

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
 Data File : BN031750.D
 Acq On : 31 May 2024 20:14
 Operator : MA/JU
 Sample : P2549-22
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBNO

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: Jun 01 04:37:21 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	7.681	152	517701	20.000	ng/ul	0.00
20) Naphthalene-d8	10.463	136	2196715	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.322	164	1322315	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.075	188	2290652	20.000	ng/ul	0.00
79) Chrysene-d12	21.304	240	1320900	20.000	ng/ul	0.00
88) Perylene-d12	24.251	264	1550371	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	37749	3.017	ng/uL	0.00
4) Pyridine-d5	3.599	84	415080	11.783	ng/ul	0.00
7) Phenol-d5	6.852	99	856557	19.300	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	495366	19.082	ng/ul	0.00
11) 2-Chlorophenol-d4	7.216	132	689233	20.353	ng/ul	0.00
15) 4-Methylphenol-d8	8.387	113	605241	16.730	ng/ul	0.00
21) Nitrobenzene-d5	8.840	128	351460	20.925	ng/ul	0.00
24) 2-Nitrophenol-d4	9.552	143	372765	21.485	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	645047	19.915	ng/ul	0.00
31) 4-Chloroaniline-d4	10.604	131	398845	8.293	ng/ul	0.00
46) Dimethylphthalate-d6	13.740	166	1859978	20.191	ng/ul	0.00
49) Acenaphthylene-d8	14.016	160	2188792	20.664	ng/ul	0.00
54) 4-Nitrophenol-d4	14.528	143	246503	13.365	ng/ul	0.00
60) Fluorene-d10	15.322	176	1560476	20.020	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	122703	10.657	ng/ul	0.00
73) Anthracene-d10	17.169	188	2078083	21.190	ng/ul	0.00
81) Pyrene-d10	19.469	212	1875635	26.535	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.045	264	1582879	21.381	ng/ul	0.00
Target Compounds					Qvalue	
6) Benzaldehyde	6.834	77	145827	7.005	ng/ul	98
36) 2-Methylnaphthalene	12.134	142	80294	1.033	ng/ul	95
37) 1-Methylnaphthalene	12.351	142	90685	1.163	ng/ul	93
50) Acenaphthylene	14.045	152	184539	1.542	ng/ul	97
52) Acenaphthene	14.387	153	138651	1.750	ng/ul	96
61) Fluorene	15.375	166	147833	1.706	ng/ul	97
72) Phenanthrene	17.116	178	2840855	24.346	ng/ul	99
74) Anthracene	17.204	178	585288	4.950	ng/ul	99
77) Carbazole	17.475	167	268950	2.668	ng/ul	99
80) Fluoranthene	19.133	202	4432026	52.466	ng/ul	99
82) Pyrene	19.498	202	3984538	45.973	ng/ul	99
85) Benzo(a)anthracene	21.286	228	1896290	21.448	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.216	149	151774	2.543	ng/ul	99
87) Chrysene	21.351	228	1983421	24.017	ng/ul	97
90) Benzo(b)fluoranthene	23.321	252	2915086	31.457	ng/ul	99
91) Benzo(k)fluoranthene	23.374	252	678221	7.458	ng/ul	96
93) Benzo(a)pyrene	24.104	252	1897426	21.861	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.551	276	1416390m	14.162	ng/ul	
95) Dibenzo(a,h)anthracene	27.603	278	373973	4.580	ng/ul#	81
96) Benzo(g,h,i)perylene	28.592	276	1399588	17.604	ng/ul	98

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

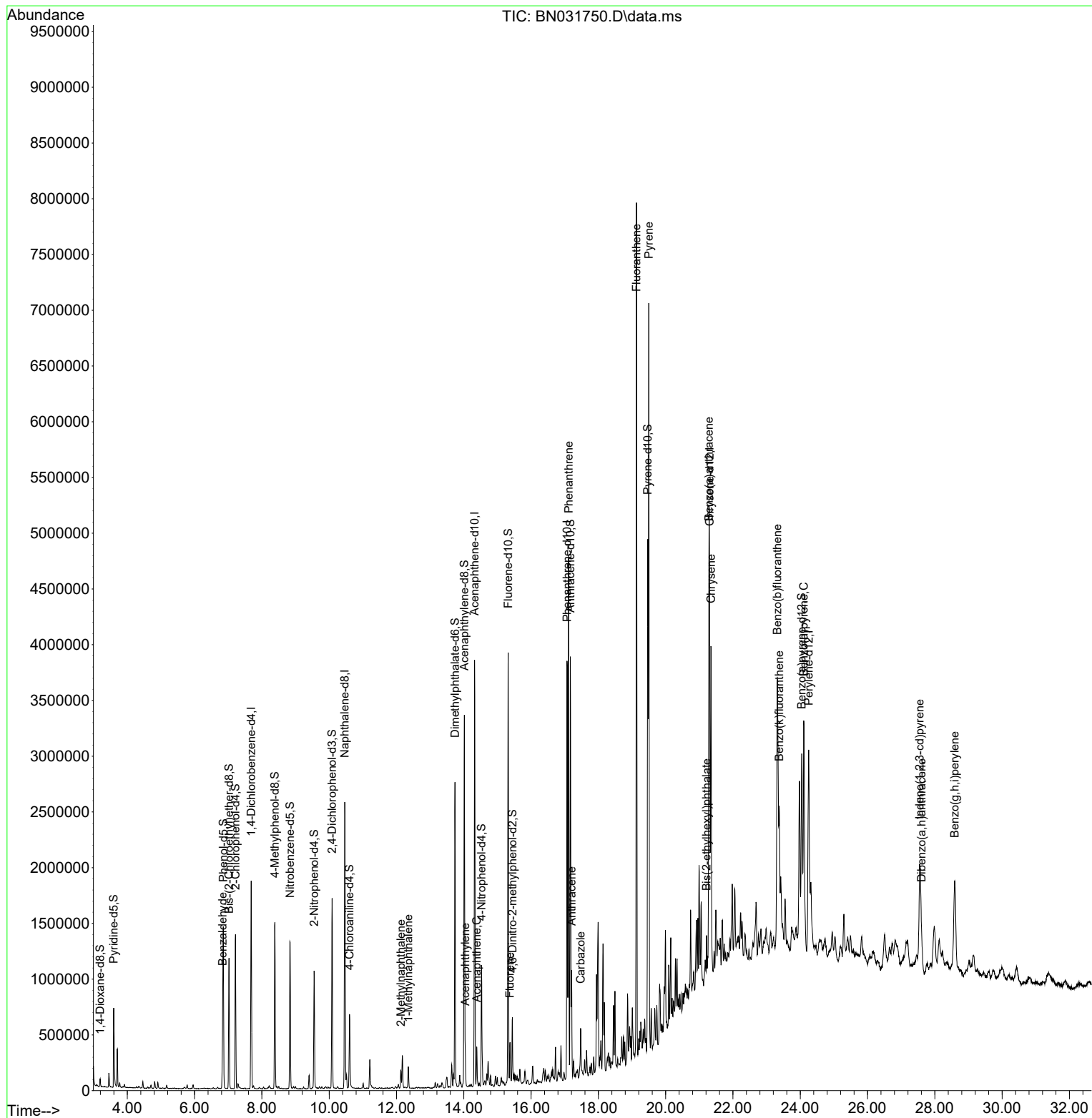
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
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 ALS Vial : 15 Sample Multiplier: 1

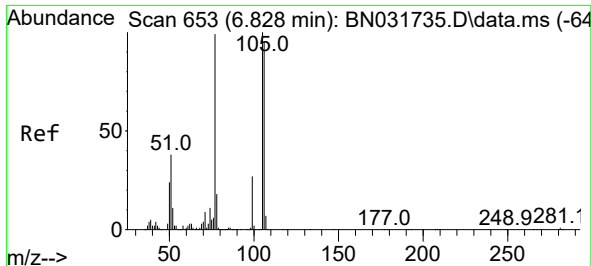
Instrument :
 BNA_N
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Quant Time: Jun 01 04:37:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
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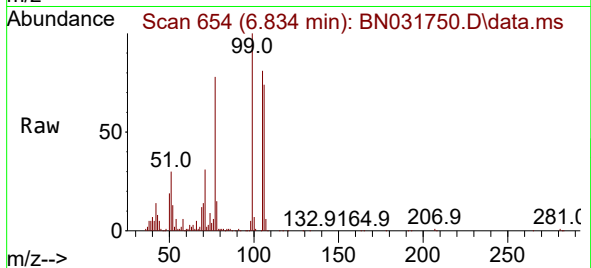
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024





#6
Benzaldehyde
Concen: 7.005 ng/ul
RT: 6.834 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN031750.D
Acq: 31 May 2024 20:14

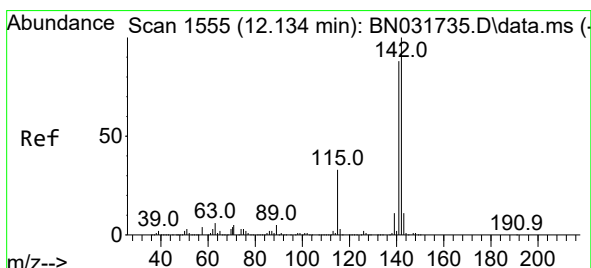
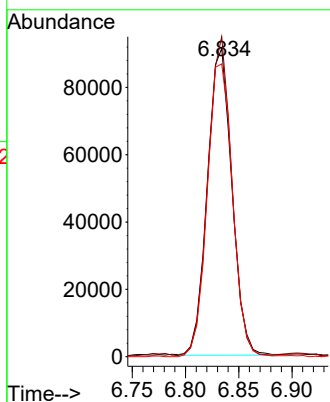
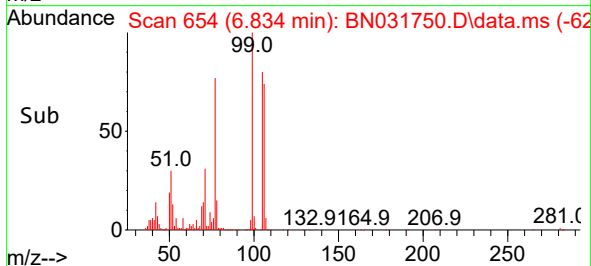
Instrument :
BNA_N
ClientSampleId :
BHBNO



Tgt Ion: 77 Resp: 14582
Ion Ratio Lower Upper
77 100
105 103.8 80.2 120.4
106 95.0 76.8 115.2

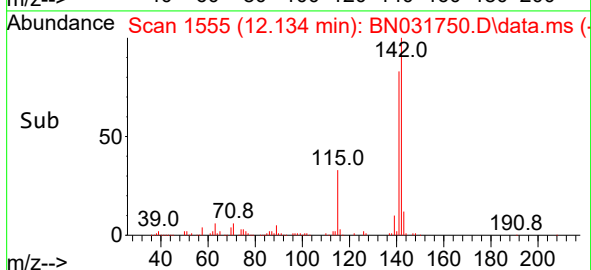
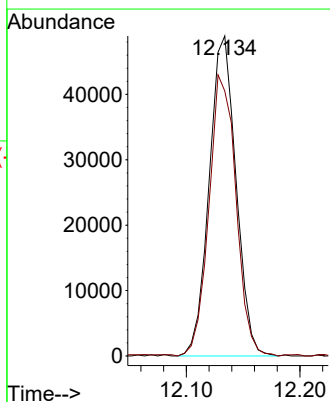
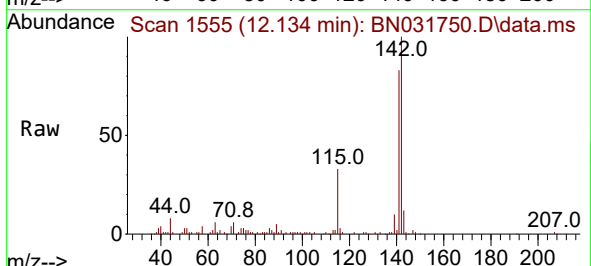
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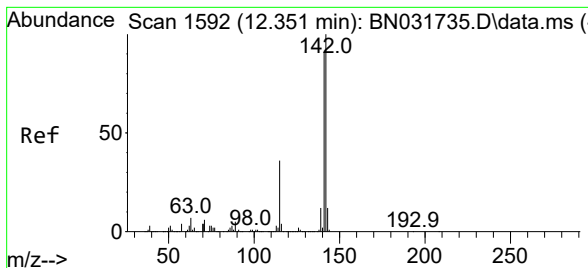
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#36
2-Methylnaphthalene
Concen: 1.033 ng/ul
RT: 12.134 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN031750.D
Acq: 31 May 2024 20:14

Tgt Ion:142 Resp: 80294
Ion Ratio Lower Upper
142 100
141 82.8 70.1 105.1





#37

1-Methylnaphthalene

Concen: 1.163 ng/ul

RT: 12.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BN031750.D

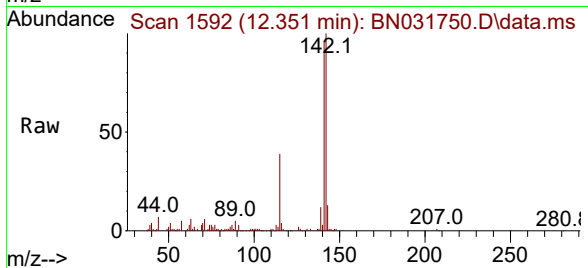
Acq: 31 May 2024 20:14

Instrument :

BNA_N

ClientSampleId :

BHBN0



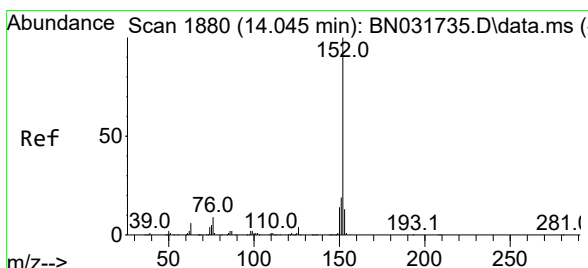
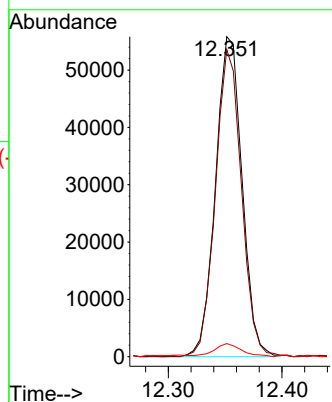
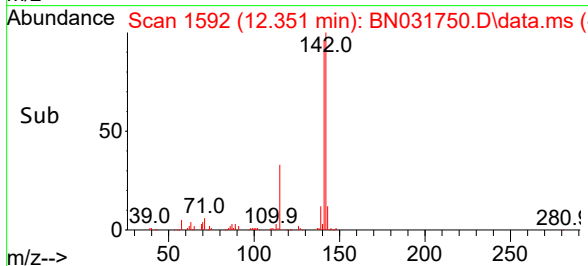
Tgt Ion:142 Resp: 9068

Ion	Ratio	Lower	Upper
142	100		
141	96.0	71.7	107.5
116	4.1	3.0	4.4

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#50

Acenaphthylene

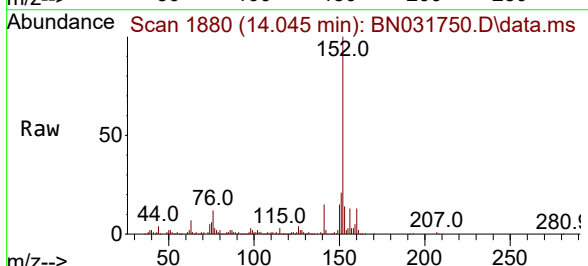
Concen: 1.542 ng/ul

RT: 14.045 min Scan# 1880

Delta R.T. -0.000 min

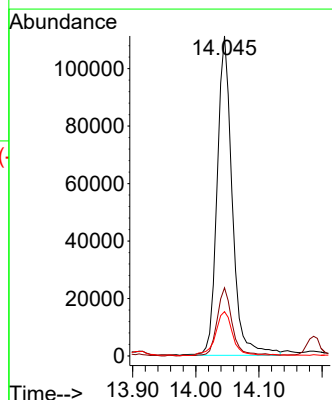
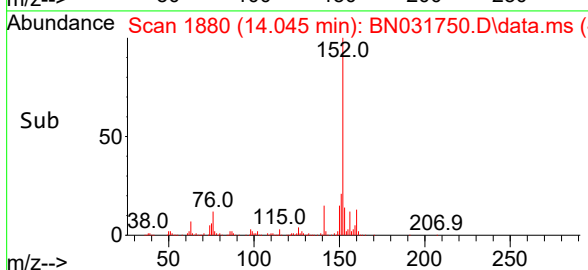
Lab File: BN031750.D

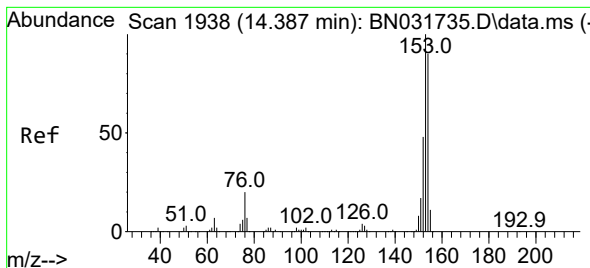
Acq: 31 May 2024 20:14



Tgt Ion:152 Resp: 184539

Ion	Ratio	Lower	Upper
152	100		
151	21.3	15.9	23.9
153	13.8	10.4	15.6





#52

Acenaphthene

Concen: 1.750 ng/ul

RT: 14.387 min Scan# 1938

Delta R.T. -0.000 min

Lab File: BN031750.D

Acq: 31 May 2024 20:14

Instrument :

BNA_N

ClientSampleId :

BHBN0

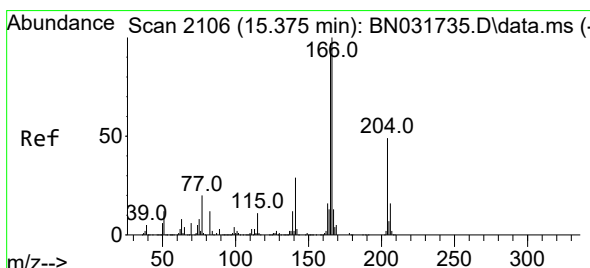
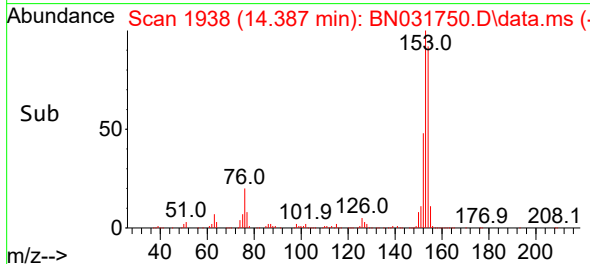
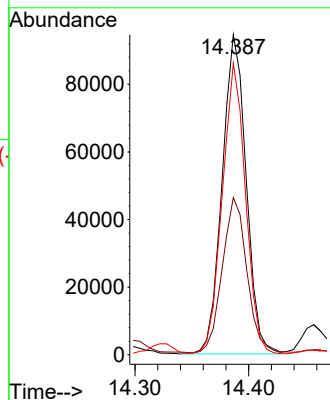
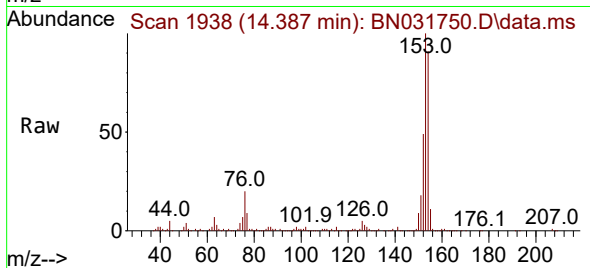
Tgt Ion:153 Resp: 13865

Ion	Ratio	Lower	Upper
153	100		
152	49.1	37.8	56.6
154	91.1	69.8	104.8

Manual Integrations

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#61

Fluorene

Concen: 1.706 ng/ul

RT: 15.375 min Scan# 2106

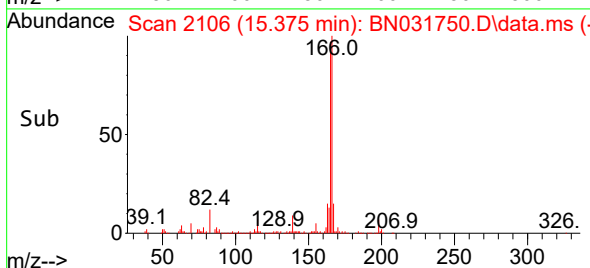
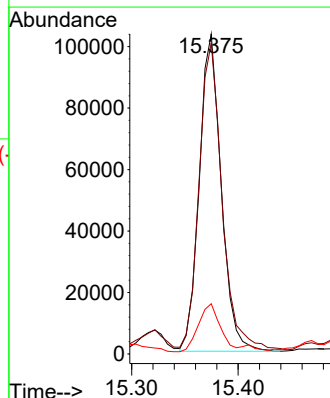
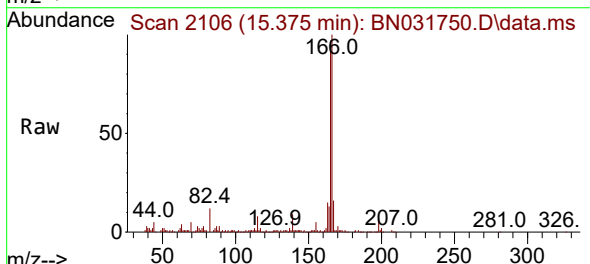
Delta R.T. -0.000 min

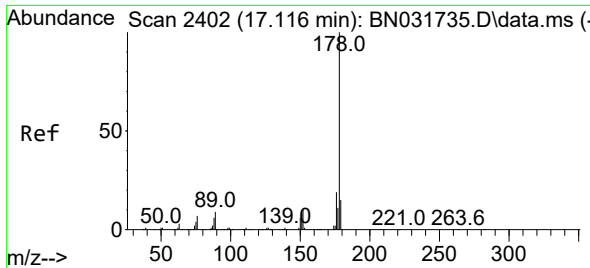
Lab File: BN031750.D

Acq: 31 May 2024 20:14

Tgt Ion:166 Resp: 147833

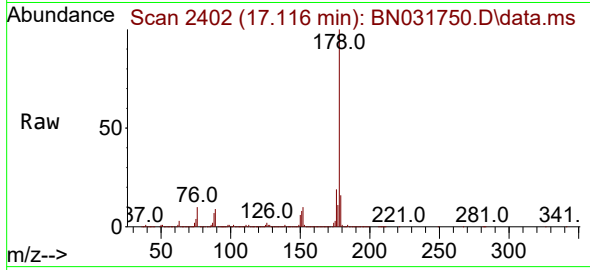
Ion	Ratio	Lower	Upper
166	100		
165	97.1	80.3	120.5
167	15.7	11.3	16.9





#72
Phenanthrene
Concen: 24.346 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BN031750.D
Acq: 31 May 2024 20:14

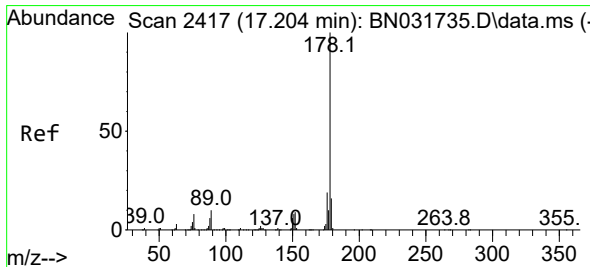
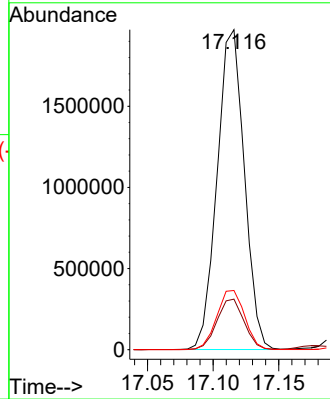
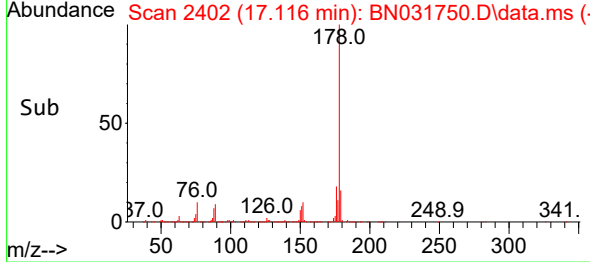
Instrument :
BNA_N
ClientSampleId :
BHBNO



Tgt Ion:178 Resp: 284085
Ion Ratio Lower Upper
178 100
179 15.8 12.6 19.0
176 18.5 15.8 23.6

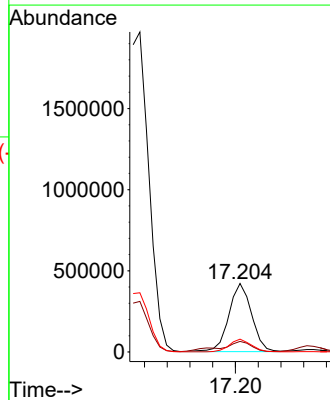
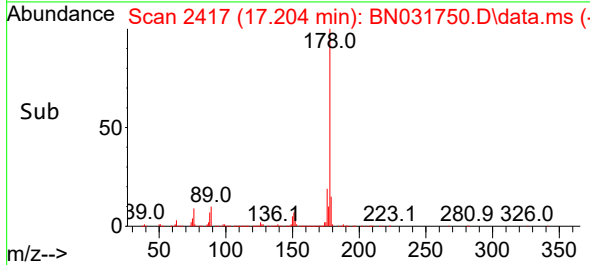
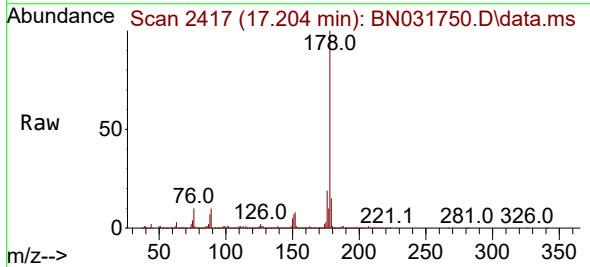
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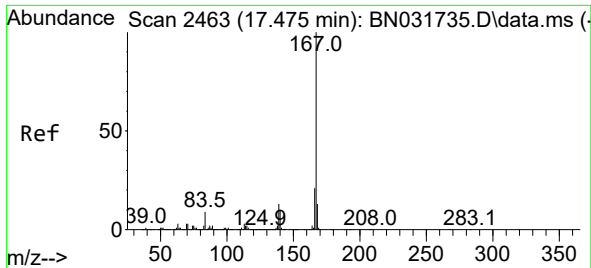
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#74
Anthracene
Concen: 4.950 ng/ul
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BN031750.D
Acq: 31 May 2024 20:14

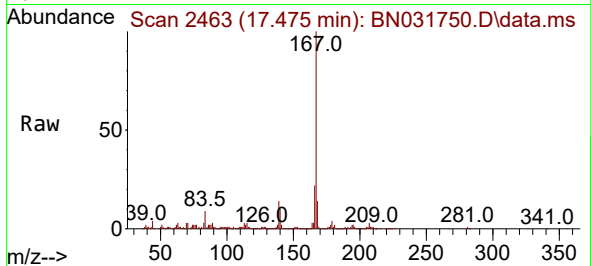
Tgt Ion:178 Resp: 585288
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.6
176 18.8 14.8 22.2





#77
 Carbazole
 Concen: 2.668 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. -0.000 min
 Lab File: BN031750.D
 Acq: 31 May 2024 20:14

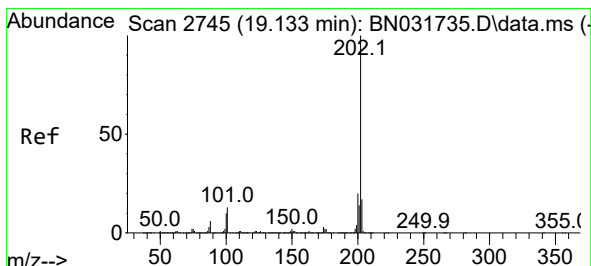
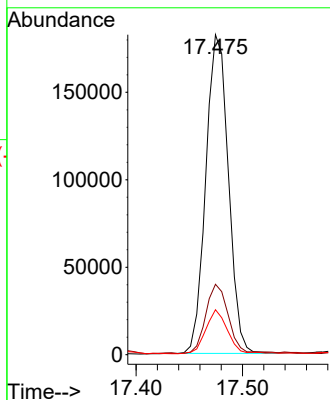
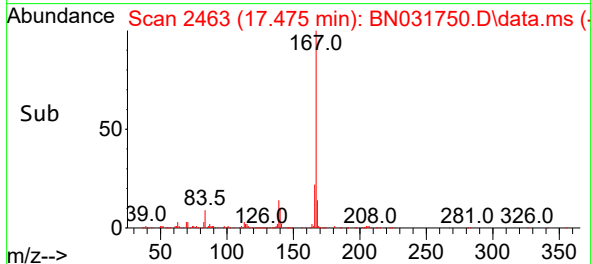
Instrument :
 BNA_N
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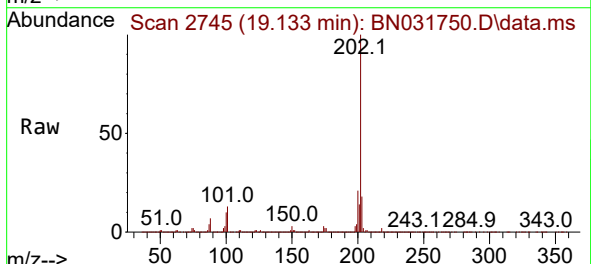
Tgt Ion:167 Resp: 268950
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.9 26.9
 139 14.1 10.5 15.7

Manual Integrations
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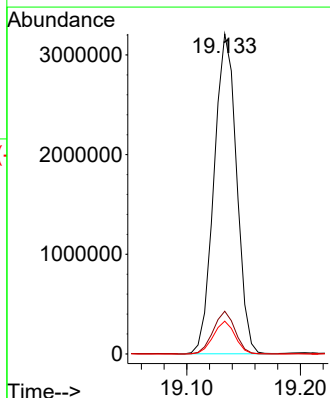
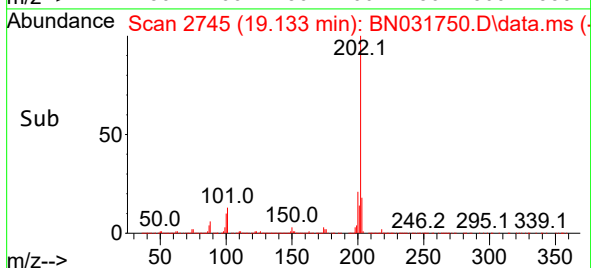
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

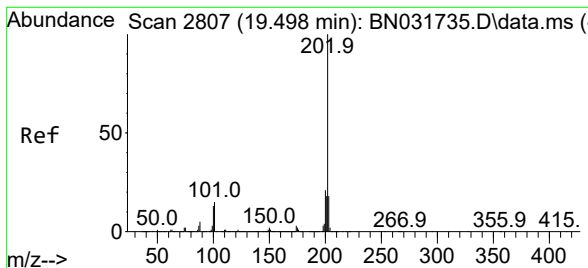


#80
 Fluoranthene
 Concen: 52.466 ng/ul
 RT: 19.133 min Scan# 2745
 Delta R.T. -0.000 min
 Lab File: BN031750.D
 Acq: 31 May 2024 20:14



Tgt Ion:202 Resp: 4432026
 Ion Ratio Lower Upper
 202 100
 101 13.4 10.3 15.5
 100 10.2 8.0 12.0





#82

Pyrene

Concen: 45.973 ng/ul

RT: 19.498 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BN031750.D

Acq: 31 May 2024 20:14

Instrument :

BNA_N

ClientSampleId :

BHBN0

Tgt Ion:202 Resp: 3984538

Ion Ratio Lower Upper

202 100

101 15.0 12.6 18.8

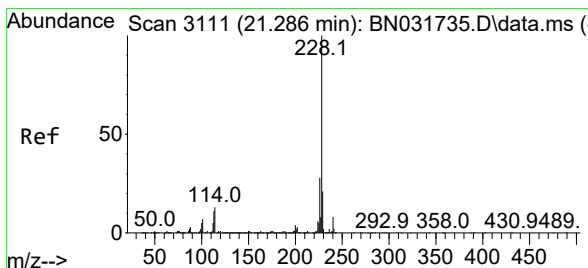
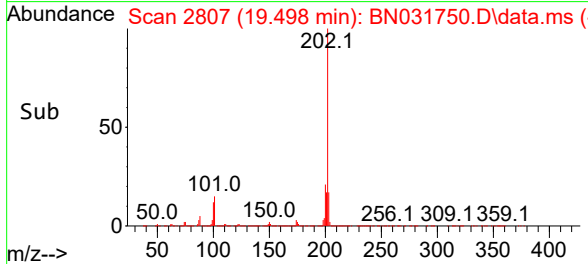
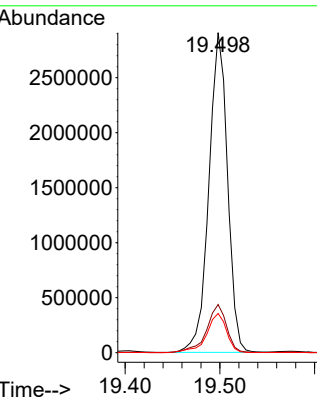
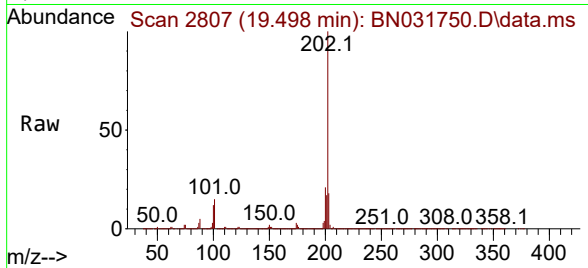
100 12.2 10.2 15.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024



#85

Benzo(a)anthracene

Concen: 21.448 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BN031750.D

Acq: 31 May 2024 20:14

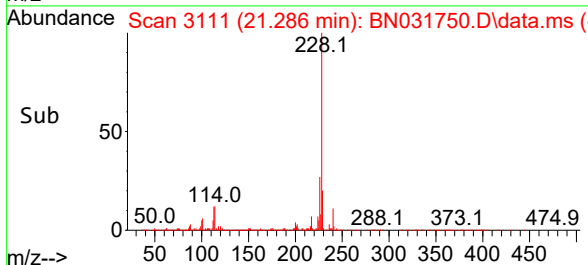
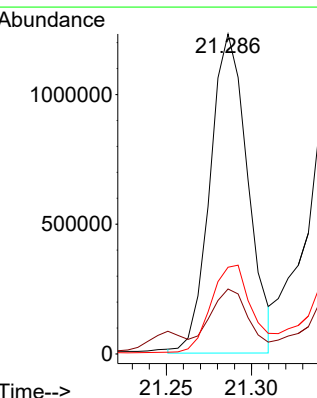
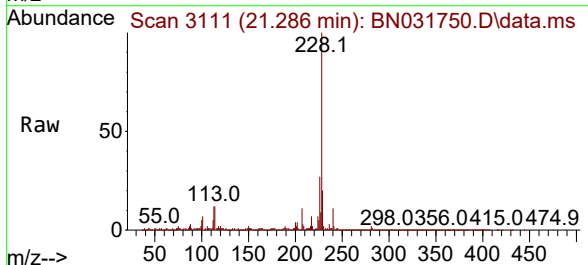
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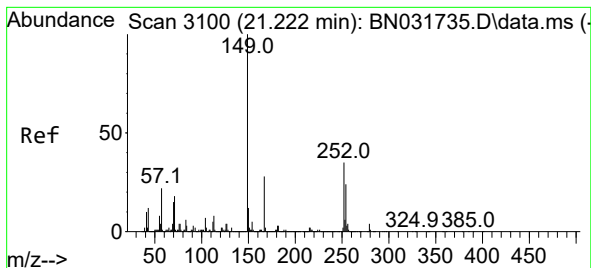
Ion Ratio Lower Upper

228 100

229 20.3 16.7 25.1

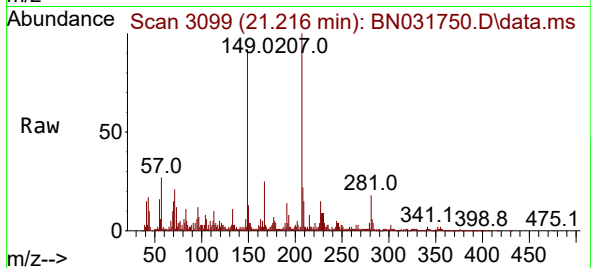
226 27.1 22.8 34.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.543 ng/ul
RT: 21.216 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BN031750.D
Acq: 31 May 2024 20:14

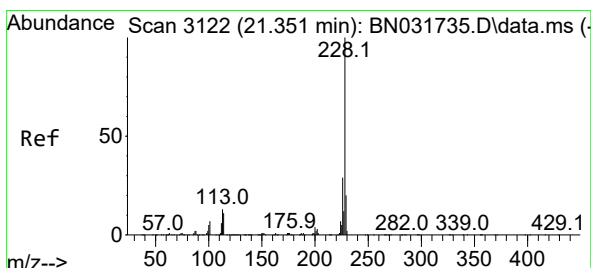
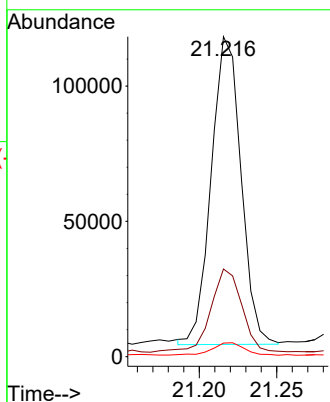
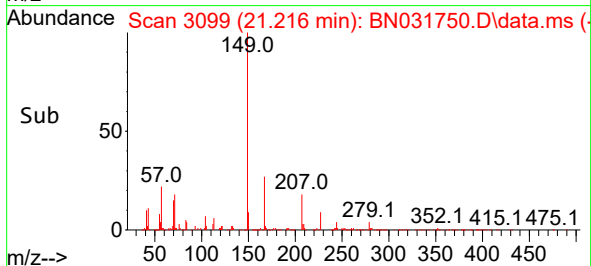
Instrument :
BNA_N
ClientSampleId :
BHBNO



Tgt Ion:149 Resp: 151774
Ion Ratio Lower Upper
149 100
167 27.4 21.4 32.0
279 4.3 3.3 4.9

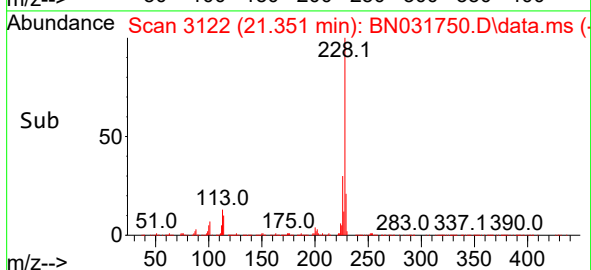
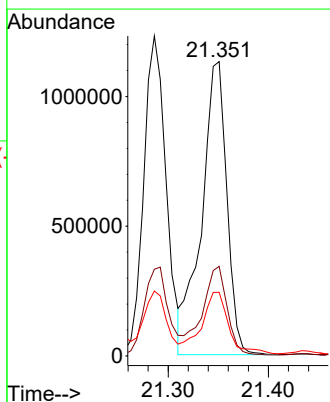
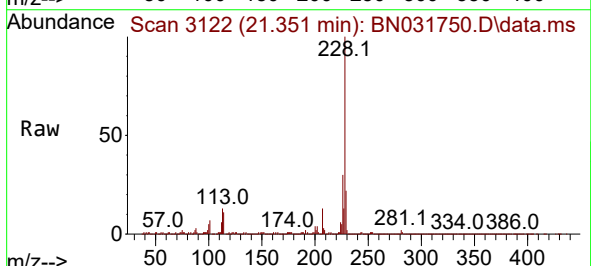
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APPROVED

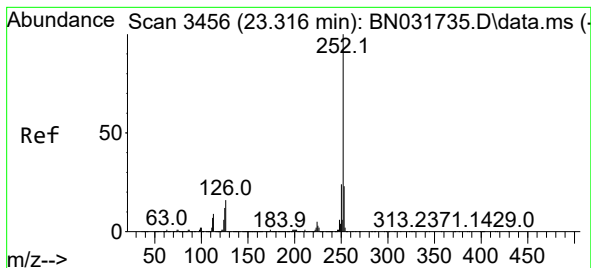
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#87
Chrysene
Concen: 24.017 ng/ul
RT: 21.351 min Scan# 3122
Delta R.T. -0.000 min
Lab File: BN031750.D
Acq: 31 May 2024 20:14

Tgt Ion:228 Resp: 1983421
Ion Ratio Lower Upper
228 100
226 30.4 23.7 35.5
229 21.6 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 31.457 ng/ul

RT: 23.321 min Scan# 3456

Delta R.T. 0.012 min

Lab File: BN031750.D

Acq: 31 May 2024 20:14

Instrument :

BNA_N

ClientSampleId :

BHBN0

Tgt Ion:252 Resp: 291508

Ion Ratio Lower Upper

252 100

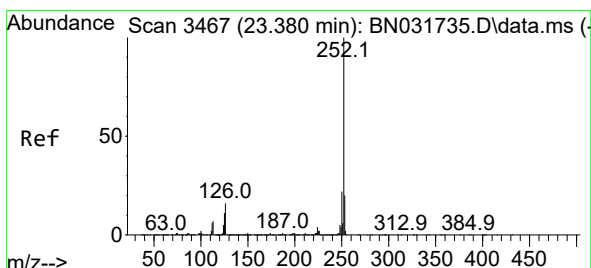
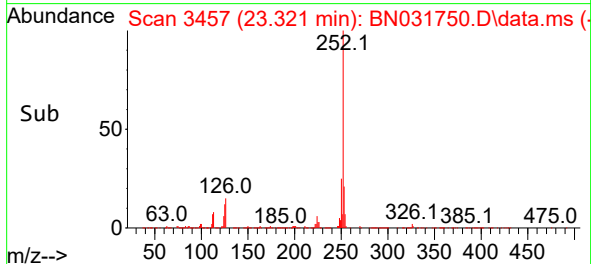
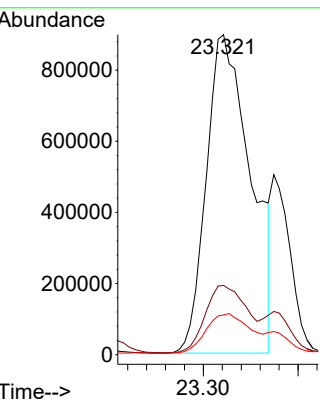
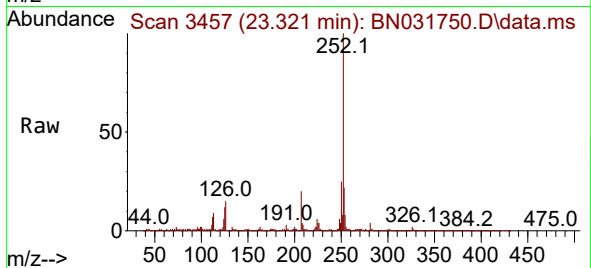
253 21.7 17.0 25.6

125 12.4 9.2 13.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#91

Benzo(k)fluoranthene

Concen: 7.458 ng/ul

RT: 23.374 min Scan# 3466

Delta R.T. -0.000 min

Lab File: BN031750.D

Acq: 31 May 2024 20:14

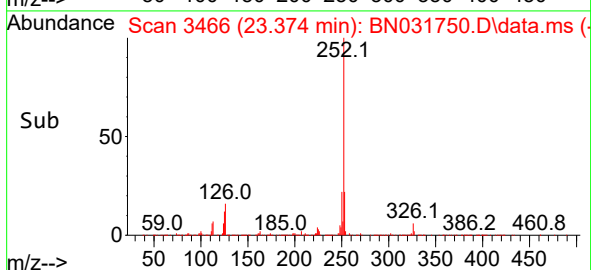
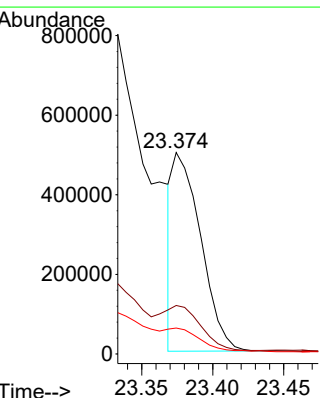
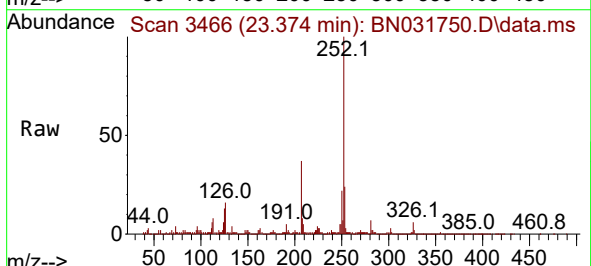
Tgt Ion:252 Resp: 678221

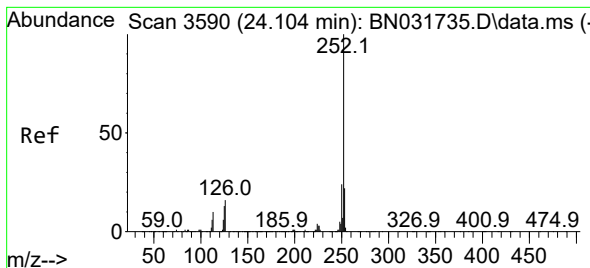
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 12.9 9.4 14.2





#93

Benzo(a)pyrene

Concen: 21.861 ng/ul

RT: 24.104 min Scan# 3590

Delta R.T. -0.000 min

Lab File: BN031750.D

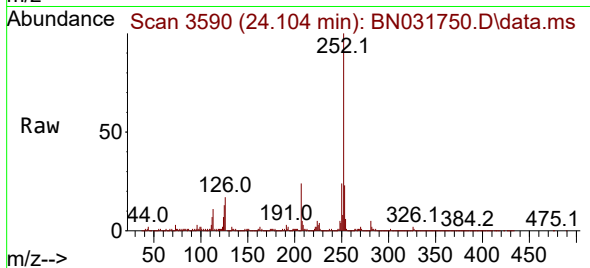
Acq: 31 May 2024 20:14

Instrument :

BNA_N

ClientSampleId :

BHBN0



Tgt Ion:252 Resp: 1897420

Ion Ratio Lower Upper

252 100

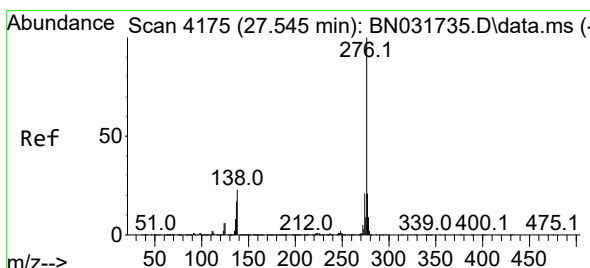
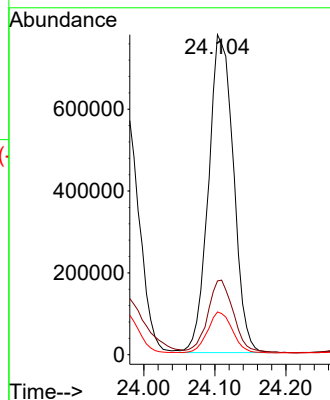
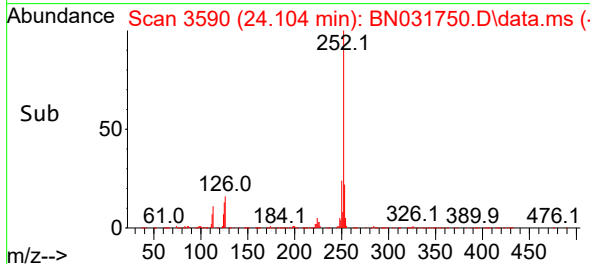
253 23.1 16.6 24.8

125 13.4 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 14.162 ng/ul m

RT: 27.551 min Scan# 4176

Delta R.T. 0.018 min

Lab File: BN031750.D

Acq: 31 May 2024 20:14

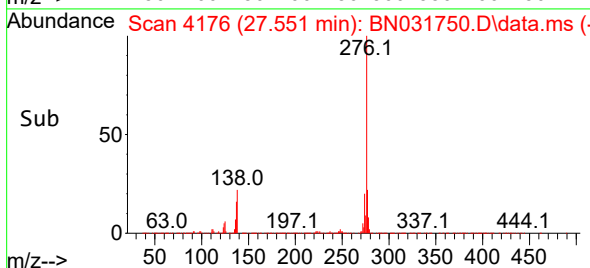
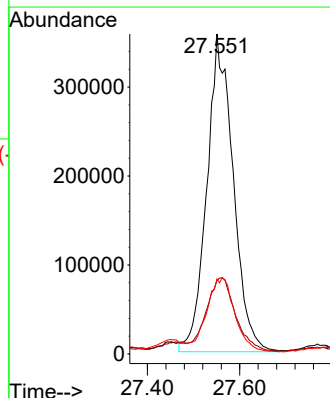
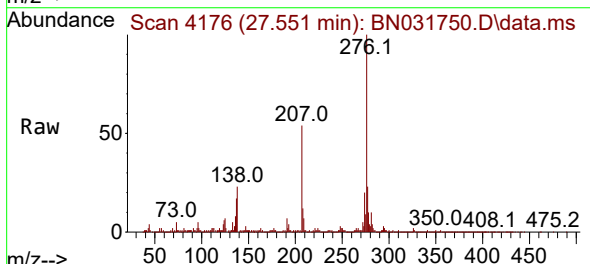
Tgt Ion:276 Resp: 1416390

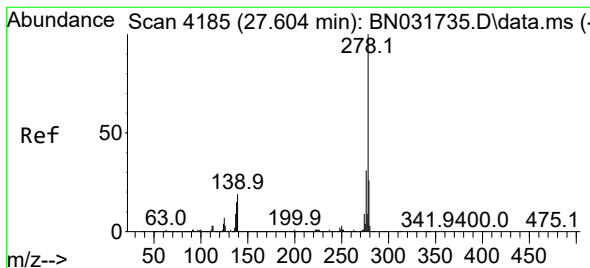
Ion Ratio Lower Upper

276 100

138 23.0 18.1 27.1

277 23.5 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 4.580 ng/ul

RT: 27.603 min Scan# 4185

Delta R.T. -0.000 min

Lab File: BN031750.D

Acq: 31 May 2024 20:14

Instrument :

BNA_N

ClientSampleId :

BHBN0

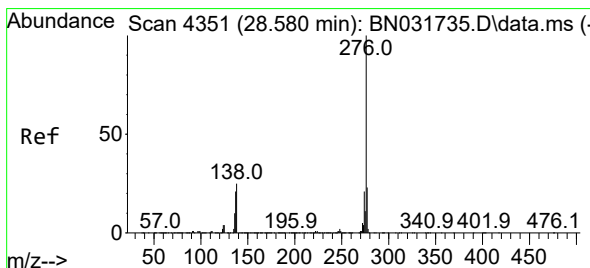
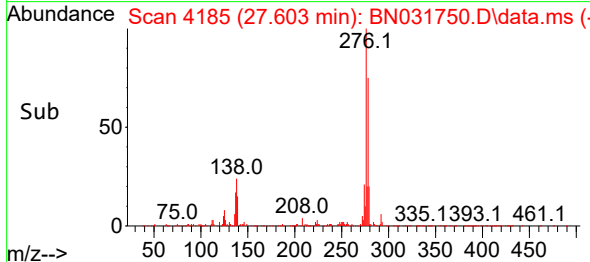
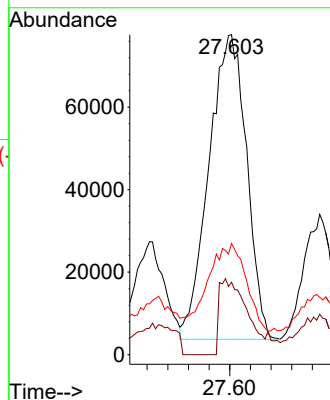
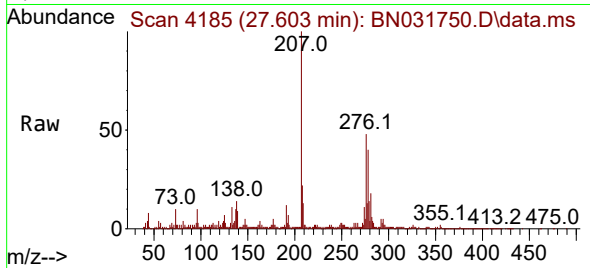
Tgt Ion:278 Resp: 37397

Ion	Ratio	Lower	Upper
278	100		
139	22.6	15.0	22.6
279	34.7	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#96

Benzo(g,h,i)perylene

Concen: 17.604 ng/ul

RT: 28.592 min Scan# 4353

Delta R.T. 0.023 min

Lab File: BN031750.D

Acq: 31 May 2024 20:14

Tgt Ion:276 Resp: 1399588

Ion	Ratio	Lower	Upper
276	100		
138	26.7	20.9	31.3
277	24.4	18.0	27.0

