

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031951.D
 Acq On : 12 Jun 2024 21:18
 Operator : MA/JU
 Sample : P2678-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH688

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/14/2024

Quant Time: Jun 12 23:44:11 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	459039	20.000	ng/u1	0.00
20) Naphthalene-d8	10.446	136	1963334	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	1152256	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.057	188	1951018	20.000	ng/u1	0.00
79) Chrysene-d12	21.292	240	1208414	20.000	ng/u1	0.00
88) Perylene-d12	24.227	264	1484735	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	40700	3.668	ng/uL	0.00
4) Pyridine-d5	3.587	84	204775	6.556	ng/u1	0.00
7) Phenol-d5	6.840	99	940432	23.898	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	522547	22.701	ng/u1	0.00
11) 2-Chlorophenol-d4	7.193	132	774797	25.804	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	726039	22.633	ng/u1	0.00
21) Nitrobenzene-d5	8.816	128	393410	26.207	ng/u1	0.00
24) 2-Nitrophenol-d4	9.534	143	429898	27.723	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	746299	25.779	ng/u1	0.00
31) 4-Chloroaniline-d4	10.587	131	517570	12.041	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	2135583	26.604	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	2460254	26.654	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	292791	18.217	ng/u1	0.00
60) Fluorene-d10	15.304	176	1701579	25.052	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.433	200	179023	18.255	ng/u1	0.00
73) Anthracene-d10	17.151	188	2189154	26.209	ng/u1	0.00
81) Pyrene-d10	19.457	212	1766746	27.322	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.021	264	1363455	19.232	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.481	105	107175m	2.205	ng/u1	
30) Naphthalene	10.493	128	204756	2.015	ng/u1	97
36) 2-Methylnaphthalene	12.110	142	174595	2.514	ng/u1	100
37) 1-Methylnaphthalene	12.334	142	128083	1.838	ng/u1	95
50) Acenaphthylene	14.028	152	294031	2.819	ng/u1	98
52) Acenaphthene	14.369	153	79452	1.151	ng/u1	98
61) Fluorene	15.357	166	97984	1.298	ng/u1#	96
72) Phenanthrene	17.098	178	1980360	19.926	ng/u1	99
74) Anthracene	17.186	178	446822	4.437	ng/u1	99
77) Carbazole	17.463	167	207279	2.414	ng/u1	97
80) Fluoranthene	19.122	202	3337859	43.191	ng/u1	98
82) Pyrene	19.486	202	2523313	31.824	ng/u1	96
83) Butylbenzylphthalate	20.392	149	109692	2.929	ng/u1	90
85) Benzo(a)anthracene	21.274	228	1600073	19.782	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.198	149	257031	4.708	ng/u1	98
87) Chrysene	21.333	228	1712436	22.666	ng/u1	96
90) Benzo(b)fluoranthene	23.298	252	2509595	28.278	ng/u1	99
91) Benzo(k)fluoranthene	23.357	252	912844m	10.482	ng/u1	
93) Benzo(a)pyrene	24.086	252	1052815	12.666	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.521	276	1087495	11.354	ng/u1	98
95) Dibenzo(a,h)anthracene	27.556	278	357934	4.577	ng/u1#	91
96) Benzo(g,h,i)perylene	28.550	276	163176m	2.143	ng/u1	

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

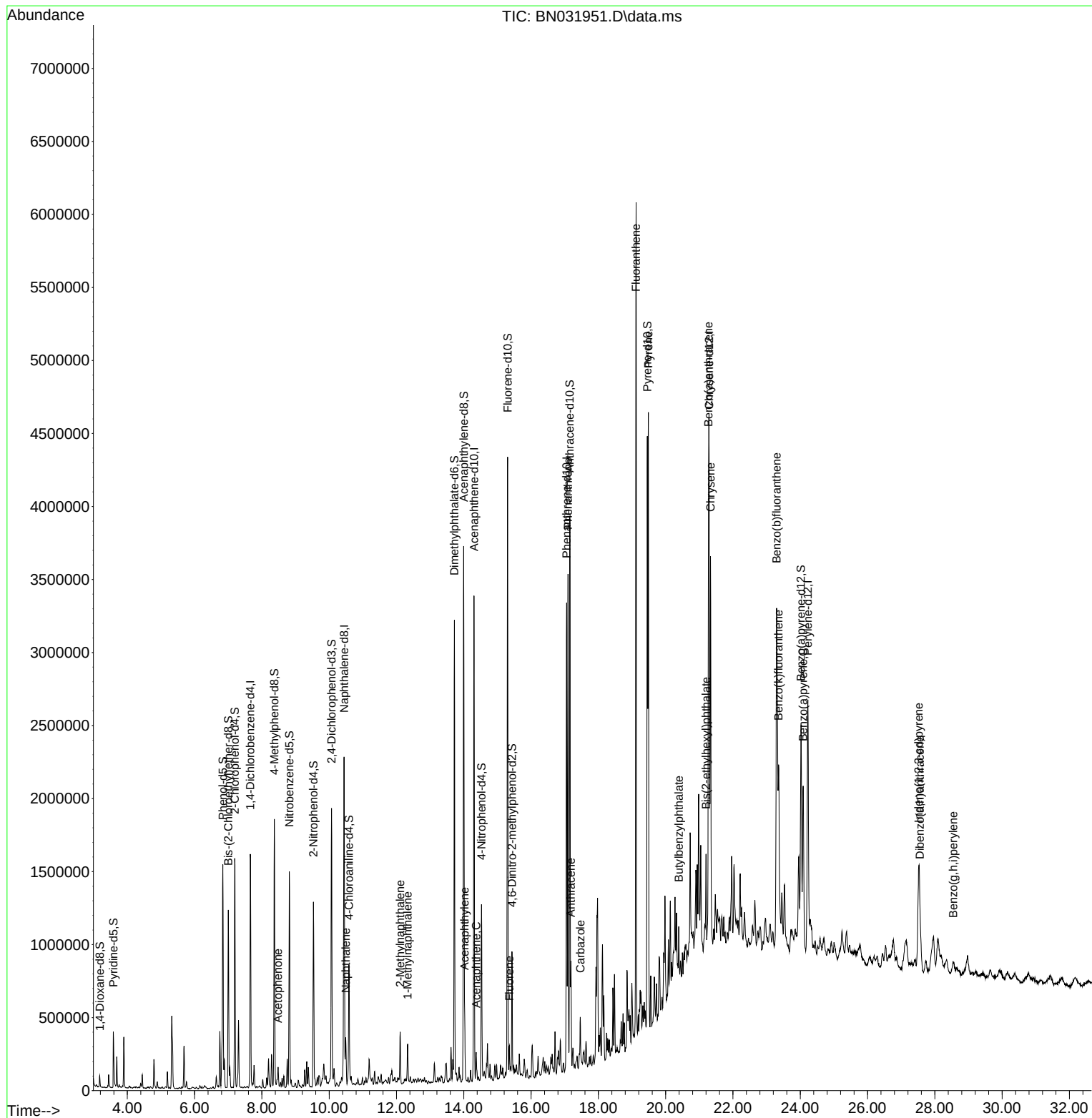
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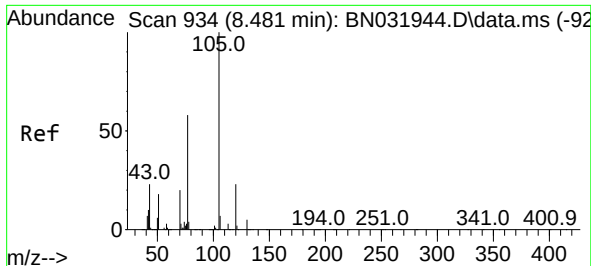
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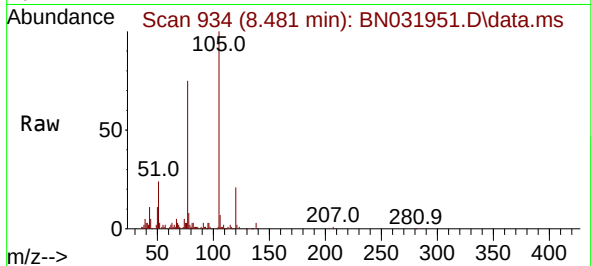
Quant Time: Jun 12 23:44:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
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#16
Acetophenone
Concen: 2.205 ng/ul m
RT: 8.481 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

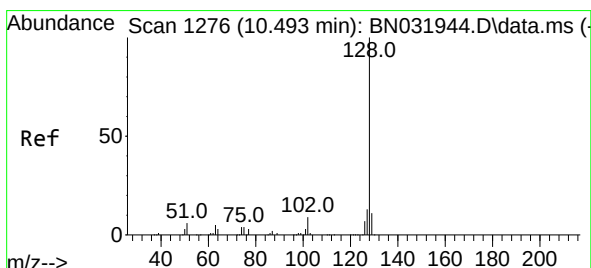
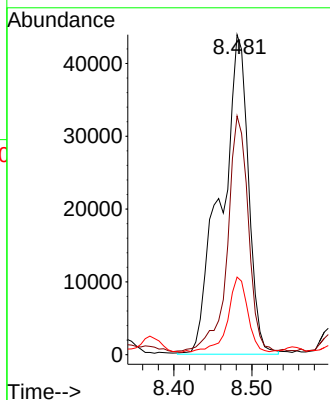
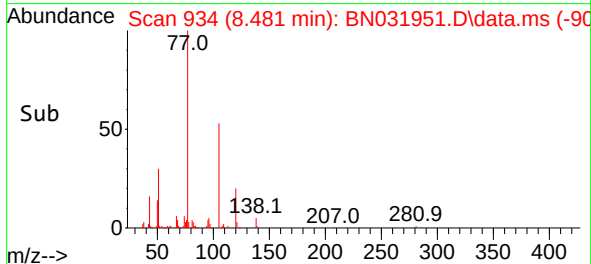
Instrument :
BNA_N
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BH688



Tgt Ion:105 Resp: 10717
Ion Ratio Lower Upper
105 100
77 74.6 58.6 87.8
51 24.3 17.2 25.8

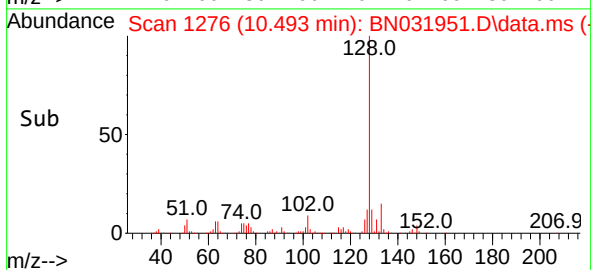
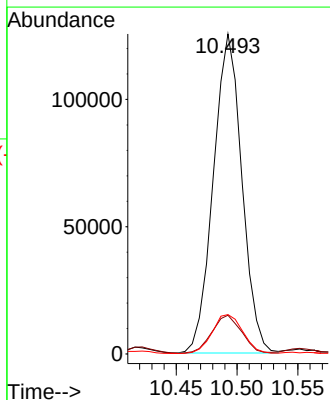
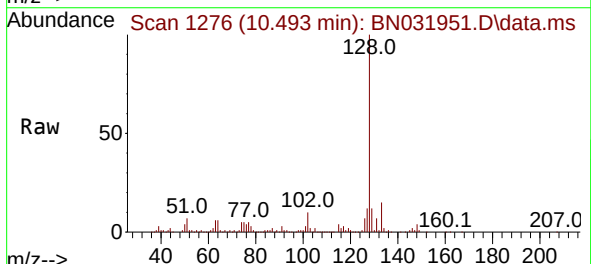
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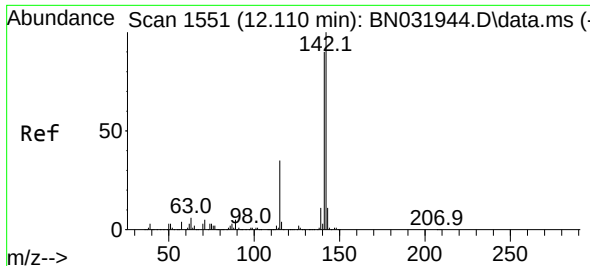
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#30
Naphthalene
Concen: 2.015 ng/ul
RT: 10.493 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

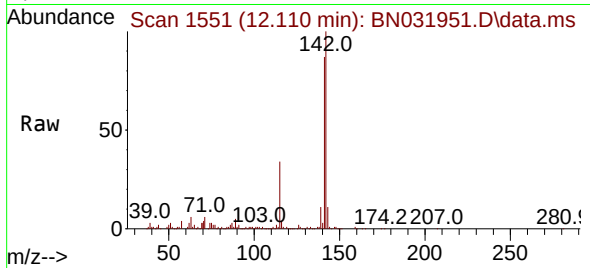
Tgt Ion:128 Resp: 204756
Ion Ratio Lower Upper
128 100
129 12.1 8.5 12.7
127 12.3 10.3 15.5





#36
2-Methylnaphthalene
Concen: 2.514 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

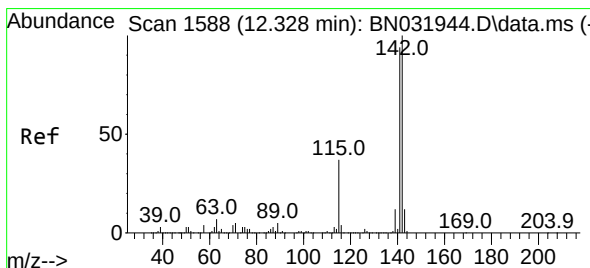
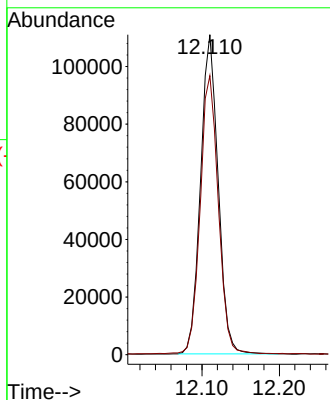
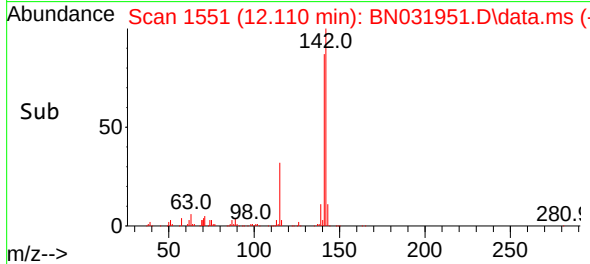
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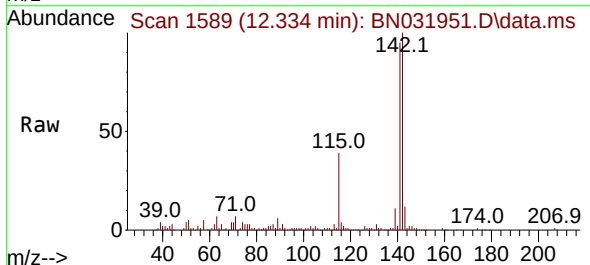
Tgt Ion:142 Resp: 17459
Ion Ratio Lower Upper
142 100
141 87.2 70.1 105.1

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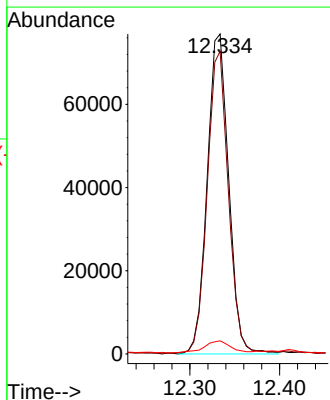
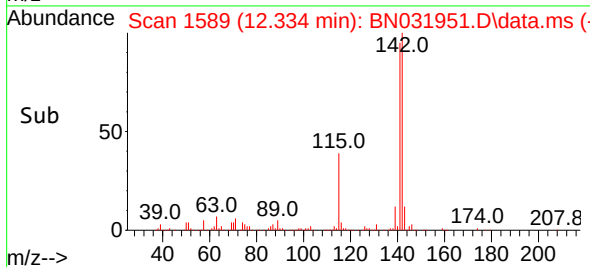
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024

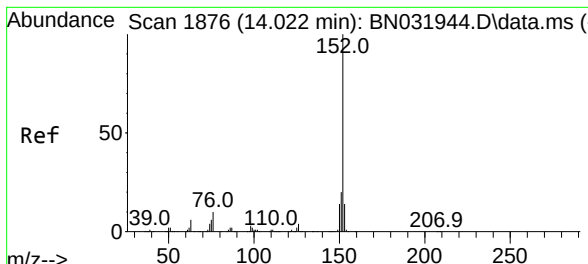


#37
1-Methylnaphthalene
Concen: 1.838 ng/ul
RT: 12.334 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18



Tgt Ion:142 Resp: 128083
Ion Ratio Lower Upper
142 100
141 94.6 71.7 107.5
116 4.1 3.0 4.4





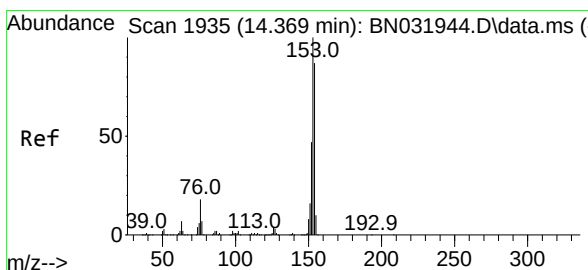
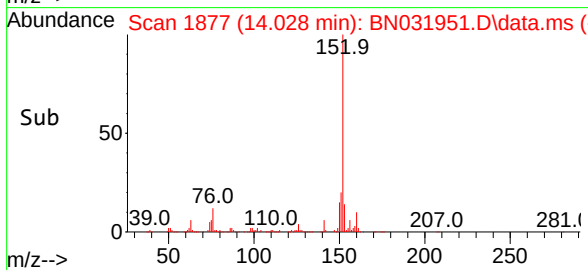
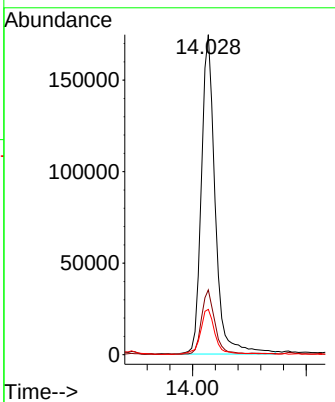
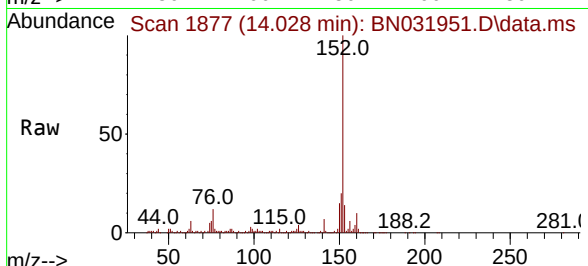
#50
 Acenaphthylene
 Concen: 2.819 ng/ul
 RT: 14.028 min Scan# 1877
 Delta R.T. 0.000 min
 Lab File: BN031951.D
 Acq: 12 Jun 2024 21:18

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Tgt Ion:152	Resp: 29403
Ion Ratio	Lower Upper
152 100	
151 20.3	15.9 23.9
153 14.1	10.4 15.6

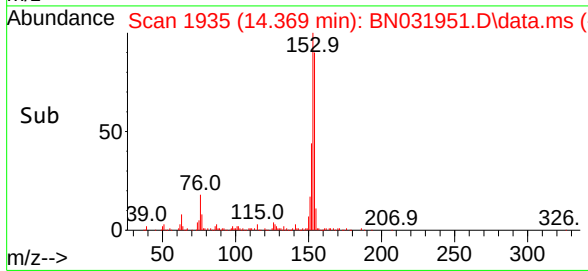
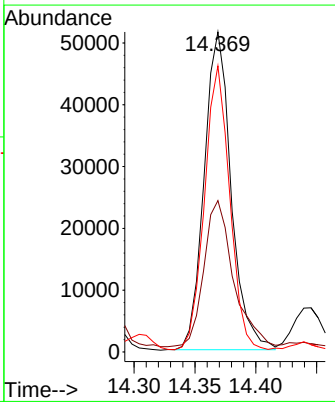
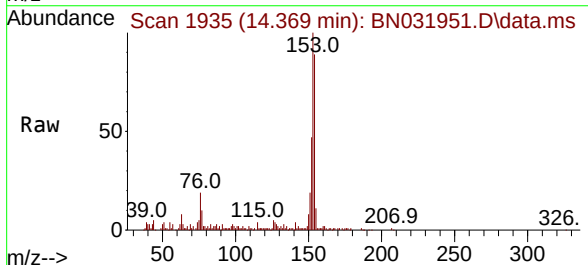
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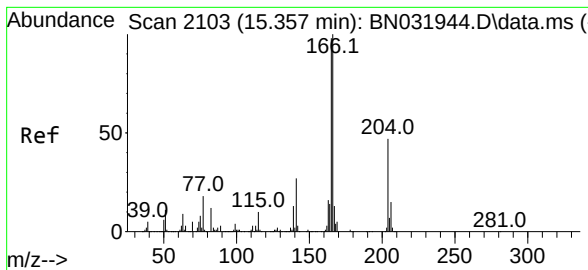
Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/14/2024



#52
 Acenaphthene
 Concen: 1.151 ng/ul
 RT: 14.369 min Scan# 1935
 Delta R.T. 0.000 min
 Lab File: BN031951.D
 Acq: 12 Jun 2024 21:18

Tgt Ion:153	Resp: 79452
Ion Ratio	Lower Upper
153 100	
152 47.3	37.8 56.6
154 89.4	69.8 104.8





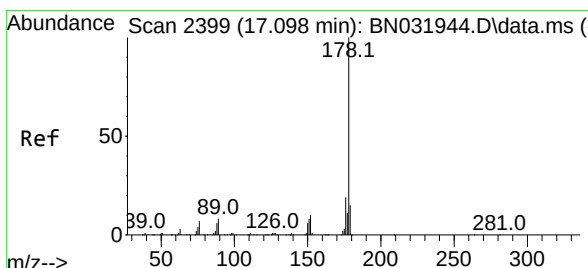
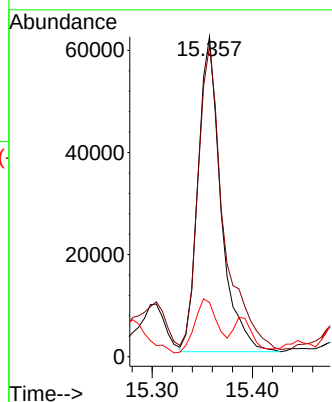
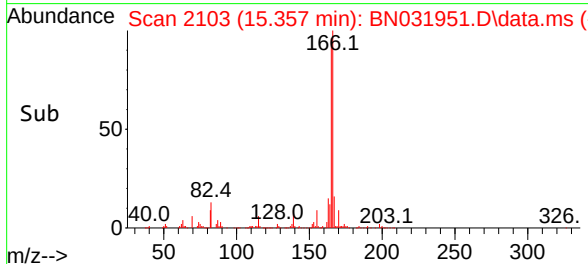
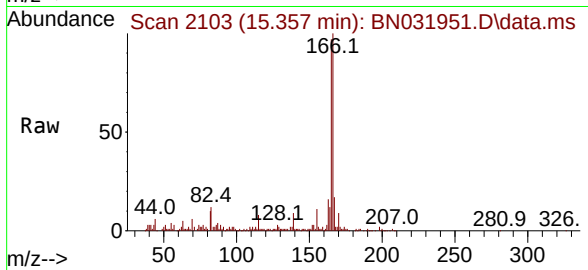
#61
Fluorene
Concen: 1.298 ng/ul
RT: 15.357 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

Instrument :
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Tgt Ion:166 Resp: 97984
Ion Ratio Lower Upper
166 100
165 97.3 80.3 120.5
167 17.0 11.3 16.9

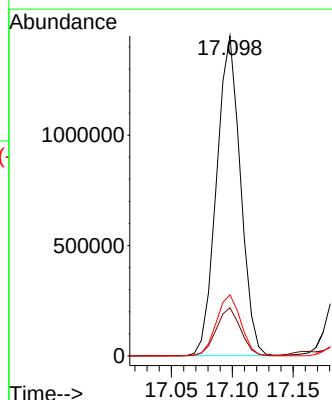
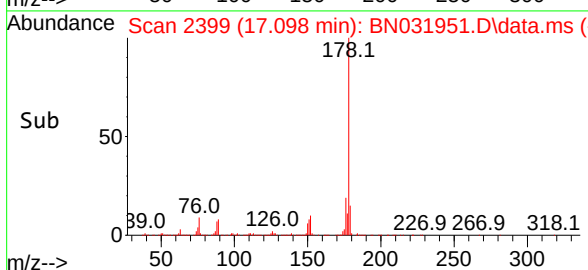
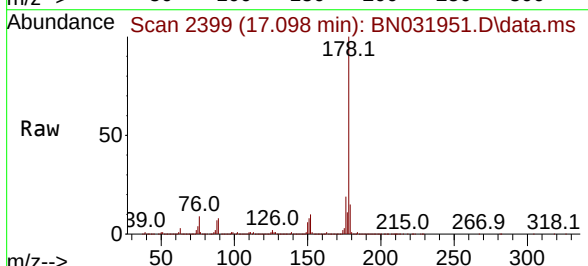
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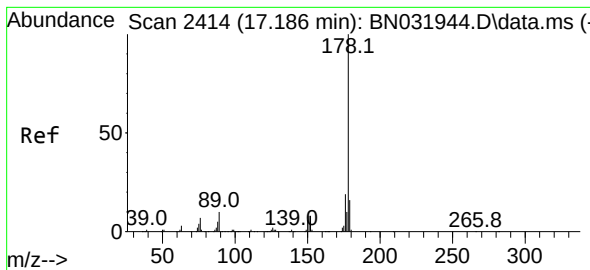
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#72
Phenanthrene
Concen: 19.926 ng/ul
RT: 17.098 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

Tgt Ion:178 Resp: 1980360
Ion Ratio Lower Upper
178 100
179 15.1 12.6 19.0
176 19.1 15.8 23.6





#74

Anthracene

Concen: 4.437 ng/ul

RT: 17.186 min Scan# 2414

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_N

ClientSampleId :

BH688

Tgt Ion:178 Resp: 44682

Ion Ratio Lower Upper

178 100

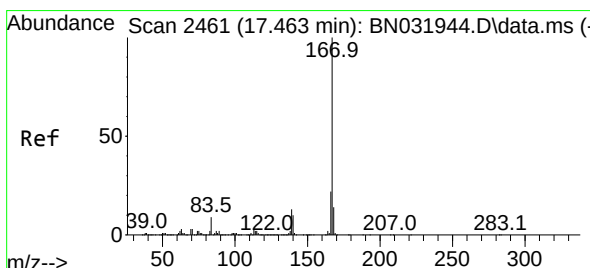
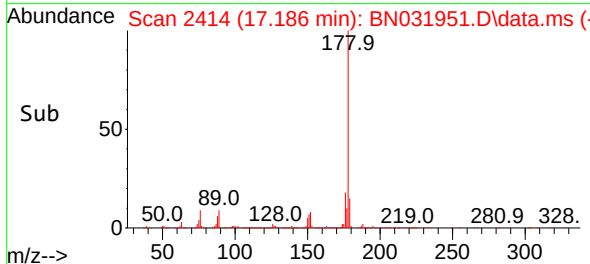
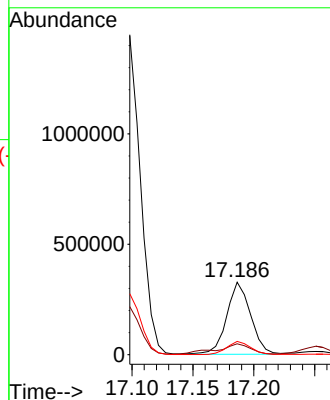
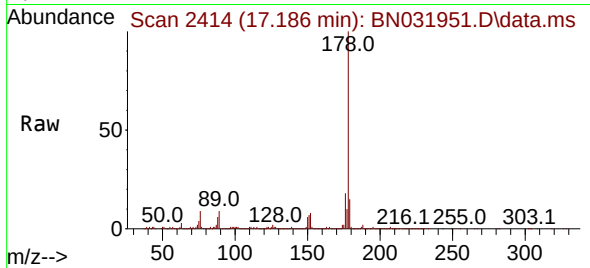
179 15.1 11.8 17.6

176 18.3 14.8 22.2

Manual Integrations

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#77

Carbazole

Concen: 2.414 ng/ul

RT: 17.463 min Scan# 2461

Delta R.T. 0.000 min

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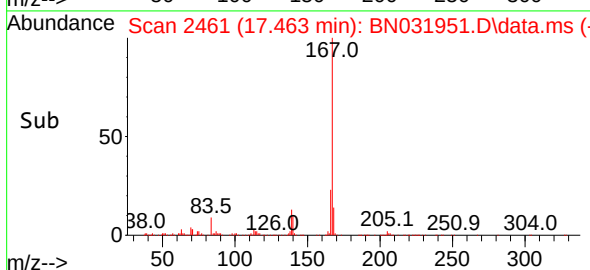
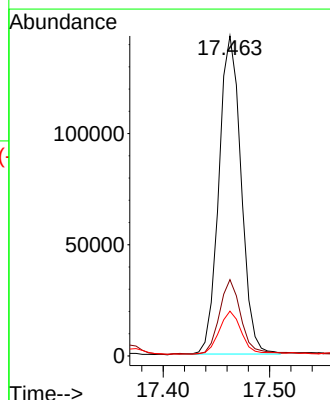
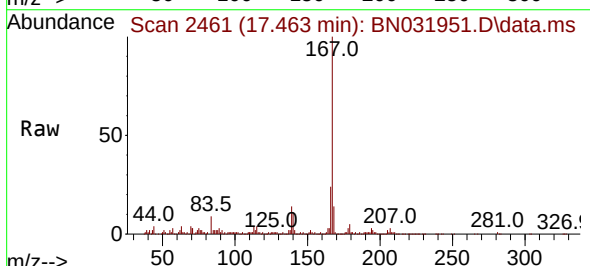
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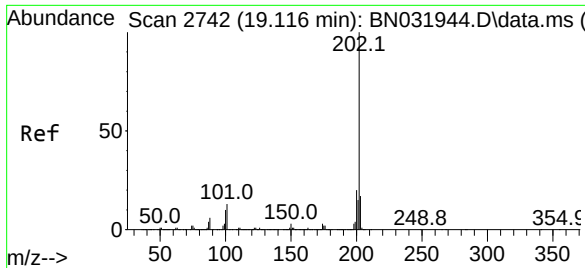
Ion Ratio Lower Upper

167 100

166 23.9 17.9 26.9

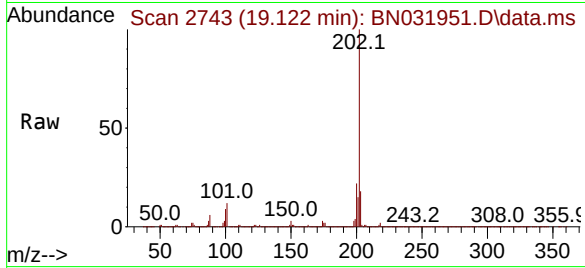
139 14.0 10.5 15.7





#80
Fluoranthene
Concen: 43.191 ng/u1
RT: 19.122 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

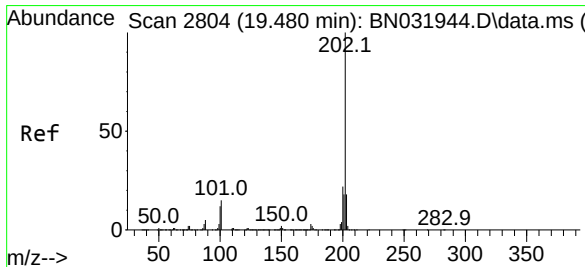
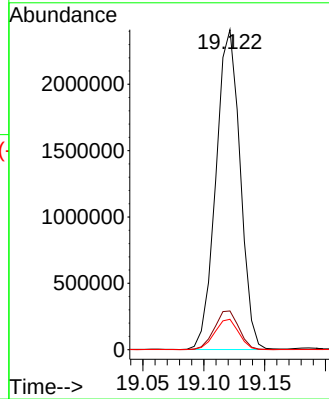
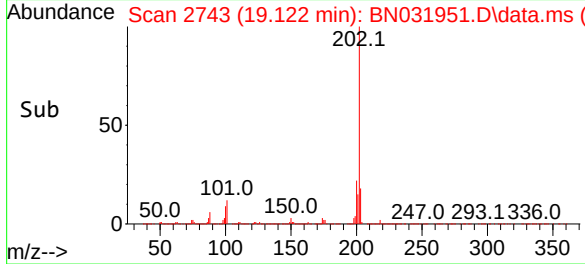
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Tgt Ion:202 Resp: 3337859
Ion Ratio Lower Upper
202 100
101 12.1 10.3 15.5
100 9.5 8.0 12.0

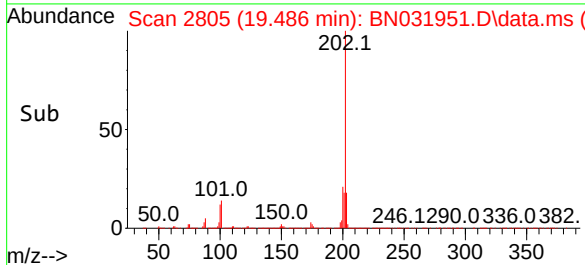
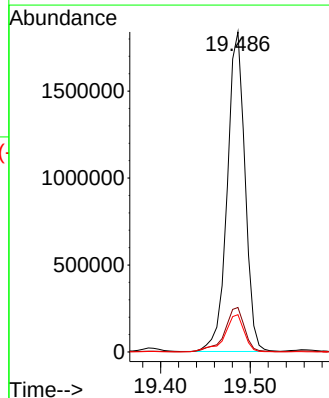
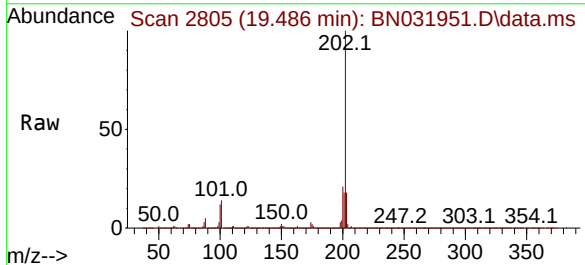
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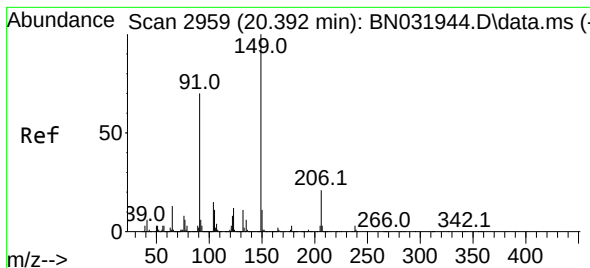
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#82
Pyrene
Concen: 31.824 ng/u1
RT: 19.486 min Scan# 2805
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

Tgt Ion:202 Resp: 2523313
Ion Ratio Lower Upper
202 100
101 13.9 12.6 18.8
100 11.7 10.2 15.2





#83

Butylbenzylphthalate

Concen: 2.929 ng/ul

RT: 20.392 min Scan# 2959

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_N

ClientSampleId :

BH688

Tgt Ion:149 Resp: 109692

Ion Ratio Lower Upper

149 100

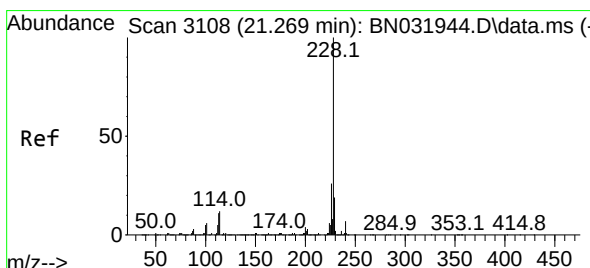
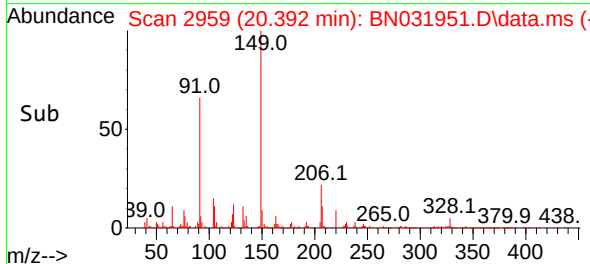
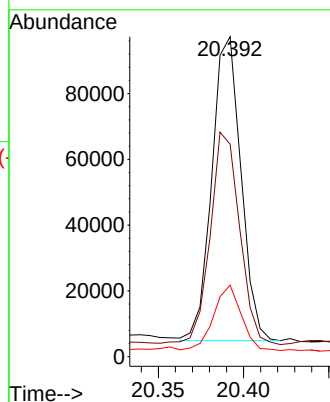
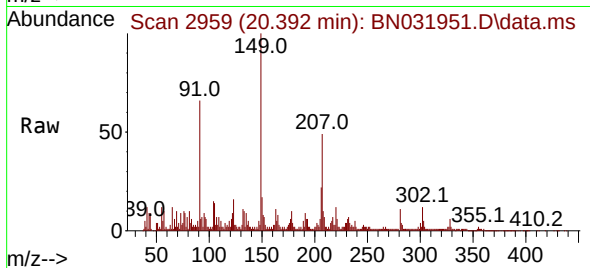
91 66.4 61.0 91.4

206 22.3 16.5 24.7

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Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#85

Benzo(a)anthracene

Concen: 19.782 ng/ul

RT: 21.274 min Scan# 3109

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

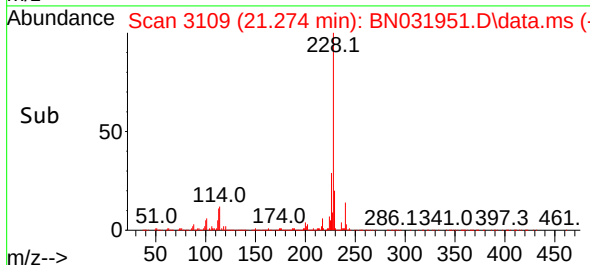
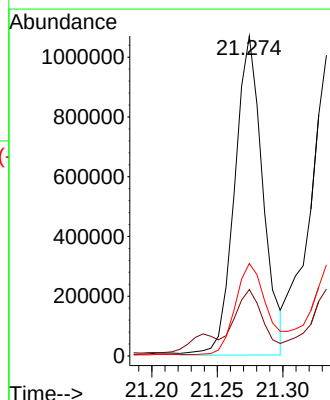
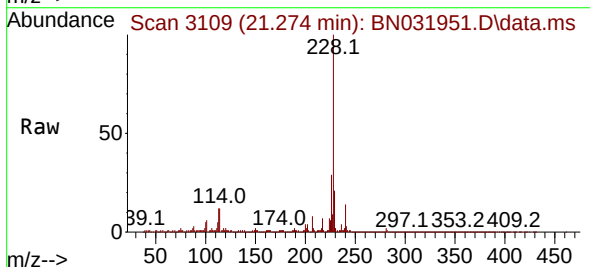
Tgt Ion:228 Resp: 1600073

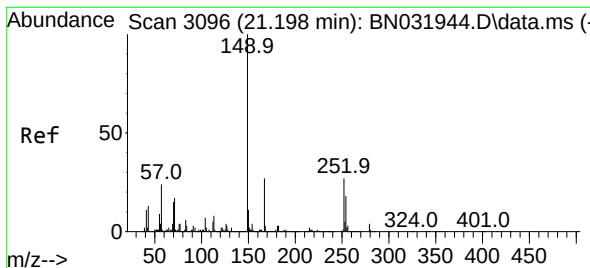
Ion Ratio Lower Upper

228 100

229 20.7 16.7 25.1

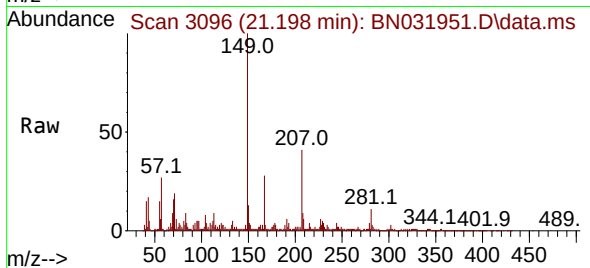
226 28.9 22.8 34.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 4.708 ng/ul
RT: 21.198 min Scan# 3096
Delta R.T. -0.006 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

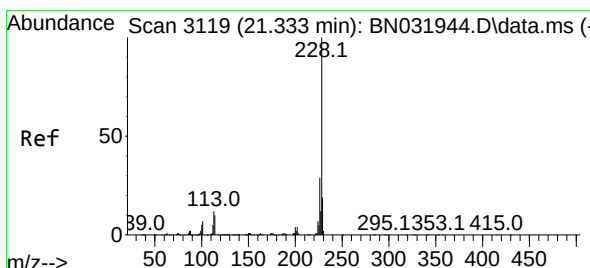
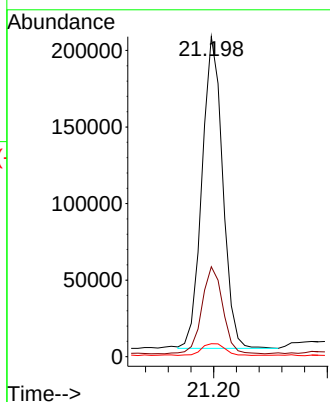
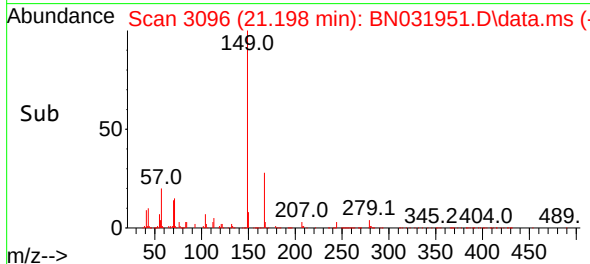
Instrument :
BNA_N
ClientSampleId :
BH688



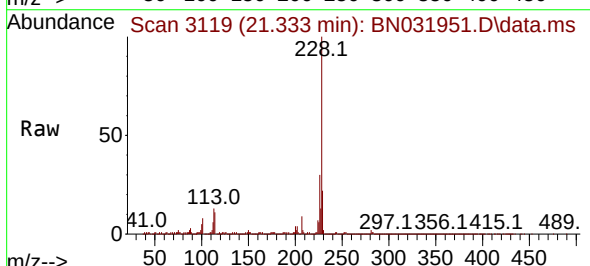
Tgt Ion:149 Resp: 25703
Ion Ratio Lower Upper
149 100
167 28.1 21.4 32.0
279 4.1 3.3 4.9

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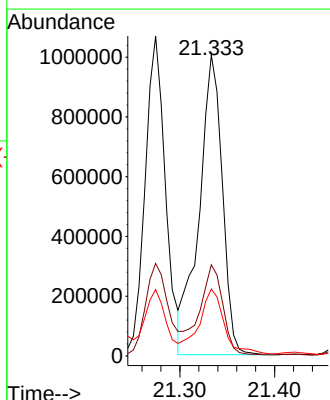
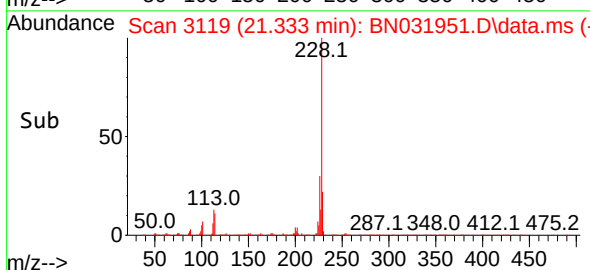
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024

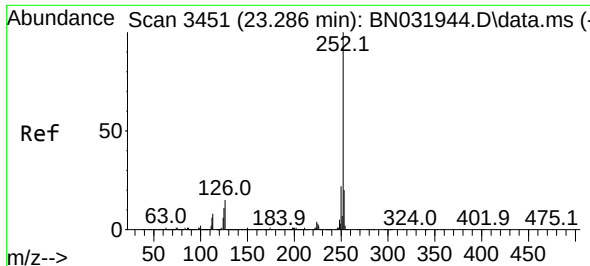


#87
Chrysene
Concen: 22.666 ng/ul
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18



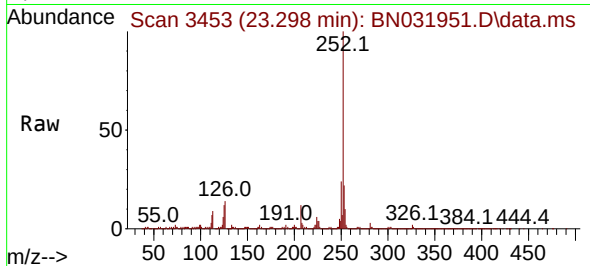
Tgt Ion:228 Resp: 1712436
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 22.2 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 28.278 ng/ul
RT: 23.298 min Scan# 3451
Delta R.T. 0.006 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

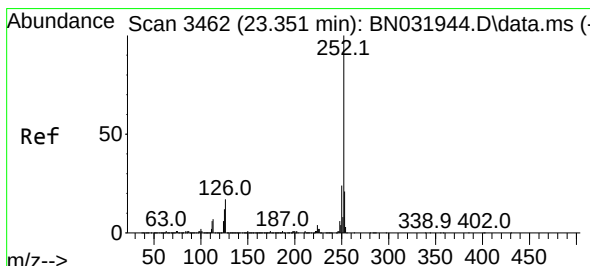
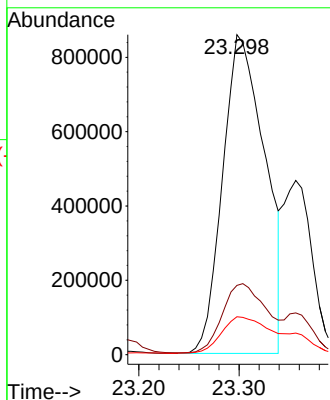
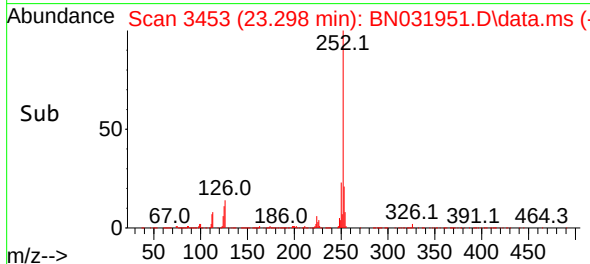
Instrument :
BNA_N
ClientSampleId :
BH688



Tgt Ion:252 Resp: 250959
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 11.9 9.2 13.8

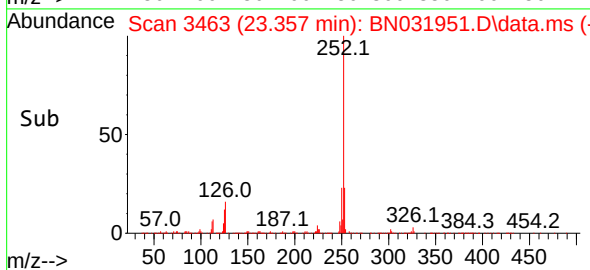
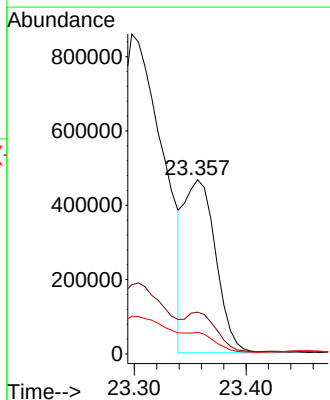
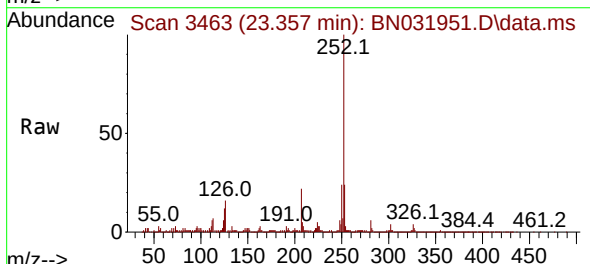
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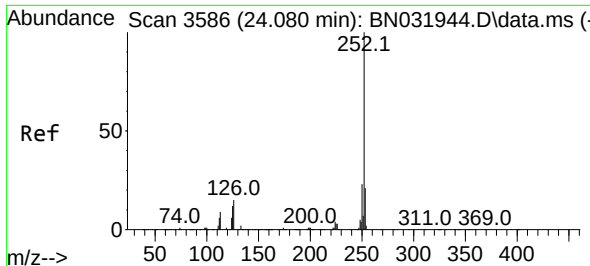
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#91
Benzo(k)fluoranthene
Concen: 10.482 ng/ul m
RT: 23.357 min Scan# 3463
Delta R.T. 0.006 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

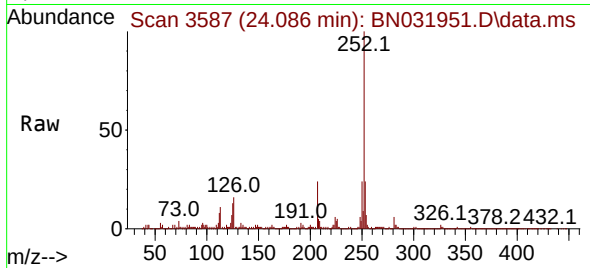
Tgt Ion:252 Resp: 912844
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 12.4 9.4 14.2





#93
Benzo(a)pyrene
Concen: 12.666 ng/ul
RT: 24.086 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

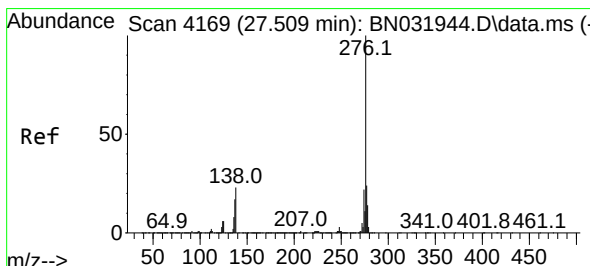
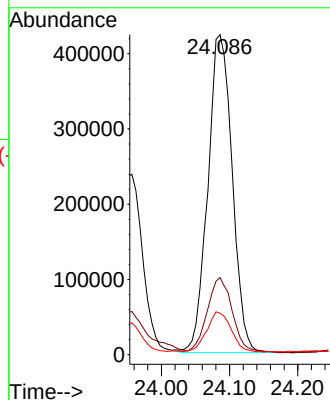
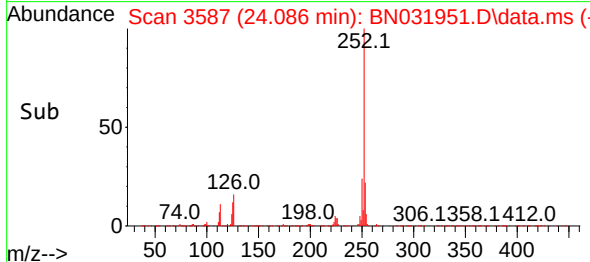
Instrument :
BNA_N
ClientSampleId :
BH688



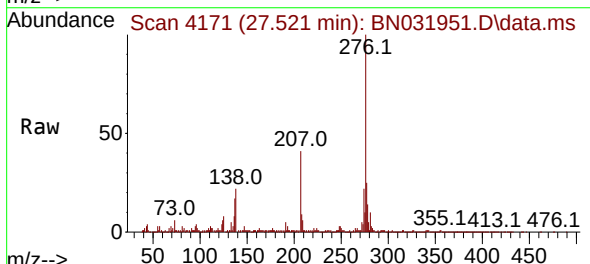
Tgt Ion:252 Resp: 105281
Ion Ratio Lower Upper
252 100
253 24.1 16.6 24.8
125 13.0 9.8 14.8

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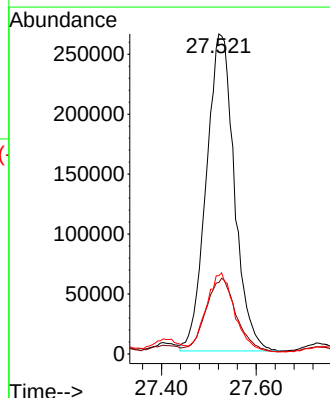
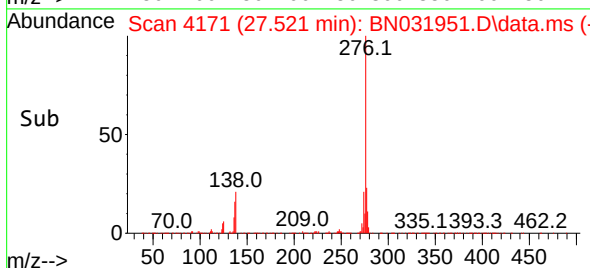
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024

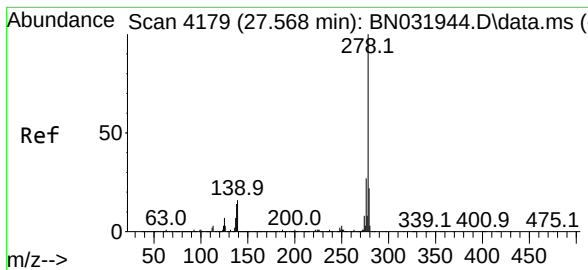


#94
Indeno(1,2,3-cd)pyrene
Concen: 11.354 ng/ul
RT: 27.521 min Scan# 4171
Delta R.T. 0.006 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18



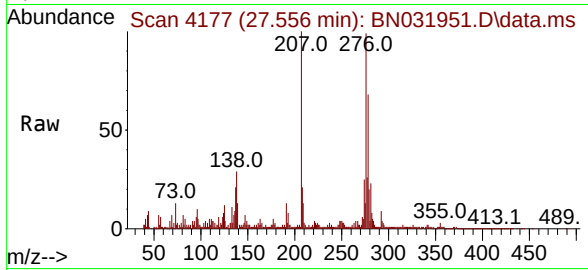
Tgt Ion:276 Resp: 1087495
Ion Ratio Lower Upper
276 100
138 22.4 18.1 27.1
277 24.5 18.2 27.2





#95
 Dibenzo(a,h)anthracene
 Concen: 4.577 ng/ul
 RT: 27.556 min Scan# 4179
 Delta R.T. -0.024 min
 Lab File: BN031951.D
 Acq: 12 Jun 2024 21:18

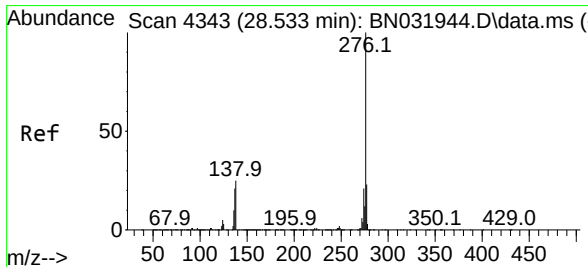
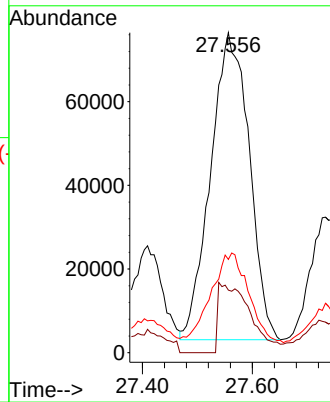
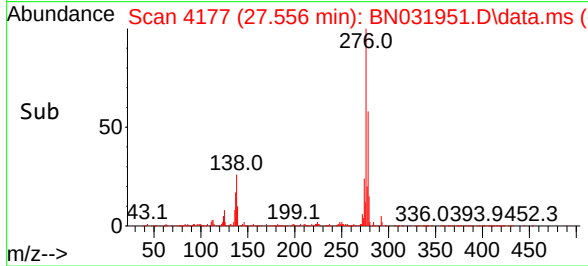
Instrument :
 BNA_N
 ClientSampleId :
 BH688



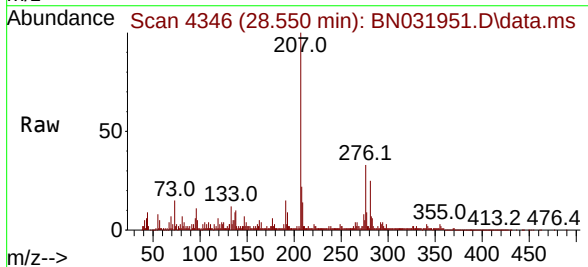
Tgt Ion:278 Resp: 357934
 Ion Ratio Lower Upper
 278 100
 139 19.6 15.0 22.6
 279 29.1 17.4 26.0

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Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/14/2024



#96
 Benzo(g,h,i)perylene
 Concen: 2.143 ng/ul m
 RT: 28.550 min Scan# 4346
 Delta R.T. 0.006 min
 Lab File: BN031951.D
 Acq: 12 Jun 2024 21:18



Tgt Ion:276 Resp: 163176
 Ion Ratio Lower Upper
 276 100
 138 29.7 20.9 31.3
 277 26.6 18.0 27.0

