

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035643.D
 Acq On : 17 Dec 2024 07:24
 Operator : RC/JU
 Sample : P5232-06
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S0

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

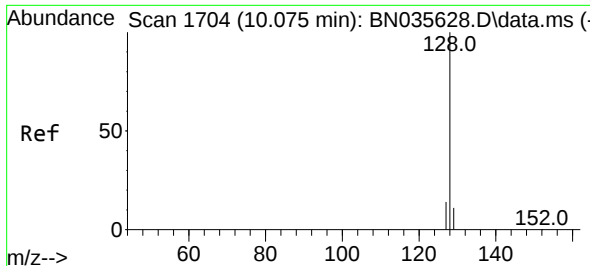
12/18/2024
 Supervised By :mohammad
 ahmed

Quant Time: Dec 17 08:01:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

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

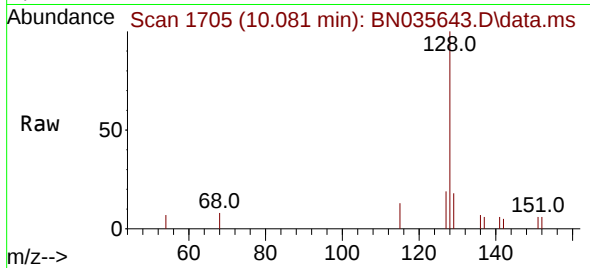
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2538	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	7933	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.949	164	5786	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	12159	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.964	240	9877	0.400	ng/ul	# 0.00
23) Perylene-d12	23.057	264	10720m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	4141	1.840	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.637	152	1695	0.150	ng/ul	0.00
18) Fluoranthene-d10	18.772	212	7607	0.264	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.081	128	1941m	0.100	ng/ul	
7) 2-Methylnaphthalene	11.708	142	2471	0.189	ng/ul	99
8) 1-Methylnaphthalene	11.939	142	1455	0.107	ng/ul	98
10) Acenaphthylene	13.662	152	1583	0.071	ng/ul#	60
11) Acenaphthene	14.009	153	512	0.030	ng/ul#	85
12) Fluorene	15.013	166	2123	0.108	ng/ul#	77
15) Phenanthrene	16.760	178	30428	1.000	ng/ul#	94
16) Anthracene	16.852	178	2491	0.088	ng/ul#	46
19) Fluoranthene	18.805	202	15628	0.442	ng/ul#	96
20) Pyrene	19.172	202	27147	0.698	ng/ul	99
21) Benzo(a)anthracene	20.950	228	11902	0.363	ng/ul#	73
22) Chrysene	21.002	228	24452	0.719	ng/ul#	84
24) Benzo(b)fluoranthene	22.446	252	15196m	0.481	ng/ul	
25) Benzo(k)fluoranthene	22.481	252	3849m	0.110	ng/ul	
26) Benzo(a)pyrene	22.966	252	11863	0.388	ng/ul#	30
27) Indeno(1,2,3-cd)pyrene	25.088	276	7499m	0.201	ng/ul	
28) Dibenzo(a,h)anthracene	25.101	278	3509m	0.123	ng/ul	
29) Benzo(g,h,i)perylene	25.701	276	12398	0.415	ng/ul#	80

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



#5
Naphthalene
Concen: 0.100 ng/ul m
RT: 10.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

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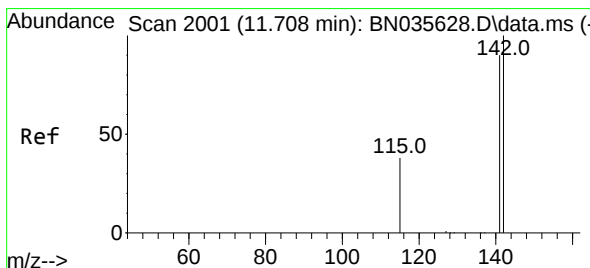
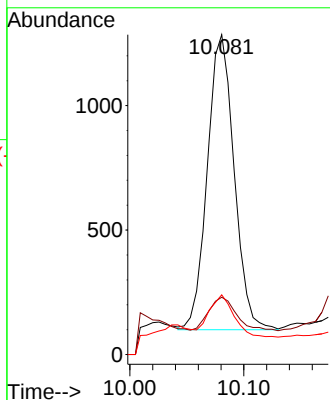
Tgt Ion:128 Resp: 194
Ion Ratio Lower Upper
128 100
129 17.9 10.8 16.2
127 18.7 12.0 18.0

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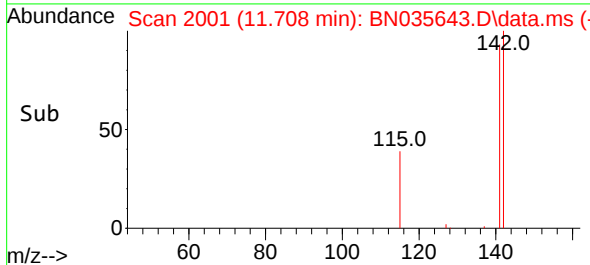
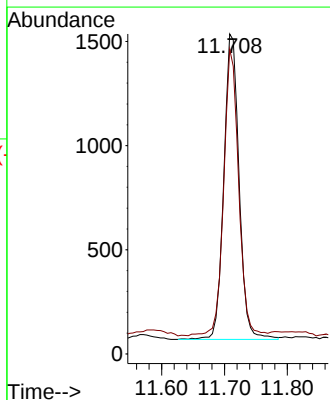
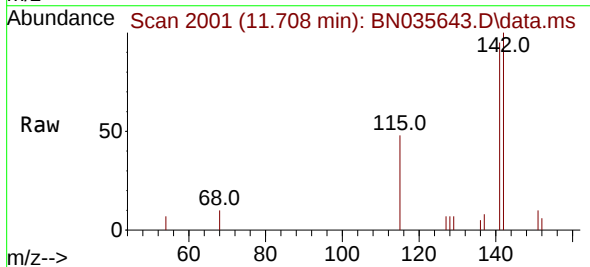
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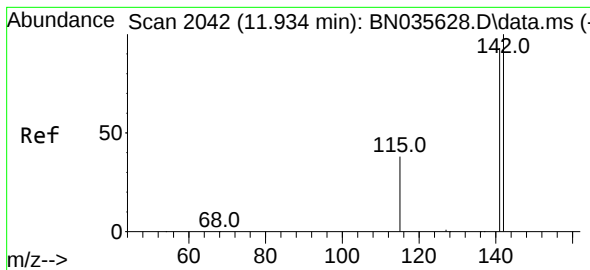
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#7
2-Methylnaphthalene
Concen: 0.189 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

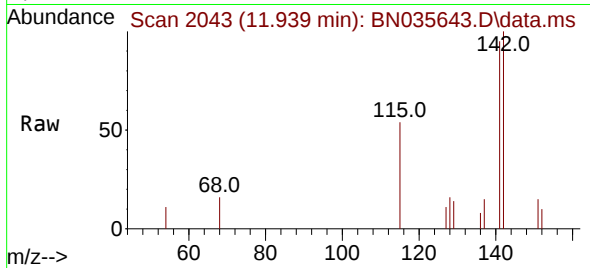
Tgt Ion:142 Resp: 2471
Ion Ratio Lower Upper
142 100
141 91.6 72.8 109.2





#8
1-Methylnaphthalene
Concen: 0.107 ng/ul
RT: 11.939 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Instrument :
BNA_N
ClientSampleId :
E28S0



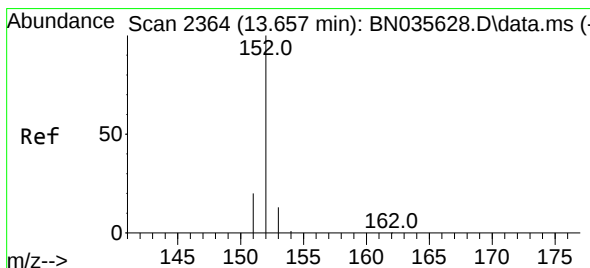
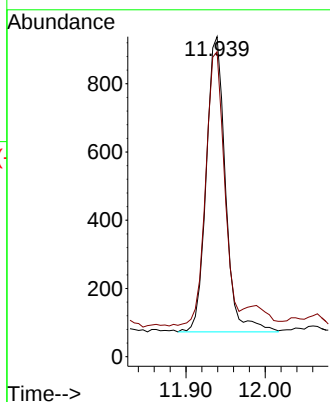
Tgt Ion:142 Resp: 145
Ion Ratio Lower Upper
142 100
141 91.6 74.7 112.1

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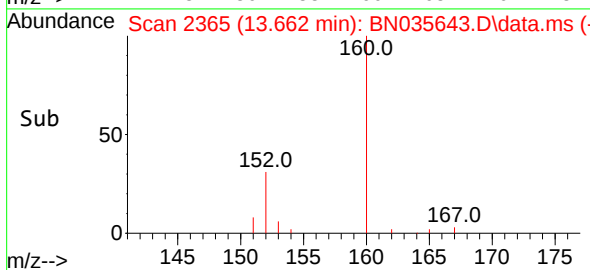
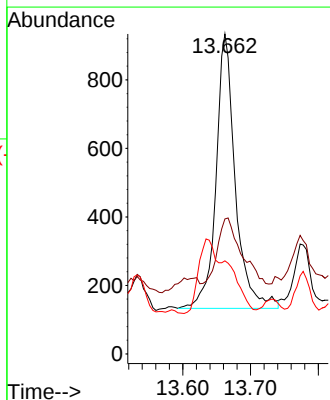
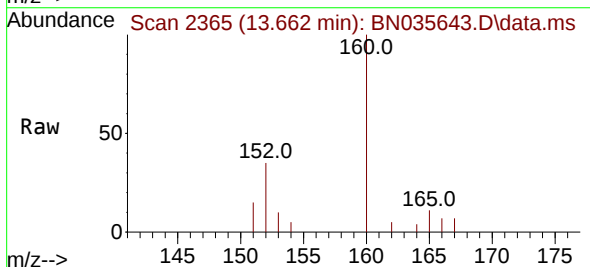
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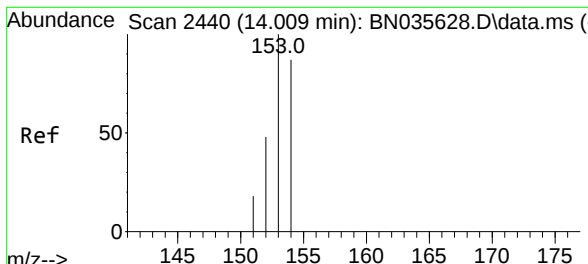
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#10
Acenaphthylene
Concen: 0.071 ng/ul
RT: 13.662 min Scan# 2365
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

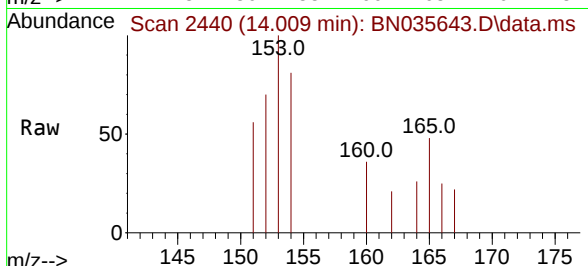
Tgt Ion:152 Resp: 1583
Ion Ratio Lower Upper
152 100
151 42.2 17.6 26.4#
153 29.1 11.4 17.2#





#11
Acenaphthene
Concen: 0.030 ng/ul
RT: 14.009 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Instrument :
BNA_N
ClientSampleId :
E28S0



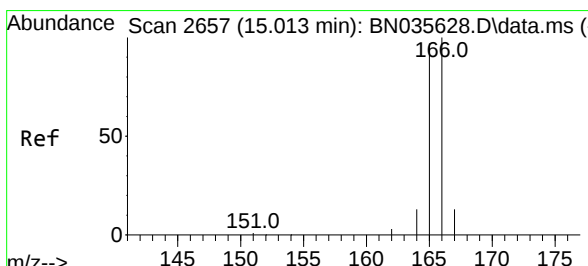
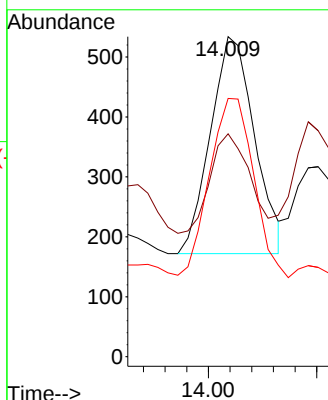
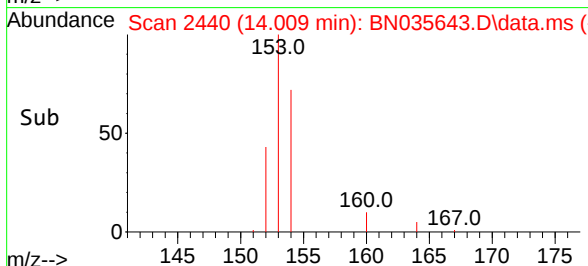
Tgt Ion:153 Resp: 512
Ion Ratio Lower Upper
153 100
152 69.7 39.8 59.6
154 80.7 69.8 104.8

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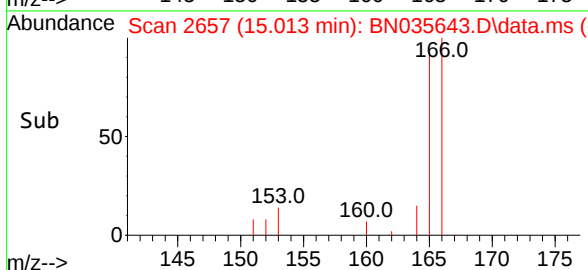
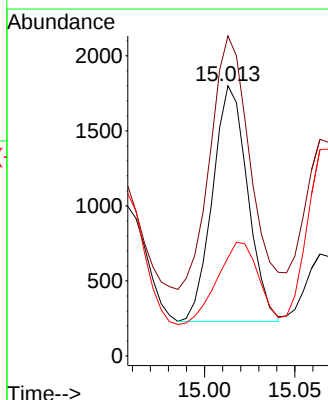
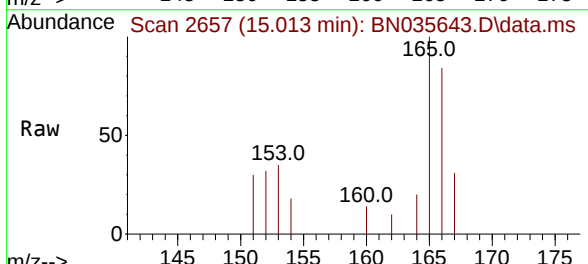
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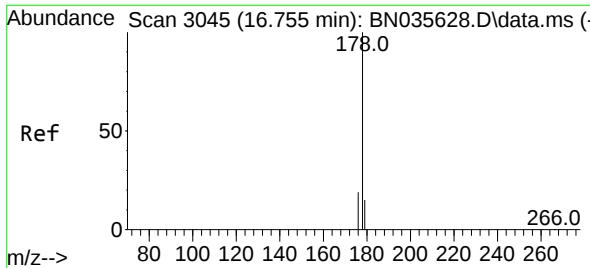
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#12
Fluorene
Concen: 0.108 ng/ul
RT: 15.013 min Scan# 2657
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

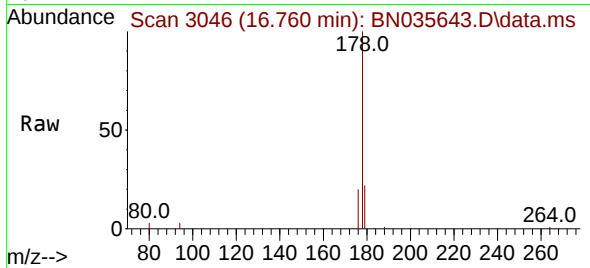
Tgt Ion:166 Resp: 2123
Ion Ratio Lower Upper
166 100
165 118.4 79.5 119.3
167 36.4 11.8 17.8#





#15
Phenanthrene
Concen: 1.000 ng/ul
RT: 16.760 min Scan# 3042
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Instrument :
BNA_N
ClientSampleId :
E28S0



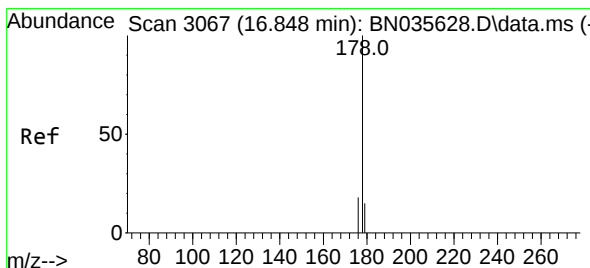
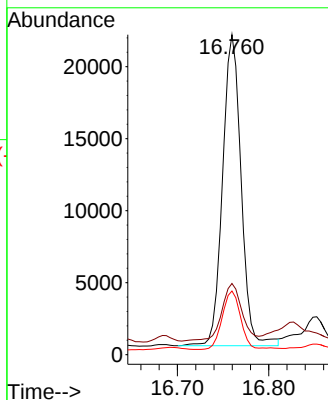
Tgt Ion:178 Resp: 3042
Ion Ratio Lower Upper
178 100
179 22.3 13.3 19.9
176 19.9 15.8 23.8

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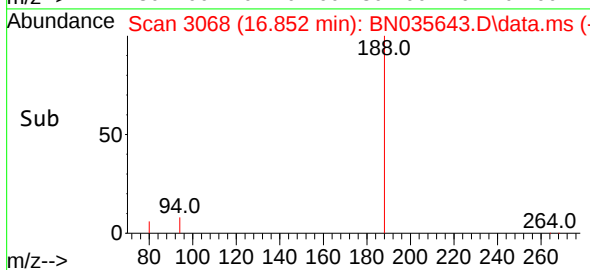
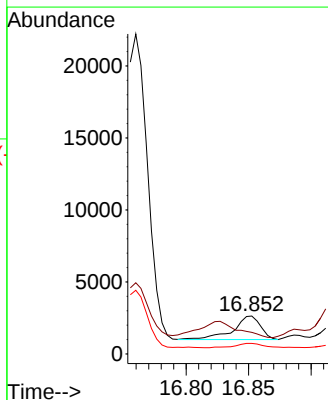
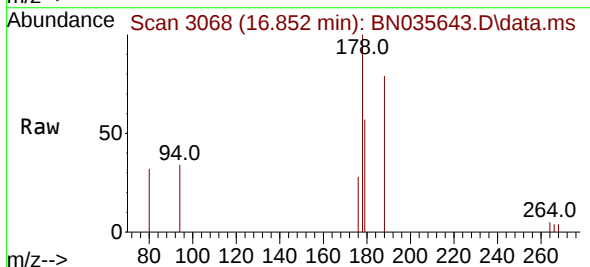
12/18/2024
Supervised By :mohammad
ahmed

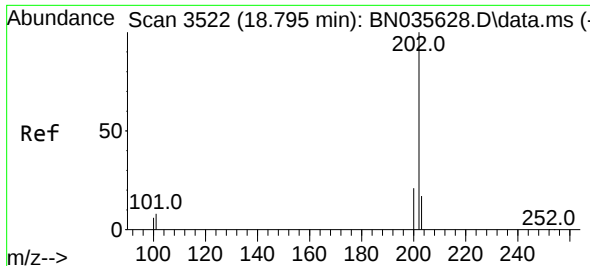
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#16
Anthracene
Concen: 0.088 ng/ul
RT: 16.852 min Scan# 3068
Delta R.T. 0.004 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

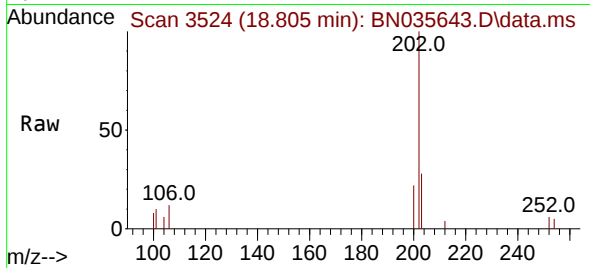
Tgt Ion:178 Resp: 2491
Ion Ratio Lower Upper
178 100
179 57.0 13.4 20.0#
176 27.8 15.4 23.0#





#19
Fluoranthene
Concen: 0.442 ng/u1
RT: 18.805 min Scan# 3524
Delta R.T. 0.005 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Instrument :
BNA_N
ClientSampleId :
E28S0



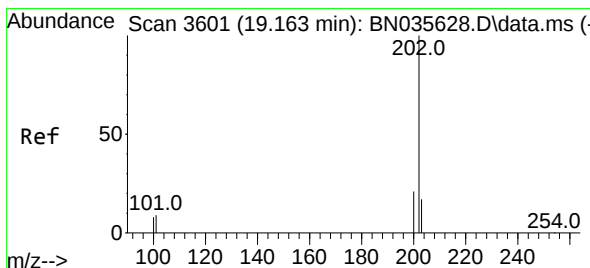
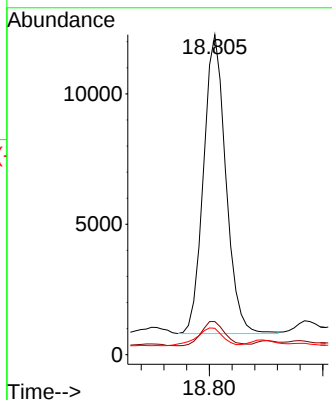
Tgt Ion:202 Resp: 15628
Ion Ratio Lower Upper
202 100
101 10.4 7.3 10.9
100 8.3 5.4 8.0

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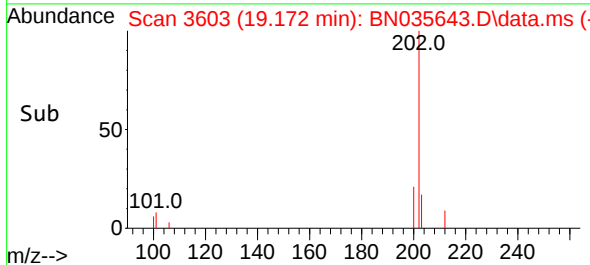
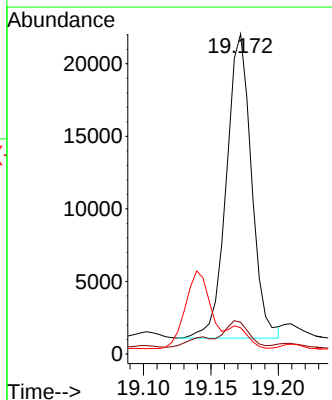
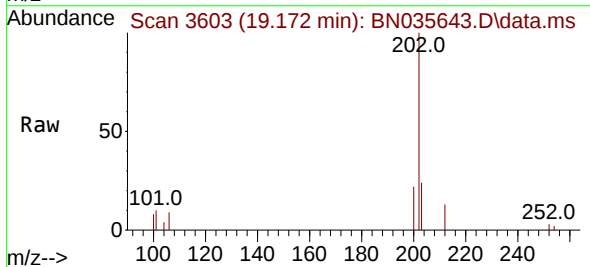
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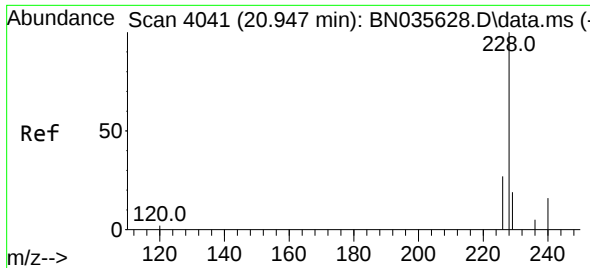
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#20
Pyrene
Concen: 0.698 ng/u1
RT: 19.172 min Scan# 3603
Delta R.T. 0.005 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

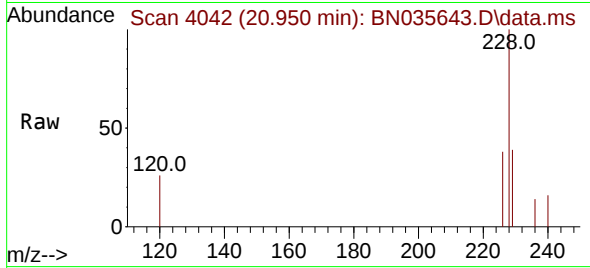
Tgt Ion:202 Resp: 27147
Ion Ratio Lower Upper
202 100
101 9.9 8.5 12.7
100 8.2 6.5 9.7





#21
Benzo(a)anthracene
Concen: 0.363 ng/u1
RT: 20.950 min Scan# 4041
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Instrument :
BNA_N
ClientSampleId :
E28S0



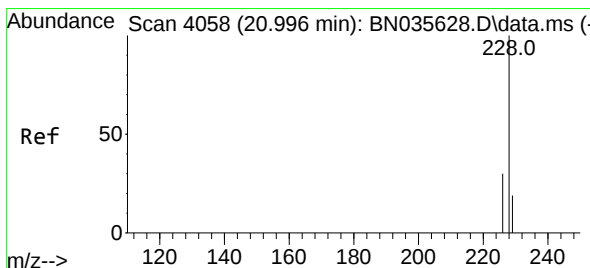
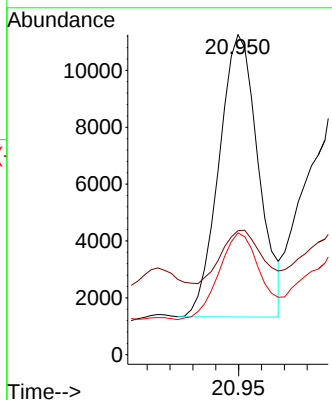
Tgt Ion:228 Resp: 11902
Ion Ratio Lower Upper
228 100
229 38.8 16.6 25.0
226 38.0 22.5 33.7

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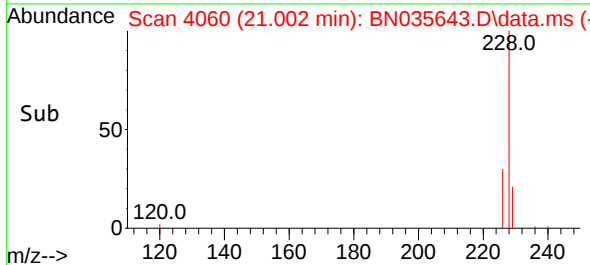
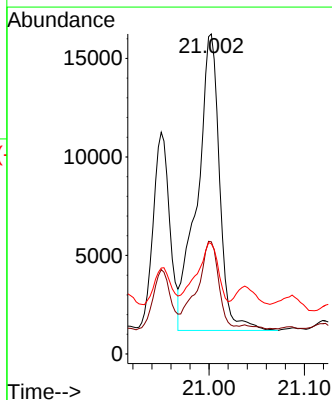
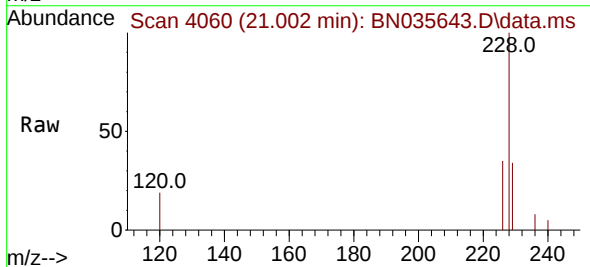
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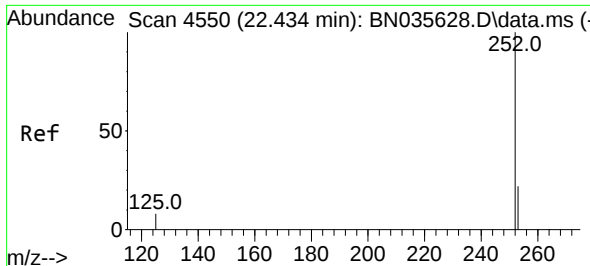
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#22
Chrysene
Concen: 0.719 ng/u1
RT: 21.002 min Scan# 4060
Delta R.T. 0.003 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

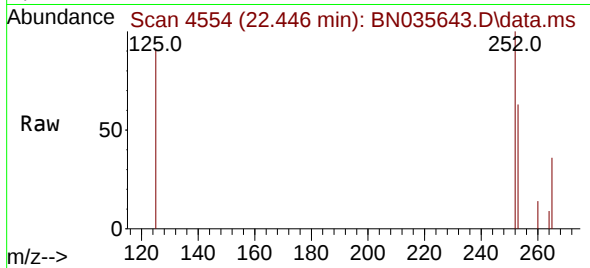
Tgt Ion:228 Resp: 24452
Ion Ratio Lower Upper
228 100
226 35.1 25.1 37.7
229 34.4 16.6 24.8





#24
Benzo(b)fluoranthene
Concen: 0.481 ng/ul m
RT: 22.446 min Scan# 4554
Delta R.T. 0.003 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Instrument :
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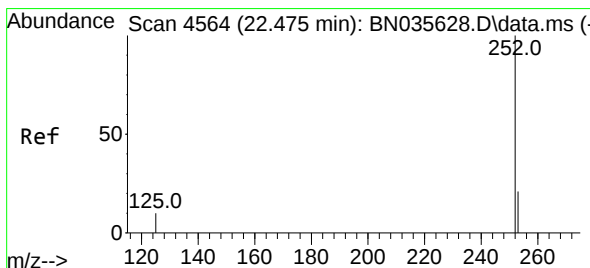
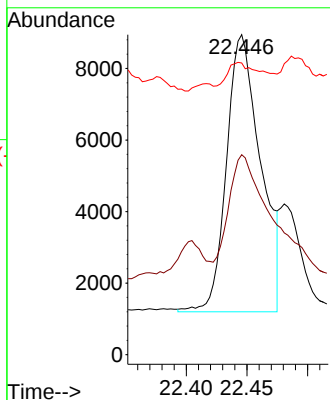
Tgt Ion:252 Resp: 15190
Ion Ratio Lower Upper
252 100
253 62.5 0.0 56.4#
125 91.1 0.0 37.6#

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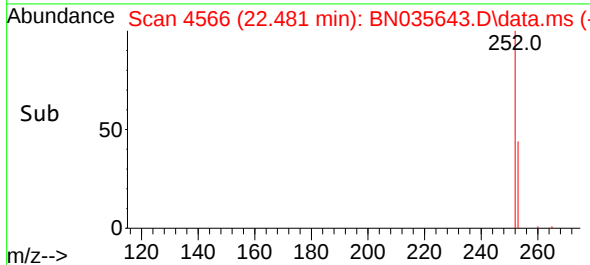
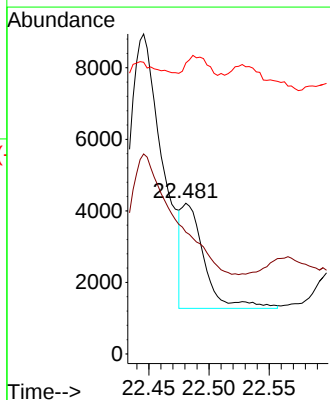
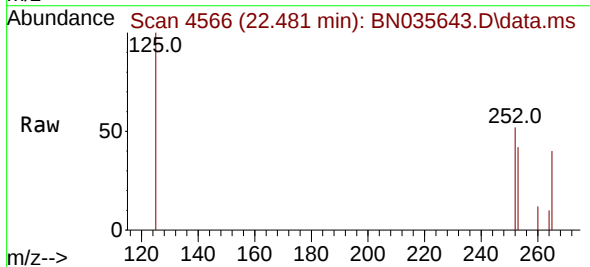
12/18/2024
Supervised By :mohammad
ahmed

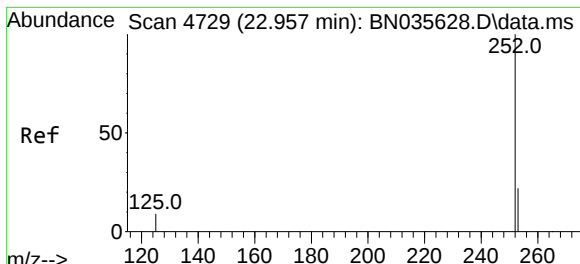
12/21/2024



#25
Benzo(k)fluoranthene
Concen: 0.110 ng/ul m
RT: 22.481 min Scan# 4566
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

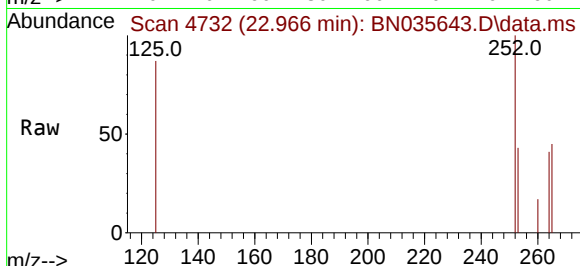
Tgt Ion:252 Resp: 3849
Ion Ratio Lower Upper
252 100
253 80.8 22.1 33.1#
125 193.1 15.3 22.9#





#26
Benzo(a)pyrene
Concen: 0.388 ng/ul
RT: 22.966 min Scan# 41
Delta R.T. 0.003 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Instrument :
BNA_N
ClientSampleId :
E28S0



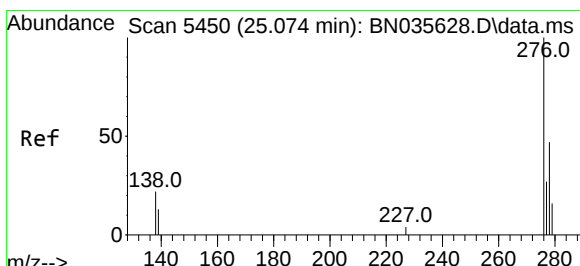
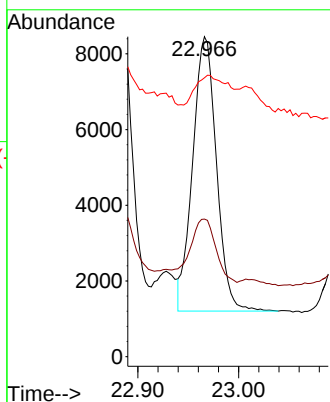
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Ion Ratio Lower Upper
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253 43.0 24.1 36.1#
125 87.1 19.1 28.7#

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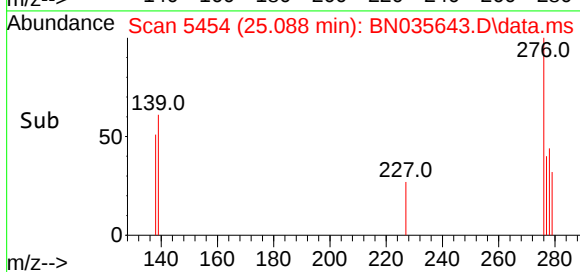
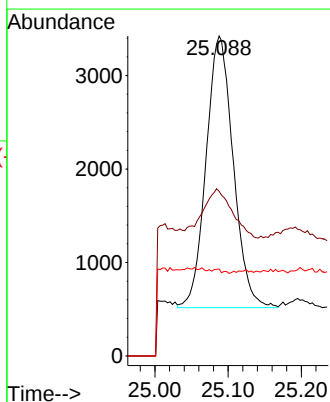
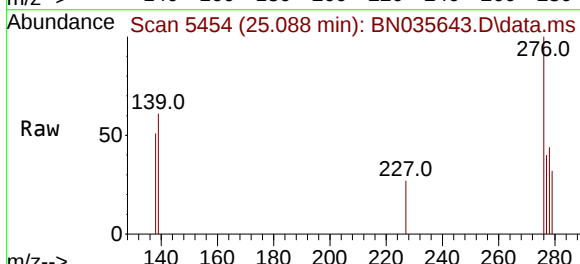
12/18/2024
Supervised By :mohammad
ahmed

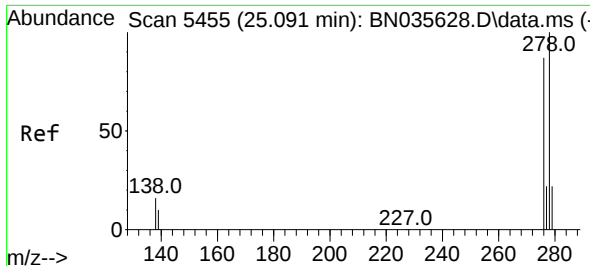
12/21/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.201 ng/ul m
RT: 25.088 min Scan# 5454
Delta R.T. 0.007 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

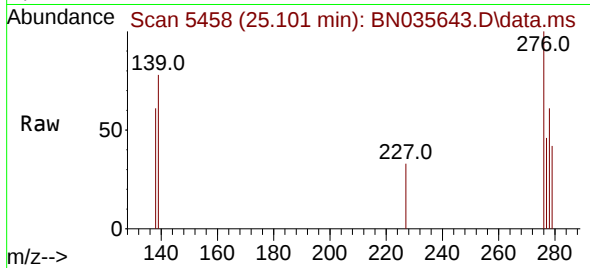
Tgt Ion:276 Resp: 7499
Ion Ratio Lower Upper
276 100
138 296.0 14.7 22.1#
227 0.0 21.6 32.4#





#28
Dibenzo(a,h)anthracene
Concen: 0.123 ng/ul m
RT: 25.101 min Scan# 5455
Delta R.T. 0.000 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Instrument :
BNA_N
ClientSampleId :
E28S0



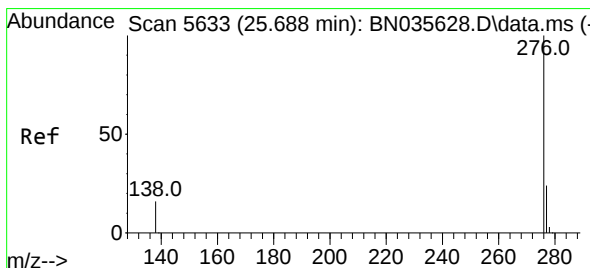
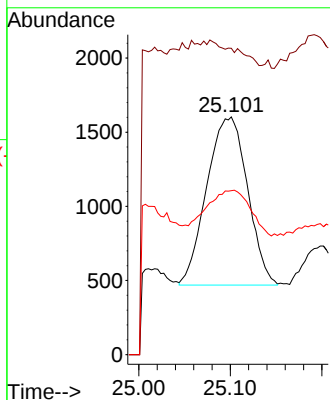
Tgt Ion:278 Resp: 3509
Ion Ratio Lower Upper
278 100
139 128.9 19.8 29.8#
279 69.0 24.0 36.0#

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

12/18/2024
Supervised By :mohammad
ahmed

12/21/2024



#29
Benzo(g,h,i)perylene
Concen: 0.415 ng/ul
RT: 25.701 min Scan# 5637
Delta R.T. 0.004 min
Lab File: BN035643.D
Acq: 17 Dec 2024 07:24

Tgt Ion:276 Resp: 12398
Ion Ratio Lower Upper
276 100
138 38.2 19.6 29.4#
277 34.1 21.6 32.4#

