

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062224\
 Data File : BN032187.D
 Acq On : 23 Jun 2024 05:04
 Operator : MA/JU
 Sample : P2775-24
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D56

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 23 05:39:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 20 10:49:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	328731	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	1252098	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	713333	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.045	188	1174844	20.000	ng/u1	0.01
79) Chrysene-d12	21.310	240	568421	20.000	ng/u1	0.04
88) Perylene-d12	24.233	264	1466761	20.000	ng/u1	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	32601	4.103	ng/uL	0.00
4) Pyridine-d5	3.570	84	252725	11.299	ng/u1	0.00
7) Phenol-d5	6.817	99	658798	23.377	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	337668	20.484	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	577893	26.875	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	536423	23.351	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	269478	28.148	ng/u1	0.00
24) 2-Nitrophenol-d4	9.505	143	298679	30.202	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	505383	27.374	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	465201	16.971	ng/u1	0.00
46) Dimethylphthalate-d6	13.699	166	1348178	27.129	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	1596197	27.934	ng/u1	0.00
54) 4-Nitrophenol-d4	14.540	143	208823	20.987	ng/u1	0.04
60) Fluorene-d10	15.275	176	1122995	26.707	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.457	200	82099	13.903	ng/u1	0.04
73) Anthracene-d10	17.157	188	1521664	30.253	ng/u1	0.03
81) Pyrene-d10	19.451	212	1224687	40.263	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.039	264	1323959	18.903	ng/u1	0.06
Target Compounds						
					Qvalue	
8) Phenol	6.846	94	75315	2.626	ng/u1	94
13) 2-Methylphenol	8.081	108	35109	1.585	ng/u1	98
16) Acetophenone	8.458	105	202094	5.805	ng/u1	98
18) 4-Methylphenol	8.416	108	77386	3.223	ng/u1	91
26) 2,4-Dimethylphenol	9.605	107	62026m	2.951	ng/u1	
30) Naphthalene	10.463	128	8375664	129.252	ng/u1	98
36) 2-Methylnaphthalene	12.081	142	3257647	73.547	ng/u1	96
37) 1-Methylnaphthalene	12.305	142	2199471	49.490	ng/u1	97
43) 1,1'-Biphenyl	13.104	154	926401	18.464	ng/u1	97
50) Acenaphthylene	13.999	152	543701	8.419	ng/u1#	87
52) Acenaphthene	14.351	153	7686656	179.893	ng/u1	98
56) Dibenzofuran	14.687	168	8086600	139.297	ng/u1	89
61) Fluorene	15.346	166	8432953	180.389	ng/u1	98
72) Phenanthrene	17.098	178	33857387m	565.722	ng/u1	
74) Anthracene	17.198	178	15115819	249.260	ng/u1	96
77) Carbazole	17.463	167	9381303	181.424	ng/u1	99
80) Fluoranthene	19.128	202	32581142m	896.272	ng/u1	
82) Pyrene	19.498	202	24928312m	668.375	ng/u1	
85) Benzo(a)anthracene	21.292	228	22463543	590.417	ng/u1	99
87) Chrysene	21.357	228	19198456m	540.216	ng/u1	
90) Benzo(b)fluoranthene	23.345	252	28359061m	323.469	ng/u1	
91) Benzo(k)fluoranthene	23.404	252	12687335m	147.477	ng/u1	
93) Benzo(a)pyrene	24.133	252	16054547	195.519	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	27.610	276	14400290m	152.189	ng/u1	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	27.621	278	5277112	68.312	ng/ul#	86
96) Benzo(g,h,i)perylene	28.586	276	1945385	25.864	ng/ul#	93

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

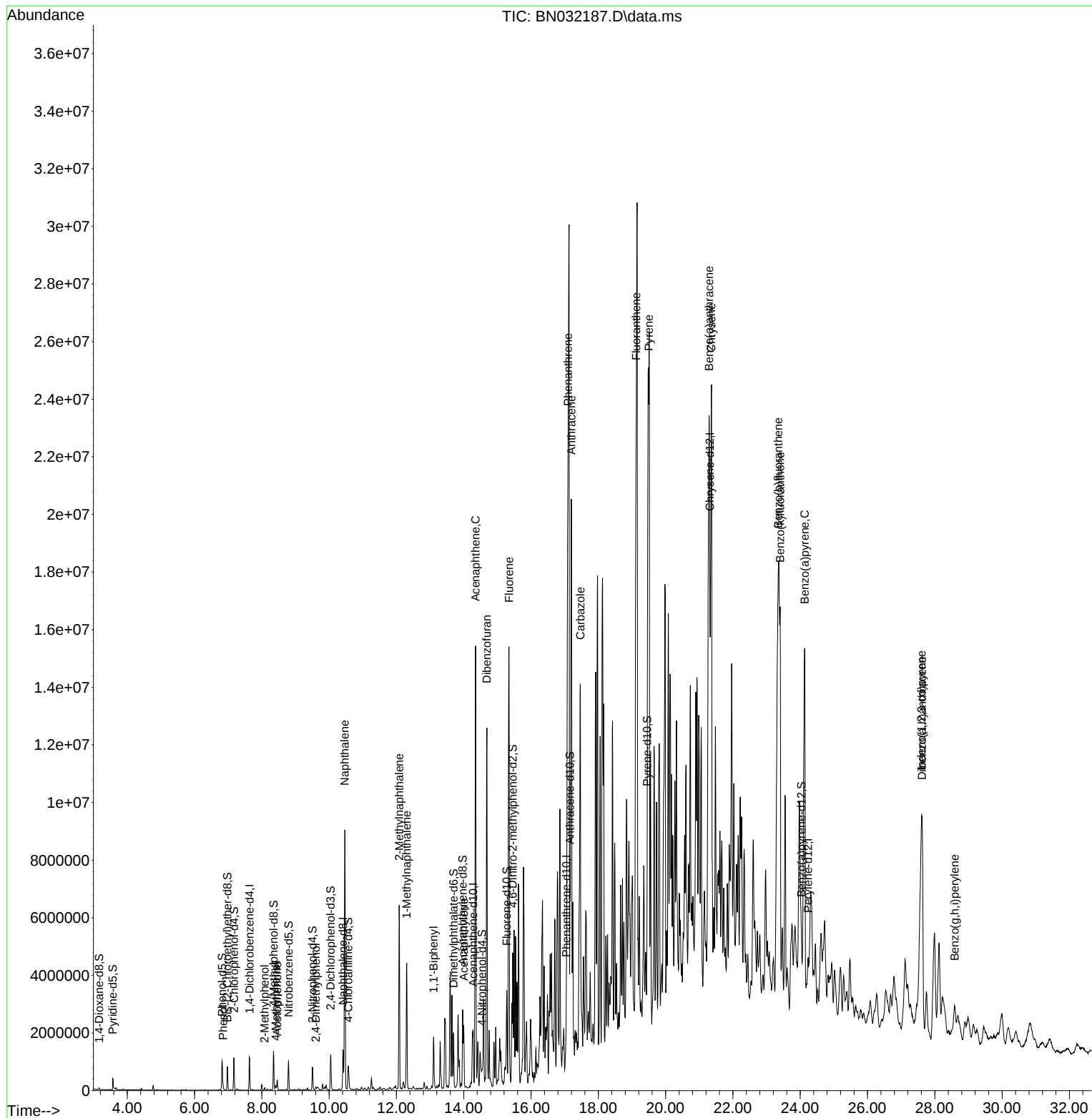
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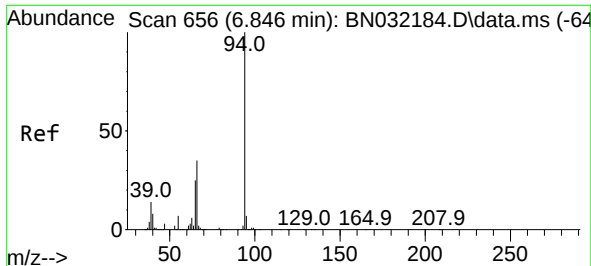
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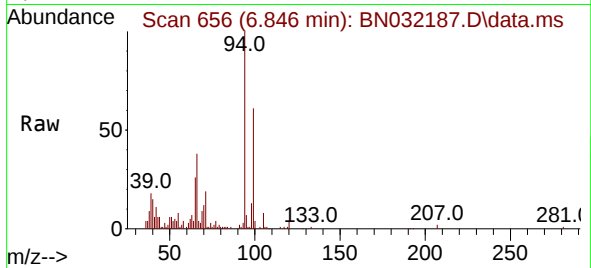
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#8
Phenol
Concen: 2.626 ng/ul
RT: 6.846 min Scan# 656
Delta R.T. 0.006 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

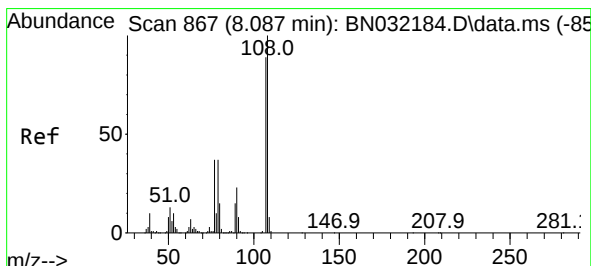
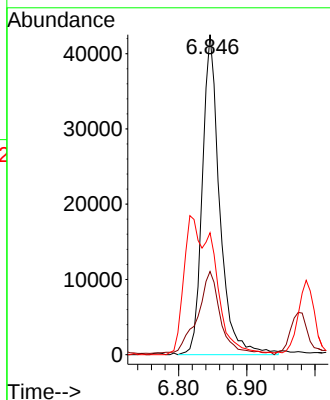
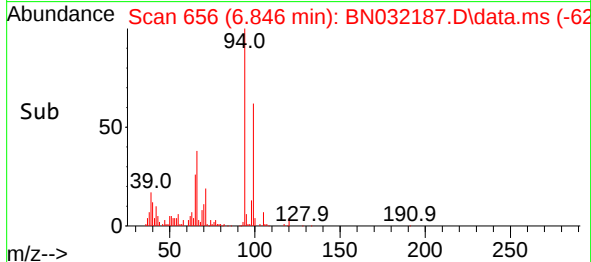
Instrument :
BNA_N
ClientSampleId :
A4D56



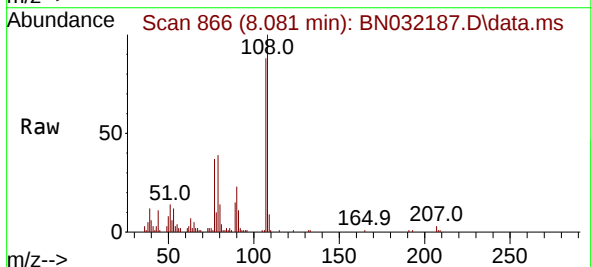
Tgt Ion: 94 Resp: 7531
Ion Ratio Lower Upper
94 100
65 26.0 20.3 30.5
66 38.1 25.8 38.8

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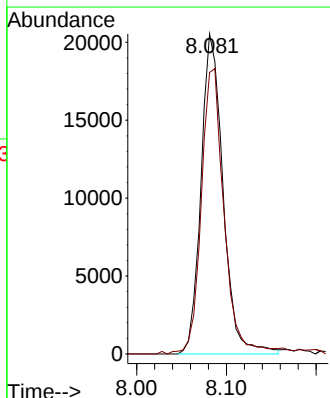
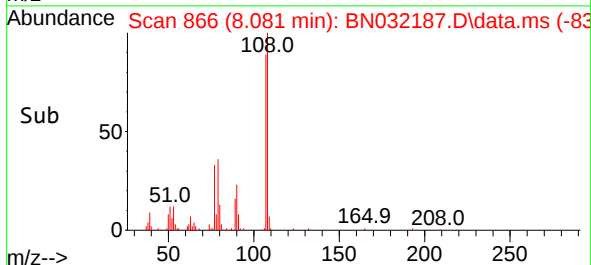
Reviewed By :Yogesh Patel 06/24/2024
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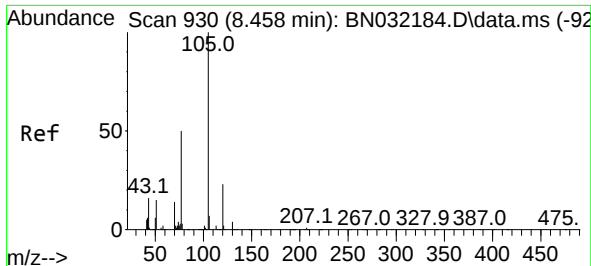


#13
2-Methylphenol
Concen: 1.585 ng/ul
RT: 8.081 min Scan# 866
Delta R.T. 0.000 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04



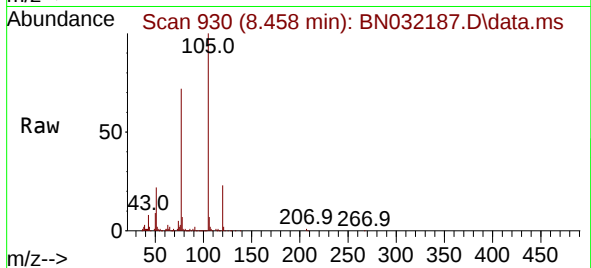
Tgt Ion:108 Resp: 35109
Ion Ratio Lower Upper
108 100
107 88.0 71.6 107.4





#16
Acetophenone
Concen: 5.805 ng/ul
RT: 8.458 min Scan# 911
Delta R.T. -0.006 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

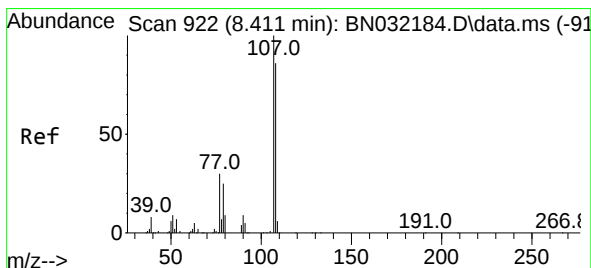
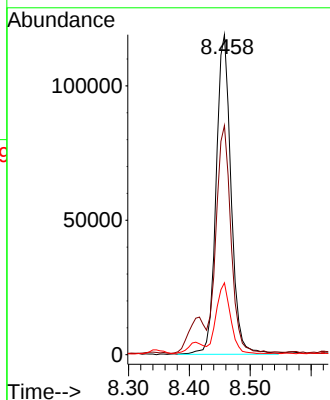
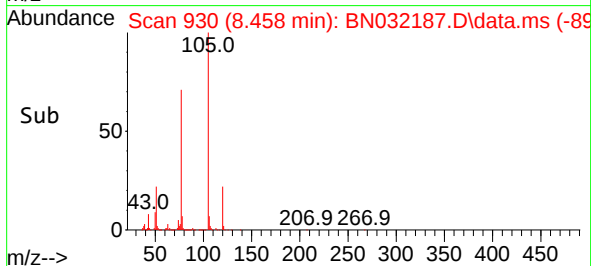
Instrument :
BNA_N
ClientSampleId :
A4D56



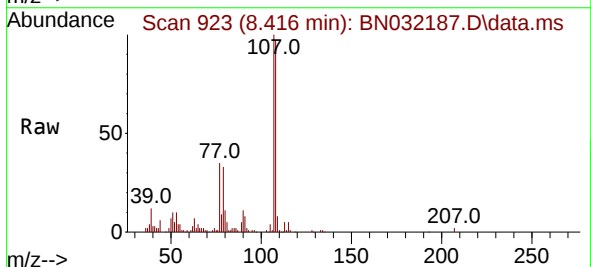
Tgt Ion:105 Resp: 202094
Ion Ratio Lower Upper
105 100
77 71.6 58.6 87.8
51 22.5 17.2 25.8

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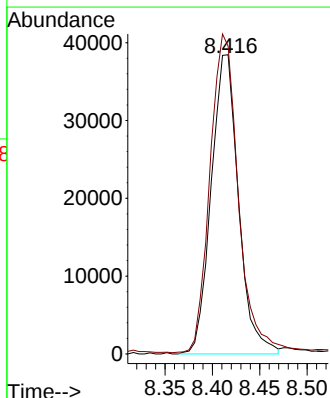
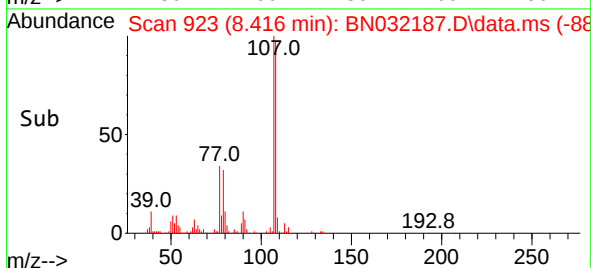
Reviewed By :Yogesh Patel 06/24/2024
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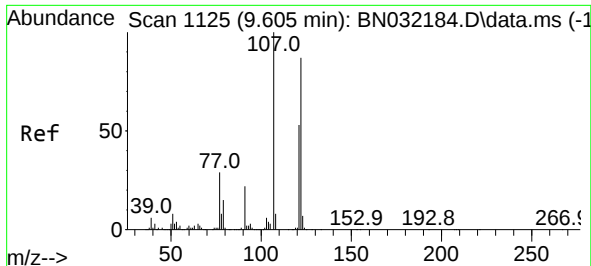


#18
4-Methylphenol
Concen: 3.223 ng/ul
RT: 8.416 min Scan# 923
Delta R.T. 0.006 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04



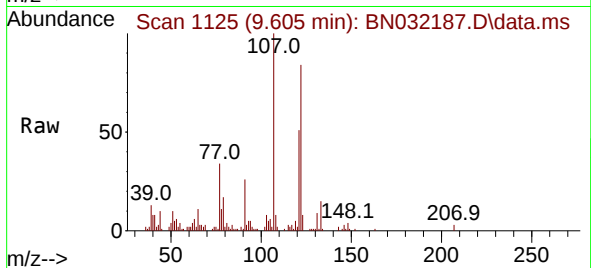
Tgt Ion:108 Resp: 77386
Ion Ratio Lower Upper
108 100
107 102.9 89.6 134.4





#26
2,4-Dimethylphenol
Concen: 2.951 ng/ul m
RT: 9.605 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

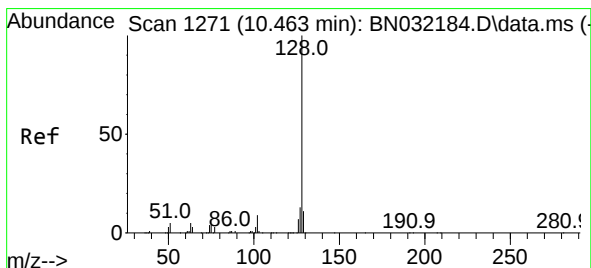
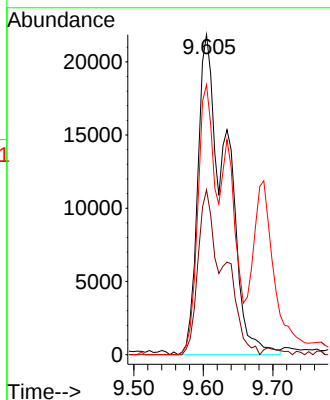
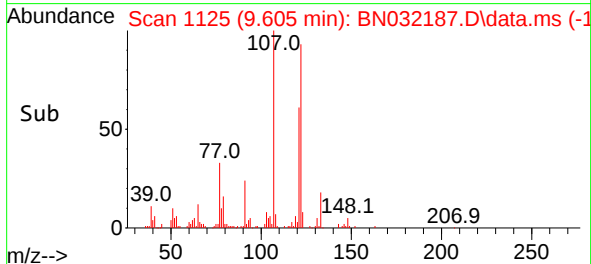
Instrument :
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ClientSampleId :
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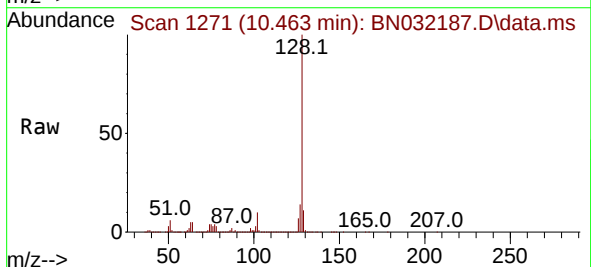
Tgt Ion:107 Resp: 62020
Ion Ratio Lower Upper
107 100
121 51.5 40.8 61.2
122 84.4 70.4 105.6

Manual Integrations
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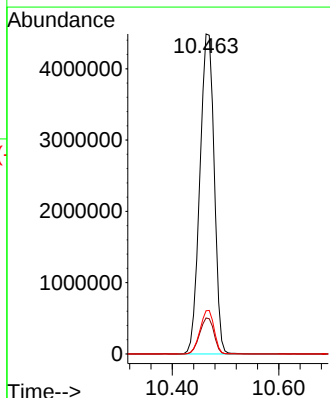
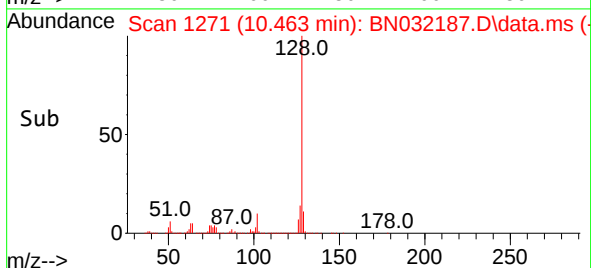
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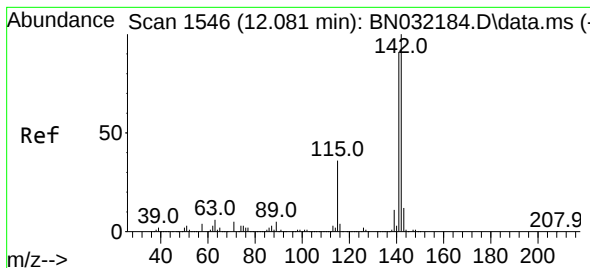


#30
Naphthalene
Concen: 129.252 ng/ul
RT: 10.463 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04



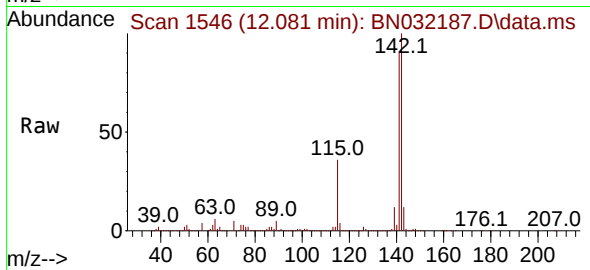
Tgt Ion:128 Resp: 8375664
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 13.5 10.3 15.5





#36
2-Methylnaphthalene
Concen: 73.547 ng/ul
RT: 12.081 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

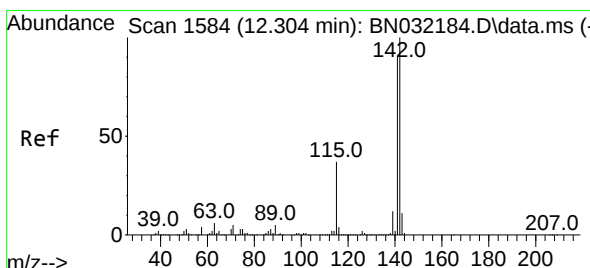
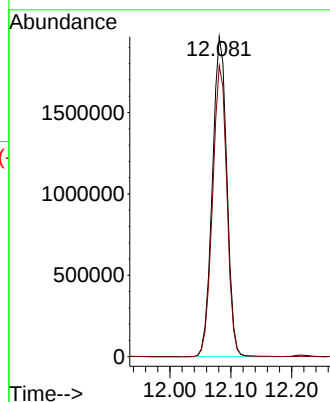
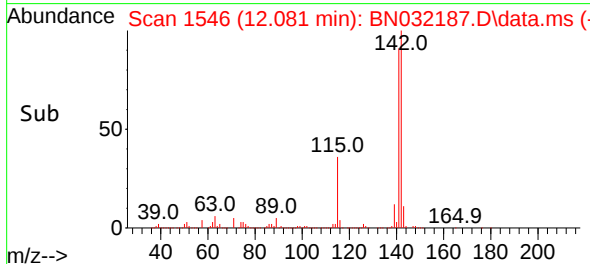
Instrument :
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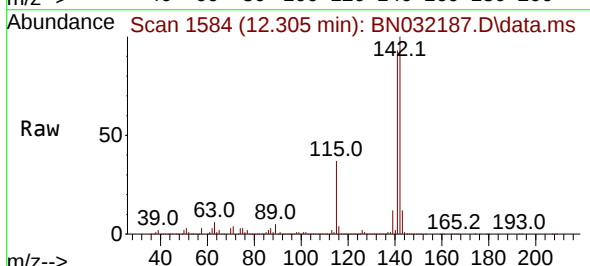
Tgt Ion:142 Resp: 325764
Ion Ratio Lower Upper
142 100
141 91.0 70.1 105.1

Manual Integrations
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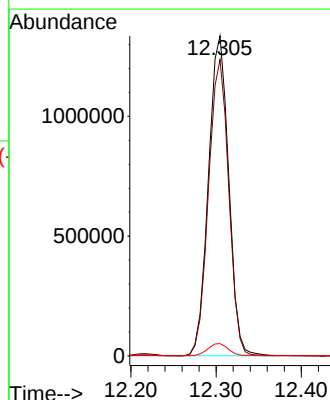
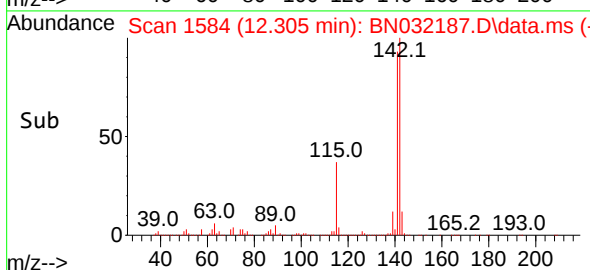
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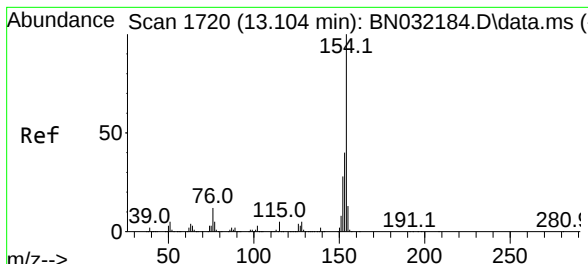


#37
1-Methylnaphthalene
Concen: 49.490 ng/ul
RT: 12.305 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04



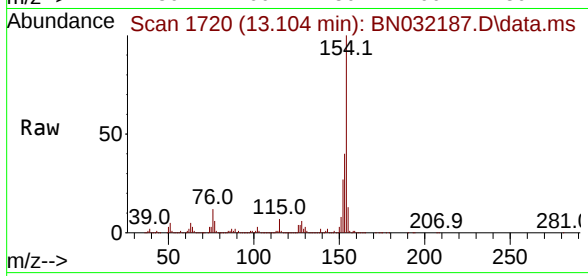
Tgt Ion:142 Resp: 2199471
Ion Ratio Lower Upper
142 100
141 92.7 71.7 107.5
116 3.9 3.0 4.4





#43
 1,1'-Biphenyl
 Concen: 18.464 ng/ul
 RT: 13.104 min Scan# 1720
 Delta R.T. -0.006 min
 Lab File: BN032187.D
 Acq: 23 Jun 2024 05:04

Instrument : BNA_N
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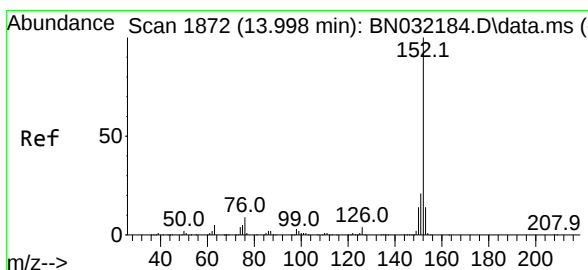
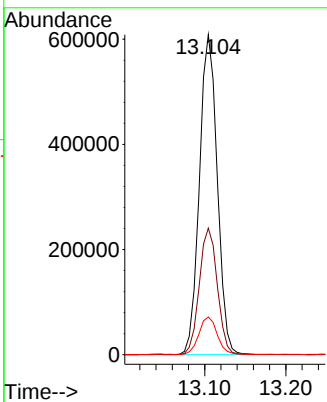
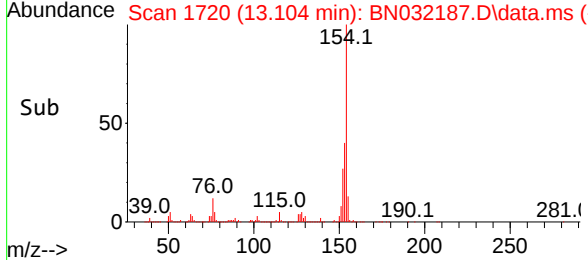


Tgt Ion:154 Resp: 92640

Ion	Ratio	Lower	Upper
154	100		
153	39.6	30.6	46.0
76	11.7	11.1	16.7

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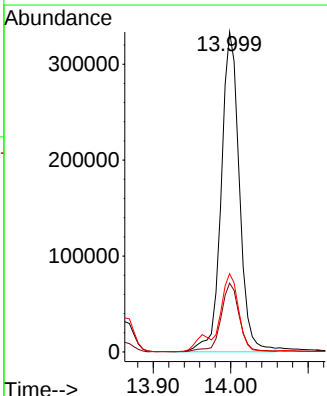
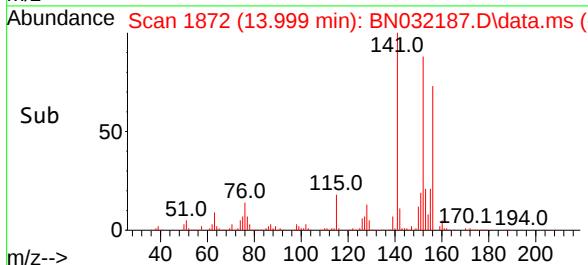
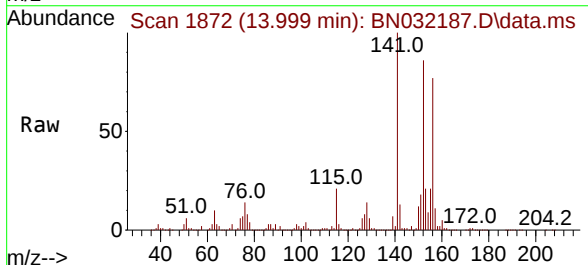
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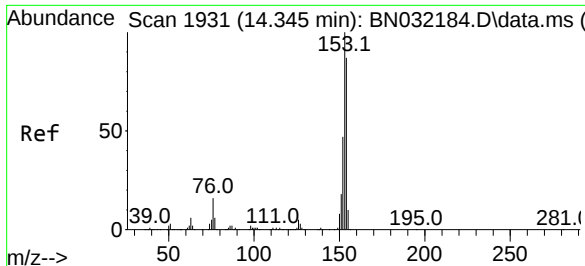


#50
 Acenaphthylene
 Concen: 8.419 ng/ul
 RT: 13.999 min Scan# 1872
 Delta R.T. -0.006 min
 Lab File: BN032187.D
 Acq: 23 Jun 2024 05:04

Tgt Ion:152 Resp: 543701

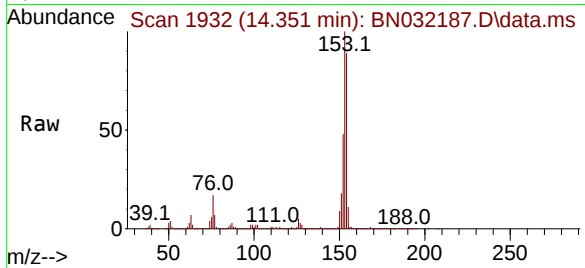
Ion	Ratio	Lower	Upper
152	100		
151	21.5	15.9	23.9
153	24.4	10.4	15.6





#52
Acenaphthene
Concen: 179.893 ng/uI
RT: 14.351 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

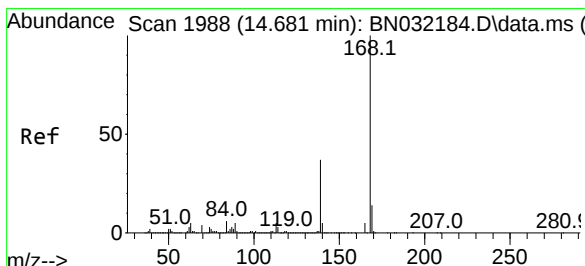
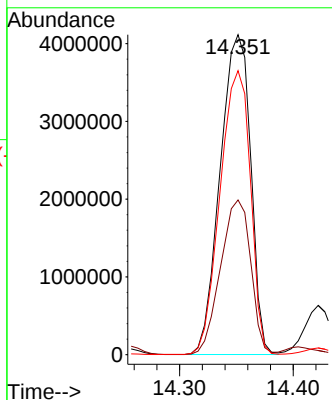
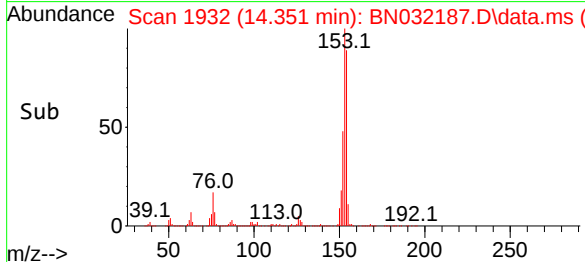
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ClientSampleId :
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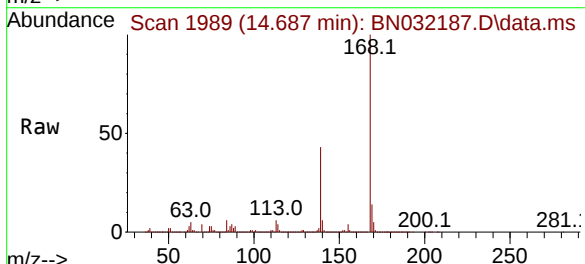
Tgt Ion:153 Resp: 7686650
Ion Ratio Lower Upper
153 100
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Manual Integrations
APPROVED

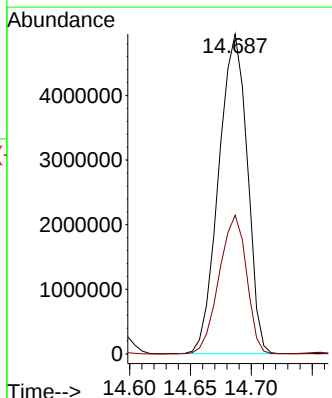
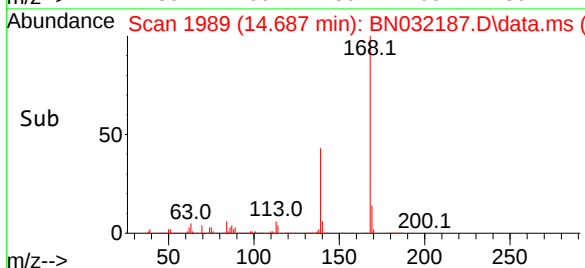
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

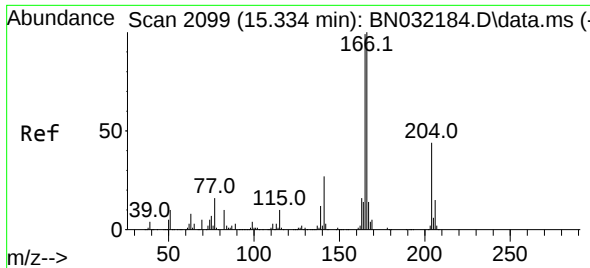


#56
Dibenzofuran
Concen: 139.297 ng/uI
RT: 14.687 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04



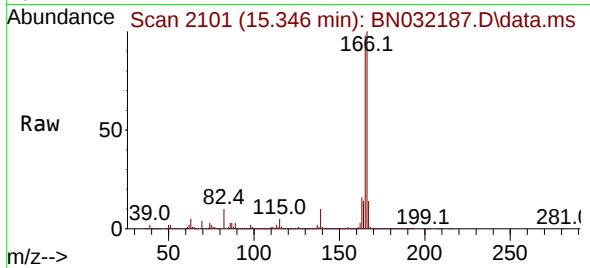
Tgt Ion:168 Resp: 8086600
Ion Ratio Lower Upper
168 100
139 43.3 29.4 44.0





#61
Fluorene
Concen: 180.389 ng/ul
RT: 15.346 min Scan# 2101
Delta R.T. 0.012 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

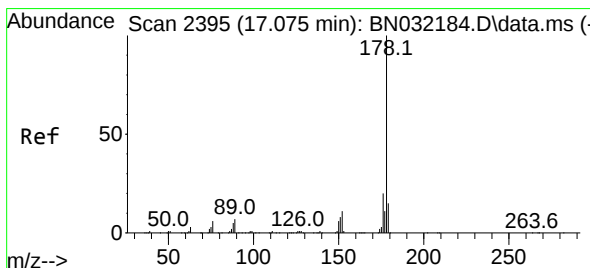
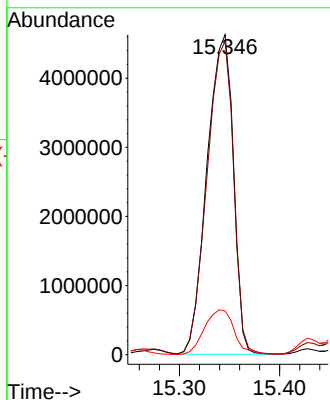
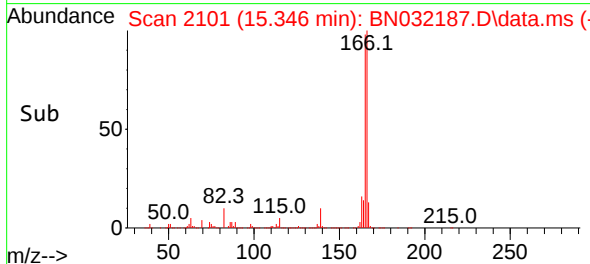
Instrument :
BNA_N
ClientSampleId :
A4D56



Tgt Ion:166 Resp: 843295
Ion Ratio Lower Upper
166 100
165 97.9 80.3 120.5
167 13.7 11.3 16.9

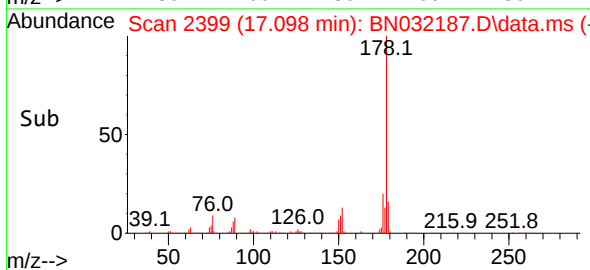
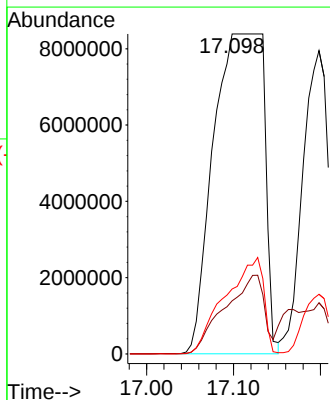
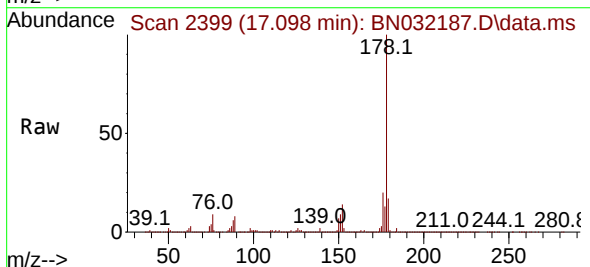
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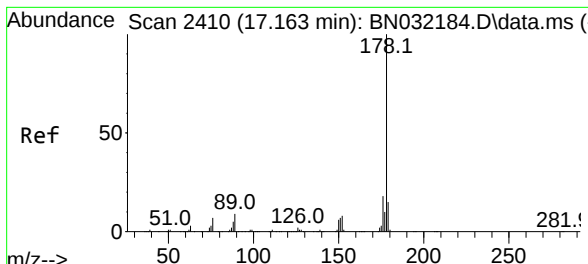
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#72
Phenanthrene
Concen: 565.722 ng/ul m
RT: 17.098 min Scan# 2399
Delta R.T. 0.024 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

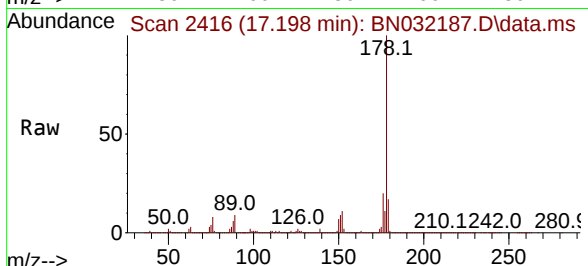
Tgt Ion:178 Resp:33857387
Ion Ratio Lower Upper
178 100
179 16.6 12.6 19.0
176 20.3 15.8 23.6





#74
 Anthracene
 Concen: 249.260 ng/uI
 RT: 17.198 min Scan# 2410
 Delta R.T. 0.036 min
 Lab File: BN032187.D
 Acq: 23 Jun 2024 05:04

Instrument : BNA_N
 ClientSampleId : A4D56

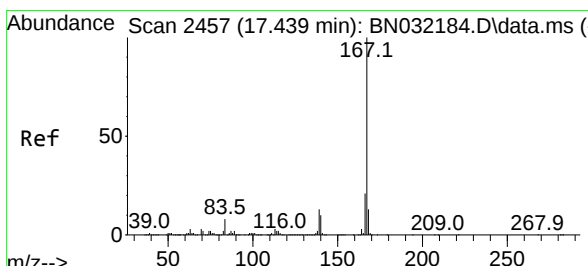
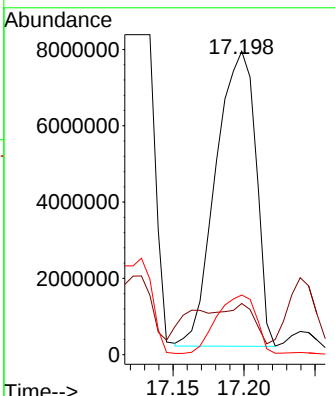
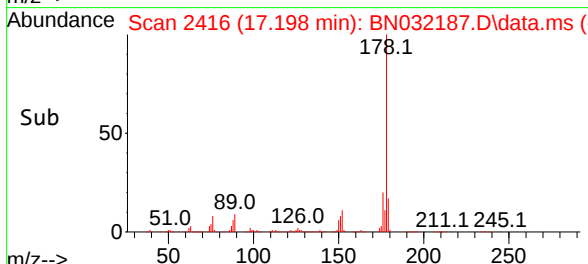


Tgt Ion:178 Resp:15115819

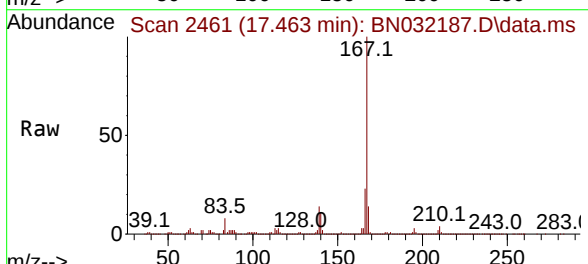
Ion	Ratio	Lower	Upper
178	100		
179	16.9	11.8	17.6
176	19.7	14.8	22.2

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Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/26/2024

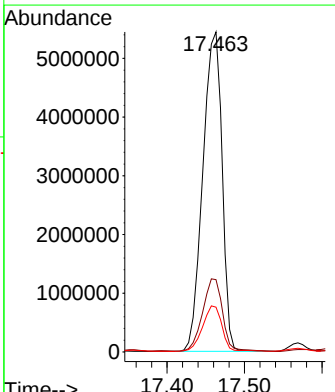
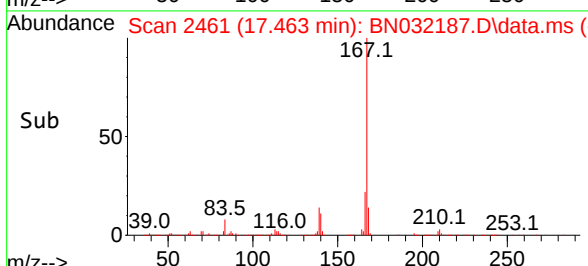


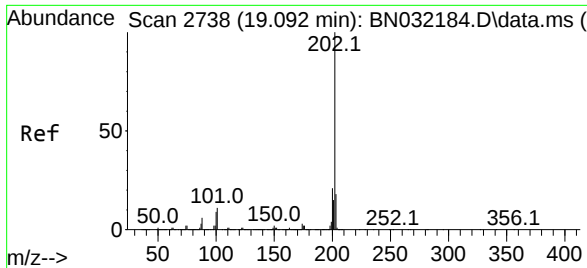
#77
 Carbazole
 Concen: 181.424 ng/uI
 RT: 17.463 min Scan# 2461
 Delta R.T. 0.024 min
 Lab File: BN032187.D
 Acq: 23 Jun 2024 05:04



Tgt Ion:167 Resp: 9381303

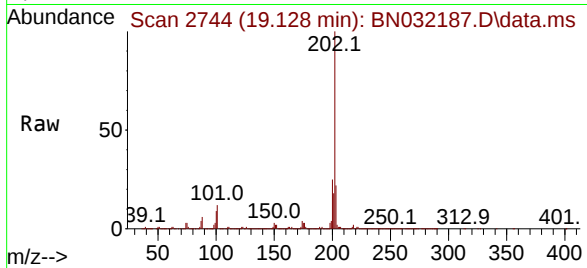
Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.9	26.9
139	14.0	10.5	15.7





#80
Fluoranthene
Concen: 896.272 ng/ul m
RT: 19.128 min Scan# 2738
Delta R.T. 0.030 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

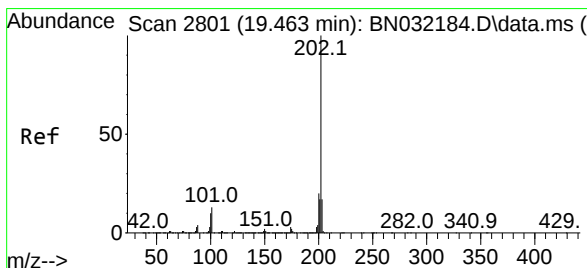
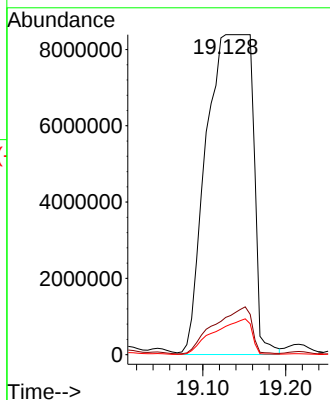
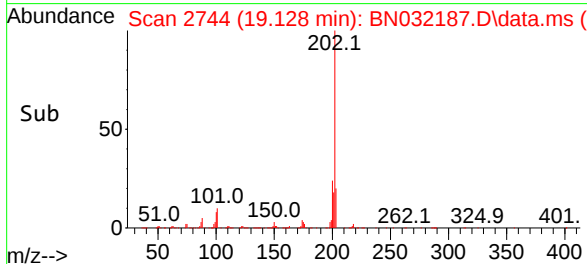
Instrument :
BNA_N
ClientSampleId :
A4D56



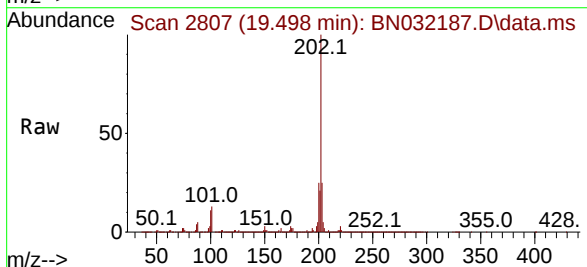
Tgt Ion:202 Resp:3258114
Ion Ratio Lower Upper
202 100
101 11.7 10.3 15.5
100 8.8 8.0 12.0

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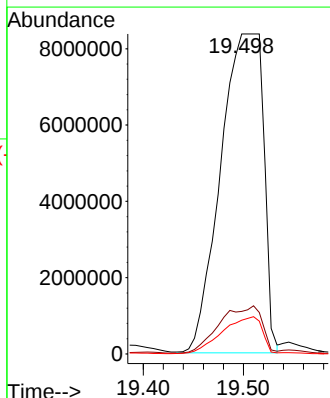
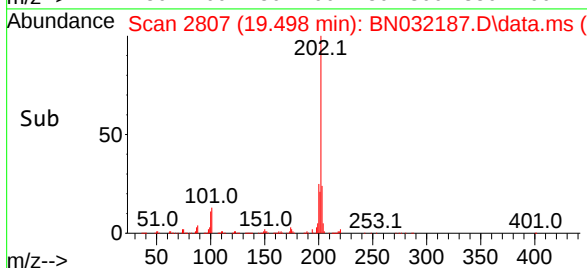
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

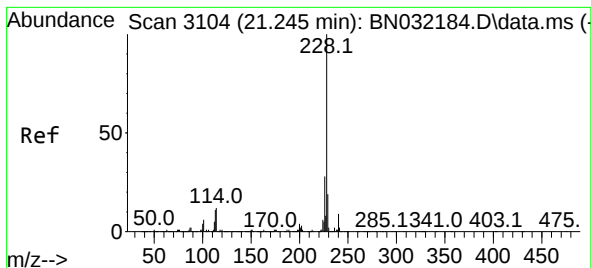


#82
Pyrene
Concen: 668.375 ng/ul m
RT: 19.498 min Scan# 2807
Delta R.T. 0.036 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04



Tgt Ion:202 Resp:24928312
Ion Ratio Lower Upper
202 100
101 13.3 12.6 18.8
100 10.5 10.2 15.2





#85

Benzo(a)anthracene

Concen: 590.417 ng/ul

RT: 21.292 min Scan# 3112

Delta R.T. 0.042 min

Lab File: BN032187.D

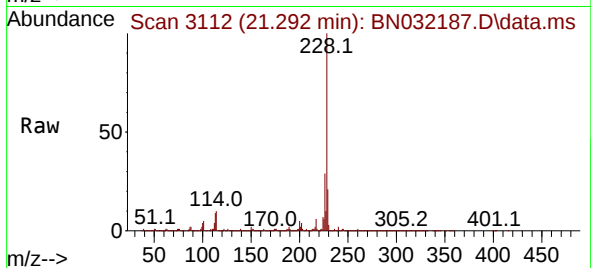
Acq: 23 Jun 2024 05:04

Instrument :

BNA_N

ClientSampleId :

A4D56



Tgt Ion:228 Resp:2246354

Ion Ratio Lower Upper

228 100

229 21.4 16.7 25.1

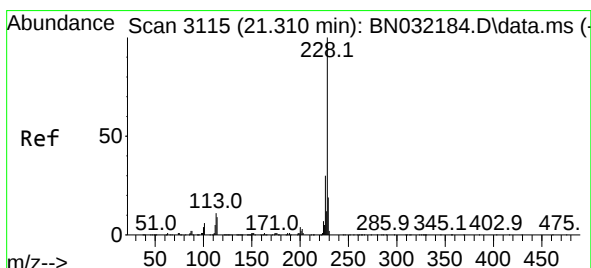
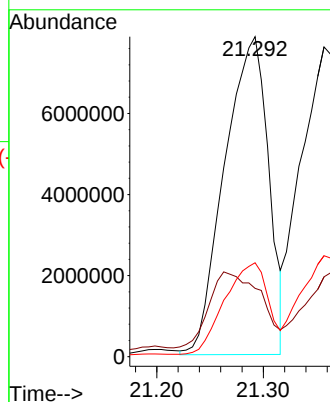
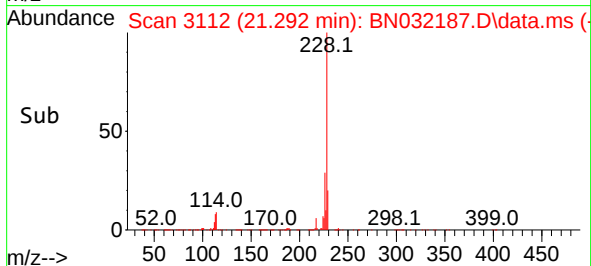
226 29.3 22.8 34.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/26/2024



#87

Chrysene

Concen: 540.216 ng/ul m

RT: 21.357 min Scan# 3123

Delta R.T. 0.047 min

Lab File: BN032187.D

Acq: 23 Jun 2024 05:04

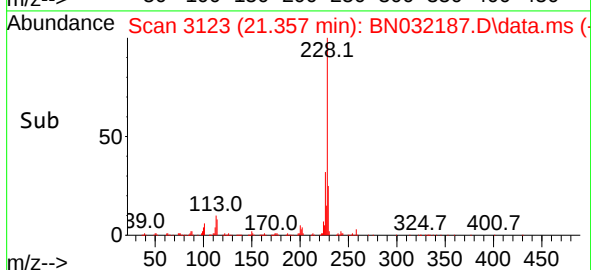
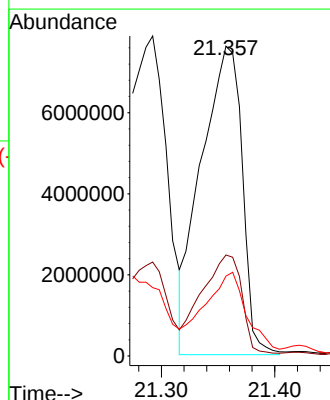
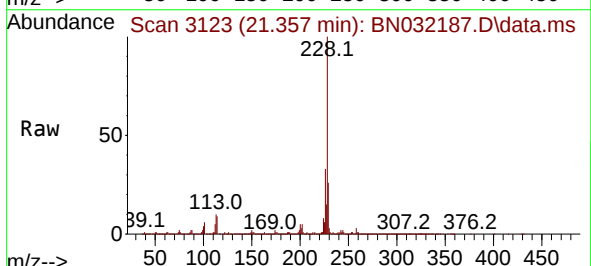
Tgt Ion:228 Resp:19198456

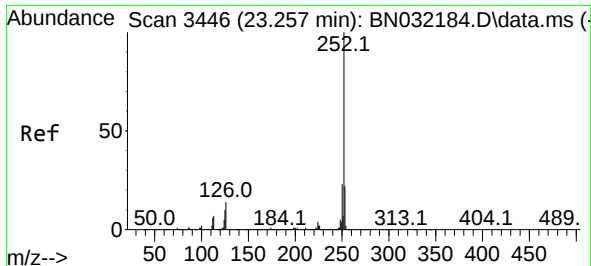
Ion Ratio Lower Upper

228 100

226 32.6 23.7 35.5

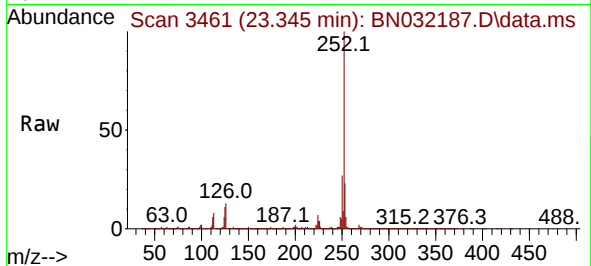
229 25.8 15.1 22.7#





#90
Benzo(b)fluoranthene
Concen: 323.469 ng/ul m
RT: 23.345 min Scan# 3446
Delta R.T. 0.083 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

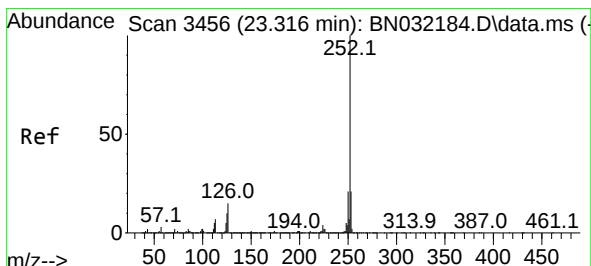
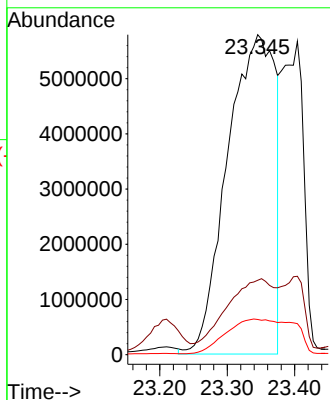
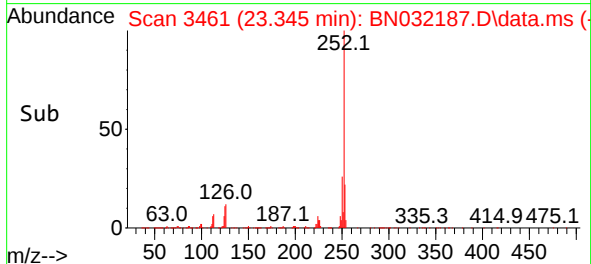
Instrument :
BNA_N
ClientSampleId :
A4D56



Tgt Ion:252 Resp:2835906
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 11.0 9.2 13.8

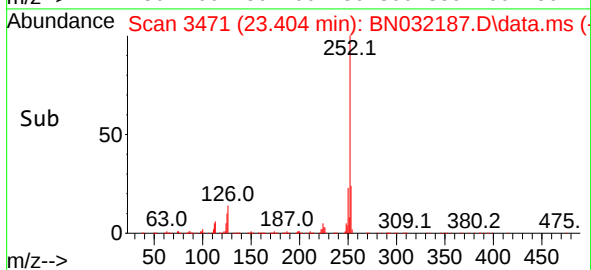
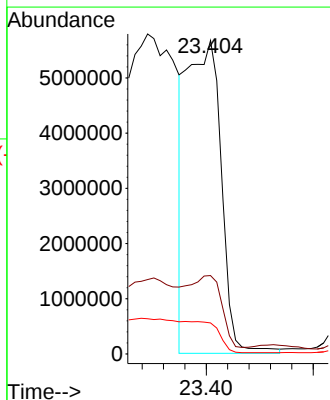
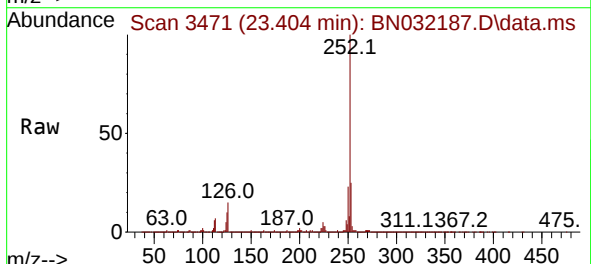
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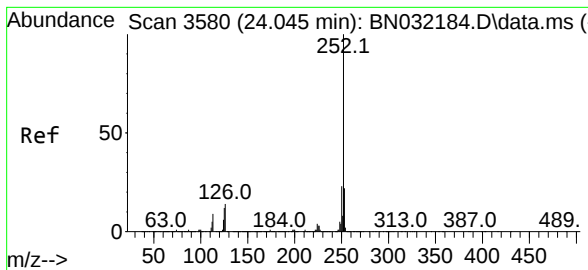
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#91
Benzo(k)fluoranthene
Concen: 147.477 ng/ul m
RT: 23.404 min Scan# 3471
Delta R.T. 0.083 min
Lab File: BN032187.D
Acq: 23 Jun 2024 05:04

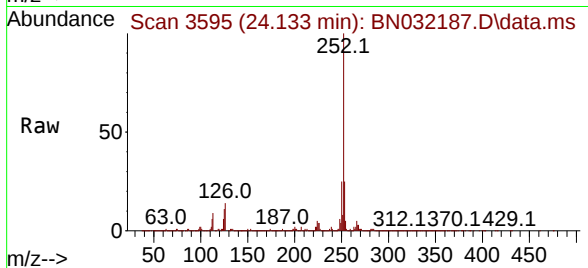
Tgt Ion:252 Resp:12687335
Ion Ratio Lower Upper
252 100
253 25.0 17.6 26.4
125 9.9 9.4 14.2





#93
 Benzo(a)pyrene
 Concen: 195.519 ng/ul
 RT: 24.133 min Scan# 31
 Delta R.T. 0.094 min
 Lab File: BN032187.D
 Acq: 23 Jun 2024 05:04

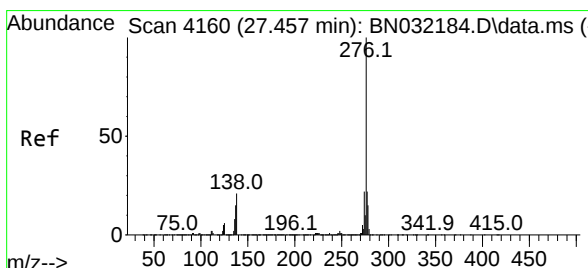
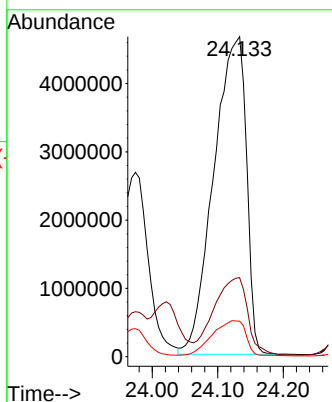
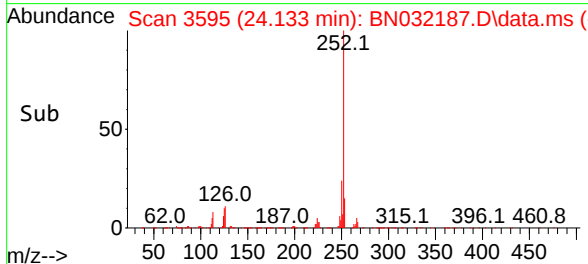
Instrument :
 BNA_N
 ClientSampleId :
 A4D56



Tgt Ion:252 Resp:1605454
 Ion Ratio Lower Upper
 252 100
 253 24.7 16.6 24.8
 125 11.1 9.8 14.8

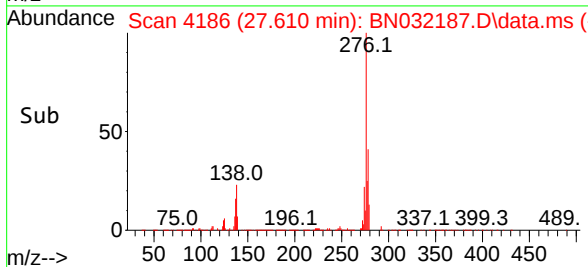
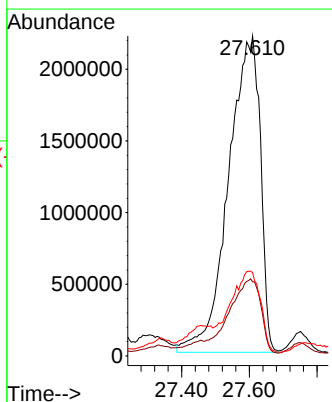
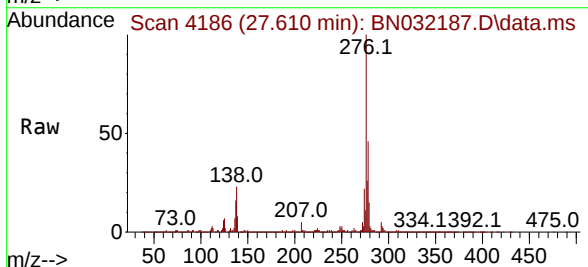
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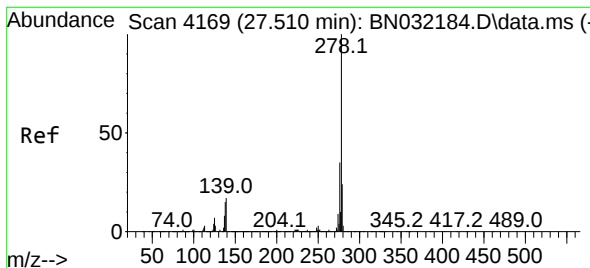
Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/26/2024



#94
 Indeno(1,2,3-cd)pyrene
 Concen: 152.189 ng/ul m
 RT: 27.610 min Scan# 4186
 Delta R.T. 0.165 min
 Lab File: BN032187.D
 Acq: 23 Jun 2024 05:04

Tgt Ion:276 Resp:14400290
 Ion Ratio Lower Upper
 276 100
 138 23.2 18.1 27.1
 277 26.0 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 68.312 ng/ul

RT: 27.621 min Scan# 4169

Delta R.T. 0.118 min

Lab File: BN032187.D

Acq: 23 Jun 2024 05:04

Instrument :

BNA_N

ClientSampleId :

A4D56

Tgt Ion:278 Resp: 527711

Ion Ratio Lower Upper

278 100

139 17.0 15.0 22.6

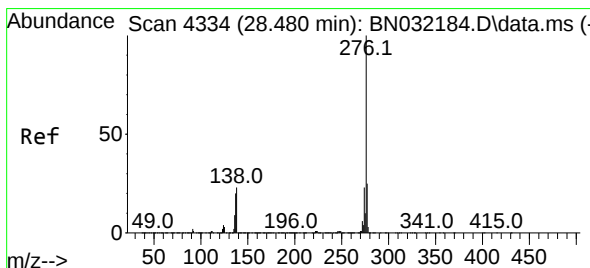
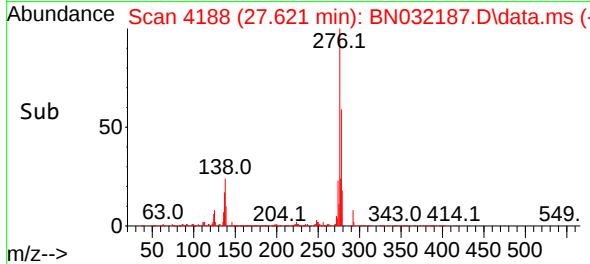
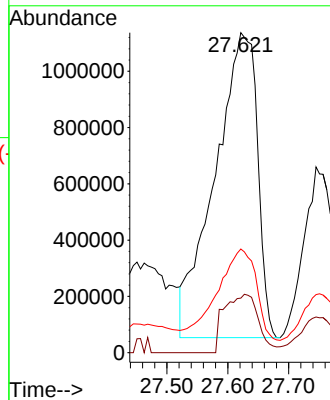
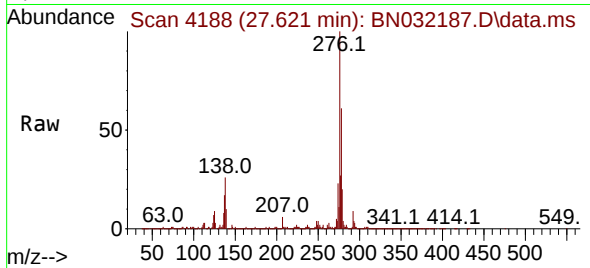
279 32.4 17.4 26.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/26/2024



#96

Benzo(g,h,i)perylene

Concen: 25.864 ng/ul

RT: 28.586 min Scan# 4352

Delta R.T. 0.118 min

Lab File: BN032187.D

Acq: 23 Jun 2024 05:04

Tgt Ion:276 Resp: 1945385

Ion Ratio Lower Upper

276 100

138 24.7 20.9 31.3

277 28.0 18.0 27.0

