

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062424\
 Data File : BN032237.D
 Acq On : 25 Jun 2024 11:22
 Operator : MA/JU
 Sample : P2844-16
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4C78

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :Jagrut Upadhyay 06/26/2024

Quant Time: Jun 25 12:19:36 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	7.628	152	309015	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	1212027	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.275	164	725106	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.028	188	1435744	20.000	ng/u1	0.00
79) Chrysene-d12	21.269	240	1250121	20.000	ng/u1	0.00
88) Perylene-d12	24.192	264	1524968	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.169	96	25641	3.433	ng/uL	0.00
4) Pyridine-d5	3.593	84	16738	0.796	ng/u1	0.02
7) Phenol-d5	6.816	99	465172	17.559	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	273864	17.674	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	436649	21.602	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	374413	17.338	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	219355	23.670	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	225413	23.547	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	376460	21.065	ng/u1	0.00
31) 4-Chloroaniline-d4	10.569	131	53367	2.011	ng/u1	0.00
46) Dimethylphthalate-d6	13.692	166	1114367	22.060	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	1359259	23.401	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	85699	8.473	ng/u1	0.02
60) Fluorene-d10	15.269	176	970389	22.703	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.416	200	73295	10.156	ng/u1	0.00
73) Anthracene-d10	17.128	188	1437502	23.386	ng/u1	0.00
81) Pyrene-d10	19.433	212	1436068	21.467	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.992	264	1217022	16.713	ng/u1	0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.452	105	84119	2.570	ng/u1	95
30) Naphthalene	10.457	128	64453	1.028	ng/u1	98
50) Acenaphthylene	13.992	152	179423	2.733	ng/u1	98
52) Acenaphthene	14.339	153	99750	2.297	ng/u1	96
56) Dibenzofuran	14.675	168	86646	1.468	ng/u1	99
61) Fluorene	15.328	166	121189	2.550	ng/u1	99
72) Phenanthrene	17.069	178	2333239	31.902	ng/u1	98
74) Anthracene	17.163	178	538778	7.270	ng/u1	98
77) Carbazole	17.439	167	283347	4.484	ng/u1	99
78) Di-n-butylphthalate	17.998	149	103186	1.187	ng/u1	98
80) Fluoranthene	19.098	202	4387611	54.881	ng/u1	96
82) Pyrene	19.463	202	3283918m	40.035	ng/u1	
83) Butylbenzylphthalate	20.369	149	69019	1.781	ng/u1	97
85) Benzo(a)anthracene	21.251	228	1990910	23.793	ng/u1	100
86) Bis(2-ethylhexyl)phtha...	21.169	149	733397	12.986	ng/u1	97
87) Chrysene	21.310	228	2237938	28.633	ng/u1	97
90) Benzo(b)fluoranthene	23.268	252	3199435	35.100	ng/u1	99
91) Benzo(k)fluoranthene	23.321	252	1032813m	11.547	ng/u1	
93) Benzo(a)pyrene	24.057	252	1322400	15.490	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.480	276	1263826	12.847	ng/u1	98
95) Dibenzo(a,h)anthracene	27.515	278	419353	5.221	ng/u1#	90
96) Benzo(g,h,i)perylene	28.515	276	182906	2.339	ng/u1	94

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

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

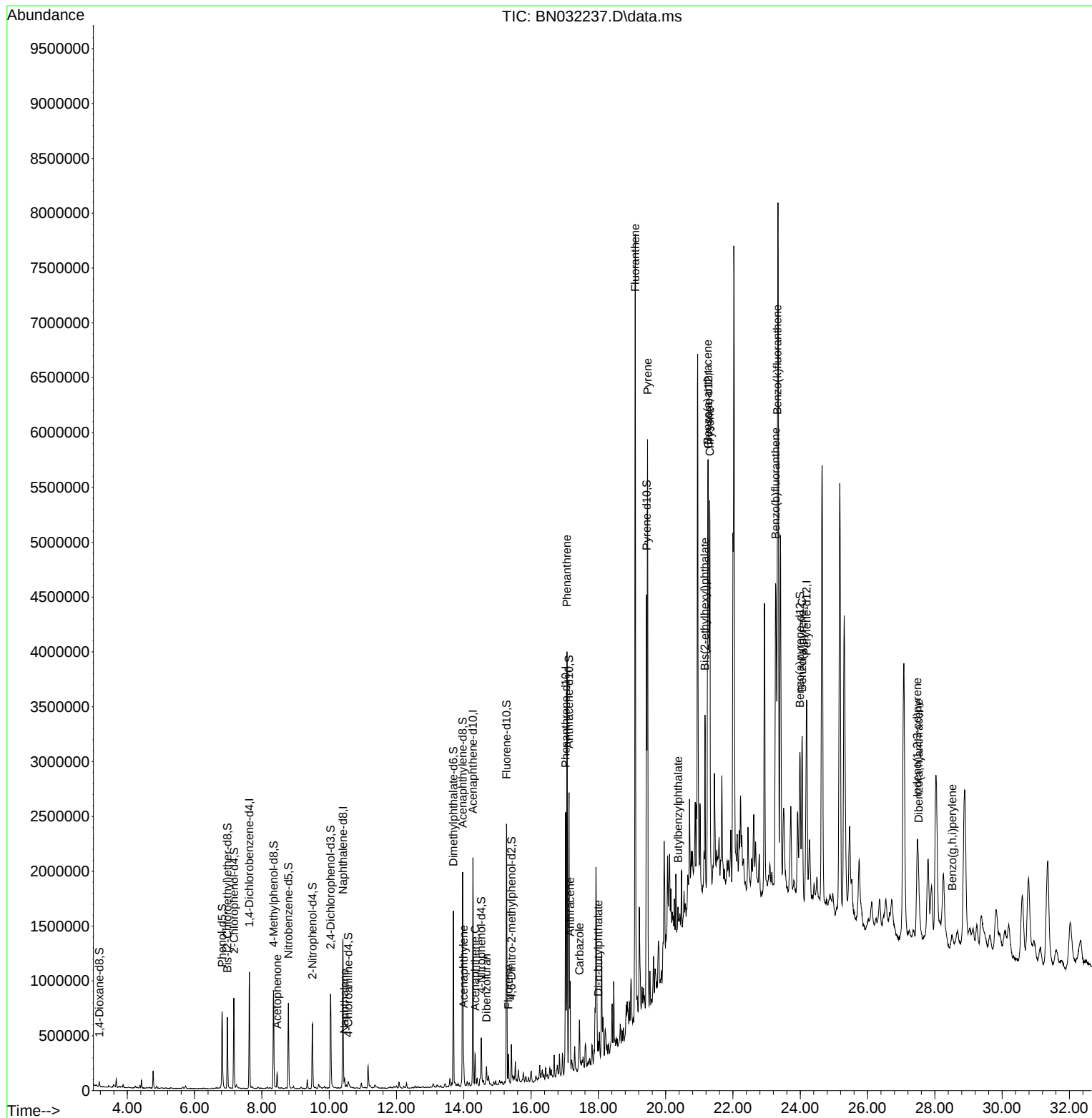
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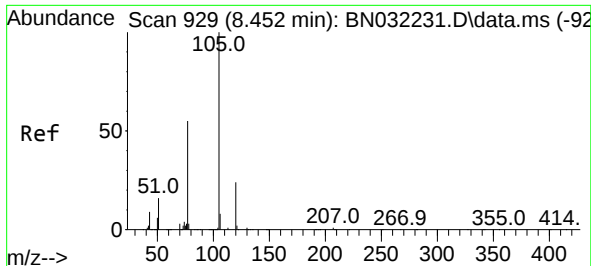
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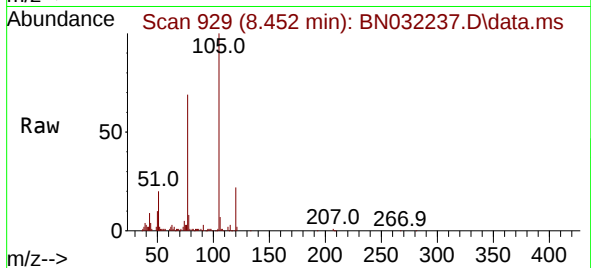
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#16
Acetophenone
Concen: 2.570 ng/ul
RT: 8.452 min Scan# 911
Delta R.T. -0.012 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

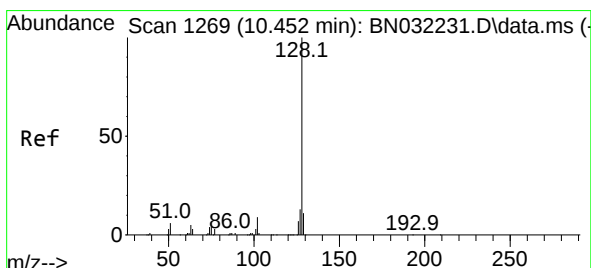
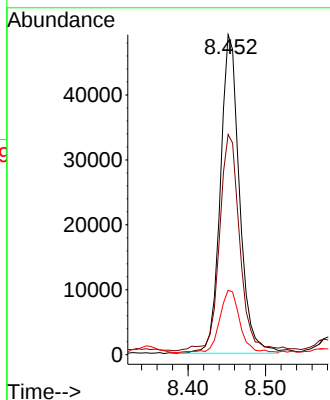
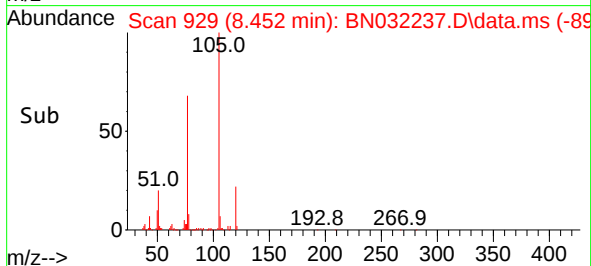
Instrument :
BNA_N
ClientSampleId :
A4C78



Tgt Ion:105 Resp: 84119
Ion Ratio Lower Upper
105 100
77 68.8 58.6 87.8
51 20.2 17.2 25.8

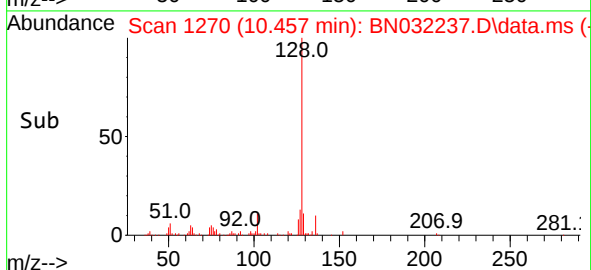
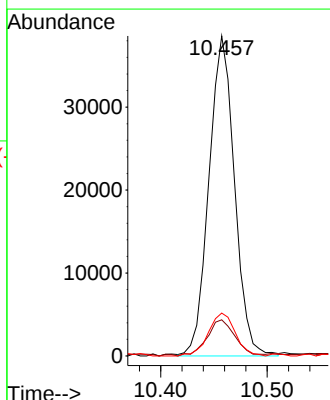
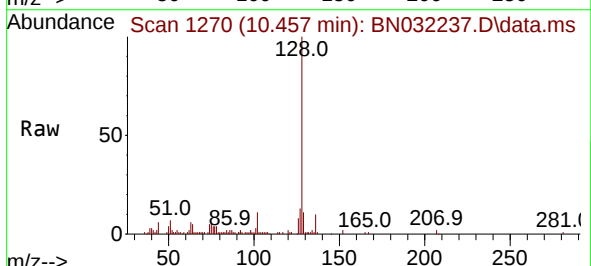
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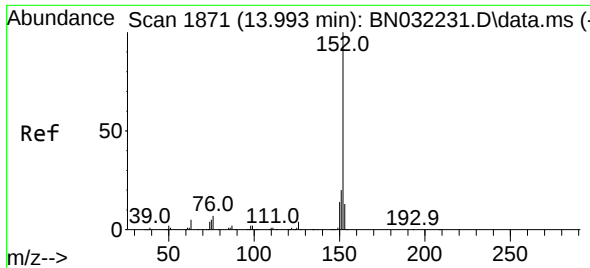
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#30
Naphthalene
Concen: 1.028 ng/ul
RT: 10.457 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

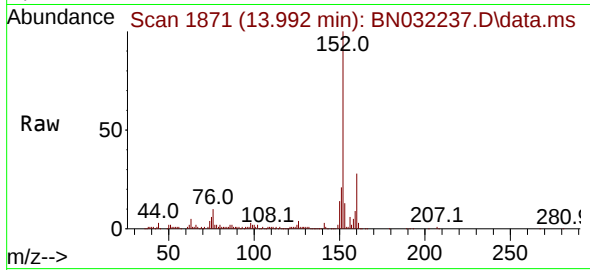
Tgt Ion:128 Resp: 64453
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 13.4 10.3 15.5





#50
Acenaphthylene
Concen: 2.733 ng/ul
RT: 13.992 min Scan# 1871
Delta R.T. -0.012 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

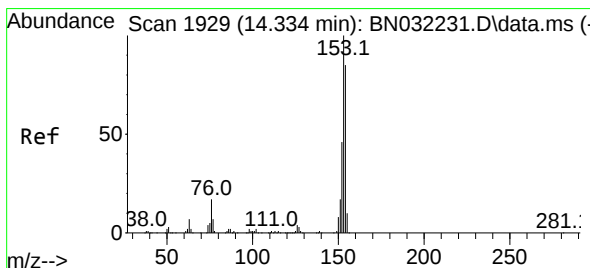
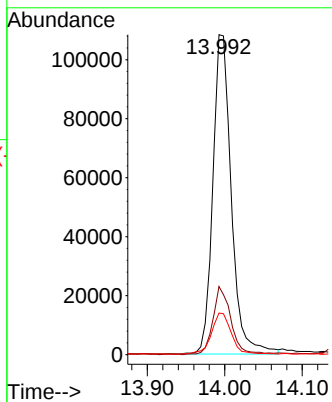
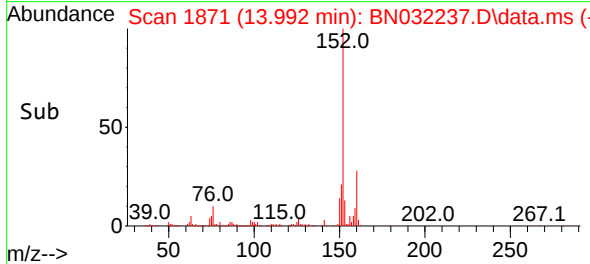
Instrument :
BNA_N
ClientSampleId :
A4C78



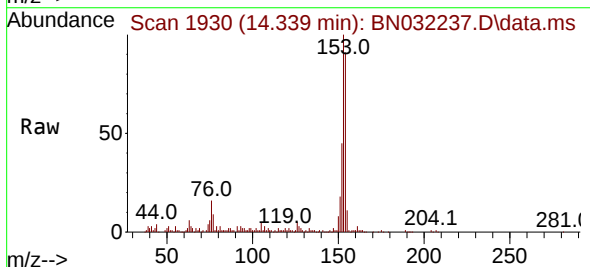
Tgt Ion:152 Resp: 17942
Ion Ratio Lower Upper
152 100
151 21.3 15.9 23.9
153 13.0 10.4 15.6

Manual Integrations
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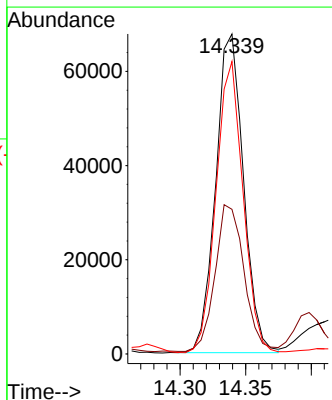
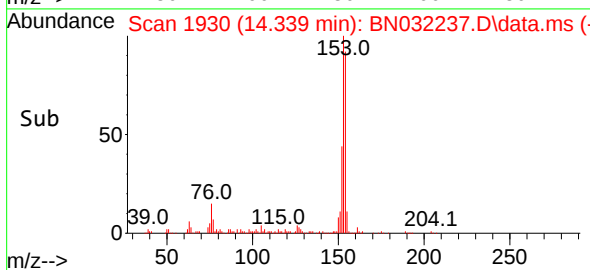
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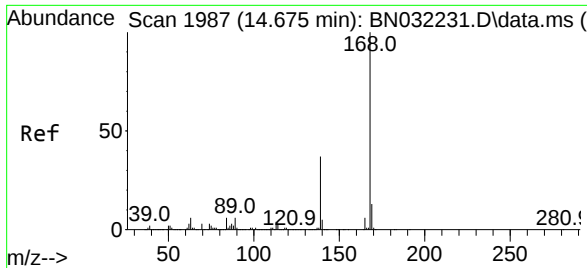


#52
Acenaphthene
Concen: 2.297 ng/ul
RT: 14.339 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22



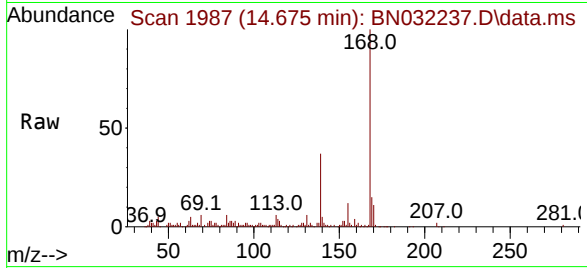
Tgt Ion:153 Resp: 99750
Ion Ratio Lower Upper
153 100
152 45.2 37.8 56.6
154 91.4 69.8 104.8





#56
Dibenzenofuran
Concen: 1.468 ng/ul
RT: 14.675 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

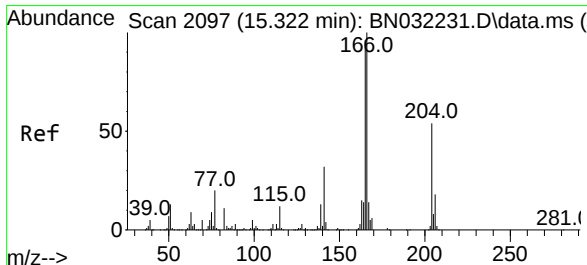
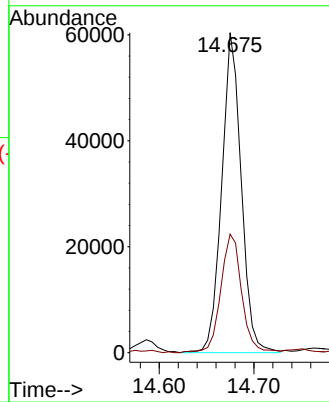
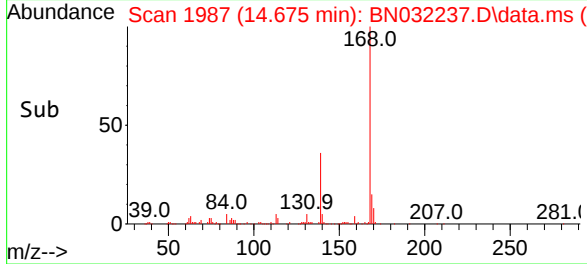
Instrument :
BNA_N
ClientSampleId :
A4C78



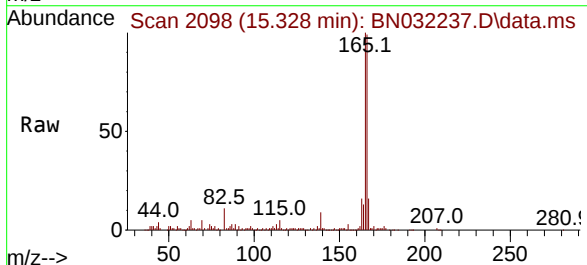
Tgt Ion:168 Resp: 86640
Ion Ratio Lower Upper
168 100
139 37.1 29.4 44.0

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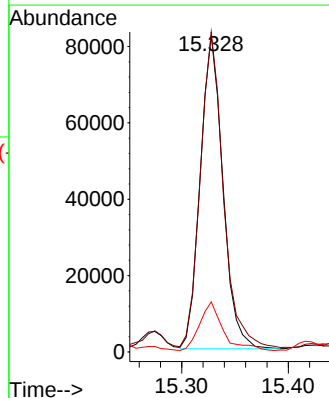
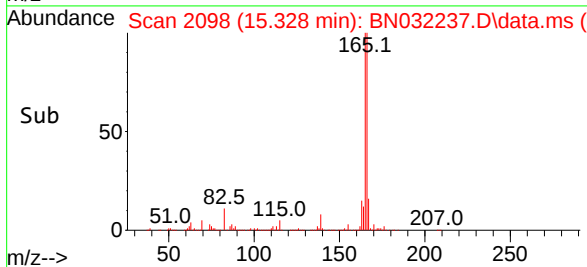
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024

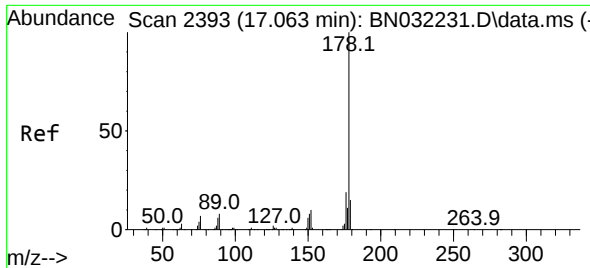


#61
Fluorene
Concen: 2.550 ng/ul
RT: 15.328 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22



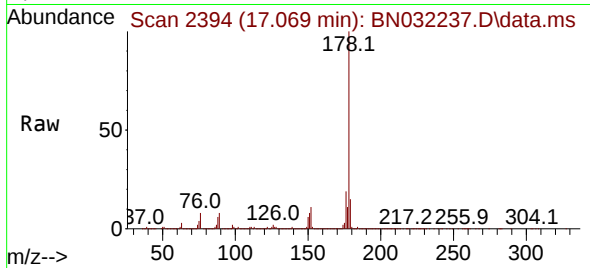
Tgt Ion:166 Resp: 121189
Ion Ratio Lower Upper
166 100
165 101.1 80.3 120.5
167 15.8 11.3 16.9





#72
Phenanthrene
Concen: 31.902 ng/u1
RT: 17.069 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

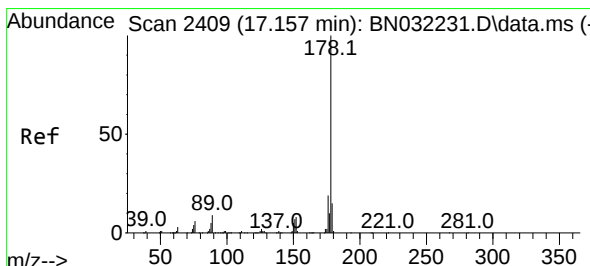
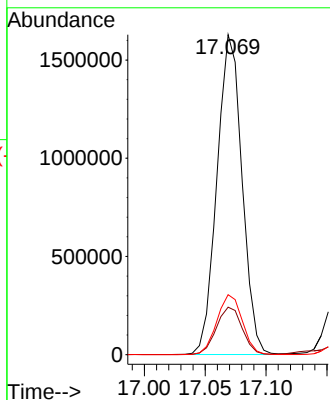
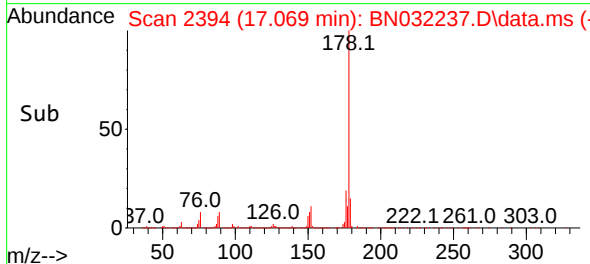
Instrument :
BNA_N
ClientSampleId :
A4C78



Tgt Ion:178 Resp: 2333239
Ion Ratio Lower Upper
178 100
179 14.9 12.6 19.0
176 18.8 15.8 23.6

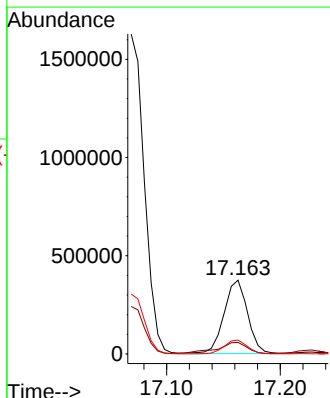
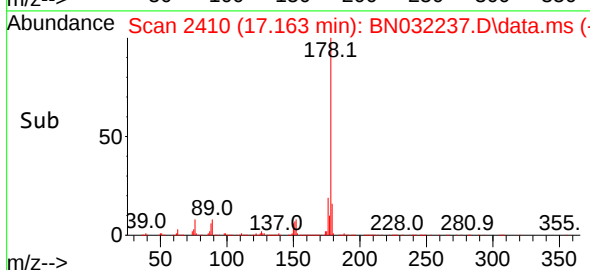
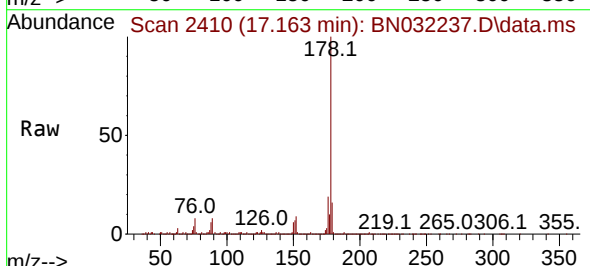
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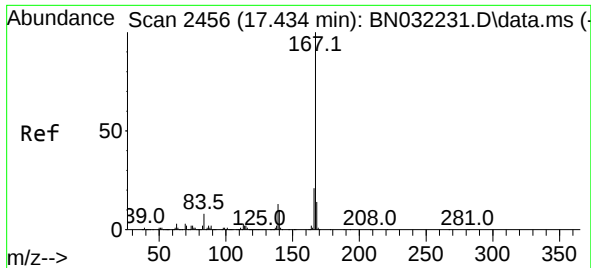
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#74
Anthracene
Concen: 7.270 ng/u1
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

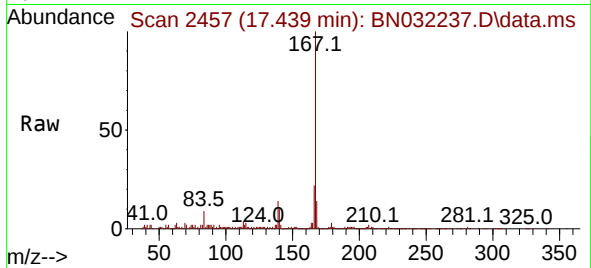
Tgt Ion:178 Resp: 538778
Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.6
176 18.9 14.8 22.2





#77
 Carbazole
 Concen: 4.484 ng/ul
 RT: 17.439 min Scan# 2456
 Delta R.T. 0.000 min
 Lab File: BN032237.D
 Acq: 25 Jun 2024 11:22

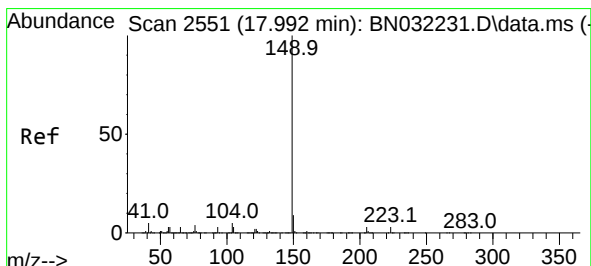
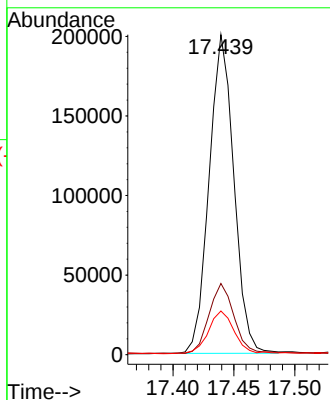
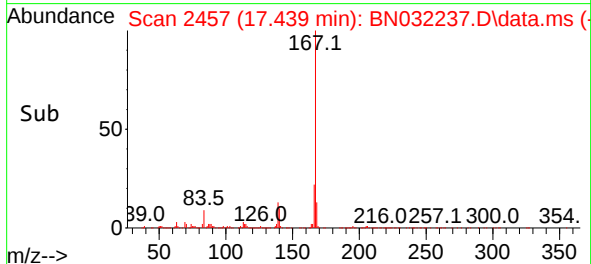
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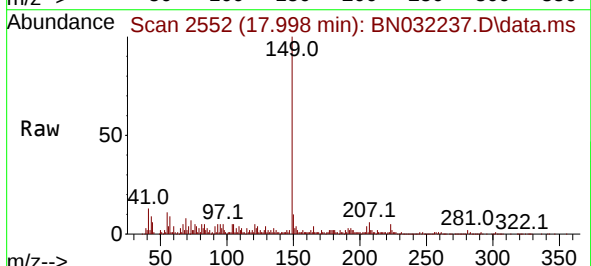
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 Ion Ratio Lower Upper
 167 100
 166 22.3 17.9 26.9
 139 13.7 10.5 15.7

Manual Integrations
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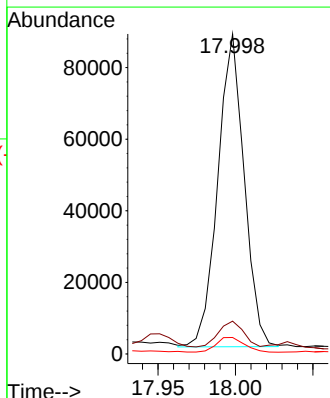
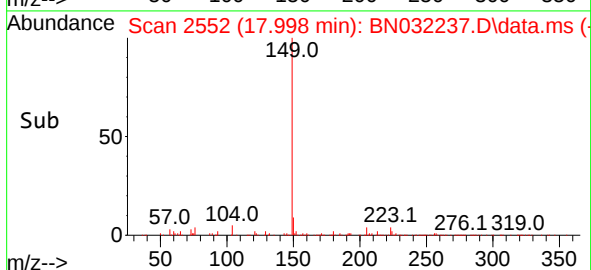
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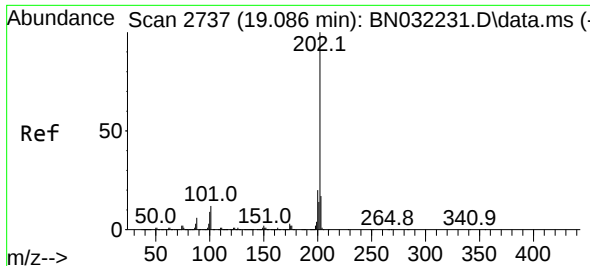


#78
 Di-n-butylphthalate
 Concen: 1.187 ng/ul
 RT: 17.998 min Scan# 2552
 Delta R.T. -0.006 min
 Lab File: BN032237.D
 Acq: 25 Jun 2024 11:22



Tgt Ion:149 Resp: 103186
 Ion Ratio Lower Upper
 149 100
 150 10.3 7.4 11.0
 104 5.1 4.1 6.1





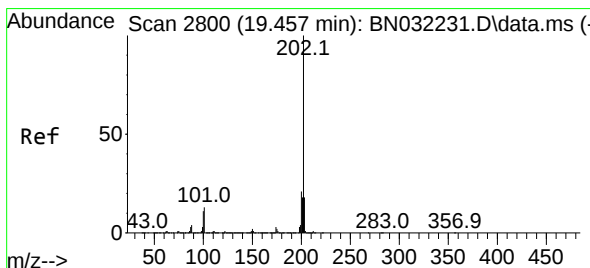
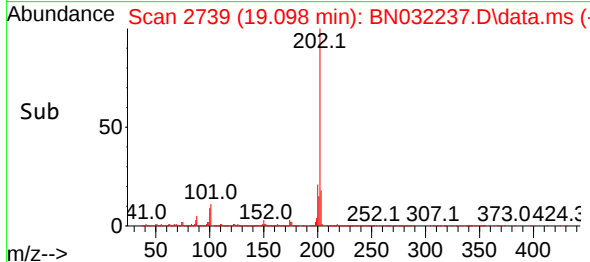
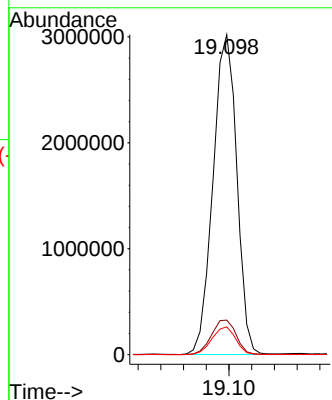
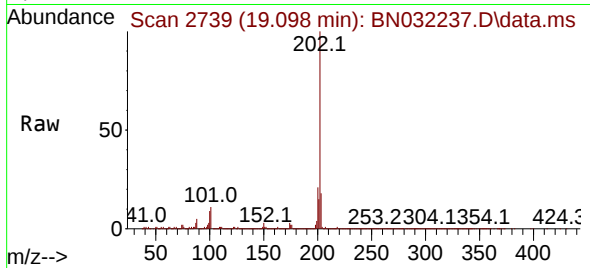
#80
Fluoranthene
Concen: 54.881 ng/ul
RT: 19.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

Instrument :
BNA_N
ClientSampleId :
A4C78

Tgt Ion:202 Resp: 438761
Ion Ratio Lower Upper
202 100
101 10.8 10.3 15.5
100 8.7 8.0 12.0

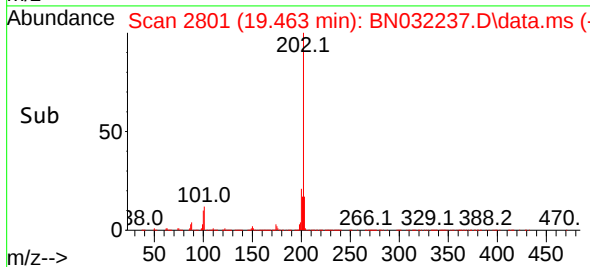
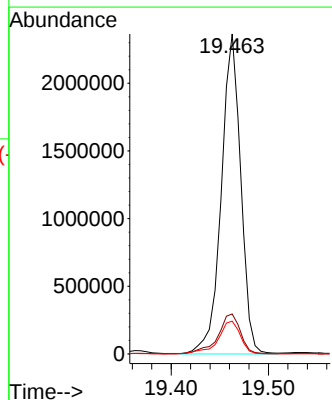
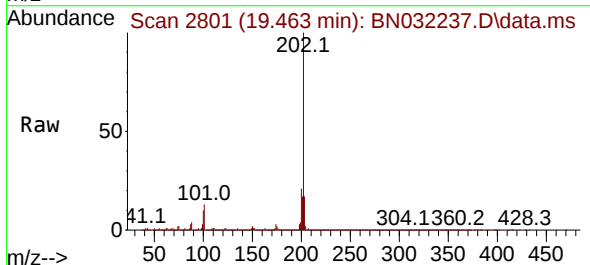
Manual Integrations
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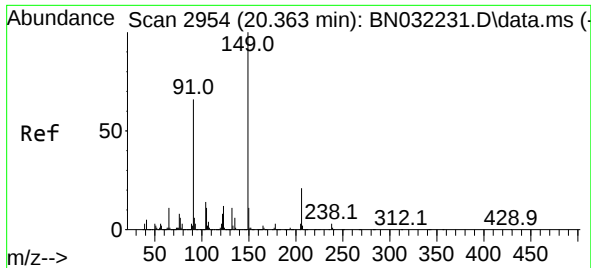
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#82
Pyrene
Concen: 40.035 ng/ul m
RT: 19.463 min Scan# 2801
Delta R.T. 0.000 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

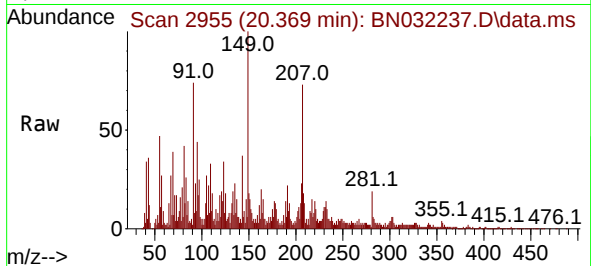
Tgt Ion:202 Resp: 3283918
Ion Ratio Lower Upper
202 100
101 12.5 12.6 18.8#
100 10.3 10.2 15.2





#83
Butylbenzylphthalate
Concen: 1.781 ng/ul
RT: 20.369 min Scan# 2954
Delta R.T. 0.000 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

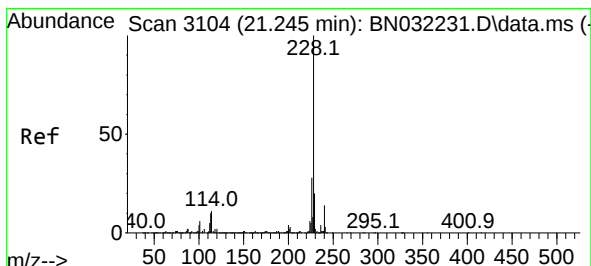
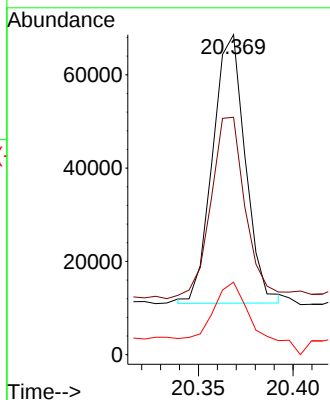
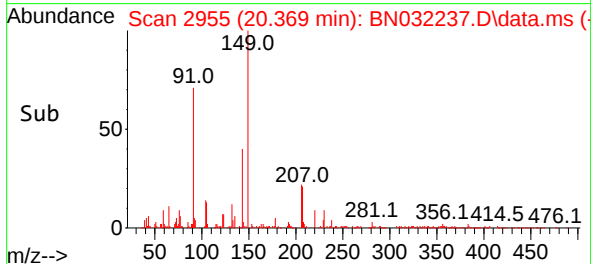
Instrument :
BNA_N
ClientSampleId :
A4C78



Tgt Ion:149 Resp: 69019
Ion Ratio Lower Upper
149 100
91 74.2 61.0 91.4
206 22.6 16.5 24.7

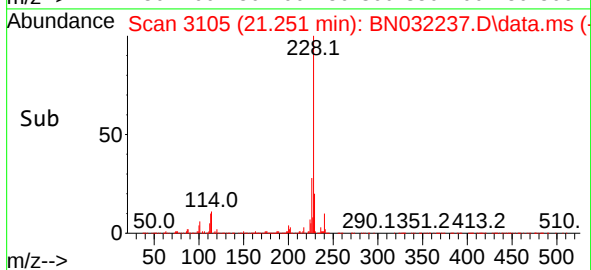
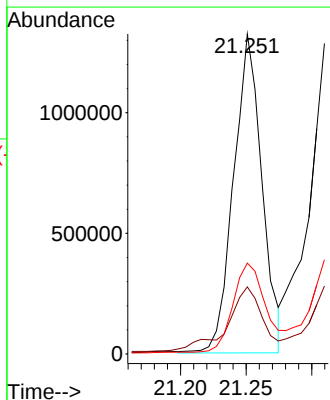
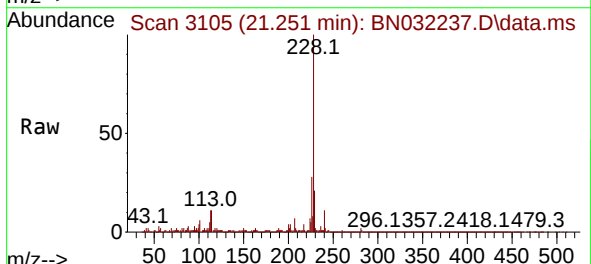
Manual Integrations
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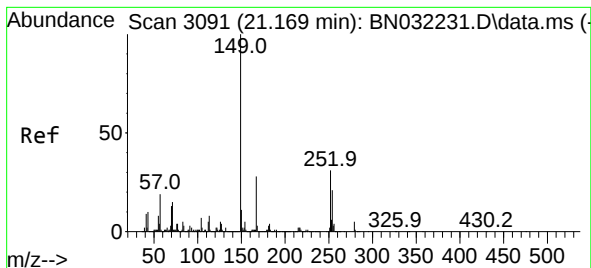
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#85
Benzo(a)anthracene
Concen: 23.793 ng/ul
RT: 21.251 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

Tgt Ion:228 Resp: 1990910
Ion Ratio Lower Upper
228 100
229 21.0 16.7 25.1
226 28.4 22.8 34.2





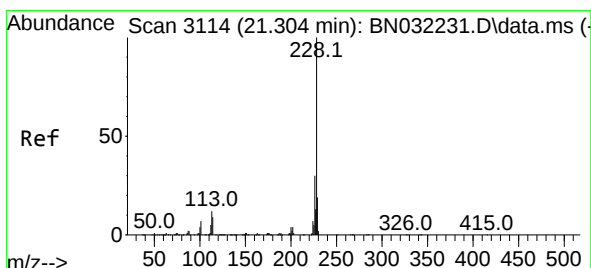
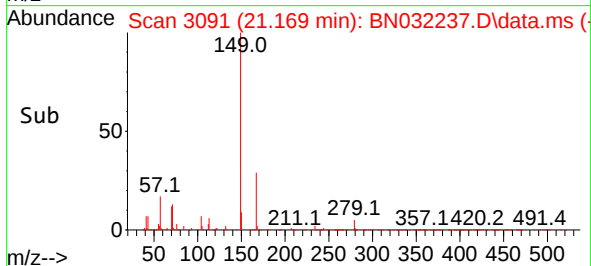
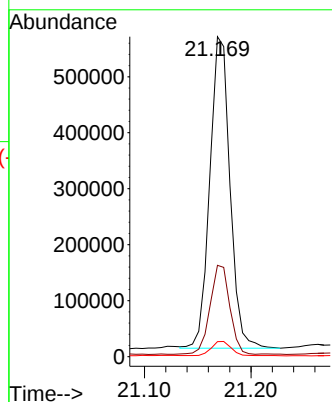
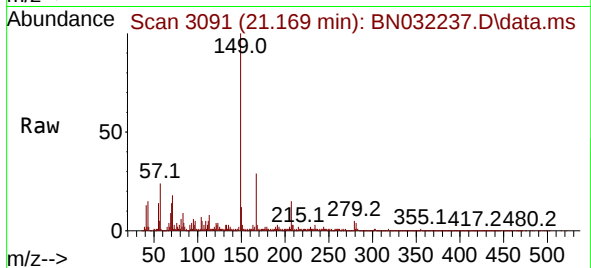
#86
Bis(2-ethylhexyl)phthalate
Concen: 12.986 ng/ul
RT: 21.169 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

Instrument :
BNA_N
ClientSampleId :
A4C78

Tgt Ion:149 Resp: 733397
Ion Ratio Lower Upper
149 100
167 28.5 21.4 32.0
279 4.7 3.3 4.9

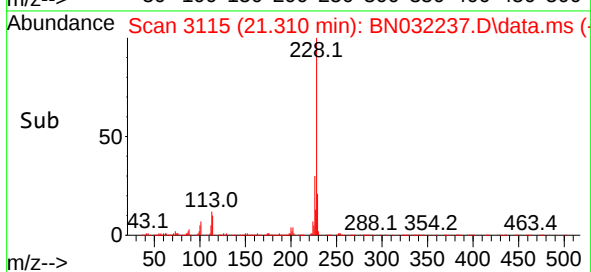
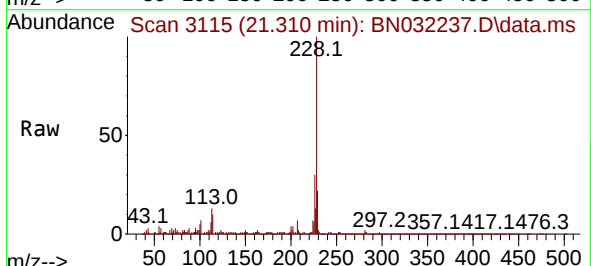
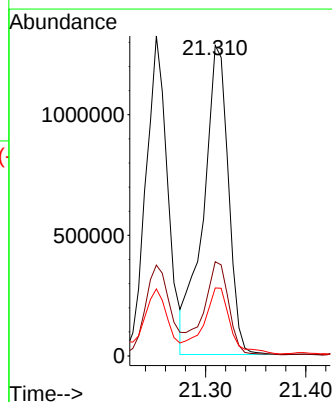
Manual Integrations
APPROVED

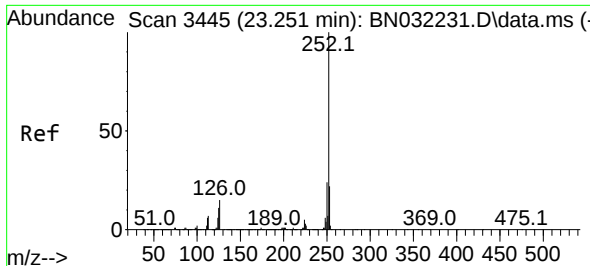
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#87
Chrysene
Concen: 28.633 ng/ul
RT: 21.310 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

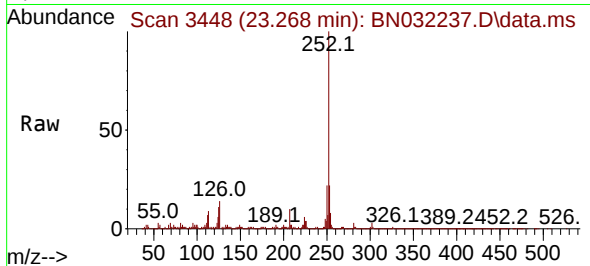
Tgt Ion:228 Resp: 2237938
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 21.9 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 35.100 ng/ul
RT: 23.268 min Scan# 3445
Delta R.T. 0.006 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

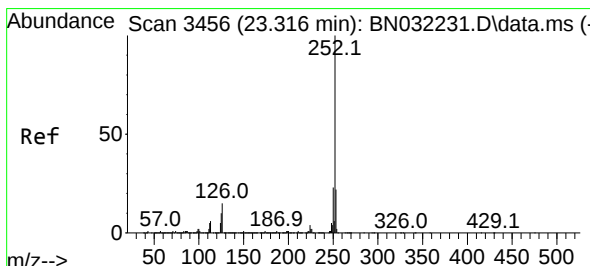
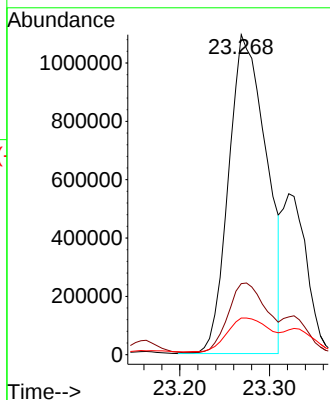
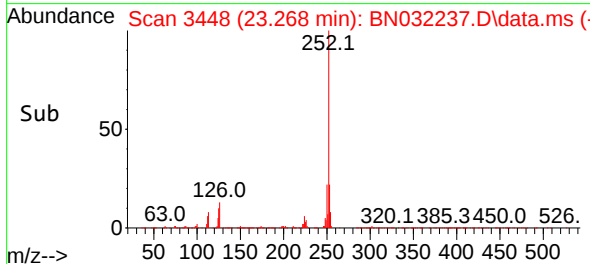
Instrument :
BNA_N
ClientSampleId :
A4C78



Tgt Ion:252 Resp: 319943
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.4 9.2 13.8

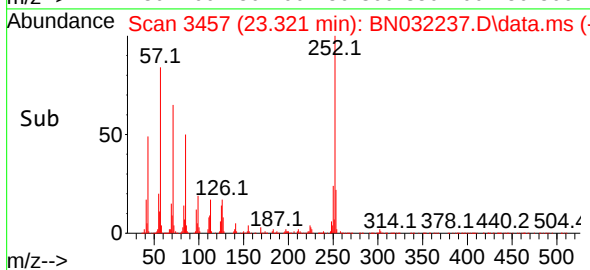
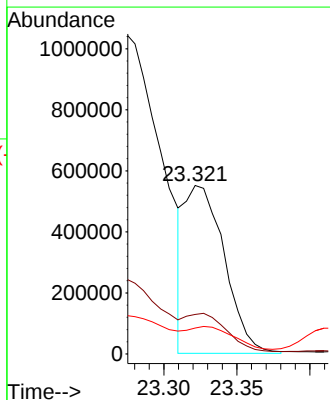
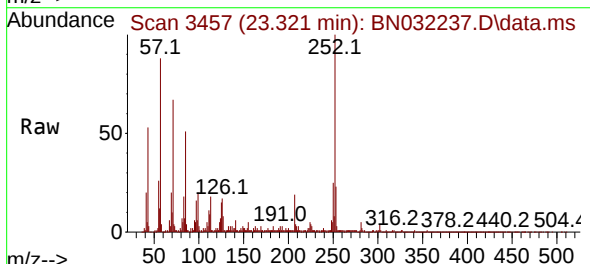
Manual Integrations
APPROVED

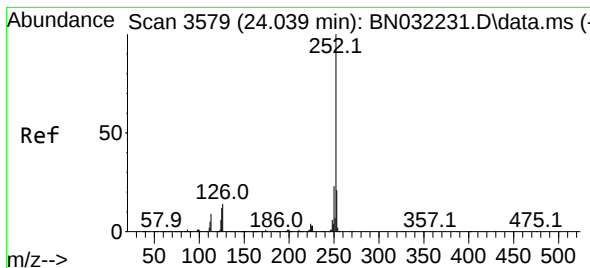
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#91
Benzo(k)fluoranthene
Concen: 11.547 ng/ul m
RT: 23.321 min Scan# 3457
Delta R.T. 0.000 min
Lab File: BN032237.D
Acq: 25 Jun 2024 11:22

Tgt Ion:252 Resp: 1032813
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 15.4 9.4 14.2#





#93

Benzo(a)pyrene

Concen: 15.490 ng/ul

RT: 24.057 min Scan# 3582

Delta R.T. 0.018 min

Lab File: BN032237.D

Acq: 25 Jun 2024 11:22

Instrument :

BNA_N

ClientSampleId :

A4C78

Tgt Ion:252 Resp: 1322400

Ion Ratio Lower Upper

252 100

253 22.7 16.6 24.8

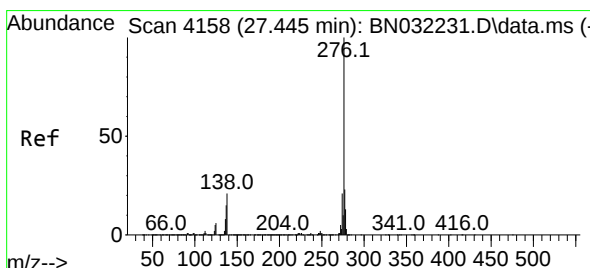
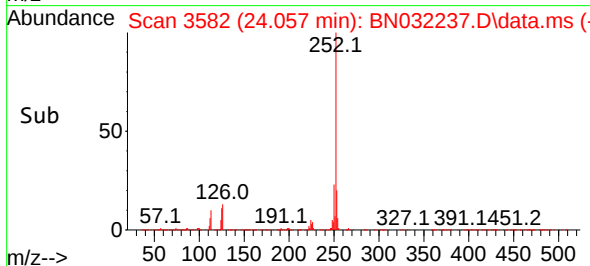
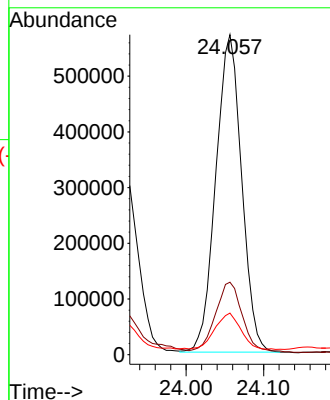
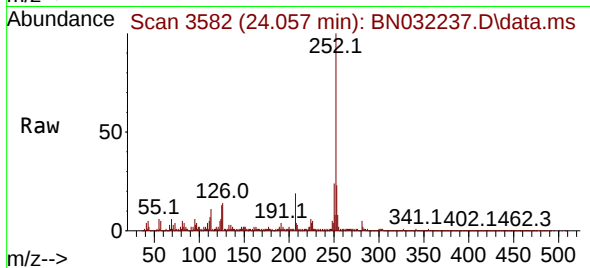
125 13.0 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :Jagrut Upadhyay 06/26/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 12.847 ng/ul

RT: 27.480 min Scan# 4164

Delta R.T. 0.035 min

Lab File: BN032237.D

Acq: 25 Jun 2024 11:22

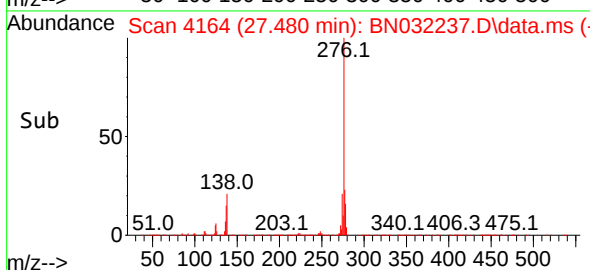
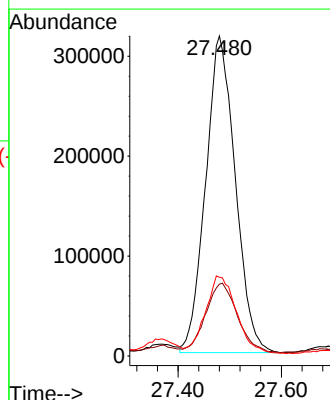
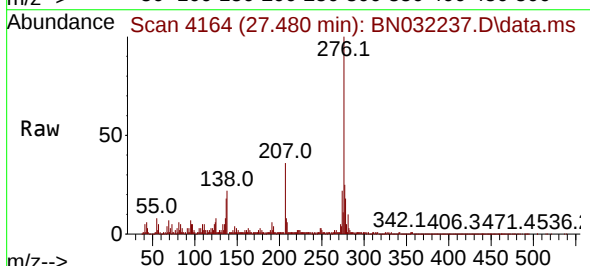
Tgt Ion:276 Resp: 1263826

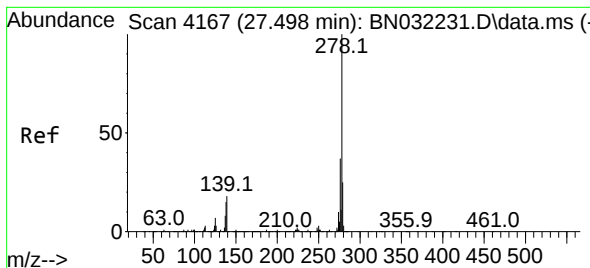
Ion Ratio Lower Upper

276 100

138 22.4 18.1 27.1

277 24.6 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 5.221 ng/ul

RT: 27.515 min Scan# 4167

Delta R.T. 0.012 min

Lab File: BN032237.D

Acq: 25 Jun 2024 11:22

Instrument :

BNA_N

ClientSampleId :

A4C78

Tgt Ion:278 Resp: 41935

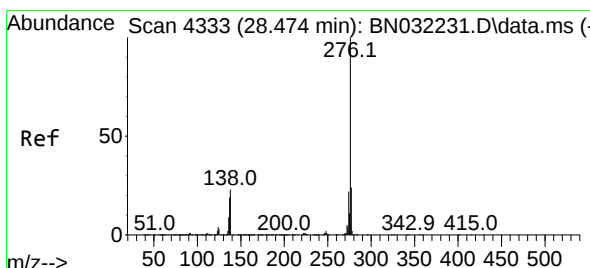
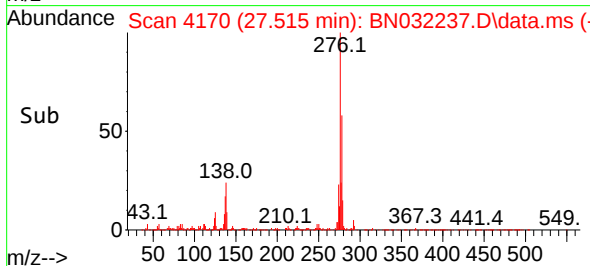
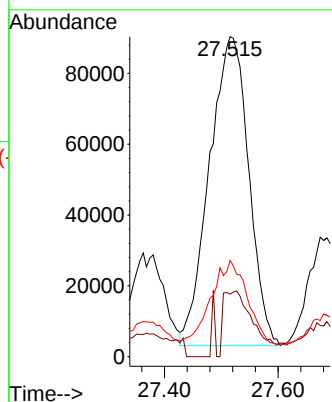
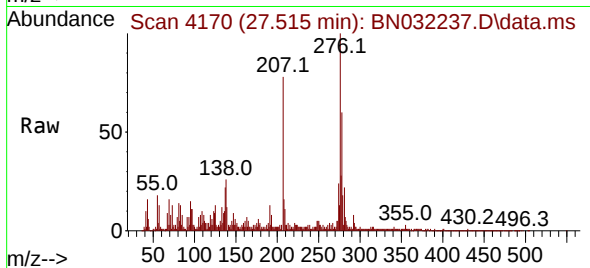
Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.0	22.6
279	30.0	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :Jagrut Upadhyay 06/26/2024



#96

Benzo(g,h,i)perylene

Concen: 2.339 ng/ul

RT: 28.515 min Scan# 4340

Delta R.T. 0.047 min

Lab File: BN032237.D

Acq: 25 Jun 2024 11:22

Tgt Ion:276 Resp: 182906

Ion	Ratio	Lower	Upper
276	100		
138	28.7	20.9	31.3
277	25.8	18.0	27.0

