

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031789.D
 Acq On : 04 Jun 2024 23:28
 Operator : MA/JU
 Sample : P2591-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ5

Quant Time: Jun 05 02:05:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	502284	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2153109	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1260092	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	2233627	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1272379	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1537336	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	51759	4.263	ng/uL	0.00
4) Pyridine-d5	3.599	84	492749	14.418	ng/u1	0.00
7) Phenol-d5	6.852	99	1203410	27.947	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	648855	25.762	ng/u1	0.00
11) 2-Chlorophenol-d4	7.211	132	956694	29.118	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	939585	26.769	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	481955	29.276	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	518781	30.506	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	894275	28.168	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	1055142	22.384	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2550778	29.057	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2954474	29.270	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	391054	22.249	ng/u1	0.00
60) Fluorene-d10	15.316	176	2117155	28.503	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	141571	12.610	ng/u1	0.00
73) Anthracene-d10	17.169	188	2893181	30.255	ng/u1	0.00
81) Pyrene-d10	19.469	212	2412776	35.436	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	1710110	23.296	ng/u1	0.00
Target Compounds						
30) Naphthalene	10.510	128	452490	4.061	ng/u1	100
36) 2-Methylnaphthalene	12.128	142	149683	1.965	ng/u1	94
37) 1-Methylnaphthalene	12.352	142	126616	1.657	ng/u1	97
50) Acenaphthylene	14.046	152	123475	1.082	ng/u1	98
52) Acenaphthene	14.387	153	397111	5.261	ng/u1	98
56) Dibenzofuran	14.722	168	612450	5.972	ng/u1	100
61) Fluorene	15.375	166	427955	5.182	ng/u1	98
72) Phenanthrene	17.116	178	8655998	76.074	ng/u1	99
74) Anthracene	17.204	178	1925039	16.697	ng/u1	99
77) Carbazole	17.475	167	1251995	12.735	ng/u1	99
80) Fluoranthene	19.139	202	10364170	127.368	ng/u1	99
82) Pyrene	19.498	202	7549335	90.425	ng/u1	99
85) Benzo(a)anthracene	21.286	228	4348516	51.059	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.216	149	77453	1.347	ng/u1#	98
87) Chrysene	21.351	228	4053789m	50.958	ng/u1	
90) Benzo(b)fluoranthene	23.327	252	5057458	55.038	ng/u1	98
91) Benzo(k)fluoranthene	23.374	252	2134638m	23.674	ng/u1	
93) Benzo(a)pyrene	24.110	252	2398321	27.867	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.568	276	2018886	20.357	ng/u1	95
95) Dibenzo(a,h)anthracene	27.610	278	678397	8.379	ng/u1#	93
96) Benzo(g,h,i)perylene	28.586	276	278798m	3.536	ng/u1	

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

Instrument :

BNA_N

ClientSampleId :

BHBQ5

Manual Integrations

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Supervised By :mohammad ahmed 06/07/2024

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Supervised By :mohammad
ahmed

06/07/2024

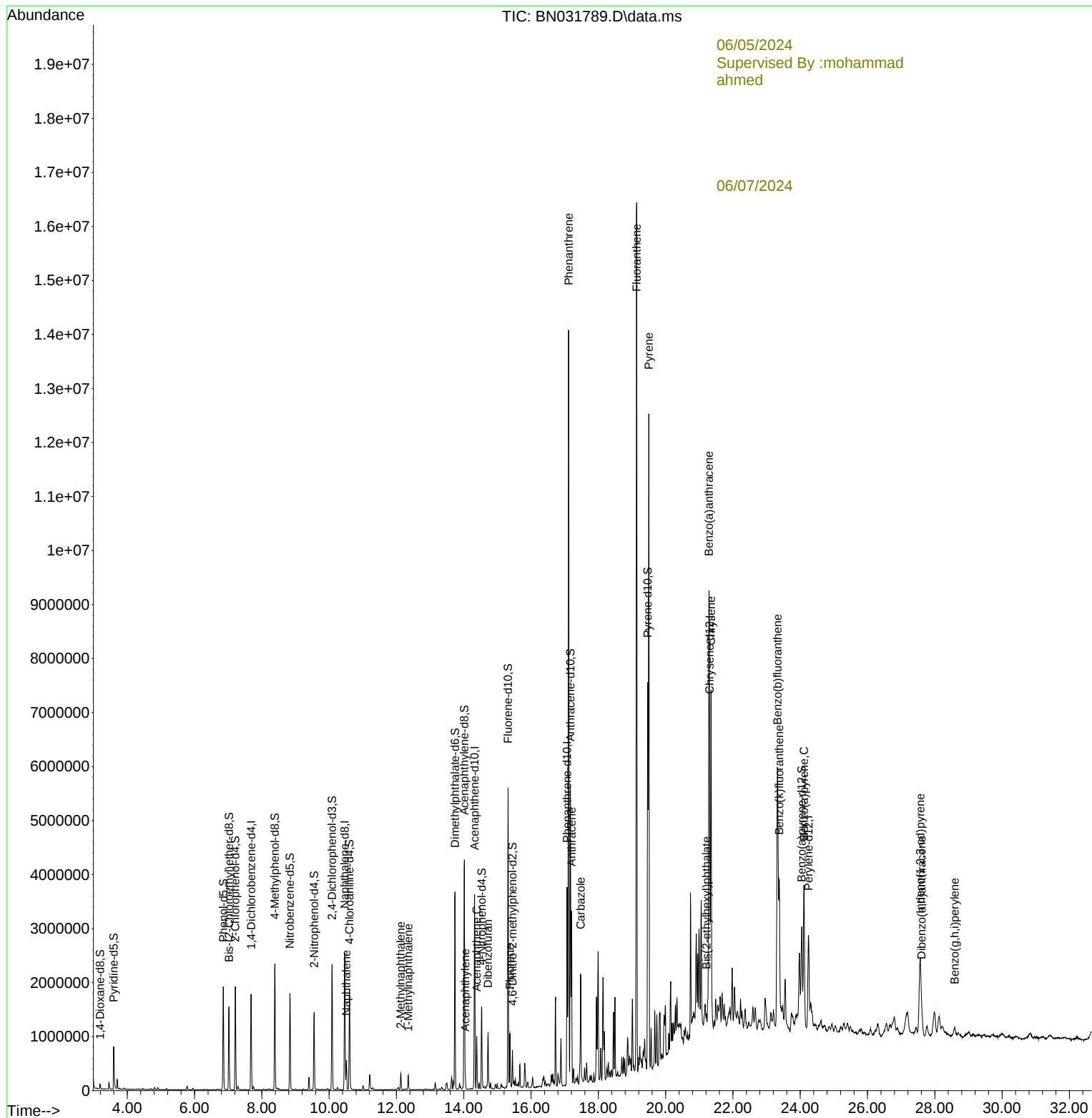
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
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ALS Vial : 12 Sample Multiplier: 1

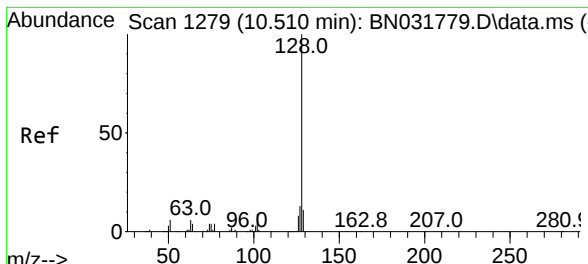
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
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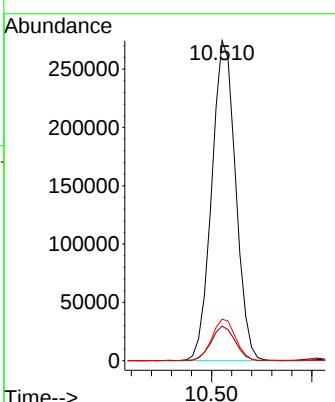
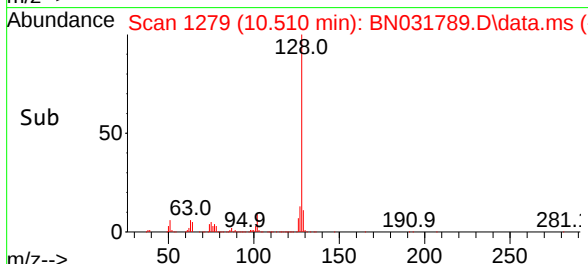
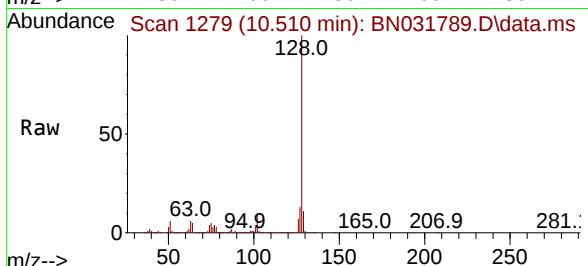


#30
Naphthalene
Concen: 4.061 ng/ul
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

Instrument : BNA_N
ClientSampleId : BHBQ5

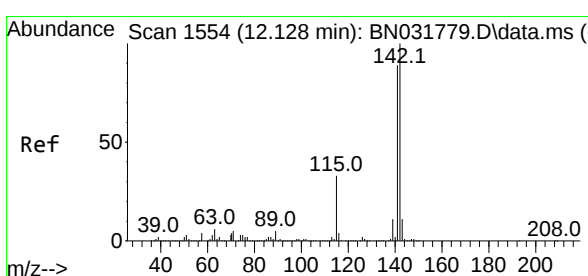
Tgt Ion:128	Resp: 452490
Ion Ratio	Lower Upper
128 100	
129 10.8	8.5 12.7
127 13.0	10.3 15.5

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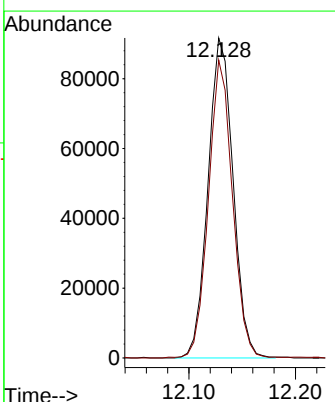
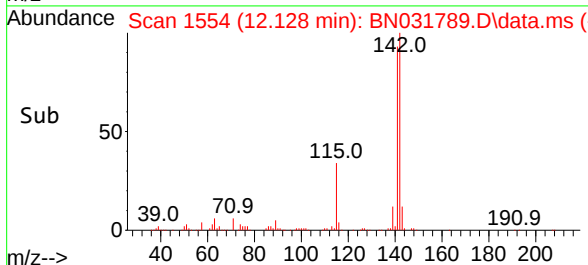
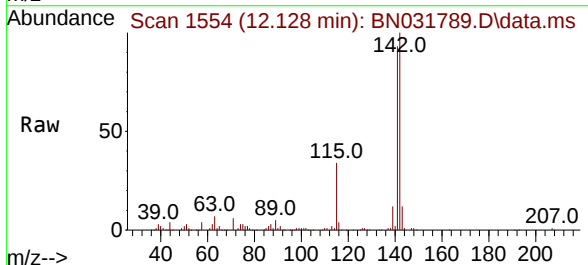
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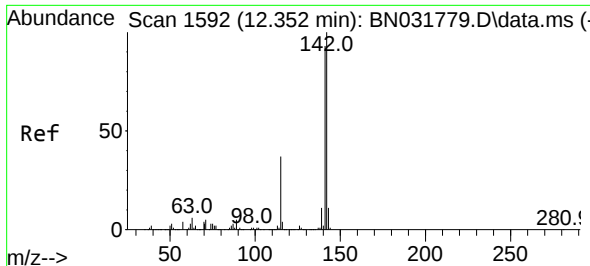
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#36
2-Methylnaphthalene
Concen: 1.965 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

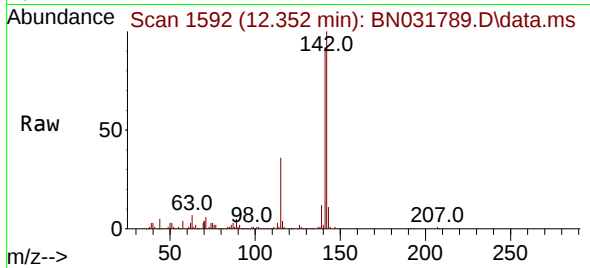
Tgt Ion:142	Resp:	149683	
Ion	Ratio	Lower	Upper
142	100		
141	93.1	70.1	105.1





#37
1-Methylnaphthalene
Concen: 1.657 ng/ul
RT: 12.352 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

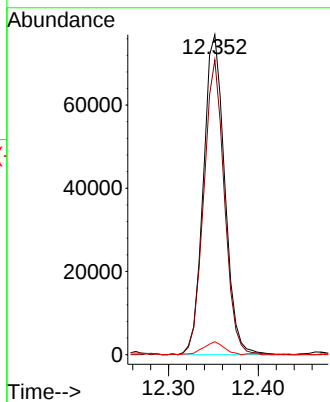
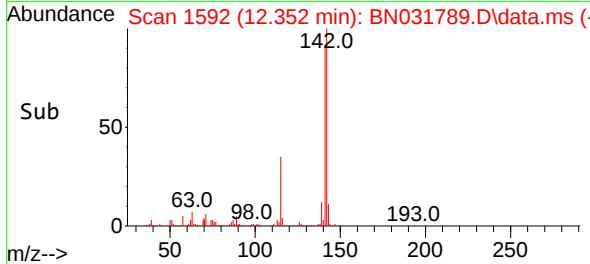
Instrument :
BNA_N
ClientSampleId :
BHBQ5



Tgt Ion:142 Resp: 126610
Ion Ratio Lower Upper
142 100
141 92.1 71.7 107.5
116 4.0 3.0 4.4

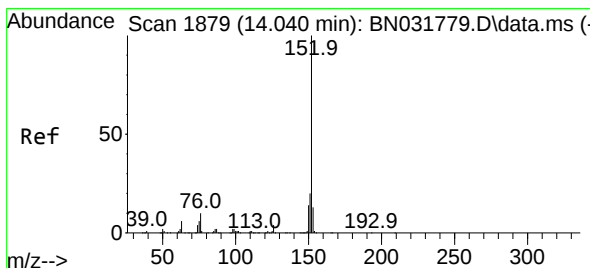
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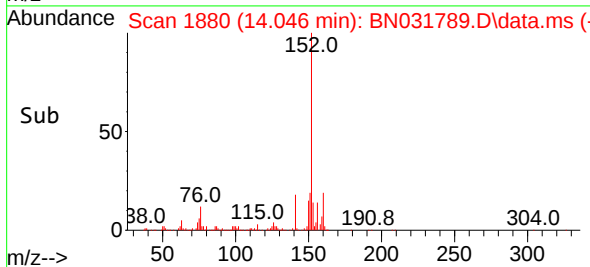
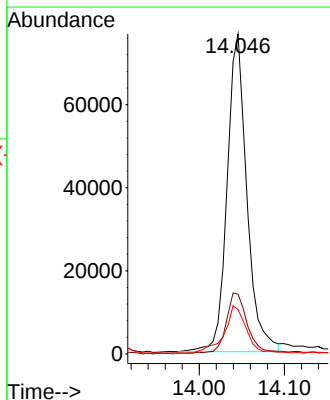
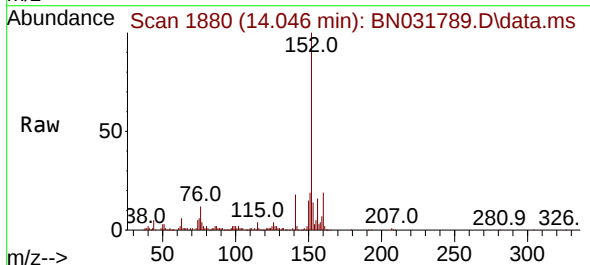
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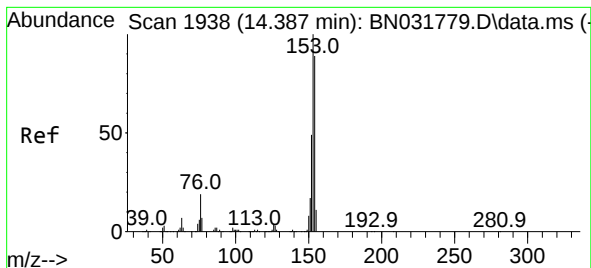
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#50
Acenaphthylene
Concen: 1.082 ng/ul
RT: 14.046 min Scan# 1880
Delta R.T. 0.000 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

Tgt Ion:152 Resp: 123475
Ion Ratio Lower Upper
152 100
151 18.7 15.9 23.9
153 13.9 10.4 15.6





#52

Acenaphthene

Concen: 5.261 ng/u1

RT: 14.387 min Scan# 1938

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BN_A_N

ClientSampleId :

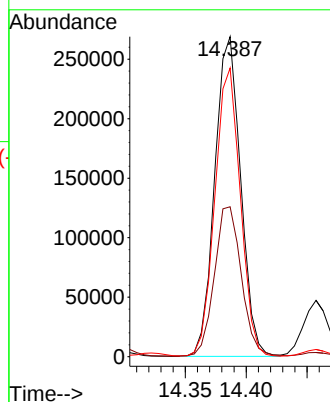
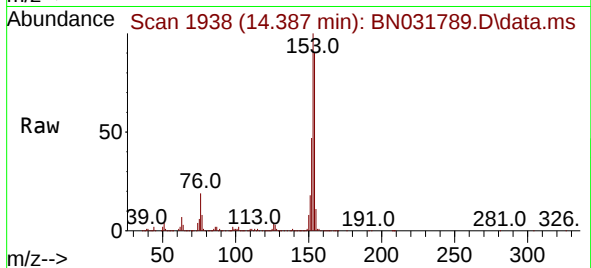
BHBQ5

Tgt Ion:	153	Resp:	39711
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.8	56.6
154	90.2	69.8	104.8

Manual Integrations

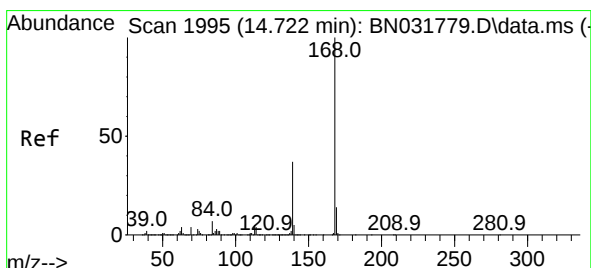
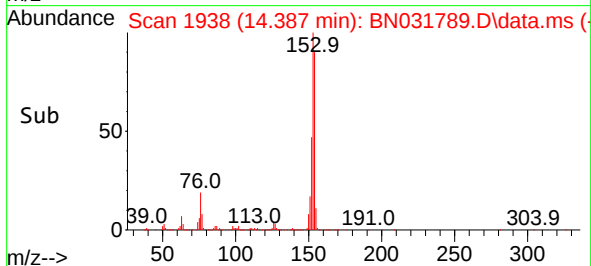
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#56

Dibenzofuran

Concen: 5.972 ng/u1

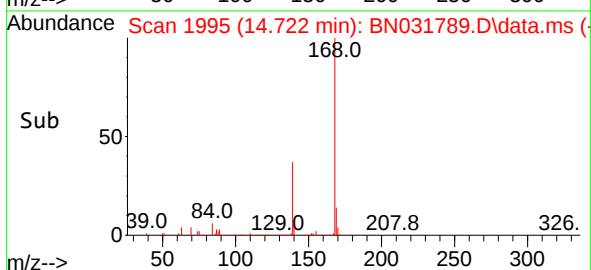
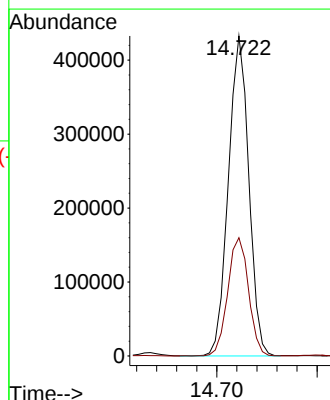
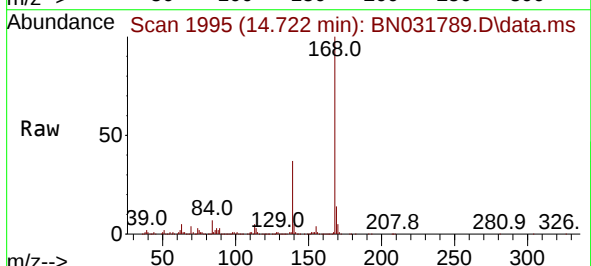
RT: 14.722 min Scan# 1995

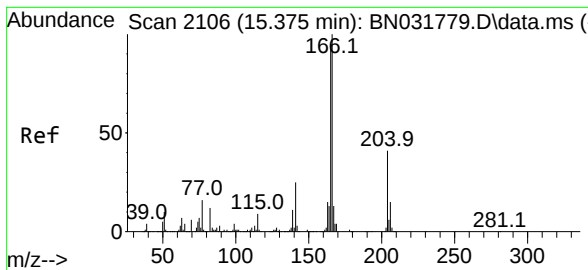
Delta R.T. -0.006 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

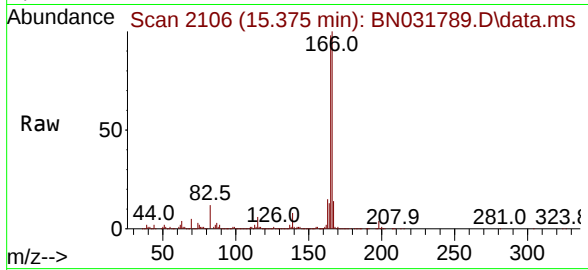
Tgt Ion:	168	Resp:	612450
Ion Ratio	Lower	Upper	
168	100		
139	37.0	29.4	44.0





#61
 Fluorene
 Concen: 5.182 ng/ul
 RT: 15.375 min Scan# 2106
 Delta R.T. 0.000 min
 Lab File: BN031789.D
 Acq: 04 Jun 2024 23:28

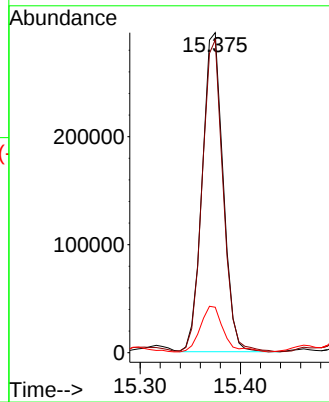
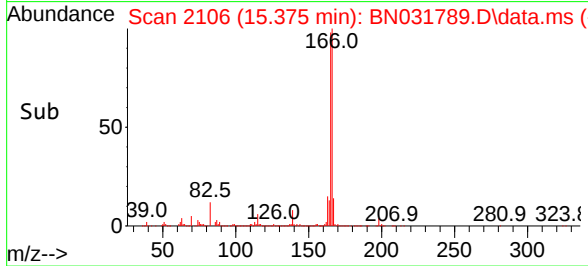
Instrument :
 BNA_N
 ClientSampleId :
 BHBQ5



Tgt Ion:166 Resp: 427958
 Ion Ratio Lower Upper
 166 100
 165 97.7 80.3 120.5
 167 14.2 11.3 16.9

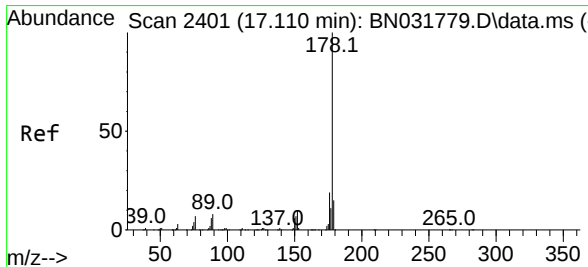
Manual Integrations
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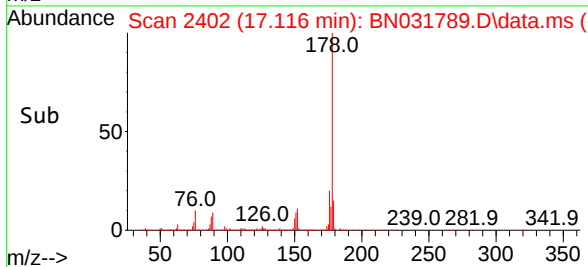
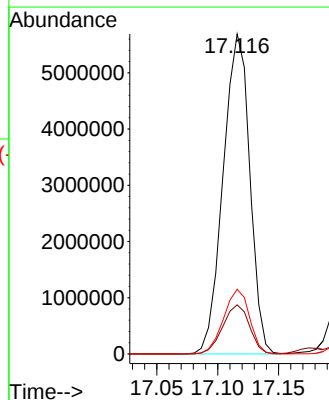
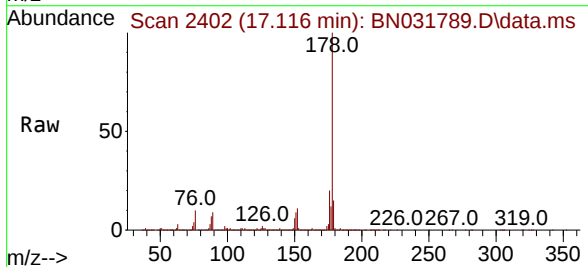
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 ahmed

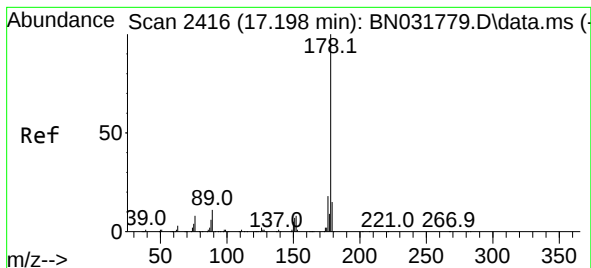
06/07/2024



#72
 Phenanthrene
 Concen: 76.074 ng/ul
 RT: 17.116 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: BN031789.D
 Acq: 04 Jun 2024 23:28

Tgt Ion:178 Resp: 8655998
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.6 19.0
 176 20.2 15.8 23.6





#74

Anthracene

Concen: 16.697 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BNA_N

ClientSampleId :

BHBQ5

Tgt Ion:178 Resp: 1925039

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.6

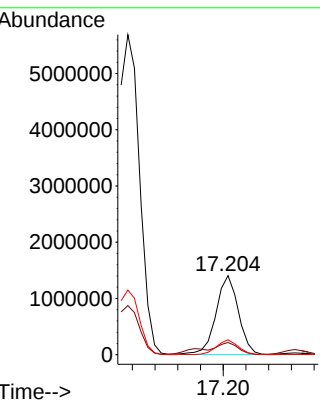
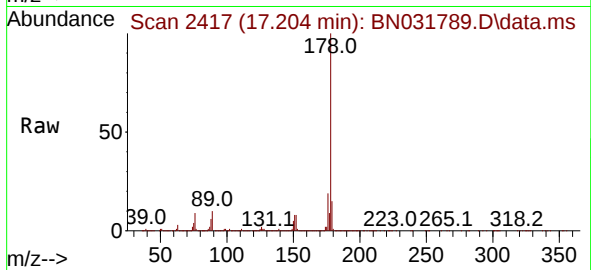
176 18.9 14.8 22.2

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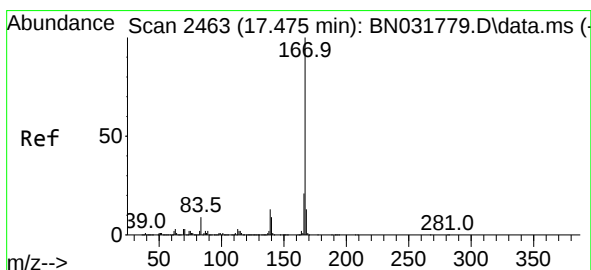
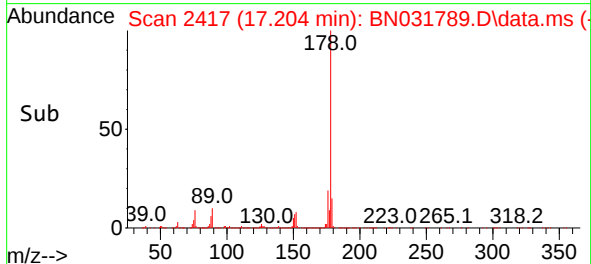
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#77

Carbazole

Concen: 12.735 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

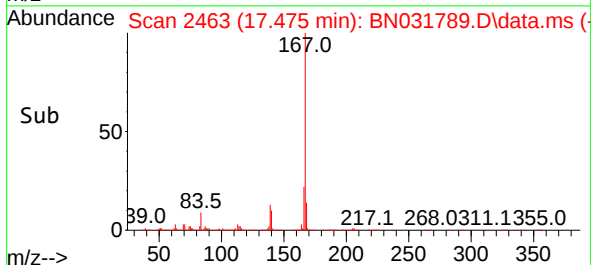
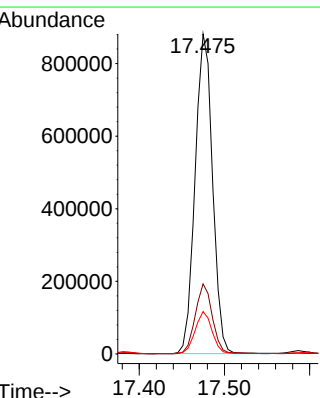
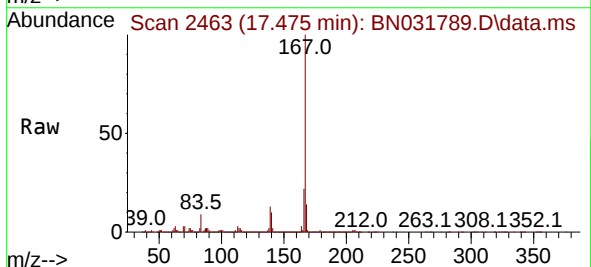
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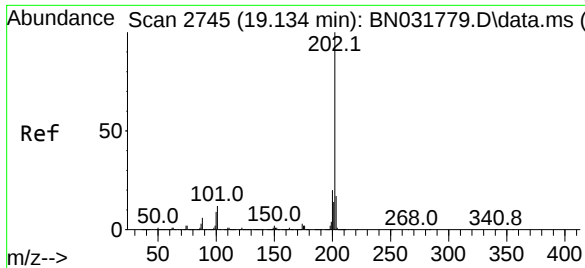
Ion Ratio Lower Upper

167 100

166 21.9 17.9 26.9

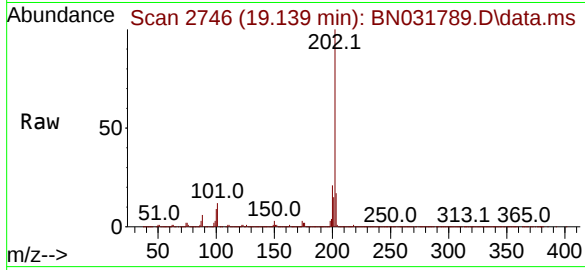
139 13.2 10.5 15.7





#80
Fluoranthene
Concen: 127.368 ng/u1
RT: 19.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

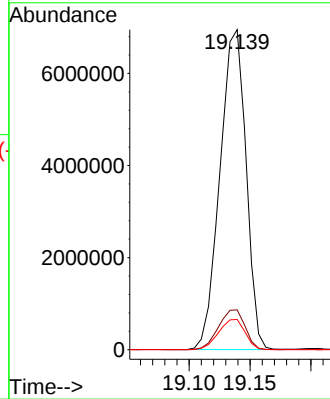
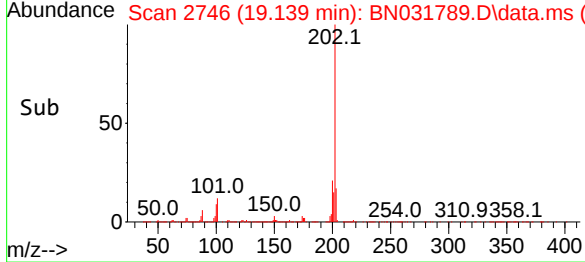
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:202 Resp:10364170
Ion Ratio Lower Upper
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101 12.4 10.3 15.5
100 9.5 8.0 12.0

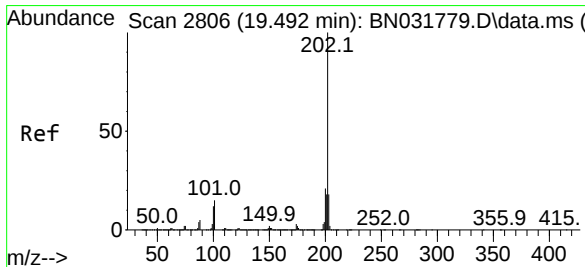
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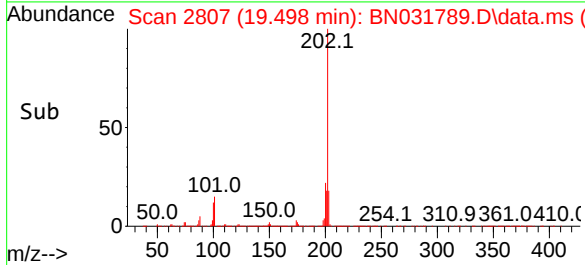
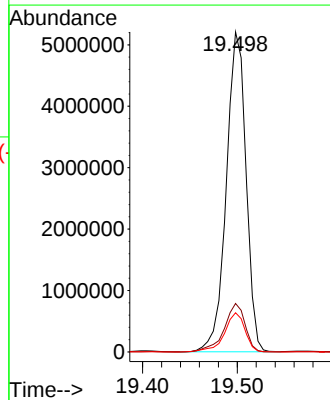
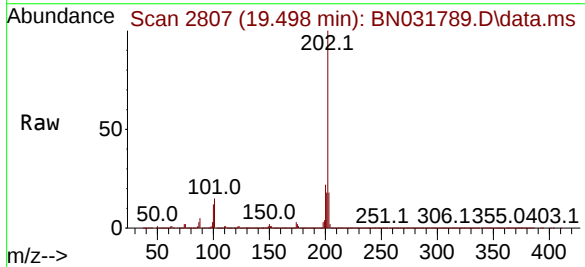
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Supervised By :mohammad
ahmed

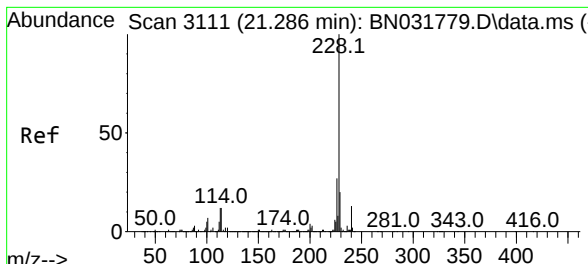
06/07/2024



#82
Pyrene
Concen: 90.425 ng/u1
RT: 19.498 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

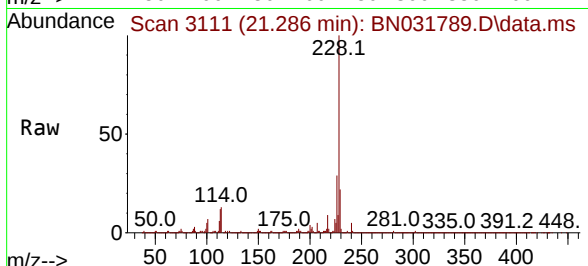
Tgt Ion:202 Resp: 7549335
Ion Ratio Lower Upper
202 100
101 15.1 12.6 18.8
100 12.2 10.2 15.2





#85
Benzo(a)anthracene
Concen: 51.059 ng/ul
RT: 21.286 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

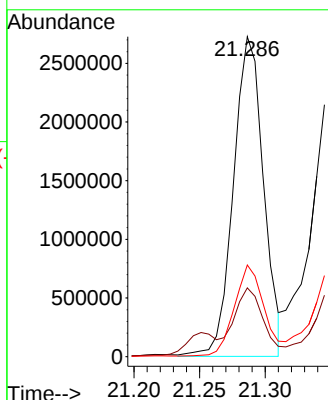
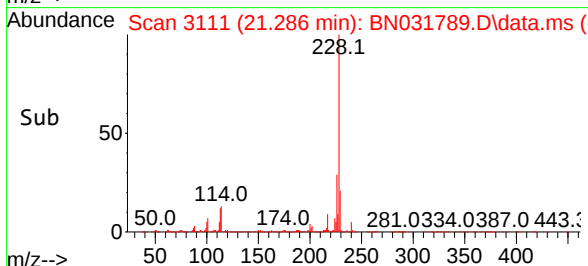
Instrument :
BNA_N
ClientSampleId :
BHBQ5



Tgt Ion:228 Resp: 4348510
Ion Ratio Lower Upper
228 100
229 21.5 16.7 25.1
226 28.7 22.8 34.2

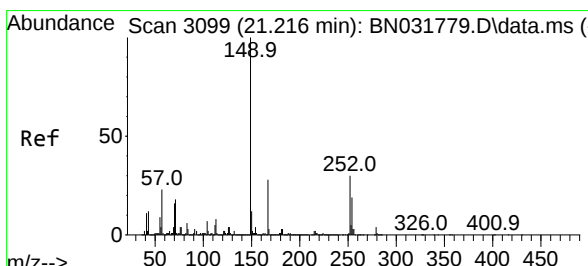
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Supervised By :mohammad ahmed 06/07/2024



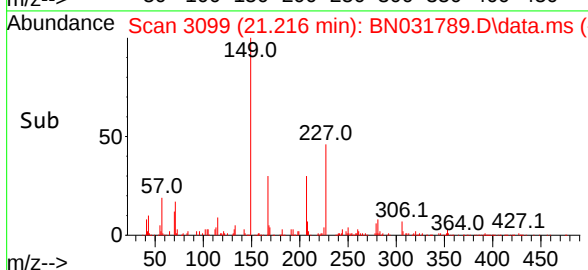
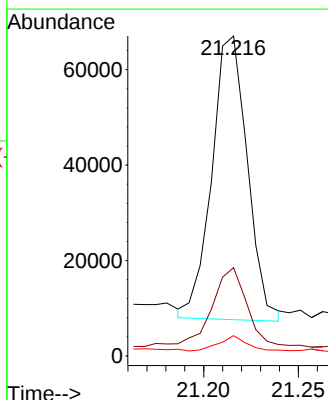
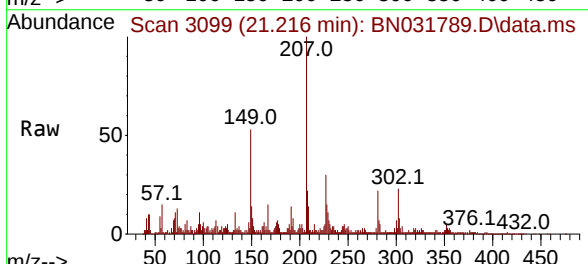
06/05/2024
Supervised By :mohammad
ahmed

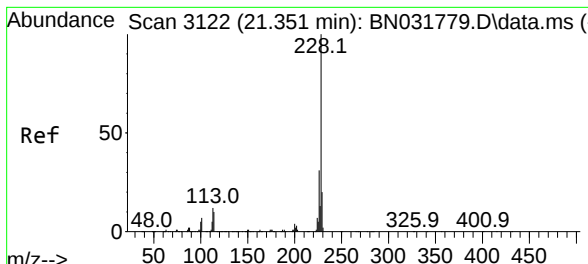
06/07/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.347 ng/ul
RT: 21.216 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

Tgt Ion:149 Resp: 77453
Ion Ratio Lower Upper
149 100
167 27.6 21.4 32.0
279 6.3 3.3 4.9#





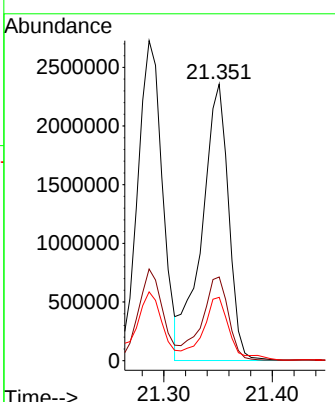
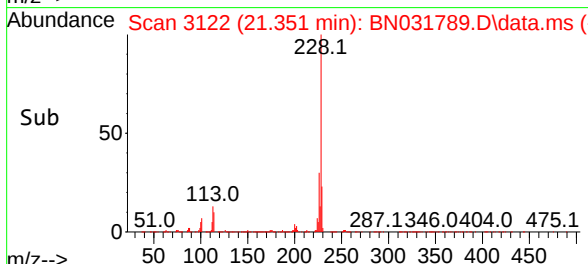
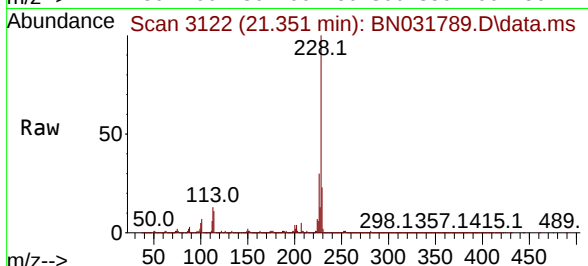
#87
Chrysene
 Concen: 50.958 ng/ul m
 RT: 21.351 min Scan# 3122
 Delta R.T. 0.000 min
 Lab File: BN031789.D
 Acq: 04 Jun 2024 23:28

Instrument :
 BNA_N
ClientSampleId :
 BHBQ5

Tgt Ion:228 Resp: 4053789

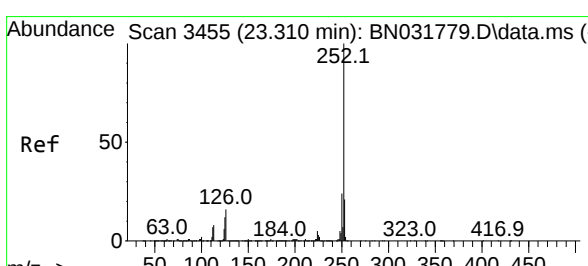
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	22.9	15.1	22.7

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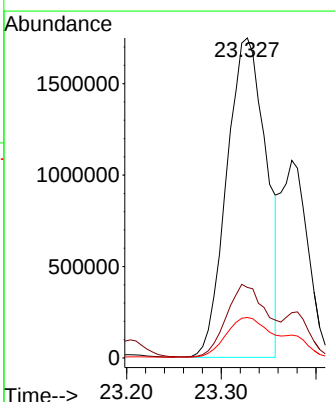
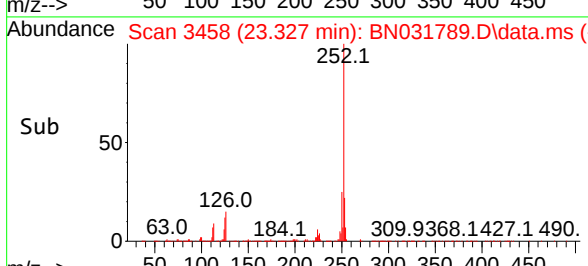
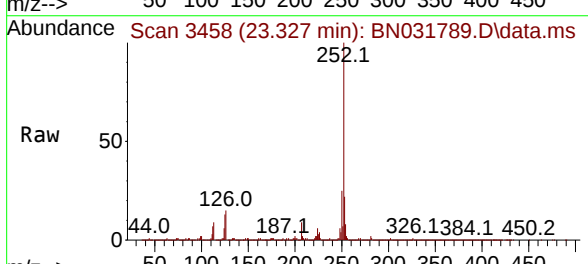
06/07/2024

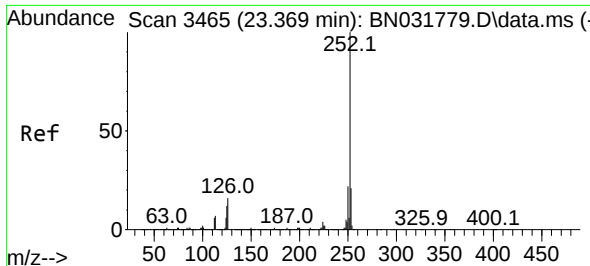


#90
Benzo(b)fluoranthene
 Concen: 55.038 ng/ul
 RT: 23.327 min Scan# 3458
 Delta R.T. 0.018 min
 Lab File: BN031789.D
 Acq: 04 Jun 2024 23:28

Tgt Ion:252 Resp: 5057458

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	12.6	9.2	13.8





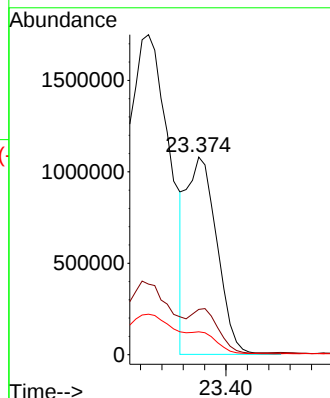
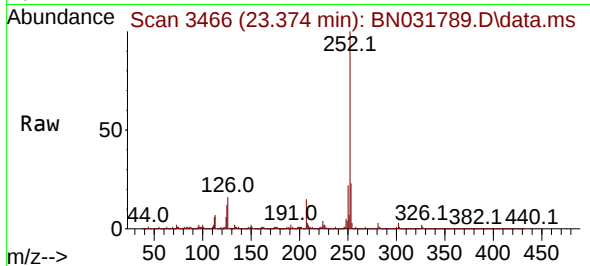
#91
Benzo(k)fluoranthene
Concen: 23.674 ng/ul m
RT: 23.374 min Scan# 3465
Delta R.T. 0.000 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

Instrument :
BNA_N
ClientSampleId :
BHBQ5

Tgt Ion:252 Resp: 2134638
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.6 9.4 14.2

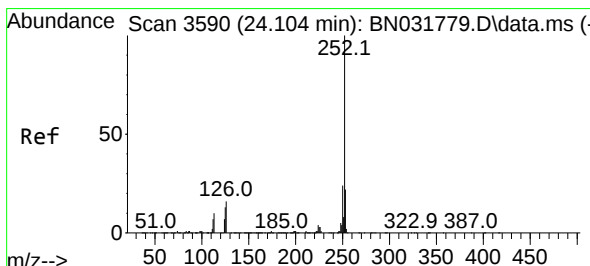
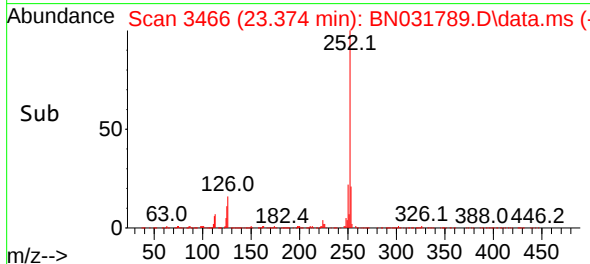
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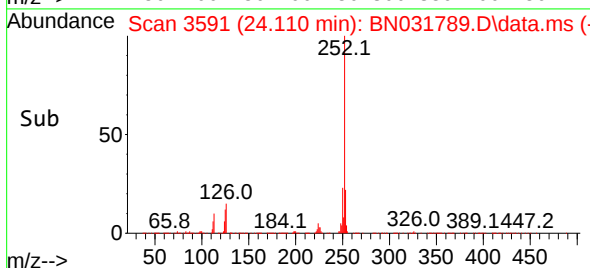
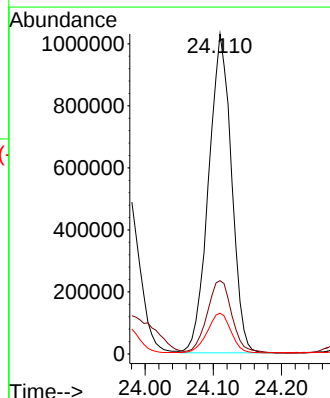
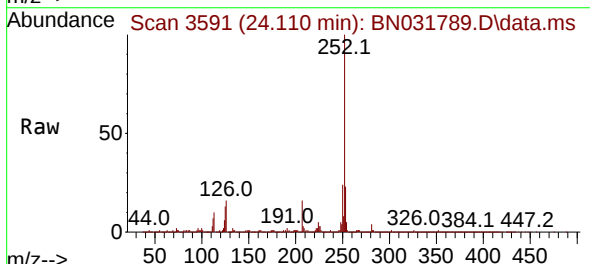
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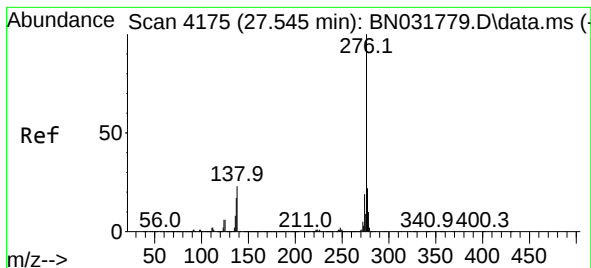
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#93
Benzo(a)pyrene
Concen: 27.867 ng/ul
RT: 24.110 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

Tgt Ion:252 Resp: 2398321
Ion Ratio Lower Upper
252 100
253 22.9 16.6 24.8
125 12.8 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 20.357 ng/ul

RT: 27.568 min Scan# 4179

Delta R.T. 0.035 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BNA_N

ClientSampleId :

BHBQ5

Tgt Ion:276 Resp: 201886

Ion Ratio Lower Upper

276 100

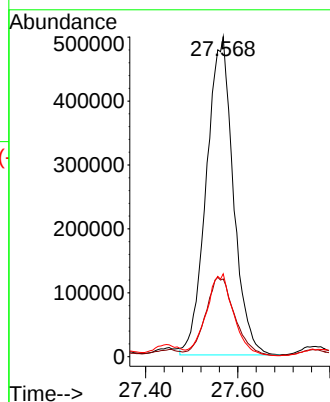
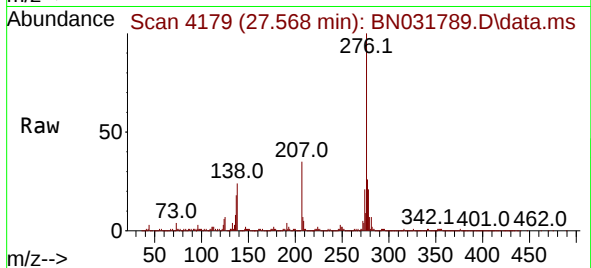
138 24.3 18.1 27.1

277 25.9 18.2 27.2

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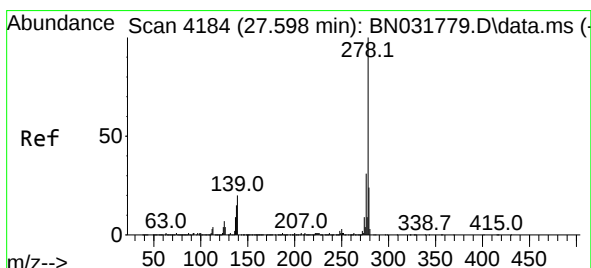
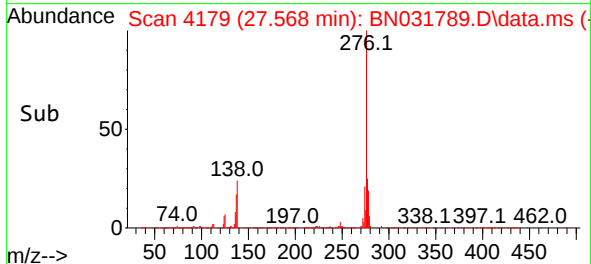
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Supervised By :mohammad ahmed 06/07/2024



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ahmed

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#95

Dibenzo(a,h)anthracene

Concen: 8.379 ng/ul

RT: 27.610 min Scan# 4186

Delta R.T. 0.006 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

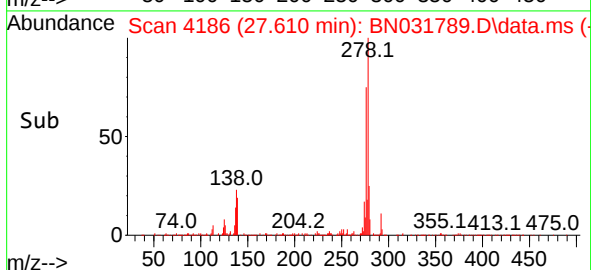
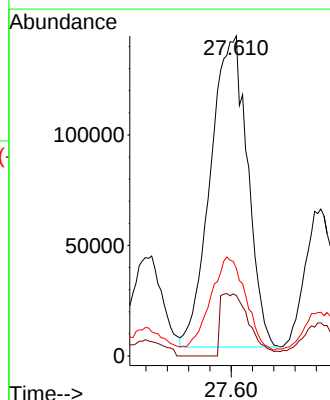
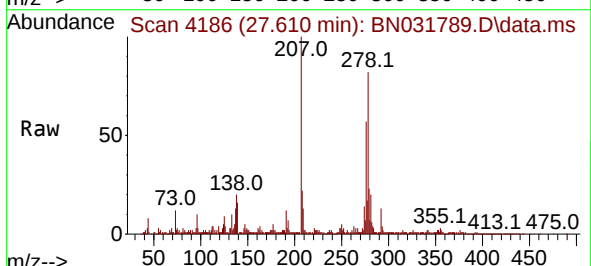
Tgt Ion:278 Resp: 678397

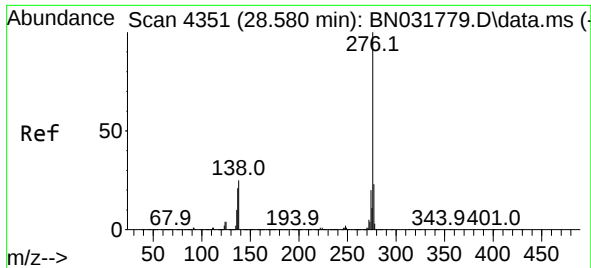
Ion Ratio Lower Upper

278 100

139 18.9 15.0 22.6

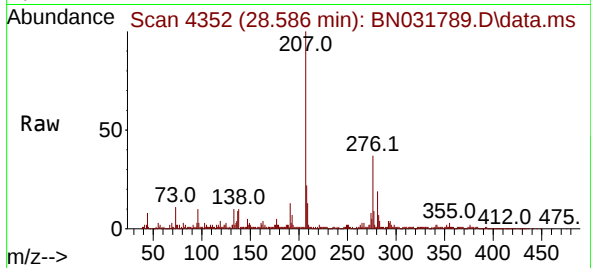
279 27.4 17.4 26.0#





#96
Benzo(g,h,i)perylene
Concen: 3.536 ng/ul m
RT: 28.586 min Scan# 41
Delta R.T. 0.018 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

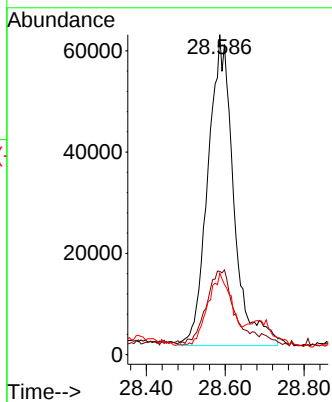
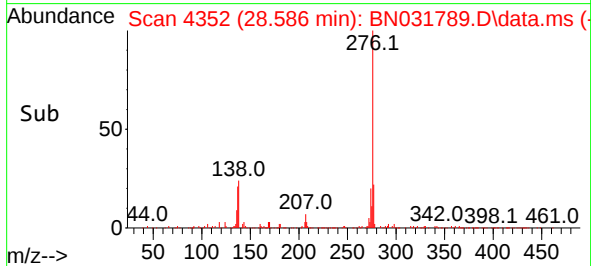
Instrument :
BNA_N
ClientSampleId :
BHBQ5



Tgt Ion: 276 Resp: 278798
Ion Ratio Lower Upper
276 100
138 26.1 20.9 31.3
277 25.5 18.0 27.0

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