

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
 Data File : BN031748.D
 Acq On : 31 May 2024 18:55
 Operator : MA/JU
 Sample : P2549-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH629

Manual Integrations
 APPROVED

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

Quant Time: Jun 01 04:18:22 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	505649	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2181632	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1310526	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2270595	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1276644	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1479894	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	63989	5.235	ng/uL	0.00
4) Pyridine-d5	3.593	84	668164	19.420	ng/u1	0.00
7) Phenol-d5	6.852	99	1254249	28.934	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	702544	27.708	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	997936	30.171	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	956917	27.081	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	512821	30.743	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	554701	32.192	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	948352	29.481	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	946746	19.822	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2737316	29.982	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	3233945	30.805	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	439506	24.043	ng/u1	0.00
60) Fluorene-d10	15.322	176	2244124	29.050	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	204430	17.912	ng/u1	0.00
73) Anthracene-d10	17.169	188	2972889	30.582	ng/u1	0.00
81) Pyrene-d10	19.469	212	2583797	37.821	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	2283104	32.309	ng/u1	0.01
Target Compounds						Qvalue
30) Naphthalene	10.516	128	159655	1.414	ng/u1	99
37) 1-Methylnaphthalene	12.351	142	78825	1.018	ng/u1	96
50) Acenaphthylene	14.045	152	220919	1.862	ng/u1	98
52) Acenaphthene	14.387	153	413884	5.272	ng/u1	98
56) Dibenzofuran	14.722	168	341054	3.198	ng/u1	97
61) Fluorene	15.375	166	412603	4.804	ng/u1	98
72) Phenanthrene	17.116	178	7251614	62.694	ng/u1	98
74) Anthracene	17.204	178	1616348	13.791	ng/u1	98
77) Carbazole	17.475	167	731924	7.324	ng/u1	99
80) Fluoranthene	19.139	202	8863852	108.567	ng/u1	99
82) Pyrene	19.504	202	7508628	89.637	ng/u1	98
83) Butylbenzylphthalate	20.404	149	142912	3.612	ng/u1	92
85) Benzo(a)anthracene	21.286	228	3676346	43.023	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.222	149	411596	7.137	ng/u1	100
87) Chrysene	21.351	228	3419310m	42.839	ng/u1	
90) Benzo(b)fluoranthene	23.321	252	4515635	51.049	ng/u1	98
91) Benzo(k)fluoranthene	23.374	252	1510958m	17.407	ng/u1	
93) Benzo(a)pyrene	24.116	252	3303073	39.869	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.557	276	2366553	24.789	ng/u1	97
95) Dibenzo(a,h)anthracene	27.592	278	605205m	7.765	ng/u1	
96) Benzo(g,h,i)perylene	28.592	276	2244186	29.571	ng/u1	97

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

Instrument :

BNA_N

ClientSampleId :

BH629

Manual Integrations

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Supervised By :mohammad ahmed 06/04/2024

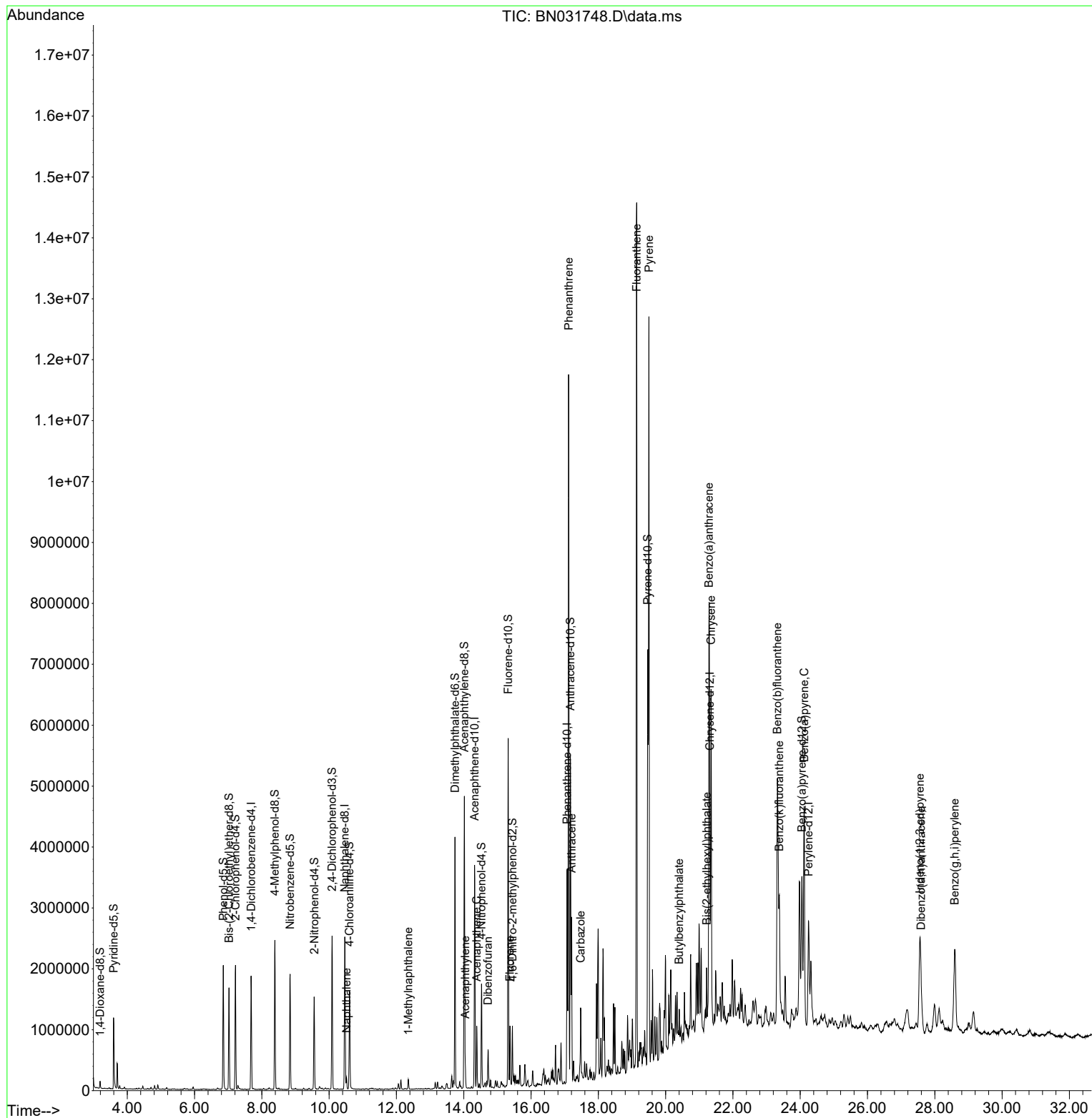
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
Data File : BN031748.D
Acq On : 31 May 2024 18:55
Operator : MA/JU
Sample : P2549-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

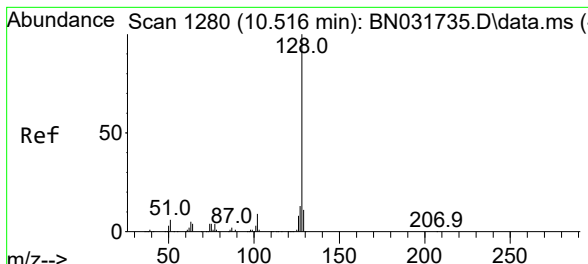
Instrument :
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ClientSampleId :
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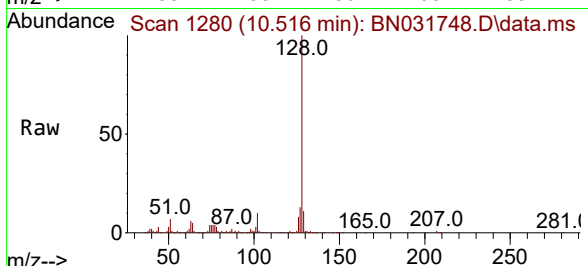
Quant Time: Jun 01 04:18:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.414 ng/ul
RT: 10.516 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

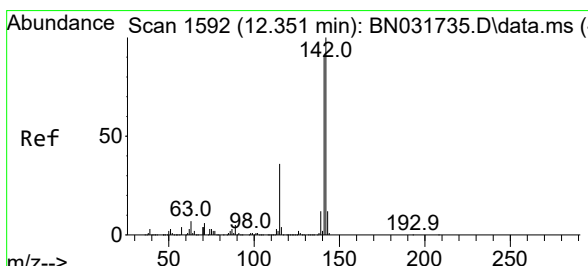
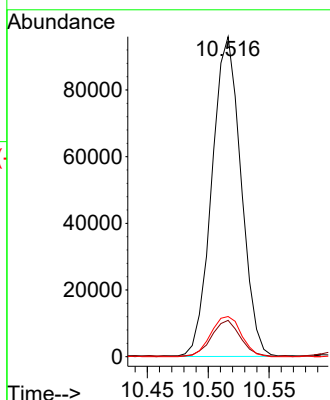
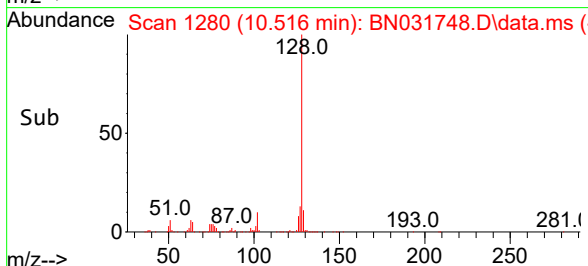
Instrument : BNA_N
ClientSampleId : BH629



Tgt Ion:128 Resp: 15965
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 12.6 10.3 15.5

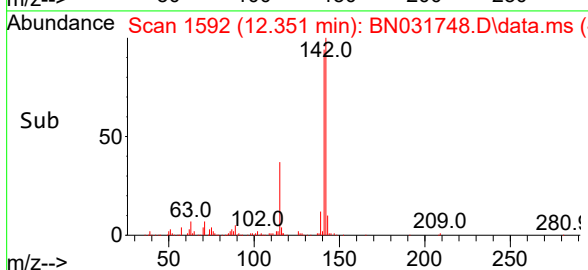
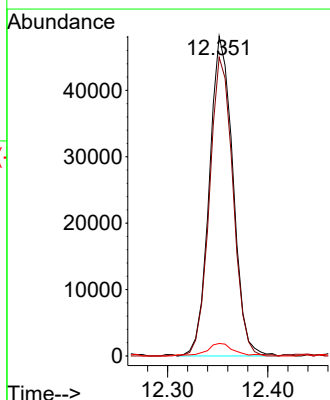
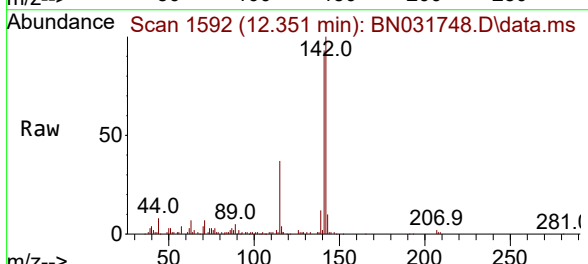
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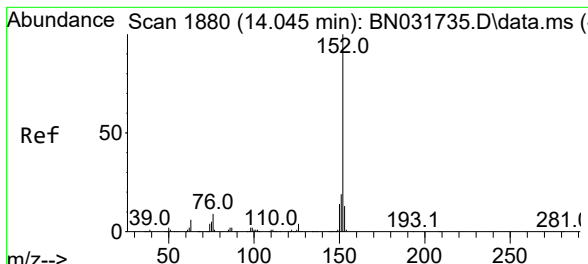
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#37
1-Methylnaphthalene
Concen: 1.018 ng/ul
RT: 12.351 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

Tgt Ion:142 Resp: 78825
Ion Ratio Lower Upper
142 100
141 93.4 71.7 107.5
116 3.9 3.0 4.4





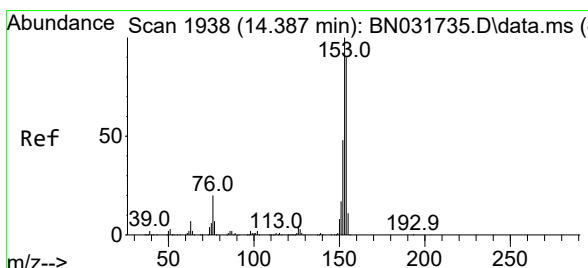
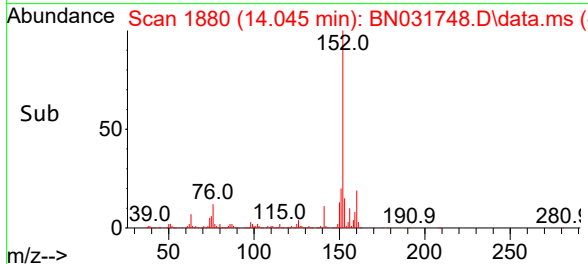
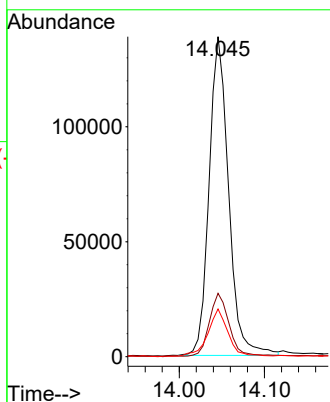
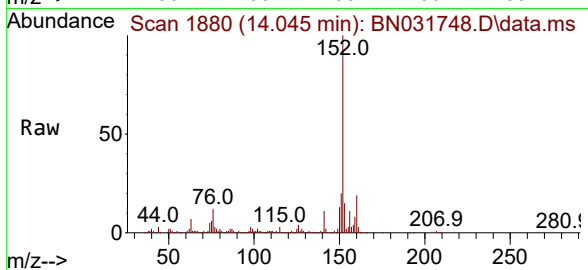
#50
Acenaphthylene
Concen: 1.862 ng/ul
RT: 14.045 min Scan# 1880
Delta R.T. -0.000 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

Instrument : BNA_N
ClientSampleId : BH629

Tgt Ion:	152	Resp:	220919
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.9	23.9
153	14.9	10.4	15.6

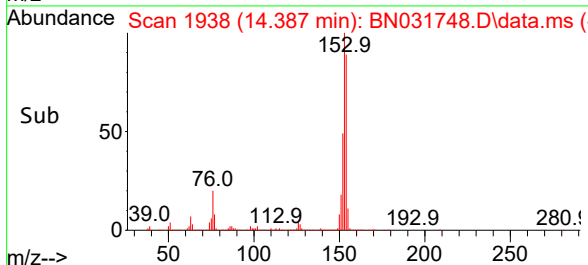
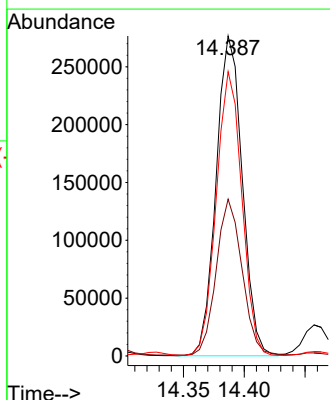
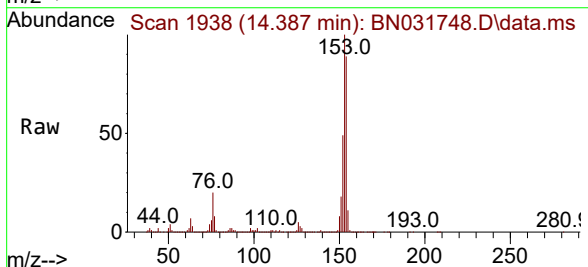
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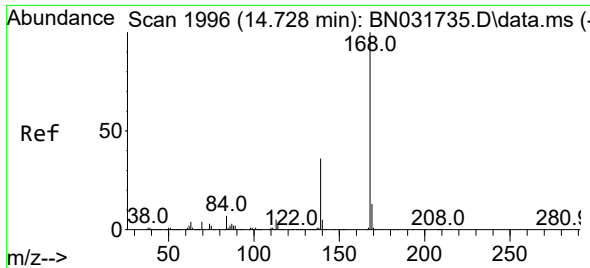
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#52
Acenaphthene
Concen: 5.272 ng/ul
RT: 14.387 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

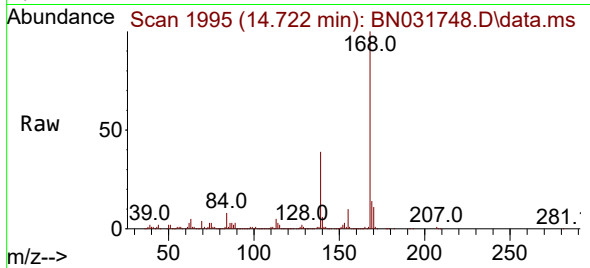
Tgt Ion:	153	Resp:	413884
Ion Ratio	Lower	Upper	
153	100		
152	49.0	37.8	56.6
154	88.8	69.8	104.8





#56
Dibenzenofuran
Concen: 3.198 ng/ul
RT: 14.722 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

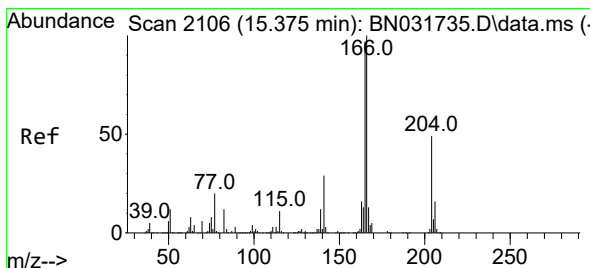
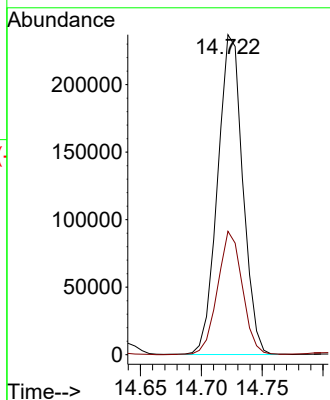
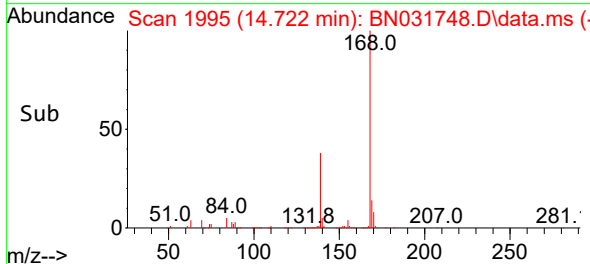
Instrument :
BNA_N
ClientSampleId :
BH629



Tgt Ion:168 Resp: 341054
Ion Ratio Lower Upper
168 100
139 38.6 29.4 44.0

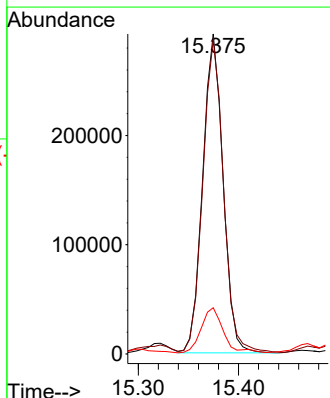
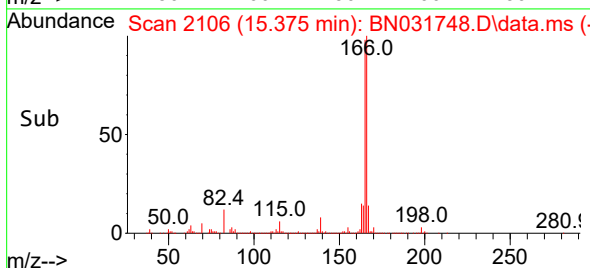
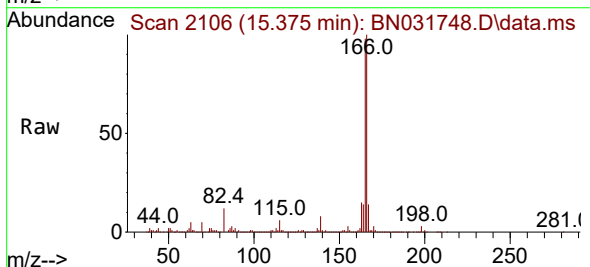
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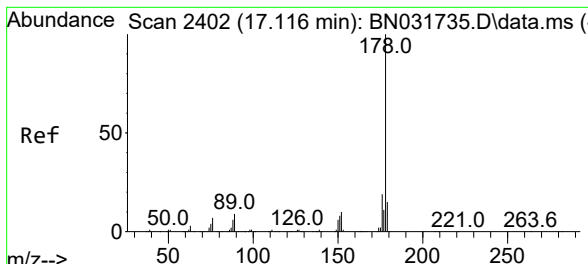
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#61
Fluorene
Concen: 4.804 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

Tgt Ion:166 Resp: 412603
Ion Ratio Lower Upper
166 100
165 98.2 80.3 120.5
167 14.4 11.3 16.9





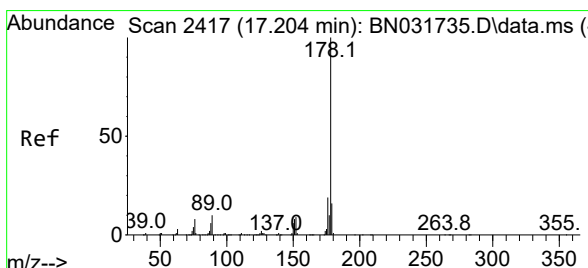
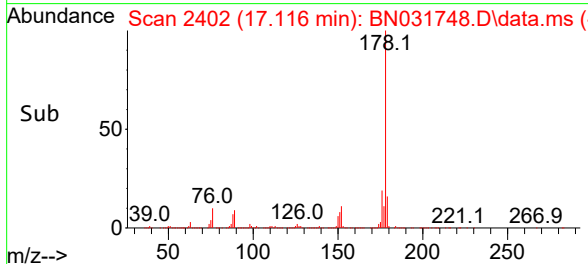
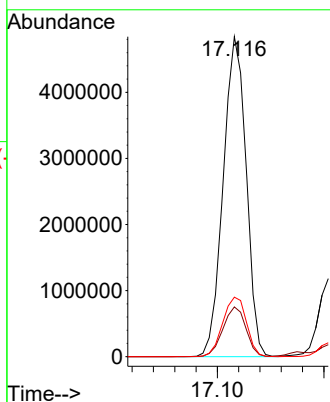
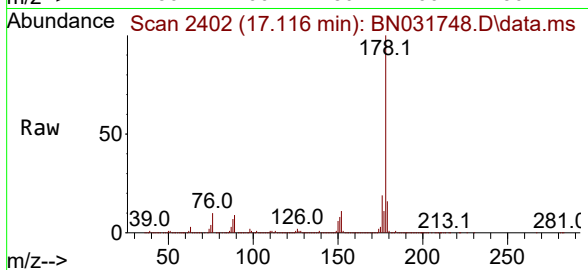
#72
Phenanthrene
Concen: 62.694 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

Instrument :
BNA_N
ClientSampleId :
BH629

Tgt Ion:178 Resp: 7251614
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 18.6 15.8 23.6

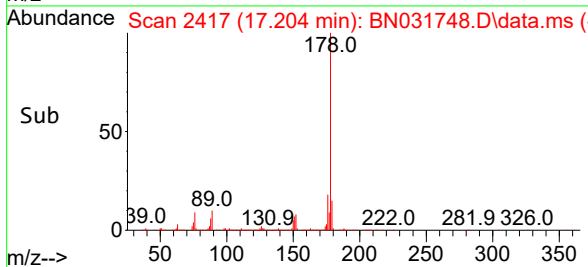
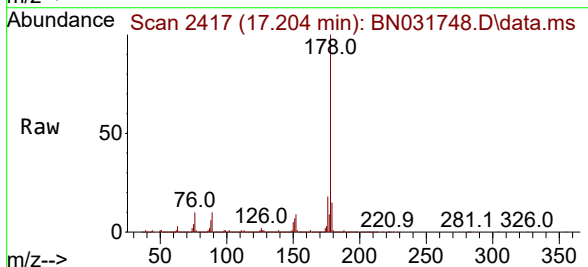
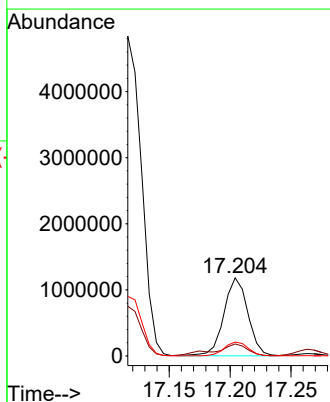
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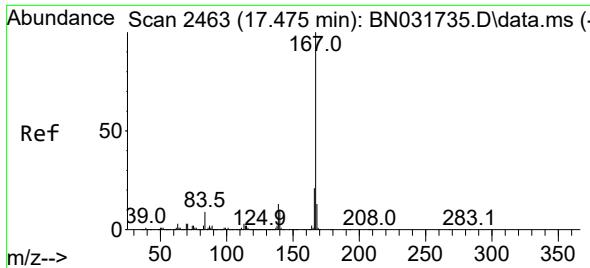
Reviewed By :Jagrut Upadhyay 06/03/2024
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#74
Anthracene
Concen: 13.791 ng/ul
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

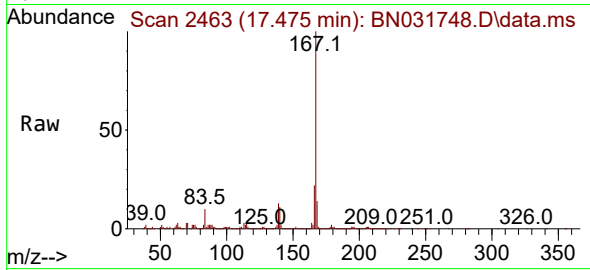
Tgt Ion:178 Resp: 1616348
Ion Ratio Lower Upper
178 100
179 15.5 11.8 17.6
176 17.8 14.8 22.2





#77
 Carbazole
 Concen: 7.324 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. -0.000 min
 Lab File: BN031748.D
 Acq: 31 May 2024 18:55

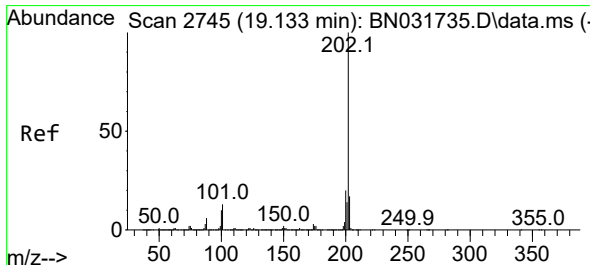
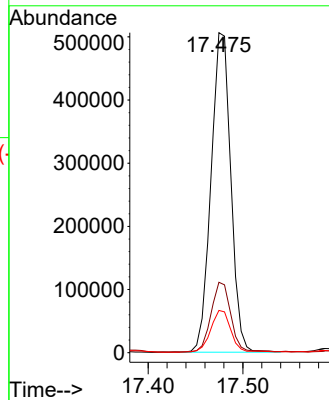
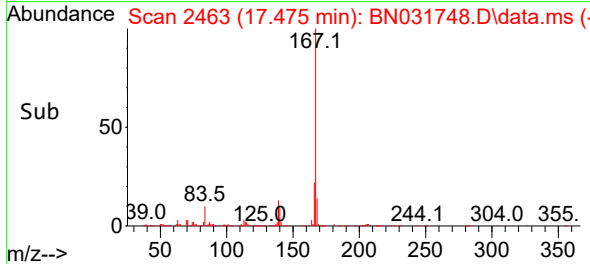
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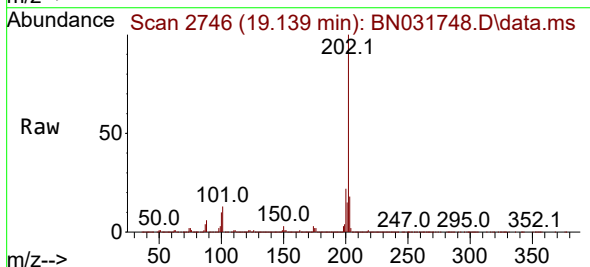
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 Ion Ratio Lower Upper
 167 100
 166 22.0 17.9 26.9
 139 13.2 10.5 15.7

Manual Integrations
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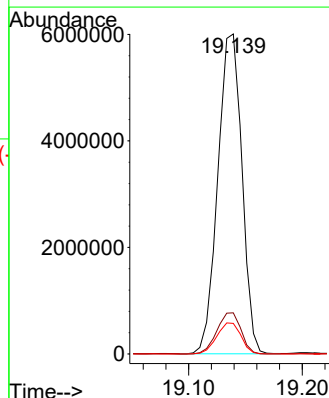
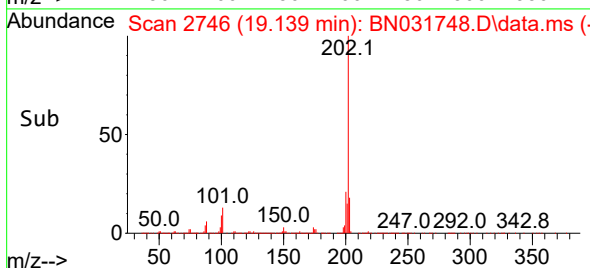
Reviewed By :Jagrut Upadhyay 06/03/2024
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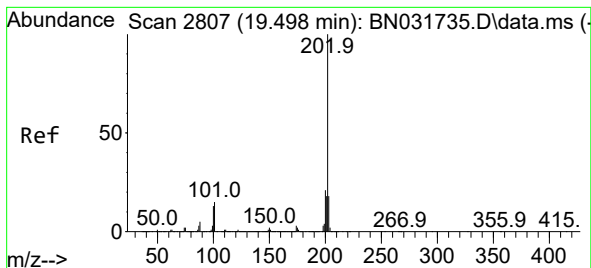


#80
 Fluoranthene
 Concen: 108.567 ng/ul
 RT: 19.139 min Scan# 2746
 Delta R.T. 0.006 min
 Lab File: BN031748.D
 Acq: 31 May 2024 18:55



Tgt Ion:202 Resp: 8863852
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.3 15.5
 100 9.5 8.0 12.0





#82

Pyrene

Concen: 89.637 ng/ul

RT: 19.504 min Scan# 2808

Delta R.T. 0.012 min

Lab File: BN031748.D

Acq: 31 May 2024 18:55

Instrument :

BNA_N

ClientSampleId :

BH629

Tgt Ion:202 Resp: 7508628

Ion Ratio Lower Upper

202 100

101 14.7 12.6 18.8

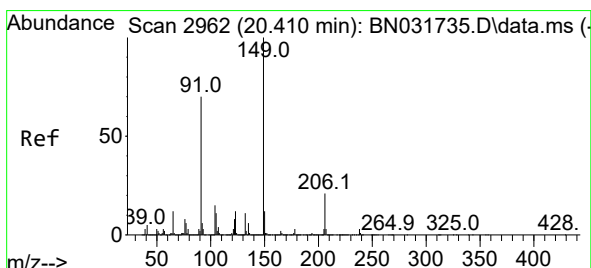
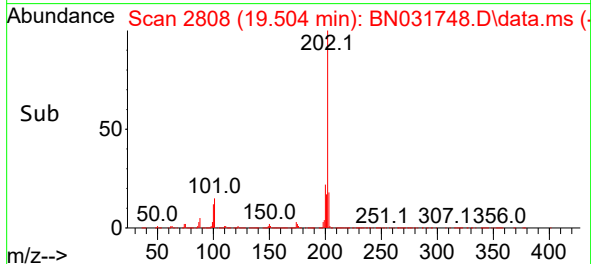
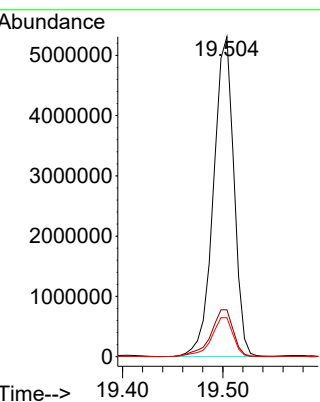
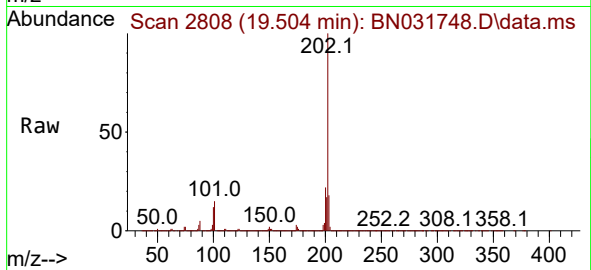
100 12.2 10.2 15.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024



#83

Butylbenzylphthalate

Concen: 3.612 ng/ul

RT: 20.404 min Scan# 2961

Delta R.T. -0.000 min

Lab File: BN031748.D

Acq: 31 May 2024 18:55

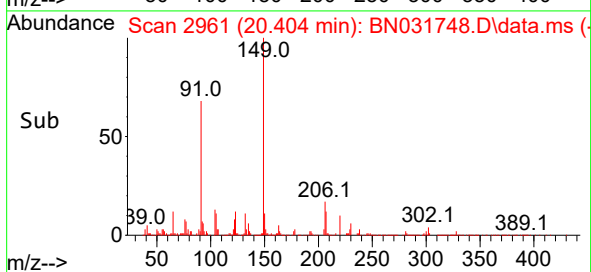
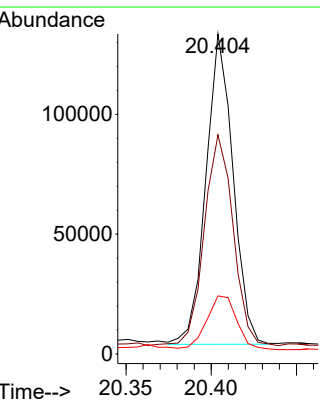
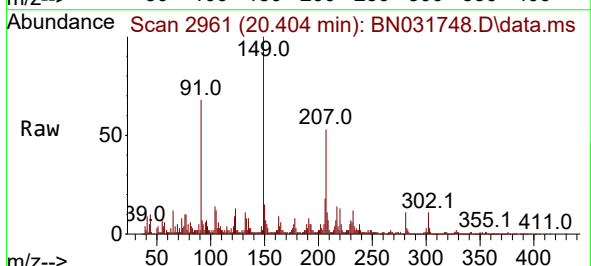
Tgt Ion:149 Resp: 142912

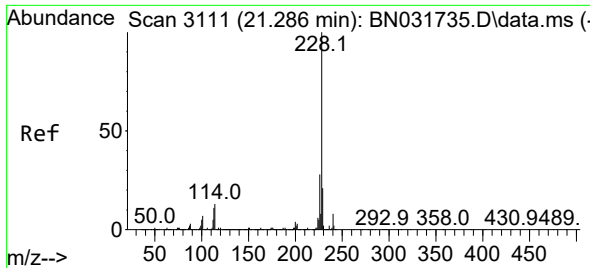
Ion Ratio Lower Upper

149 100

91 68.5 61.0 91.4

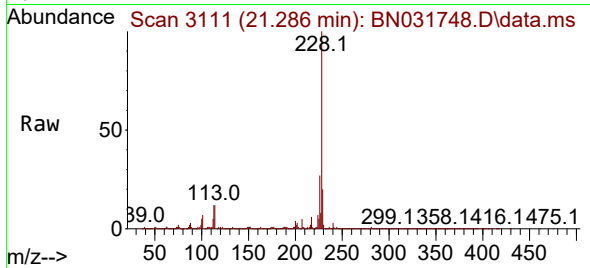
206 18.2 16.5 24.7





#85
Benzo(a)anthracene
Concen: 43.023 ng/ul
RT: 21.286 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55

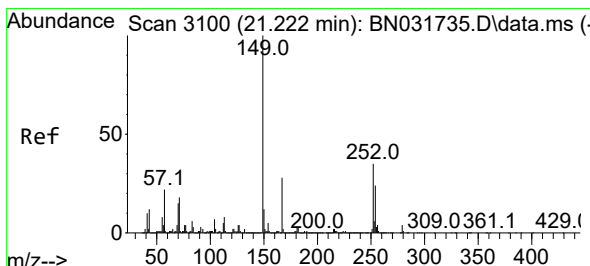
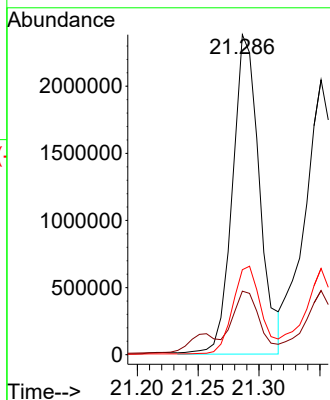
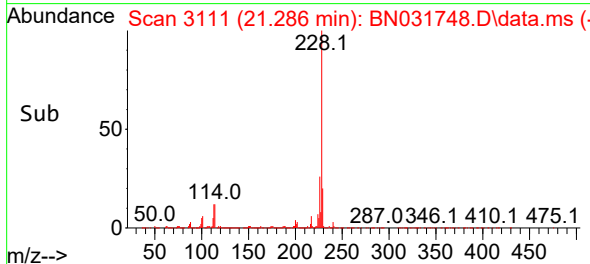
Instrument :
BNA_N
ClientSampleId :
BH629



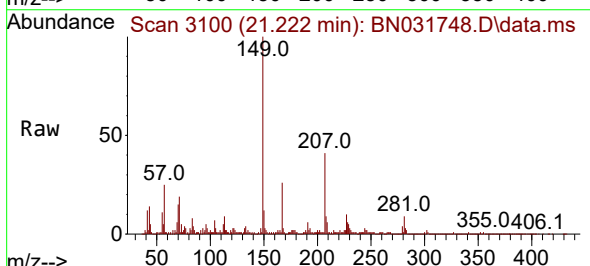
Tgt Ion:228 Resp: 3676340
Ion Ratio Lower Upper
228 100
229 19.8 16.7 25.1
226 26.6 22.8 34.2

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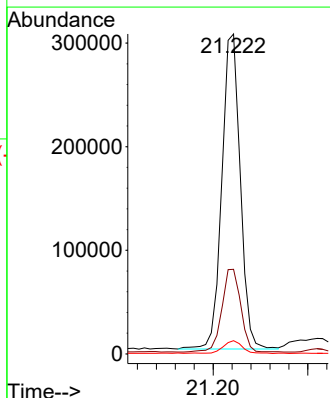
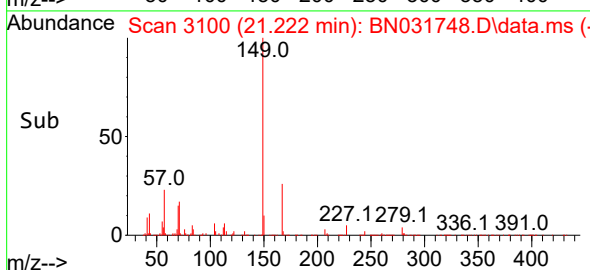
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

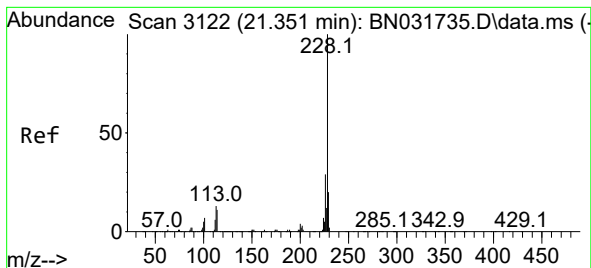


#86
Bis(2-ethylhexyl)phthalate
Concen: 7.137 ng/ul
RT: 21.222 min Scan# 3100
Delta R.T. -0.000 min
Lab File: BN031748.D
Acq: 31 May 2024 18:55



Tgt Ion:149 Resp: 411596
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.1 3.3 4.9





#87

Chrysene

Concen: 42.839 ng/ul m

RT: 21.351 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN031748.D

Acq: 31 May 2024 18:55

Instrument :

BNA_N

ClientSampleId :

BH629

Tgt Ion:228 Resp: 3419310

Ion Ratio Lower Upper

228 100

226 31.4 23.7 35.5

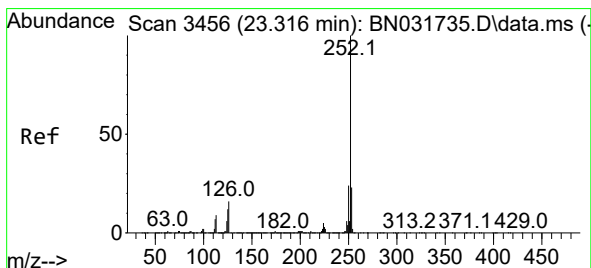
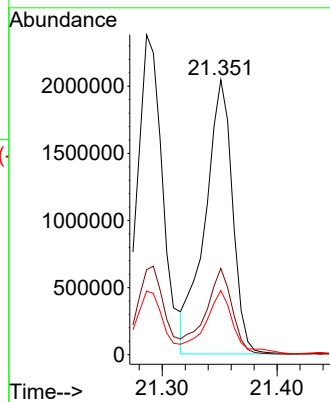
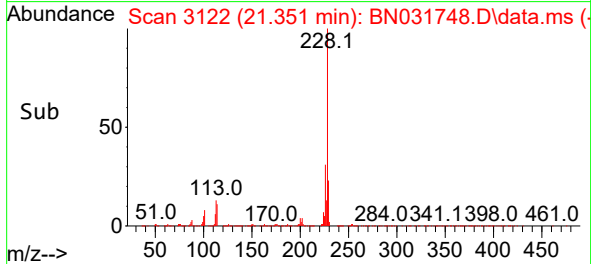
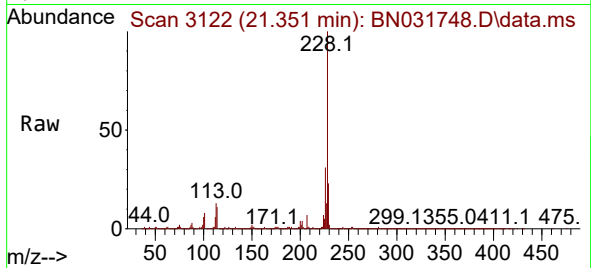
229 23.4 15.1 22.7

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Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024



#90

Benzo(b)fluoranthene

Concen: 51.049 ng/ul

RT: 23.321 min Scan# 3457

Delta R.T. 0.012 min

Lab File: BN031748.D

Acq: 31 May 2024 18:55

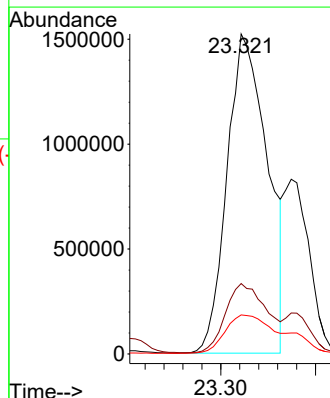
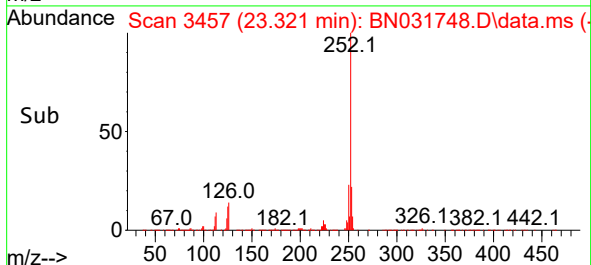
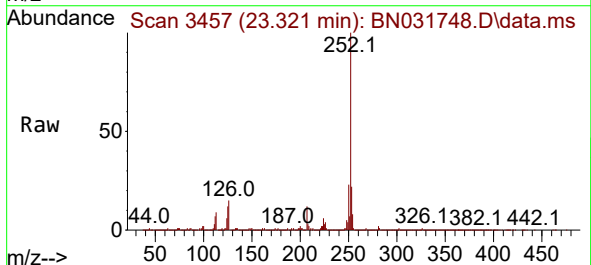
Tgt Ion:252 Resp: 4515635

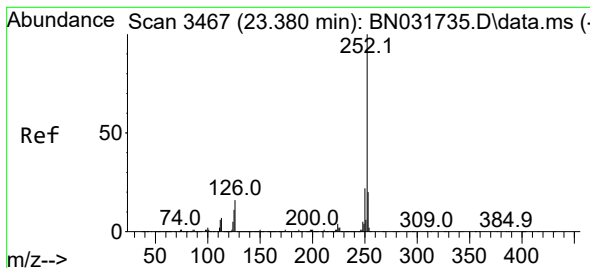
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 12.2 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 17.407 ng/ul m

RT: 23.374 min Scan# 3466

Delta R.T. -0.000 min

Lab File: BN031748.D

Acq: 31 May 2024 18:55

Instrument :

BNA_N

ClientSampleId :

BH629

Tgt Ion:252 Resp: 1510958

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

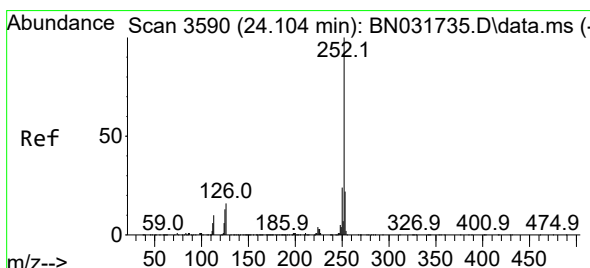
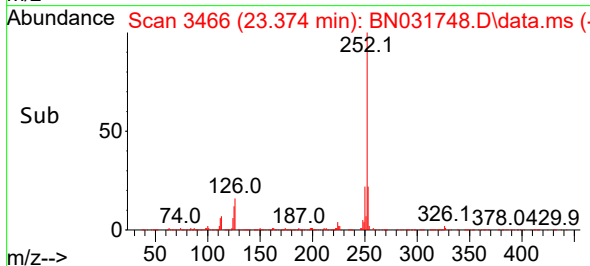
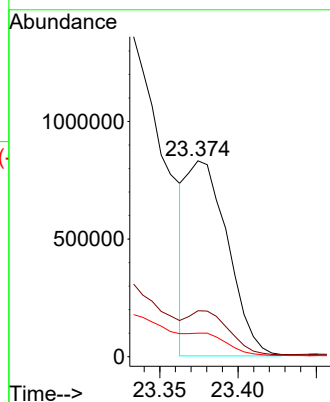
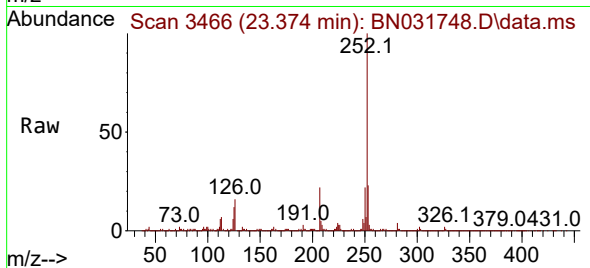
125 12.0 9.4 14.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024



#93

Benzo(a)pyrene

Concen: 39.869 ng/ul

RT: 24.116 min Scan# 3592

Delta R.T. 0.012 min

Lab File: BN031748.D

Acq: 31 May 2024 18:55

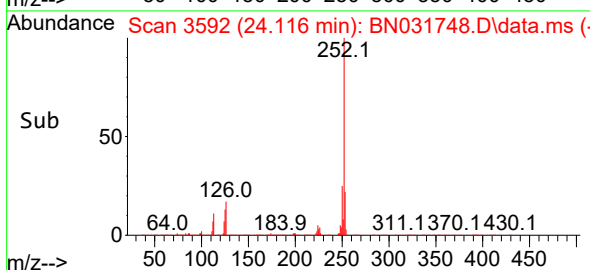
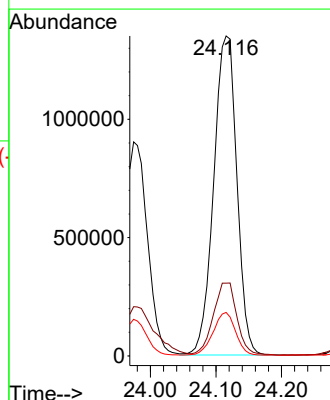
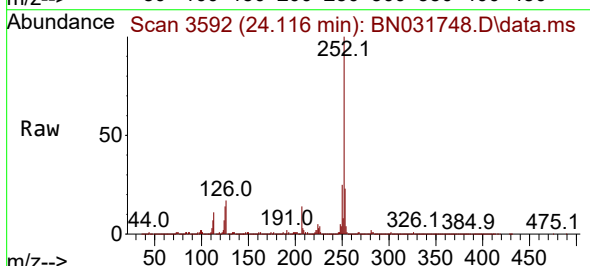
Tgt Ion:252 Resp: 3303073

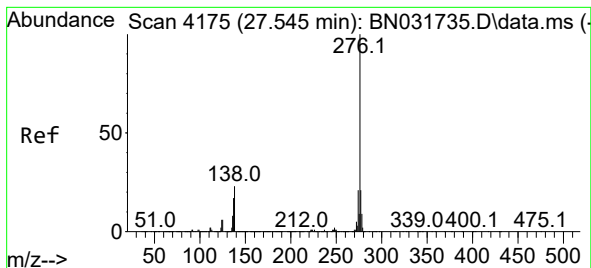
Ion Ratio Lower Upper

252 100

253 22.8 16.6 24.8

125 13.6 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 24.789 ng/ul

RT: 27.557 min Scan# 4175

Delta R.T. 0.024 min

Lab File: BN031748.D

Acq: 31 May 2024 18:55

Instrument :

BNA_N

ClientSampleId :

BH629

Tgt Ion:276 Resp: 236655

Ion Ratio Lower Upper

276 100

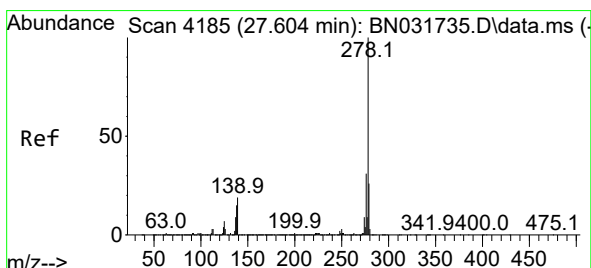
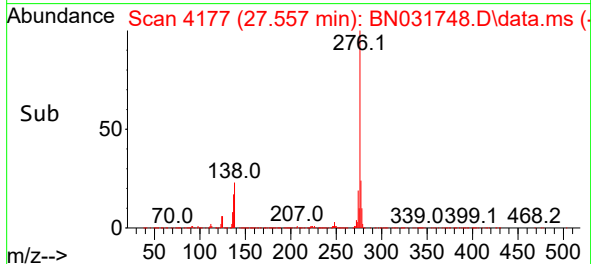
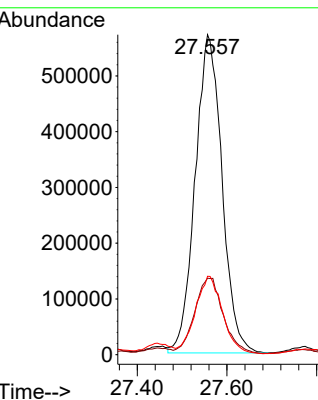
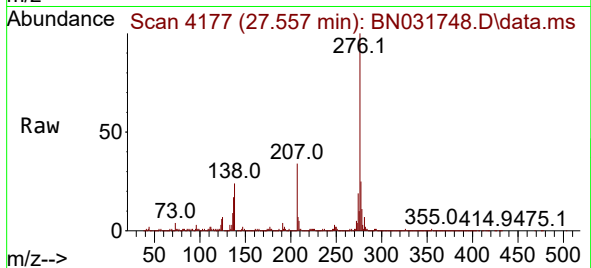
138 23.9 18.1 27.1

277 24.5 18.2 27.2

Manual Integrations

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



#95

Dibenzo(a,h)anthracene

Concen: 7.765 ng/ul m

RT: 27.592 min Scan# 4183

Delta R.T. -0.012 min

Lab File: BN031748.D

Acq: 31 May 2024 18:55

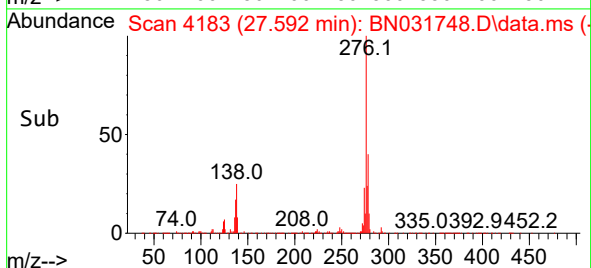
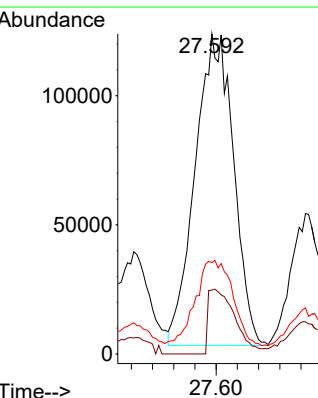
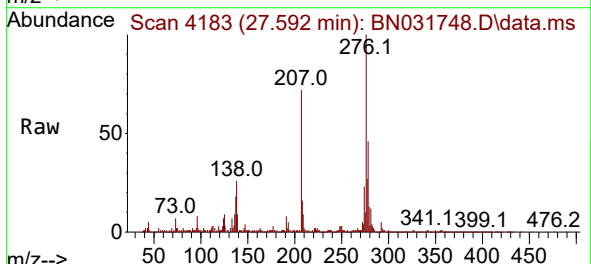
Tgt Ion:278 Resp: 605205

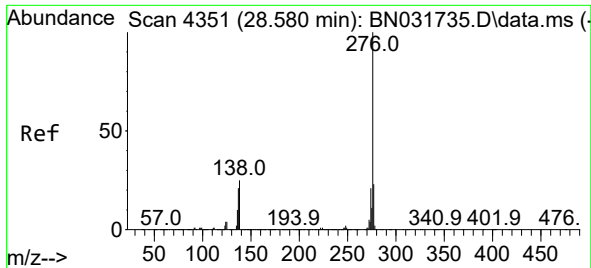
Ion Ratio Lower Upper

278 100

139 20.0 15.0 22.6

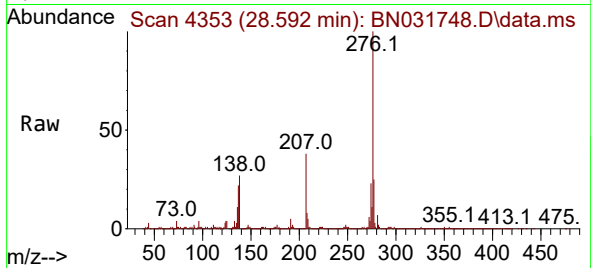
279 28.5 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 29.571 ng/ul
 RT: 28.592 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: BN031748.D
 Acq: 31 May 2024 18:55

Instrument :
 BNA_N
 ClientSampleId :
 BH629



Tgt Ion: 276 Resp: 224418
 Ion Ratio Lower Upper
 276 100
 138 26.7 20.9 31.3
 277 24.5 18.0 27.0

Manual Integrations
 APPROVED

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

