

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062224\
 Data File : BN032190.D
 Acq On : 23 Jun 2024 07:02
 Operator : MA/JU
 Sample : P2775-21
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D58

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 07:34:13 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	311604	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	1211956	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.275	164	717646	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.034	188	1420827	20.000	ng/u1	0.00
79) Chrysene-d12	21.274	240	1200110	20.000	ng/u1	0.00
88) Perylene-d12	24.192	264	1619995	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	24971	3.315	ng/uL	0.00
4) Pyridine-d5	3.581	84	64836	3.058	ng/u1	0.01
7) Phenol-d5	6.816	99	498766	18.671	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	259182	16.587	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	435005	21.342	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	412462	18.942	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	209356	22.592	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	230243	24.053	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	403765	22.594	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	459788	17.329	ng/u1	0.00
46) Dimethylphthalate-d6	13.693	166	1246058	24.923	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	1425848	24.803	ng/u1	0.00
54) 4-Nitrophenol-d4	14.516	143	204084	20.388	ng/u1	0.01
60) Fluorene-d10	15.275	176	1068975	25.270	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.422	200	39185	5.487	ng/u1	0.00
73) Anthracene-d10	17.134	188	1640115m	26.963	ng/u1	0.00
81) Pyrene-d10	19.433	212	1511914	23.543	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.998	264	1325059	17.130	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.457	105	82057	2.487	ng/u1	97
30) Naphthalene	10.457	128	170852	2.724	ng/u1	99
36) 2-Methylnaphthalene	12.081	142	104992	2.449	ng/u1	96
37) 1-Methylnaphthalene	12.304	142	77660	1.805	ng/u1	98
50) Acenaphthylene	13.998	152	308775	4.753	ng/u1	100
52) Acenaphthene	14.340	153	538522	12.527	ng/u1	98
56) Dibenzofuran	14.681	168	604464	10.350	ng/u1	100
61) Fluorene	15.334	166	733881	15.604	ng/u1	97
72) Phenanthrene	17.081	178	8906836	123.059	ng/u1	100
74) Anthracene	17.169	178	3178586	43.341	ng/u1	98
77) Carbazole	17.445	167	913526	14.608	ng/u1	99
80) Fluoranthene	19.110	202	10863318	141.542	ng/u1	97
82) Pyrene	19.469	202	9010216	114.423	ng/u1	95
85) Benzo(a)anthracene	21.257	228	6168294	76.788	ng/u1	99
87) Chrysene	21.322	228	5770541m	76.907	ng/u1	
90) Benzo(b)fluoranthene	23.286	252	7123357	73.565	ng/u1	99
91) Benzo(k)fluoranthene	23.333	252	2876541	30.274	ng/u1	98
93) Benzo(a)pyrene	24.063	252	3503375	38.630	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.480	276	2776480	26.568	ng/u1	99
95) Dibenzo(a,h)anthracene	27.521	278	981107m	11.499	ng/u1	
96) Benzo(g,h,i)perylene	28.492	276	345612m	4.160	ng/u1	

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

Instrument :

BN_A_N

ClientSampleId :

A4D58

Manual Integrations

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Supervised By :mohammad ahmed 06/26/2024

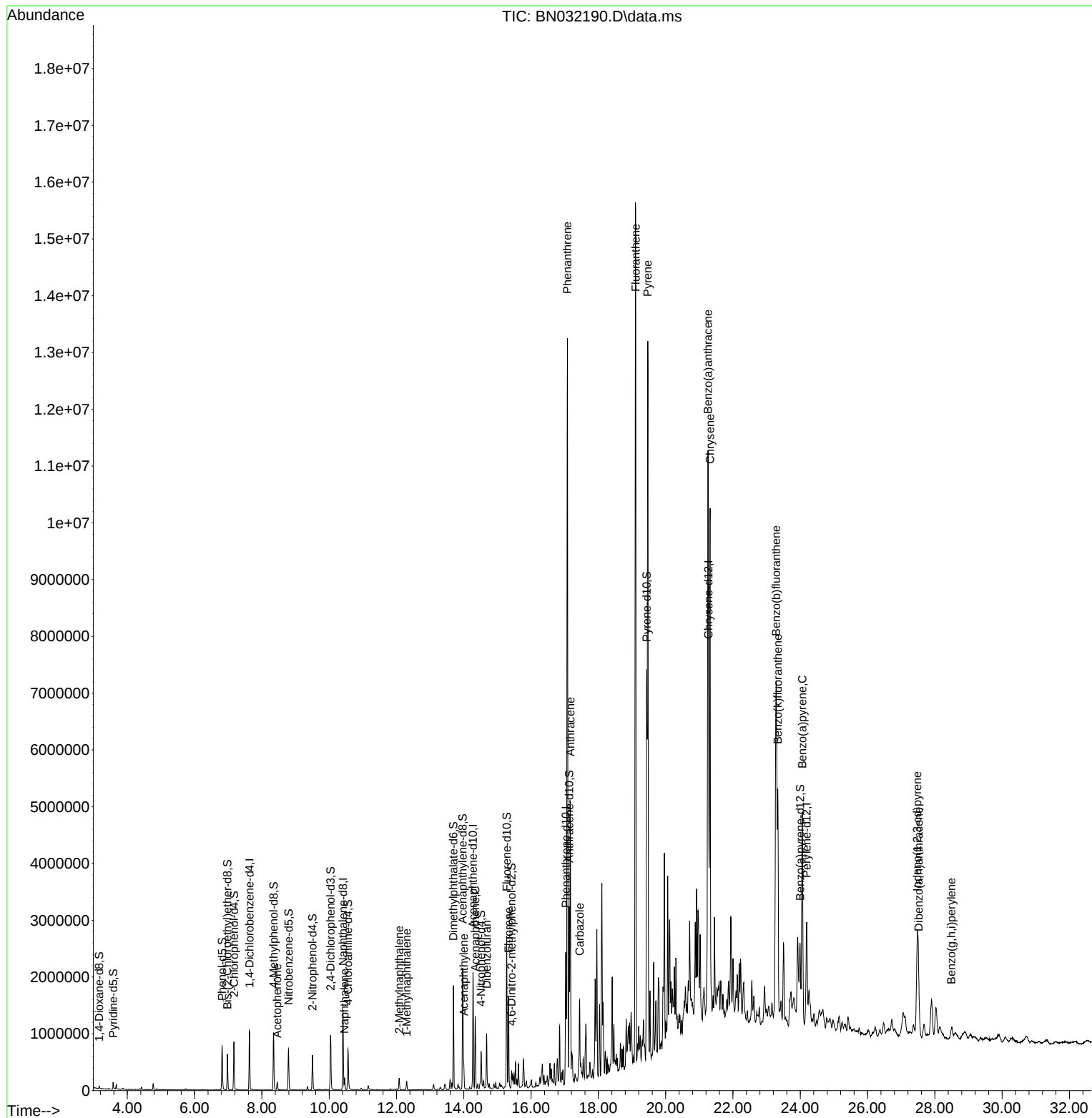
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062224\
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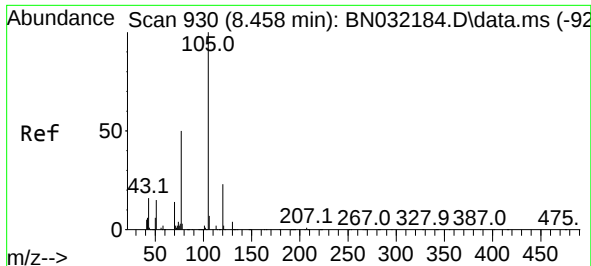
Instrument :
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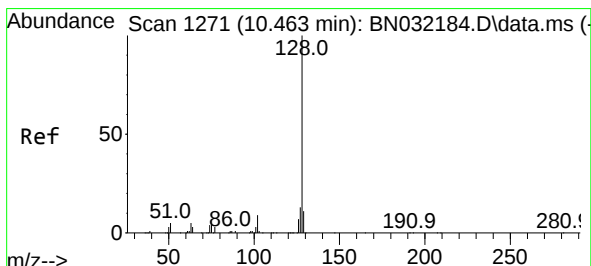
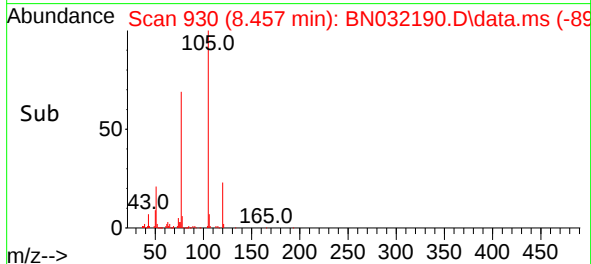
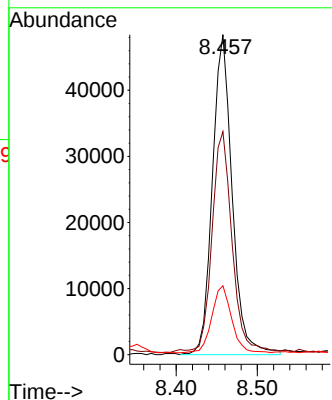
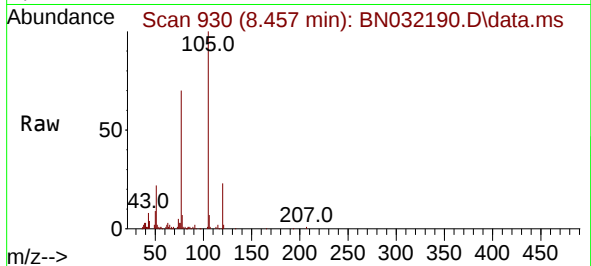
#16
Acetophenone
Concen: 2.487 ng/ul
RT: 8.457 min Scan# 91
Delta R.T. -0.006 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

Instrument :
BNA_N
ClientSampleId :
A4D58

Tgt Ion:105 Resp: 8205
Ion Ratio Lower Upper
105 100
77 69.7 58.6 87.8
51 21.6 17.2 25.8

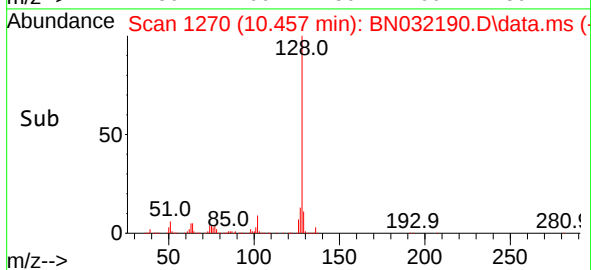
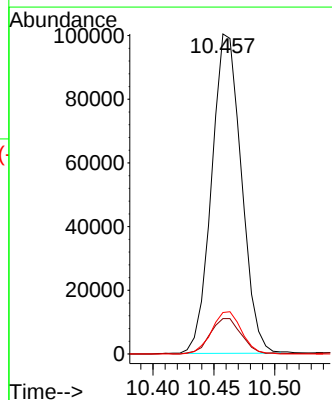
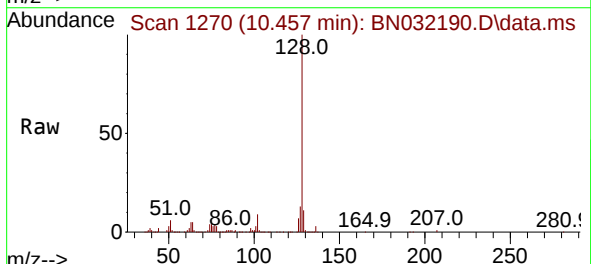
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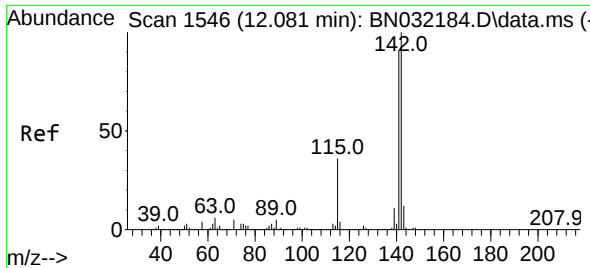
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#30
Naphthalene
Concen: 2.724 ng/ul
RT: 10.457 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

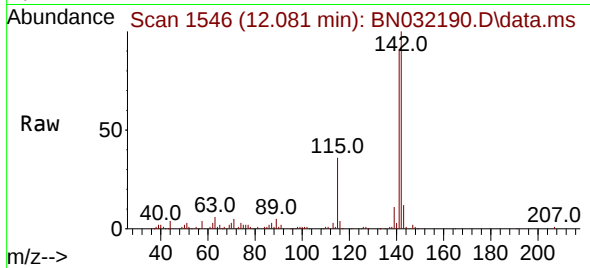
Tgt Ion:128 Resp: 170852
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.0 10.3 15.5





#36
2-Methylnaphthalene
Concen: 2.449 ng/ul
RT: 12.081 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

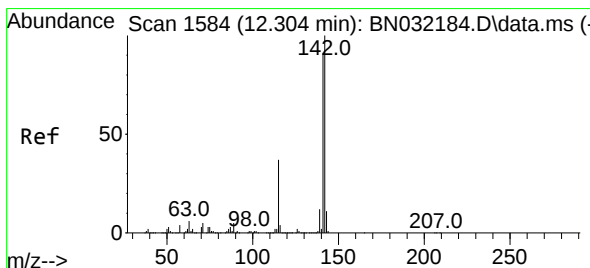
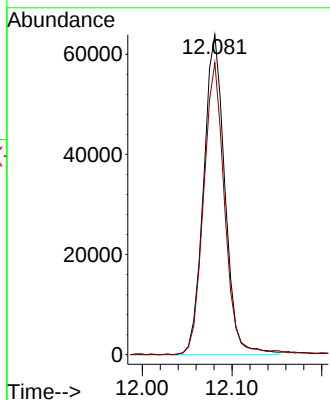
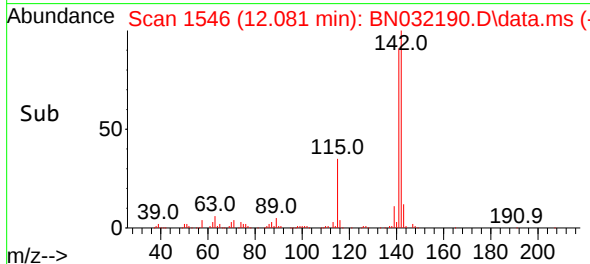
Instrument :
BNA_N
ClientSampleId :
A4D58



Tgt Ion:142 Resp: 104992
Ion Ratio Lower Upper
142 100
141 91.3 70.1 105.1

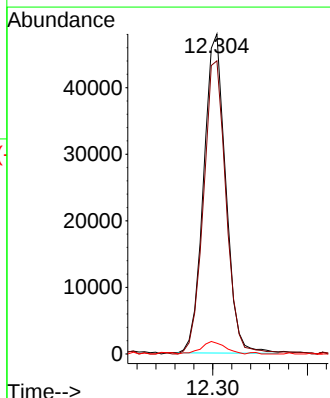
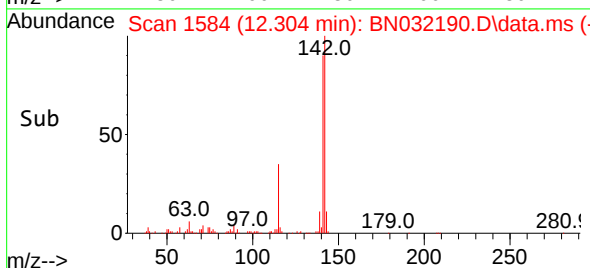
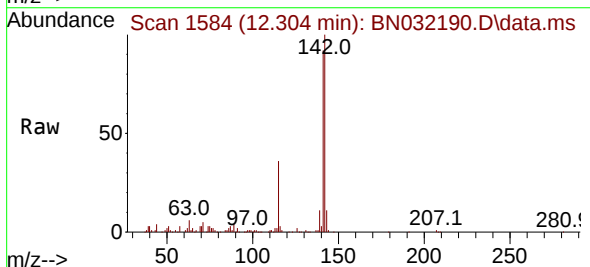
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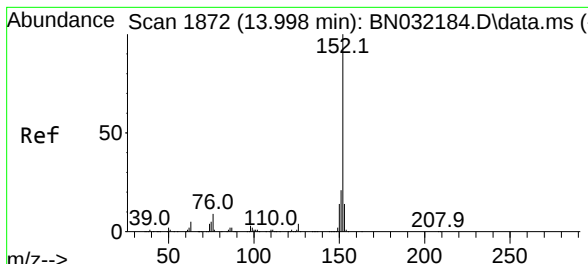
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#37
1-Methylnaphthalene
Concen: 1.805 ng/ul
RT: 12.304 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

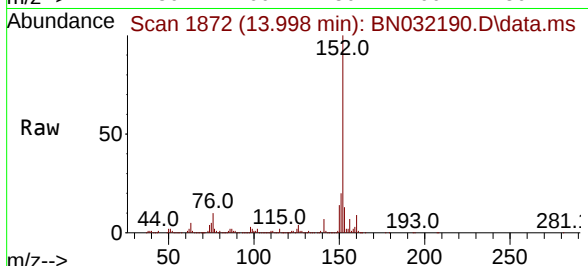
Tgt Ion:142 Resp: 77660
Ion Ratio Lower Upper
142 100
141 91.6 71.7 107.5
116 3.3 3.0 4.4





#50
Acenaphthylene
Concen: 4.753 ng/ul
RT: 13.998 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

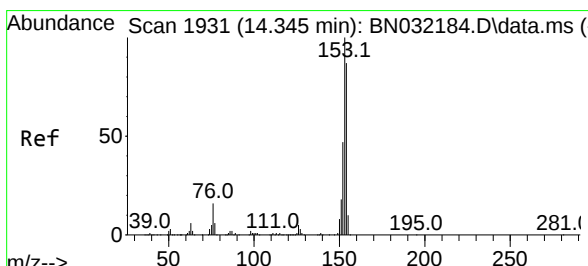
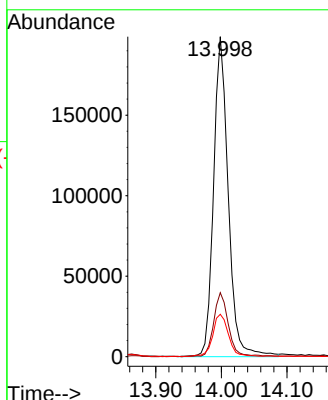
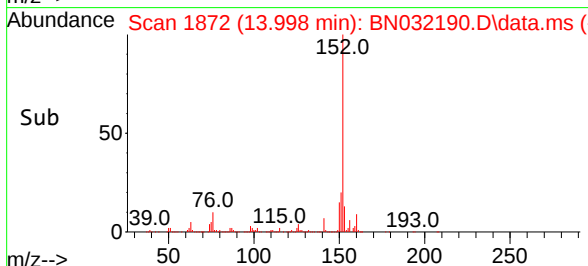
Instrument :
BNA_N
ClientSampleId :
A4D58



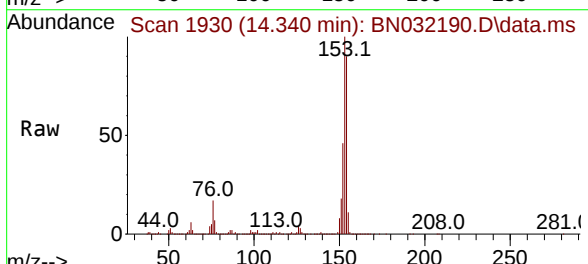
Tgt Ion:152 Resp: 308775
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.3 10.4 15.6

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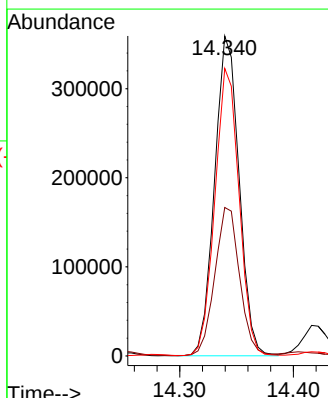
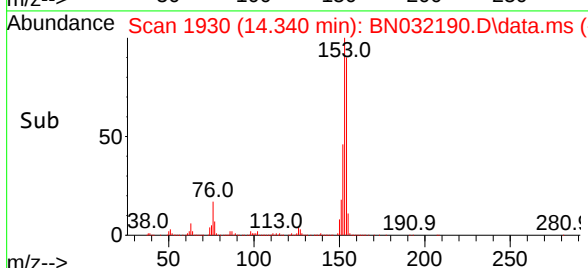
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

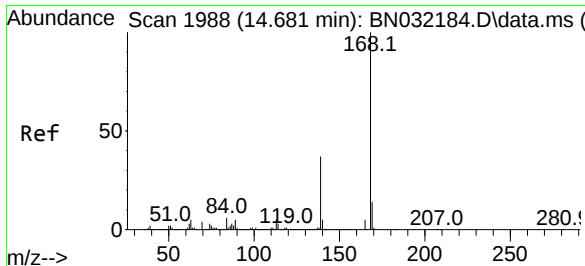


#52
Acenaphthene
Concen: 12.527 ng/ul
RT: 14.340 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02



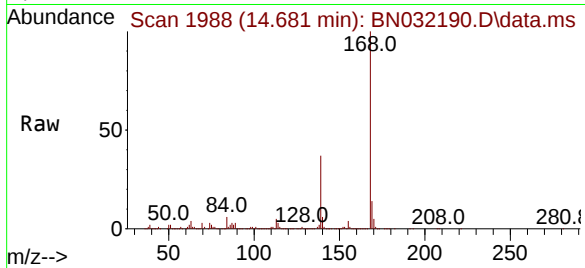
Tgt Ion:153 Resp: 538522
Ion Ratio Lower Upper
153 100
152 46.4 37.8 56.6
154 89.9 69.8 104.8





#56
Dibenzenofuran
Concen: 10.350 ng/ul
RT: 14.681 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

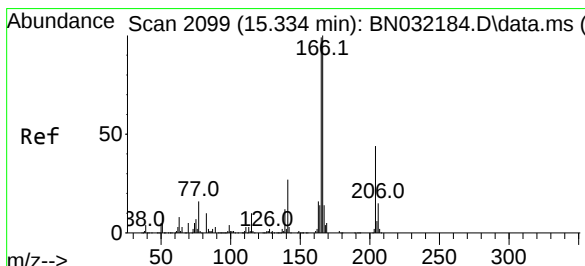
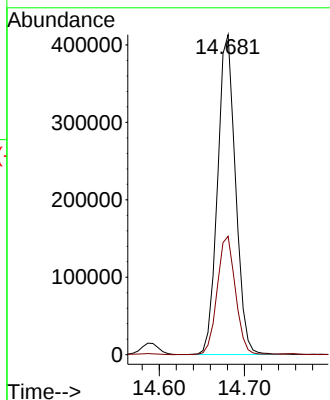
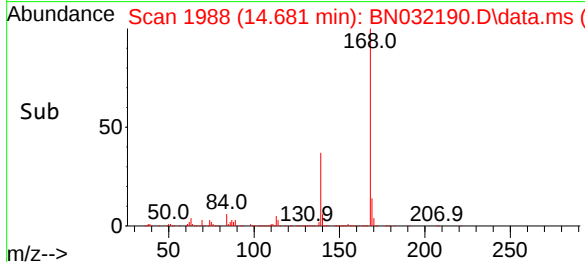
Instrument :
BNA_N
ClientSampleId :
A4D58



Tgt Ion:168 Resp: 604464
Ion Ratio Lower Upper
168 100
139 37.0 29.4 44.0

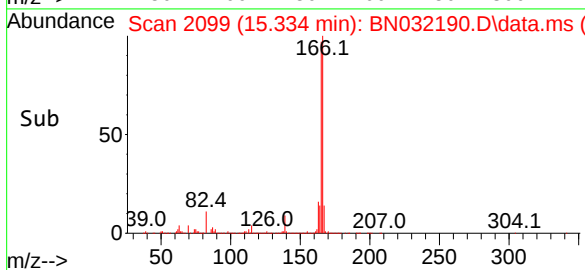
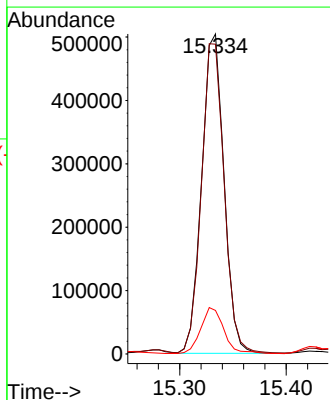
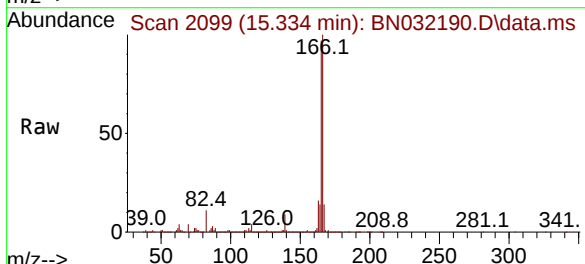
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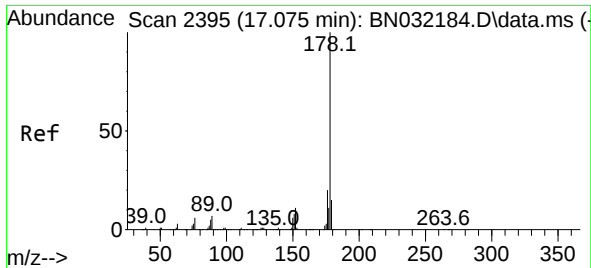
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#61
Fluorene
Concen: 15.604 ng/ul
RT: 15.334 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

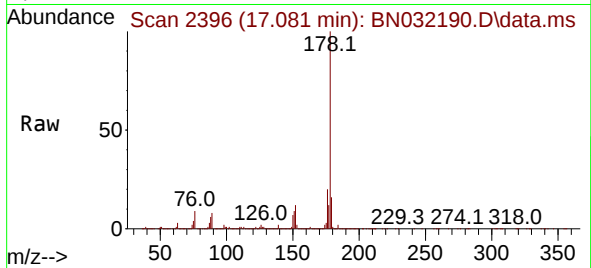
Tgt Ion:166 Resp: 733881
Ion Ratio Lower Upper
166 100
165 96.8 80.3 120.5
167 13.6 11.3 16.9





#72
Phenanthrene
Concen: 123.059 ng/u1
RT: 17.081 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

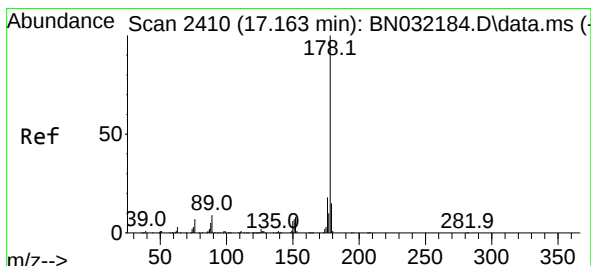
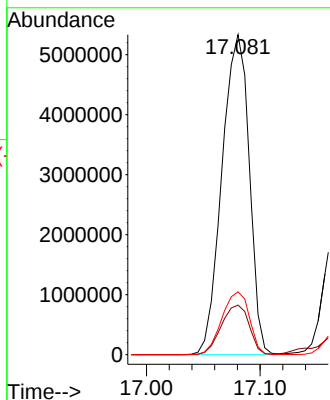
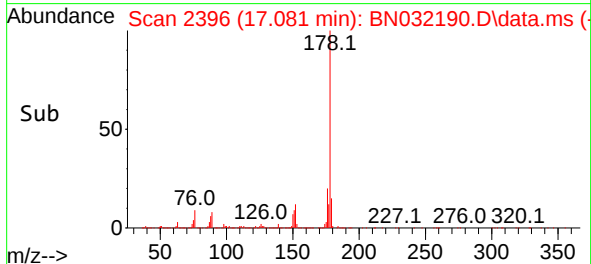
Instrument :
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A4D58



Tgt Ion:178 Resp: 8906830
Ion Ratio Lower Upper
178 100
179 15.5 12.6 19.0
176 19.6 15.8 23.6

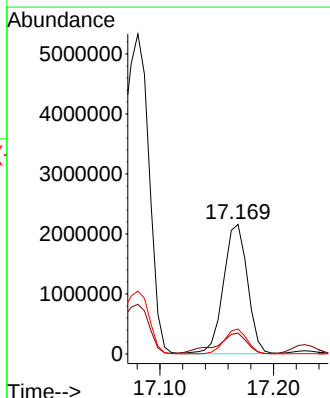
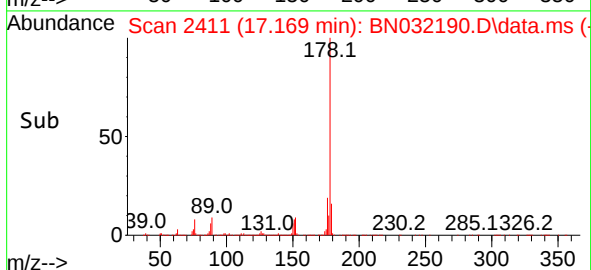
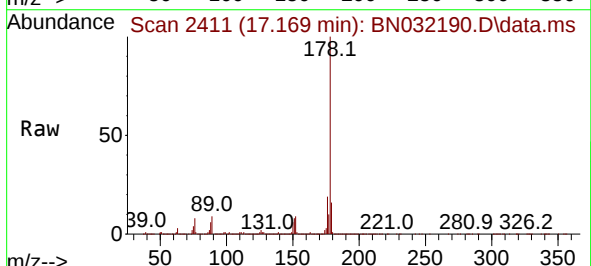
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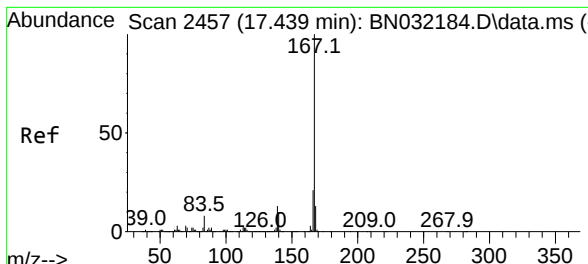
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#74
Anthracene
Concen: 43.341 ng/u1
RT: 17.169 min Scan# 2411
Delta R.T. 0.006 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

Tgt Ion:178 Resp: 3178586
Ion Ratio Lower Upper
178 100
179 16.1 11.8 17.6
176 19.3 14.8 22.2





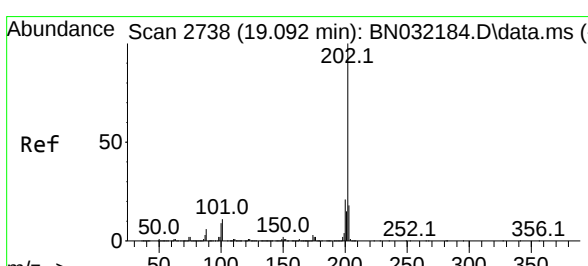
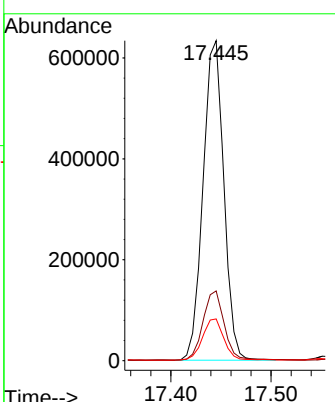
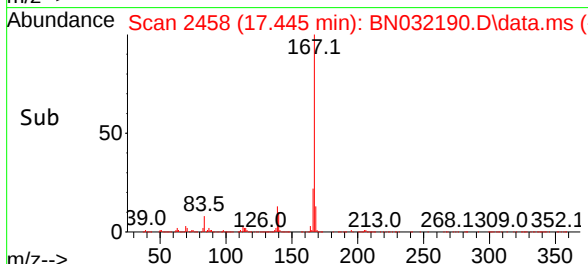
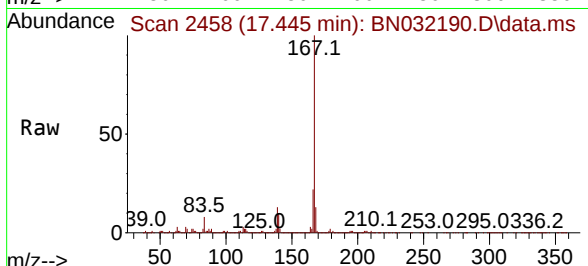
#77
 Carbazole
 Concen: 14.608 ng/ul
 RT: 17.445 min Scan# 2458
 Delta R.T. 0.006 min
 Lab File: BN032190.D
 Acq: 23 Jun 2024 07:02

Instrument : BNA_N
 ClientSampleId : A4D58

Tgt Ion:167 Resp: 913520

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.9	26.9
139	13.1	10.5	15.7

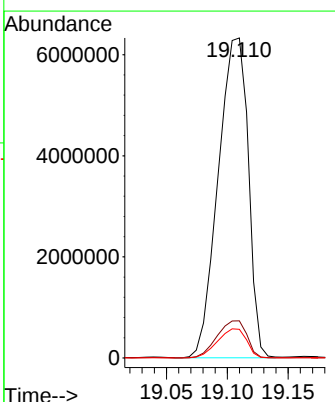
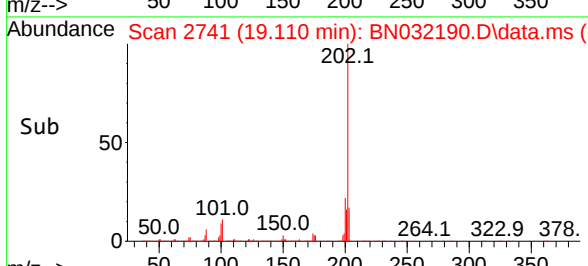
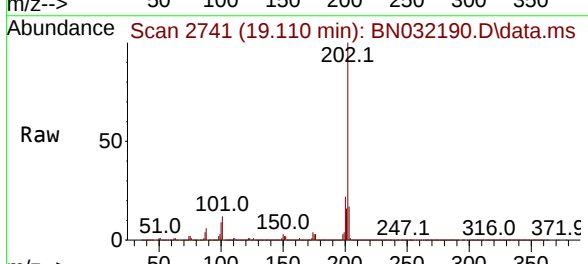
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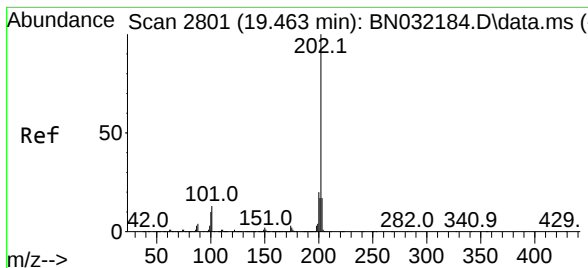


#80
 Fluoranthene
 Concen: 141.542 ng/ul
 RT: 19.110 min Scan# 2741
 Delta R.T. 0.012 min
 Lab File: BN032190.D
 Acq: 23 Jun 2024 07:02

Tgt Ion:202 Resp:10863318

Ion	Ratio	Lower	Upper
202	100		
101	11.6	10.3	15.5
100	8.9	8.0	12.0





#82

Pyrene

Concen: 114.423 ng/ul

RT: 19.469 min Scan# 210

Delta R.T. 0.006 min

Lab File: BN032190.D

Acq: 23 Jun 2024 07:02

Instrument :

BNA_N

ClientSampleId :

A4D58

Tgt Ion:202 Resp: 9010210

Ion Ratio Lower Upper

202 100

101 13.5 12.6 18.8

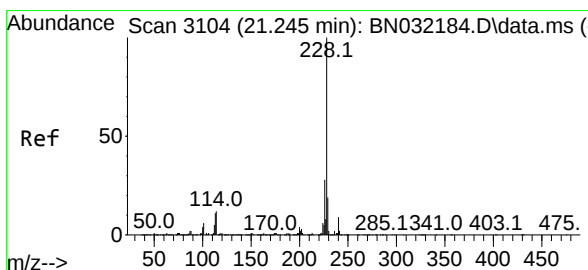
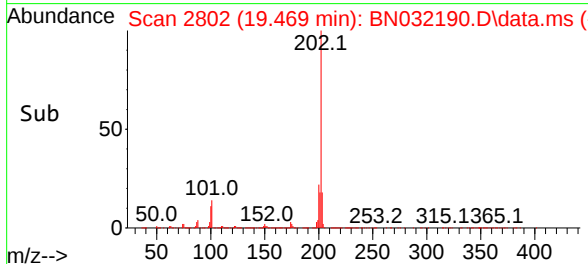
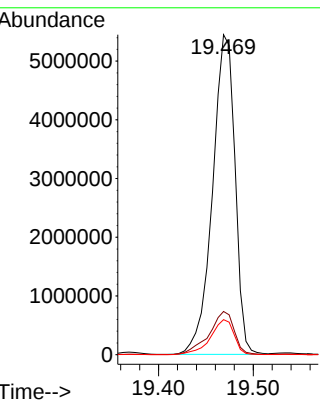
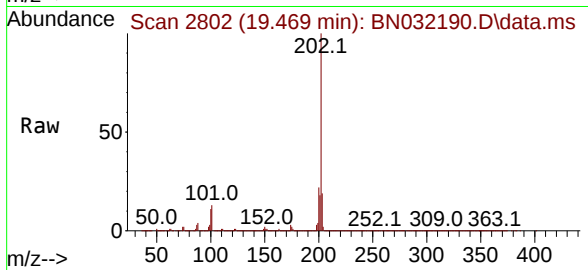
100 11.0 10.2 15.2

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/26/2024



#85

Benzo(a)anthracene

Concen: 76.788 ng/ul

RT: 21.257 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BN032190.D

Acq: 23 Jun 2024 07:02

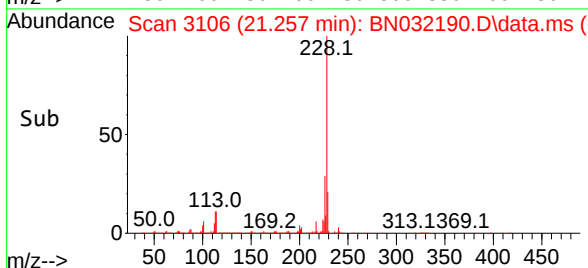
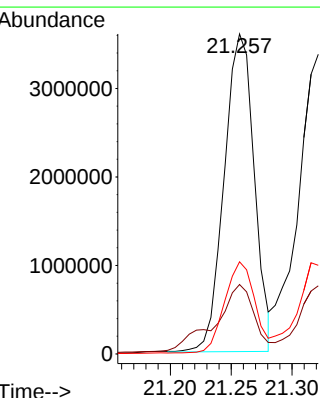
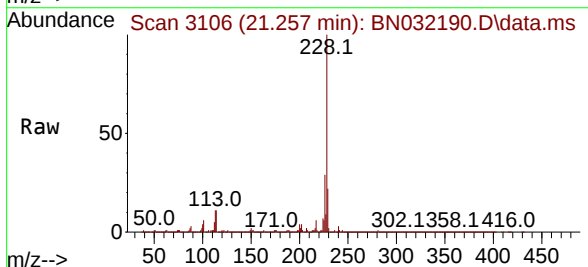
Tgt Ion:228 Resp: 6168294

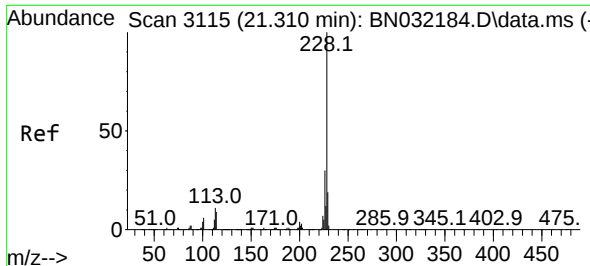
Ion Ratio Lower Upper

228 100

229 21.7 16.7 25.1

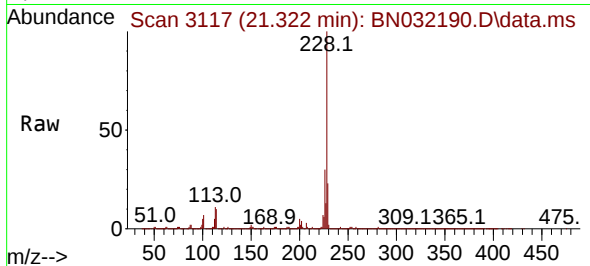
226 28.8 22.8 34.2





#87
Chrysene
Concen: 76.907 ng/ul m
RT: 21.322 min Scan# 3115
Delta R.T. 0.012 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

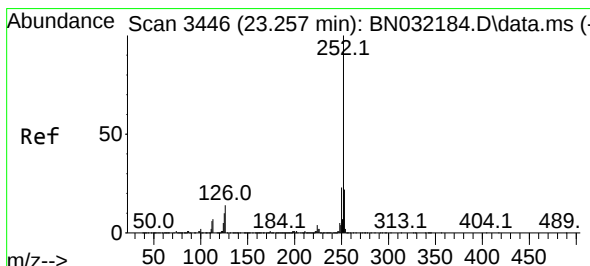
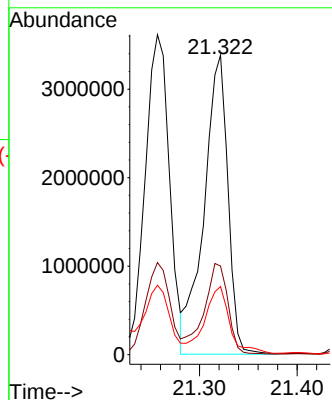
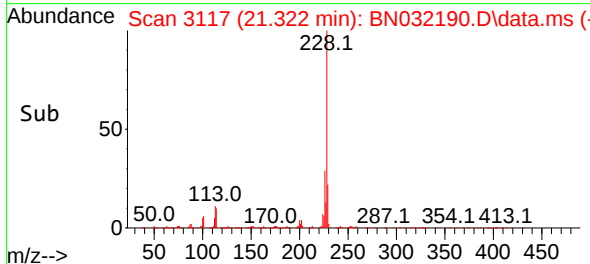
Instrument :
BNA_N
ClientSampleId :
A4D58



Tgt Ion:228 Resp: 577054
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 22.7 15.1 22.7

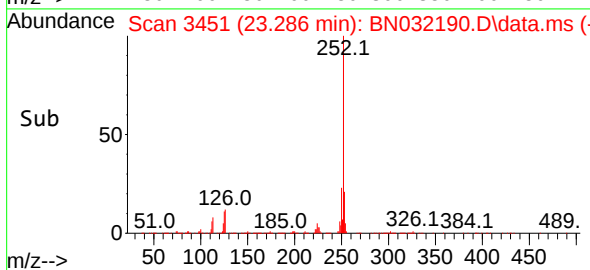
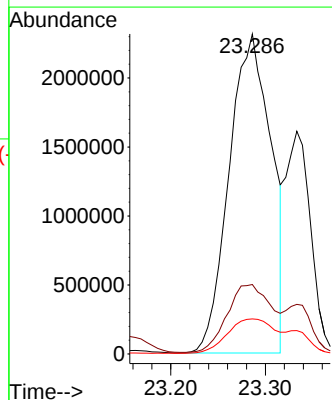
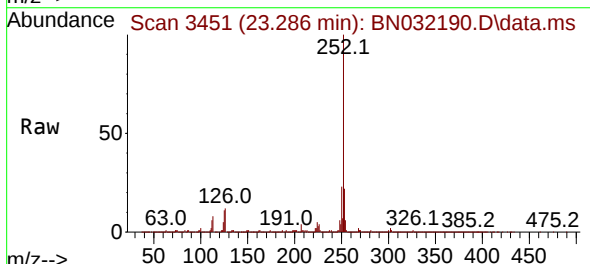
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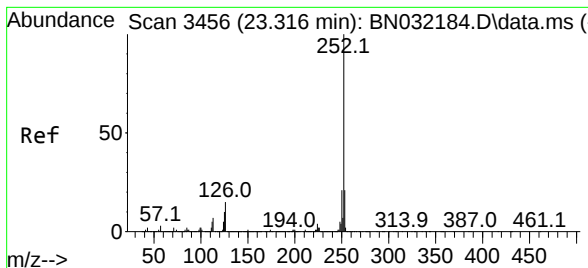
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#90
Benzo(b)fluoranthene
Concen: 73.565 ng/ul
RT: 23.286 min Scan# 3451
Delta R.T. 0.024 min
Lab File: BN032190.D
Acq: 23 Jun 2024 07:02

Tgt Ion:252 Resp: 7123357
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 11.0 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 30.274 ng/u1

RT: 23.333 min Scan# 3456

Delta R.T. 0.012 min

Lab File: BN032190.D

Acq: 23 Jun 2024 07:02

Instrument :

BNA_N

ClientSampleId :

A4D58

Tgt Ion:252 Resp: 287654

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

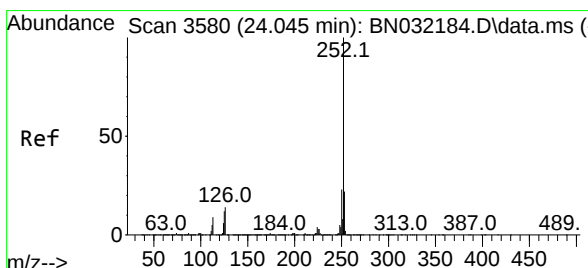
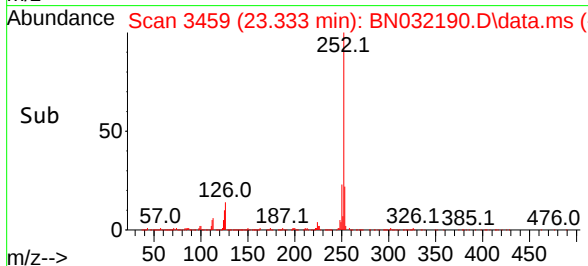
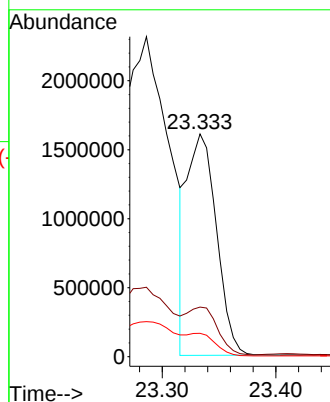
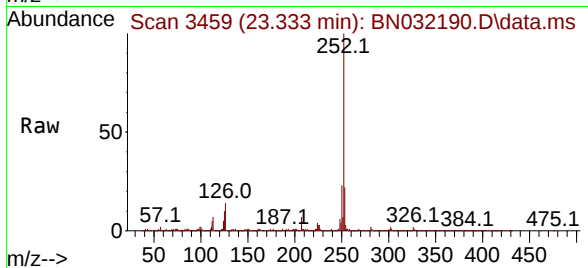
125 10.5 9.4 14.2

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/26/2024



#93

Benzo(a)pyrene

Concen: 38.630 ng/u1

RT: 24.063 min Scan# 3583

Delta R.T. 0.024 min

Lab File: BN032190.D

Acq: 23 Jun 2024 07:02

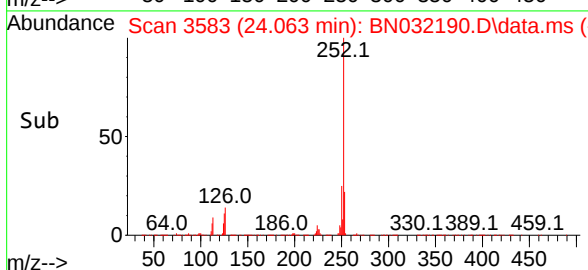
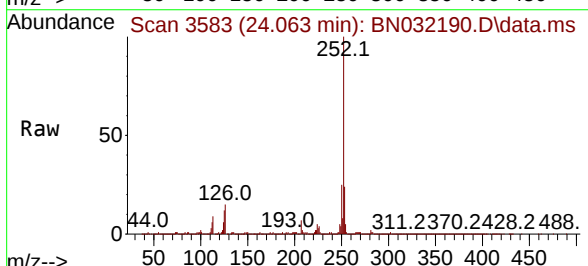
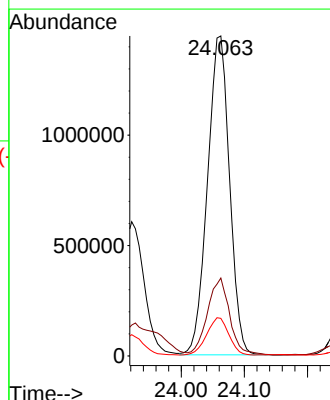
Tgt Ion:252 Resp: 3503375

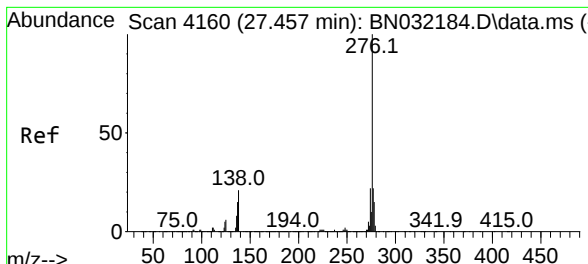
Ion Ratio Lower Upper

252 100

253 24.4 16.6 24.8

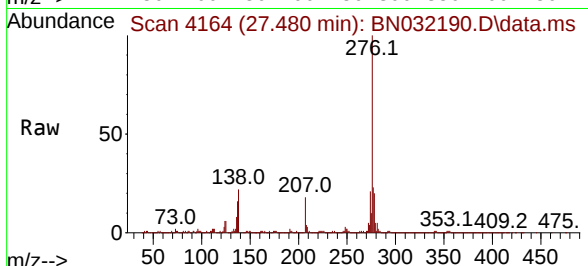
125 11.8 9.8 14.8





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 26.568 ng/ul
 RT: 27.480 min Scan# 4164
 Delta R.T. 0.035 min
 Lab File: BN032190.D
 Acq: 23 Jun 2024 07:02

Instrument :
 BNA_N
 ClientSampleId :
 A4D58

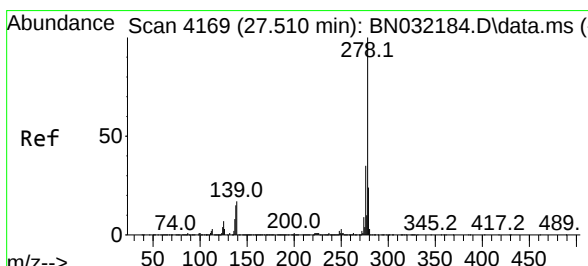
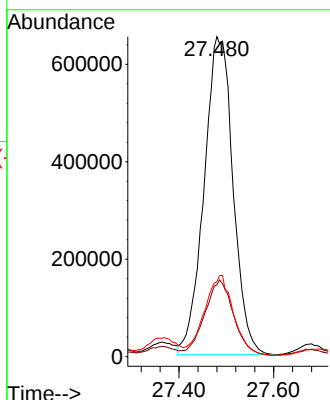
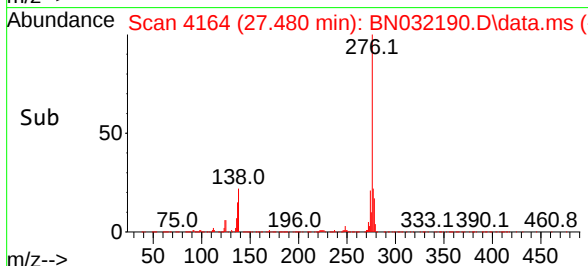


Tgt Ion: 276 Resp: 2776480

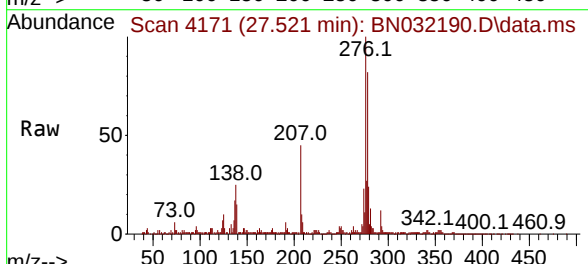
Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.1	27.1
277	23.5	18.2	27.2

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 Supervised By : mohammad ahmed 06/26/2024

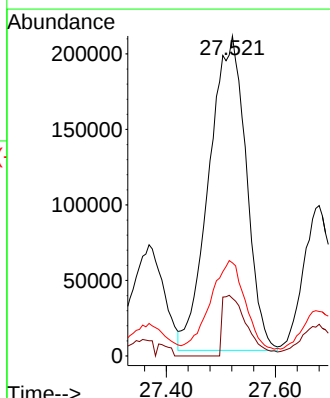
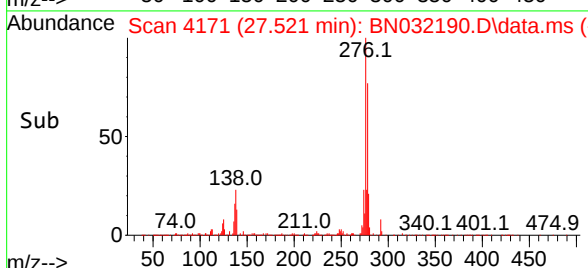


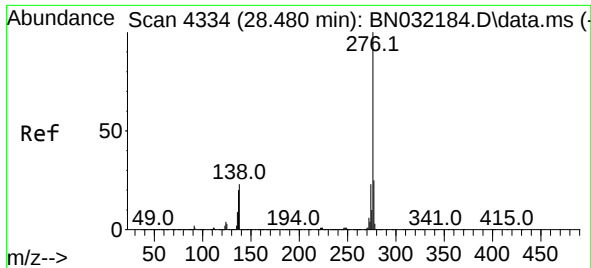
#95
 Dibenzo(a,h)anthracene
 Concen: 11.499 ng/ul m
 RT: 27.521 min Scan# 4171
 Delta R.T. 0.018 min
 Lab File: BN032190.D
 Acq: 23 Jun 2024 07:02



Tgt Ion: 278 Resp: 981107

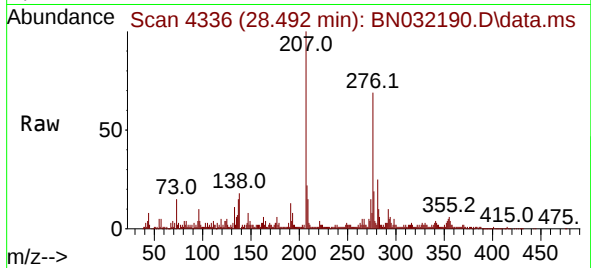
Ion	Ratio	Lower	Upper
278	100		
139	18.0	15.0	22.6
279	29.1	17.4	26.0





#96
 Benzo(g,h,i)perylene
 Concen: 4.160 ng/ul m
 RT: 28.492 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: BN032190.D
 Acq: 23 Jun 2024 07:02

Instrument :
 BNA_N
 ClientSampleId :
 A4D58



Tgt Ion: 276 Resp: 34561

Ion	Ratio	Lower	Upper
276	100		
138	26.2	20.9	31.3
277	27.7	18.0	27.0

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

