

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031923.D
 Acq On : 11 Jun 2024 23:35
 Operator : MA/JU
 Sample : P2659-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHC30

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/14/2024

Quant Time: Jun 12 00:14:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	319911	20.000	ng/u1	0.00
20) Naphthalene-d8	10.440	136	1443506	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	936472	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.057	188	1900748	20.000	ng/u1	0.00
79) Chrysene-d12	21.292	240	1159360	20.000	ng/u1	0.00
88) Perylene-d12	24.215	264	1251664	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	22613	2.924	ng/uL	0.00
4) Pyridine-d5	3.593	84	79617	3.658	ng/u1	0.01
7) Phenol-d5	6.834	99	536085	19.547	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	317229	19.775	ng/u1	0.00
11) 2-Chlorophenol-d4	7.193	132	440409	21.046	ng/u1	0.00
15) 4-Methylphenol-d8	8.363	113	397174	17.766	ng/u1	0.00
21) Nitrobenzene-d5	8.816	128	228809	20.731	ng/u1	0.00
24) 2-Nitrophenol-d4	9.534	143	247894	21.743	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	444186	20.869	ng/u1	0.00
31) 4-Chloroaniline-d4	10.593	131	213455	6.754	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	1369004	20.984	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	1578415	21.041	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	199847	15.299	ng/u1	0.00
60) Fluorene-d10	15.298	176	1181394	21.402	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	149076	15.603	ng/u1	0.00
73) Anthracene-d10	17.157	188	1735919	21.332	ng/u1	0.00
81) Pyrene-d10	19.457	212	1570966	25.322	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.021	264	883638	14.785	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.481	105	38071	1.124	ng/u1	93
30) Naphthalene	10.493	128	123758	1.657	ng/u1	99
36) 2-Methylnaphthalene	12.110	142	83804	1.641	ng/u1	97
37) 1-Methylnaphthalene	12.334	142	94666	1.848	ng/u1	98
50) Acenaphthylene	14.028	152	454950	5.366	ng/u1	99
52) Acenaphthene	14.369	153	152874	2.725	ng/u1	99
56) Dibenzofuran	14.704	168	255568	3.353	ng/u1	95
61) Fluorene	15.357	166	294010	4.791	ng/u1	96
72) Phenanthrene	17.104	178	6832210	70.561	ng/u1	99
74) Anthracene	17.186	178	1209216	12.325	ng/u1	100
77) Carbazole	17.463	167	504192	6.027	ng/u1	99
80) Fluoranthene	19.122	202	9723475	131.144	ng/u1	98
82) Pyrene	19.486	202	7201134	94.663	ng/u1	97
83) Butylbenzylphthalate	20.392	149	80242	2.233	ng/u1	92
85) Benzo(a)anthracene	21.274	228	3718917	47.924	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.198	149	313597	5.988	ng/u1	100
87) Chrysene	21.333	228	3761979	51.900	ng/u1	96
90) Benzo(b)fluoranthene	23.304	252	4300747	57.485	ng/u1	97
91) Benzo(k)fluoranthene	23.357	252	1514418m	20.629	ng/u1	
93) Benzo(a)pyrene	24.086	252	1815568	25.910	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.521	276	1627514m	20.156	ng/u1	
95) Dibenzo(a,h)anthracene	27.551	278	528236	8.013	ng/u1#	92
96) Benzo(g,h,i)perylene	28.533	276	223815m	3.487	ng/u1	

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

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

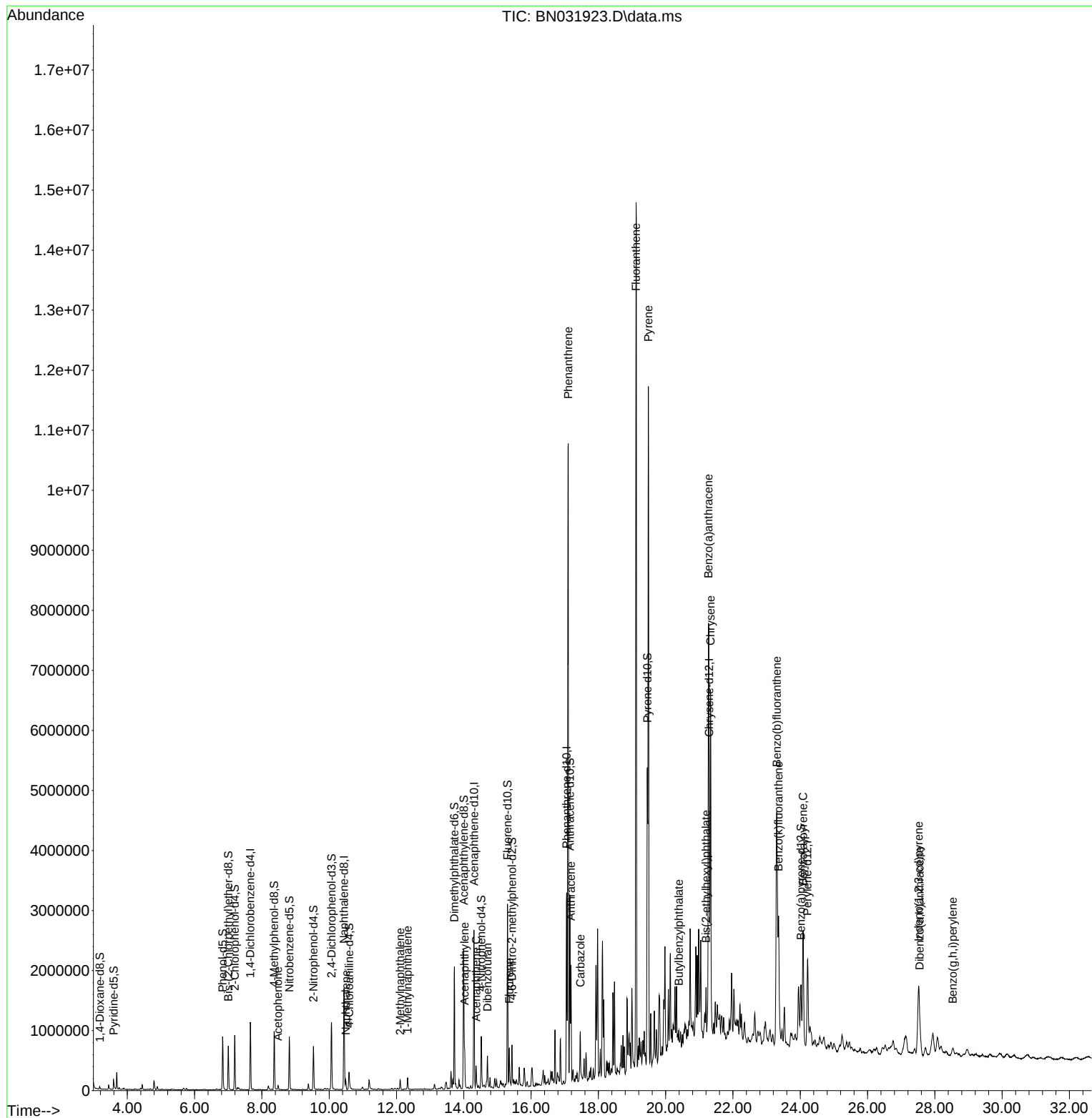
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
Data File : BN031923.D
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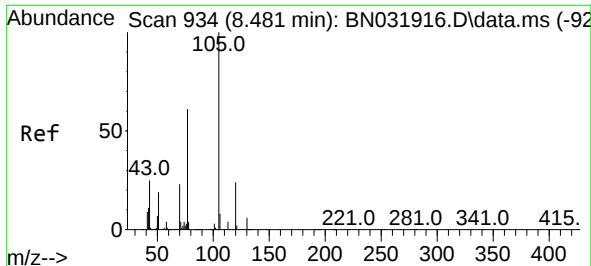
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Quant Title : SVOA CALIBRATION
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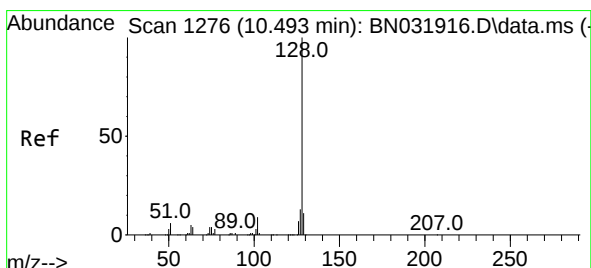
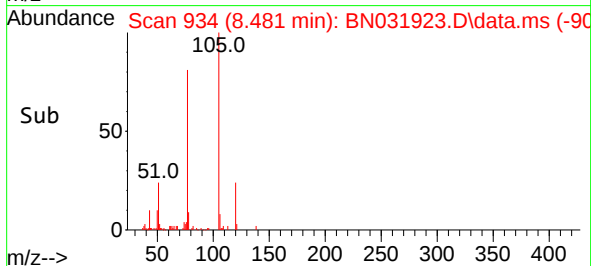
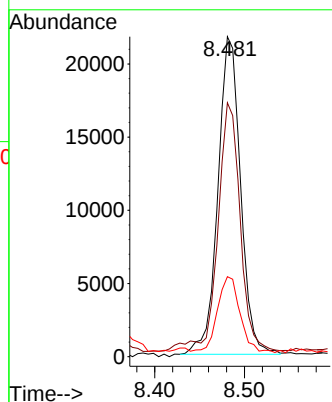
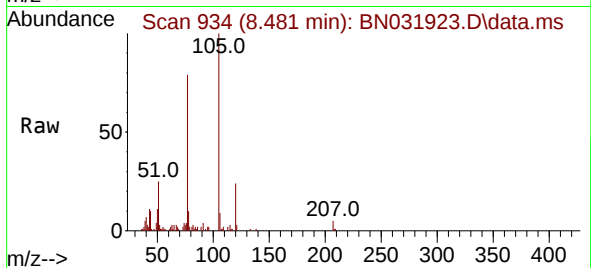
#16
Acetophenone
Concen: 1.124 ng/ul
RT: 8.481 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

Instrument :
BNA_N
ClientSampleId :
BHC30

Tgt Ion:105 Resp: 3807
Ion Ratio Lower Upper
105 100
77 79.3 58.6 87.8
51 25.0 17.2 25.8

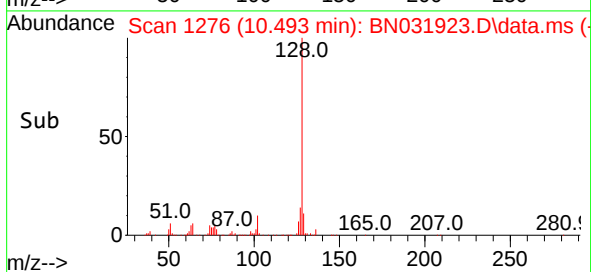
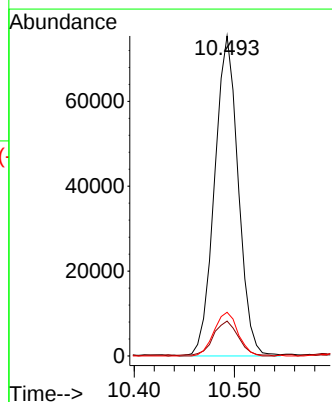
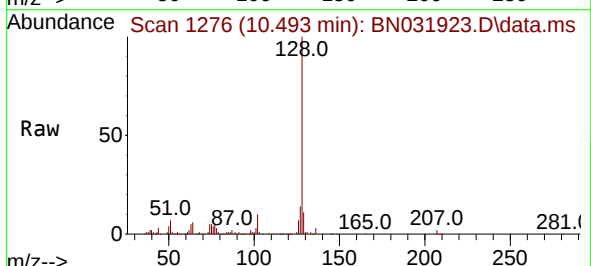
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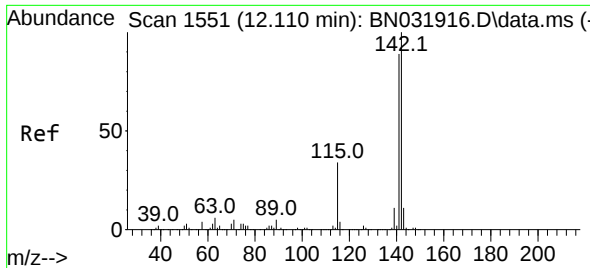
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#30
Naphthalene
Concen: 1.657 ng/ul
RT: 10.493 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

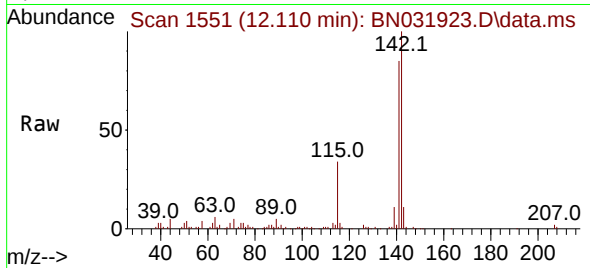
Tgt Ion:128 Resp: 123758
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.6 10.3 15.5





#36
2-Methylnaphthalene
Concen: 1.641 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

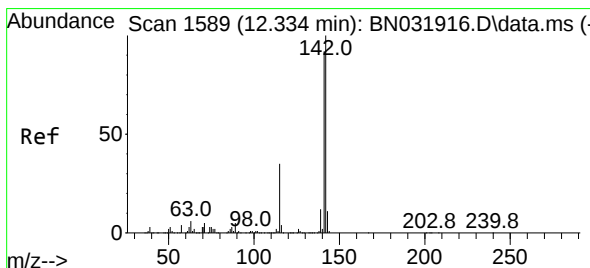
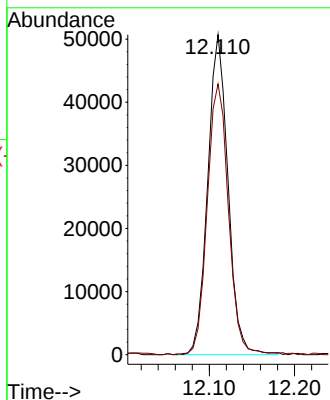
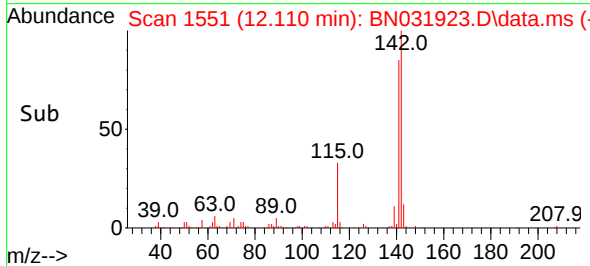
Instrument :
BNA_N
ClientSampleId :
BHC30



Tgt Ion:142 Resp: 83804
Ion Ratio Lower Upper
142 100
141 84.6 70.1 105.1

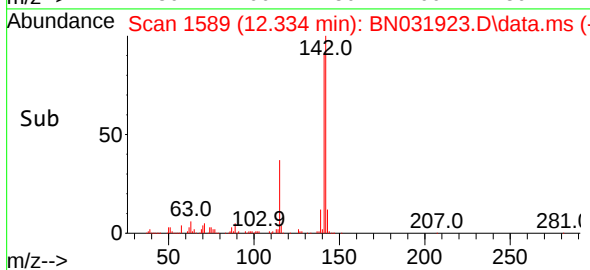
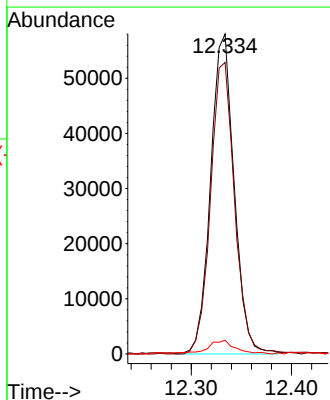
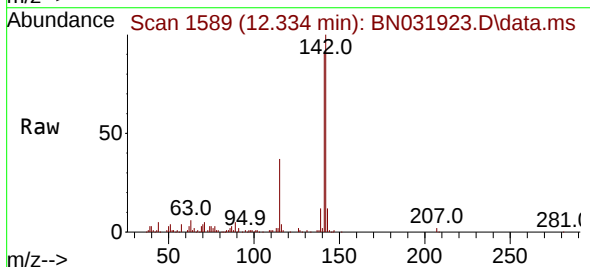
Manual Integrations
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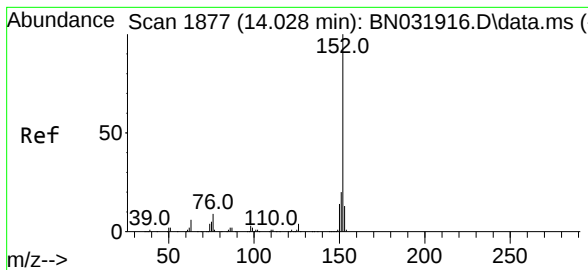
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#37
1-Methylnaphthalene
Concen: 1.848 ng/ul
RT: 12.334 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

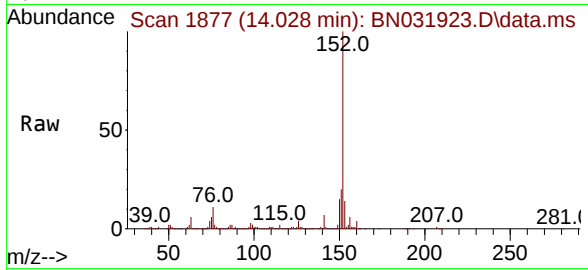
Tgt Ion:142 Resp: 94666
Ion Ratio Lower Upper
142 100
141 91.1 71.7 107.5
116 4.3 3.0 4.4





#50
Acenaphthylene
Concen: 5.366 ng/ul
RT: 14.028 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

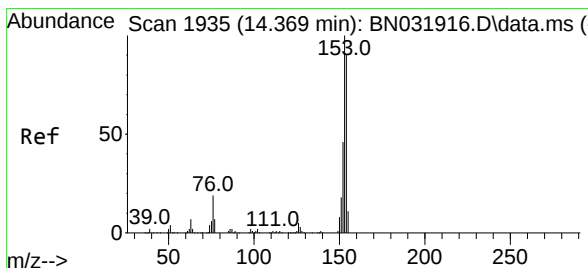
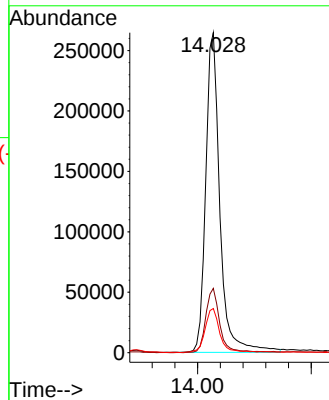
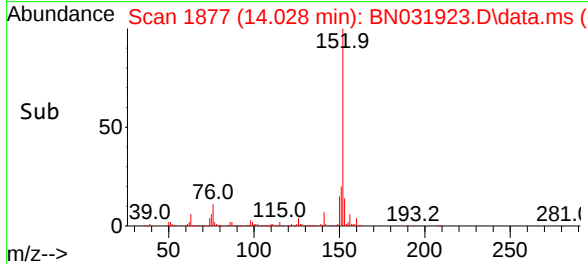
Instrument :
BNA_N
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BHC30



Tgt Ion:152 Resp: 454950
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.8 10.4 15.6

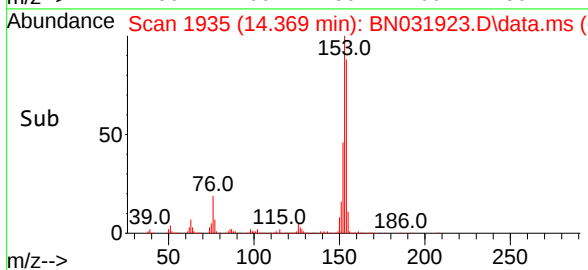
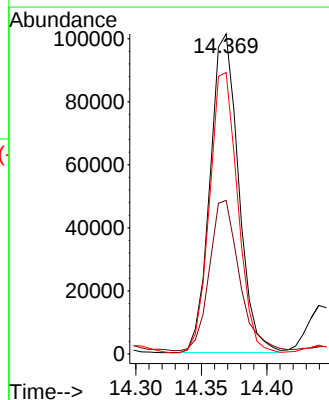
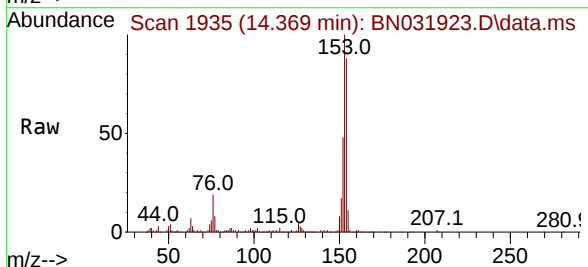
Manual Integrations
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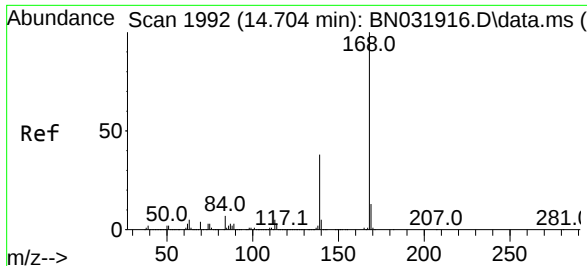
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#52
Acenaphthene
Concen: 2.725 ng/ul
RT: 14.369 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

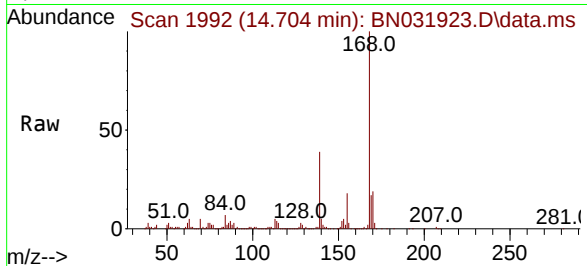
Tgt Ion:153 Resp: 152874
Ion Ratio Lower Upper
153 100
152 48.0 37.8 56.6
154 87.9 69.8 104.8





#56
Dibenzenofuran
Concen: 3.353 ng/ul
RT: 14.704 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

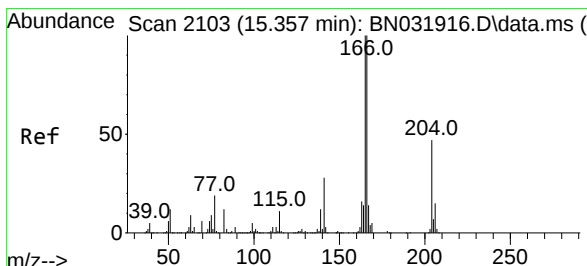
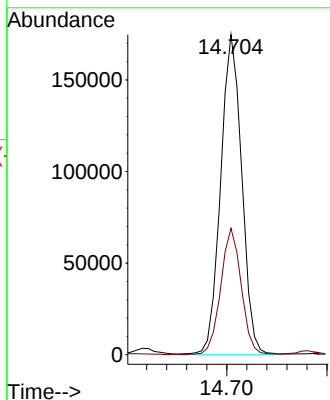
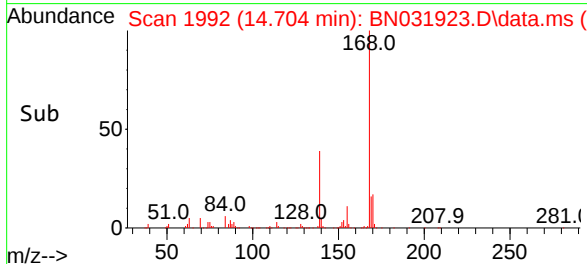
Instrument :
BNA_N
ClientSampleId :
BHC30



Tgt Ion:168 Resp: 255568
Ion Ratio Lower Upper
168 100
139 39.5 29.4 44.0

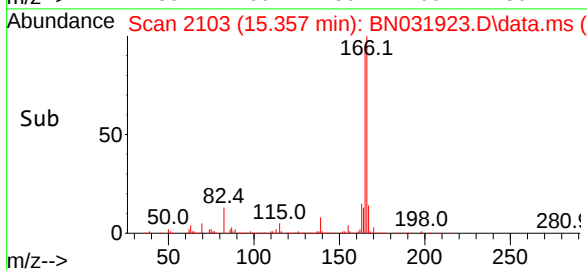
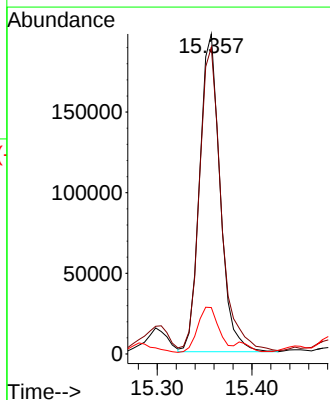
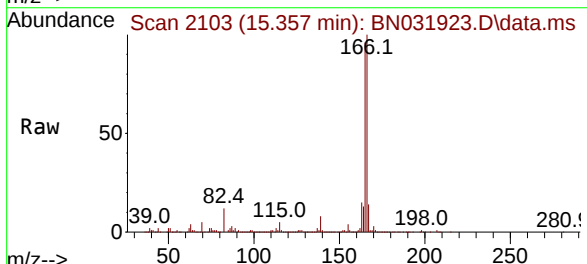
Manual Integrations
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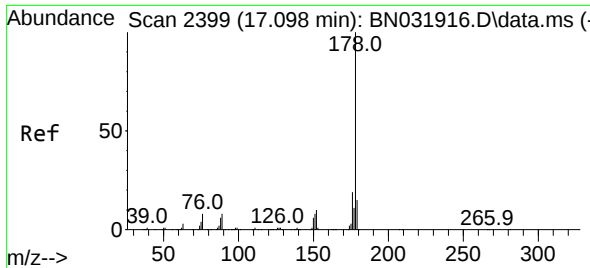
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#61
Fluorene
Concen: 4.791 ng/ul
RT: 15.357 min Scan# 2103
Delta R.T. 0.000 min
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Tgt Ion:166 Resp: 294010
Ion Ratio Lower Upper
166 100
165 95.8 80.3 120.5
167 14.5 11.3 16.9





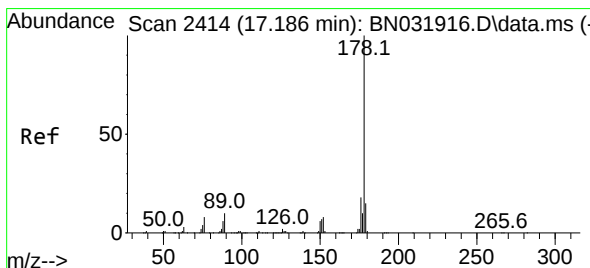
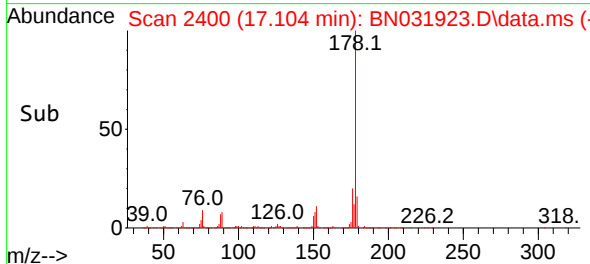
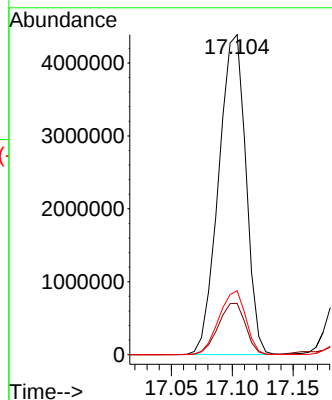
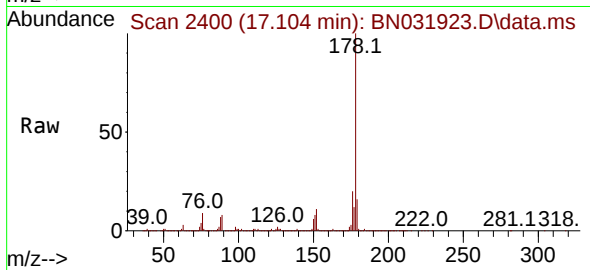
#72
Phenanthrene
Concen: 70.561 ng/u1
RT: 17.104 min Scan# 2400
Delta R.T. 0.006 min
Lab File: BN031923.D
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Tgt Ion:178 Resp: 6832210
Ion Ratio Lower Upper
178 100
179 16.0 12.6 19.0
176 20.0 15.8 23.6

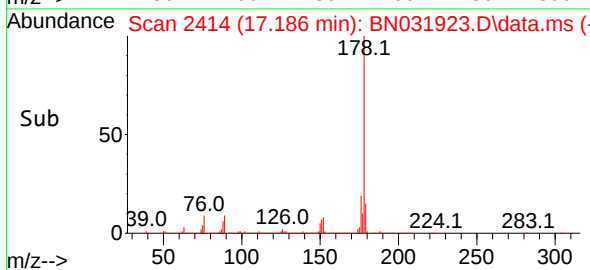
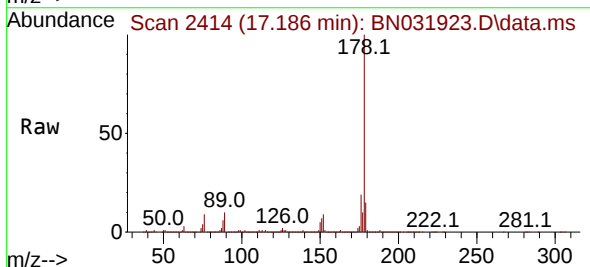
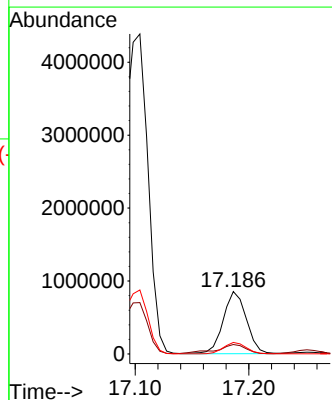
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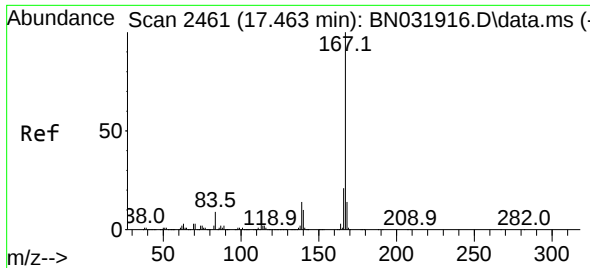
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#74
Anthracene
Concen: 12.325 ng/u1
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

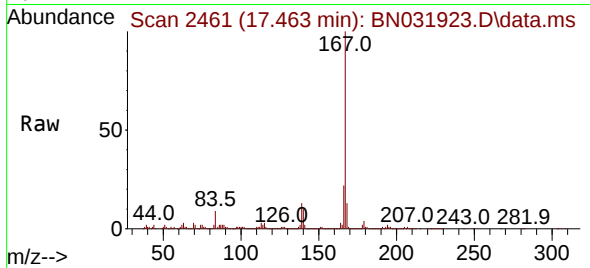
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Ion Ratio Lower Upper
178 100
179 15.0 11.8 17.6
176 18.6 14.8 22.2





#77
 Carbazole
 Concen: 6.027 ng/u1
 RT: 17.463 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: BN031923.D
 Acq: 11 Jun 2024 23:35

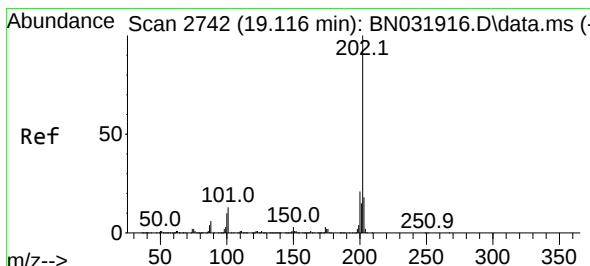
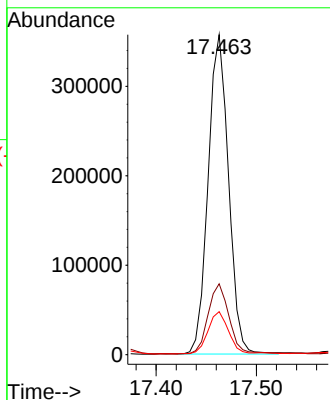
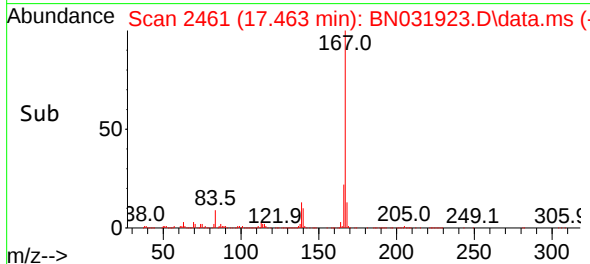
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Tgt Ion:167 Resp: 504192
 Ion Ratio Lower Upper
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 166 22.2 17.9 26.9
 139 13.5 10.5 15.7

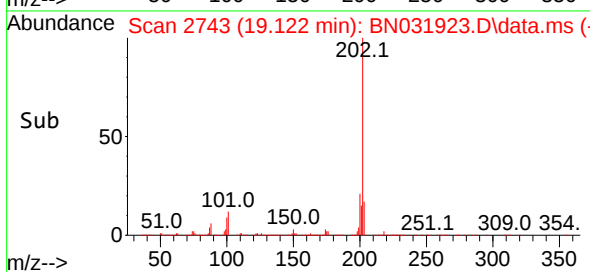
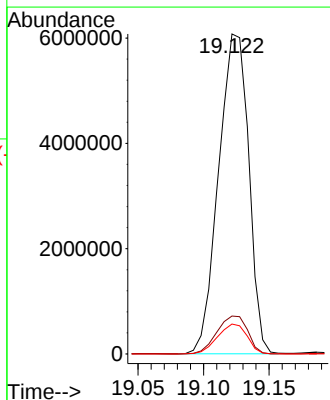
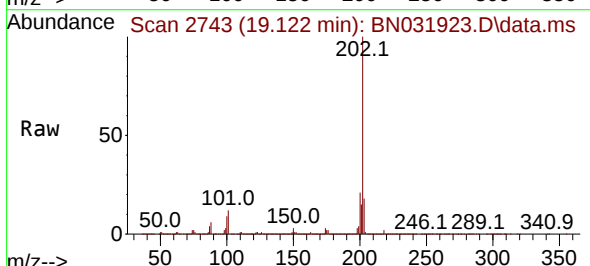
Manual Integrations
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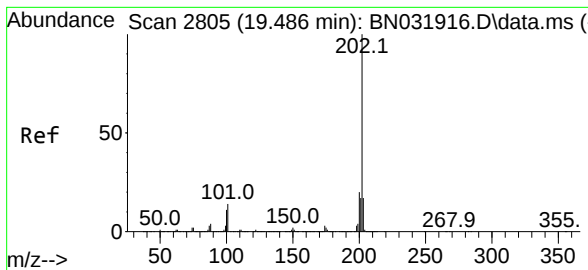
Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/14/2024



#80
 Fluoranthene
 Concen: 131.144 ng/u1
 RT: 19.122 min Scan# 2743
 Delta R.T. 0.006 min
 Lab File: BN031923.D
 Acq: 11 Jun 2024 23:35

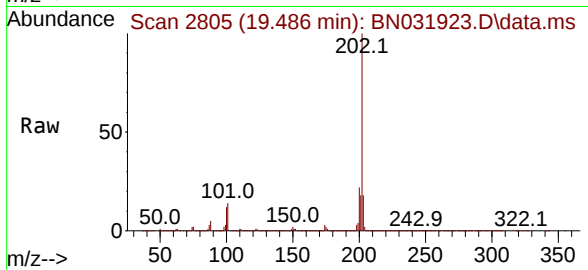
Tgt Ion:202 Resp: 9723475
 Ion Ratio Lower Upper
 202 100
 101 11.9 10.3 15.5
 100 9.3 8.0 12.0





#82
 Pyrene
 Concen: 94.663 ng/ul
 RT: 19.486 min Scan# 2805
 Delta R.T. 0.000 min
 Lab File: BN031923.D
 Acq: 11 Jun 2024 23:35

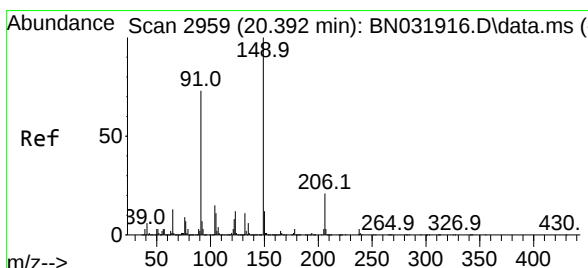
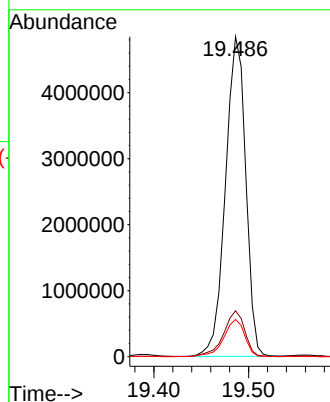
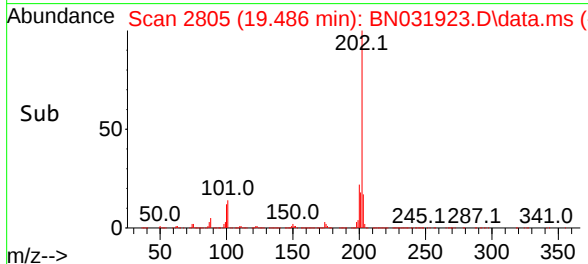
Instrument :
 BNA_N
 ClientSampleId :
 BHC30



Tgt Ion:202 Resp: 7201134
 Ion Ratio Lower Upper
 202 100
 101 14.3 12.6 18.8
 100 11.7 10.2 15.2

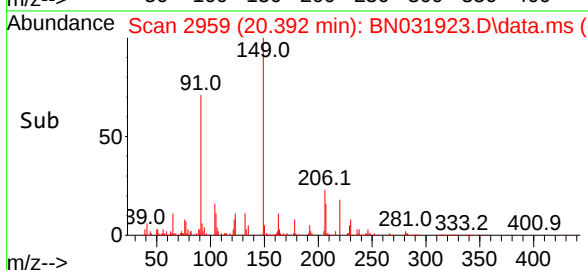
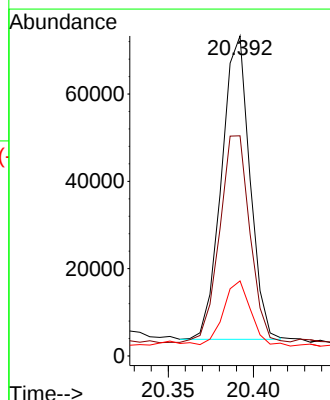
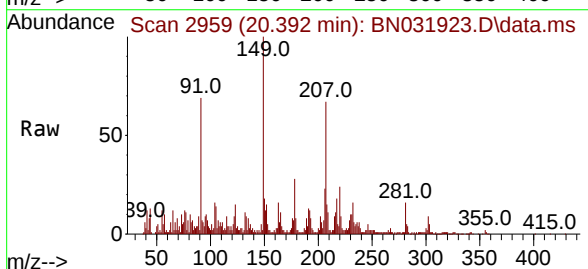
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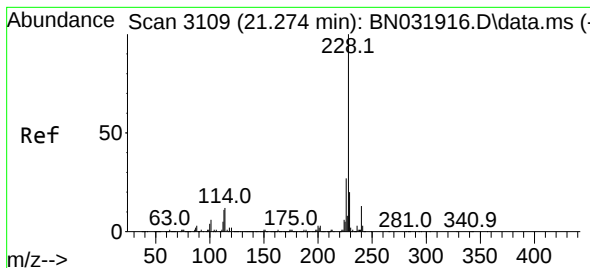
Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/14/2024



#83
 Butylbenzylphthalate
 Concen: 2.233 ng/ul
 RT: 20.392 min Scan# 2959
 Delta R.T. 0.000 min
 Lab File: BN031923.D
 Acq: 11 Jun 2024 23:35

Tgt Ion:149 Resp: 80242
 Ion Ratio Lower Upper
 149 100
 91 68.8 61.0 91.4
 206 23.5 16.5 24.7





#85

Benzo(a)anthracene

Concen: 47.924 ng/ul

RT: 21.274 min Scan# 3109

Delta R.T. 0.000 min

Lab File: BN031923.D

Acq: 11 Jun 2024 23:35

Instrument :

BNA_N

ClientSampleId :

BHC30

Tgt Ion:228 Resp: 371891

Ion Ratio Lower Upper

228 100

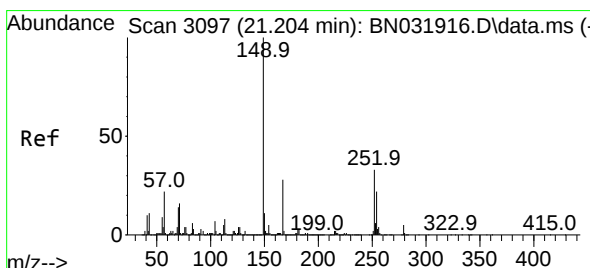
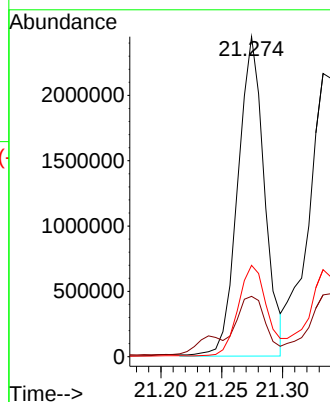
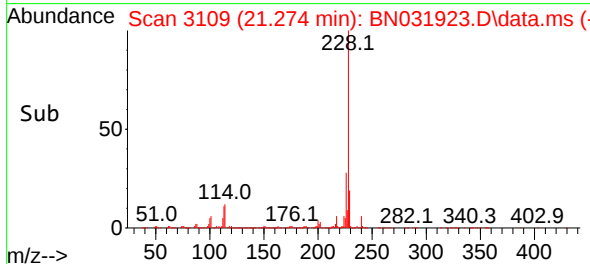
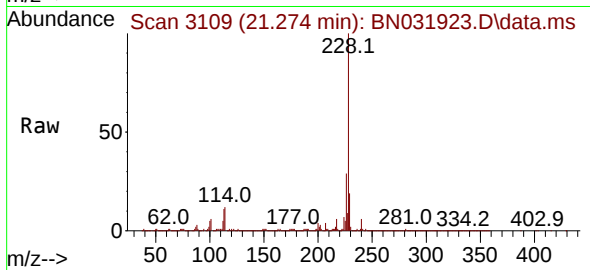
229 18.9 16.7 25.1

226 28.6 22.8 34.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 5.988 ng/ul

RT: 21.198 min Scan# 3096

Delta R.T. -0.006 min

Lab File: BN031923.D

Acq: 11 Jun 2024 23:35

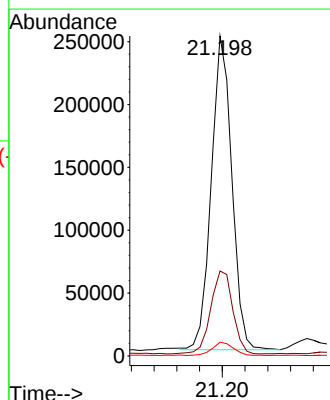
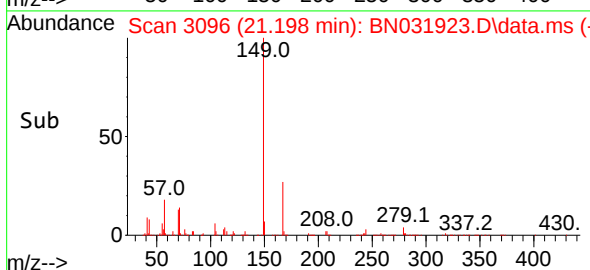
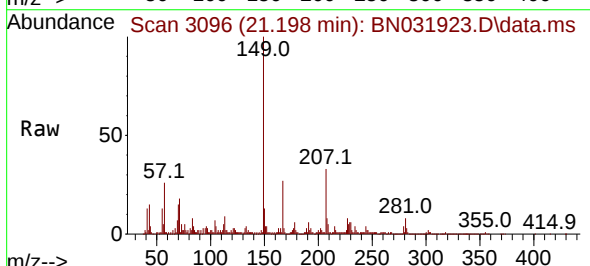
Tgt Ion:149 Resp: 313597

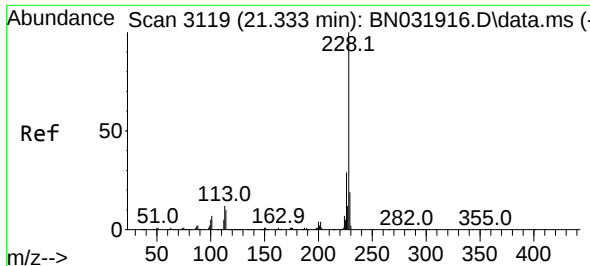
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

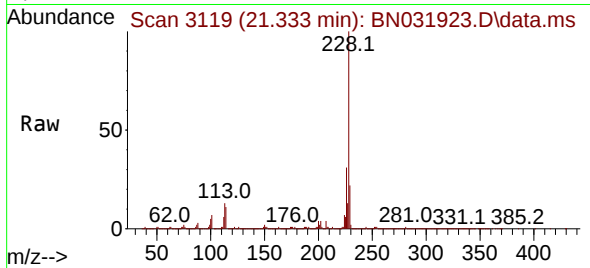
279 4.3 3.3 4.9





#87
Chrysene
Concen: 51.900 ng/u1
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

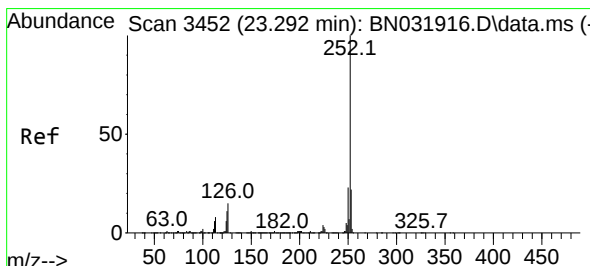
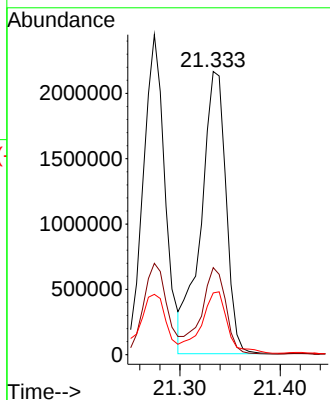
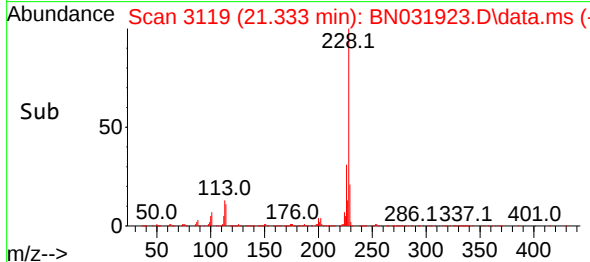
Instrument :
BNA_N
ClientSampleId :
BHC30



Tgt Ion:228 Resp: 3761979
Ion Ratio Lower Upper
228 100
226 30.7 23.7 35.5
229 21.8 15.1 22.7

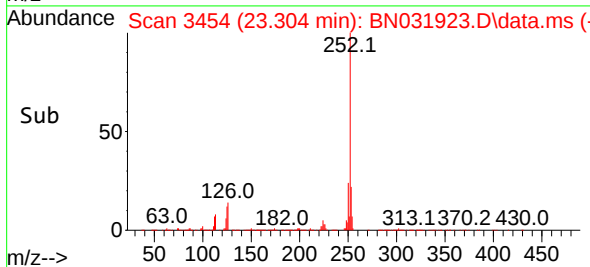
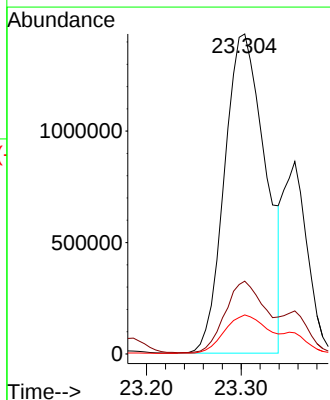
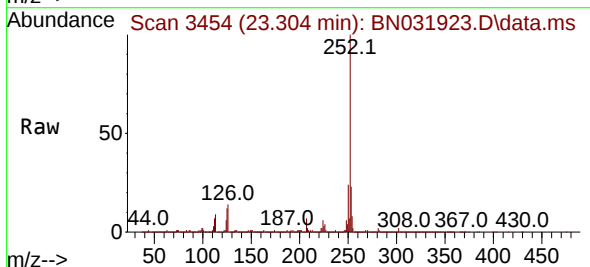
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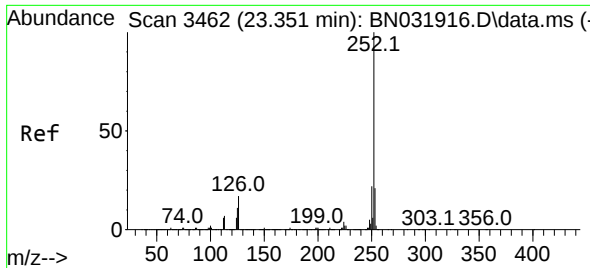
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#90
Benzo(b)fluoranthene
Concen: 57.485 ng/u1
RT: 23.304 min Scan# 3454
Delta R.T. 0.012 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

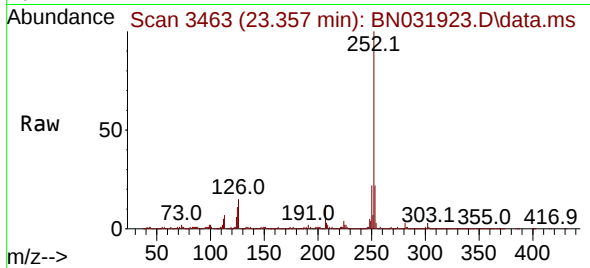
Tgt Ion:252 Resp: 4300747
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 12.2 9.2 13.8





#91
Benzo(k)fluoranthene
Concen: 20.629 ng/ul m
RT: 23.357 min Scan# 3462
Delta R.T. 0.006 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

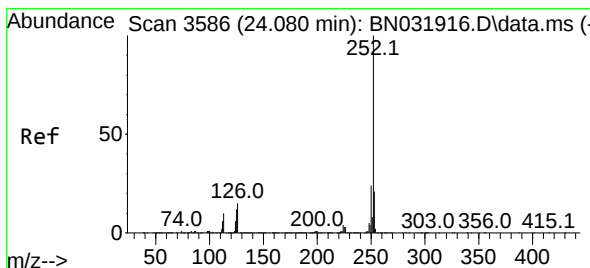
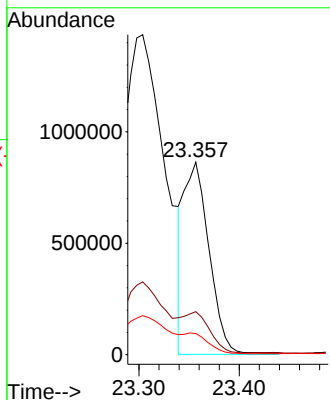
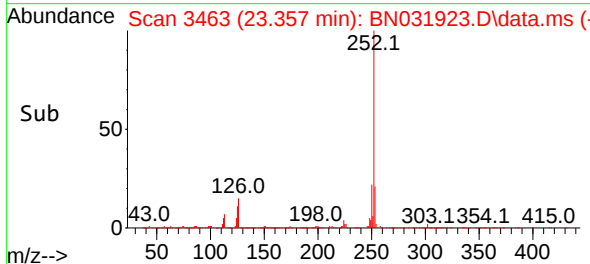
Instrument :
BNA_N
ClientSampleId :
BHC30



Tgt Ion:252 Resp: 1514418
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.9 9.4 14.2

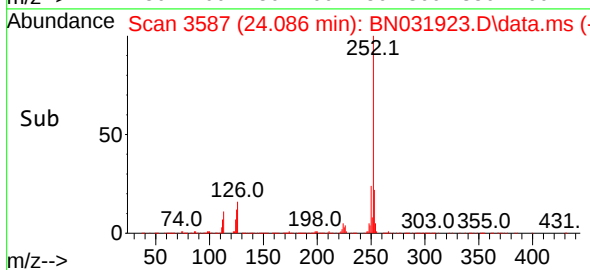
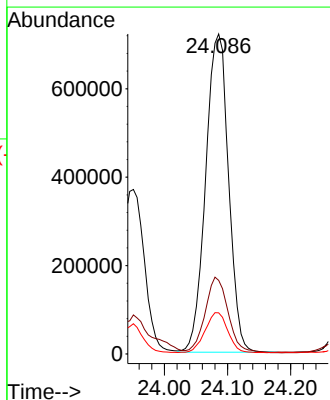
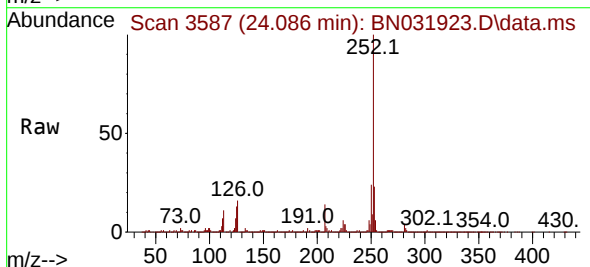
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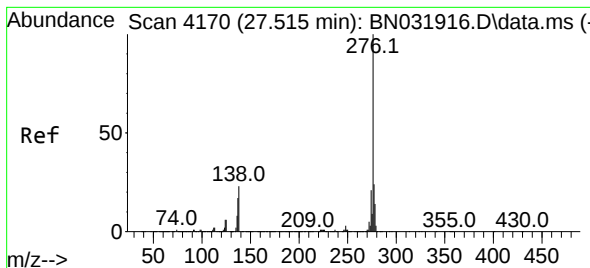
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#93
Benzo(a)pyrene
Concen: 25.910 ng/ul
RT: 24.086 min Scan# 3587
Delta R.T. 0.006 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

Tgt Ion:252 Resp: 1815568
Ion Ratio Lower Upper
252 100
253 23.0 16.6 24.8
125 12.9 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 20.156 ng/ul m

RT: 27.521 min Scan# 4171

Delta R.T. 0.006 min

Lab File: BN031923.D

Acq: 11 Jun 2024 23:35

Instrument :

BNA_N

ClientSampleId :

BHC30

Tgt Ion:276 Resp: 1627514

Ion Ratio Lower Upper

276 100

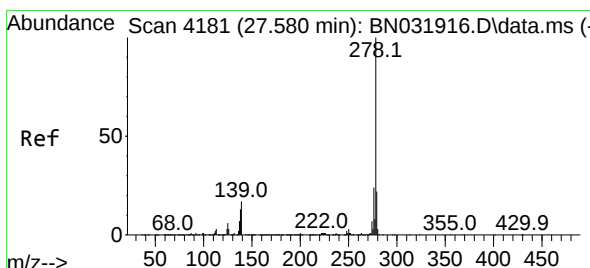
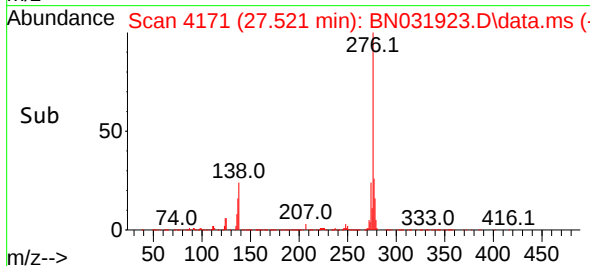
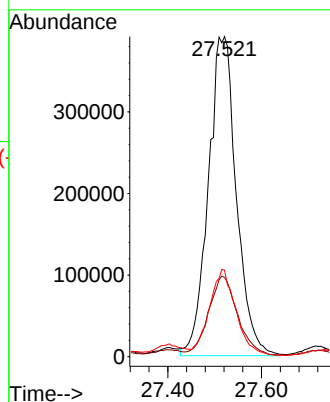
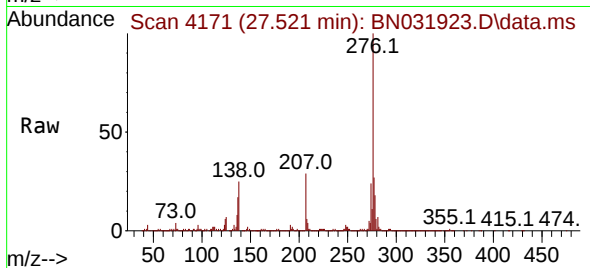
138 24.7 18.1 27.1

277 27.1 18.2 27.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#95

Dibenzo(a,h)anthracene

Concen: 8.013 ng/ul

RT: 27.551 min Scan# 4176

Delta R.T. -0.029 min

Lab File: BN031923.D

Acq: 11 Jun 2024 23:35

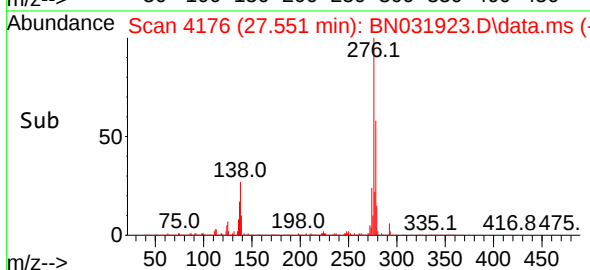
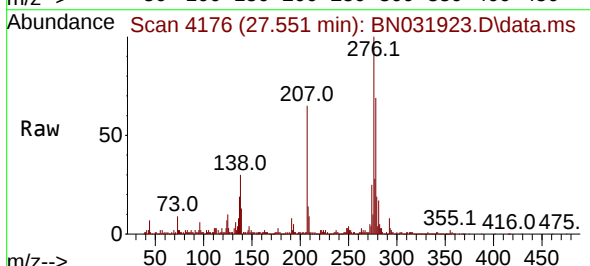
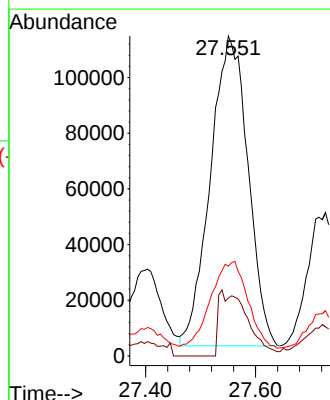
Tgt Ion:278 Resp: 528236

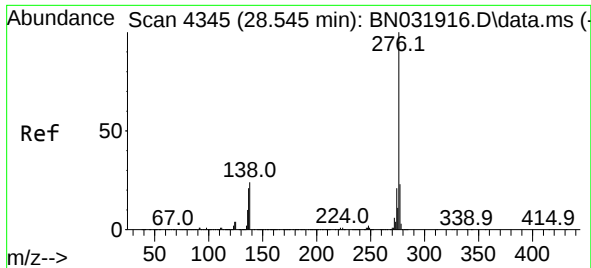
Ion Ratio Lower Upper

278 100

139 18.1 15.0 22.6

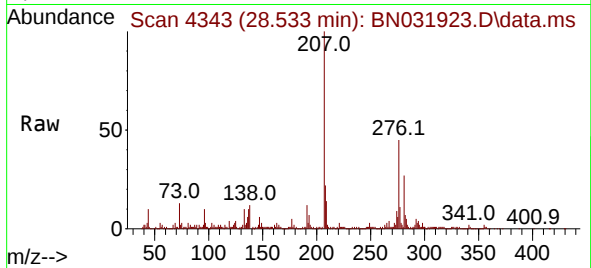
279 28.0 17.4 26.0#





#96
Benzo(g,h,i)perylene
Concen: 3.487 ng/ul m
RT: 28.533 min Scan# 4343
Delta R.T. -0.012 min
Lab File: BN031923.D
Acq: 11 Jun 2024 23:35

Instrument :
BNA_N
ClientSampleId :
BHC30



Tgt Ion:276 Resp: 223815
Ion Ratio Lower Upper
276 100
138 25.7 20.9 31.3
277 24.8 18.0 27.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024

