

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062424\
 Data File : BN032219.D
 Acq On : 24 Jun 2024 22:56
 Operator : MA/JU
 Sample : P2775-18DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D47DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :Jagrut Upadhyay 06/25/2024

Quant Time: Jun 25 01:47:39 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	286338	20.000	ng/u1	0.00
20) Naphthalene-d8	10.405	136	1122944	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.269	164	688809	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.028	188	1438134	20.000	ng/u1	0.00
79) Chrysene-d12	21.263	240	1413233	20.000	ng/u1	0.00
88) Perylene-d12	24.174	264	1678376	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.170	96	3069	0.443	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.816	99	53141	2.165	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	29082	2.025	ng/u1	0.00
11) 2-Chlorophenol-d4	7.164	132	47337	2.527	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	41369	2.067	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	20770	2.419	ng/u1	0.00
24) 2-Nitrophenol-d4	9.505	143	19958	2.250	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	35899	2.168	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	35858	1.459	ng/u1	0.00
46) Dimethylphthalate-d6	13.687	166	134865	2.810	ng/u1	-0.01
49) Acenaphthylene-d8	13.963	160	143664	2.604	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.522	143	15508	1.614	ng/u1	0.02
60) Fluorene-d10	15.269	176	121885	3.002	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.122	188	189532	3.078	ng/u1	0.00
81) Pyrene-d10	19.428	212	199411	2.637	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.968	264	148838	1.857	ng/u1	-0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.457	128	90715	1.561	ng/u1	99
36) 2-Methylnaphthalene	12.075	142	50784	1.278	ng/u1	97
37) 1-Methylnaphthalene	12.299	142	42267	1.060	ng/u1	95
52) Acenaphthene	14.334	153	245813	5.958	ng/u1	98
56) Dibenzofuran	14.675	168	227006	4.050	ng/u1	96
61) Fluorene	15.328	166	308285	6.829	ng/u1	94
72) Phenanthrene	17.069	178	3209439	43.809	ng/u1	99
74) Anthracene	17.157	178	888970	11.975	ng/u1	99
77) Carbazole	17.434	167	242101	3.825	ng/u1	100
80) Fluoranthene	19.092	202	3219646	35.624	ng/u1	97
82) Pyrene	19.457	202	2423818	26.139	ng/u1	95
85) Benzo(a)anthracene	21.245	228	1409363	14.899	ng/u1	95
87) Chrysene	21.304	228	1224076	13.854	ng/u1	97
90) Benzo(b)fluoranthene	23.257	252	1422919	14.184	ng/u1	99
91) Benzo(k)fluoranthene	23.310	252	475335m	4.829	ng/u1	
93) Benzo(a)pyrene	24.039	252	606852	6.459	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.439	276	429418	3.966	ng/u1	98
95) Dibenzo(a,h)anthracene	27.474	278	163801m	1.853	ng/u1	

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

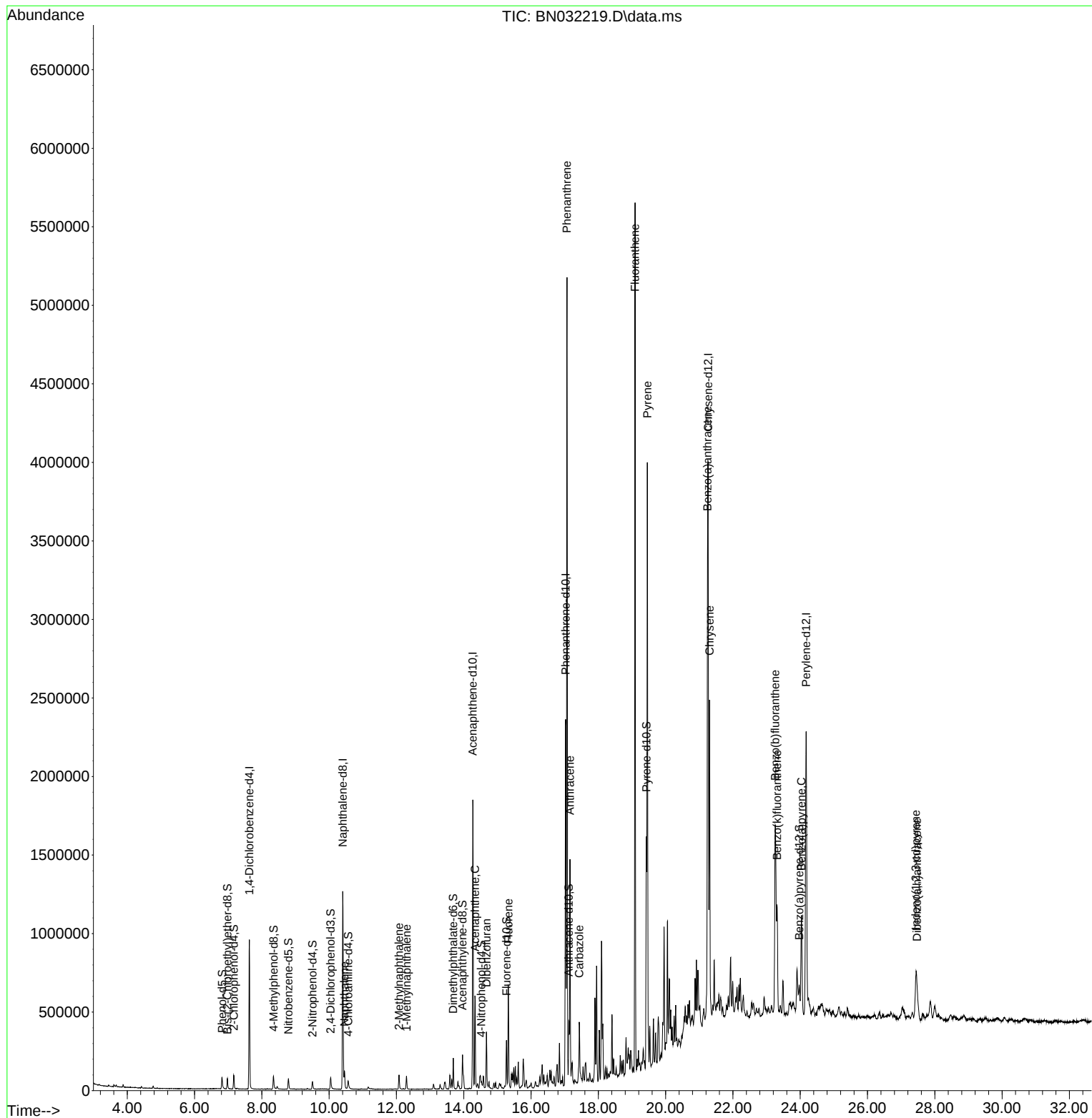
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062424\
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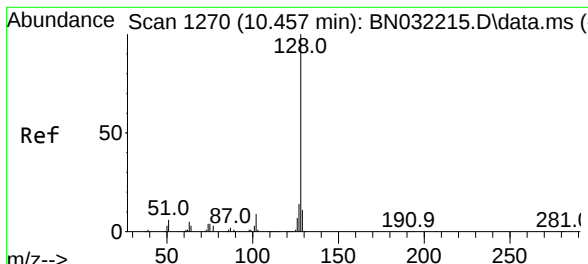
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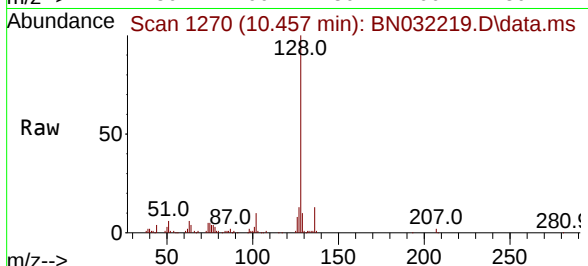
Quant Time: Jun 25 01:47:39 2024
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#30
Naphthalene
Concen: 1.561 ng/ul
RT: 10.457 min Scan# 1270
Delta R.T. -0.011 min
Lab File: BN032219.D
Acq: 24 Jun 2024 22:56

Instrument : BNA_N
ClientSampleId : A4D47DL

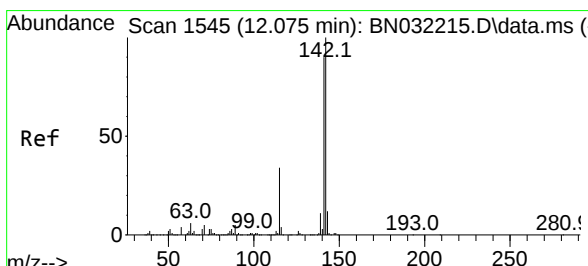
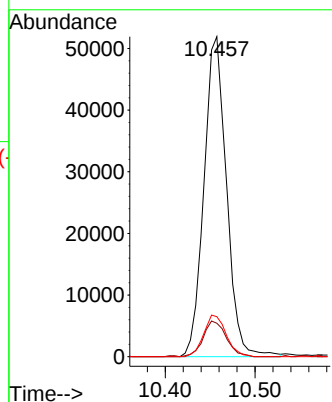
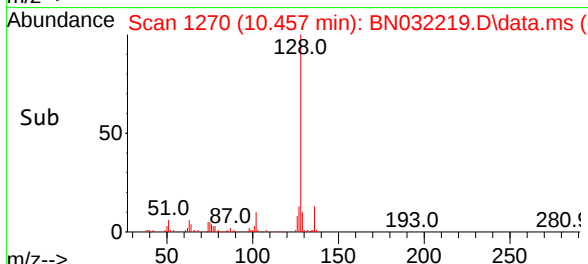


Tgt Ion:128 Resp: 90715

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.5	12.7
127	12.5	10.3	15.5

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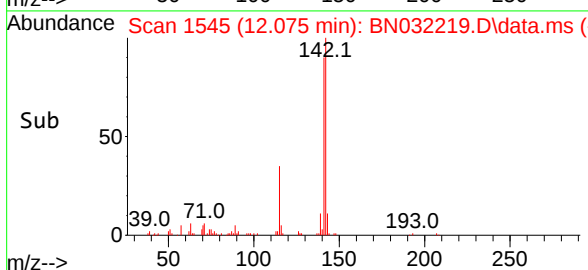
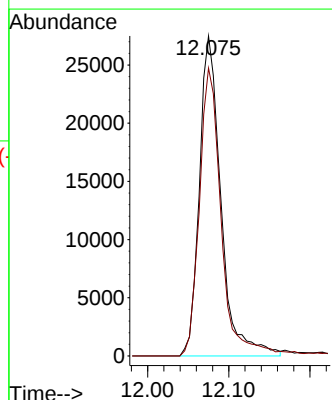
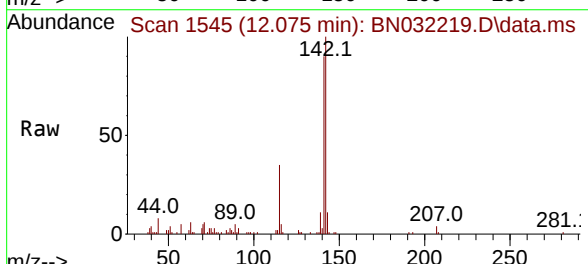
Reviewed By :Yogesh Patel 06/25/2024
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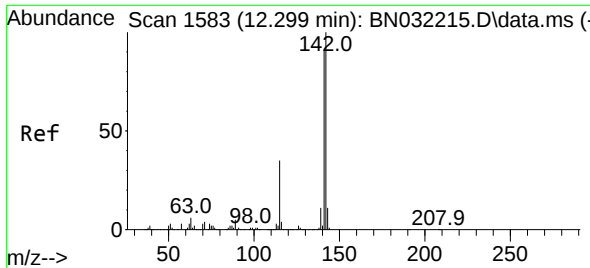


#36
2-Methylnaphthalene
Concen: 1.278 ng/ul
RT: 12.075 min Scan# 1545
Delta R.T. -0.011 min
Lab File: BN032219.D
Acq: 24 Jun 2024 22:56

Tgt Ion:142 Resp: 50784

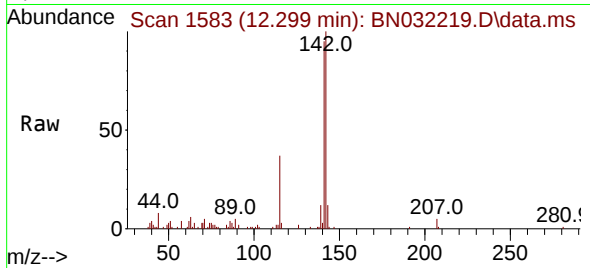
Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.1	105.1





#37
1-Methylnaphthalene
Concen: 1.060 ng/ul
RT: 12.299 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN032219.D
Acq: 24 Jun 2024 22:56

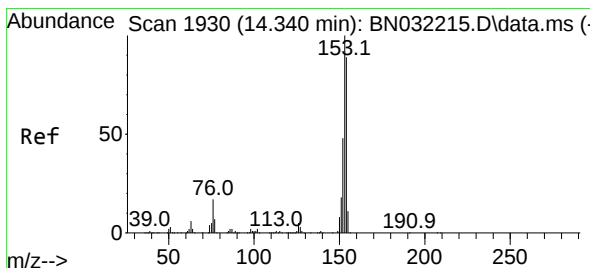
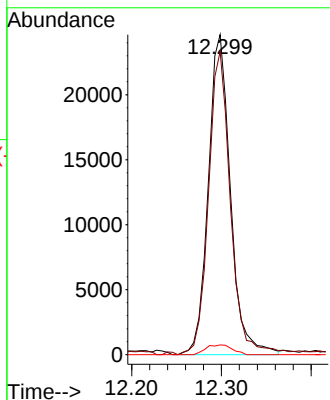
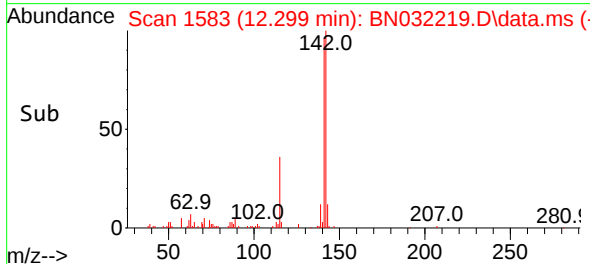
Instrument :
BNA_N
ClientSampleId :
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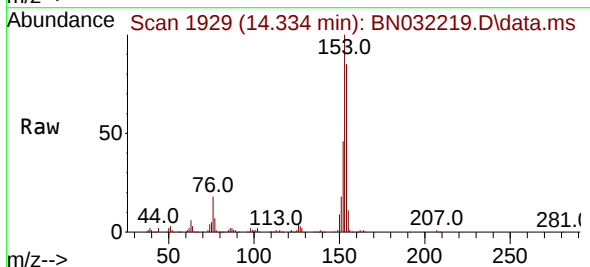
Tgt Ion:142 Resp: 4226
Ion Ratio Lower Upper
142 100
141 94.7 71.7 107.5
116 3.0 3.0 4.4

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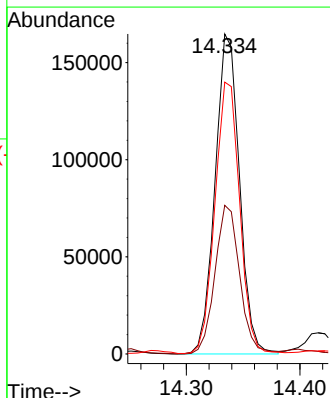
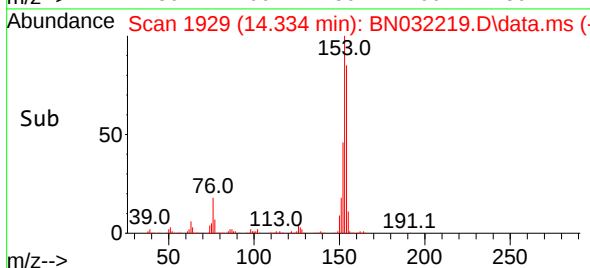
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :Jagrut Upadhyay 06/25/2024

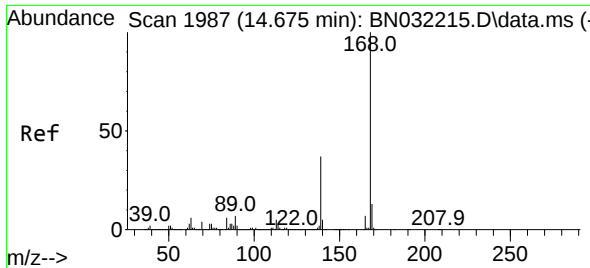


#52
Acenaphthene
Concen: 5.958 ng/ul
RT: 14.334 min Scan# 1929
Delta R.T. -0.011 min
Lab File: BN032219.D
Acq: 24 Jun 2024 22:56



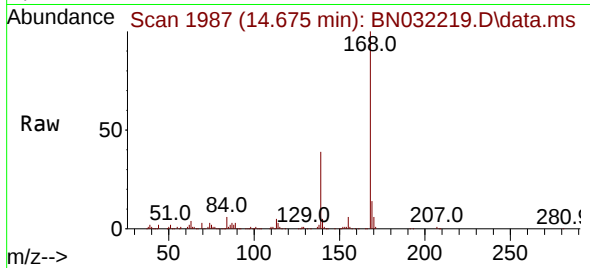
Tgt Ion:153 Resp: 245813
Ion Ratio Lower Upper
153 100
152 46.5 37.8 56.6
154 85.0 69.8 104.8





#56
Dibenzenofuran
Concen: 4.050 ng/ul
RT: 14.675 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BN032219.D
Acq: 24 Jun 2024 22:56

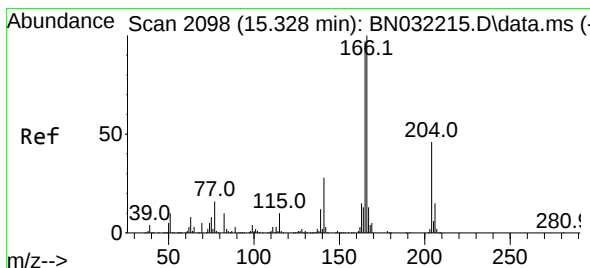
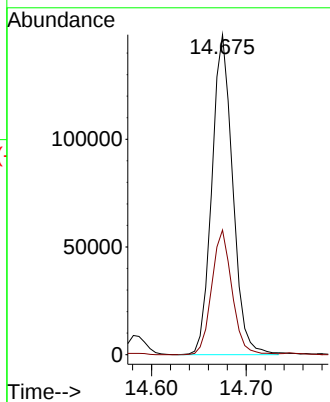
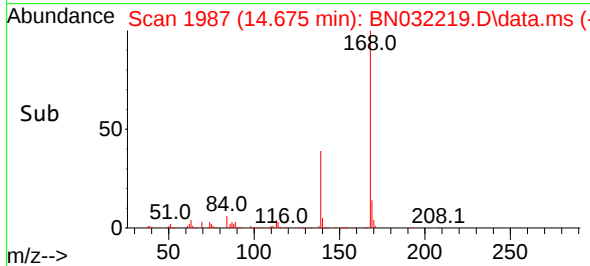
Instrument :
BNA_N
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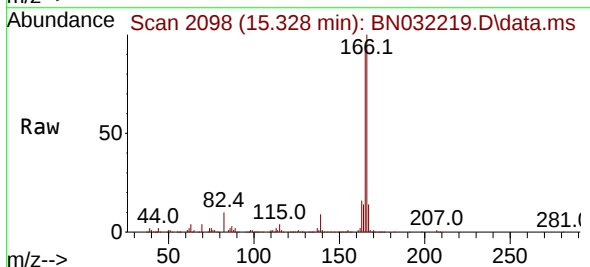
Tgt Ion:168 Resp: 227000
Ion Ratio Lower Upper
168 100
139 38.9 29.4 44.0

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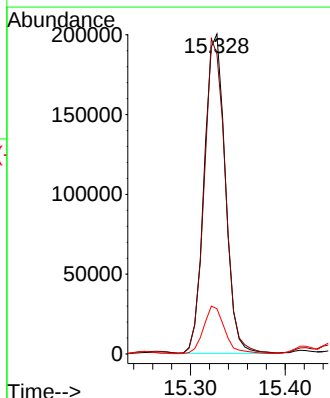
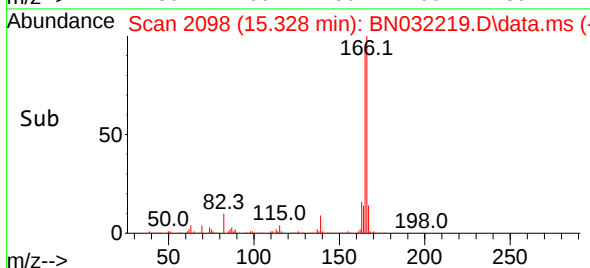
Reviewed By :Yogesh Patel 06/25/2024
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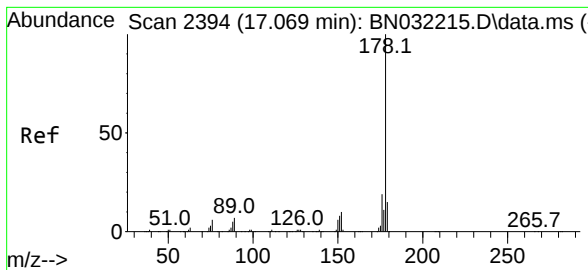


#61
Fluorene
Concen: 6.829 ng/ul
RT: 15.328 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BN032219.D
Acq: 24 Jun 2024 22:56



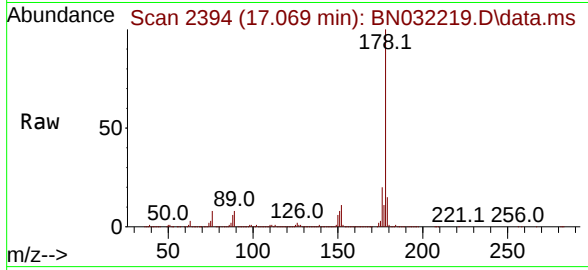
Tgt Ion:166 Resp: 308285
Ion Ratio Lower Upper
166 100
165 93.7 80.3 120.5
167 14.2 11.3 16.9





#72
Phenanthrene
Concen: 43.809 ng/u1
RT: 17.069 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN032219.D
Acq: 24 Jun 2024 22:56

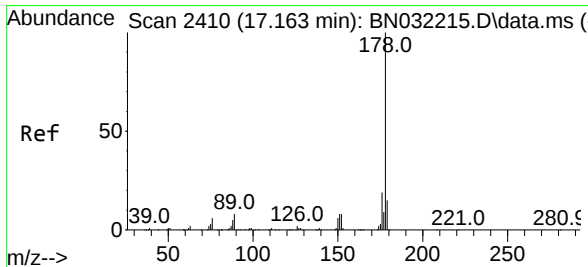
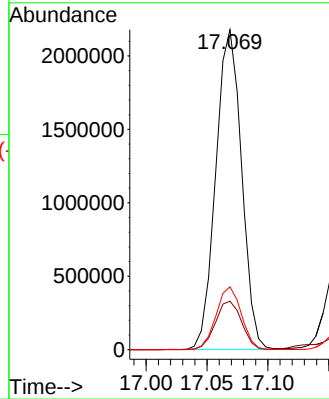
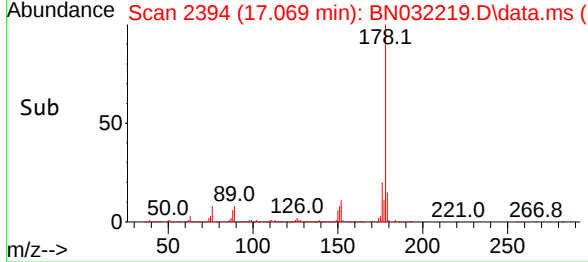
Instrument :
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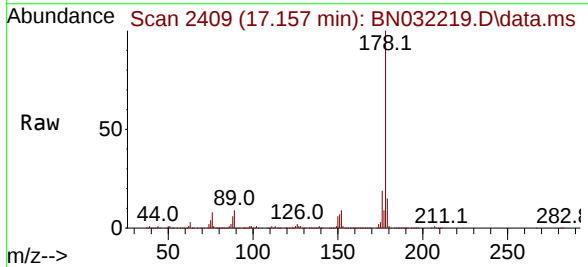
Tgt Ion:178 Resp: 3209439
Ion Ratio Lower Upper
178 100
179 15.1 12.6 19.0
176 19.6 15.8 23.6

Manual Integrations
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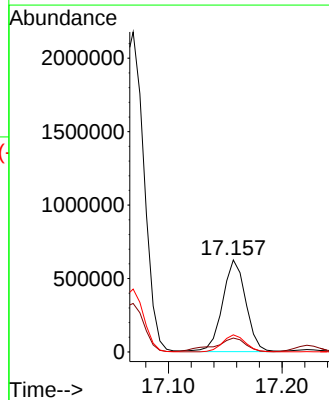
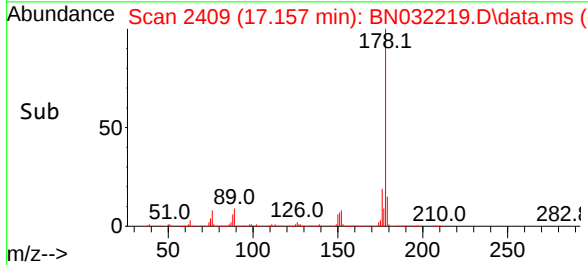
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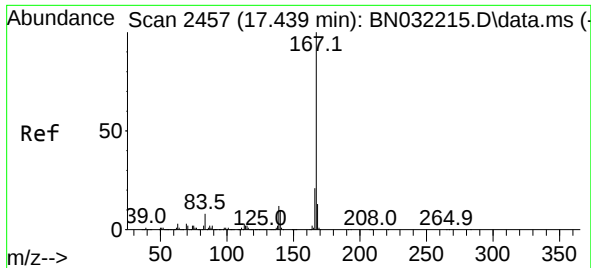


#74
Anthracene
Concen: 11.975 ng/u1
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BN032219.D
Acq: 24 Jun 2024 22:56



Tgt Ion:178 Resp: 888970
Ion Ratio Lower Upper
178 100
179 15.1 11.8 17.6
176 18.6 14.8 22.2





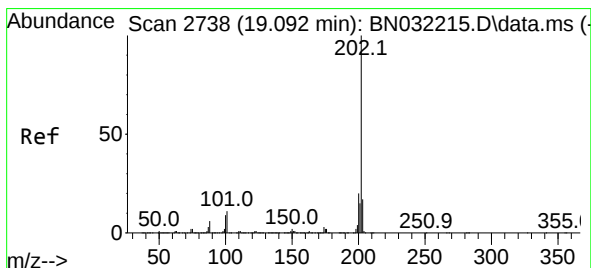
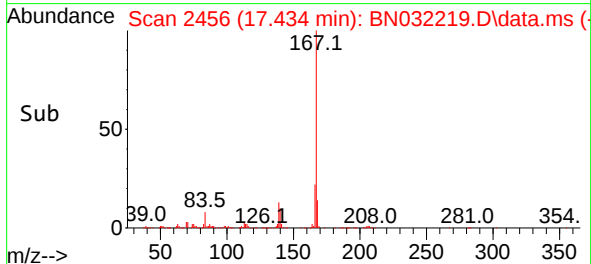
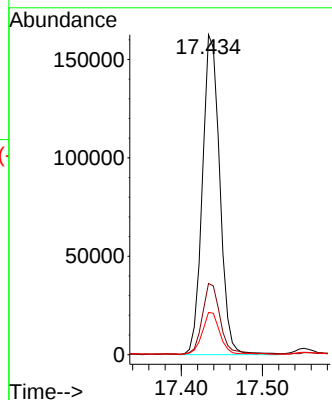
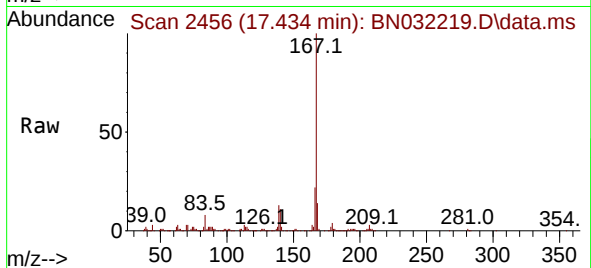
#77
 Carbazole
 Concen: 3.825 ng/ul
 RT: 17.434 min Scan# 2457
 Delta R.T. -0.006 min
 Lab File: BN032219.D
 Acq: 24 Jun 2024 22:56

Instrument :
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 ClientSampleId :
 A4D47DL

Tgt Ion:167 Resp: 24210
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.9 26.9
 139 13.2 10.5 15.7

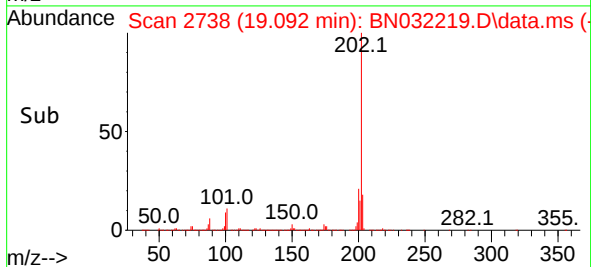
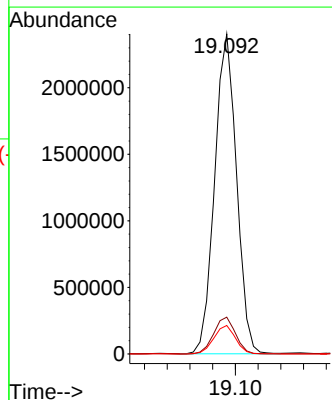
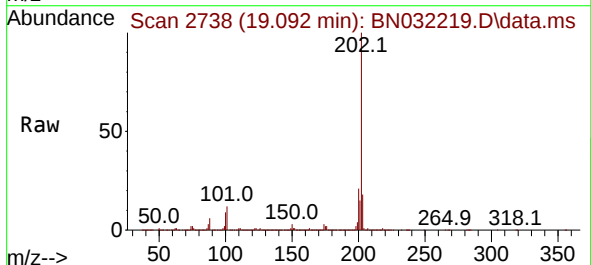
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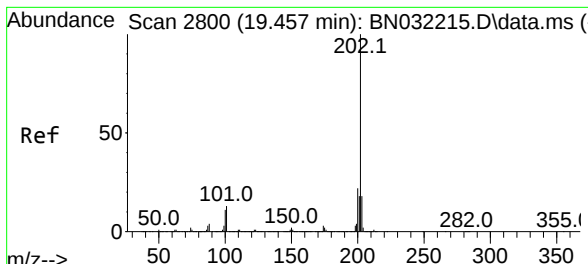
Reviewed By :Yogesh Patel 06/25/2024
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#80
 Fluoranthene
 Concen: 35.624 ng/ul
 RT: 19.092 min Scan# 2738
 Delta R.T. -0.006 min
 Lab File: BN032219.D
 Acq: 24 Jun 2024 22:56

Tgt Ion:202 Resp: 3219646
 Ion Ratio Lower Upper
 202 100
 101 11.5 10.3 15.5
 100 8.9 8.0 12.0





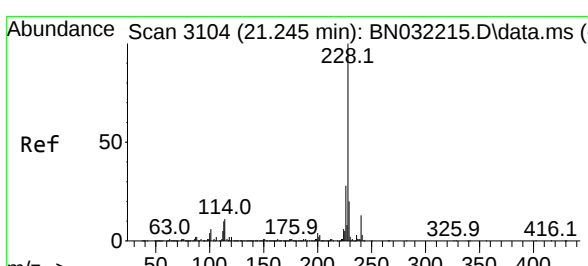
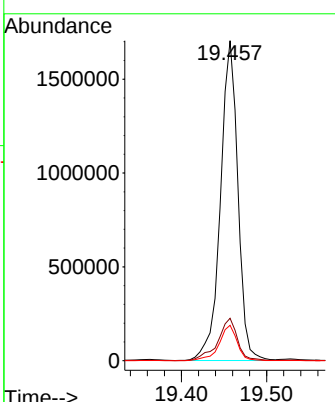
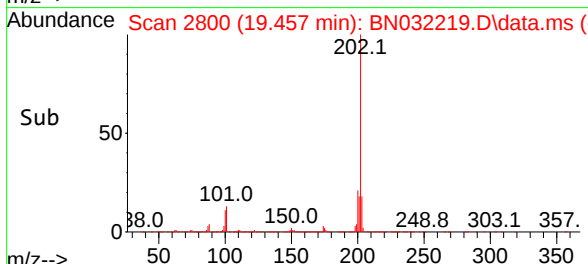
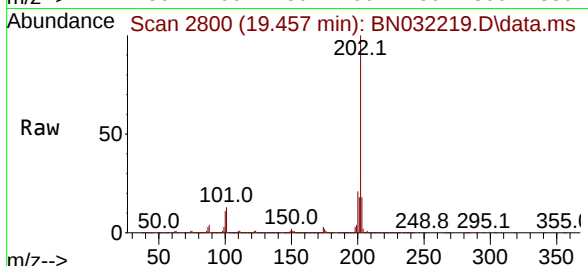
#82
 Pyrene
 Concen: 26.139 ng/ul
 RT: 19.457 min Scan# 2100
 Delta R.T. -0.006 min
 Lab File: BN032219.D
 Acq: 24 Jun 2024 22:56

Instrument : BNA_N
 ClientSampleId : A4D47DL

Tgt Ion: 202 Resp: 2423818

Ion	Ratio	Lower	Upper
202	100		
101	13.3	12.6	18.8
100	11.1	10.2	15.2

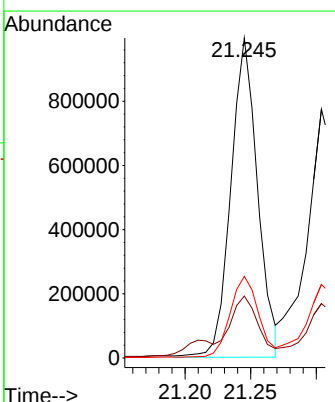
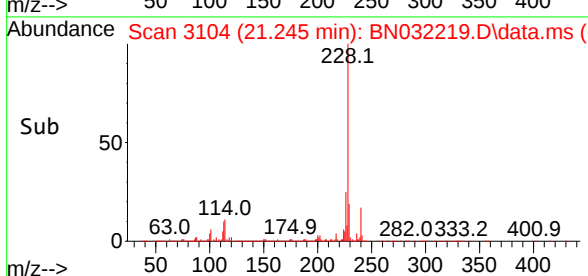
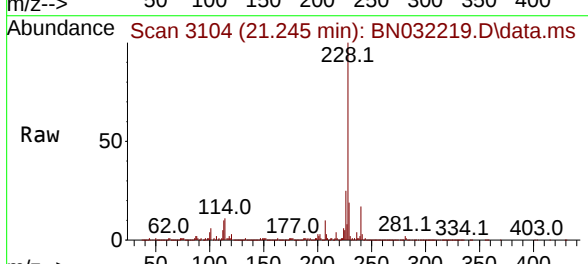
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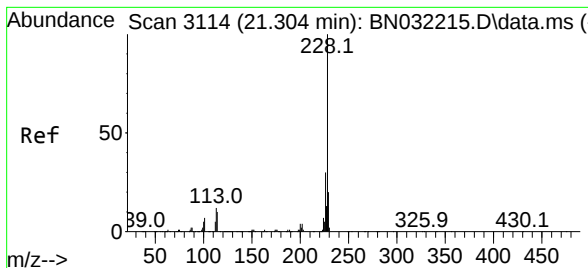


#85
 Benzo(a)anthracene
 Concen: 14.899 ng/ul
 RT: 21.245 min Scan# 3104
 Delta R.T. -0.006 min
 Lab File: BN032219.D
 Acq: 24 Jun 2024 22:56

Tgt Ion: 228 Resp: 1409363

Ion	Ratio	Lower	Upper
228	100		
229	19.4	16.7	25.1
226	25.5	22.8	34.2





#87

Chrysene

Concen: 13.854 ng/ul

RT: 21.304 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BN032219.D

Acq: 24 Jun 2024 22:56

Instrument :

BNA_N

ClientSampleId :

A4D47DL

Tgt Ion:228 Resp: 1224070

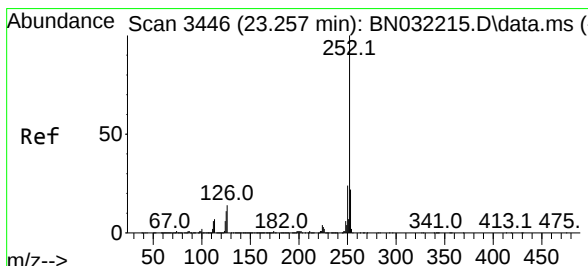
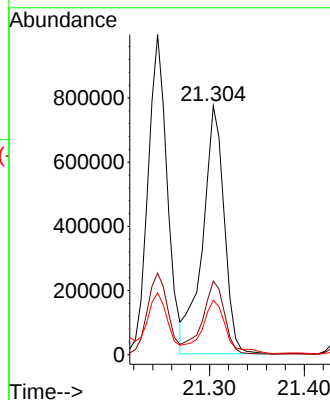
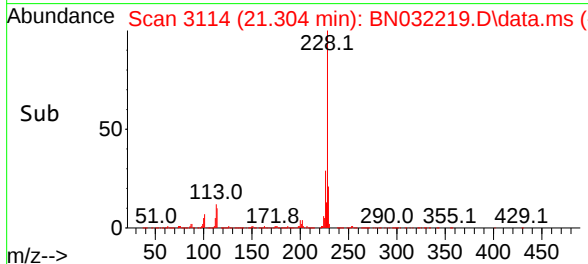
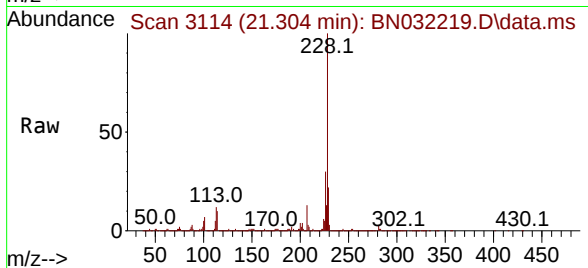
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	21.8	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :Jagrut Upadhyay 06/25/2024



#90

Benzo(b)fluoranthene

Concen: 14.184 ng/ul

RT: 23.257 min Scan# 3446

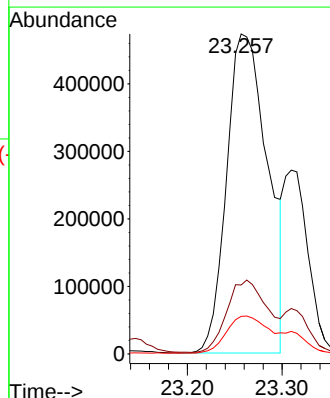
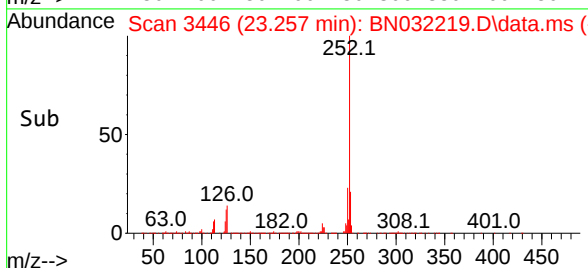
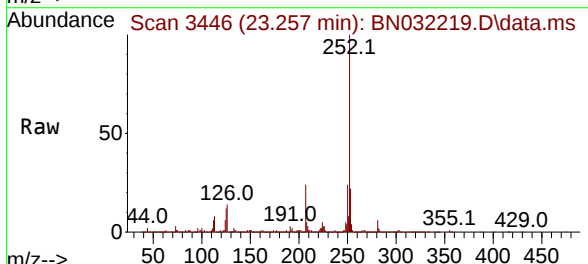
Delta R.T. -0.006 min

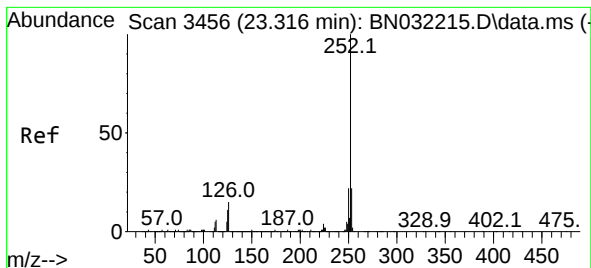
Lab File: BN032219.D

Acq: 24 Jun 2024 22:56

Tgt Ion:252 Resp: 1422919

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	11.7	9.2	13.8





#91

Benzo(k)fluoranthene

Concen: 4.829 ng/ul m

RT: 23.310 min Scan# 34

Delta R.T. -0.012 min

Lab File: BN032219.D

Acq: 24 Jun 2024 22:56

Instrument :

BNA_N

ClientSampleId :

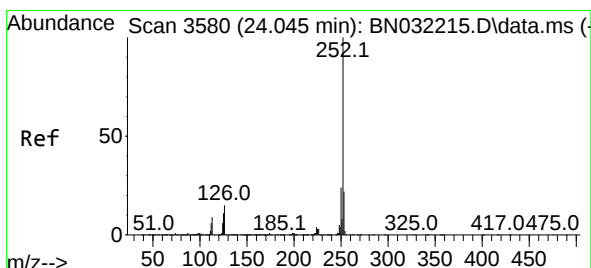
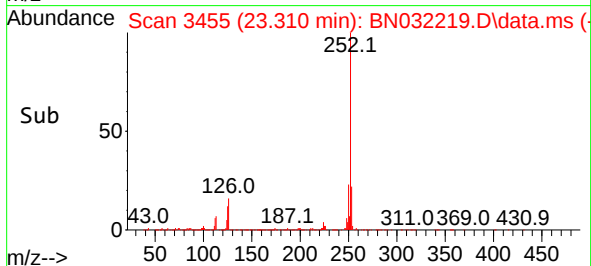
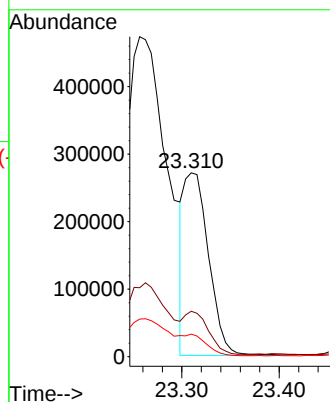
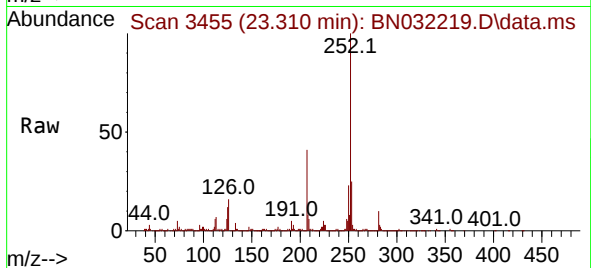
A4D47DL

Tgt Ion:252 Resp: 475335
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 12.3 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :Jagrut Upadhyay 06/25/2024



#93

Benzo(a)pyrene

Concen: 6.459 ng/ul

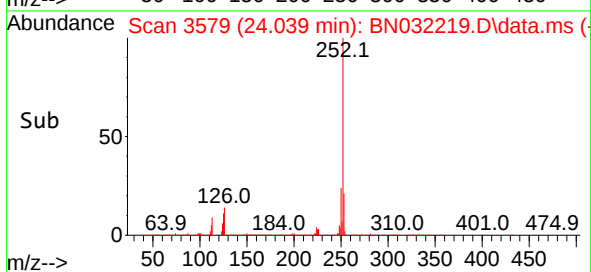
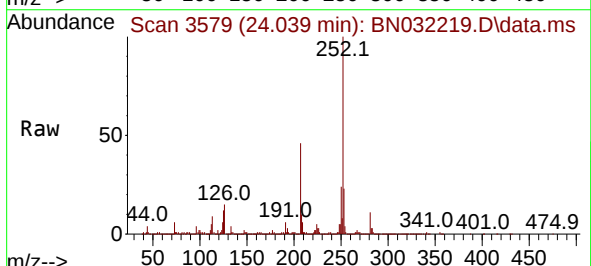
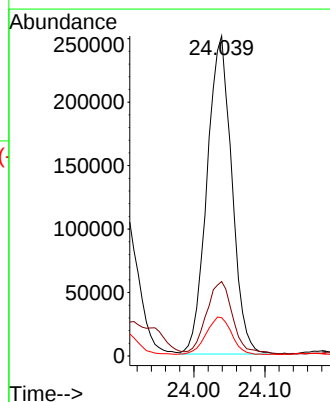
RT: 24.039 min Scan# 3579

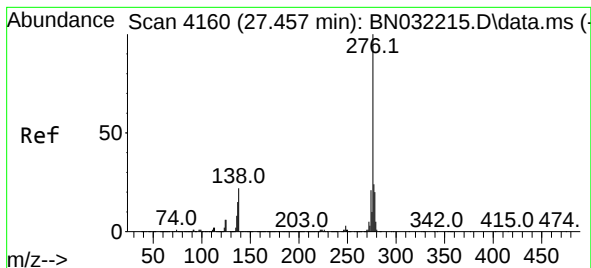
Delta R.T. 0.000 min

Lab File: BN032219.D

Acq: 24 Jun 2024 22:56

Tgt Ion:252 Resp: 606852
Ion Ratio Lower Upper
252 100
253 23.2 16.6 24.8
125 11.9 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.966 ng/ul

RT: 27.439 min Scan# 4157

Delta R.T. -0.006 min

Lab File: BN032219.D

Acq: 24 Jun 2024 22:56

Instrument :

BNA_N

ClientSampleId :

A4D47DL

Tgt Ion:276 Resp: 429418

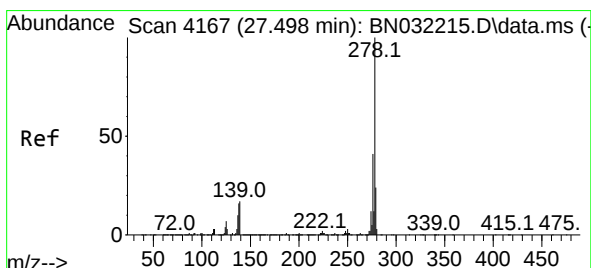
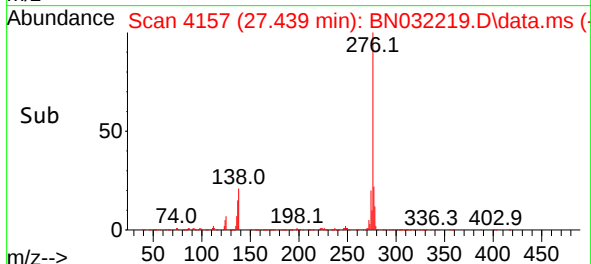
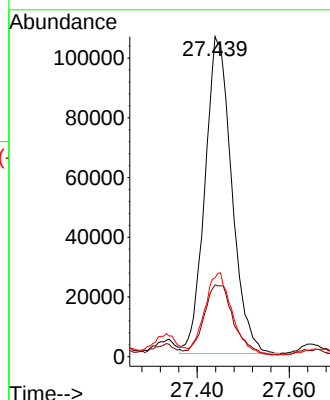
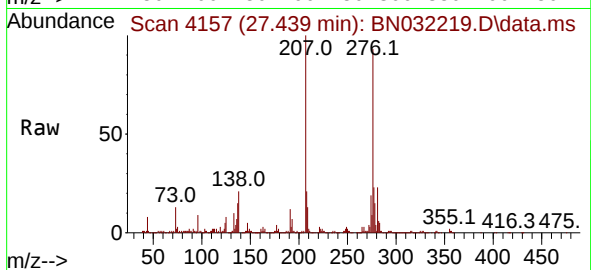
Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.1	27.1
277	24.7	18.2	27.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :Jagrut Upadhyay 06/25/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.853 ng/ul m

RT: 27.474 min Scan# 4163

Delta R.T. -0.029 min

Lab File: BN032219.D

Acq: 24 Jun 2024 22:56

Tgt Ion:278 Resp: 163801

Ion	Ratio	Lower	Upper
278	100		
139	17.5	15.0	22.6
279	27.7	17.4	26.0

