

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062424\
 Data File : BN032238.D
 Acq On : 25 Jun 2024 12:02
 Operator : MA/JU
 Sample : P2844-21
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4C46

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 12:37:01 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	275668	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	1077625	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.275	164	641817	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.028	188	1287412	20.000	ng/u1	0.00
79) Chrysene-d12	21.269	240	1122717	20.000	ng/u1	0.00
88) Perylene-d12	24.192	264	1384795	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.170	96	30954	4.645	ng/uL	0.00
4) Pyridine-d5	3.581	84	42736	2.278	ng/u1	0.01
7) Phenol-d5	6.822	99	600746	25.420	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	317083	22.938	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	528925	29.332	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	490503	25.462	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	254560	30.895	ng/u1	0.00
24) 2-Nitrophenol-d4	9.505	143	279402	32.827	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	465952	29.324	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	242228	10.267	ng/u1	0.00
46) Dimethylphthalate-d6	13.693	166	1309572	29.289	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	1544406	30.039	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	230302	25.725	ng/u1	0.02
60) Fluorene-d10	15.275	176	1125897	29.760	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.416	200	93408	14.435	ng/u1	0.00
73) Anthracene-d10	17.128	188	1703540	30.908	ng/u1	0.00
81) Pyrene-d10	19.433	212	1708337	28.435	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.992	264	1436375	21.722	ng/u1	0.01
Target Compounds					Qvalue	
6) Benzaldehyde	6.793	77	11170	1.008	ng/u1#	85
16) Acetophenone	8.458	105	51350	1.759	ng/u1	97
30) Naphthalene	10.457	128	121196	2.173	ng/u1	99
50) Acenaphthylene	13.998	152	140175	2.412	ng/u1	99
52) Acenaphthene	14.340	153	55829	1.452	ng/u1	96
56) Dibenzofuran	14.675	168	78890	1.510	ng/u1	99
61) Fluorene	15.328	166	72330	1.720	ng/u1	95
72) Phenanthrene	17.069	178	1344787	20.505	ng/u1	98
74) Anthracene	17.163	178	343800	5.174	ng/u1	99
77) Carbazole	17.439	167	131099	2.314	ng/u1	98
78) Di-n-butylphthalate	17.998	149	101285	1.299	ng/u1	99
80) Fluoranthene	19.098	202	2535962	35.320	ng/u1	95
82) Pyrene	19.463	202	2058134	27.938	ng/u1	95
85) Benzo(a)anthracene	21.251	228	1296990	17.259	ng/u1	100
87) Chrysene	21.316	228	1369900	19.516	ng/u1	96
90) Benzo(b)fluoranthene	23.269	252	1684684	20.353	ng/u1	96
91) Benzo(k)fluoranthene	23.327	252	605597m	7.456	ng/u1	
93) Benzo(a)pyrene	24.057	252	788050	10.165	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.480	276	682658	7.642	ng/u1	95
95) Dibenzo(a,h)anthracene	27.515	278	230610	3.162	ng/u1#	91
96) Benzo(g,h,i)perylene	28.504	276	93836m	1.321	ng/u1	

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

Instrument :

BN_A_N

ClientSampleId :

A4C46

Manual Integrations

APPROVED

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Supervised By :Jagrut Upadhyay 06/26/2024

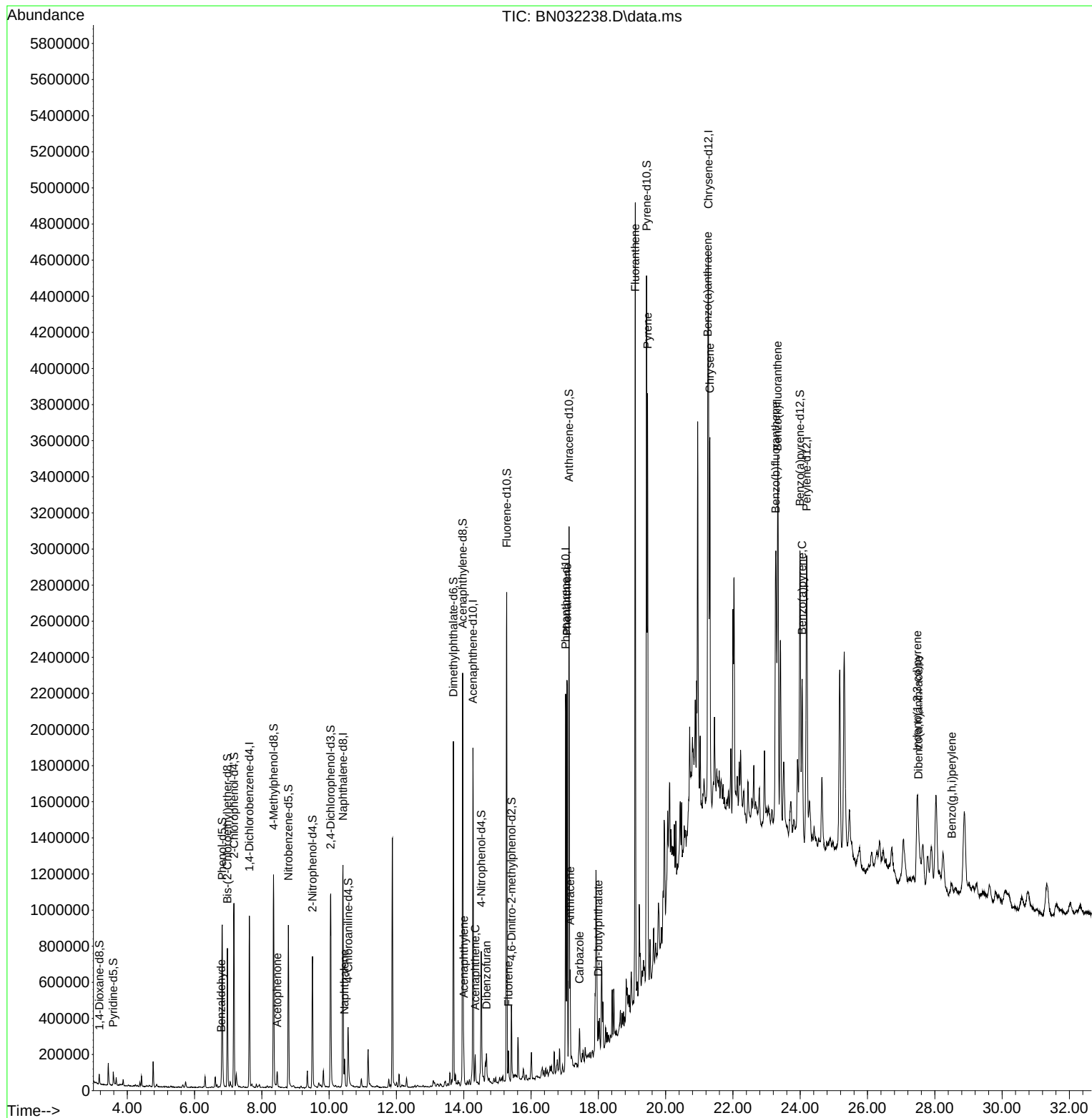
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062424\
 Data File : BN032238.D
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 Operator : MA/JU
 Sample : P2844-21
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

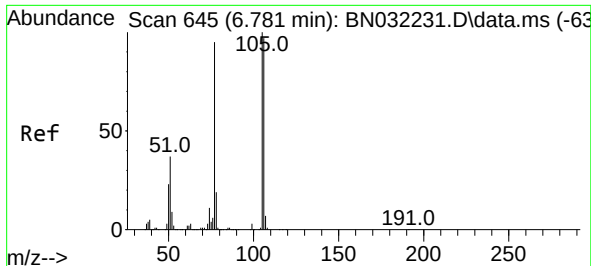
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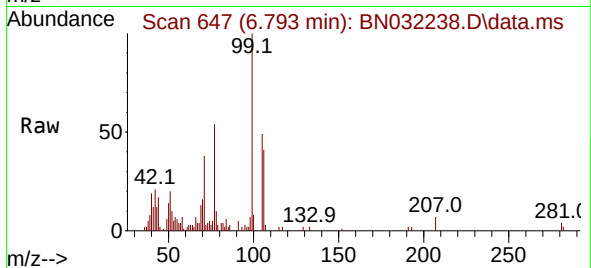
Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :Jagrut Upadhyay 06/26/2024





#6
Benzaldehyde
Concen: 1.008 ng/ul
RT: 6.793 min Scan# 645
Delta R.T. 0.000 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

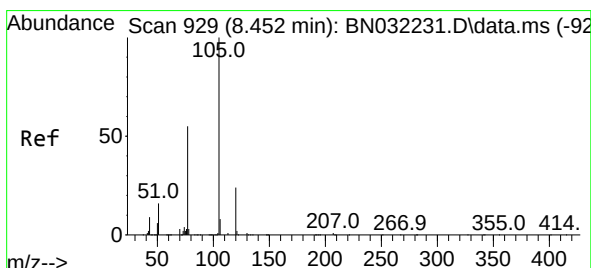
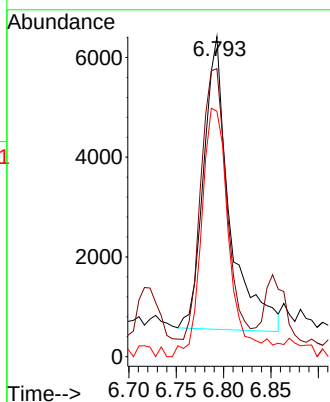
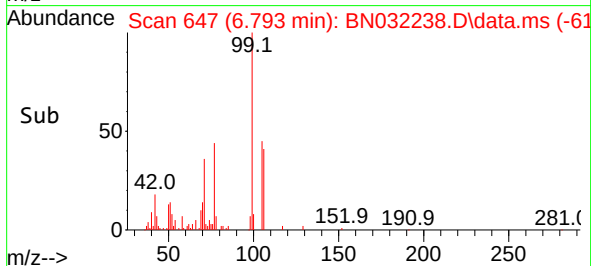
Instrument :
BNA_N
ClientSampleId :
A4C46



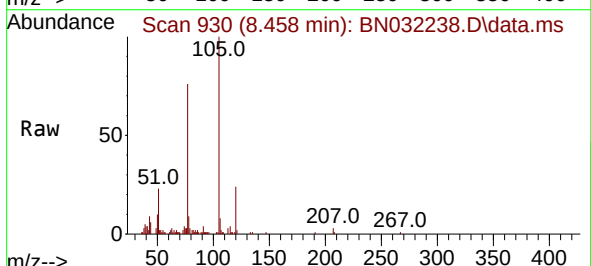
Tgt Ion: 77 Resp: 11170
Ion Ratio Lower Upper
77 100
105 90.0 80.2 120.4
106 76.7 76.8 115.2

Manual Integrations
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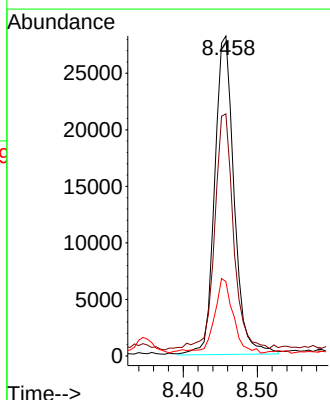
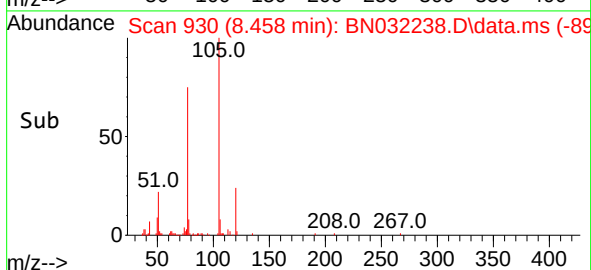
Reviewed By :Yogesh Patel 06/26/2024
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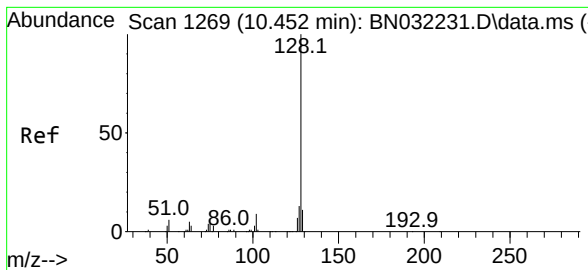


#16
Acetophenone
Concen: 1.759 ng/ul
RT: 8.458 min Scan# 930
Delta R.T. -0.006 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02



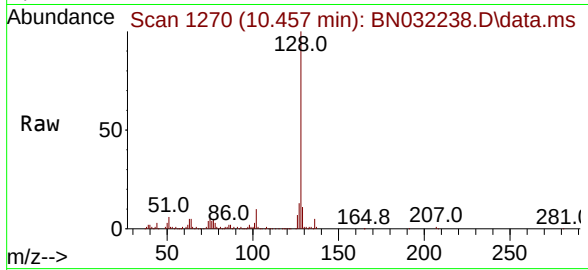
Tgt Ion:105 Resp: 51350
Ion Ratio Lower Upper
105 100
77 75.7 58.6 87.8
51 23.3 17.2 25.8





#30
Naphthalene
Concen: 2.173 ng/u1
RT: 10.457 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

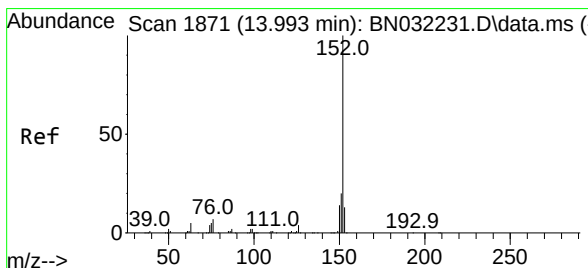
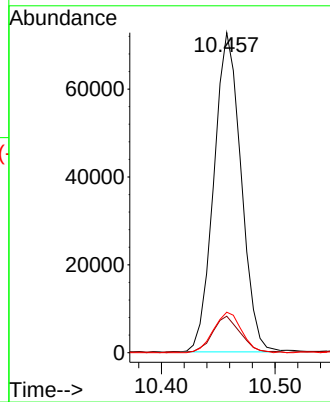
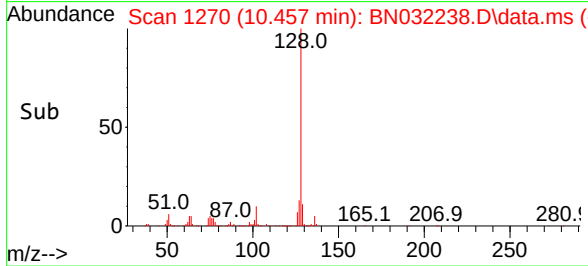
Instrument :
BNA_N
ClientSampleId :
A4C46



Tgt Ion:128 Resp: 121190
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 12.7 10.3 15.5

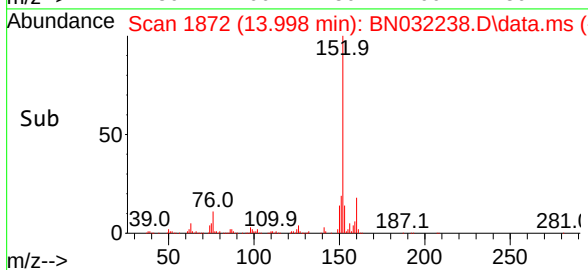
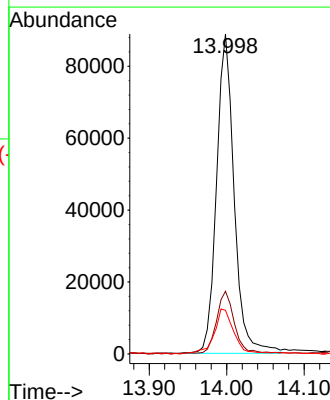
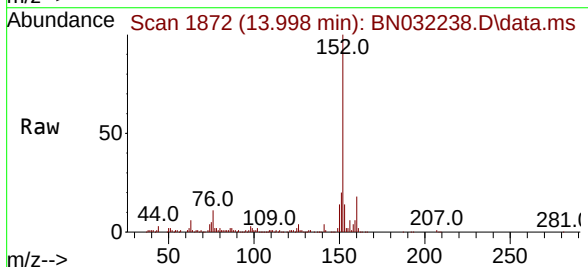
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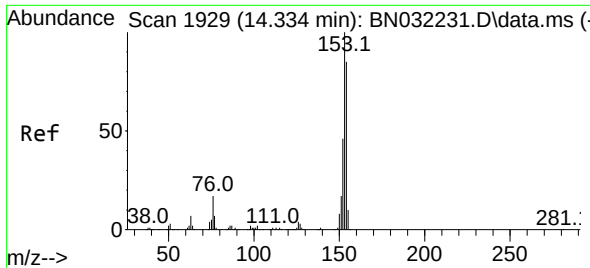
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#50
Acenaphthylene
Concen: 2.412 ng/u1
RT: 13.998 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

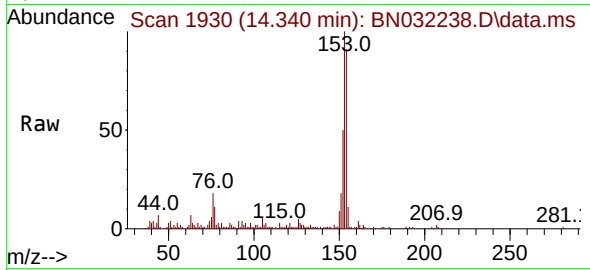
Tgt Ion:152 Resp: 140175
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.6 10.4 15.6





#52
Acenaphthene
Concen: 1.452 ng/u1
RT: 14.340 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

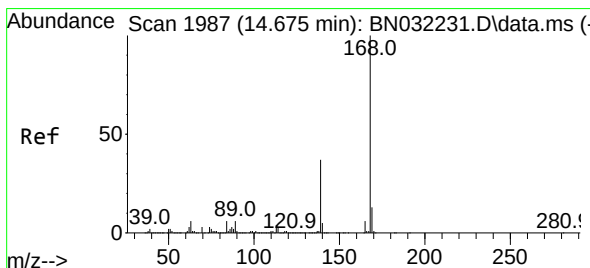
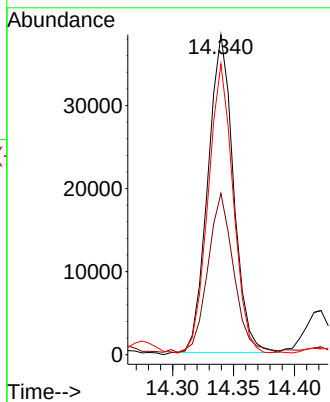
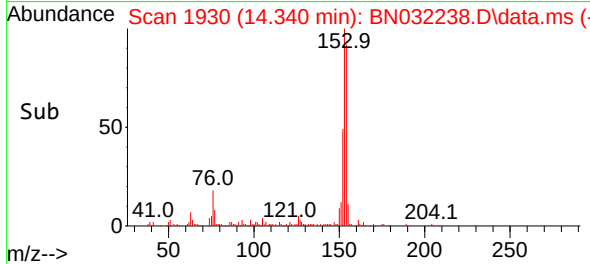
Instrument :
BNA_N
ClientSampleId :
A4C46



Tgt Ion:153 Resp: 55829
Ion Ratio Lower Upper
153 100
152 50.4 37.8 56.6
154 90.9 69.8 104.8

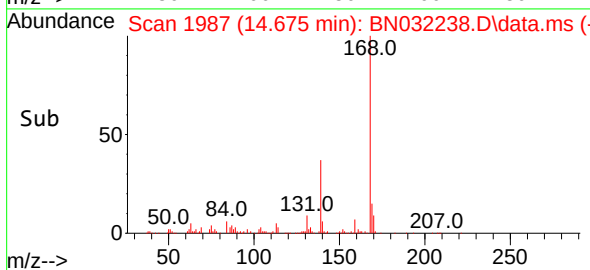
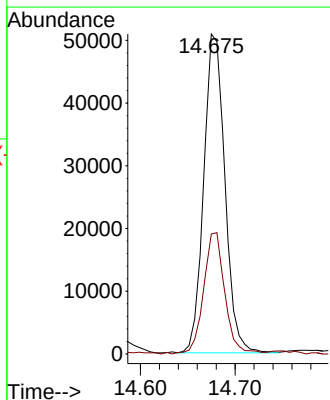
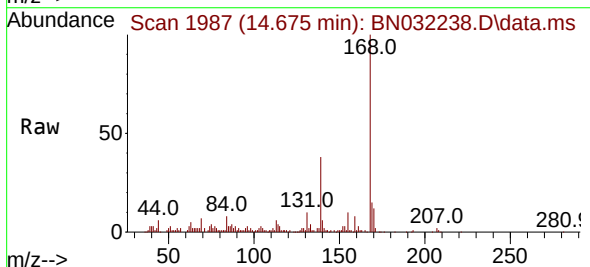
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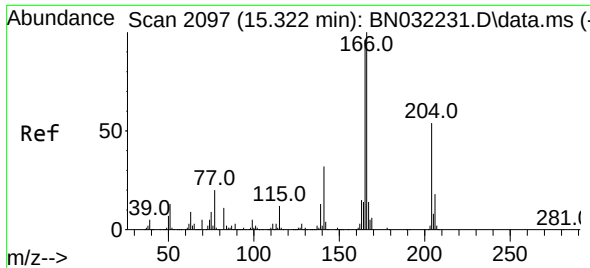
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#56
Dibenzofuran
Concen: 1.510 ng/u1
RT: 14.675 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

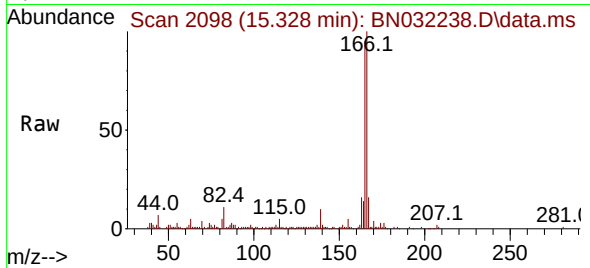
Tgt Ion:168 Resp: 78890
Ion Ratio Lower Upper
168 100
139 37.5 29.4 44.0





#61
Fluorene
Concen: 1.720 ng/ul
RT: 15.328 min Scan# 2097
Delta R.T. -0.006 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

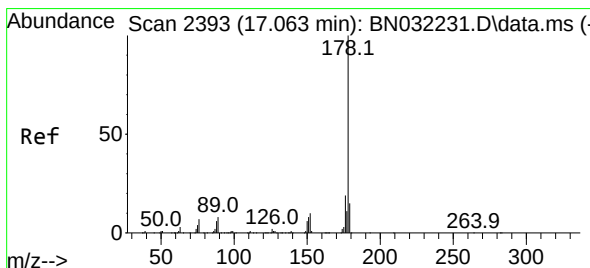
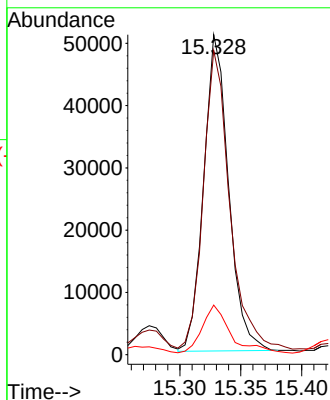
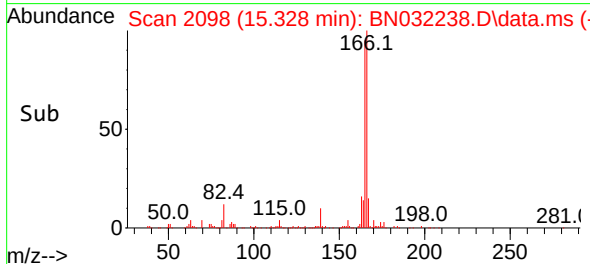
Instrument :
BNA_N
ClientSampleId :
A4C46



Tgt Ion:166 Resp: 72330
Ion Ratio Lower Upper
166 100
165 95.1 80.3 120.5
167 15.5 11.3 16.9

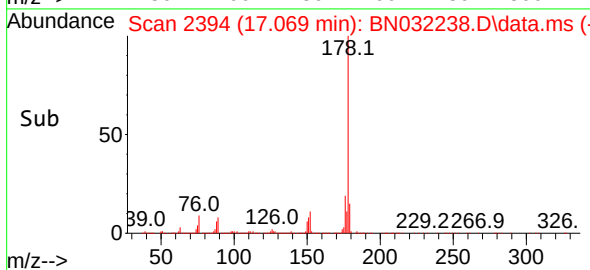
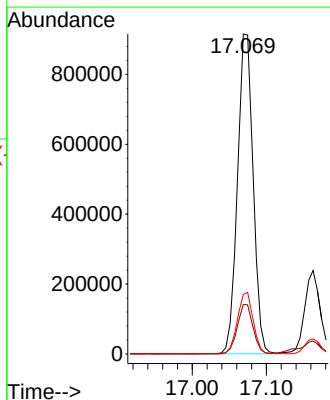
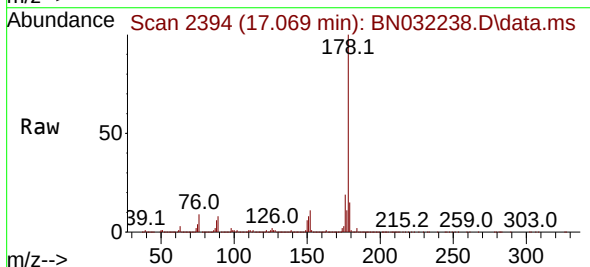
Manual Integrations
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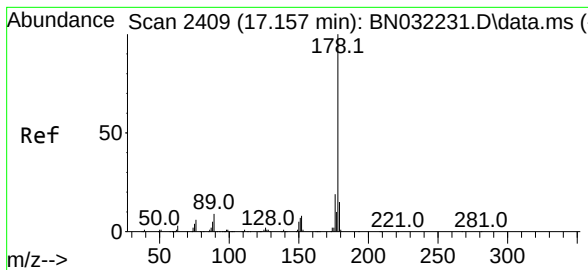
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#72
Phenanthrene
Concen: 20.505 ng/ul
RT: 17.069 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

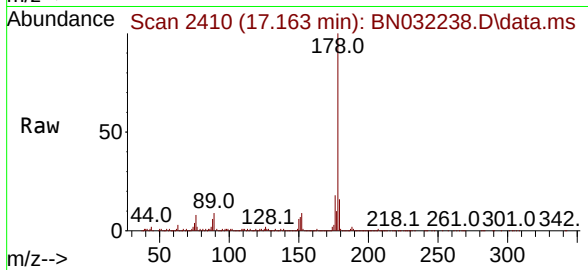
Tgt Ion:178 Resp: 1344787
Ion Ratio Lower Upper
178 100
179 15.5 12.6 19.0
176 18.6 15.8 23.6





#74
 Anthracene
 Concen: 5.174 ng/u1
 RT: 17.163 min Scan# 2409
 Delta R.T. 0.000 min
 Lab File: BN032238.D
 Acq: 25 Jun 2024 12:02

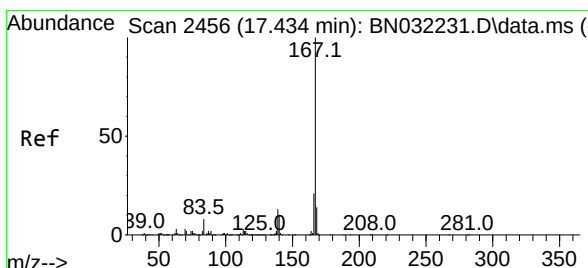
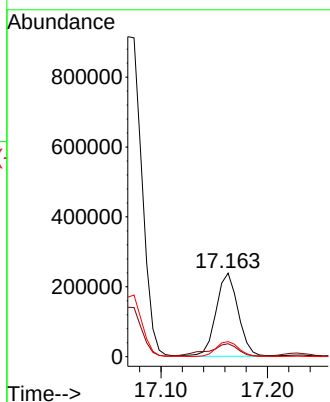
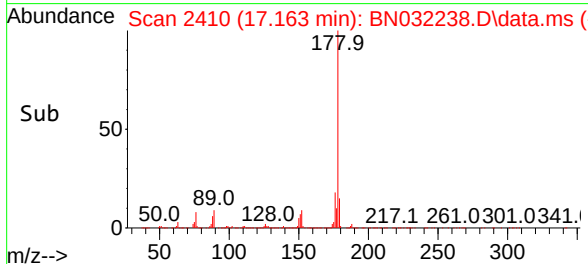
Instrument :
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 A4C46



Tgt Ion:178 Resp: 343800
 Ion Ratio Lower Upper
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 179 15.5 11.8 17.6
 176 18.1 14.8 22.2

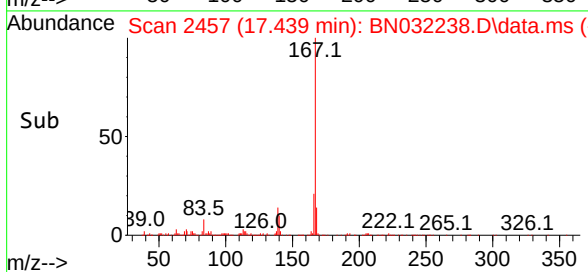
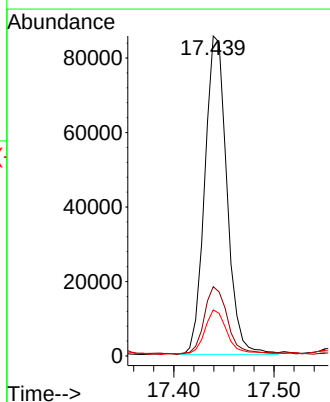
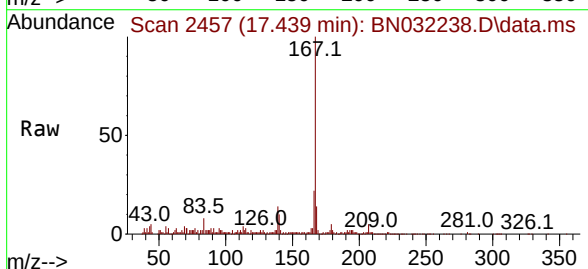
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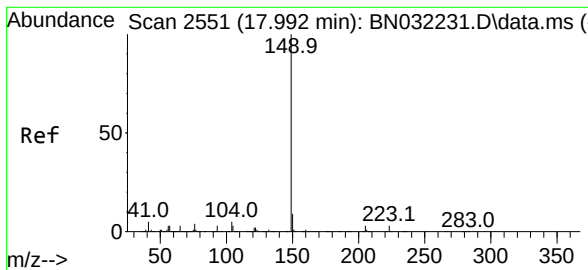
Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :Jagrut Upadhyay 06/26/2024



#77
 Carbazole
 Concen: 2.314 ng/u1
 RT: 17.439 min Scan# 2457
 Delta R.T. 0.000 min
 Lab File: BN032238.D
 Acq: 25 Jun 2024 12:02

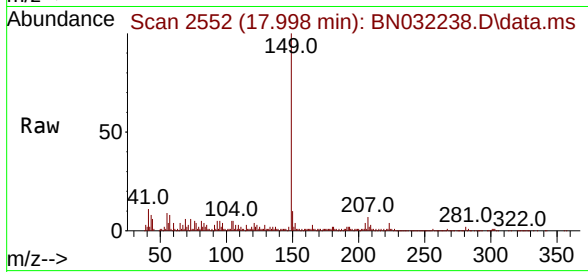
Tgt Ion:167 Resp: 131099
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.9 26.9
 139 14.4 10.5 15.7





#78
Di-n-butylphthalate
Concen: 1.299 ng/ul
RT: 17.998 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

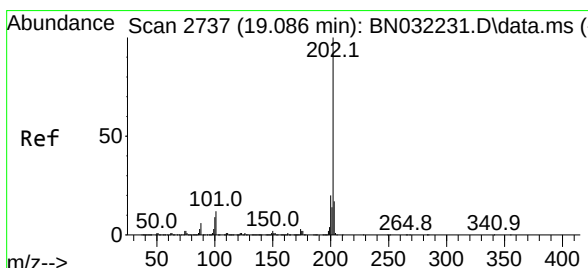
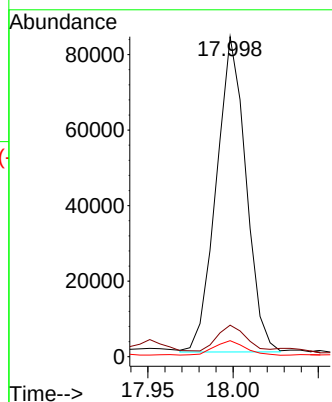
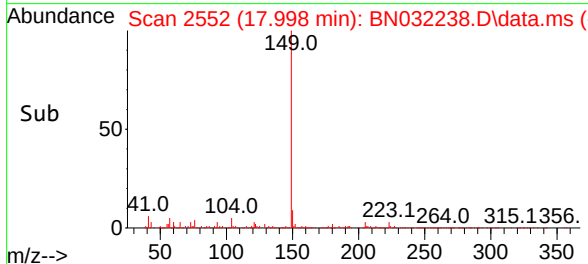
Instrument :
BNA_N
ClientSampleId :
A4C46



Tgt Ion:149 Resp: 101285
Ion Ratio Lower Upper
149 100
150 9.9 7.4 11.0
104 5.0 4.1 6.1

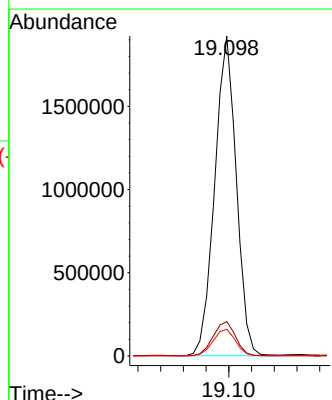
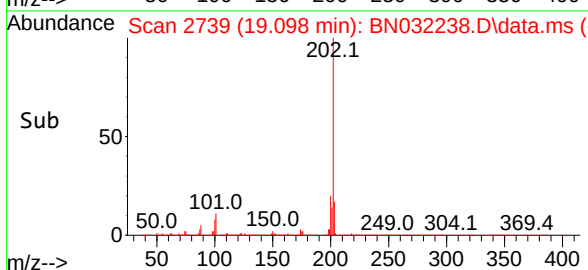
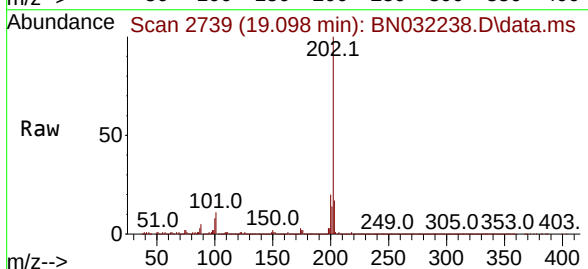
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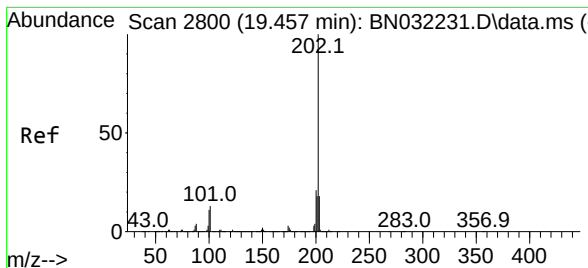
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024



#80
Fluoranthene
Concen: 35.320 ng/ul
RT: 19.098 min Scan# 2739
Delta R.T. 0.000 min
Lab File: BN032238.D
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Tgt Ion:202 Resp: 2535962
Ion Ratio Lower Upper
202 100
101 10.8 10.3 15.5
100 8.4 8.0 12.0





#82

Pyrene

Concen: 27.938 ng/u1

RT: 19.463 min Scan# 2105

Delta R.T. 0.000 min

Lab File: BN032238.D

Acq: 25 Jun 2024 12:02

Instrument :

BNA_N

ClientSampleId :

A4C46

Tgt Ion:202 Resp: 2058134

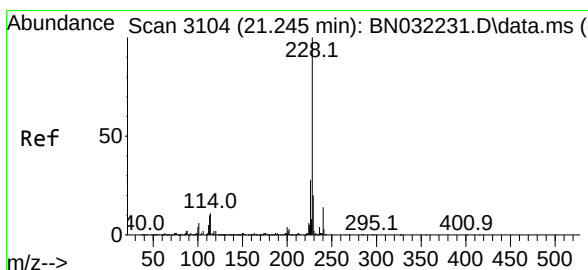
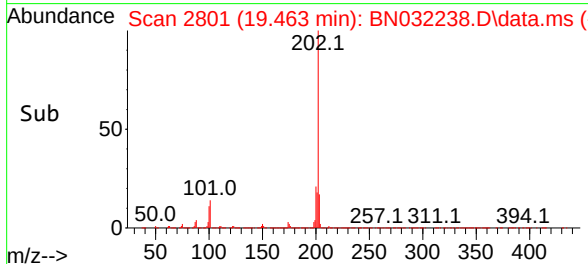
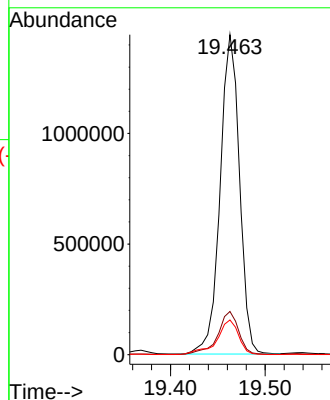
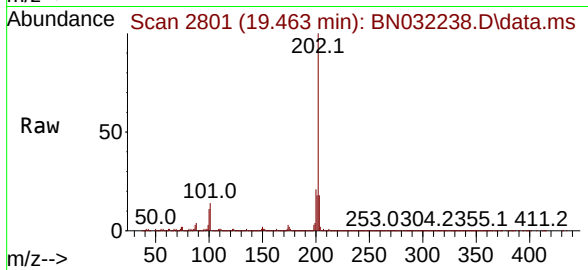
Ion	Ratio	Lower	Upper
202	100		
101	13.5	12.6	18.8
100	10.9	10.2	15.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :Jagrut Upadhyay 06/26/2024



#85

Benzo(a)anthracene

Concen: 17.259 ng/u1

RT: 21.251 min Scan# 3105

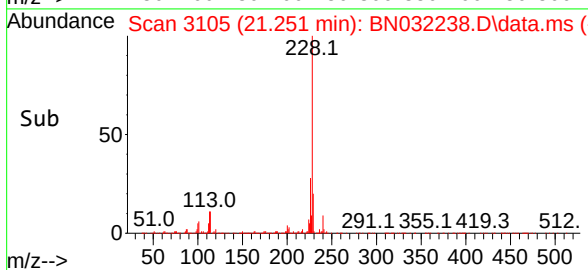
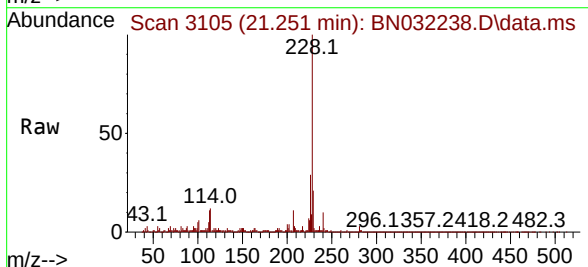
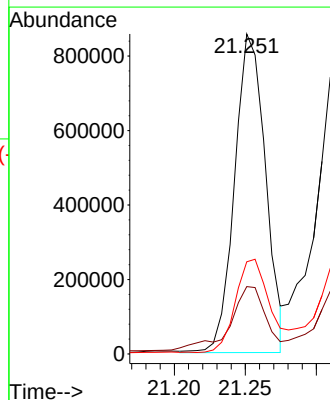
Delta R.T. 0.000 min

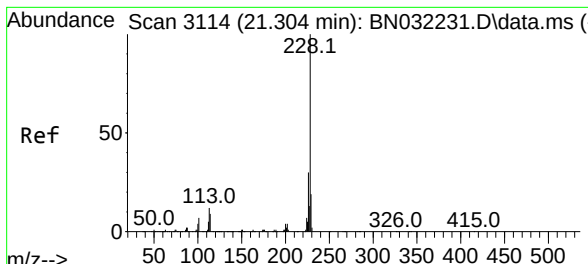
Lab File: BN032238.D

Acq: 25 Jun 2024 12:02

Tgt Ion:228 Resp: 1296990

Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.7	25.1
226	28.8	22.8	34.2





#87

Chrysene

Concen: 19.516 ng/ul

RT: 21.316 min Scan# 3116

Delta R.T. 0.006 min

Lab File: BN032238.D

Acq: 25 Jun 2024 12:02

Instrument :

BNA_N

ClientSampleId :

A4C46

Tgt Ion:228 Resp: 1369900

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

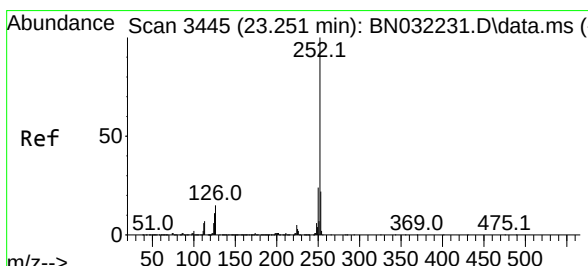
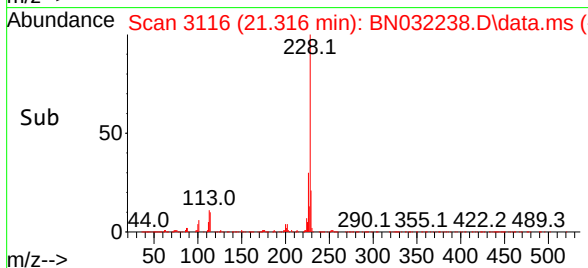
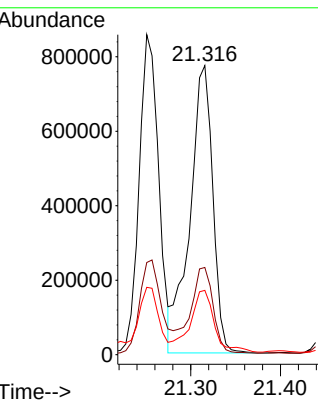
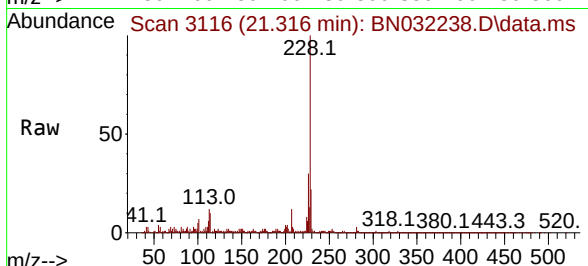
229 22.2 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :Jagrut Upadhyay 06/26/2024



#90

Benzo(b)fluoranthene

Concen: 20.353 ng/ul

RT: 23.269 min Scan# 3448

Delta R.T. 0.006 min

Lab File: BN032238.D

Acq: 25 Jun 2024 12:02

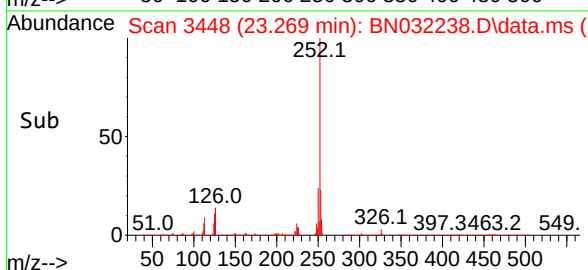
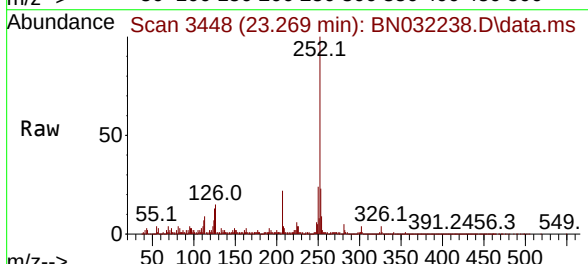
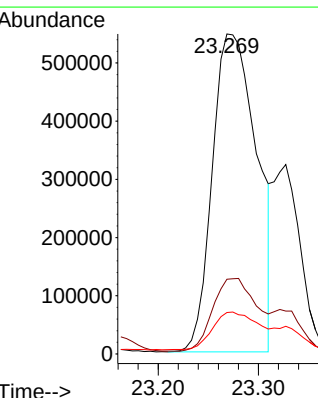
Tgt Ion:252 Resp: 1684684

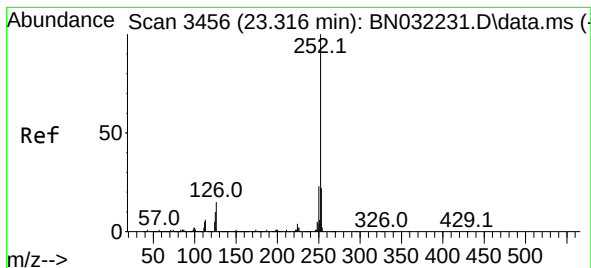
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 12.9 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 7.456 ng/ul m

RT: 23.327 min Scan# 3456

Delta R.T. 0.006 min

Lab File: BN032238.D

Acq: 25 Jun 2024 12:02

Instrument :

BNA_N

ClientSampleId :

A4C46

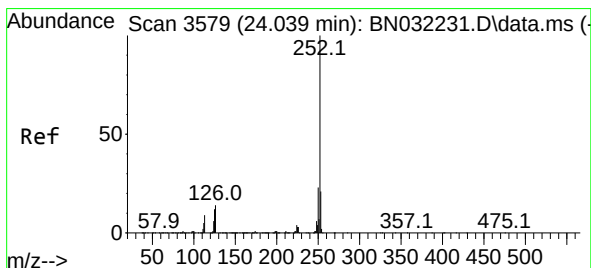
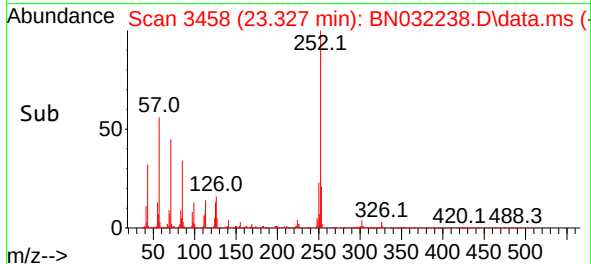
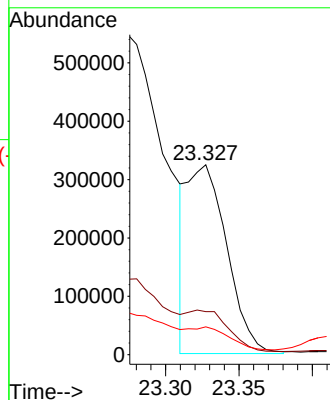
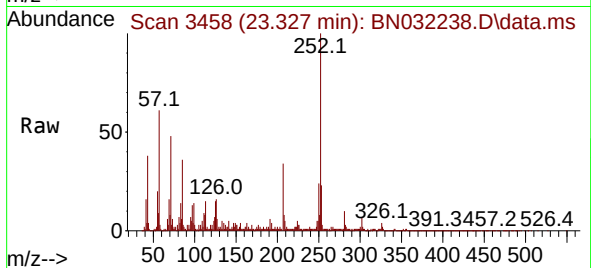
Tgt Ion:	252	Resp:	60559
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.6	26.4
125	14.6	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :Jagrut Upadhyay 06/26/2024



#93

Benzo(a)pyrene

Concen: 10.165 ng/ul

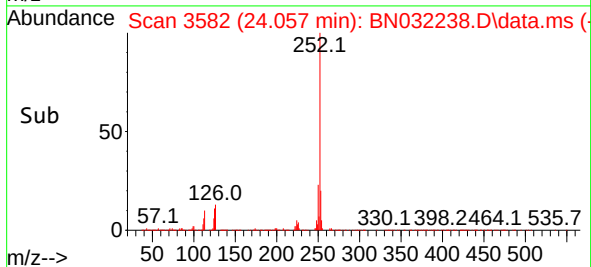
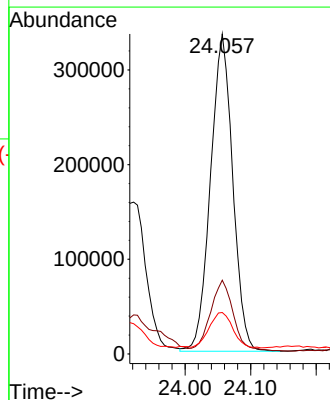
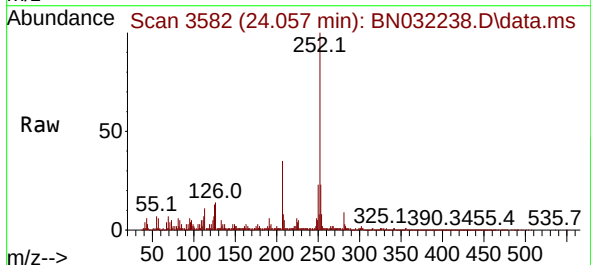
RT: 24.057 min Scan# 3582

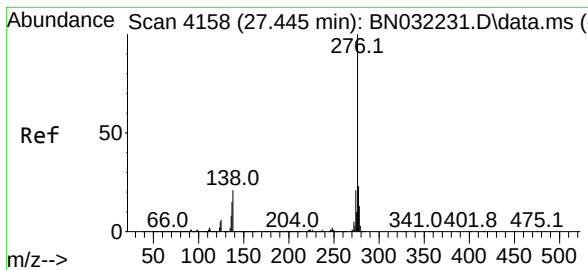
Delta R.T. 0.018 min

Lab File: BN032238.D

Acq: 25 Jun 2024 12:02

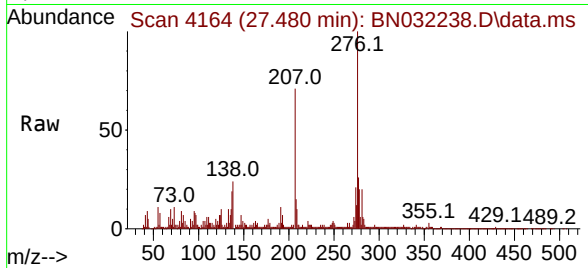
Tgt Ion:	252	Resp:	788050
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.6	24.8
125	13.0	9.8	14.8





#94
Indeno(1,2,3-cd)pyrene
Concen: 7.642 ng/ul
RT: 27.480 min Scan# 4158
Delta R.T. 0.036 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02

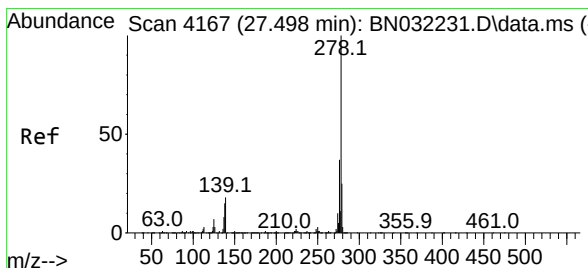
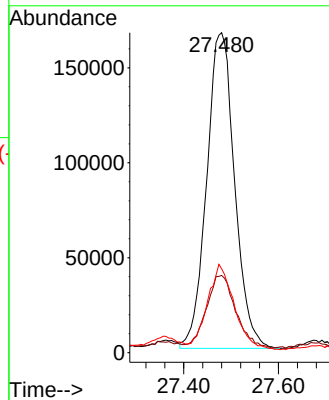
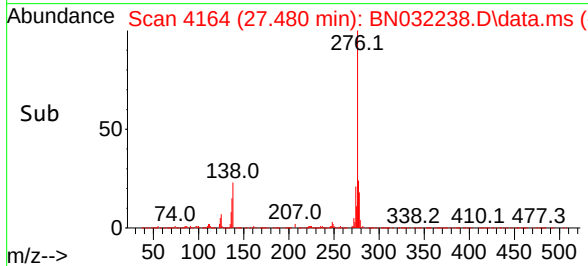
Instrument :
BNA_N
ClientSampleId :
A4C46



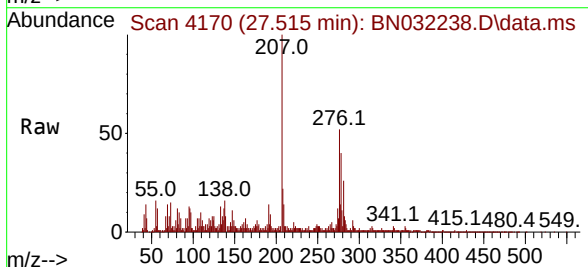
Tgt Ion:276 Resp: 682658
Ion Ratio Lower Upper
276 100
138 24.2 18.1 27.1
277 26.2 18.2 27.2

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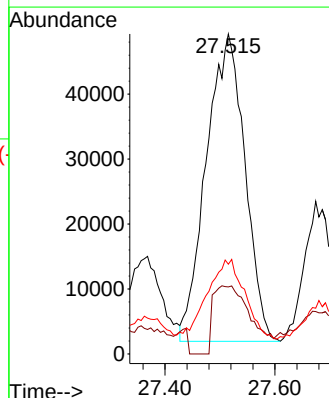
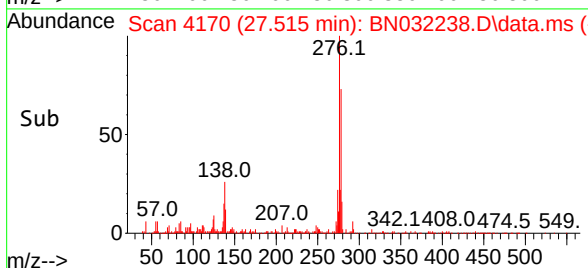
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :Jagrut Upadhyay 06/26/2024

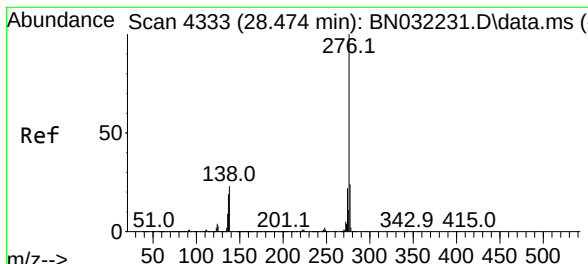


#95
Dibenzo(a,h)anthracene
Concen: 3.162 ng/ul
RT: 27.515 min Scan# 4170
Delta R.T. 0.012 min
Lab File: BN032238.D
Acq: 25 Jun 2024 12:02



Tgt Ion:278 Resp: 230610
Ion Ratio Lower Upper
278 100
139 20.9 15.0 22.6
279 28.0 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 1.321 ng/ul m
 RT: 28.504 min Scan# 4338
 Delta R.T. 0.036 min
 Lab File: BN032238.D
 Acq: 25 Jun 2024 12:02

Instrument : BNA_N
 ClientSampleId : A4C46

Tgt Ion: 276 Resp: 93830

Ion	Ratio	Lower	Upper
276	100		
138	34.0	20.9	31.3
277	30.3	18.0	27.0

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

