

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031791.D
 Acq On : 05 Jun 2024 00:47
 Operator : MA/JU
 Sample : P2591-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ7

Quant Time: Jun 05 02:12:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	483994	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2103899	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1229581	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2113606	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1168967	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1517396	20.000	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	52315	4.472	ng/uL	0.00
4) Pyridine-d5	3.599	84	392207	11.909	ng/u1	0.00
7) Phenol-d5	6.852	99	1212574	29.224	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.017	67	659851	27.188	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.211	132	965160	30.486	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	948564	28.046	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	485301	30.168	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	527816	31.764	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	891200	28.728	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	830986	18.041	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2531434	29.552	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2947296	29.923	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	384291	22.406	ng/u1	0.00
60) Fluorene-d10	15.316	176	2099123	28.962	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	125531	11.816	ng/u1	0.01
73) Anthracene-d10	17.175	188	2816959	31.131	ng/u1	0.00
81) Pyrene-d10	19.469	212	2071255	33.111	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	1547445	21.357	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.510	128	954141	8.763	ng/u1	99
36) 2-Methylnaphthalene	12.128	142	311363	4.184	ng/u1	98
37) 1-Methylnaphthalene	12.352	142	270698	3.625	ng/u1	100
43) 1,1'-Biphenyl	13.152	154	122888	1.421	ng/u1	98
50) Acenaphthylene	14.046	152	240715	2.162	ng/u1	97
52) Acenaphthene	14.387	153	991545	13.462	ng/u1	99
56) Dibenzofuran	14.722	168	1385488	13.846	ng/u1	97
61) Fluorene	15.375	166	1042386	12.936	ng/u1	99
72) Phenanthrene	17.122	178	16150104	149.997	ng/u1	97
74) Anthracene	17.204	178	4294867	39.367	ng/u1	98
77) Carbazole	17.481	167	2505445	26.932	ng/u1	99
78) Di-n-butylphthalate	18.045	149	146275	1.143	ng/u1#	96
80) Fluoranthene	19.139	202	16924257	226.387	ng/u1	100
82) Pyrene	19.504	202	12723913	165.888	ng/u1	98
83) Butylbenzylphthalate	20.404	149	95461	2.635	ng/u1	93
85) Benzo(a)anthracene	21.292	228	8699452	111.183	ng/u1	100
86) Bis(2-ethylhexyl)phtha...	21.216	149	763229	14.453	ng/u1	98
87) Chrysene	21.357	228	8310928	113.715	ng/u1	96
90) Benzo(b)fluoranthene	23.339	252	10476011	115.504	ng/u1	96
91) Benzo(k)fluoranthene	23.386	252	4242928	47.674	ng/u1	98
93) Benzo(a)pyrene	24.116	252	4400257	51.800	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	27.586	276	3837172	39.200	ng/u1	98
95) Dibenzo(a,h)anthracene	27.610	278	1429763	17.891	ng/u1	94
96) Benzo(g,h,i)perylene	28.610	276	499825m	6.423	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

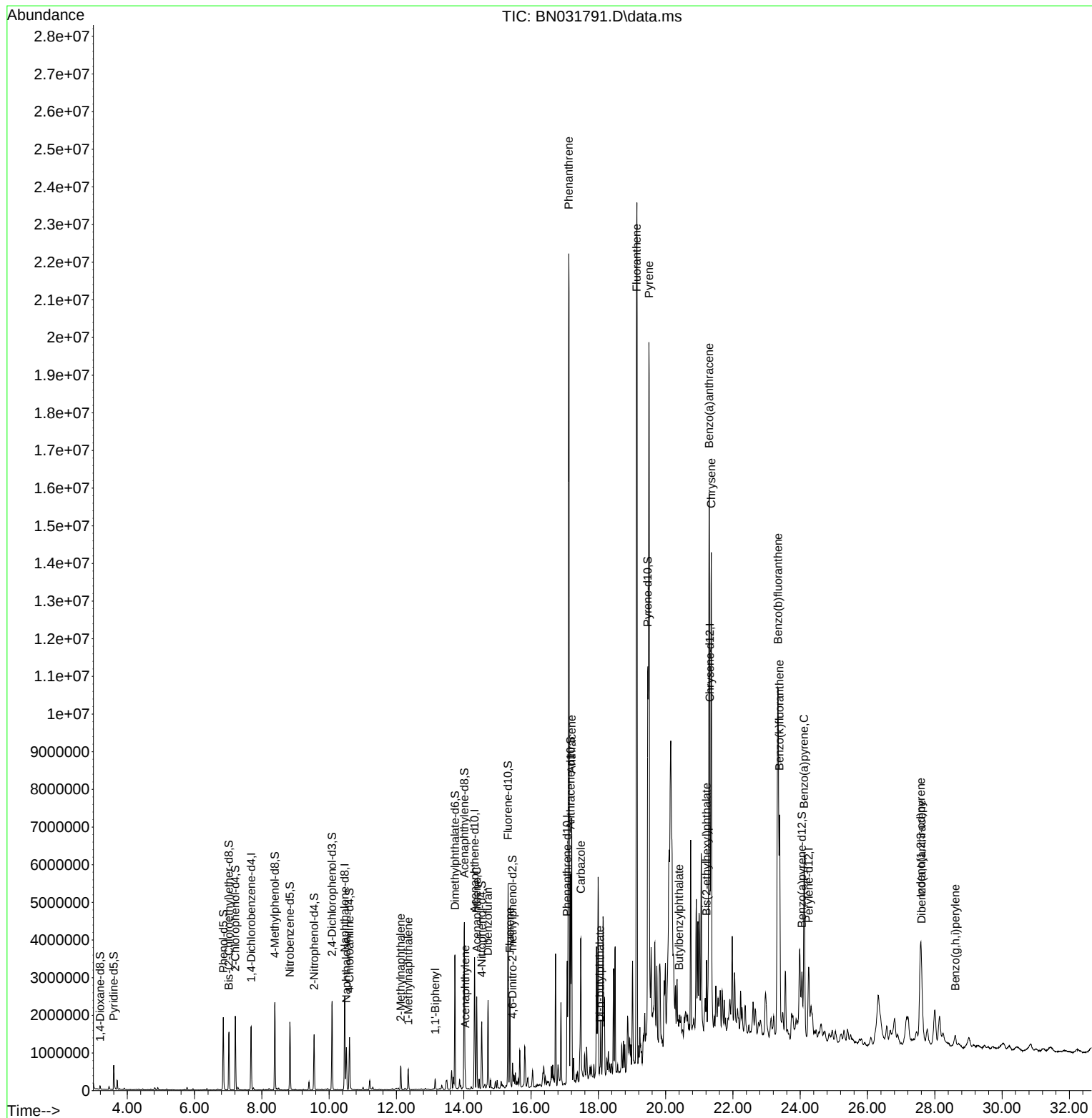
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
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 Operator : MA/JU
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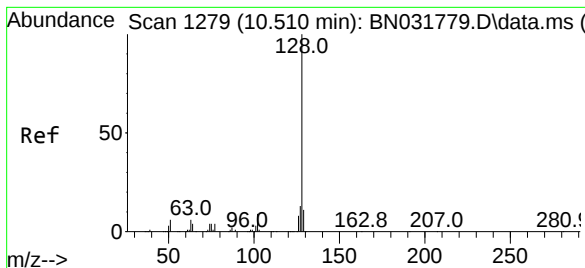
Instrument :
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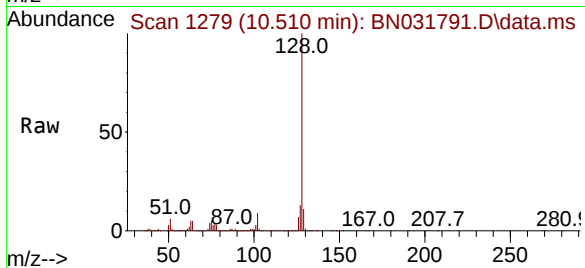
Quant Time: Jun 05 02:12:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
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#30
Naphthalene
Concen: 8.763 ng/ul
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

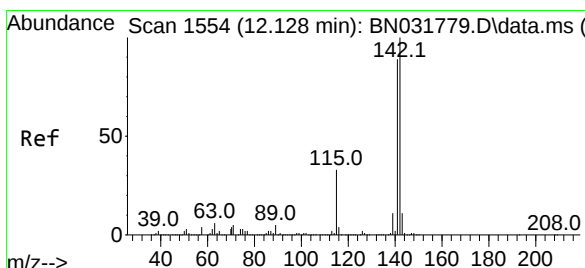
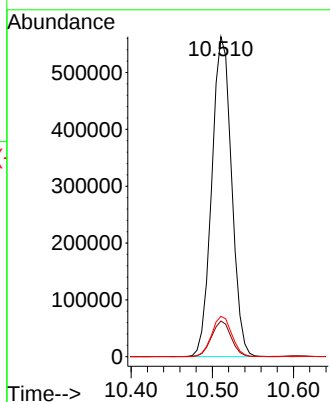
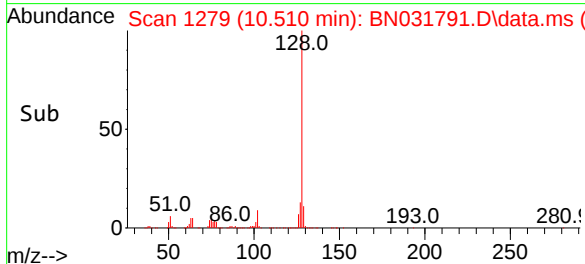
Instrument :
BNA_N
ClientSampleId :
BHBQ7



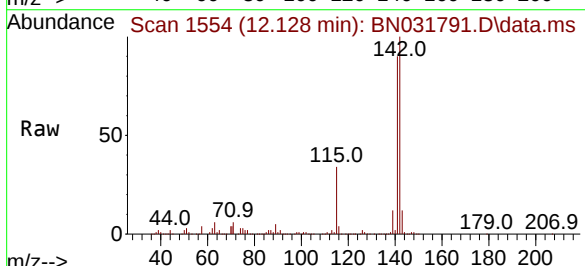
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Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 12.6 10.3 15.5

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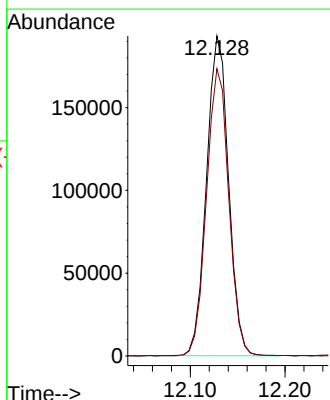
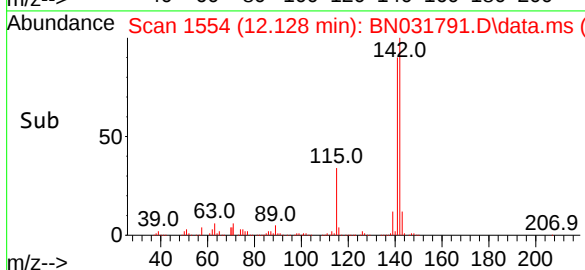
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

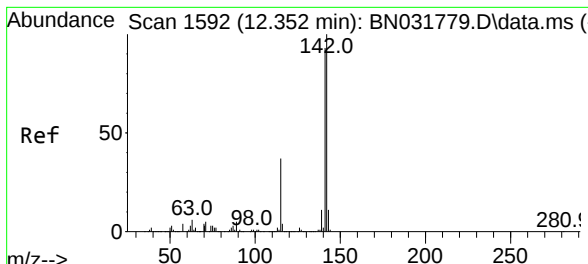


#36
2-Methylnaphthalene
Concen: 4.184 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47



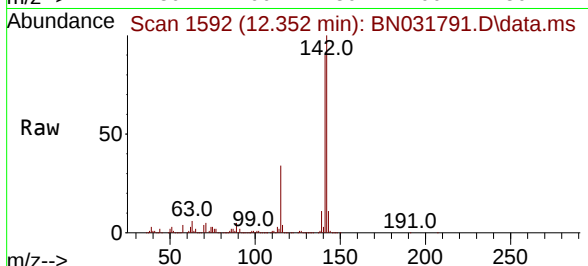
Tgt Ion:142 Resp: 311363
Ion Ratio Lower Upper
142 100
141 89.8 70.1 105.1





#37
1-Methylnaphthalene
Concen: 3.625 ng/ul
RT: 12.352 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

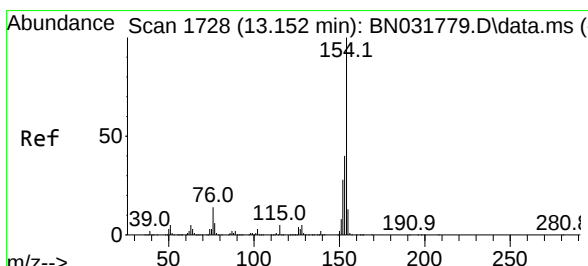
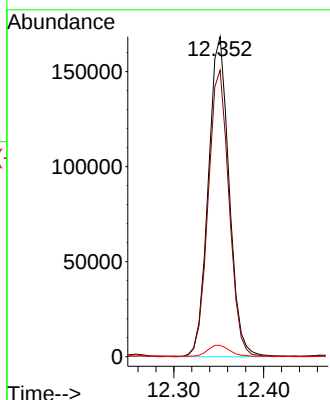
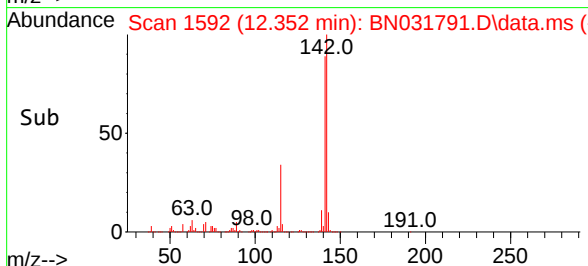
Instrument : BNA_N
ClientSampleId : BHBQ7



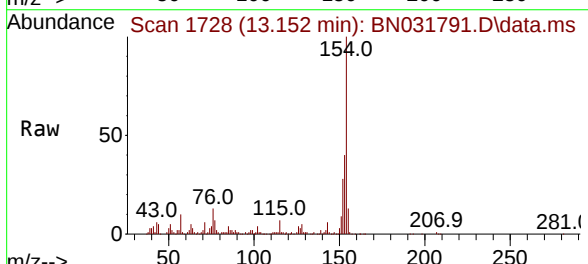
Tgt Ion:142 Resp: 270698
Ion Ratio Lower Upper
142 100
141 89.5 71.7 107.5
116 3.6 3.0 4.4

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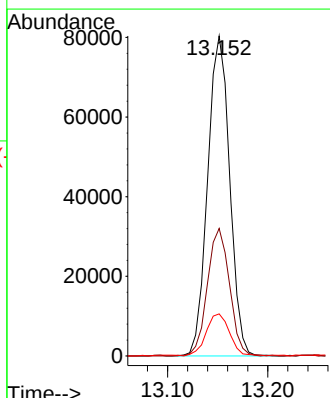
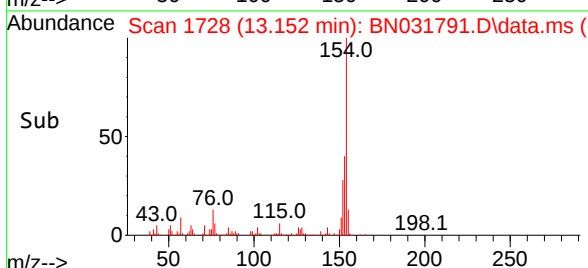
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

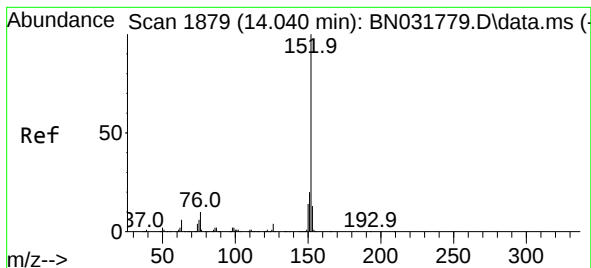


#43
1,1'-Biphenyl
Concen: 1.421 ng/ul
RT: 13.152 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47



Tgt Ion:154 Resp: 122888
Ion Ratio Lower Upper
154 100
153 39.9 30.6 46.0
76 13.2 11.1 16.7





#50

Acenaphthylene

Concen: 2.162 ng/ul

RT: 14.046 min Scan# 1880

Delta R.T. 0.000 min

Lab File: BN031791.D

Acq: 05 Jun 2024 00:47

Instrument :

BNA_N

ClientSampleId :

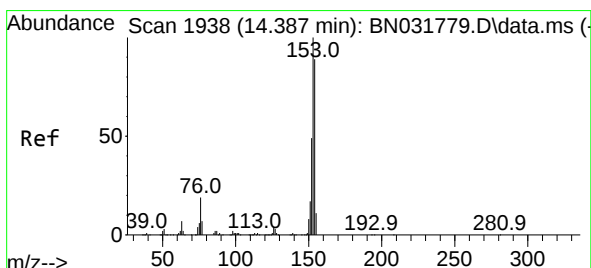
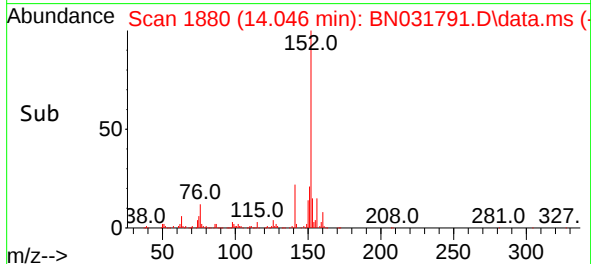
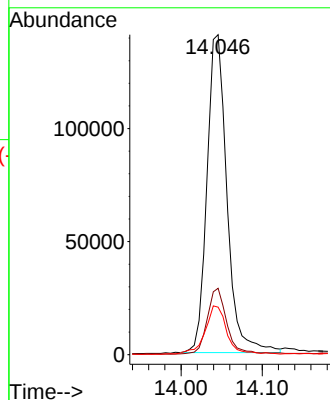
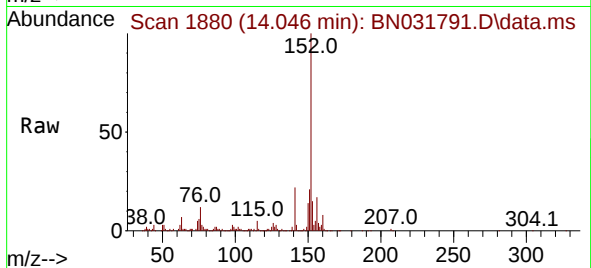
BHBQ7

Tgt Ion:	152	Resp:	24071
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.9	23.9
153	14.8	10.4	15.6

Manual Integrations

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



#52

Acenaphthene

Concen: 13.462 ng/ul

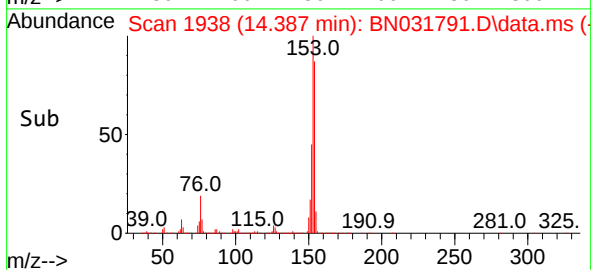
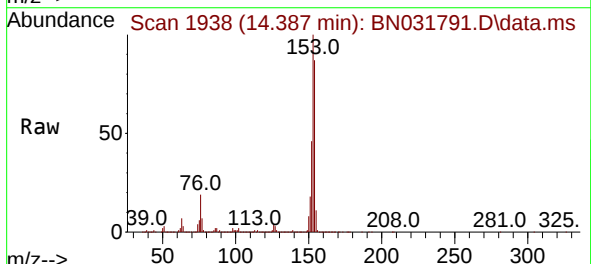
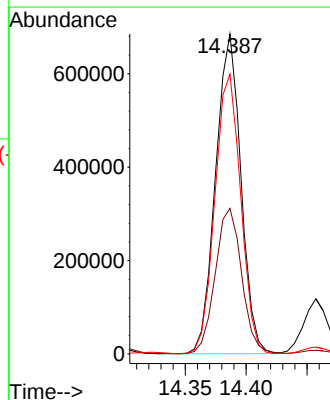
RT: 14.387 min Scan# 1938

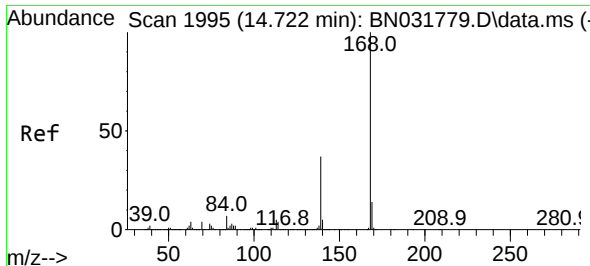
Delta R.T. 0.000 min

Lab File: BN031791.D

Acq: 05 Jun 2024 00:47

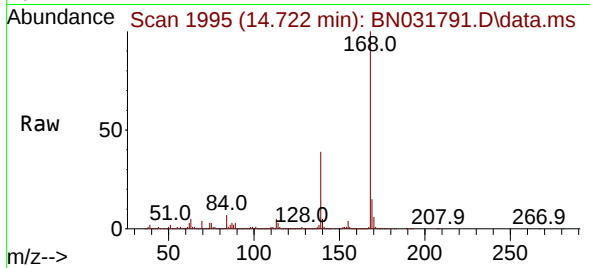
Tgt Ion:	153	Resp:	991545
Ion Ratio	Lower	Upper	
153	100		
152	45.5	37.8	56.6
154	87.4	69.8	104.8





#56
Dibenzenofuran
Concen: 13.846 ng/ul
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

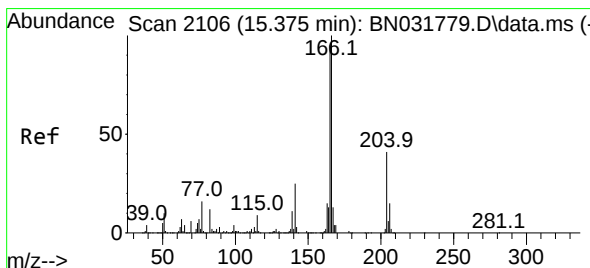
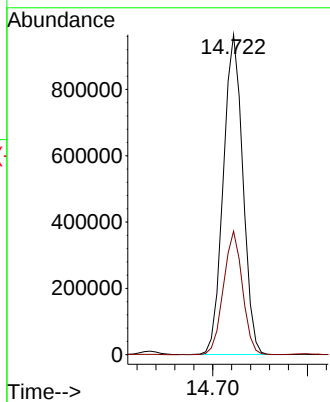
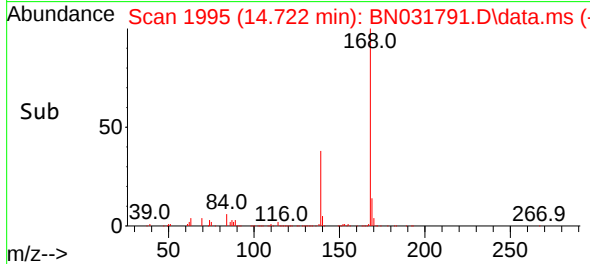
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:168 Resp: 1385488
Ion Ratio Lower Upper
168 100
139 38.6 29.4 44.0

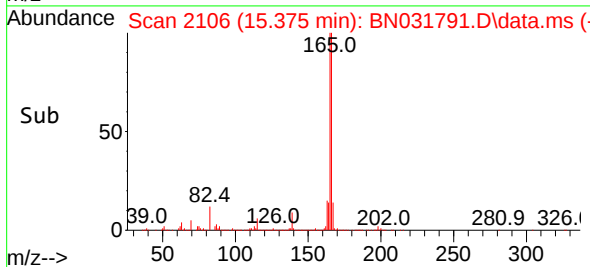
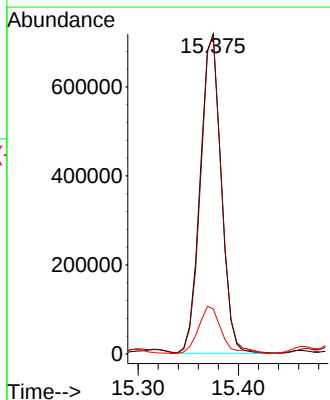
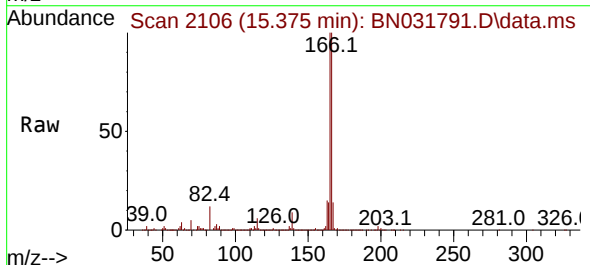
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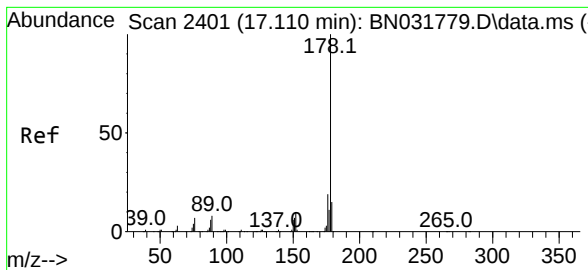
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#61
Fluorene
Concen: 12.936 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

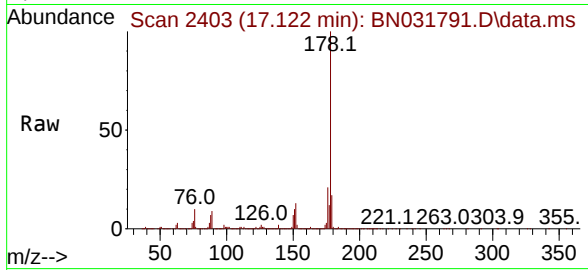
Tgt Ion:166 Resp: 1042386
Ion Ratio Lower Upper
166 100
165 99.6 80.3 120.5
167 14.0 11.3 16.9





#72
Phenanthrene
Concen: 149.997 ng/ul
RT: 17.122 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

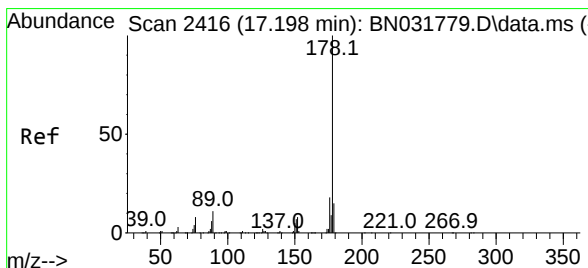
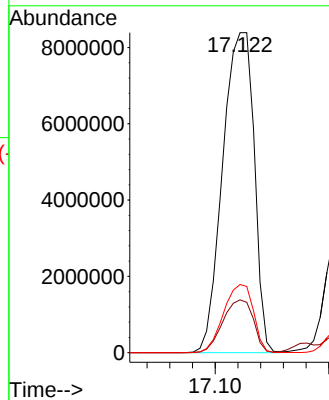
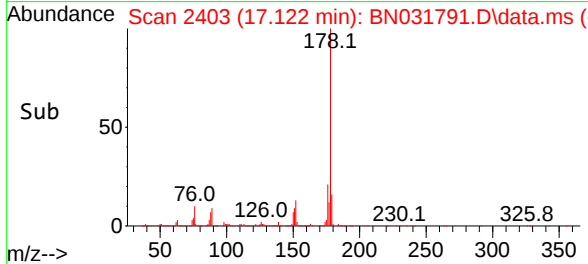
Instrument :
BNA_N
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Tgt Ion:178 Resp:16150104
Ion Ratio Lower Upper
178 100
179 16.5 12.6 19.0
176 21.3 15.8 23.6

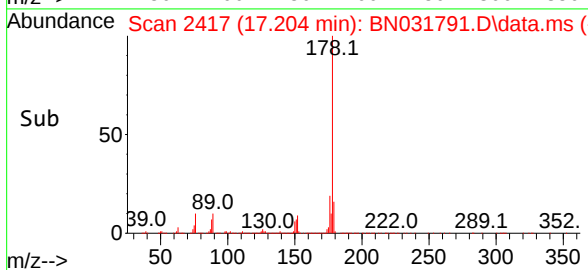
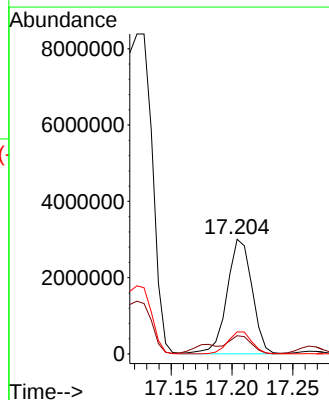
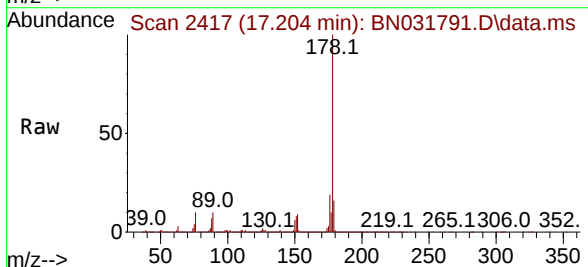
Manual Integrations
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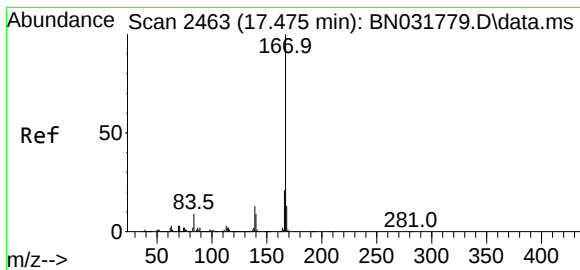
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#74
Anthracene
Concen: 39.367 ng/ul
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

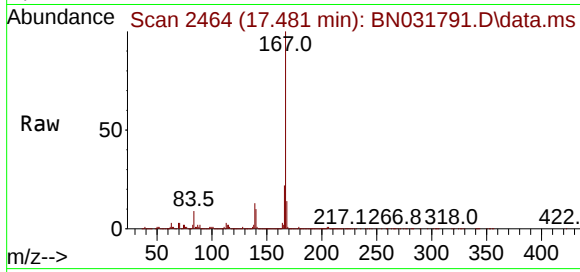
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Ion Ratio Lower Upper
178 100
179 15.9 11.8 17.6
176 19.2 14.8 22.2





#77
Carbazole
Concen: 26.932 ng/ul
RT: 17.481 min Scan# 2464
Delta R.T. 0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

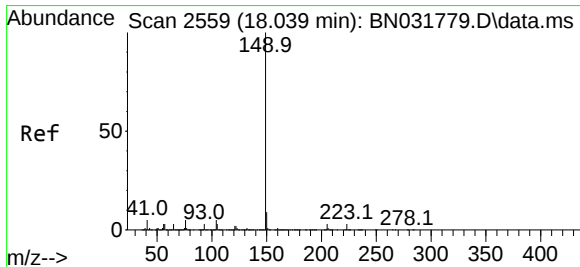
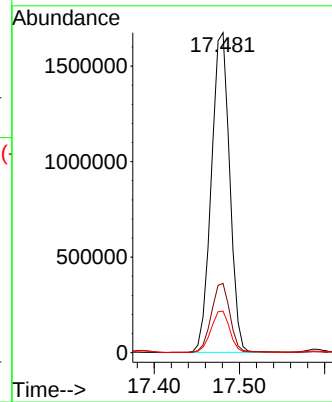
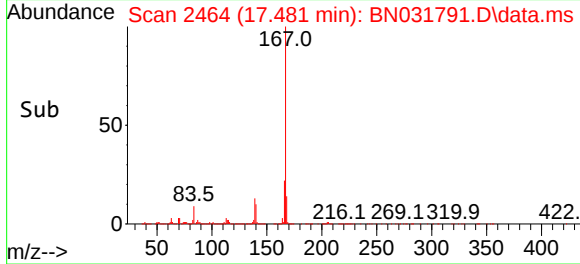
Instrument :
BNA_N
ClientSampleId :
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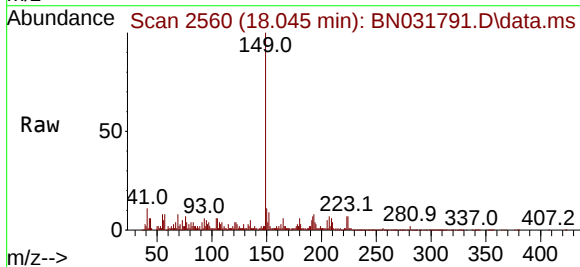
Tgt Ion:167 Resp: 250544
Ion Ratio Lower Upper
167 100
166 21.6 17.9 26.9
139 13.0 10.5 15.7

Manual Integrations
APPROVED

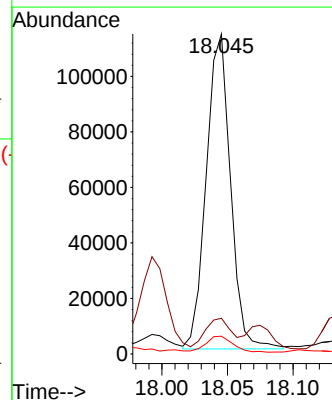
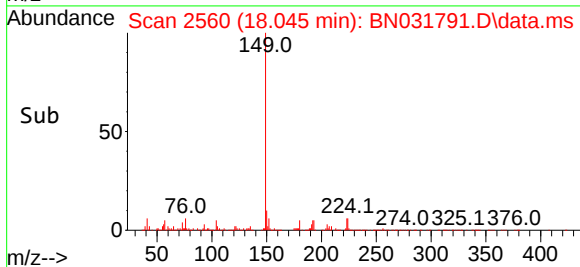
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

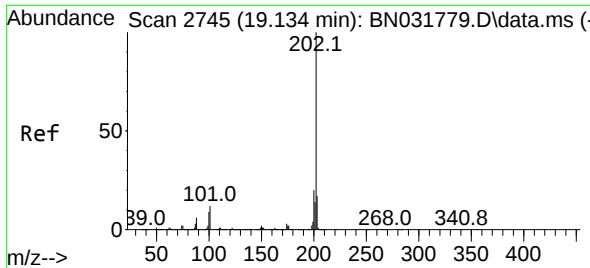


#78
Di-n-butylphthalate
Concen: 1.143 ng/ul
RT: 18.045 min Scan# 2560
Delta R.T. 0.000 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47



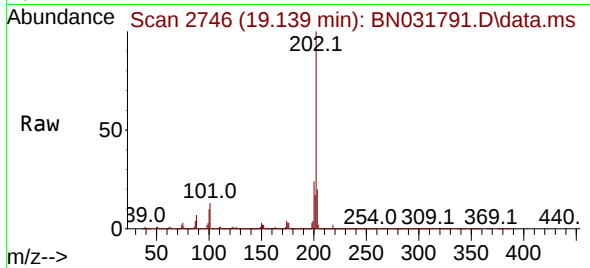
Tgt Ion:149 Resp: 146275
Ion Ratio Lower Upper
149 100
150 11.2 7.4 11.0#
104 5.5 4.1 6.1





#80
Fluoranthene
Concen: 226.387 ng/u1
RT: 19.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

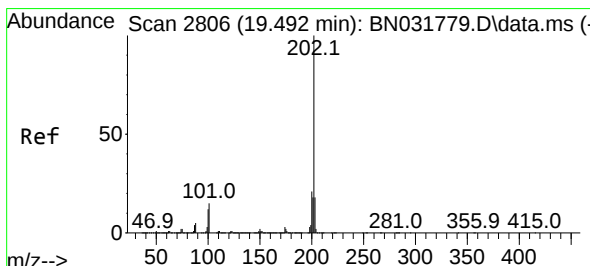
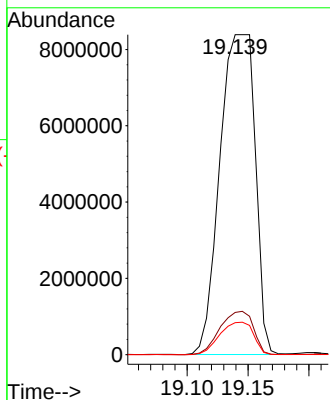
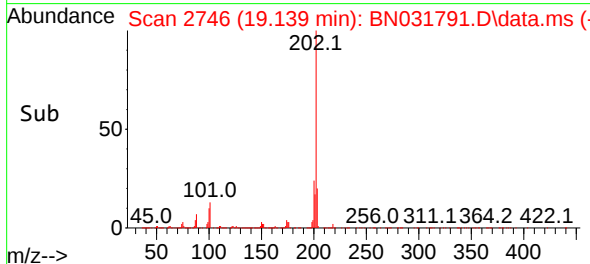
Instrument :
BNA_N
ClientSampleId :
BHBQ7



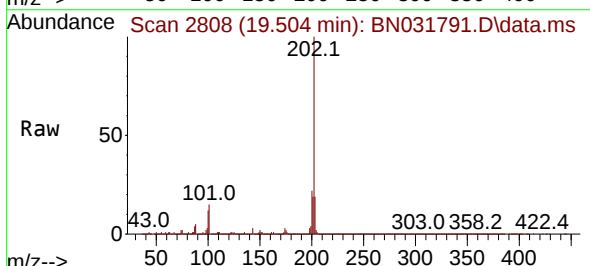
Tgt Ion:202 Resp:1692425
Ion Ratio Lower Upper
202 100
101 13.2 10.3 15.5
100 10.0 8.0 12.0

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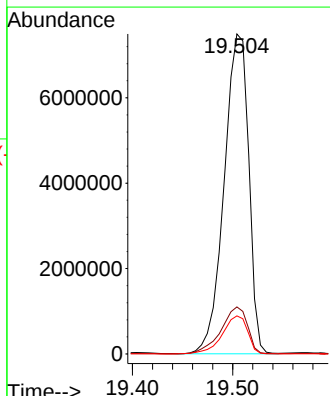
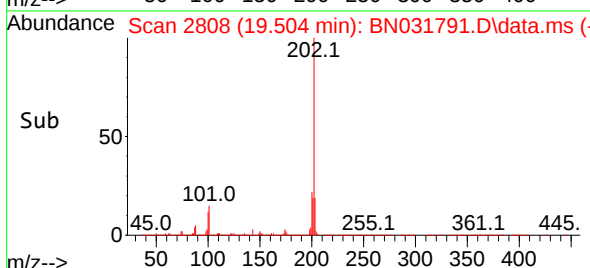
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

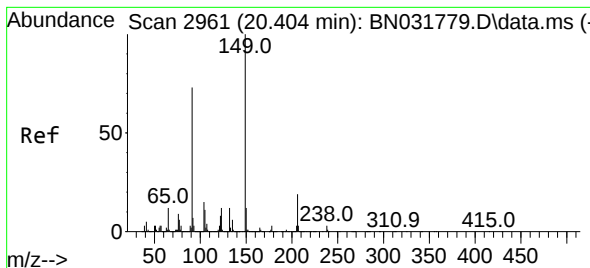


#82
Pyrene
Concen: 165.888 ng/u1
RT: 19.504 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47



Tgt Ion:202 Resp:12723913
Ion Ratio Lower Upper
202 100
101 14.7 12.6 18.8
100 11.9 10.2 15.2





#83

Butylbenzylphthalate

Concen: 2.635 ng/ul

RT: 20.404 min Scan# 2961

Delta R.T. 0.000 min

Lab File: BN031791.D

Acq: 05 Jun 2024 00:47

Instrument :

BNA_N

ClientSampleId :

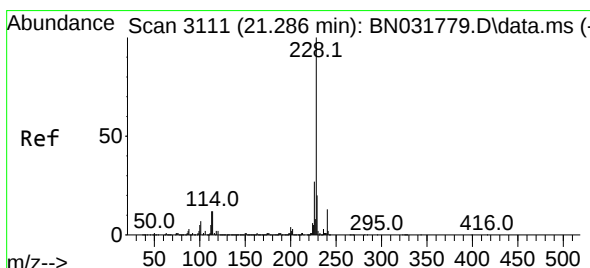
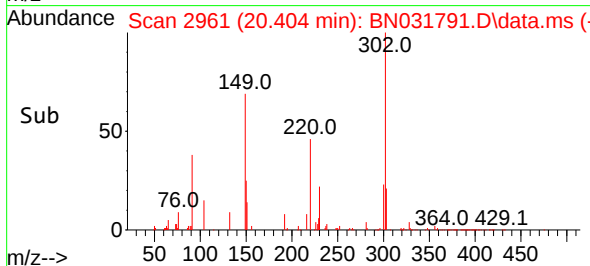
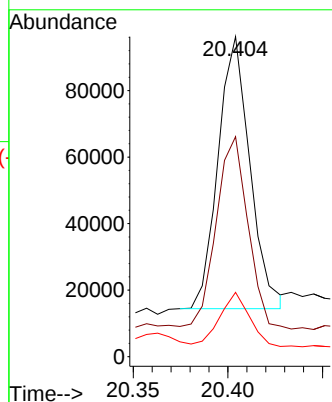
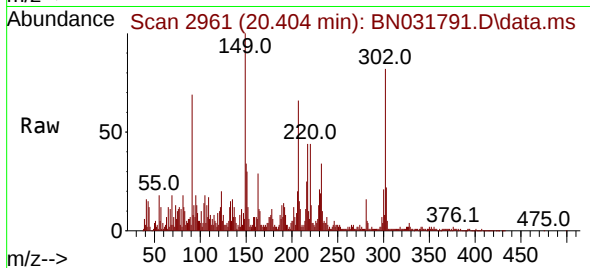
BHBQ7

Tgt Ion:	149	Resp:	9546
Ion Ratio	Lower	Upper	
149	100		
91	68.7	61.0	91.4
206	20.1	16.5	24.7

Manual Integrations

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



#85

Benzo(a)anthracene

Concen: 111.183 ng/ul

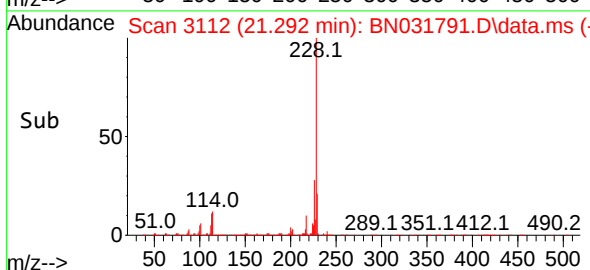
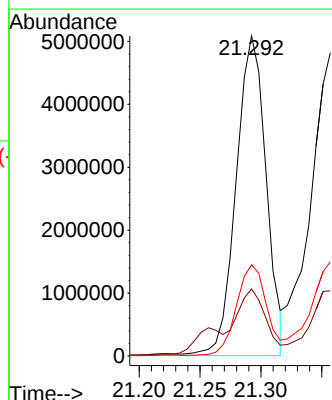
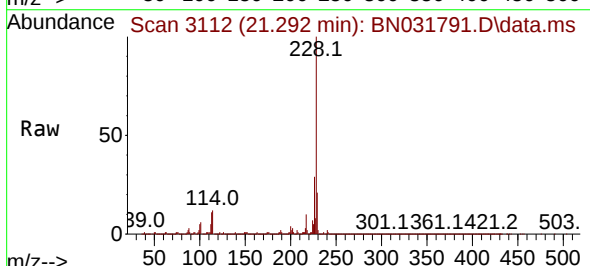
RT: 21.292 min Scan# 3112

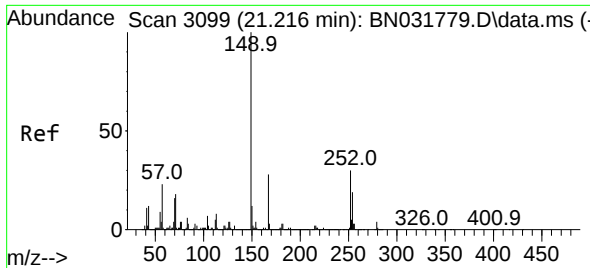
Delta R.T. 0.006 min

Lab File: BN031791.D

Acq: 05 Jun 2024 00:47

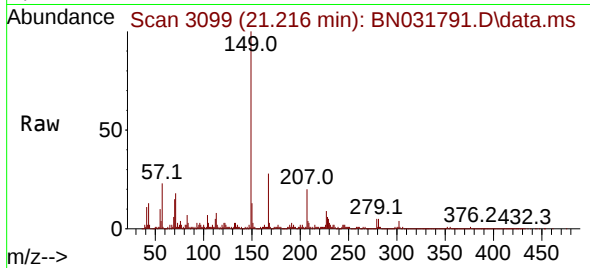
Tgt Ion:	228	Resp:	8699452
Ion Ratio	Lower	Upper	
228	100		
229	21.0	16.7	25.1
226	28.5	22.8	34.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 14.453 ng/ul
RT: 21.216 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

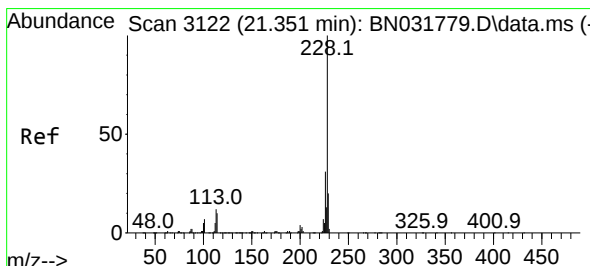
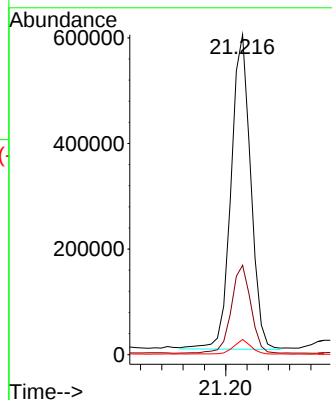
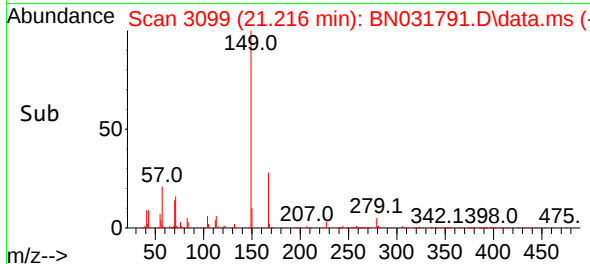
Instrument :
BNA_N
ClientSampleId :
BHBQ7



Tgt Ion:149 Resp: 763229
Ion Ratio Lower Upper
149 100
167 27.9 21.4 32.0
279 4.8 3.3 4.9

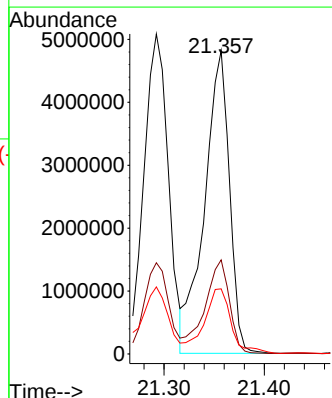
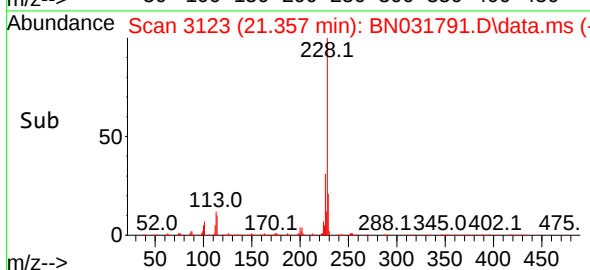
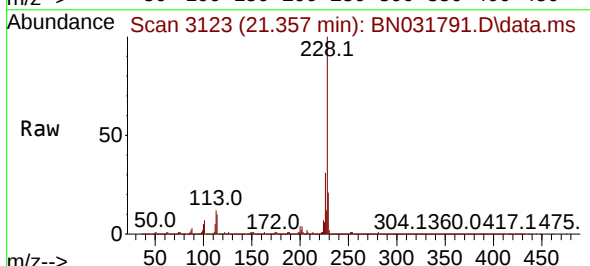
Manual Integrations
APPROVED

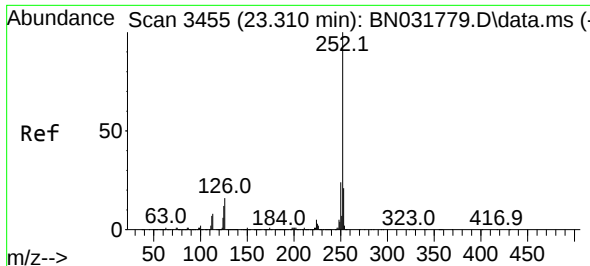
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#87
Chrysene
Concen: 113.715 ng/ul
RT: 21.357 min Scan# 3123
Delta R.T. 0.006 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

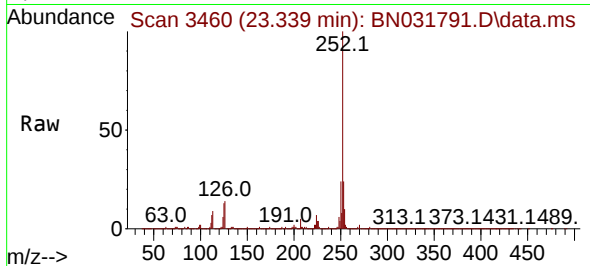
Tgt Ion:228 Resp: 8310928
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 21.5 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 115.504 ng/ul
RT: 23.339 min Scan# 3455
Delta R.T. 0.029 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47

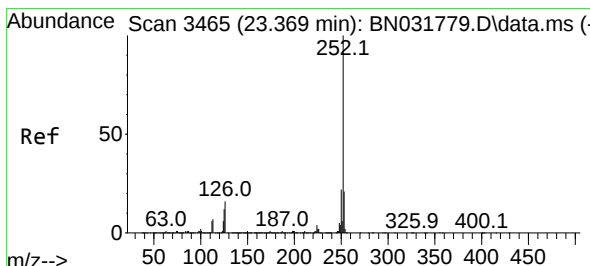
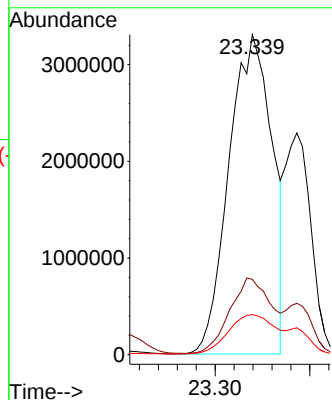
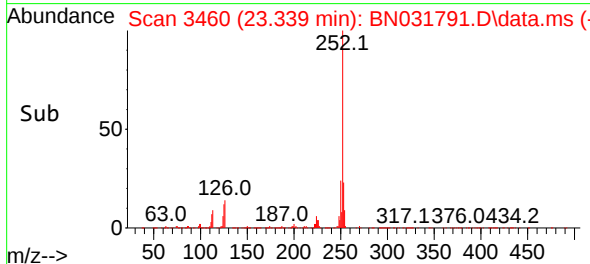
Instrument :
BNA_N
ClientSampleId :
BHBQ7



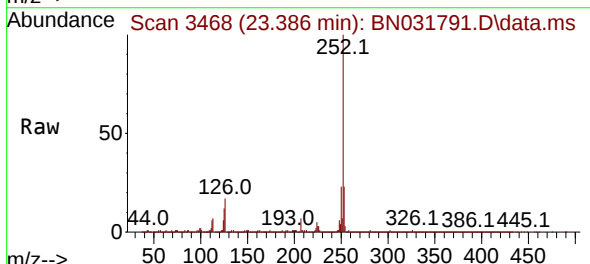
Tgt Ion:252 Resp:1047601
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 12.5 9.2 13.8

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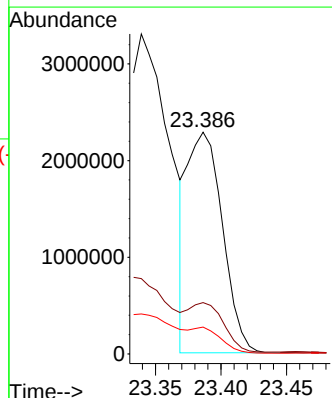
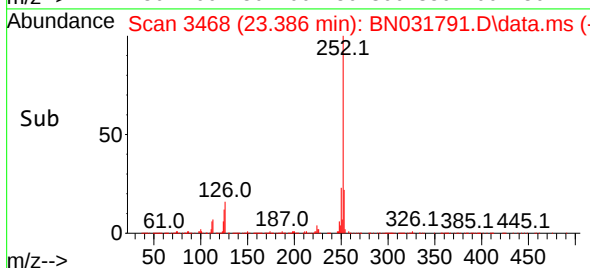
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

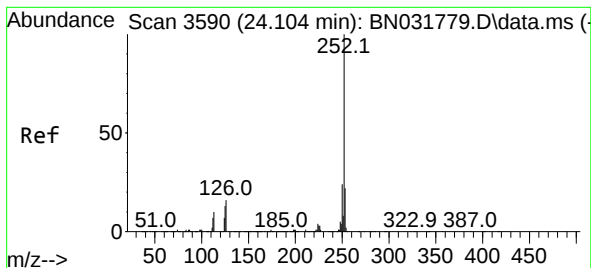


#91
Benzo(k)fluoranthene
Concen: 47.674 ng/ul
RT: 23.386 min Scan# 3468
Delta R.T. 0.012 min
Lab File: BN031791.D
Acq: 05 Jun 2024 00:47



Tgt Ion:252 Resp: 4242928
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.1 9.4 14.2





#93

Benzo(a)pyrene

Concen: 51.800 ng/u1

RT: 24.116 min Scan# 3

Delta R.T. 0.012 min

Lab File: BN031791.D

Acq: 05 Jun 2024 00:47

Instrument :

BNA_N

ClientSampleId :

BHBQ7

Tgt Ion:252 Resp: 440025

Ion Ratio Lower Upper

252 100

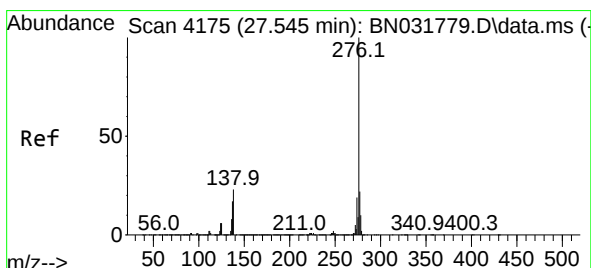
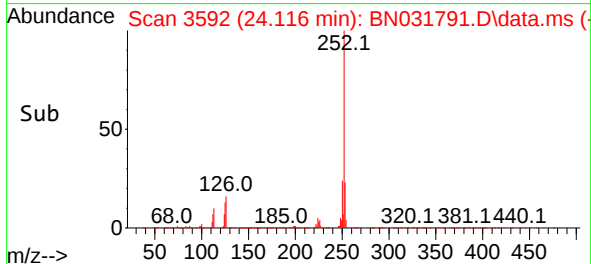
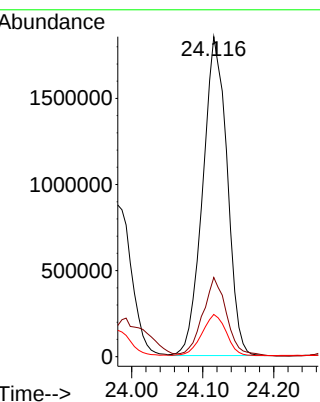
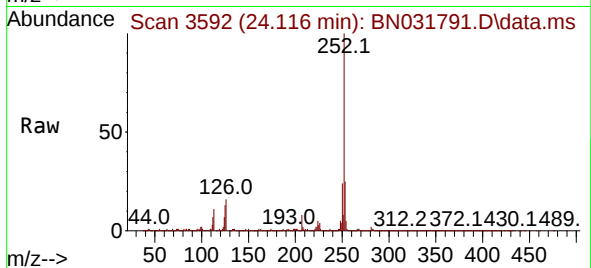
253 24.8 16.6 24.8

125 13.2 9.8 14.8

Manual Integrations

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 39.200 ng/u1

RT: 27.586 min Scan# 4182

Delta R.T. 0.053 min

Lab File: BN031791.D

Acq: 05 Jun 2024 00:47

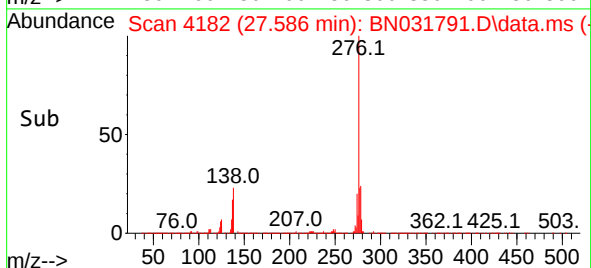
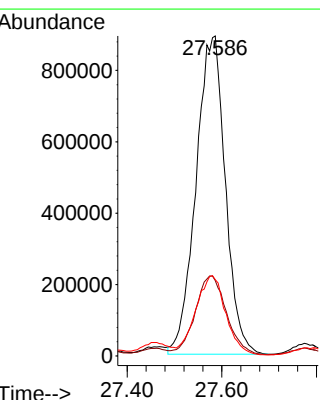
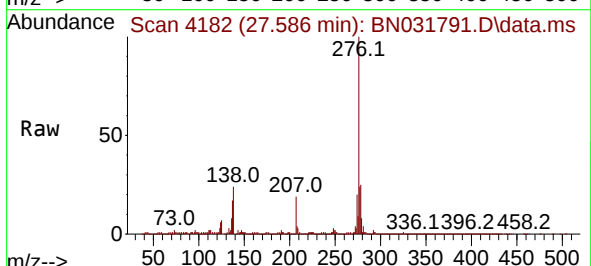
Tgt Ion:276 Resp: 3837172

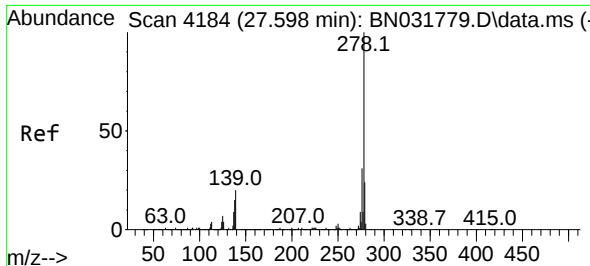
Ion Ratio Lower Upper

276 100

138 23.6 18.1 27.1

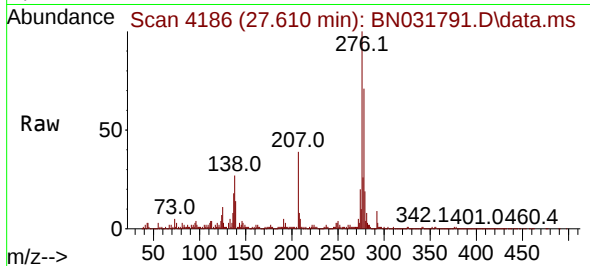
277 23.9 18.2 27.2





#95
 Dibenzo(a,h)anthracene
 Concen: 17.891 ng/ul
 RT: 27.610 min Scan# 4184
 Delta R.T. 0.006 min
 Lab File: BN031791.D
 Acq: 05 Jun 2024 00:47

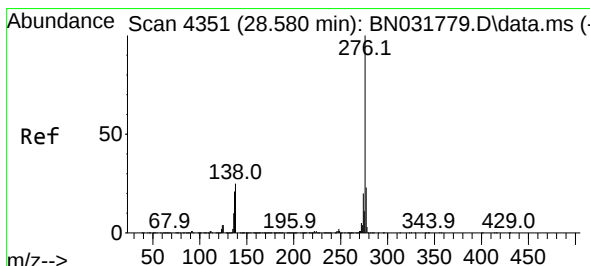
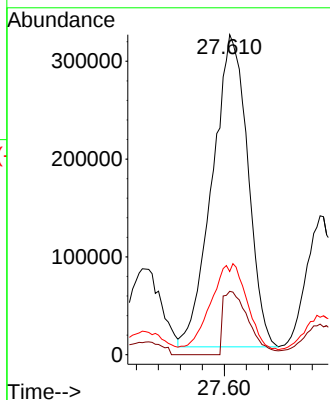
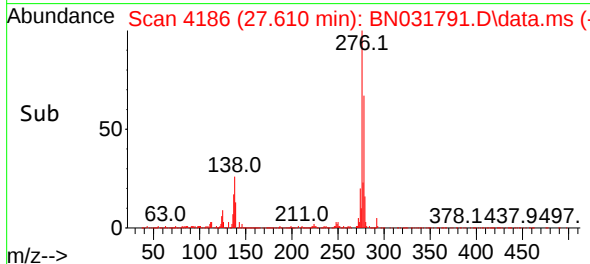
Instrument :
 BNA_N
 ClientSampleId :
 BHBQ7



Tgt Ion:278 Resp: 142976
 Ion Ratio Lower Upper
 278 100
 139 19.8 15.0 22.6
 279 26.0 17.4 26.0

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



#96
 Benzo(g,h,i)perylene
 Concen: 6.423 ng/ul m
 RT: 28.610 min Scan# 4356
 Delta R.T. 0.041 min
 Lab File: BN031791.D
 Acq: 05 Jun 2024 00:47

Tgt Ion:276 Resp: 499825
 Ion Ratio Lower Upper
 276 100
 138 24.8 20.9 31.3
 277 22.8 18.0 27.0

