

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043024\
 Data File : BN031338.D
 Acq On : 01 May 2024 03:49
 Operator : MA/JU
 Sample : P2203-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E1CW8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/02/2024

Quant Time: May 01 08:28:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN042924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 01 05:16:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	245362	20.000	ng/u1	0.00
20) Naphthalene-d8	10.393	136	1060545	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.263	164	637556	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.016	188	1178924	20.000	ng/u1	0.00
79) Chrysene-d12	21.245	240	788519	20.000	ng/u1	0.00
88) Perylene-d12	24.145	264	848943	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	32069	6.085	ng/uL	0.00
4) Pyridine-d5	3.534	84	505365	33.486	ng/u1	0.00
7) Phenol-d5	6.793	99	811621	41.107	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.958	67	471904	40.821	ng/u1	0.00
11) 2-Chlorophenol-d4	7.146	132	650680	41.194	ng/u1	0.00
15) 4-Methylphenol-d8	8.322	113	685523	41.898	ng/u1	0.00
21) Nitrobenzene-d5	8.769	128	341510	44.682	ng/u1	0.00
24) 2-Nitrophenol-d4	9.481	143	348911	42.416	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.016	165	630860	41.298	ng/u1	0.00
31) 4-Chloroaniline-d4	10.540	131	879326	39.722	ng/u1	0.00
46) Dimethylphthalate-d6	13.681	166	1977842	47.056	ng/u1	0.00
49) Acenaphthylene-d8	13.951	160	2344877	48.081	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.257	176	1680562	46.821	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.387	200	8242	1.359	ng/u1	0.00
73) Anthracene-d10	17.116	188	2339355	48.081	ng/u1	0.00
81) Pyrene-d10	19.416	212	2377889	49.516	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.951	264	1904367	48.454	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.440	128	176454	3.386	ng/u1	99
36) 2-Methylnaphthalene	12.057	142	99912	2.765	ng/u1	95
37) 1-Methylnaphthalene	12.281	142	55803	1.527	ng/u1#	97
50) Acenaphthylene	13.981	152	67951	1.224	ng/u1#	91
56) Dibenzofuran	14.663	168	59554	1.191	ng/u1#	87
61) Fluorene	15.316	166	42540	1.067	ng/u1#	92
72) Phenanthrene	17.057	178	488315	8.370	ng/u1	98
74) Anthracene	17.145	178	99193m	1.700	ng/u1	
77) Carbazole	17.422	167	62718	1.231	ng/u1#	66
80) Fluoranthene	19.080	202	675899	11.741	ng/u1	100
82) Pyrene	19.445	202	647400	11.024	ng/u1	99
85) Benzo(a)anthracene	21.233	228	312379	6.070	ng/u1	92
87) Chrysene	21.292	228	378311	7.846	ng/u1	97
90) Benzo(b)fluoranthene	23.227	252	560474	10.894	ng/u1#	80
91) Benzo(k)fluoranthene	23.280	252	177596m	3.510	ng/u1	
93) Benzo(a)pyrene	24.010	252	343383	7.462	ng/u1#	78
94) Indeno(1,2,3-cd)pyrene	27.380	276	323666m	6.208	ng/u1	
95) Dibenzo(a,h)anthracene	27.421	278	93318	2.155	ng/u1#	52
96) Benzo(g,h,i)perylene	28.409	276	324124	7.707	ng/u1	95

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

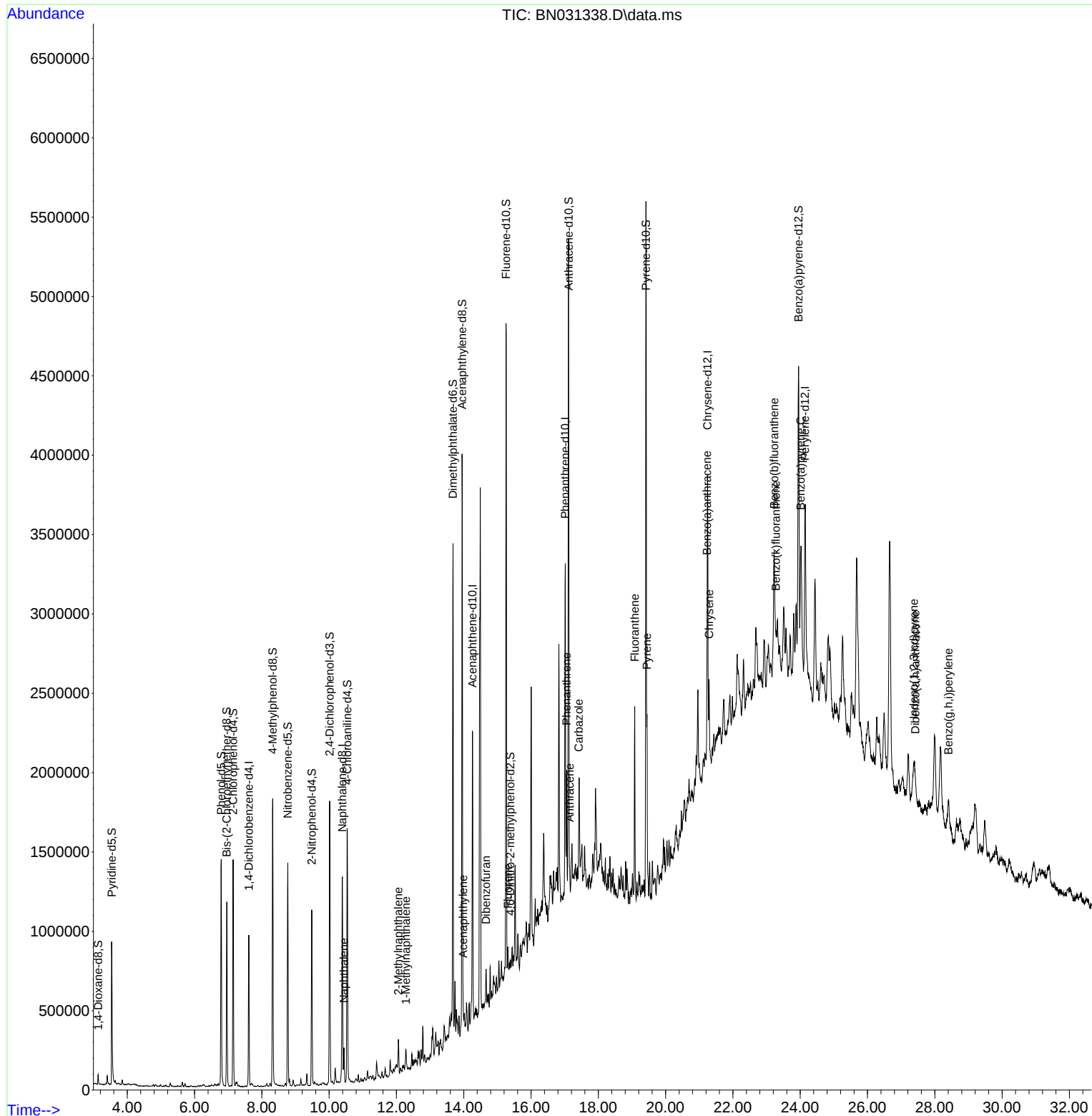
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043024\
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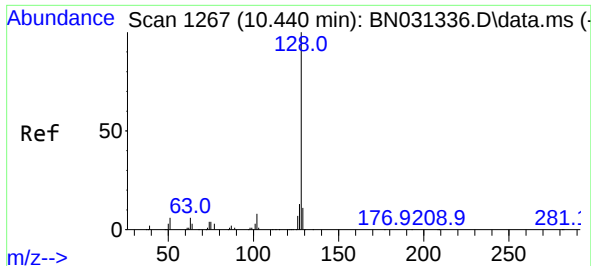
Instrument :
 BNA_N
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Quant Time: May 01 08:28:17 2024
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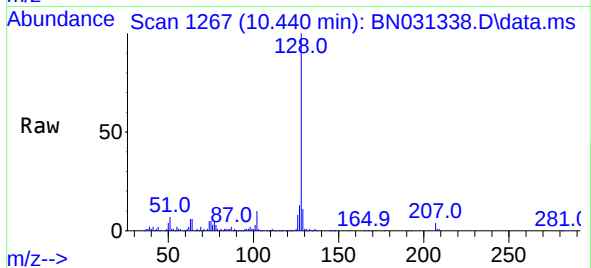
Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/02/2024





#30
Naphthalene
Concen: 3.386 ng/u1
RT: 10.440 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

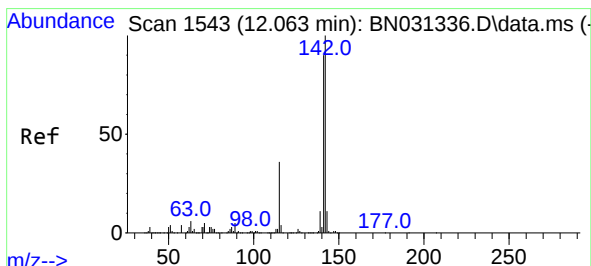
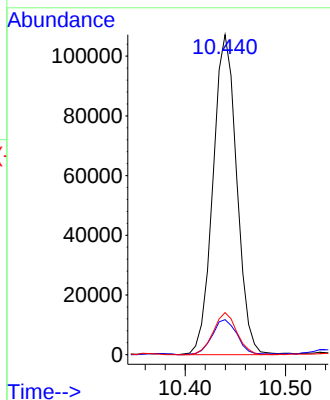
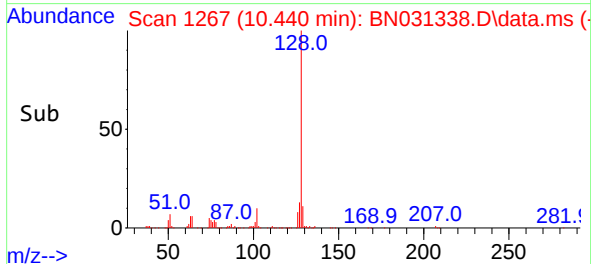
Instrument :
BNA_N
ClientSampleId :
E1CW8



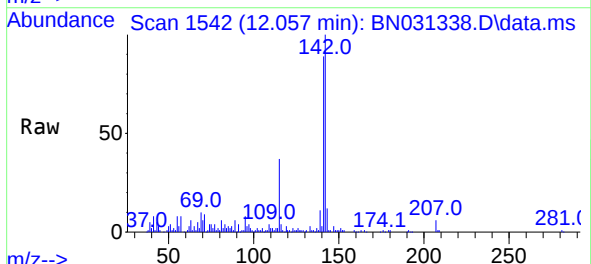
Tgt Ion:128 Resp: 176454
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.1 10.7 16.1

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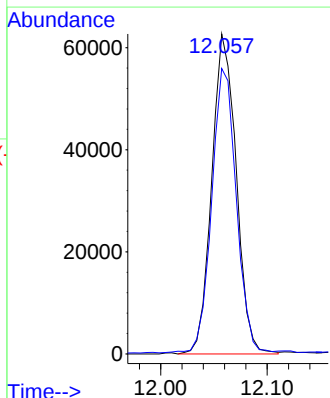
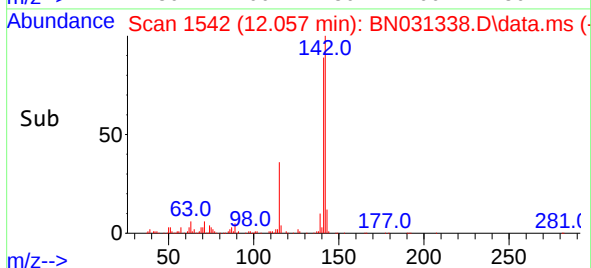
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/02/2024

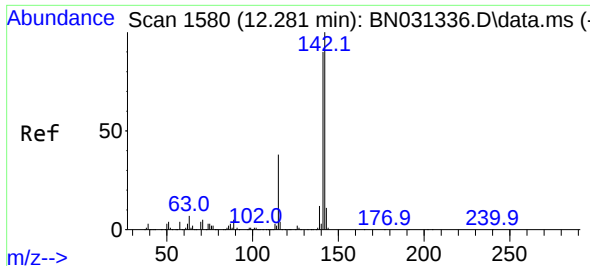


#36
2-Methylnaphthalene
Concen: 2.765 ng/u1
RT: 12.057 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49



Tgt Ion:142 Resp: 99912
Ion Ratio Lower Upper
142 100
141 89.2 75.0 112.4





#37

1-Methylnaphthalene

Concen: 1.527 ng/u1

RT: 12.281 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN031338.D

Acq: 01 May 2024 03:49

Instrument :

BNA_N

ClientSampleId :

E1CW8

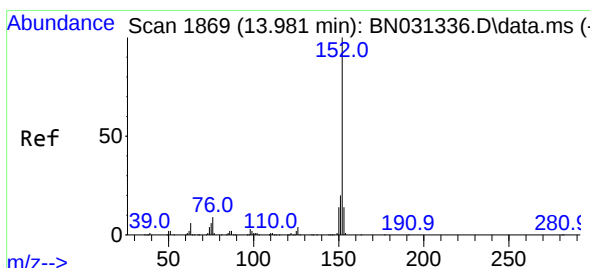
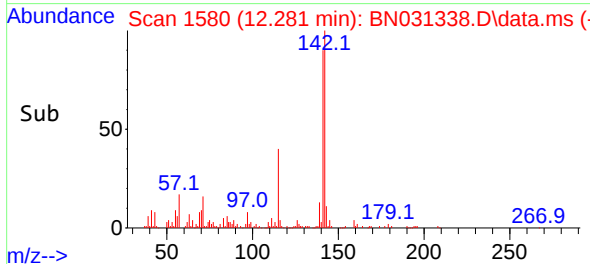
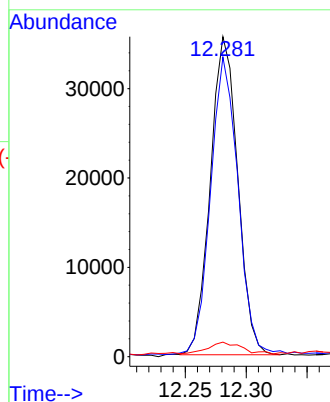
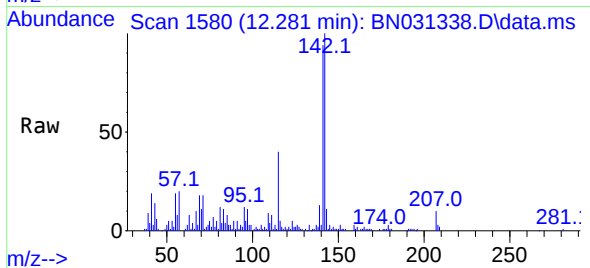
Tgt Ion:142 Resp: 5580

Ion	Ratio	Lower	Upper
142	100		
141	93.6	72.5	108.7
116	4.6	3.0	4.4

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#50

Acenaphthylene

Concen: 1.224 ng/u1

RT: 13.981 min Scan# 1869

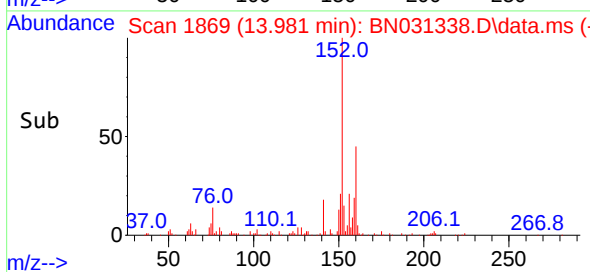
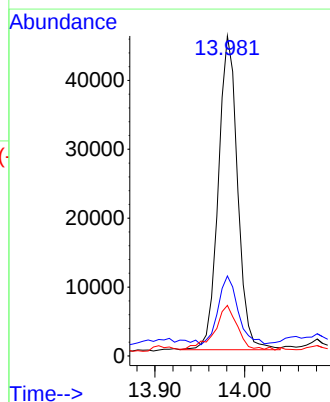
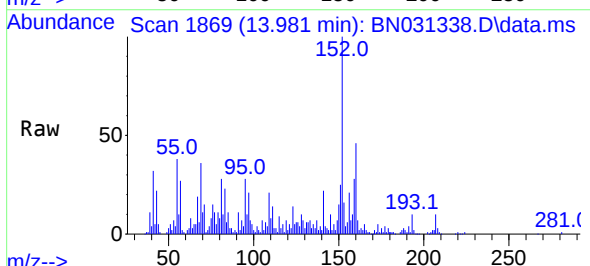
Delta R.T. 0.000 min

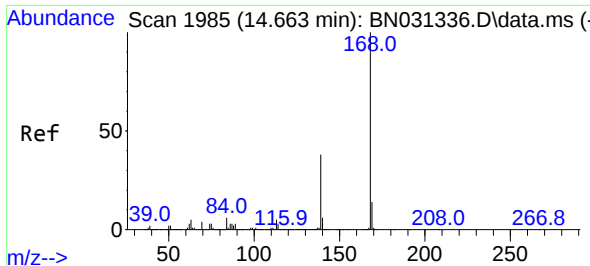
Lab File: BN031338.D

Acq: 01 May 2024 03:49

Tgt Ion:152 Resp: 67951

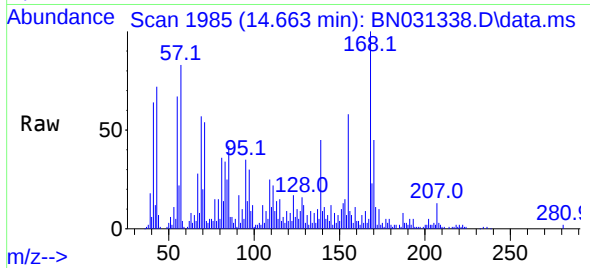
Ion	Ratio	Lower	Upper
152	100		
151	25.0	16.3	24.5
153	15.8	10.6	15.8





#56
Dibenzenofuran
Concen: 1.191 ng/ul
RT: 14.663 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

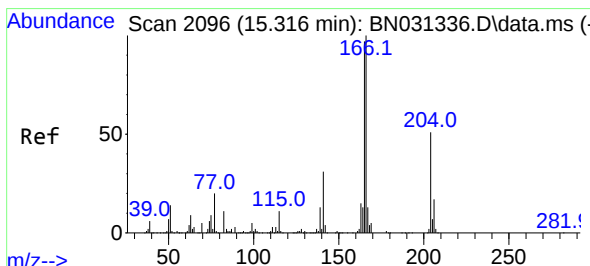
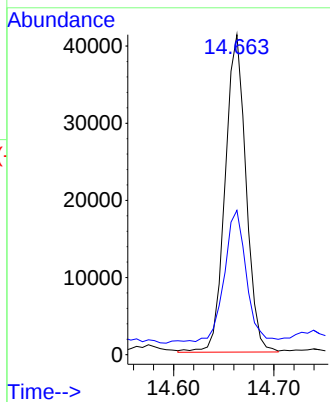
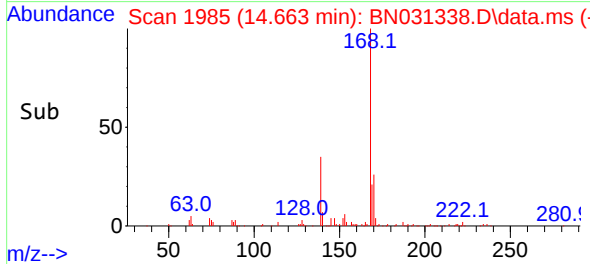
Instrument :
BNA_N
ClientSampleId :
E1CW8



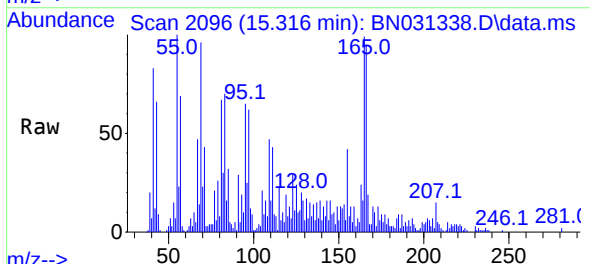
Tgt Ion:168 Resp: 59554
Ion Ratio Lower Upper
168 100
139 45.1 29.7 44.5

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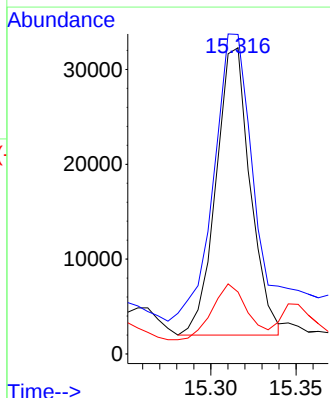
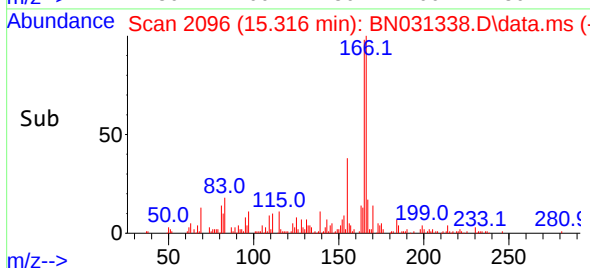
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/02/2024

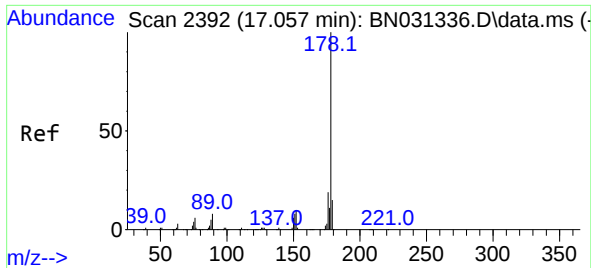


#61
Fluorene
Concen: 1.067 ng/ul
RT: 15.316 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49



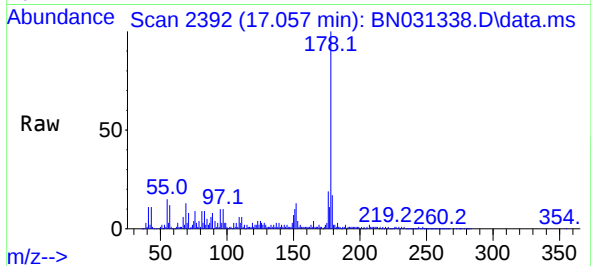
Tgt Ion:166 Resp: 42540
Ion Ratio Lower Upper
166 100
165 104.3 77.9 116.9
167 20.2 10.9 16.3





#72
Phenanthrene
Concen: 8.370 ng/ul
RT: 17.057 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

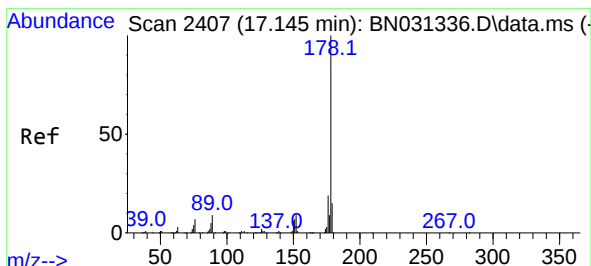
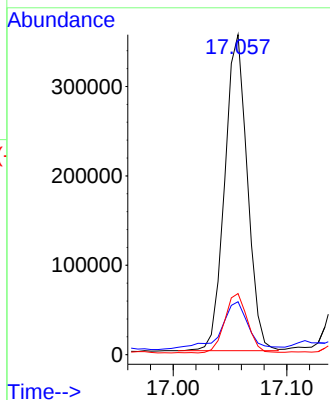
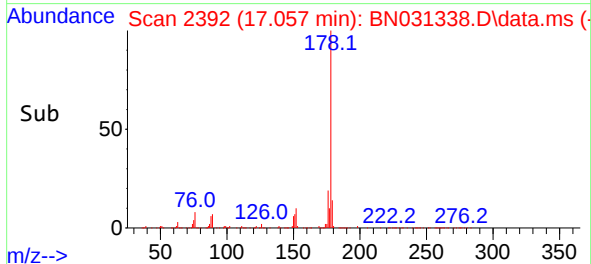
Instrument :
BNA_N
ClientSampleId :
E1CW8



Tgt Ion:178 Resp: 488315
Ion Ratio Lower Upper
178 100
179 16.6 12.4 18.6
176 19.1 15.6 23.4

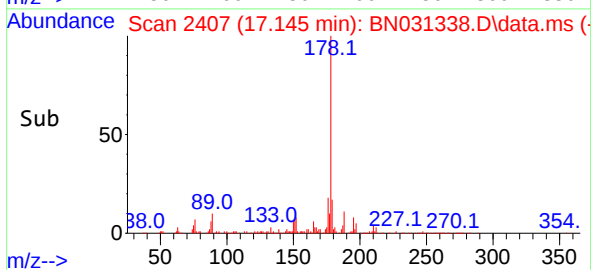
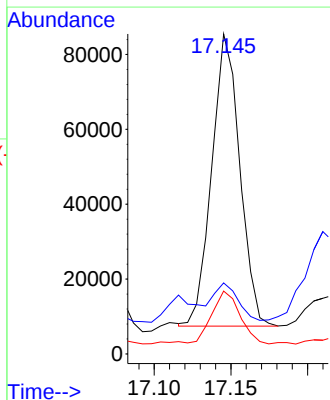
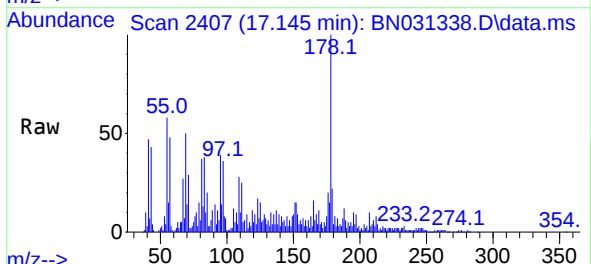
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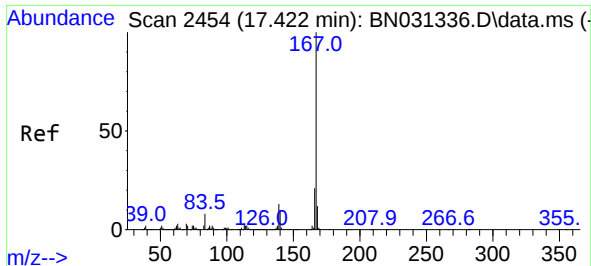
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/02/2024



#74
Anthracene
Concen: 1.700 ng/ul m
RT: 17.145 min Scan# 2407
Delta R.T. 0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

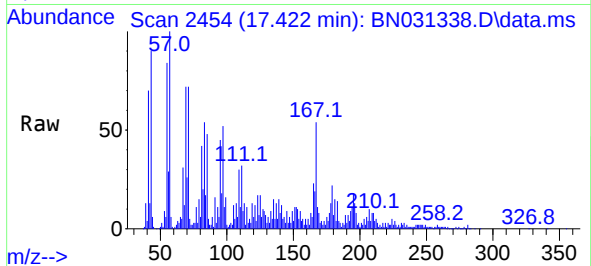
Tgt Ion:178 Resp: 99193
Ion Ratio Lower Upper
178 100
179 22.2 12.0 18.0#
176 19.7 15.1 22.7





#77
 Carbazole
 Concen: 1.231 ng/ul
 RT: 17.422 min Scan# 2454
 Delta R.T. 0.000 min
 Lab File: BN031338.D
 Acq: 01 May 2024 03:49

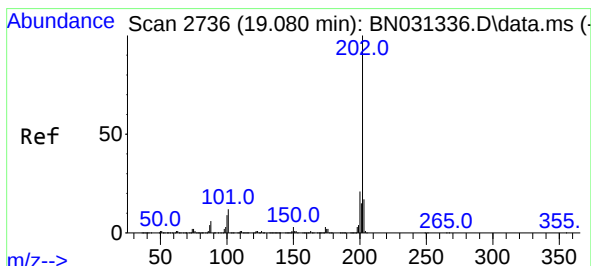
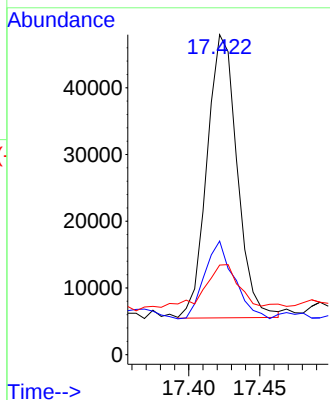
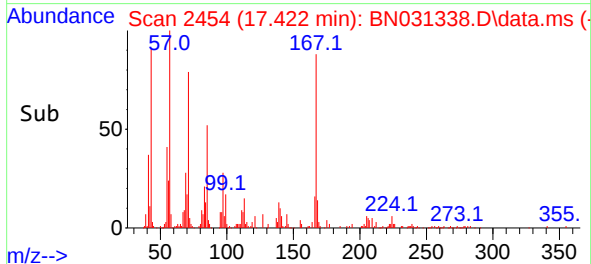
Instrument :
 BNA_N
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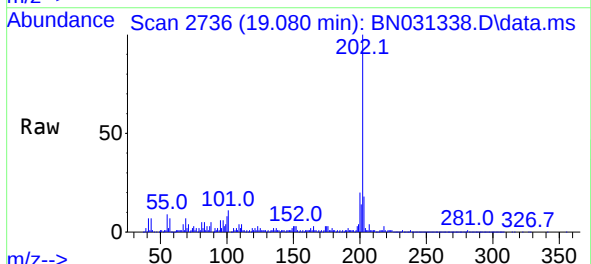
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 Ion Ratio Lower Upper
 167 100
 166 35.5 16.7 25.1
 139 28.0 10.4 15.6

Manual Integrations
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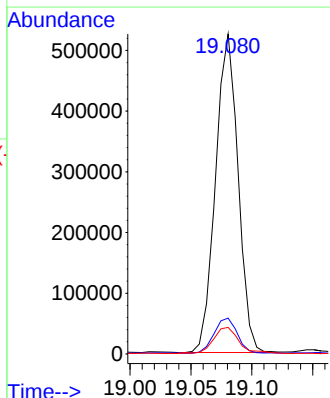
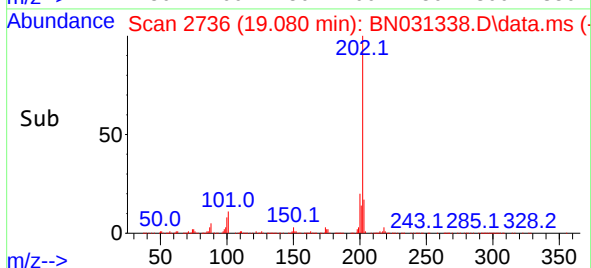
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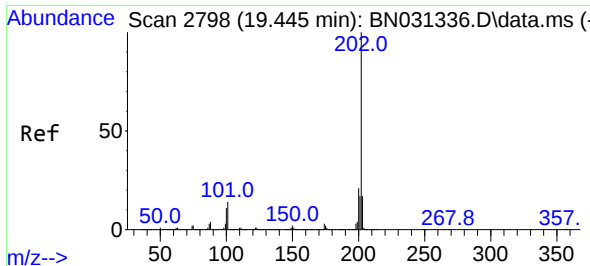


#80
 Fluoranthene
 Concen: 11.741 ng/ul
 RT: 19.080 min Scan# 2736
 Delta R.T. 0.000 min
 Lab File: BN031338.D
 Acq: 01 May 2024 03:49



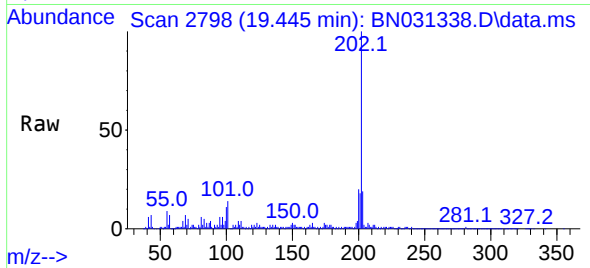
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 Ion Ratio Lower Upper
 202 100
 101 11.2 9.0 13.6
 100 8.3 6.7 10.1





#82
Pyrene
Concen: 11.024 ng/ul
RT: 19.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

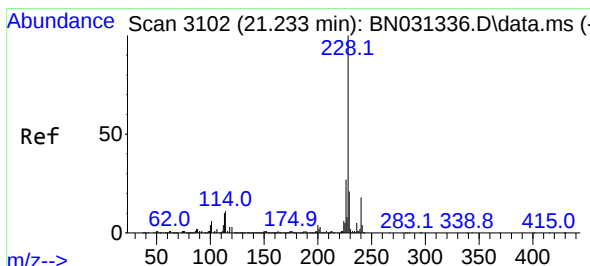
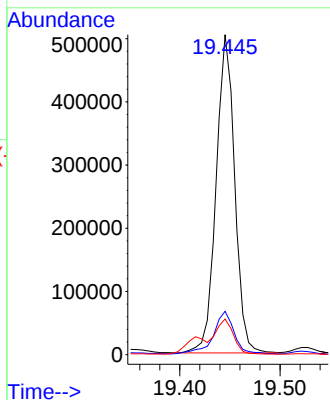
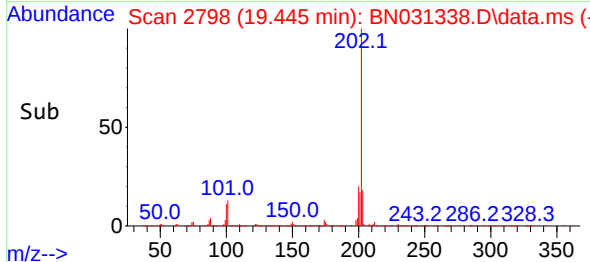
Instrument :
BNA_N
ClientSampleId :
E1CW8



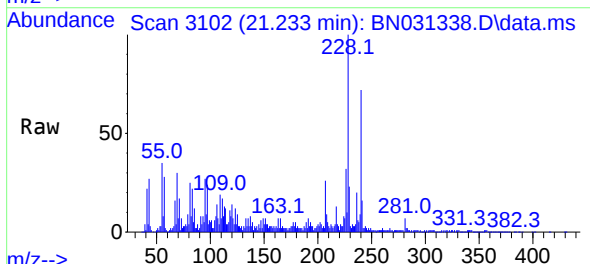
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Ion Ratio Lower Upper
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101 13.6 11.0 16.6
100 11.2 9.2 13.8

Manual Integrations
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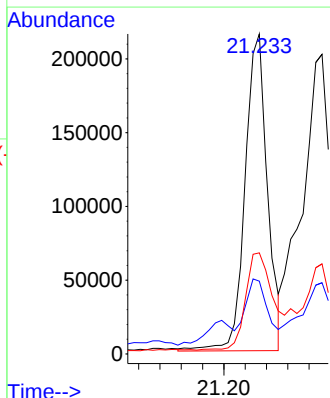
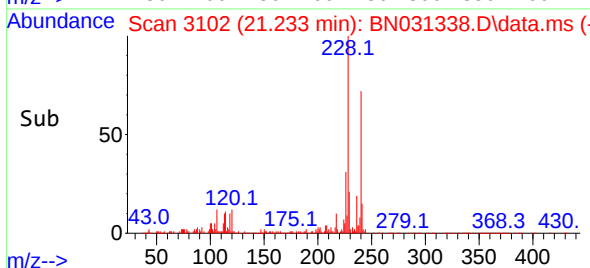
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/02/2024

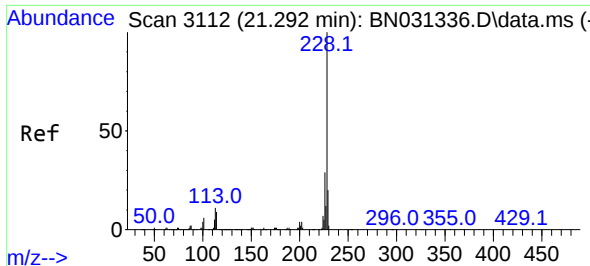


#85
Benzo(a)anthracene
Concen: 6.070 ng/ul
RT: 21.233 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49



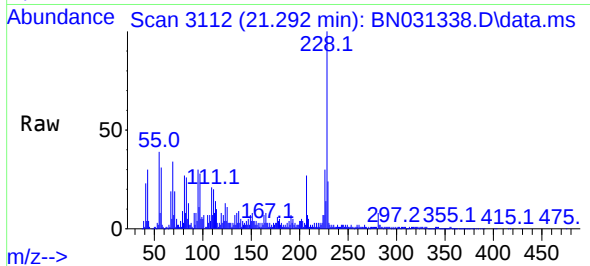
Tgt Ion:228 Resp: 312379
Ion Ratio Lower Upper
228 100
229 22.7 15.9 23.9
226 31.6 21.1 31.7





#87
Chrysene
Concen: 7.846 ng/ul
RT: 21.292 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

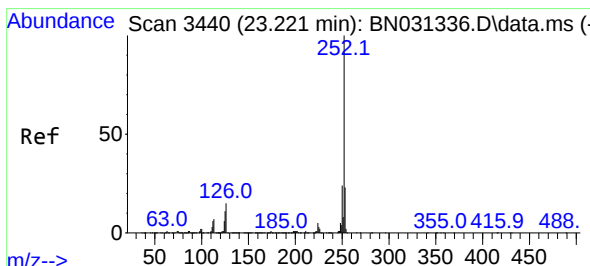
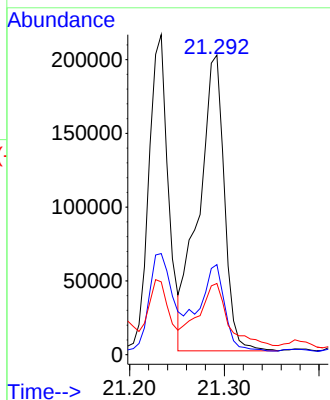
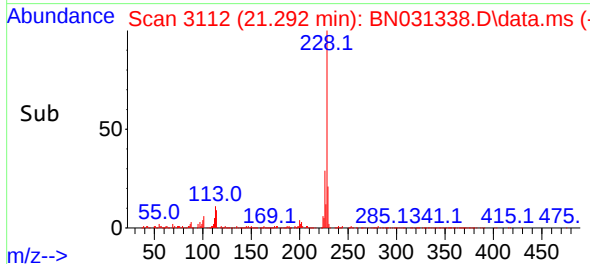
Instrument :
BNA_N
ClientSampleId :
E1CW8



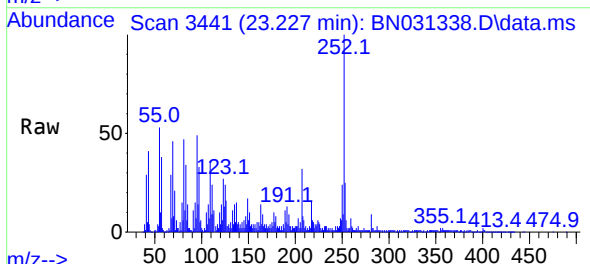
Tgt Ion:228 Resp: 37831
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 23.8 16.7 25.1

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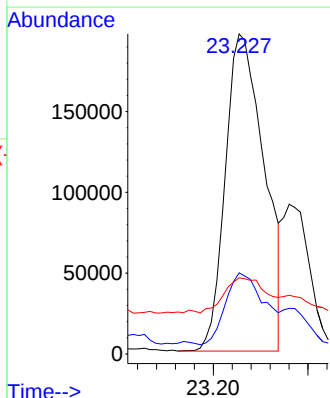
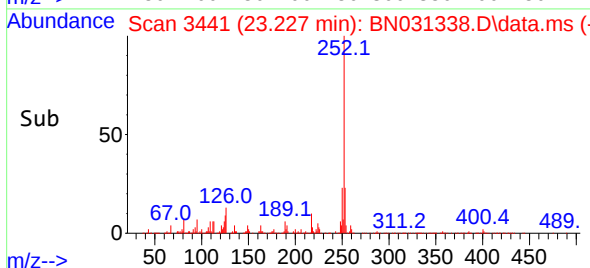
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/02/2024

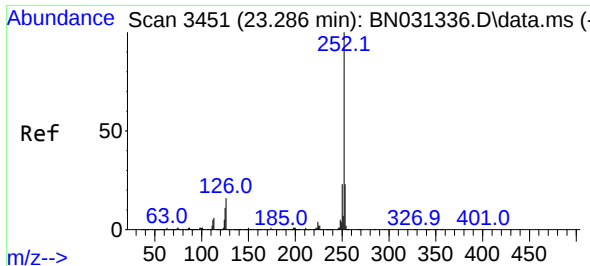


#90
Benzo(b)fluoranthene
Concen: 10.894 ng/ul
RT: 23.227 min Scan# 3441
Delta R.T. 0.006 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49



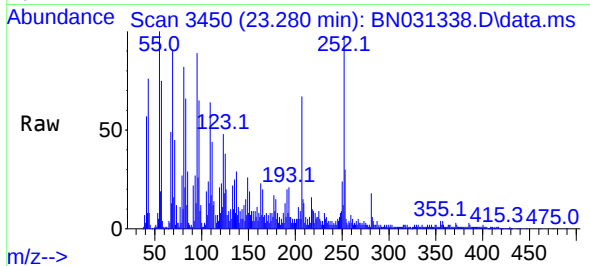
Tgt Ion:252 Resp: 560474
Ion Ratio Lower Upper
252 100
253 25.3 15.7 23.5#
125 23.8 8.6 13.0#





#91
Benzo(k)fluoranthene
Concen: 3.510 ng/ul m
RT: 23.280 min Scan# 3451
Delta R.T. -0.006 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

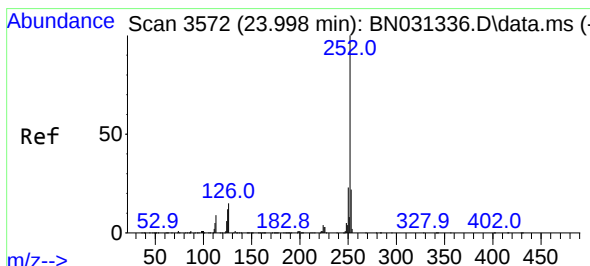
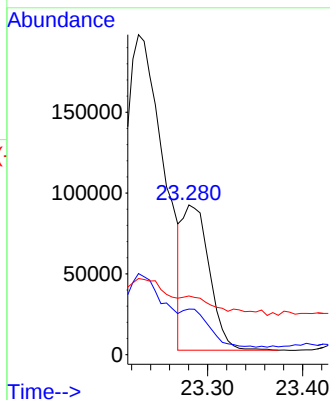
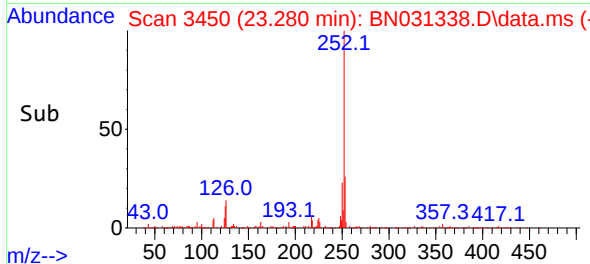
Instrument :
BNA_N
ClientSampleId :
E1CW8



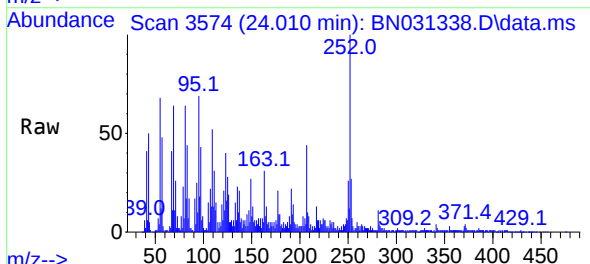
Tgt Ion:252 Resp: 177590
Ion Ratio Lower Upper
252 100
253 30.4 17.8 26.8#
125 39.2 8.7 13.1#

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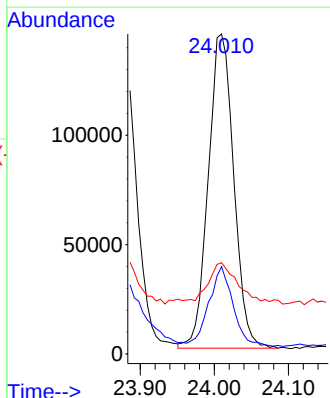
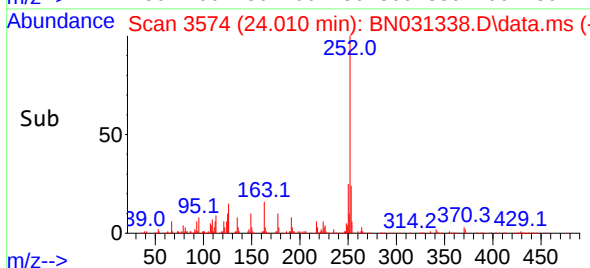
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/02/2024

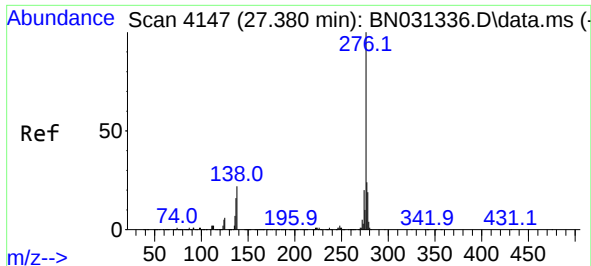


#93
Benzo(a)pyrene
Concen: 7.462 ng/ul
RT: 24.010 min Scan# 3574
Delta R.T. 0.012 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49



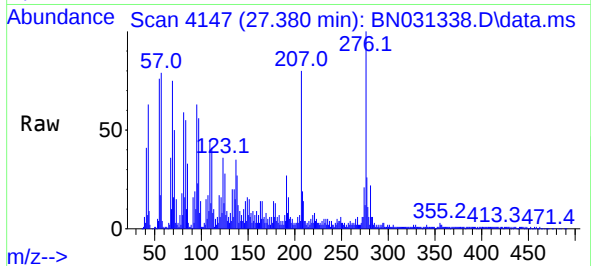
Tgt Ion:252 Resp: 343383
Ion Ratio Lower Upper
252 100
253 27.3 17.7 26.5#
125 28.5 9.7 14.5#





#94
Indeno(1,2,3-cd)pyrene
Concen: 6.208 ng/ul m
RT: 27.380 min Scan# 4147
Delta R.T. 0.000 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

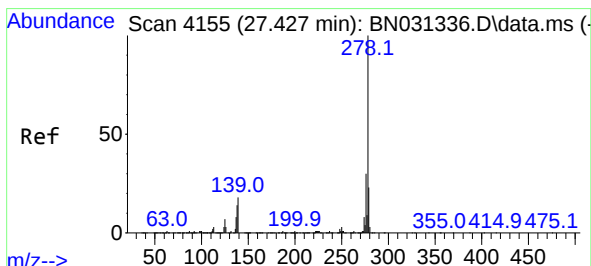
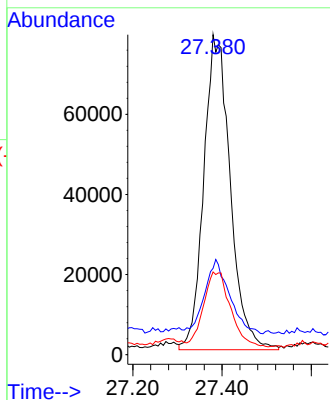
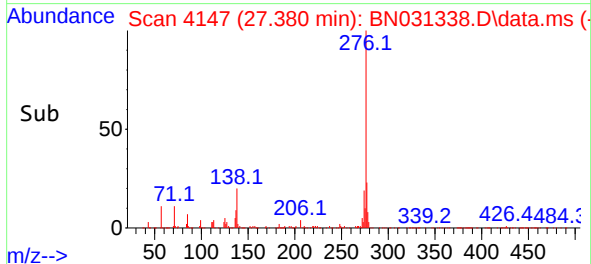
Instrument :
BNA_N
ClientSampleId :
E1CW8



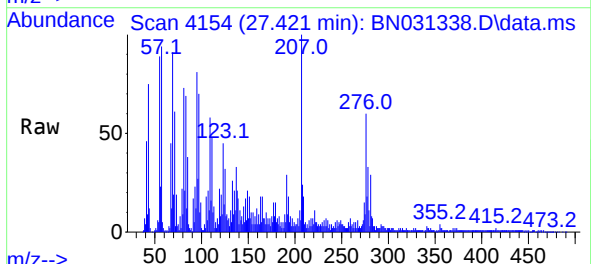
Tgt Ion:276 Resp: 32366
Ion Ratio Lower Upper
276 100
138 27.0 18.1 27.1
277 25.9 19.5 29.3

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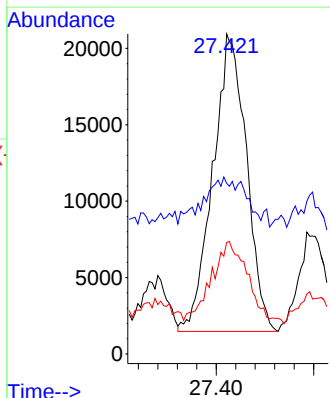
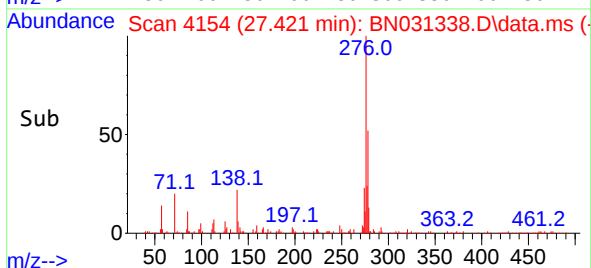
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/02/2024

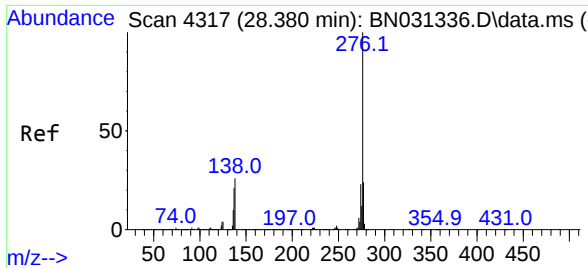


#95
Dibenzo(a,h)anthracene
Concen: 2.155 ng/ul
RT: 27.421 min Scan# 4154
Delta R.T. -0.006 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49



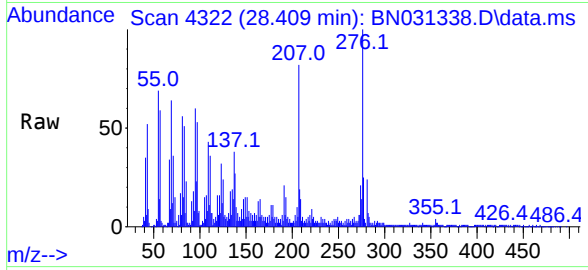
Tgt Ion:278 Resp: 93318
Ion Ratio Lower Upper
278 100
139 53.3 13.9 20.9#
279 34.8 18.7 28.1#





#96
Benzo(g,h,i)perylene
Concen: 7.707 ng/ul
RT: 28.409 min Scan# 41
Delta R.T. 0.029 min
Lab File: BN031338.D
Acq: 01 May 2024 03:49

Instrument :
BNA_N
ClientSampleId :
E1CW8



Tgt Ion:276 Resp: 324124
Ion Ratio Lower Upper
276 100
138 26.6 18.8 28.2
277 24.7 18.0 27.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/02/2024

