

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031782.D
 Acq On : 04 Jun 2024 18:52
 Operator : MA/JU
 Sample : P2591-11DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ2DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 00:50:51 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	507487	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2165119	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1271910	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2131887	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	1128695	20.000	ng/u1	0.01
88) Perylene-d12	24.257	264	1555152	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	4319m	0.352	ng/uL	0.00
4) Pyridine-d5	3.611	84	43459	1.259	ng/u1	0.01
7) Phenol-d5	6.852	99	108581	2.496	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	57598	2.263	ng/u1	0.00
11) 2-Chlorophenol-d4	7.211	132	86123	2.594	ng/u1	0.00
15) 4-Methylphenol-d8	8.381	113	80593	2.273	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	39815	2.405	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	39965	2.337	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	78398	2.456	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	55375	1.168	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	235666	2.660	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	271067	2.660	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	25218	1.421	ng/u1	0.00
60) Fluorene-d10	15.316	176	198630	2.649	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	6478	0.605	ng/u1	0.01
73) Anthracene-d10	17.175	188	256148	2.806	ng/u1	0.00
81) Pyrene-d10	19.475	212	203609	3.371	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.057	264	163750	2.205	ng/u1	0.02
Target Compounds	Qvalue					
30) Naphthalene	10.510	128	849894	7.585	ng/u1	99
36) 2-Methylnaphthalene	12.128	142	297989	3.891	ng/u1	99
37) 1-Methylnaphthalene	12.351	142	253817	3.303	ng/u1	100
43) 1,1'-Biphenyl	13.151	154	110973	1.240	ng/u1	98
50) Acenaphthylene	14.045	152	229649	1.994	ng/u1#	96
52) Acenaphthene	14.387	153	811374	10.650	ng/u1	100
56) Dibenzofuran	14.722	168	1230021	11.883	ng/u1	100
61) Fluorene	15.375	166	955716	11.466	ng/u1	97
72) Phenanthrene	17.122	178	14278482	131.476	ng/u1	100
74) Anthracene	17.204	178	3878279	35.243	ng/u1	99
77) Carbazole	17.481	167	2345958	25.002	ng/u1	99
80) Fluoranthene	19.139	202	15873076	219.901	ng/u1	100
82) Pyrene	19.510	202	13239179	178.765	ng/u1	97
85) Benzo(a)anthracene	21.298	228	8085989	107.030	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.216	149	183071	3.590	ng/u1#	87
87) Chrysene	21.357	228	7535797m	106.788	ng/u1	
90) Benzo(b)fluoranthene	23.345	252	9913294	106.646	ng/u1	96
91) Benzo(k)fluoranthene	23.386	252	4520709m	49.562	ng/u1	
93) Benzo(a)pyrene	24.127	252	5516572	63.365	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.592	276	4632438	46.175	ng/u1	94
95) Dibenzo(a,h)anthracene	27.615	278	1519467	18.551	ng/u1#	95
96) Benzo(g,h,i)perylene	28.598	276	750348m	9.409	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)

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

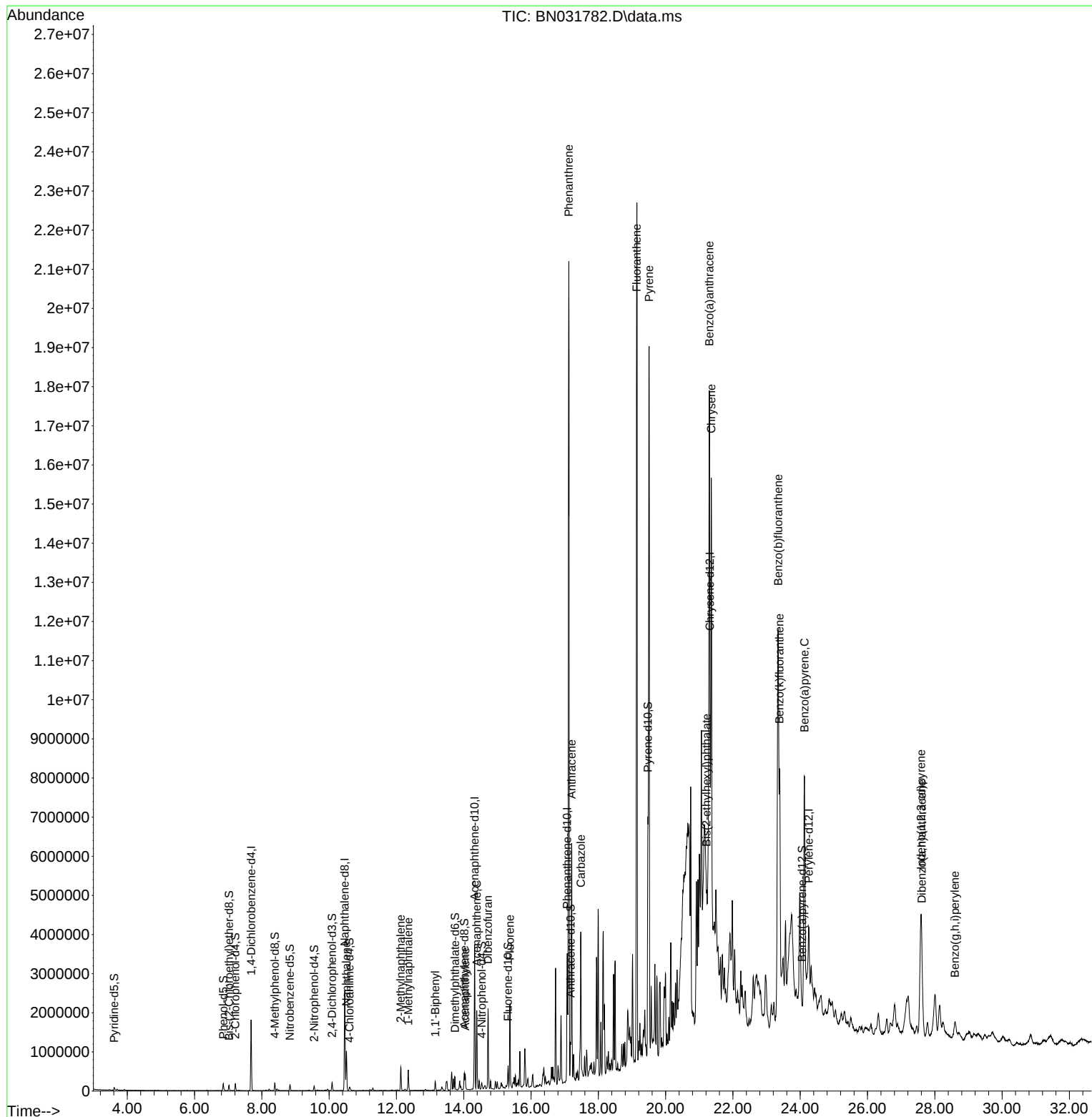
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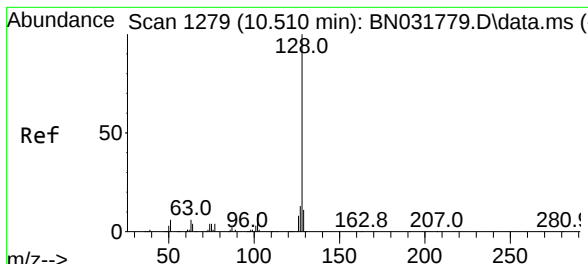
Instrument :
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Quant Time: Jun 05 00:50:51 2024
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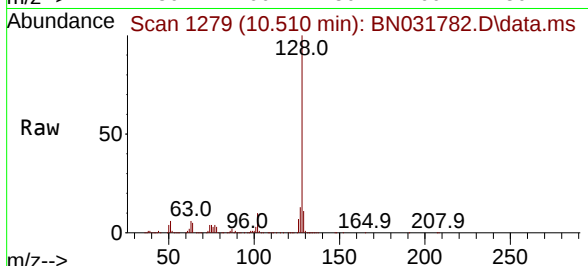
#30
Naphthalene
Concen: 7.585 ng/ul
RT: 10.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

Instrument :

BNA_N

ClientSampleId :

BHBQ2DL

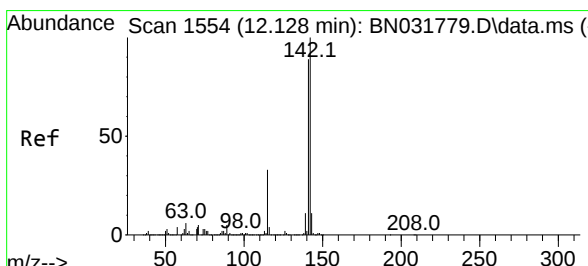
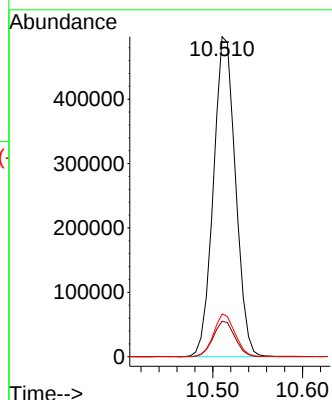
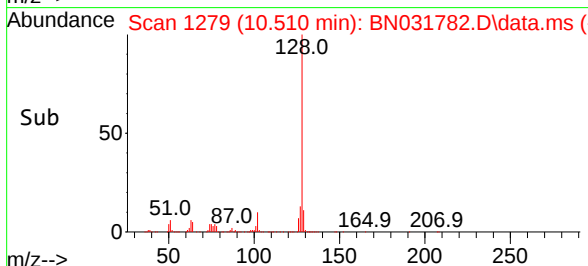


Tgt Ion:	128	Resp:	849894
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.5	12.7
127	13.4	10.3	15.5

Manual Integrations

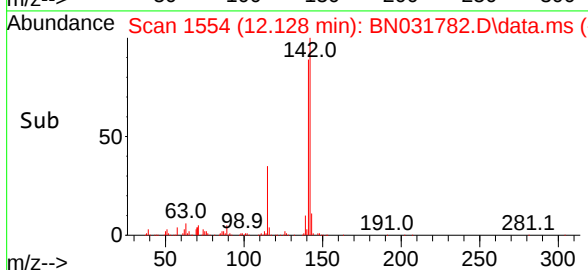
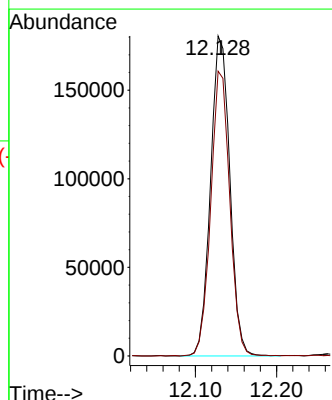
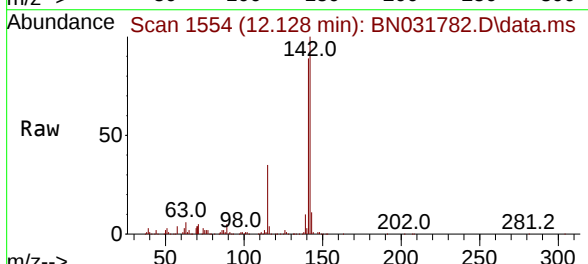
APPROVED

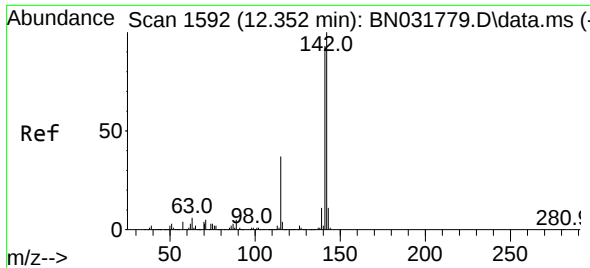
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#36
2-Methylnaphthalene
Concen: 3.891 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

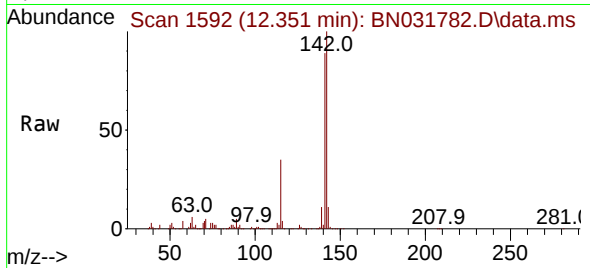
Tgt Ion:	142	Resp:	297989
Ion Ratio	Lower	Upper	
142	100		
141	89.0	70.1	105.1





#37
1-Methylnaphthalene
Concen: 3.303 ng/ul
RT: 12.351 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

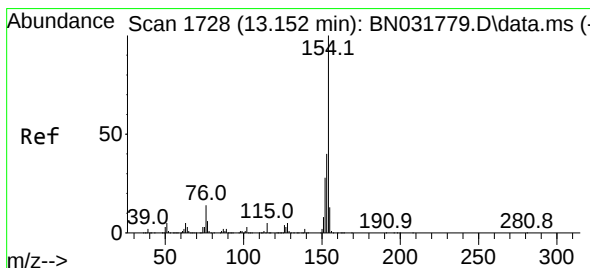
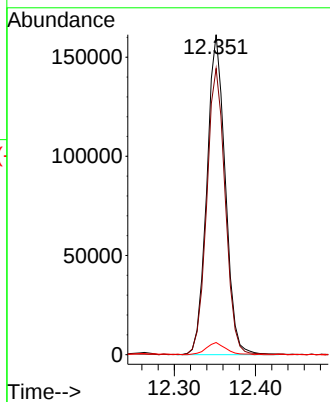
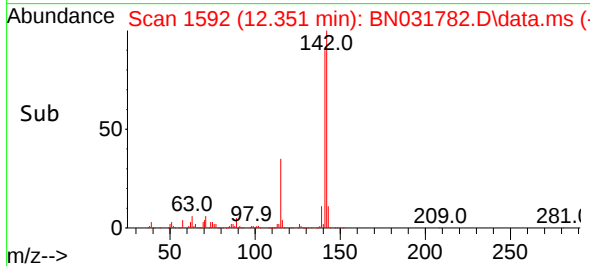
Instrument :
BNA_N
ClientSampleId :
BHBQ2DL



Tgt Ion:142 Resp: 25381
Ion Ratio Lower Upper
142 100
141 89.4 71.7 107.5
116 3.8 3.0 4.4

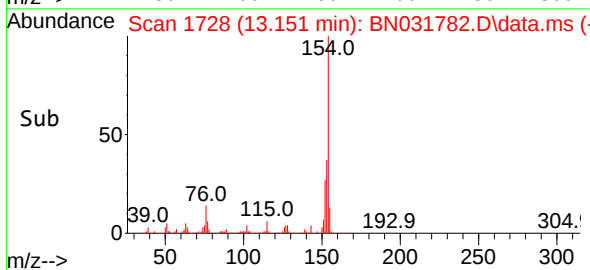
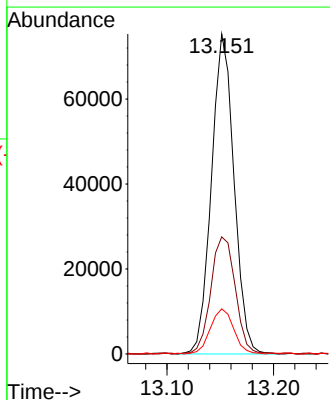
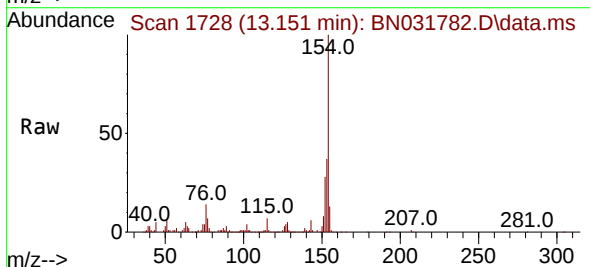
Manual Integrations
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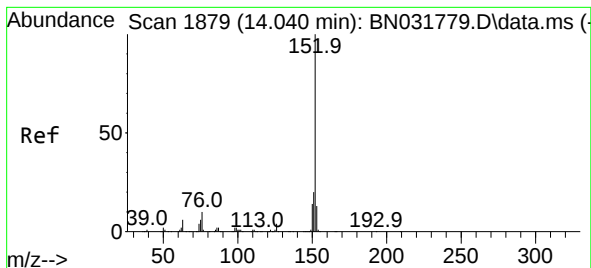
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#43
1,1'-Biphenyl
Concen: 1.240 ng/ul
RT: 13.151 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

Tgt Ion:154 Resp: 110973
Ion Ratio Lower Upper
154 100
153 36.6 30.6 46.0
76 14.1 11.1 16.7





#50

Acenaphthylene

Concen: 1.994 ng/ul

RT: 14.045 min Scan# 1879

Delta R.T. -0.000 min

Lab File: BN031782.D

Acq: 04 Jun 2024 18:52

Instrument :

BNA_N

ClientSampleId :

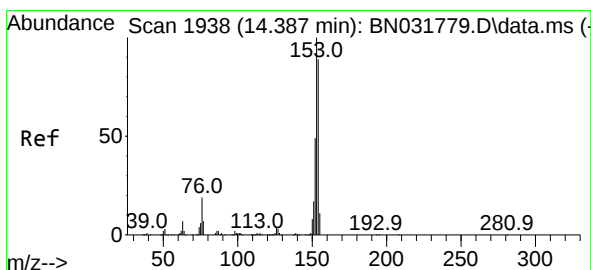
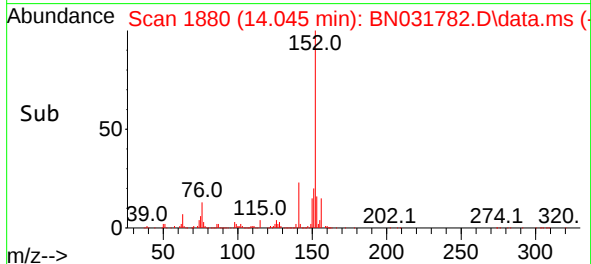
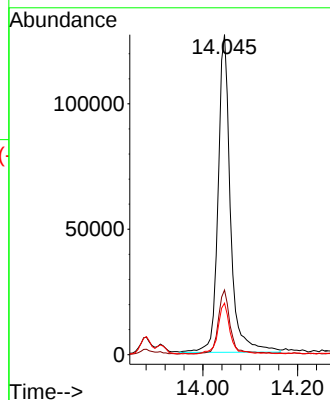
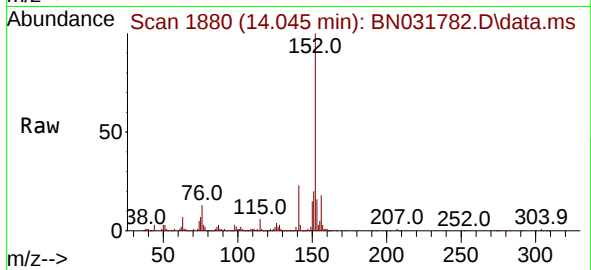
BHBQ2DL

Tgt Ion:	152	Resp:	229649
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.9	23.9
153	16.1	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: 10.650 ng/ul

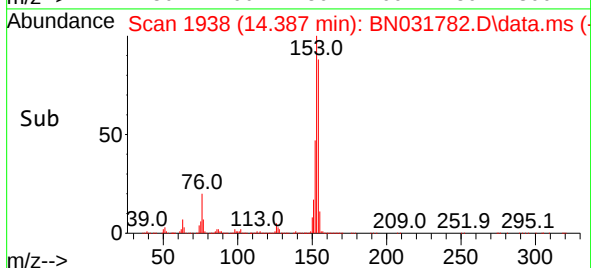
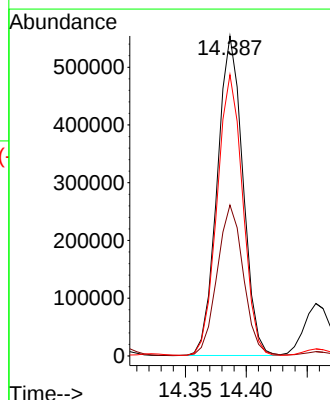
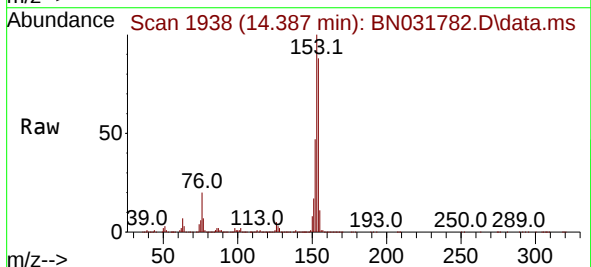
RT: 14.387 min Scan# 1938

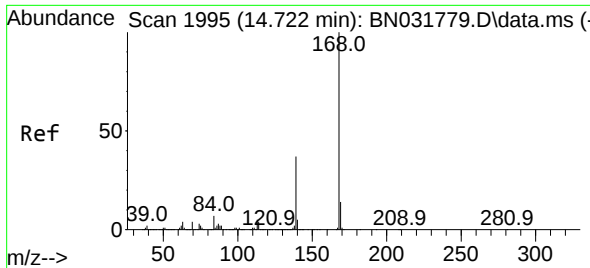
Delta R.T. -0.000 min

Lab File: BN031782.D

Acq: 04 Jun 2024 18:52

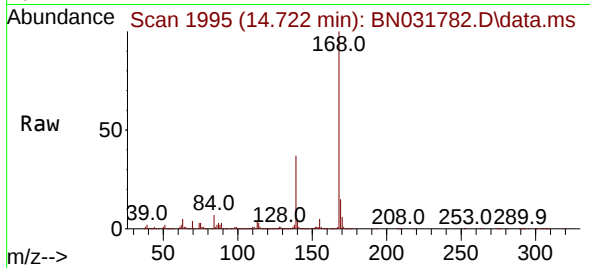
Tgt Ion:	153	Resp:	811374
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.8	56.6
154	87.9	69.8	104.8





#56
Dibenzenofuran
Concen: 11.883 ng/ul
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

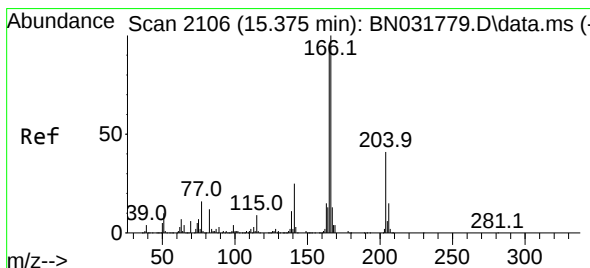
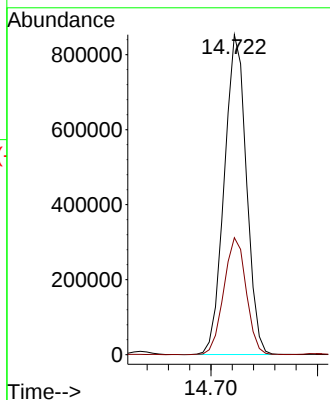
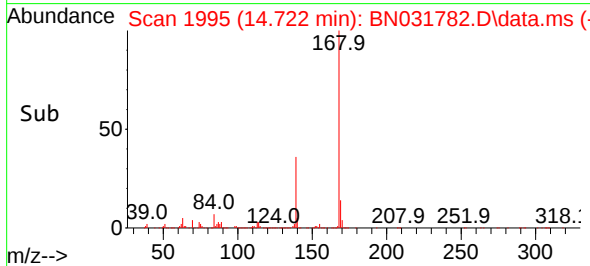
Instrument :
BNA_N
ClientSampleId :
BHBQ2DL



Tgt Ion:168 Resp: 123002
Ion Ratio Lower Upper
168 100
139 36.6 29.4 44.0

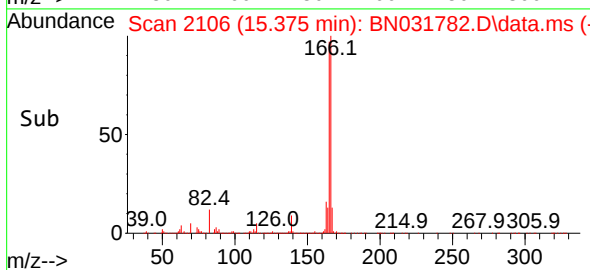
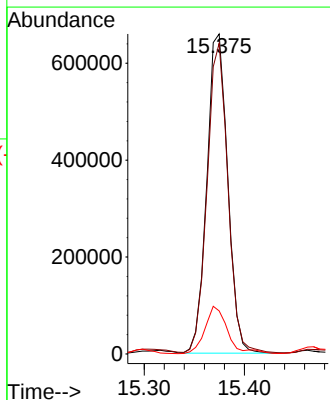
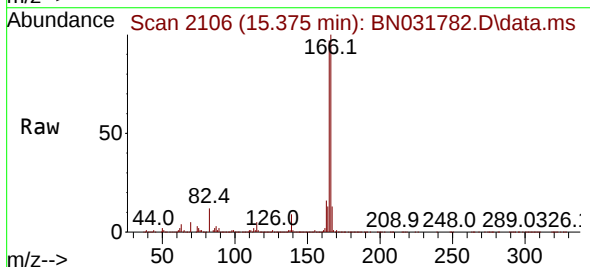
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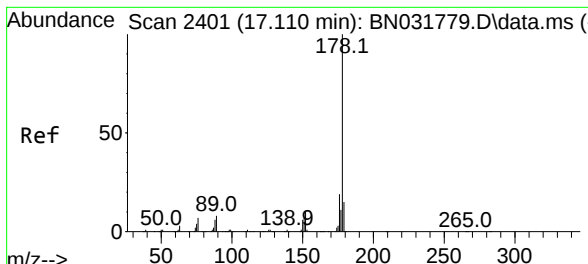
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#61
Fluorene
Concen: 11.466 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

Tgt Ion:166 Resp: 955716
Ion Ratio Lower Upper
166 100
165 97.1 80.3 120.5
167 13.4 11.3 16.9





#72
 Phenanthrene
 Concen: 131.476 ng/ul
 RT: 17.122 min Scan# 2403
 Delta R.T. 0.006 min
 Lab File: BN031782.D
 Acq: 04 Jun 2024 18:52

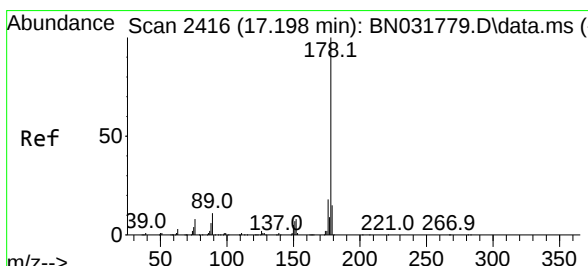
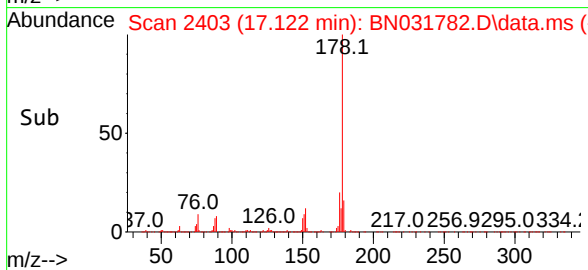
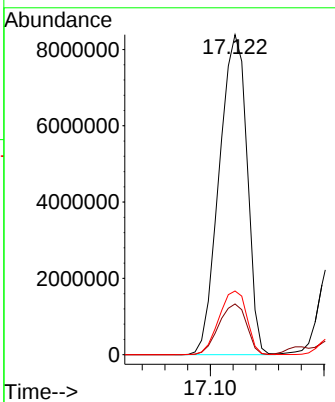
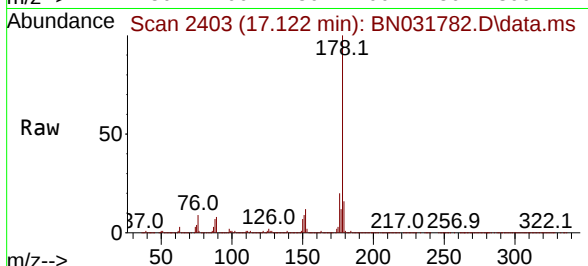
Instrument : BNA_N
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Tgt Ion:178 Resp:1427848

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	19.9	15.8	23.6

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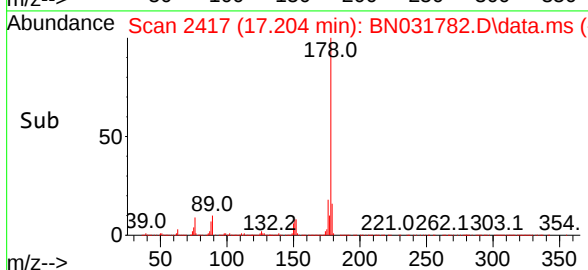
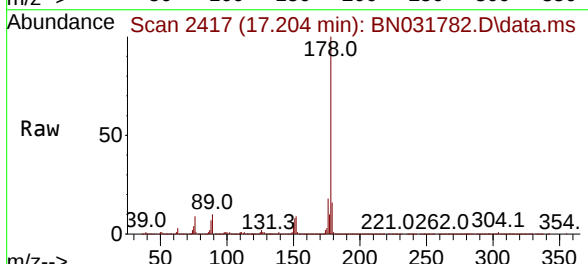
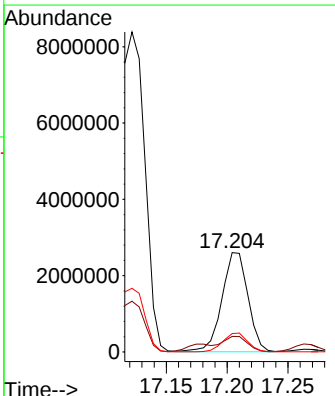
Reviewed By :Jagrut Upadhyay 06/05/2024
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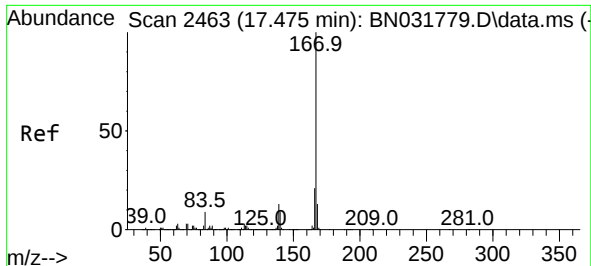


#74
 Anthracene
 Concen: 35.243 ng/ul
 RT: 17.204 min Scan# 2417
 Delta R.T. -0.000 min
 Lab File: BN031782.D
 Acq: 04 Jun 2024 18:52

Tgt Ion:178 Resp: 3878279

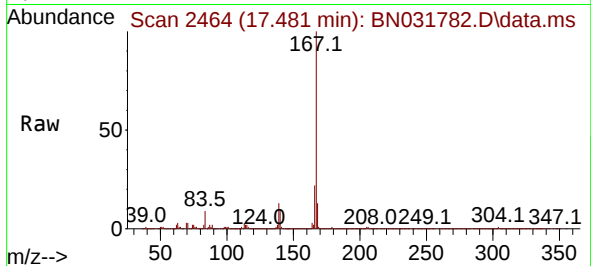
Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.6
176	18.5	14.8	22.2





#77
 Carbazole
 Concen: 25.002 ng/ul
 RT: 17.481 min Scan# 2463
 Delta R.T. 0.006 min
 Lab File: BN031782.D
 Acq: 04 Jun 2024 18:52

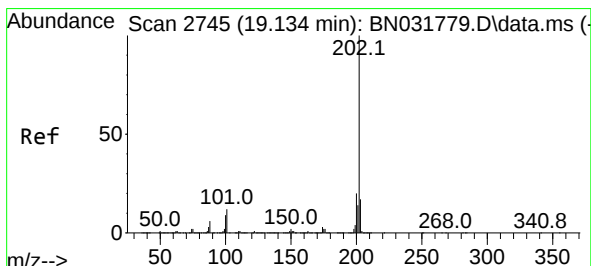
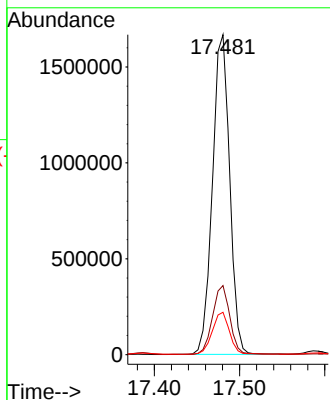
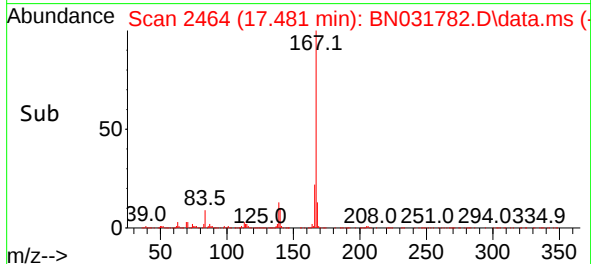
Instrument :
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Tgt Ion:167 Resp: 2345958
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.9 26.9
 139 13.2 10.5 15.7

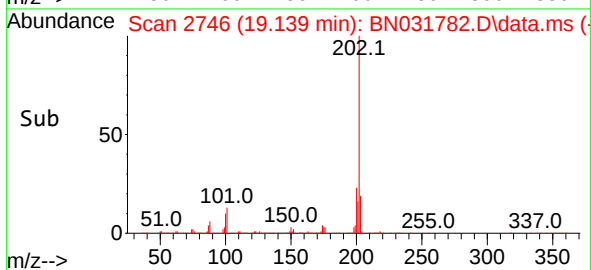
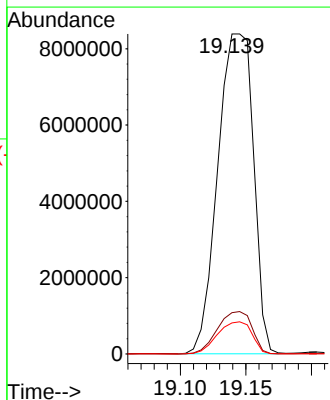
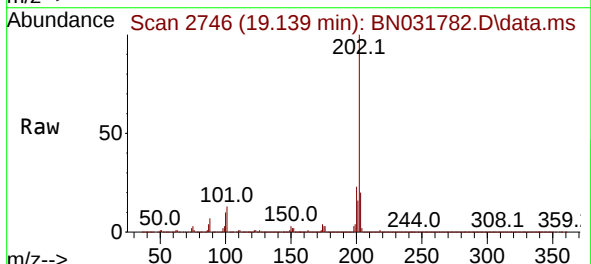
Manual Integrations
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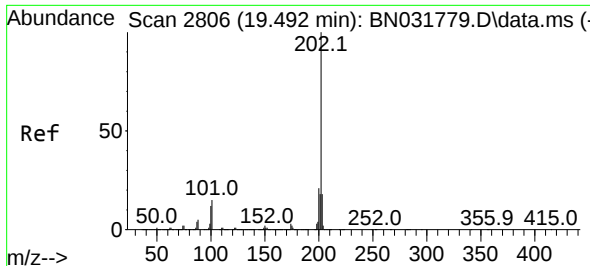
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#80
 Fluoranthene
 Concen: 219.901 ng/ul
 RT: 19.139 min Scan# 2746
 Delta R.T. 0.006 min
 Lab File: BN031782.D
 Acq: 04 Jun 2024 18:52

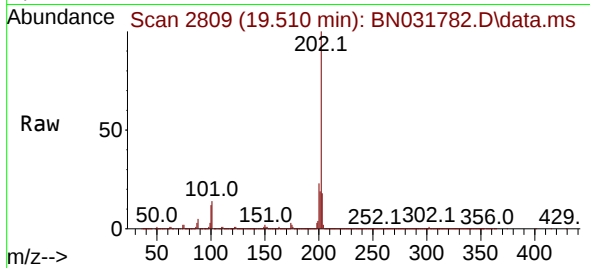
Tgt Ion:202 Resp:15873076
 Ion Ratio Lower Upper
 202 100
 101 12.9 10.3 15.5
 100 9.7 8.0 12.0





#82
Pyrene
Concen: 178.765 ng/ul
RT: 19.510 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

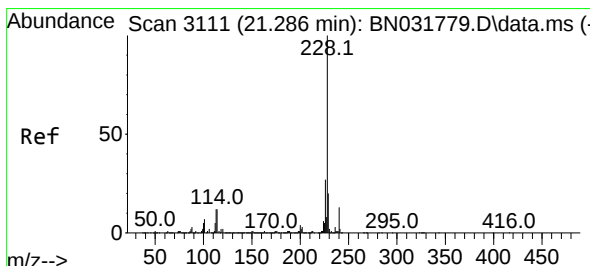
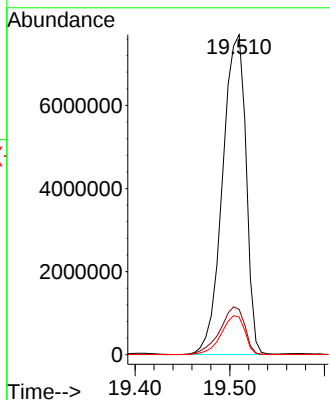
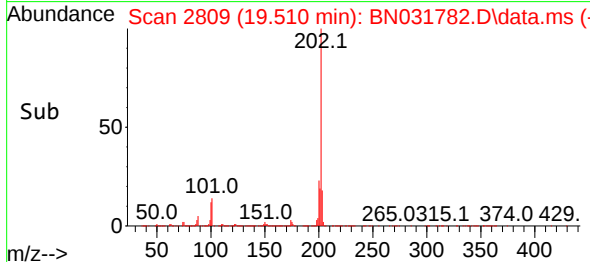
Instrument :
BNA_N
ClientSampleId :
BHBQ2DL



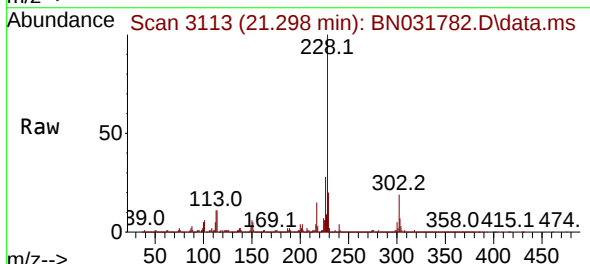
Tgt Ion:202 Resp:13239179
Ion Ratio Lower Upper
202 100
101 14.1 12.6 18.8
100 11.7 10.2 15.2

Manual Integrations
APPROVED

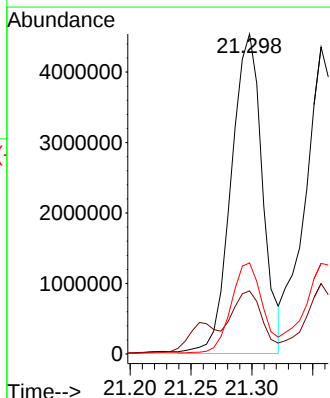
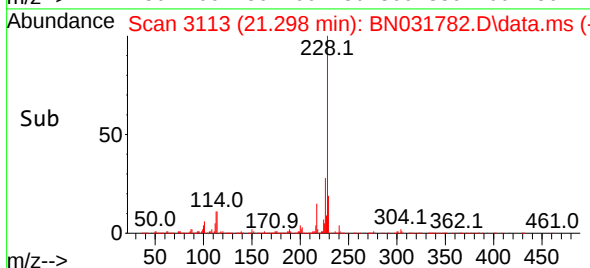
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

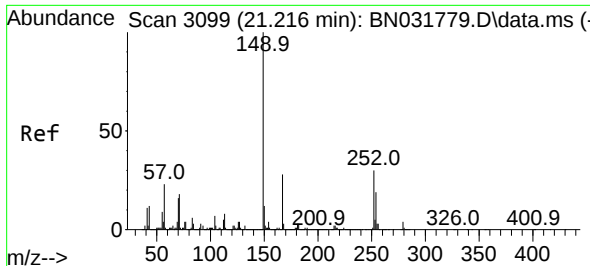


#85
Benzo(a)anthracene
Concen: 107.030 ng/ul
RT: 21.298 min Scan# 3113
Delta R.T. 0.012 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52



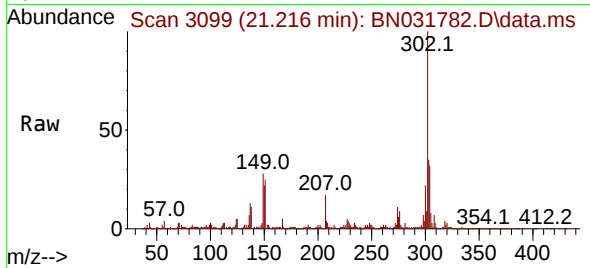
Tgt Ion:228 Resp: 8085989
Ion Ratio Lower Upper
228 100
229 19.7 16.7 25.1
226 28.4 22.8 34.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 3.590 ng/ul
RT: 21.216 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

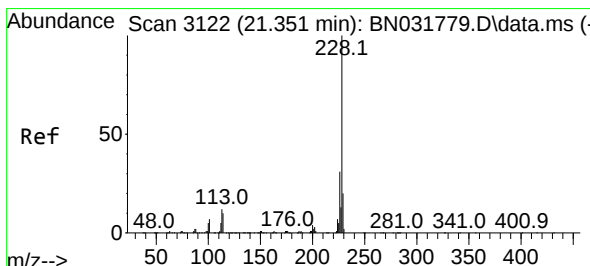
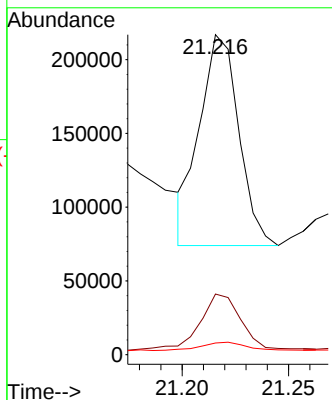
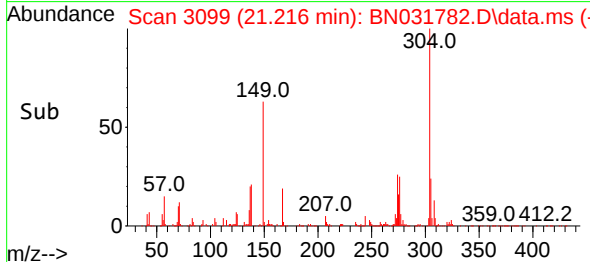
Instrument :
BNA_N
ClientSampleId :
BHBQ2DL



Tgt Ion:149 Resp: 183072
Ion Ratio Lower Upper
149 100
167 18.9 21.4 32.0
279 3.7 3.3 4.9

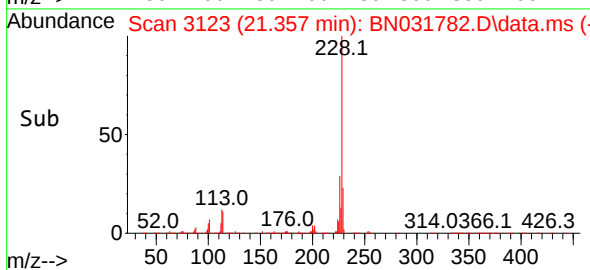
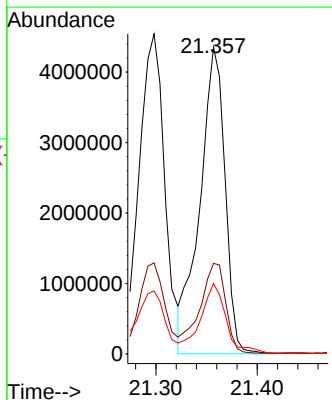
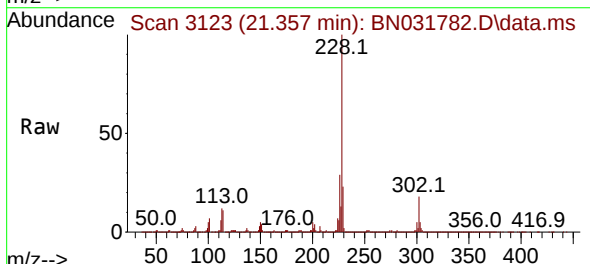
Manual Integrations
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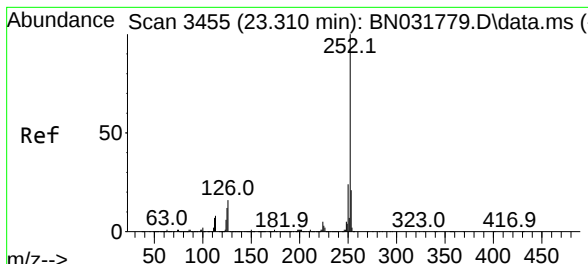
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#87
Chrysene
Concen: 106.788 ng/ul m
RT: 21.357 min Scan# 3123
Delta R.T. 0.006 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

Tgt Ion:228 Resp: 7535797
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 22.9 15.1 22.7#





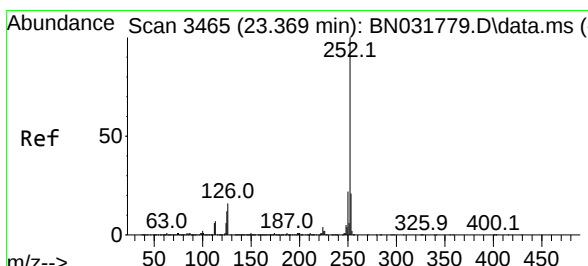
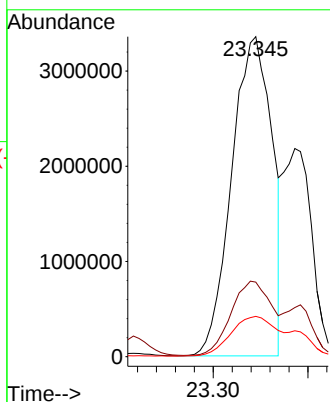
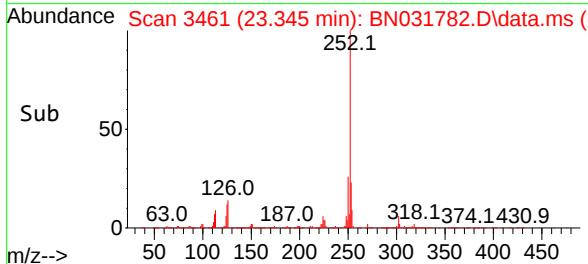
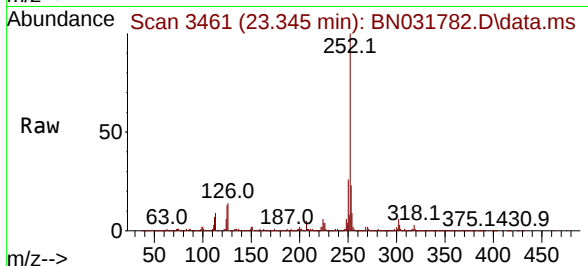
#90
Benzo(b)fluoranthene
Concen: 106.646 ng/ul
RT: 23.345 min Scan# 3455
Delta R.T. 0.035 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

Instrument :
BNA_N
ClientSampleId :
BHBQ2DL

Tgt Ion:252 Resp: 9913294
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 12.6 9.2 13.8

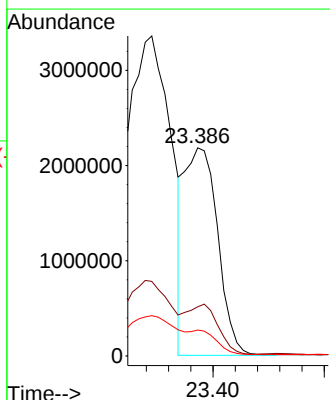
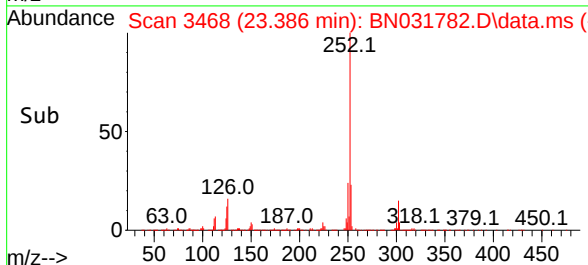
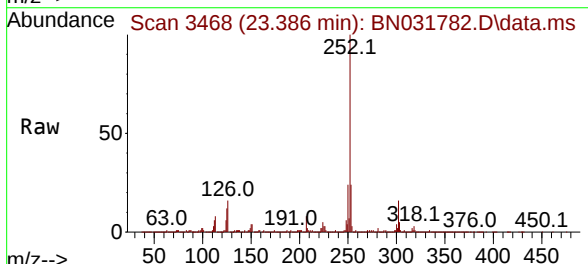
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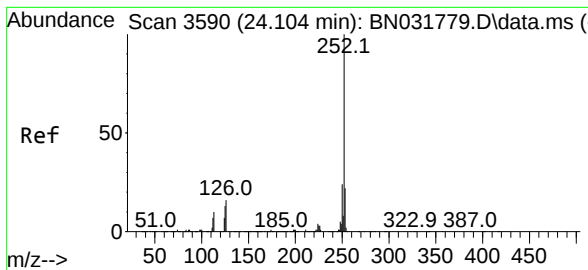
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#91
Benzo(k)fluoranthene
Concen: 49.562 ng/ul m
RT: 23.386 min Scan# 3468
Delta R.T. 0.012 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

Tgt Ion:252 Resp: 4520709
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 12.5 9.4 14.2





#93

Benzo(a)pyrene

Concen: 63.365 ng/u1

RT: 24.127 min Scan# 31

Delta R.T. 0.023 min

Lab File: BN031782.D

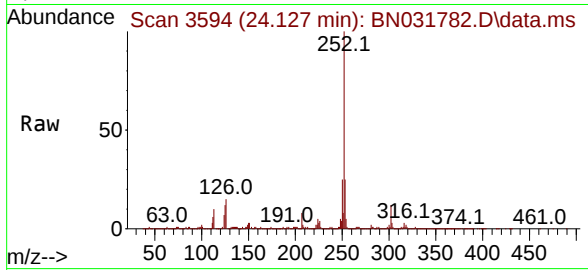
Acq: 04 Jun 2024 18:52

Instrument :

BNA_N

ClientSampleId :

BHBQ2DL



Tgt Ion:252 Resp: 551657

Ion Ratio Lower Upper

252 100

253 24.5 16.6 24.8

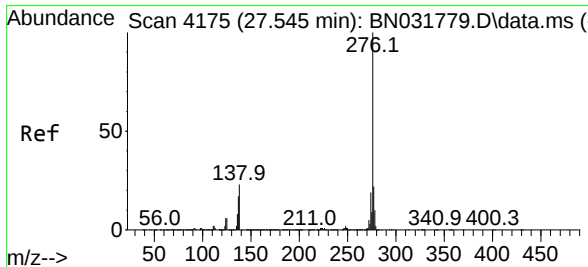
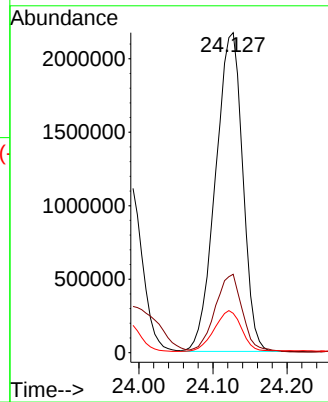
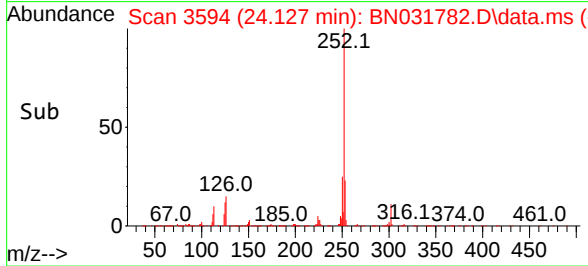
125 12.3 9.8 14.8

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: 46.175 ng/u1

RT: 27.592 min Scan# 4183

Delta R.T. 0.059 min

Lab File: BN031782.D

Acq: 04 Jun 2024 18:52

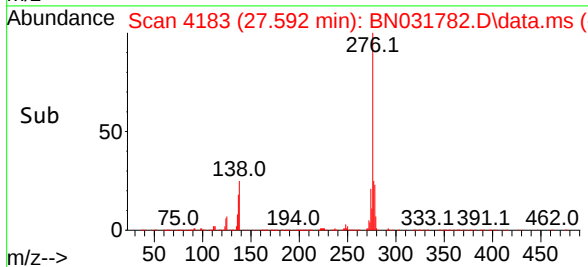
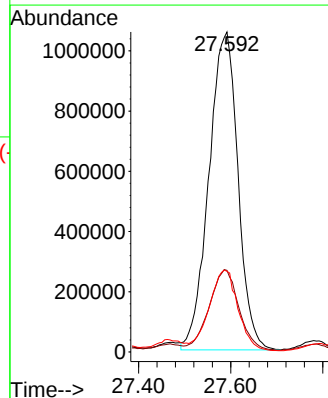
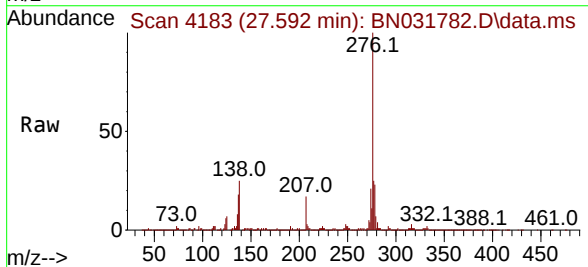
Tgt Ion:276 Resp: 4632438

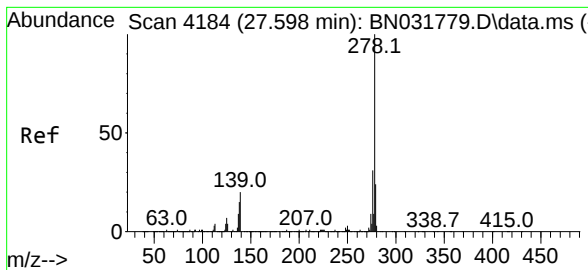
Ion Ratio Lower Upper

276 100

138 25.5 18.1 27.1

277 25.2 18.2 27.2





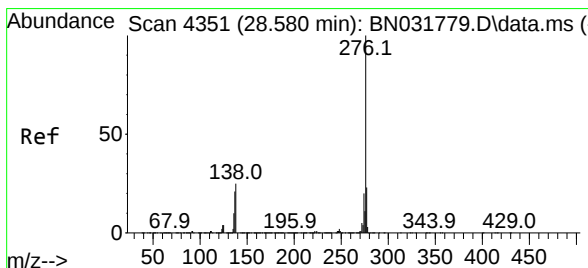
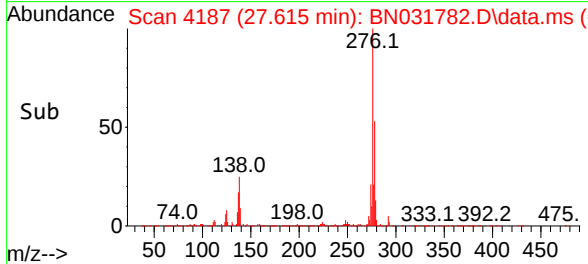
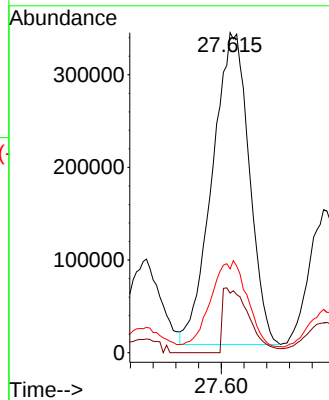
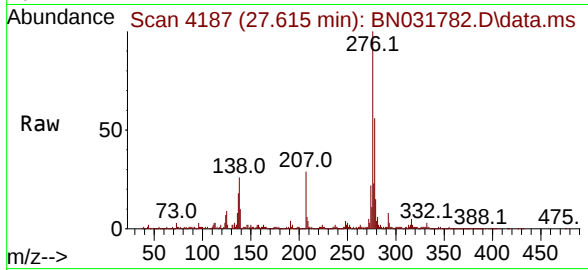
#95
Dibenzo(a,h)anthracene
Concen: 18.551 ng/ul
RT: 27.615 min Scan# 4187
Delta R.T. 0.012 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

Instrument :
BNA_N
ClientSampleId :
BHBQ2DL

Tgt Ion:278 Resp: 151946
Ion Ratio Lower Upper
278 100
139 18.6 15.0 22.6
279 26.2 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: 9.409 ng/ul m
RT: 28.598 min Scan# 4354
Delta R.T. 0.029 min
Lab File: BN031782.D
Acq: 04 Jun 2024 18:52

Tgt Ion:276 Resp: 750348
Ion Ratio Lower Upper
276 100
138 27.7 20.9 31.3
277 23.0 18.0 27.0

