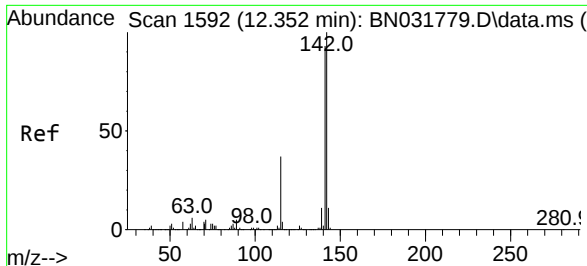


#36
2-Methylnaphthalene
Concen: 10.871 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Tgt Ion:142 Resp: 848202

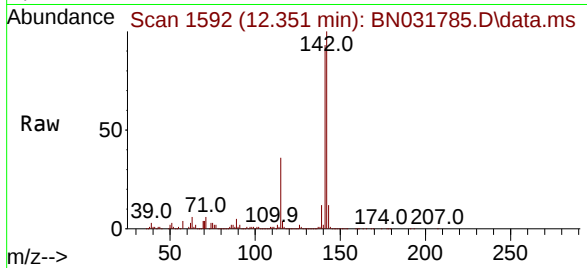
Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.1	105.1





#37
1-Methylnaphthalene
Concen: 6.492 ng/ul
RT: 12.351 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

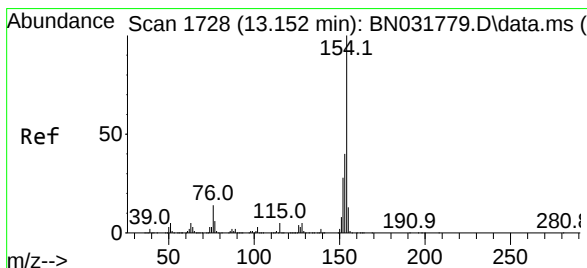
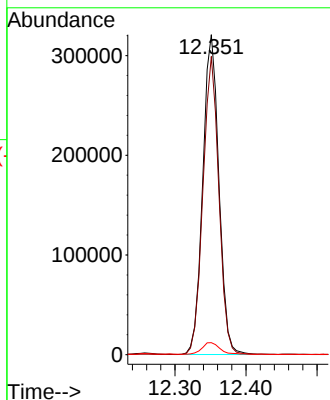
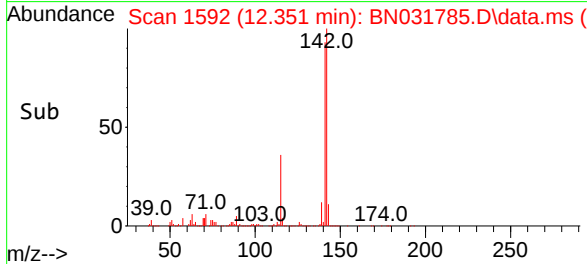
Instrument :
BNA_N
ClientSampleId :
BH5S9



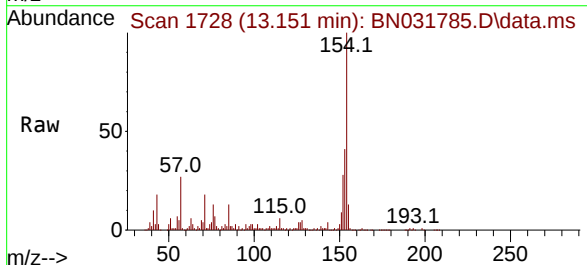
Tgt Ion:142 Resp: 508230
Ion Ratio Lower Upper
142 100
141 93.2 71.7 107.5
116 3.8 3.0 4.4

Manual Integrations
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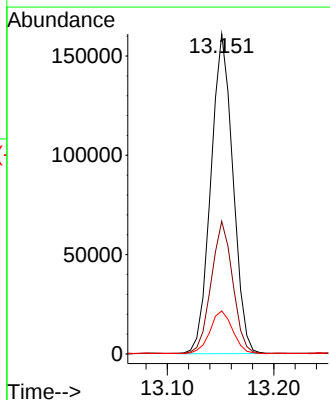
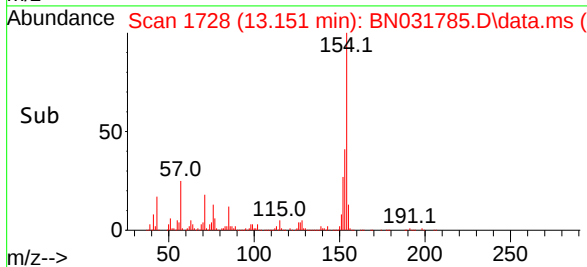
Reviewed By :Jagrut Upadhyay 06/05/2024
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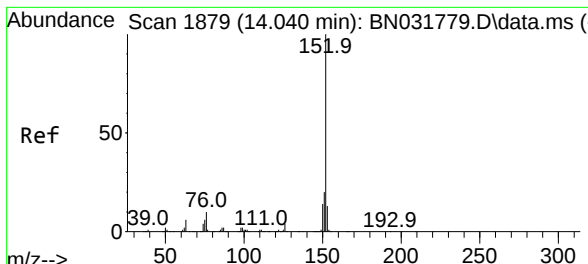


#43
1,1'-Biphenyl
Concen: 2.541 ng/ul
RT: 13.151 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50



Tgt Ion:154 Resp: 231977
Ion Ratio Lower Upper
154 100
153 41.5 30.6 46.0
76 13.5 11.1 16.7





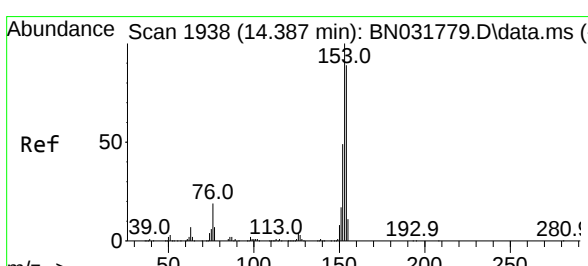
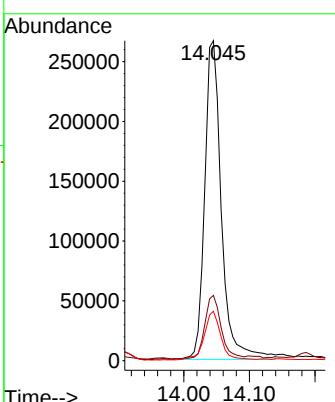
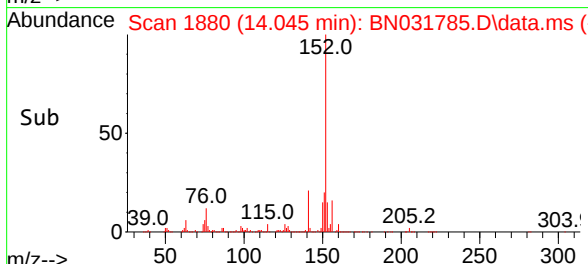
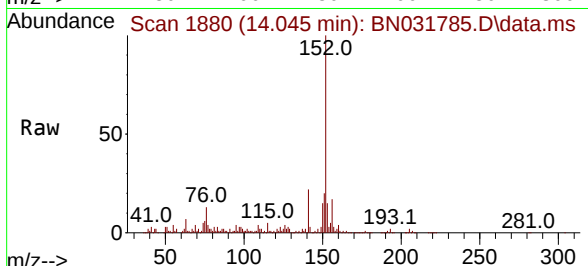
#50
 Acenaphthylene
 Concen: 4.019 ng/ul
 RT: 14.045 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: BN031785.D
 Acq: 04 Jun 2024 20:50

Instrument : BNA_N
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Tgt Ion:152 Resp: 472208

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	15.5	10.4	15.6

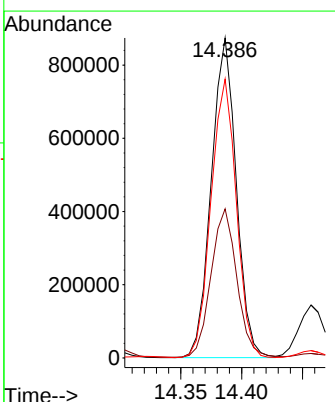
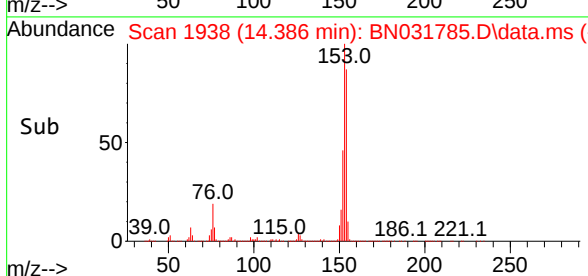
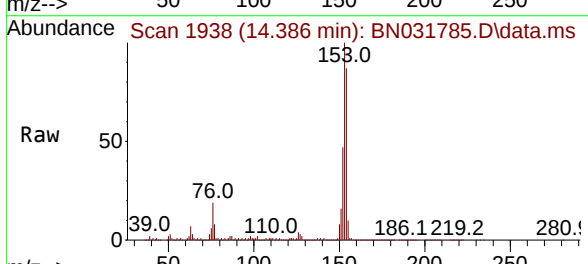
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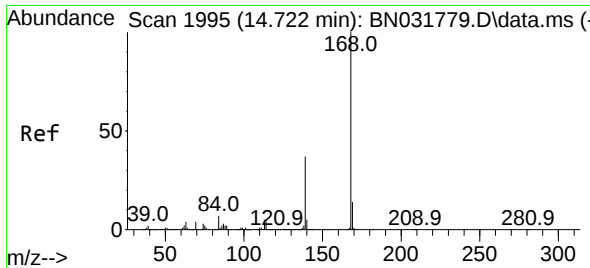


#52
 Acenaphthene
 Concen: 16.030 ng/ul
 RT: 14.386 min Scan# 1938
 Delta R.T. -0.000 min
 Lab File: BN031785.D
 Acq: 04 Jun 2024 20:50

Tgt Ion:153 Resp: 1246132

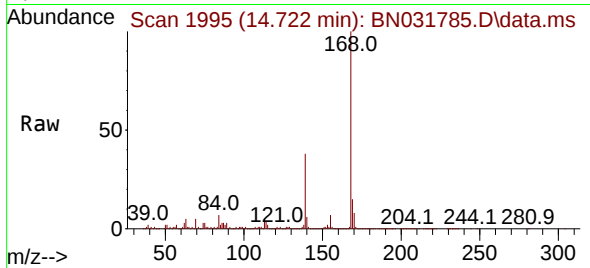
Ion	Ratio	Lower	Upper
153	100		
152	46.6	37.8	56.6
154	87.2	69.8	104.8





#56
Dibenzenofuran
Concen: 18.268 ng/ul
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

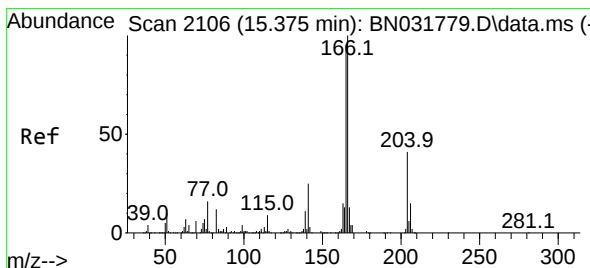
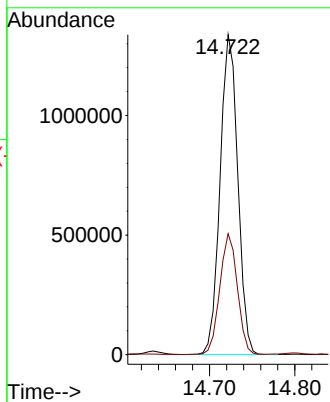
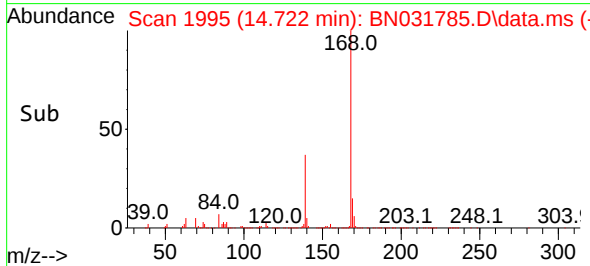
Instrument :
BNA_N
ClientSampleId :
BH5S9



Tgt Ion:168 Resp: 1929440
Ion Ratio Lower Upper
168 100
139 37.8 29.4 44.0

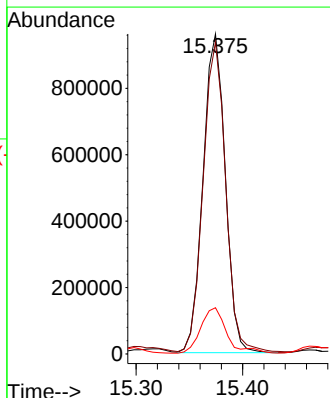
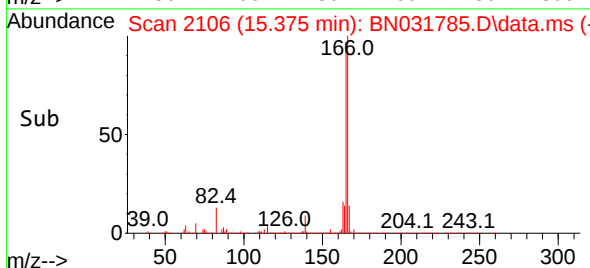
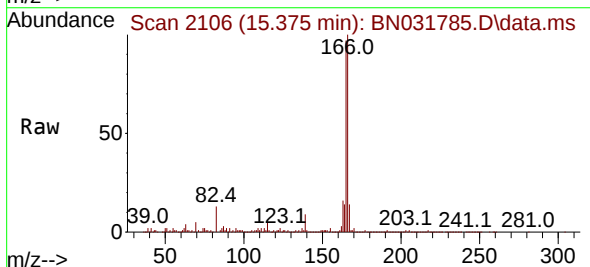
Manual Integrations
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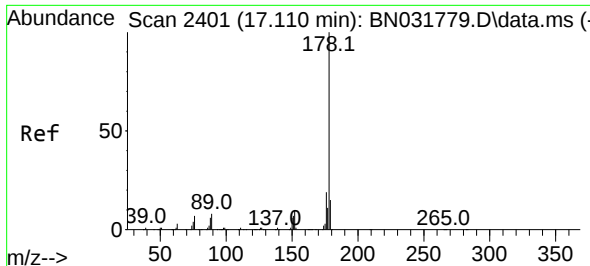
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#61
Fluorene
Concen: 16.395 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

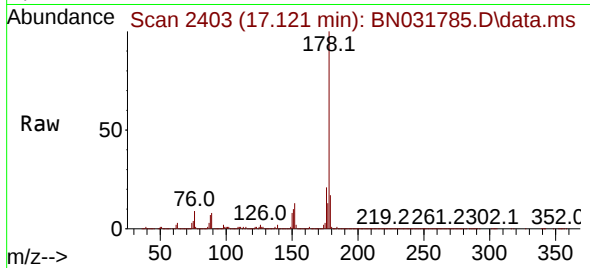
Tgt Ion:166 Resp: 1394429
Ion Ratio Lower Upper
166 100
165 97.4 80.3 120.5
167 14.5 11.3 16.9





#72
Phenanthrene
Concen: 163.896 ng/u1
RT: 17.121 min Scan# 2403
Delta R.T. 0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

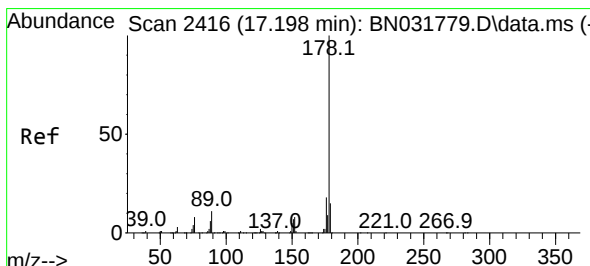
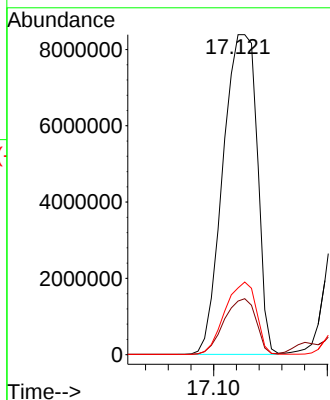
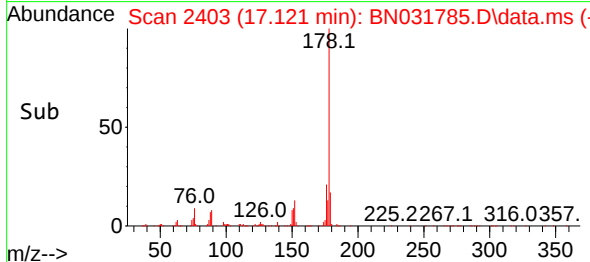
Instrument :
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Tgt Ion:178 Resp:17448938
Ion Ratio Lower Upper
178 100
179 16.8 12.6 19.0
176 20.8 15.8 23.6

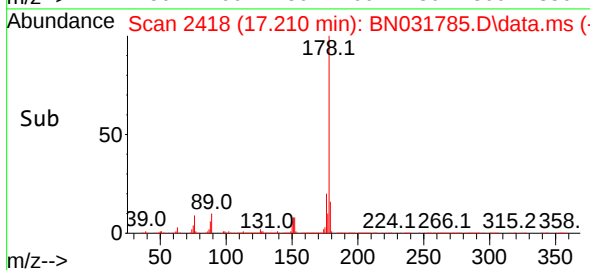
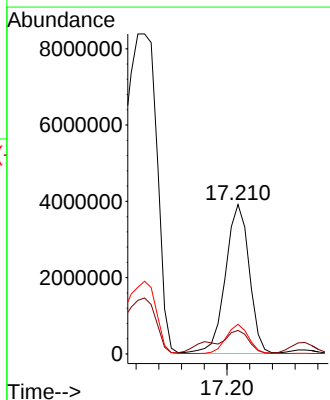
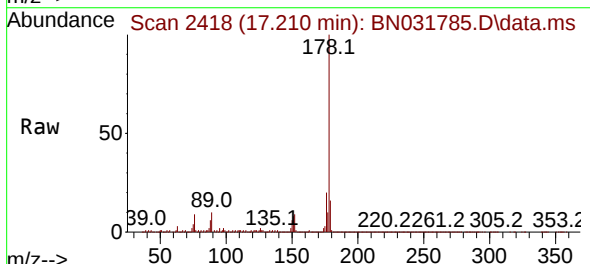
Manual Integrations
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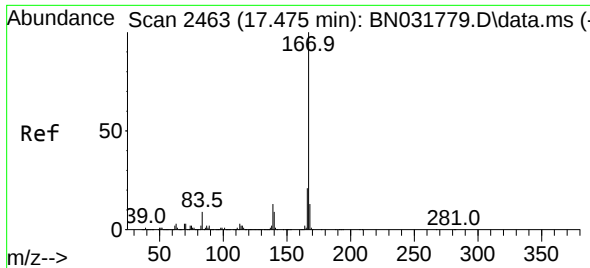
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#74
Anthracene
Concen: 52.796 ng/u1
RT: 17.210 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

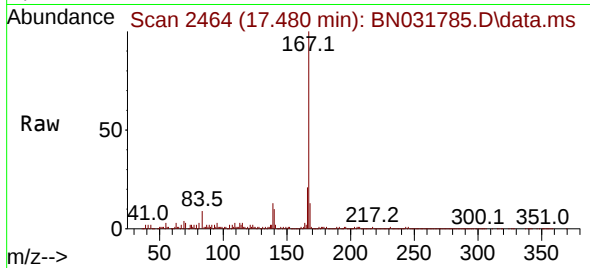
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Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.6
176 19.8 14.8 22.2





#77
 Carbazole
 Concen: 36.533 ng/ul
 RT: 17.480 min Scan# 2463
 Delta R.T. 0.006 min
 Lab File: BN031785.D
 Acq: 04 Jun 2024 20:50

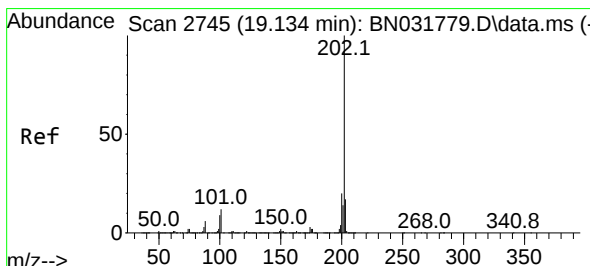
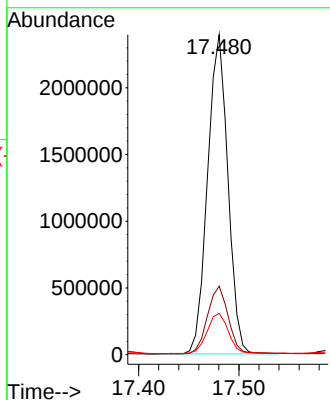
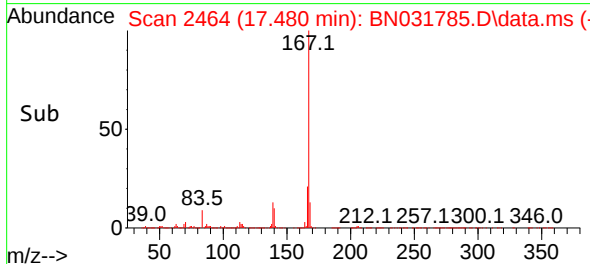
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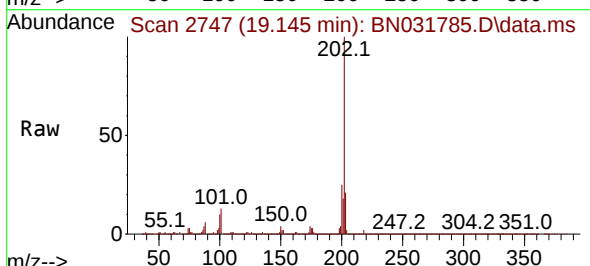
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 Ion Ratio Lower Upper
 167 100
 166 21.4 17.9 26.9
 139 12.9 10.5 15.7

Manual Integrations
 APPROVED

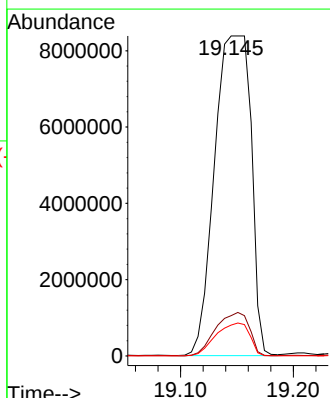
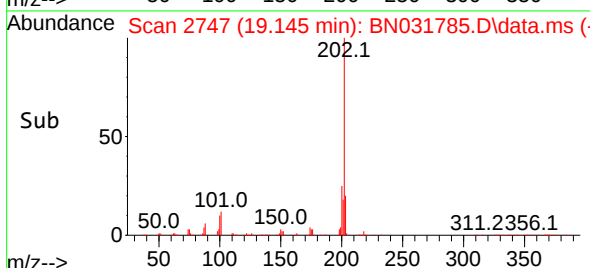
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

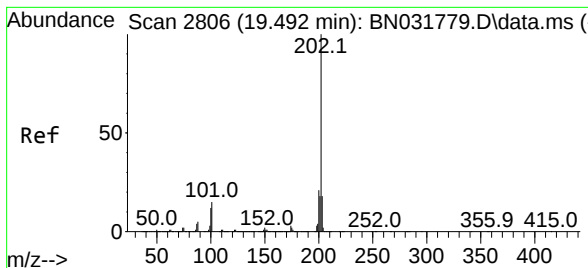


#80
 Fluoranthene
 Concen: 269.565 ng/ul m
 RT: 19.145 min Scan# 2747
 Delta R.T. 0.011 min
 Lab File: BN031785.D
 Acq: 04 Jun 2024 20:50



Tgt Ion:202 Resp:18824491
 Ion Ratio Lower Upper
 202 100
 101 12.6 10.3 15.5
 100 9.7 8.0 12.0





#82

Pyrene

Concen: 224.295 ng/ul

RT: 19.510 min Scan# 2809

Delta R.T. 0.017 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

Instrument :

BNA_N

ClientSampleId :

BH5S9

Tgt Ion:202 Resp:1607036

Ion Ratio Lower Upper

202 100

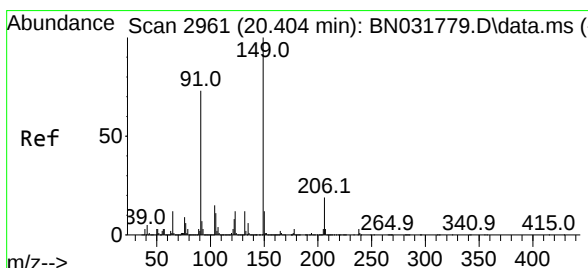
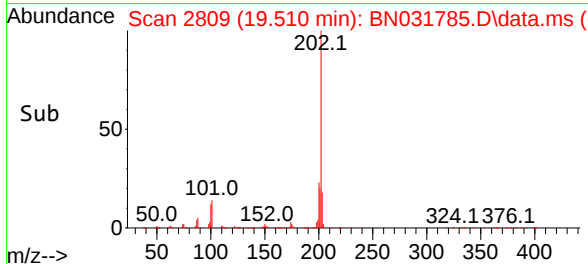
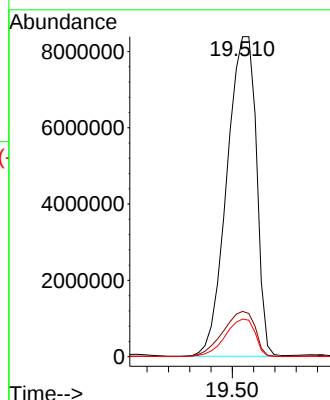
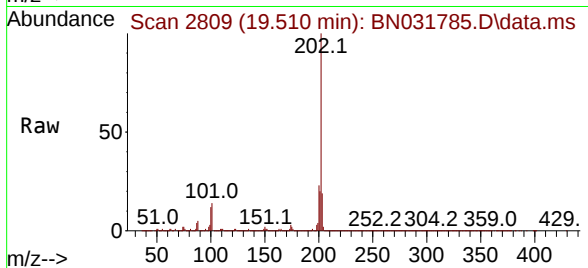
101 14.2 12.6 18.8

100 11.8 10.2 15.2

Manual Integrations

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



#83

Butylbenzylphthalate

Concen: 2.084 ng/ul

RT: 20.410 min Scan# 2962

Delta R.T. 0.006 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

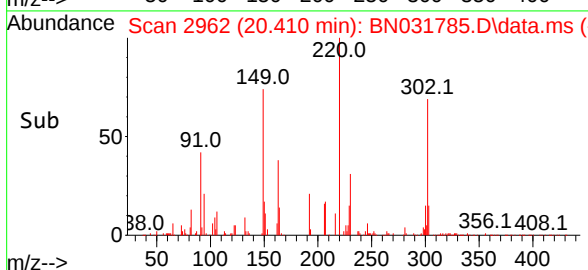
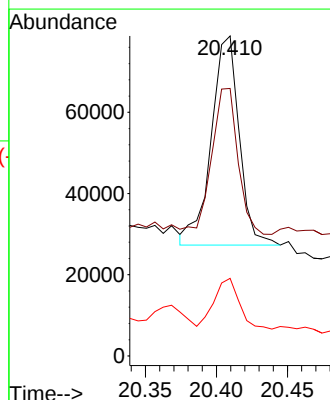
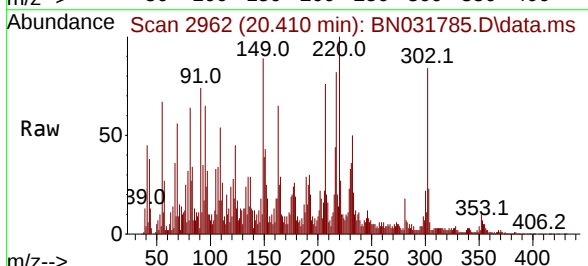
Tgt Ion:149 Resp: 70516

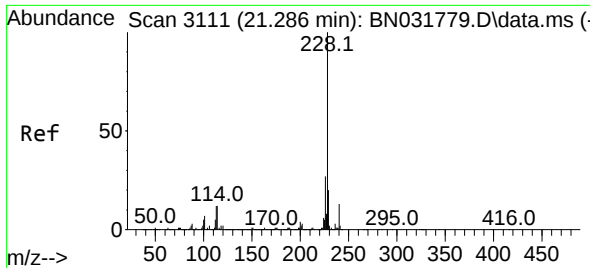
Ion Ratio Lower Upper

149 100

91 83.6 61.0 91.4

206 24.2 16.5 24.7





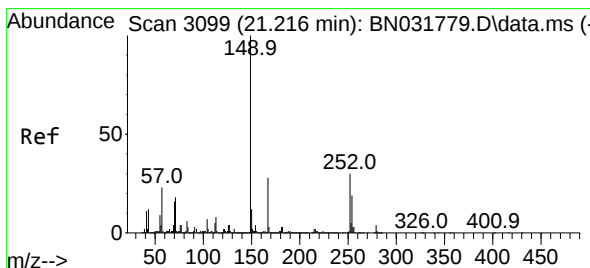
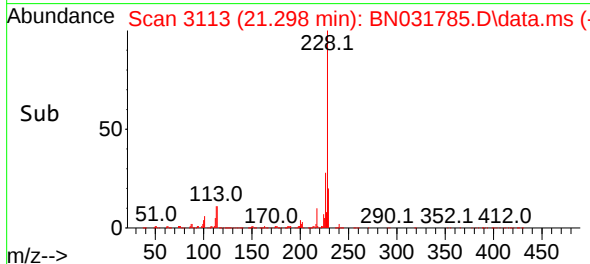
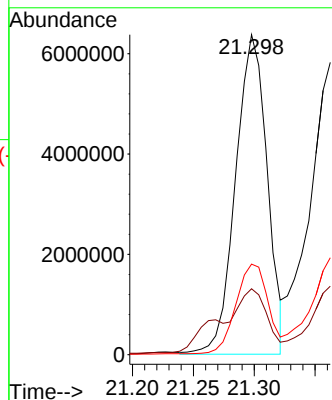
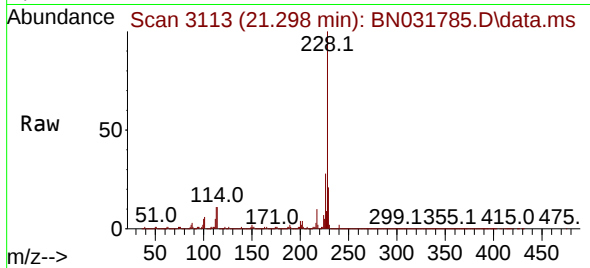
#85
Benzo(a)anthracene
Concen: 157.350 ng/ul
RT: 21.298 min Scan# 3111
Delta R.T. 0.011 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Instrument :
BNA_N
ClientSampleId :
BH5S9

Tgt Ion:228 Resp:1150058
Ion Ratio Lower Upper
228 100
229 20.6 16.7 25.1
226 28.3 22.8 34.2

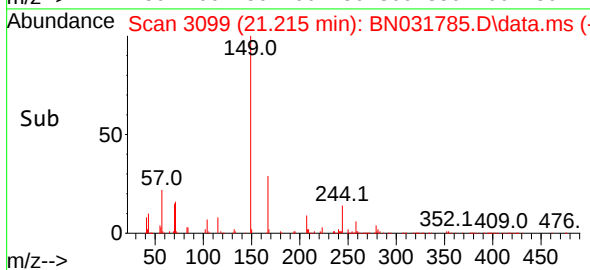
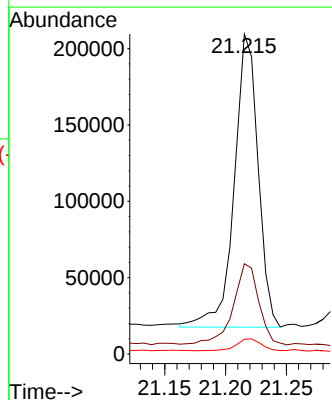
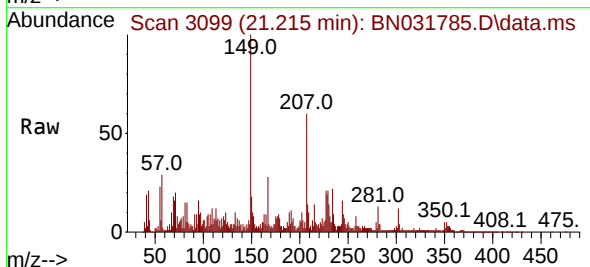
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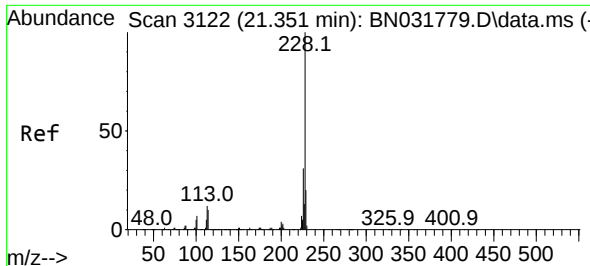
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 5.294 ng/ul
RT: 21.215 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

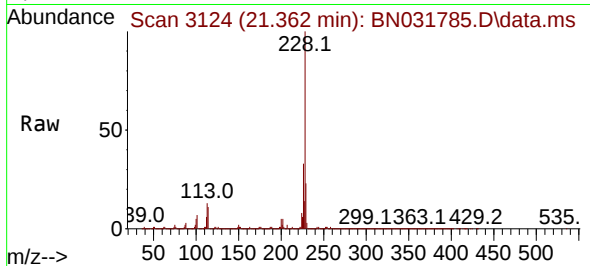
Tgt Ion:149 Resp: 261145
Ion Ratio Lower Upper
149 100
167 28.2 21.4 32.0
279 4.6 3.3 4.9





#87
Chrysene
Concen: 161.459 ng/ul m
RT: 21.362 min Scan# 3124
Delta R.T. 0.011 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

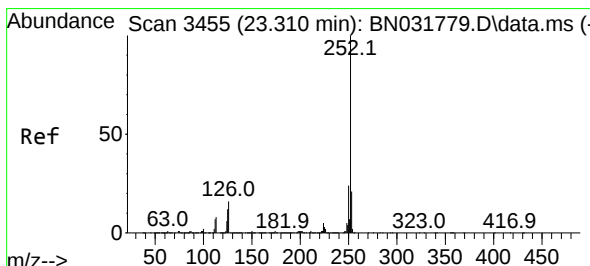
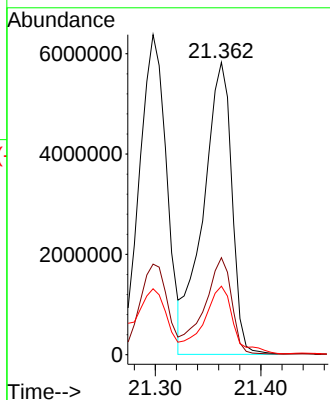
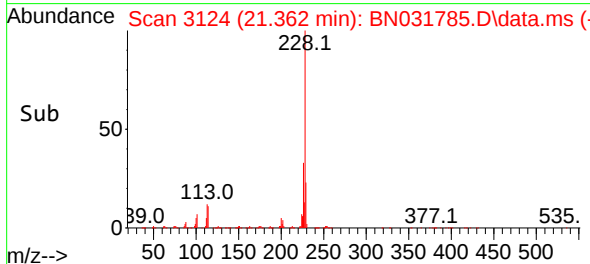
Instrument :
BNA_N
ClientSampleId :
BH5S9



Tgt Ion:228 Resp:11022835
Ion Ratio Lower Upper
228 100
226 33.2 23.7 35.5
229 23.4 15.1 22.7

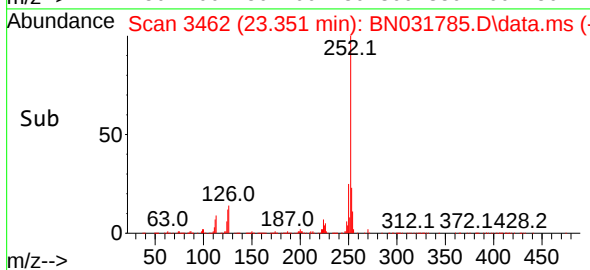
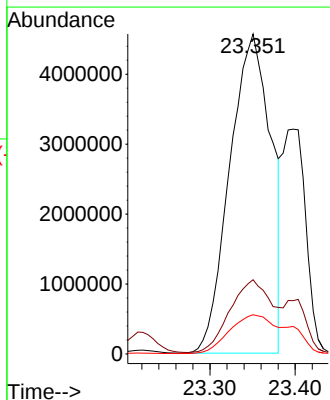
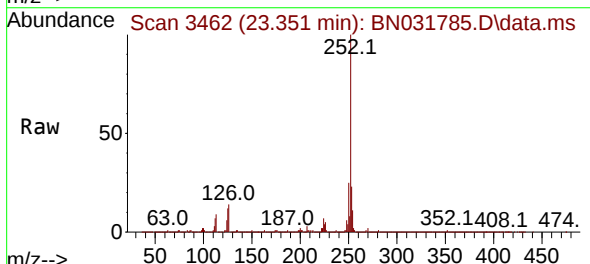
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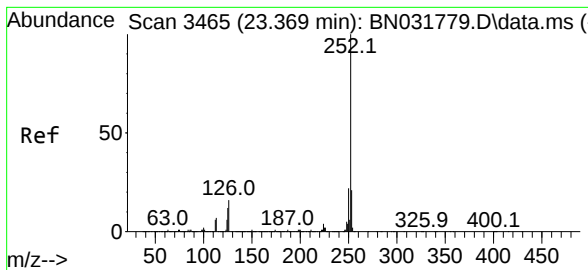
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#90
Benzo(b)fluoranthene
Concen: 161.561 ng/ul
RT: 23.351 min Scan# 3462
Delta R.T. 0.041 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Tgt Ion:252 Resp:15348405
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 12.3 9.2 13.8





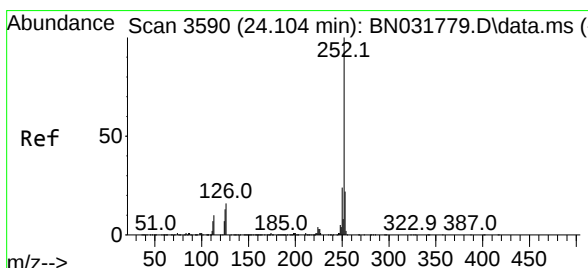
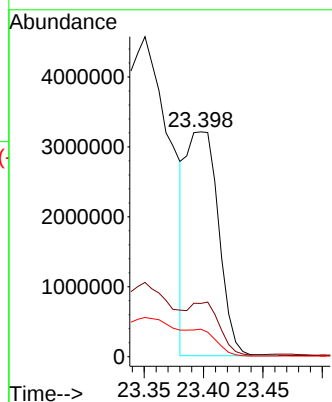
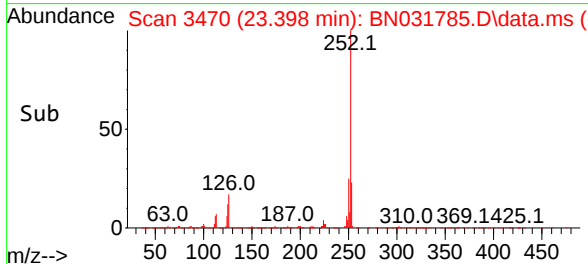
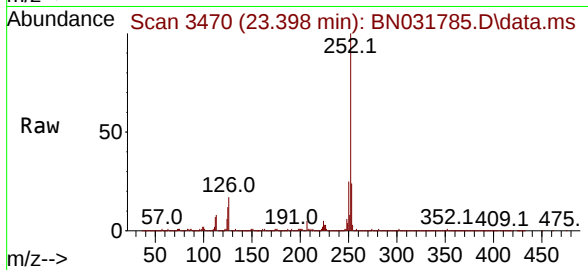
#91
Benzo(k)fluoranthene
Concen: 65.210 ng/ul m
RT: 23.398 min Scan# 3465
Delta R.T. 0.023 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Instrument :
BNA_N
ClientSampleId :
BH5S9

Tgt Ion:252 Resp: 6078979
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.2 9.4 14.2

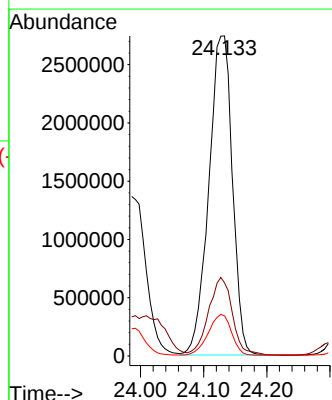
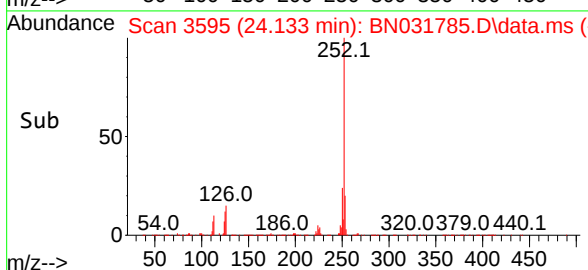
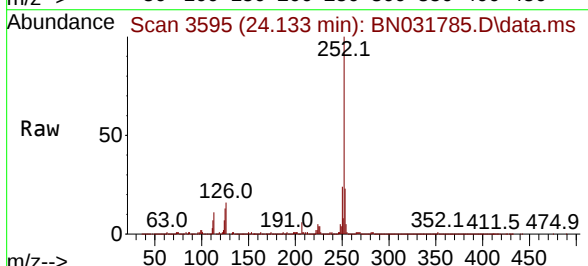
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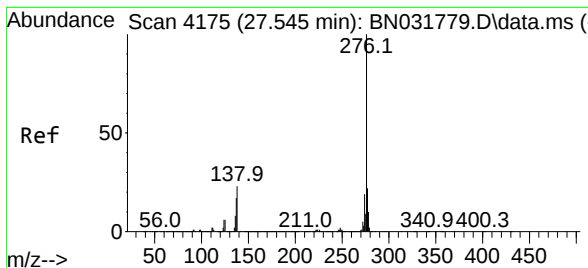
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#93
Benzo(a)pyrene
Concen: 79.872 ng/ul
RT: 24.133 min Scan# 3595
Delta R.T. 0.029 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

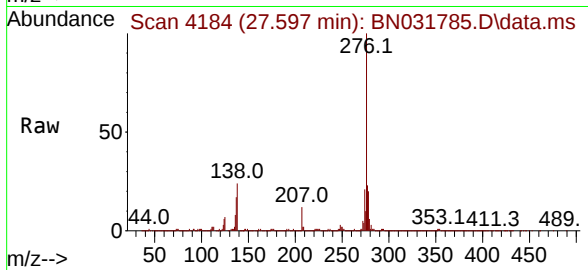
Tgt Ion:252 Resp: 7106748
Ion Ratio Lower Upper
252 100
253 22.8 16.6 24.8
125 12.6 9.8 14.8





#94
Indeno(1,2,3-cd)pyrene
Concen: 62.925 ng/ul
RT: 27.597 min Scan# 4175
Delta R.T. 0.064 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

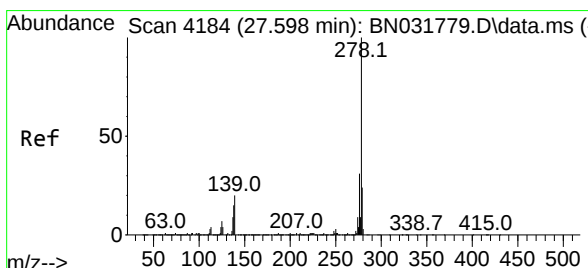
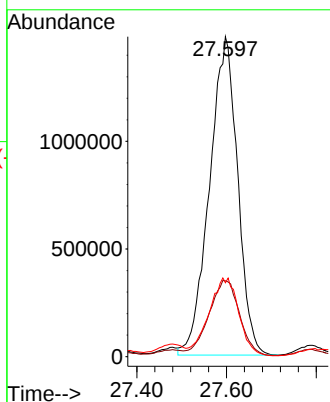
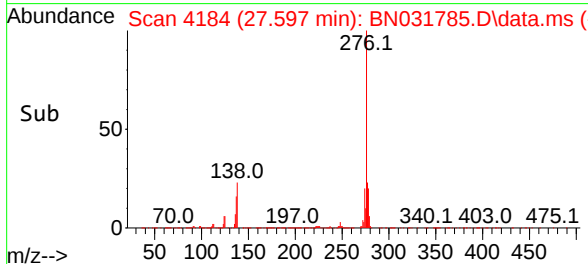
Instrument :
BNA_N
ClientSampleId :
BH5S9



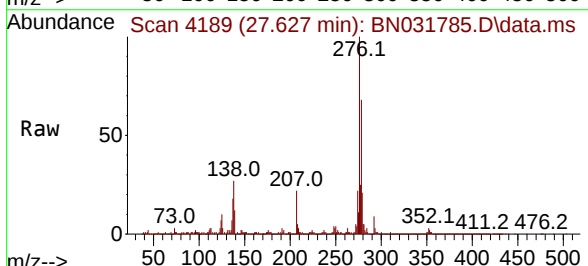
Tgt Ion:276 Resp: 645172
Ion Ratio Lower Upper
276 100
138 23.7 18.1 27.1
277 23.1 18.2 27.2

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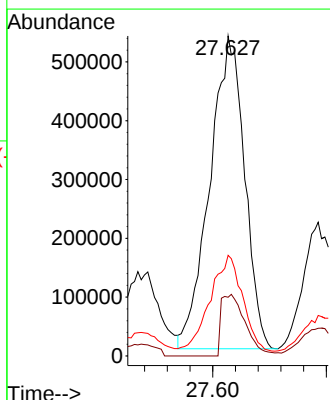
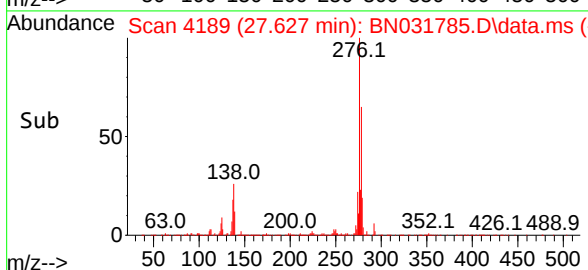
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

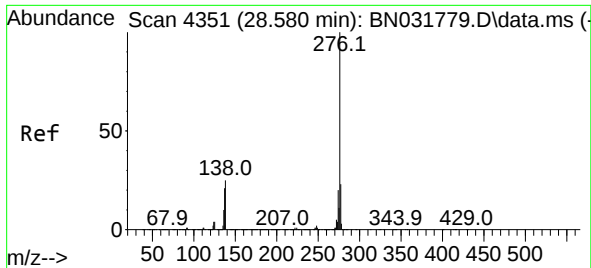


#95
Dibenzo(a,h)anthracene
Concen: 27.034 ng/ul
RT: 27.627 min Scan# 4189
Delta R.T. 0.023 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50



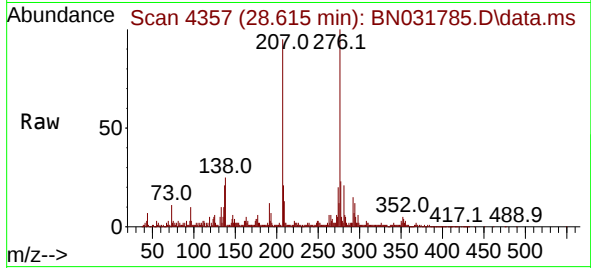
Tgt Ion:278 Resp: 2262980
Ion Ratio Lower Upper
278 100
139 18.4 15.0 22.6
279 31.4 17.4 26.0#





#96
Benzo(g,h,i)perylene
Concen: 9.988 ng/ul
RT: 28.615 min Scan# 41
Delta R.T. 0.047 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Instrument :
BNA_N
ClientSampleId :
BH5S9



Tgt Ion:276 Resp: 81404
Ion Ratio Lower Upper
276 100
138 25.1 20.9 31.3
277 23.2 18.0 27.0

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

