

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052924\
 Data File : BN031715.D
 Acq On : 30 May 2024 09:43
 Operator : MA/JU
 Sample : P2569-22
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH6A8

Manual Integrations
 APPROVED

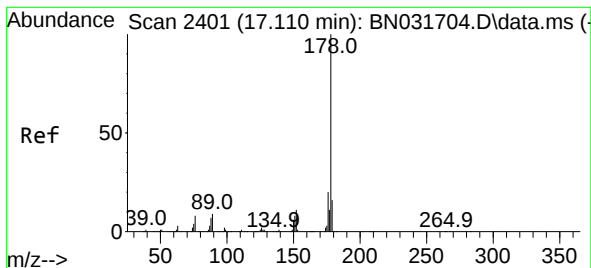
Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

Quant Time: May 30 11:12:12 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	573454	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2476004	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1466608	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2759161	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1654096	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1778088	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	43967	3.172	ng/uL	0.00
4) Pyridine-d5	3.605	84	509095	13.047	ng/u1	0.00
7) Phenol-d5	6.858	99	895891	18.224	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	516361	17.957	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	727595	19.397	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	586936	14.646	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	367399	19.407	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	376512	19.253	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	683903	18.732	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	582463	10.745	ng/u1	0.00
46) Dimethylphthalate-d6	13.745	166	2060488	20.167	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2427891	20.666	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	291888	14.268	ng/u1	0.00
60) Fluorene-d10	15.322	176	1756514	20.318	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	96849	6.983	ng/u1	0.01
73) Anthracene-d10	17.175	188	2380168	20.149	ng/u1	0.00
81) Pyrene-d10	19.474	212	2374507	26.826	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.057	264	1785443	21.029	ng/u1	0.02
Target Compounds					Qvalue	
72) Phenanthrene	17.116	178	1085381	7.722	ng/u1	97
74) Anthracene	17.210	178	193317	1.357	ng/u1	98
77) Carbazole	17.480	167	130086	1.071	ng/u1	100
80) Fluoranthene	19.139	202	1704497	16.113	ng/u1	98
82) Pyrene	19.504	202	1410131	12.993	ng/u1	97
83) Butylbenzylphthalate	20.410	149	93389	1.822	ng/u1	94
85) Benzo(a)anthracene	21.292	228	642774	5.806	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.221	149	861172	11.525	ng/u1	100
87) Chrysene	21.351	228	676541m	6.542	ng/u1	
90) Benzo(b)fluoranthene	23.327	252	936239	8.809	ng/u1	97
91) Benzo(k)fluoranthene	23.380	252	291361m	2.794	ng/u1	
93) Benzo(a)pyrene	24.115	252	609912	6.127	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	27.562	276	469519	4.093	ng/u1	96
95) Dibenzo(a,h)anthracene	27.615	278	117684m	1.257	ng/u1	
96) Benzo(g,h,i)perylene	28.598	276	427256	4.686	ng/u1	97

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



#72

Phenanthrene

Concen: 7.722 ng/ul

RT: 17.116 min Scan# 2401

Delta R.T. -0.000 min

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Instrument :

BNA_N

ClientSampleId :

BH6A8

Tgt Ion:178 Resp: 108538

Ion Ratio Lower Upper

178 100

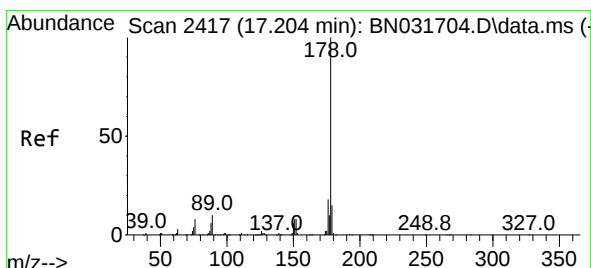
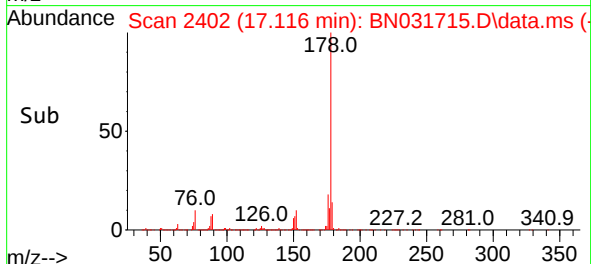
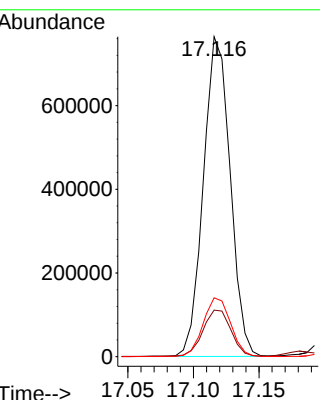
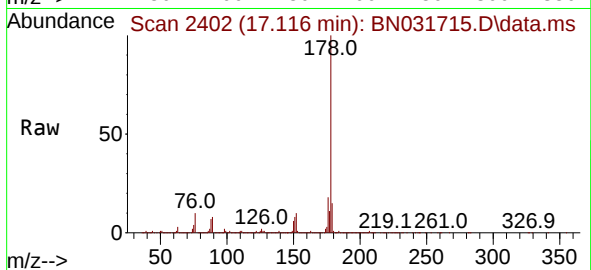
179 14.6 12.6 19.0

176 18.4 15.8 23.6

Manual Integrations

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Supervised By :mohammad ahmed 05/31/2024



#74

Anthracene

Concen: 1.357 ng/ul

RT: 17.210 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BN031715.D

Acq: 30 May 2024 09:43

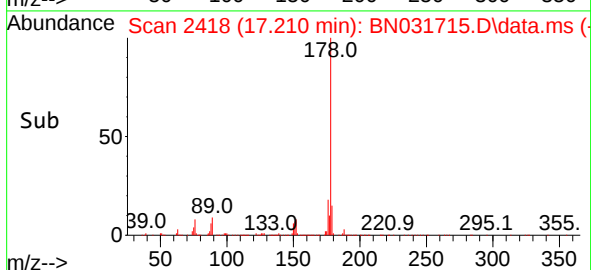
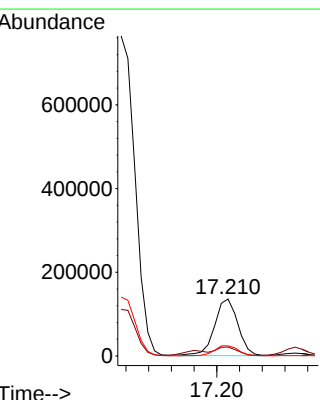
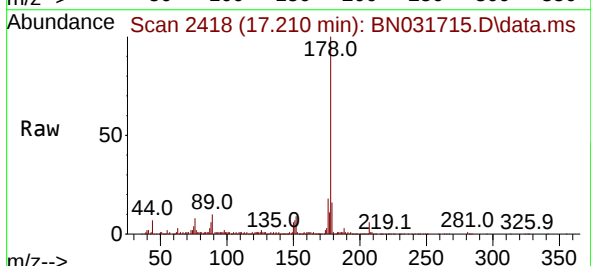
Tgt Ion:178 Resp: 193317

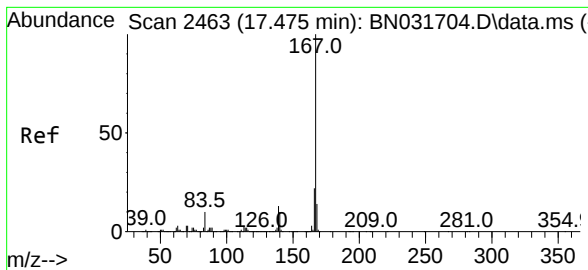
Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.6

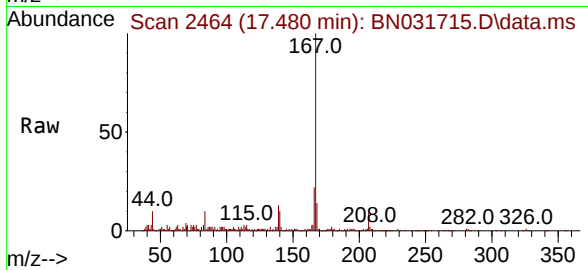
176 17.6 14.8 22.2





#77
 Carbazole
 Concen: 1.071 ng/ul
 RT: 17.480 min Scan# 2463
 Delta R.T. 0.006 min
 Lab File: BN031715.D
 Acq: 30 May 2024 09:43

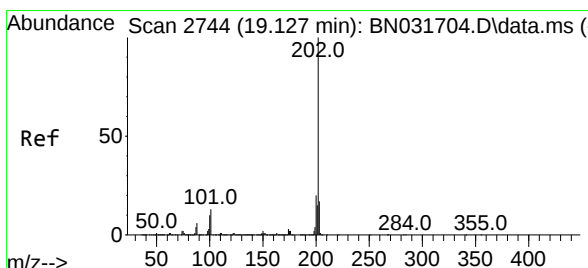
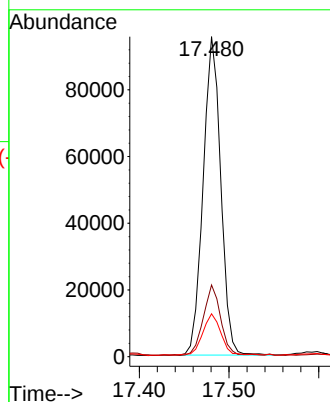
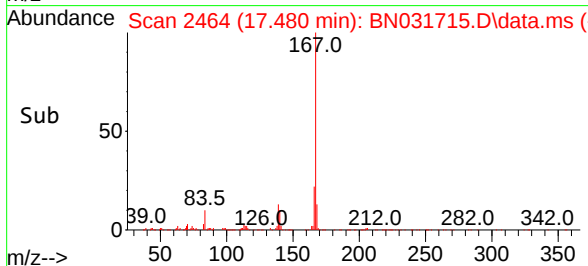
Instrument :
 BNA_N
 ClientSampleId :
 BH6A8



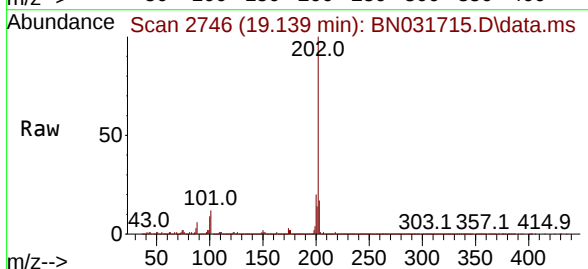
Tgt Ion:167 Resp: 130080
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.9 26.9
 139 13.4 10.5 15.7

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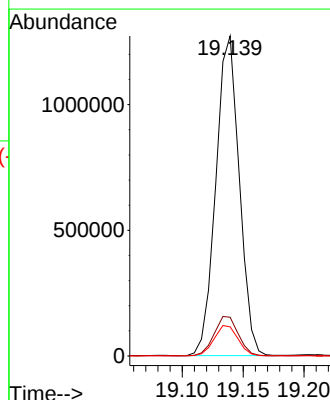
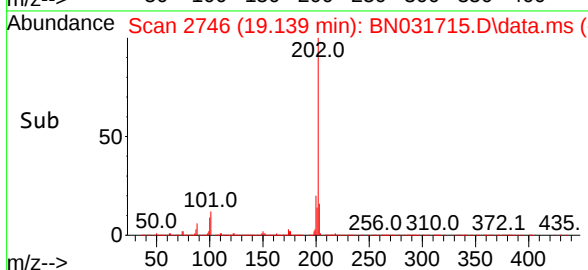
Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

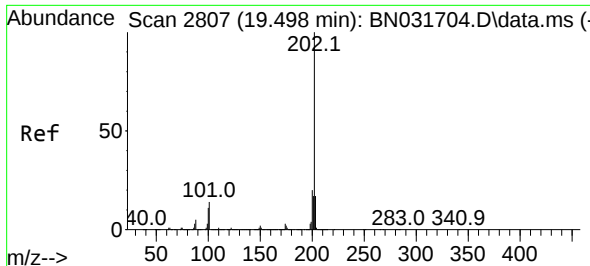


#80
 Fluoranthene
 Concen: 16.113 ng/ul
 RT: 19.139 min Scan# 2746
 Delta R.T. 0.006 min
 Lab File: BN031715.D
 Acq: 30 May 2024 09:43



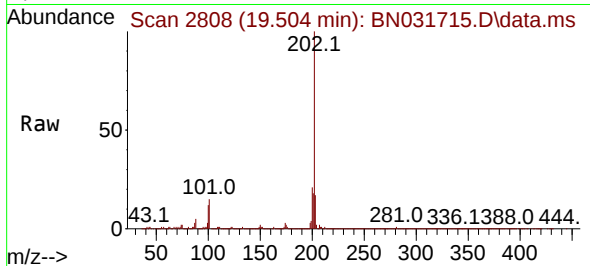
Tgt Ion:202 Resp: 1704497
 Ion Ratio Lower Upper
 202 100
 101 12.1 10.3 15.5
 100 9.1 8.0 12.0





#82
Pyrene
Concen: 12.993 ng/ul
RT: 19.504 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BN031715.D
Acq: 30 May 2024 09:43

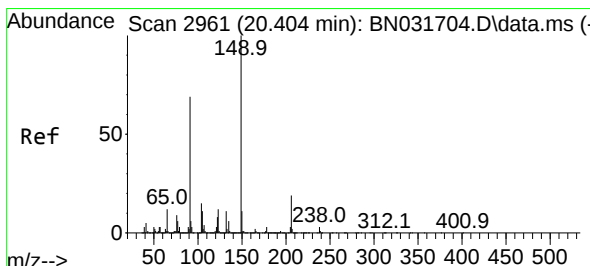
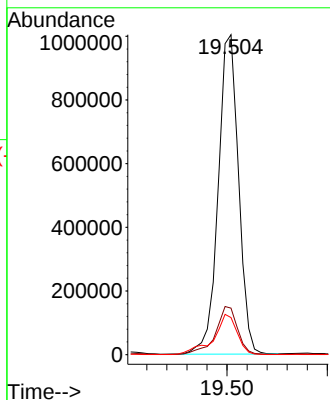
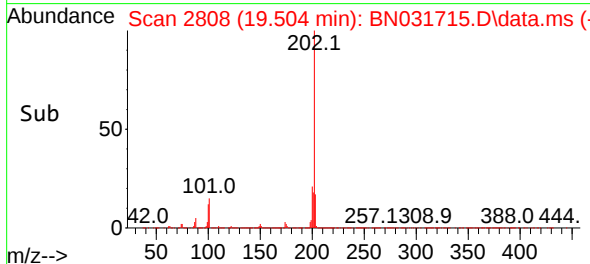
Instrument :
BNA_N
ClientSampleId :
BH6A8



Tgt Ion:202 Resp: 141013
Ion Ratio Lower Upper
202 100
101 14.5 12.6 18.8
100 11.6 10.2 15.2

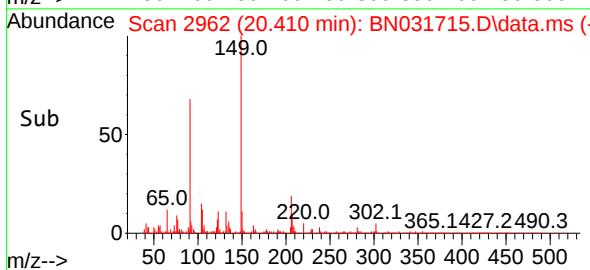
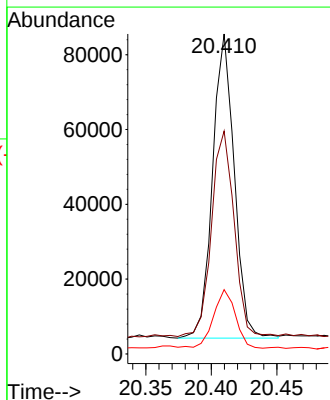
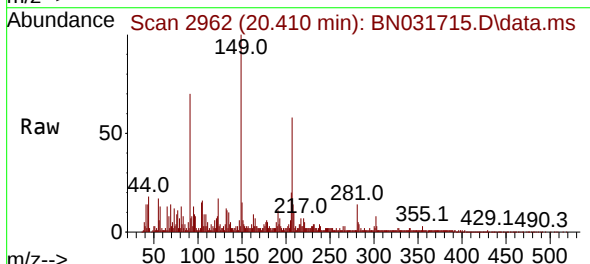
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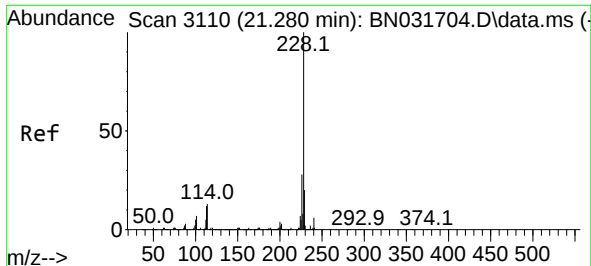
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#83
Butylbenzylphthalate
Concen: 1.822 ng/ul
RT: 20.410 min Scan# 2962
Delta R.T. 0.006 min
Lab File: BN031715.D
Acq: 30 May 2024 09:43

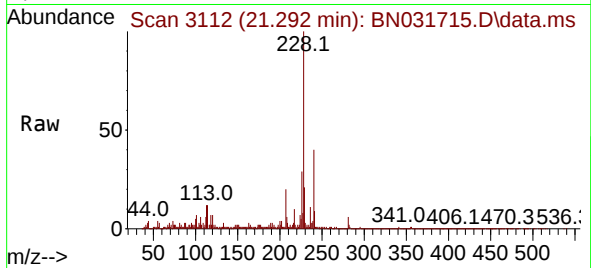
Tgt Ion:149 Resp: 93389
Ion Ratio Lower Upper
149 100
91 69.7 61.0 91.4
206 20.1 16.5 24.7





#85
Benzo(a)anthracene
Concen: 5.806 ng/ul
RT: 21.292 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BN031715.D
Acq: 30 May 2024 09:43

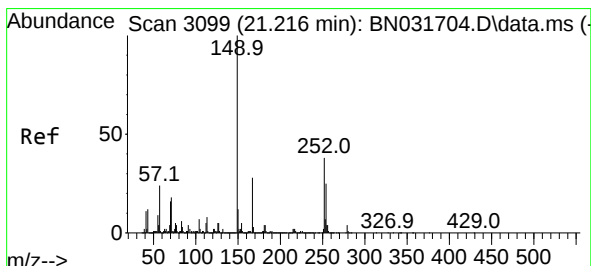
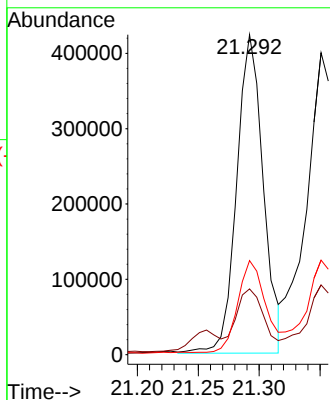
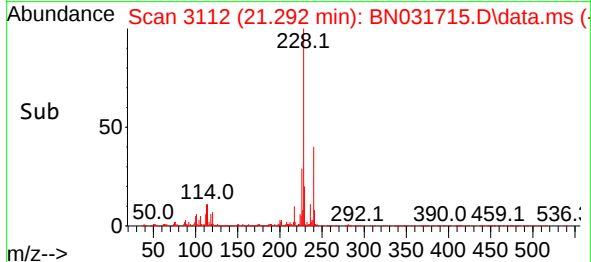
Instrument :
BNA_N
ClientSampleId :
BH6A8



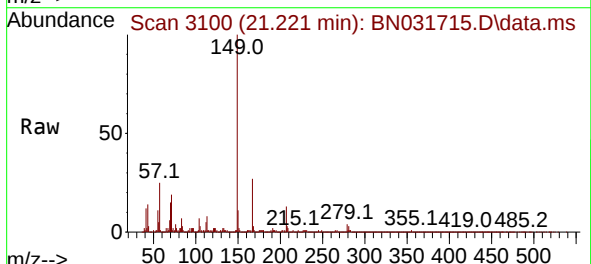
Tgt Ion:228 Resp: 642774
Ion Ratio Lower Upper
228 100
229 20.6 16.7 25.1
226 29.4 22.8 34.2

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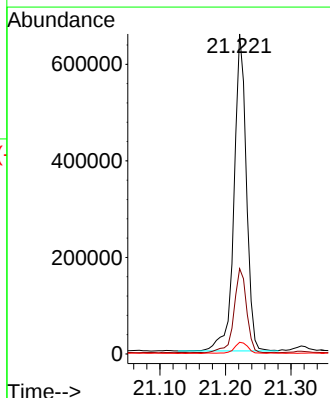
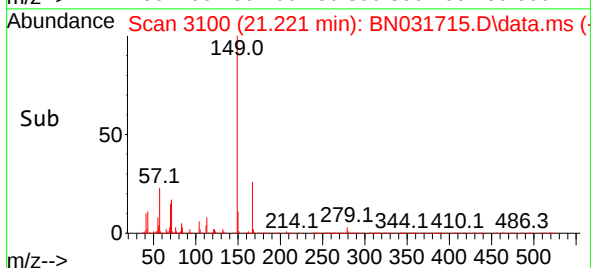
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

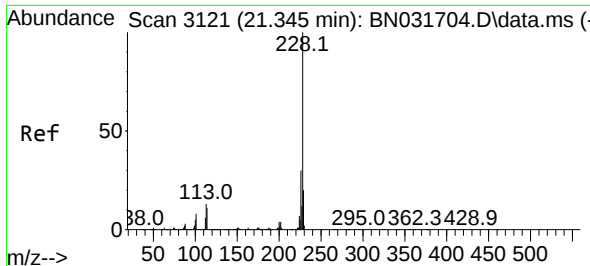


#86
Bis(2-ethylhexyl)phthalate
Concen: 11.525 ng/ul
RT: 21.221 min Scan# 3100
Delta R.T. -0.000 min
Lab File: BN031715.D
Acq: 30 May 2024 09:43



Tgt Ion:149 Resp: 861172
Ion Ratio Lower Upper
149 100
167 26.6 21.4 32.0
279 3.7 3.3 4.9





#87

Chrysene

Concen: 6.542 ng/ul m

RT: 21.351 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN031715.D

Acq: 30 May 2024 09:43

Instrument :

BNA_N

ClientSampleId :

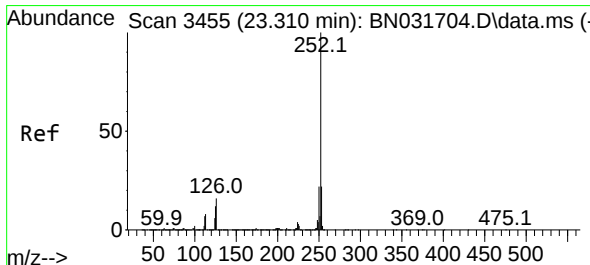
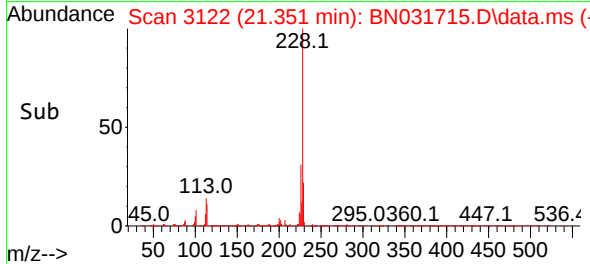
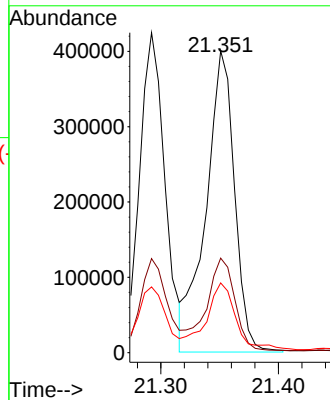
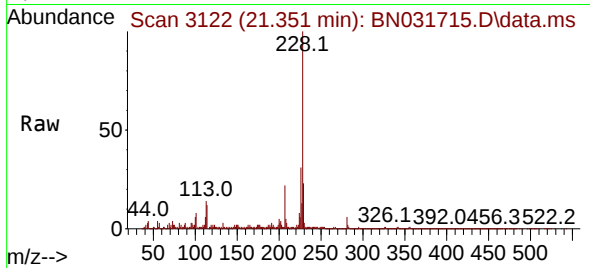
BH6A8

Tgt Ion:	228	Resp:	67654
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.7	35.5
229	23.1	15.1	22.7

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 8.809 ng/ul

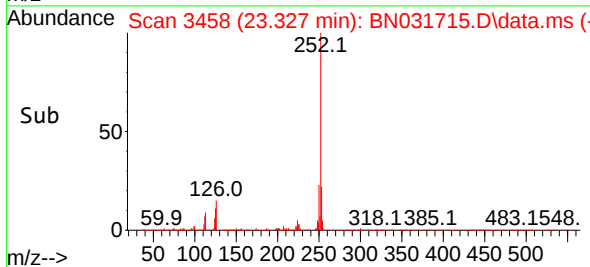
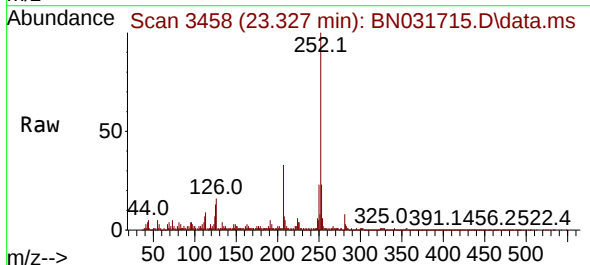
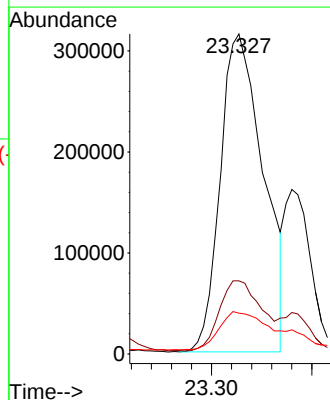
RT: 23.327 min Scan# 3458

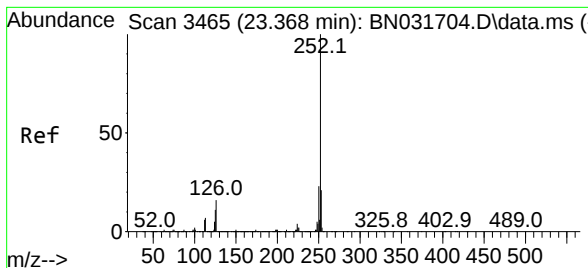
Delta R.T. 0.018 min

Lab File: BN031715.D

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Tgt Ion:	252	Resp:	936239
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	12.7	9.2	13.8





#91

Benzo(k)fluoranthene

Concen: 2.794 ng/ul m

RT: 23.380 min Scan# 3465

Delta R.T. 0.006 min

Lab File: BN031715.D

Acq: 30 May 2024 09:43

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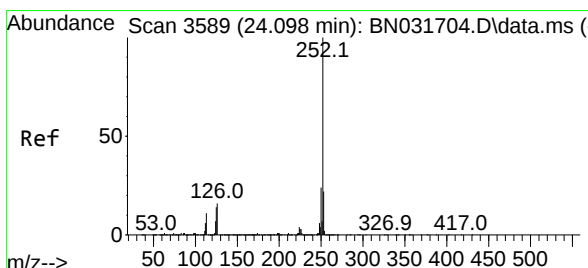
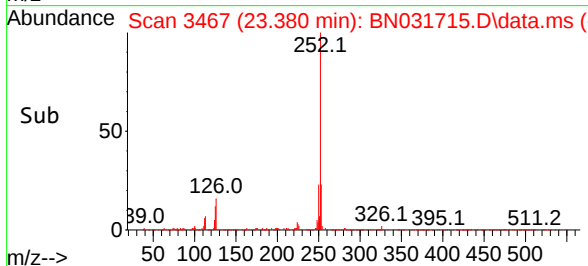
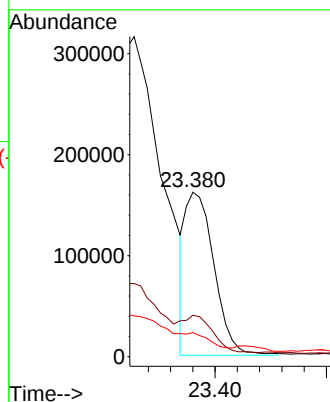
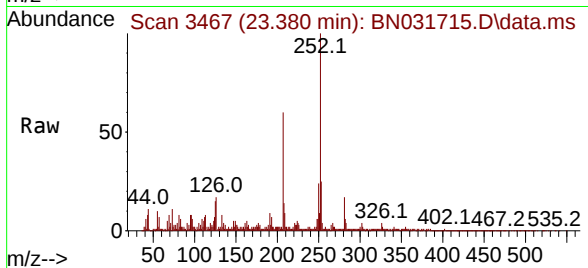
BH6A8

Tgt Ion:	252	Resp:	29136
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.6	26.4
125	14.7	9.4	14.2

Manual Integrations

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#93

Benzo(a)pyrene

Concen: 6.127 ng/ul

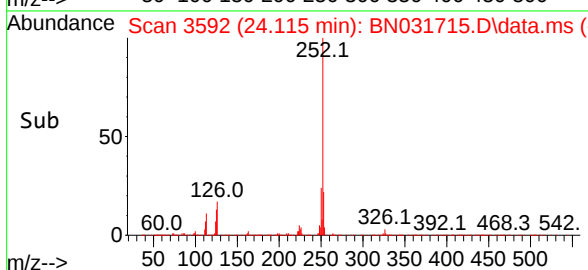
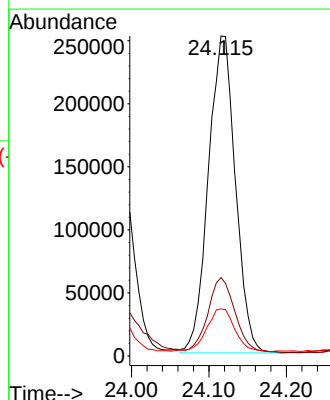
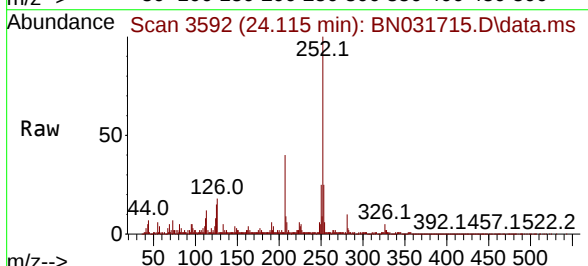
RT: 24.115 min Scan# 3592

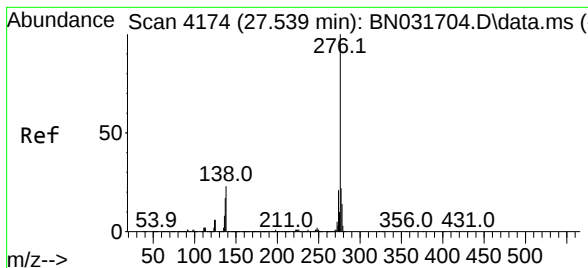
Delta R.T. 0.012 min

Lab File: BN031715.D

Acq: 30 May 2024 09:43

Tgt Ion:	252	Resp:	609912
Ion Ratio	Lower	Upper	
252	100		
253	24.5	16.6	24.8
125	14.7	9.8	14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.093 ng/ul

RT: 27.562 min Scan# 4178

Delta R.T. 0.029 min

Lab File: BN031715.D

Acq: 30 May 2024 09:43

Instrument :

BNA_N

ClientSampleId :

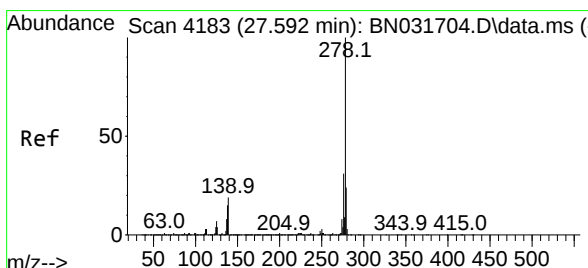
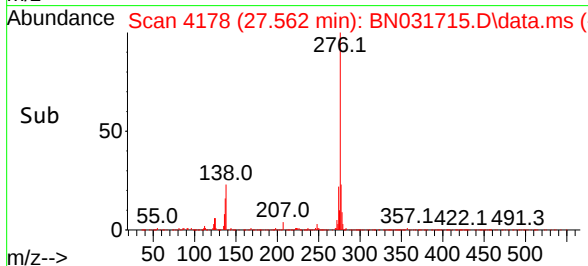
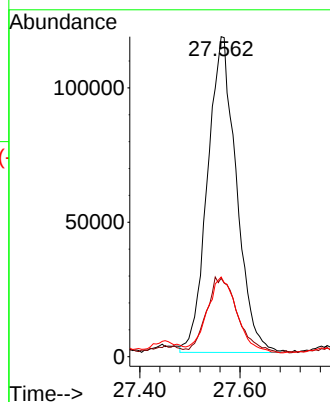
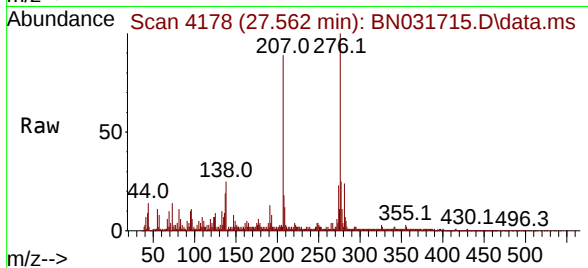
BH6A8

Tgt Ion:	276	Resp:	469519
Ion Ratio	Lower	Upper	
276	100		
138	24.5	18.1	27.1
277	24.9	18.2	27.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.257 ng/ul m

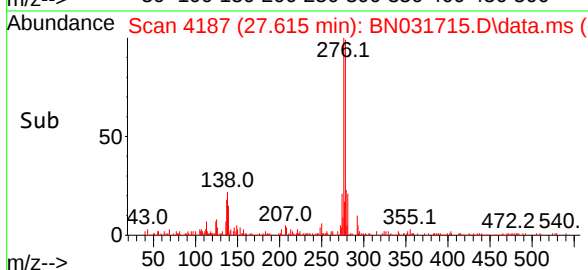
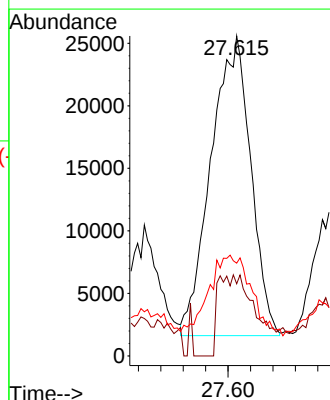
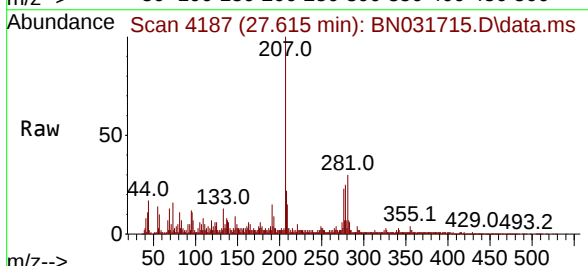
RT: 27.615 min Scan# 4187

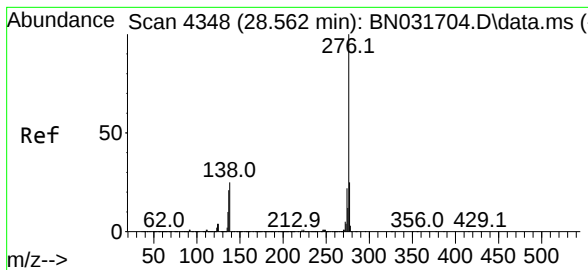
Delta R.T. 0.012 min

Lab File: BN031715.D

Acq: 30 May 2024 09:43

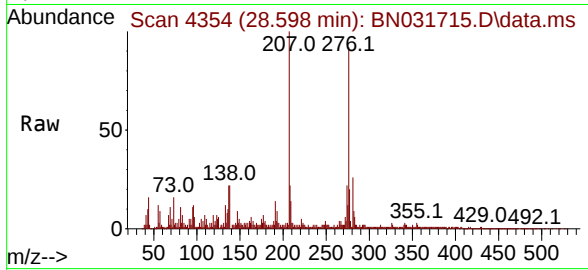
Tgt Ion:	278	Resp:	117684
Ion Ratio	Lower	Upper	
278	100		
139	22.6	15.0	22.6
279	29.0	17.4	26.0





#96
 Benzo(g,h,i)perylene
 Concen: 4.686 ng/ul
 RT: 28.598 min Scan# 41
 Delta R.T. 0.029 min
 Lab File: BN031715.D
 Acq: 30 May 2024 09:43

Instrument :
 BNA_N
 ClientSampleId :
 BH6A8



Tgt Ion:276 Resp: 427250
 Ion Ratio Lower Upper
 276 100
 138 24.3 20.9 31.3
 277 21.4 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

