

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
 Data File : BN031641.D
 Acq On : 23 May 2024 20:52
 Operator : MA/JU
 Sample : P2547-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5X4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

Quant Time: May 23 23:40:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 23:42:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	394914	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	1479626	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	775956	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	1515588	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1382827	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	1771704	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	34946	3.507	ng/uL	0.00
4) Pyridine-d5	3.605	84	338768	12.184	ng/u1	0.00
7) Phenol-d5	6.852	99	574273	17.665	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	350232	17.963	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	475175	18.969	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	412161	16.377	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	208168	18.589	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	197293	18.450	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	387319	18.525	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	477089	15.830	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	1071035	21.902	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	1306179	21.311	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	148108	16.007	ng/u1	0.00
60) Fluorene-d10	15.322	176	930998	21.969	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.440	200	76388	11.658	ng/u1	0.00
73) Anthracene-d10	17.169	188	1478516	23.045	ng/u1	0.00
81) Pyrene-d10	19.469	212	1679341	19.361	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	1861702	22.324	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.522	128	227990	2.994	ng/u1	99
36) 2-Methylnaphthalene	12.140	142	99200	1.991	ng/u1	96
37) 1-Methylnaphthalene	12.357	142	90336	1.831	ng/u1	97
50) Acenaphthylene	14.051	152	257300	3.637	ng/u1	98
52) Acenaphthene	14.393	153	390577	8.520	ng/u1	94
56) Dibenzofuran	14.728	168	414725	6.777	ng/u1	98
61) Fluorene	15.375	166	428899	8.947	ng/u1	98
72) Phenanthrene	17.116	178	7475658	97.193	ng/u1	98
74) Anthracene	17.204	178	1803473	23.370	ng/u1	98
77) Carbazole	17.475	167	853890	12.967	ng/u1	99
80) Fluoranthene	19.139	202	10175002	94.904	ng/u1	99
82) Pyrene	19.498	202	8989686	81.761	ng/u1	96
83) Butylbenzylphthalate	20.404	149	188151	5.042	ng/u1	99
85) Benzo(a)anthracene	21.286	228	5143335	55.311	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.222	149	239788	4.693	ng/u1	99
87) Chrysene	21.351	228	5007204m	58.294	ng/u1	
90) Benzo(b)fluoranthene	23.321	252	6758930	65.374	ng/u1	98
91) Benzo(k)fluoranthene	23.374	252	2080432	19.740	ng/u1	97
93) Benzo(a)pyrene	24.110	252	4902785	49.367	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.557	276	3334376	27.974	ng/u1	100
95) Dibenzo(a,h)anthracene	27.586	278	870729	8.871	ng/u1	94
96) Benzo(g,h,i)perylene	28.580	276	3131672	31.801	ng/u1	97

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

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

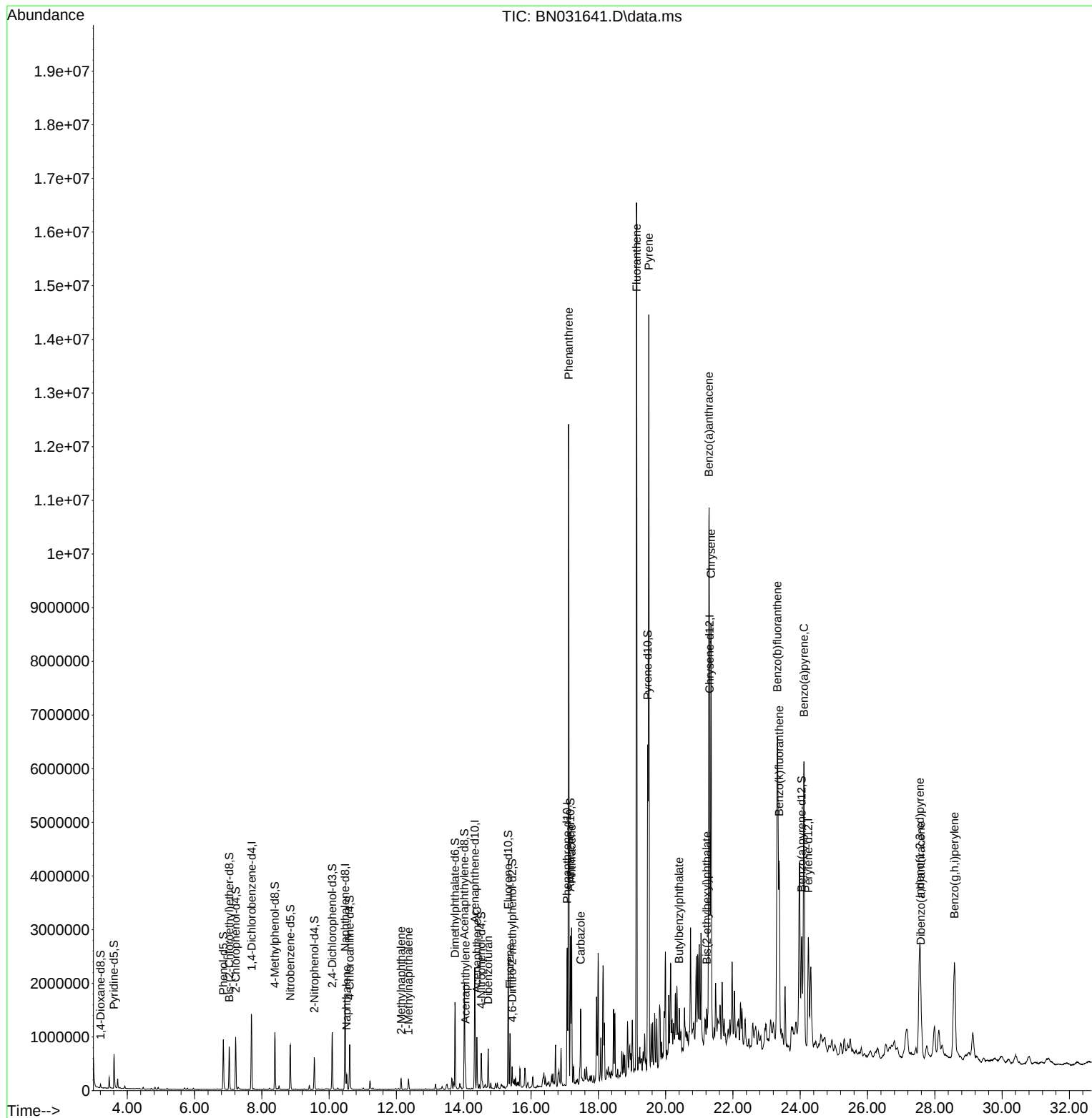
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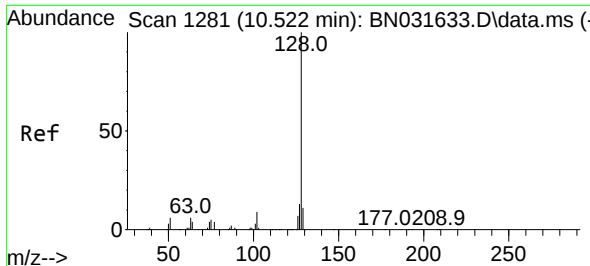
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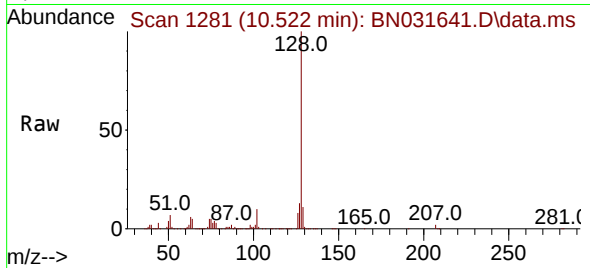
Quant Time: May 23 23:40:58 2024
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#30
Naphthalene
Concen: 2.994 ng/ul
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

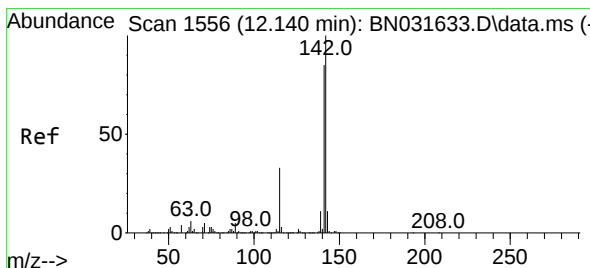
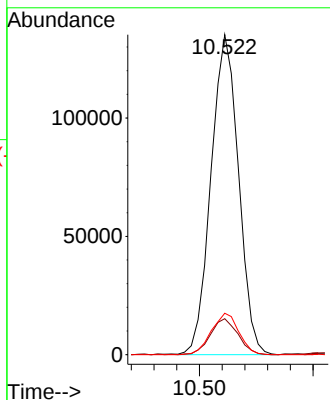
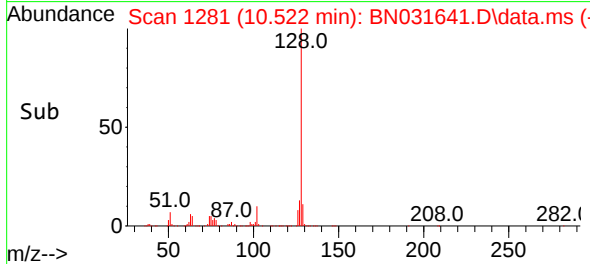
Instrument :
BNA_N
ClientSampleId :
BH5X4



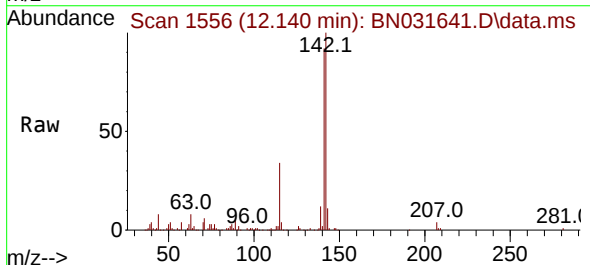
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Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.9 10.2 15.2

Manual Integrations
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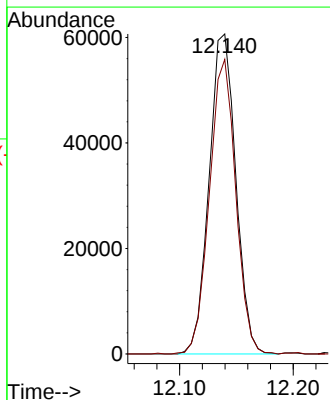
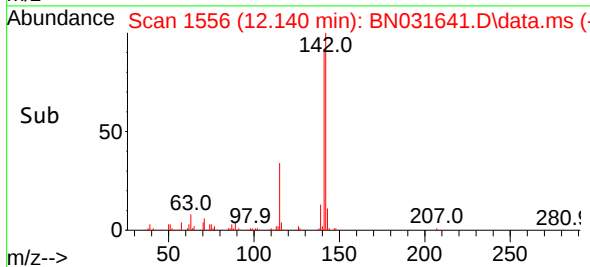
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

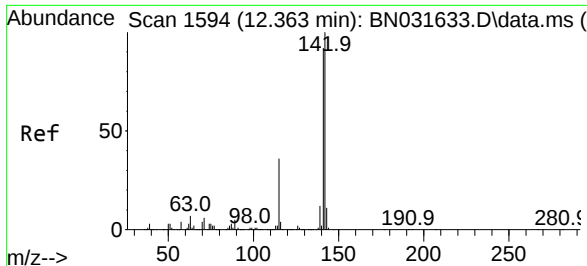


#36
2-Methylnaphthalene
Concen: 1.991 ng/ul
RT: 12.140 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52



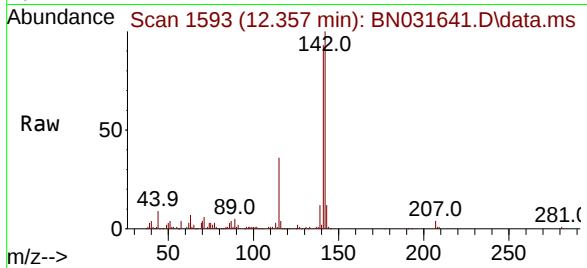
Tgt Ion:142 Resp: 99200
Ion Ratio Lower Upper
142 100
141 92.1 70.5 105.7





#37
1-Methylnaphthalene
Concen: 1.831 ng/ul
RT: 12.357 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

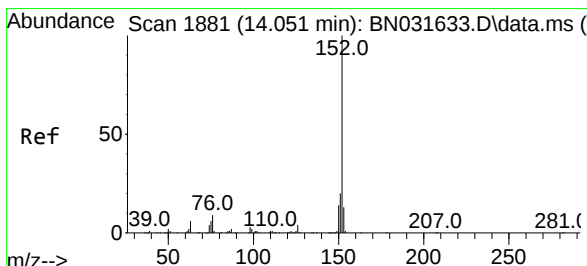
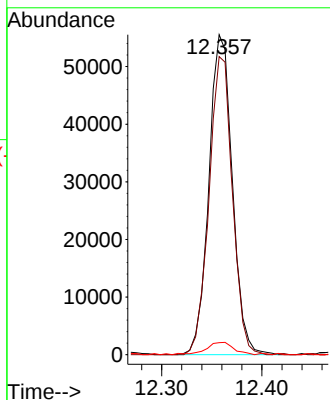
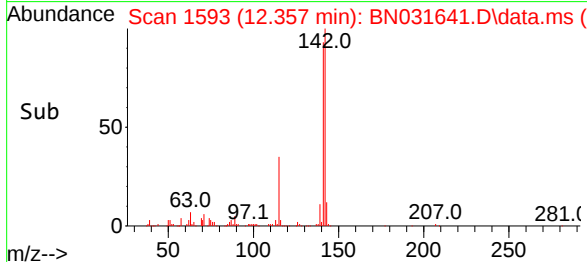
Instrument :
BNA_N
ClientSampleId :
BH5X4



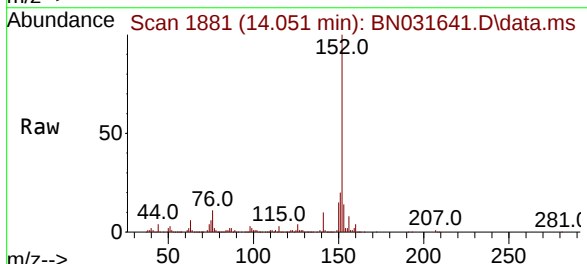
Tgt Ion:142 Resp: 90330
Ion Ratio Lower Upper
142 100
141 93.1 77.0 115.6
116 3.7 3.0 4.6

Manual Integrations
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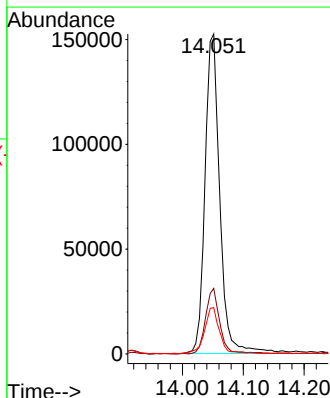
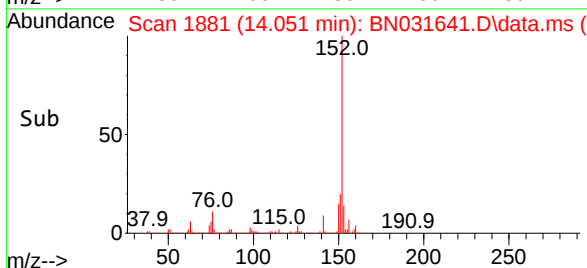
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

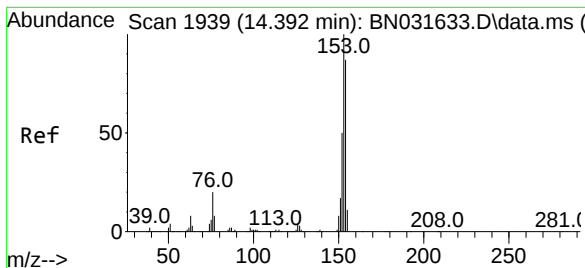


#50
Acenaphthylene
Concen: 3.637 ng/ul
RT: 14.051 min Scan# 1881
Delta R.T. 0.000 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52



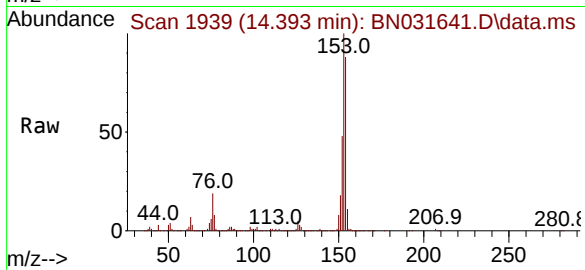
Tgt Ion:152 Resp: 257300
Ion Ratio Lower Upper
152 100
151 20.5 15.6 23.4
153 14.5 10.8 16.2





#52
Acenaphthene
Concen: 8.520 ng/u1
RT: 14.393 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

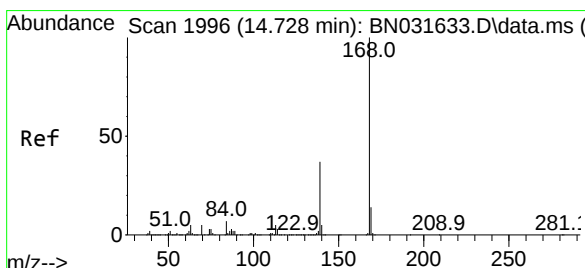
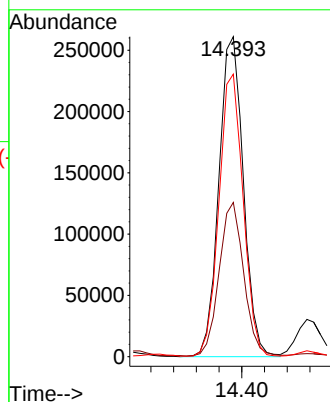
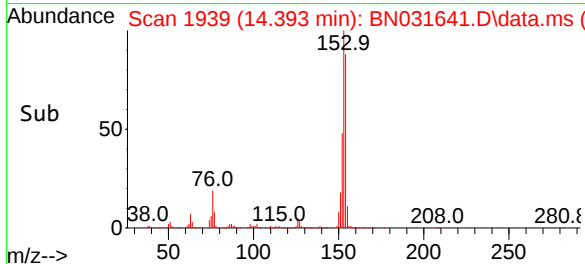
Instrument :
BNA_N
ClientSampleId :
BH5X4



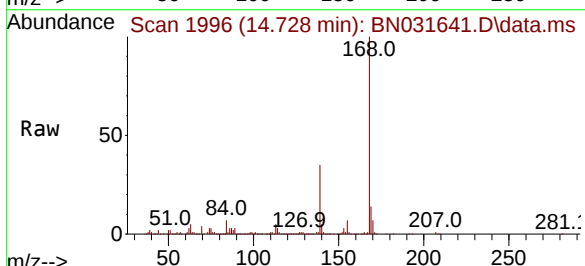
Tgt Ion:153 Resp: 390572
Ion Ratio Lower Upper
153 100
152 48.2 40.5 60.7
154 88.3 76.6 114.8

Manual Integrations
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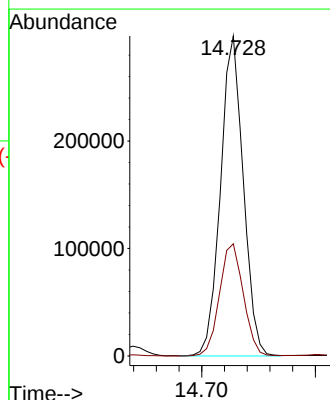
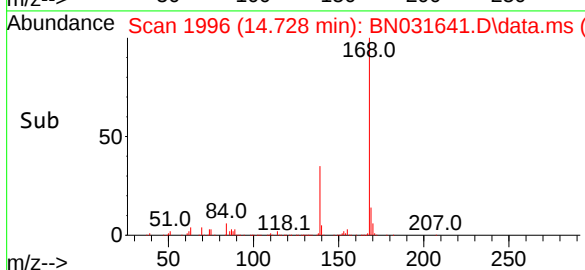
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

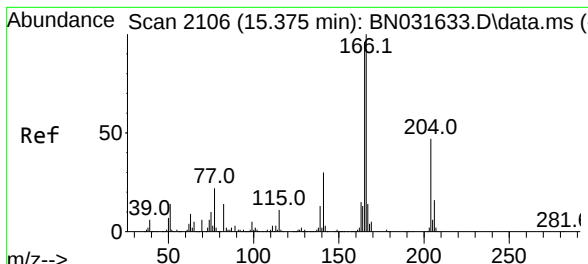


#56
Dibenzofuran
Concen: 6.777 ng/u1
RT: 14.728 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52



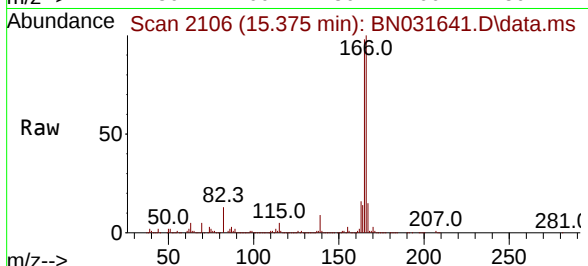
Tgt Ion:168 Resp: 414725
Ion Ratio Lower Upper
168 100
139 35.0 29.2 43.8





#61
Fluorene
Concen: 8.947 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

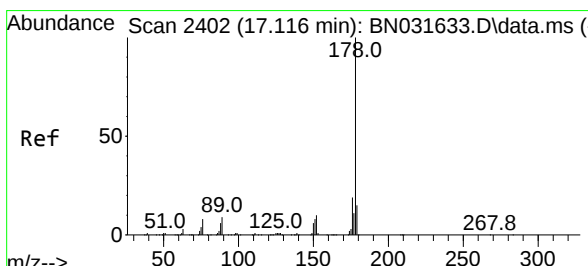
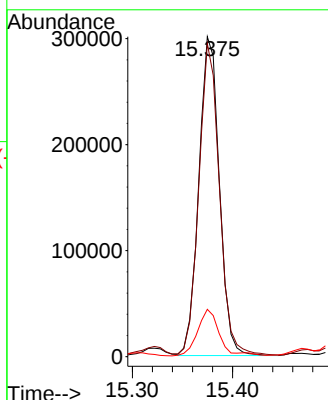
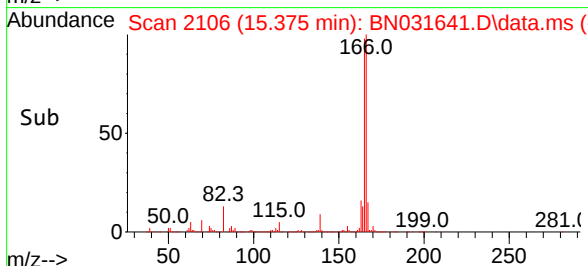
Instrument :
BNA_N
ClientSampleId :
BH5X4



Tgt Ion:166 Resp: 428899
Ion Ratio Lower Upper
166 100
165 97.9 77.0 115.6
167 14.8 10.9 16.3

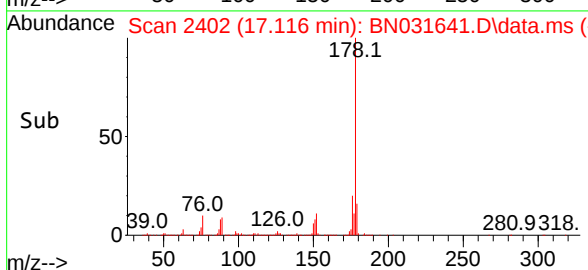
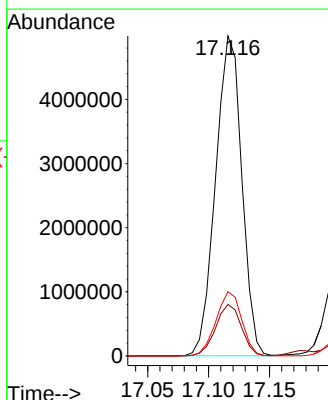
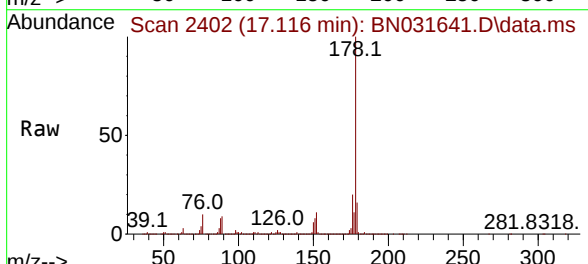
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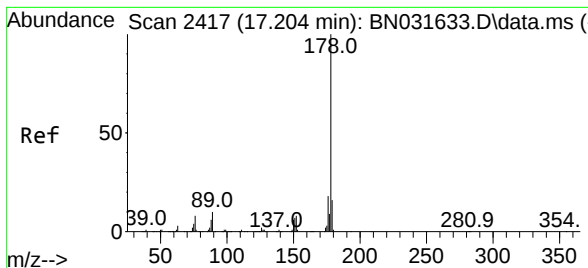
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#72
Phenanthrene
Concen: 97.193 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

Tgt Ion:178 Resp: 7475658
Ion Ratio Lower Upper
178 100
179 16.1 12.6 18.8
176 20.1 15.2 22.8





#74

Anthracene

Concen: 23.370 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BN031641.D

Acq: 23 May 2024 20:52

Instrument :

BNA_N

ClientSampleId :

BH5X4

Tgt Ion:178 Resp: 180347

Ion Ratio Lower Upper

178 100

179 15.9 11.9 17.9

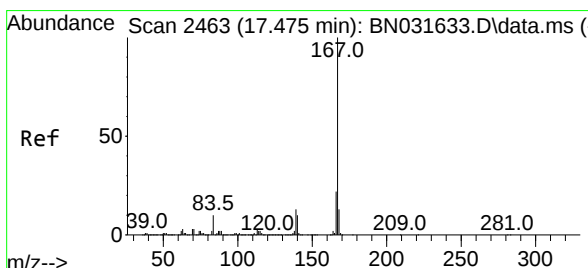
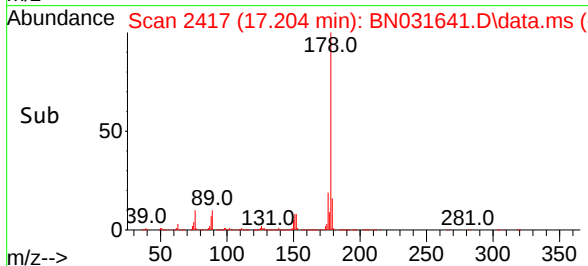
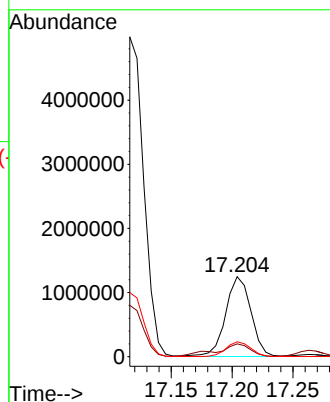
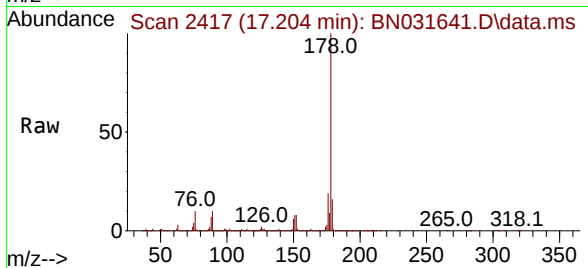
176 18.7 15.4 23.2

Manual Integrations

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#77

Carbazole

Concen: 12.967 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BN031641.D

Acq: 23 May 2024 20:52

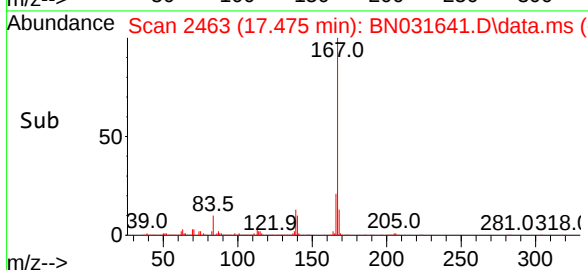
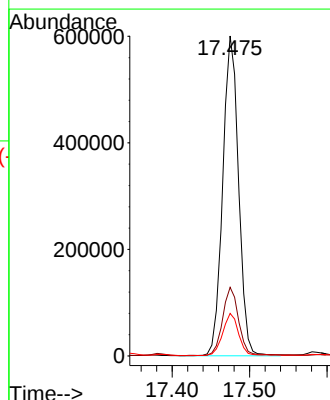
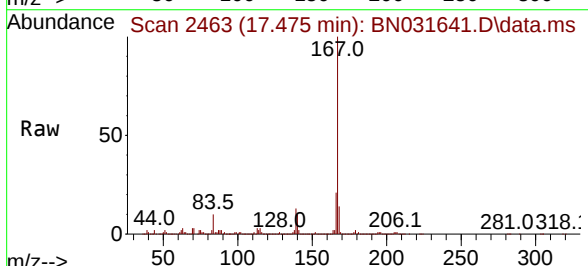
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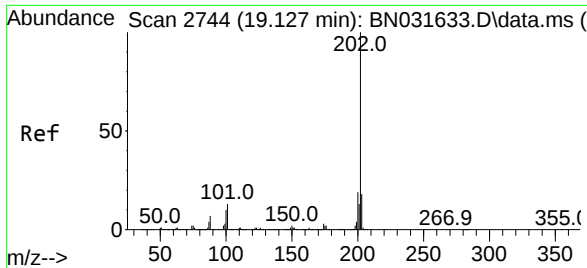
Ion Ratio Lower Upper

167 100

166 21.5 16.7 25.1

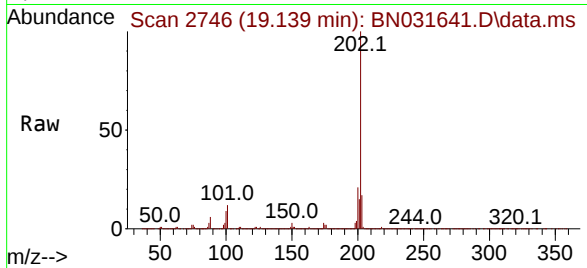
139 13.3 10.5 15.7





#80
Fluoranthene
Concen: 94.904 ng/u1
RT: 19.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

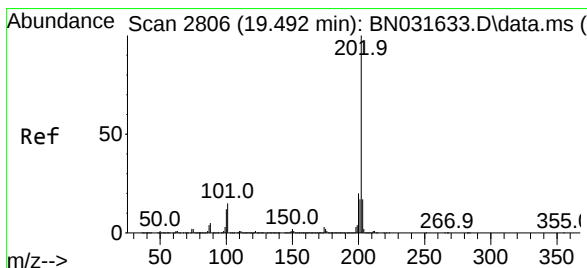
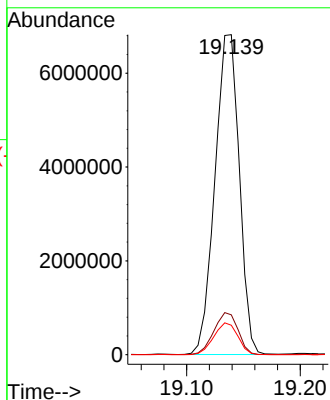
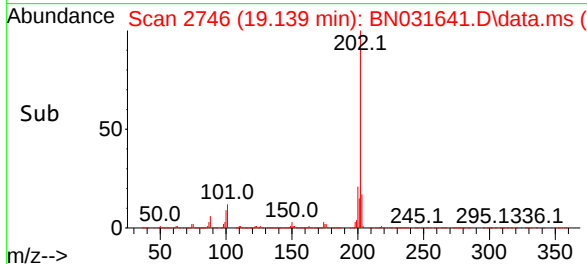
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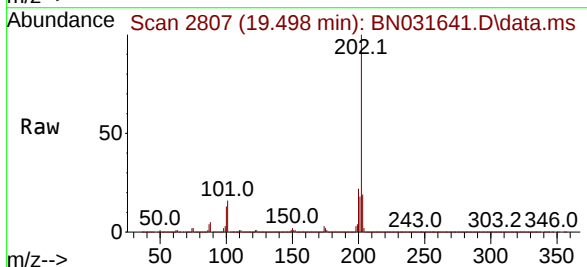
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Ion Ratio Lower Upper
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101 12.5 10.1 15.1
100 9.2 8.0 12.0

Manual Integrations
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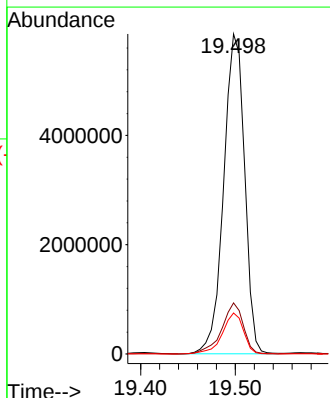
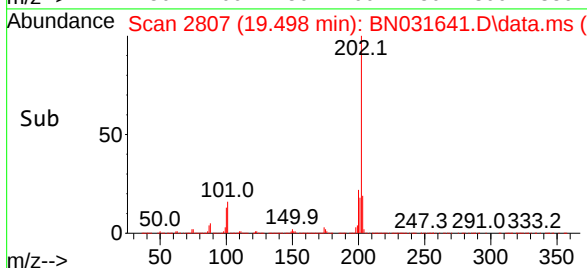
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

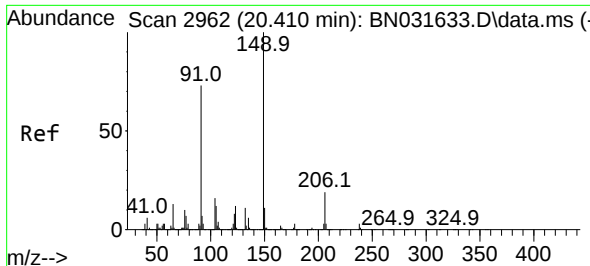


#82
Pyrene
Concen: 81.761 ng/u1
RT: 19.498 min Scan# 2807
Delta R.T. 0.000 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52



Tgt Ion:202 Resp: 8989686
Ion Ratio Lower Upper
202 100
101 15.9 11.4 17.2
100 12.8 9.3 13.9





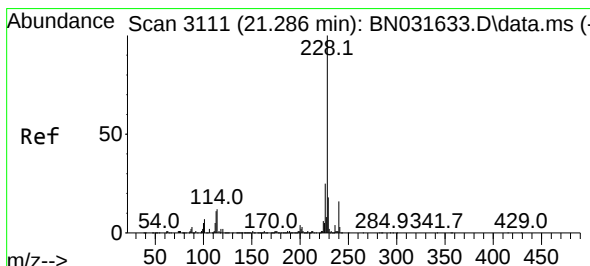
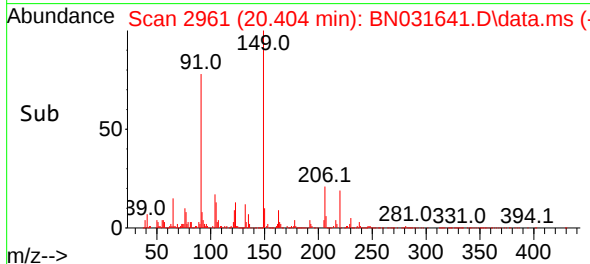
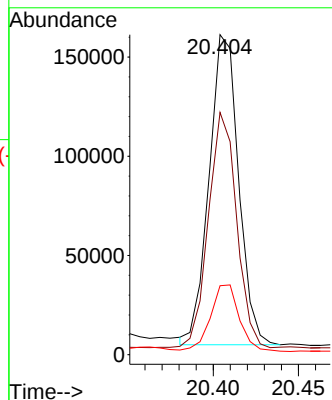
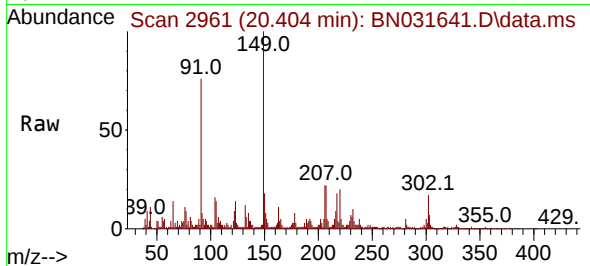
#83
Butylbenzylphthalate
Concen: 5.042 ng/ul
RT: 20.404 min Scan# 2962
Delta R.T. -0.006 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

Instrument :
BNA_N
ClientSampleId :
BH5X4

Tgt Ion:149 Resp: 18815
Ion Ratio Lower Upper
149 100
91 75.7 60.8 91.2
206 21.6 15.8 23.8

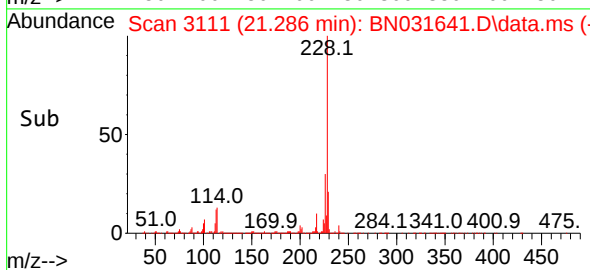
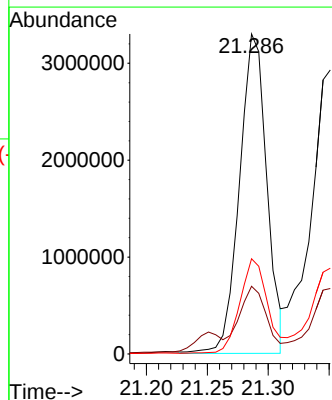
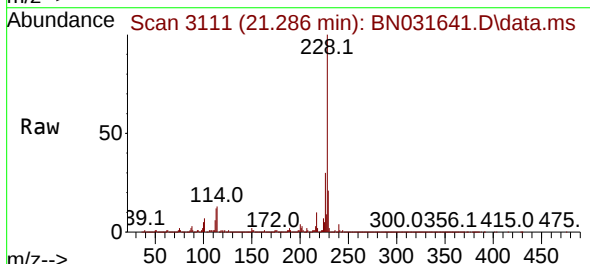
Manual Integrations
APPROVED

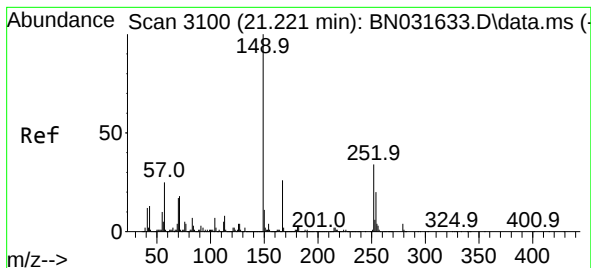
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#85
Benzo(a)anthracene
Concen: 55.311 ng/ul
RT: 21.286 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

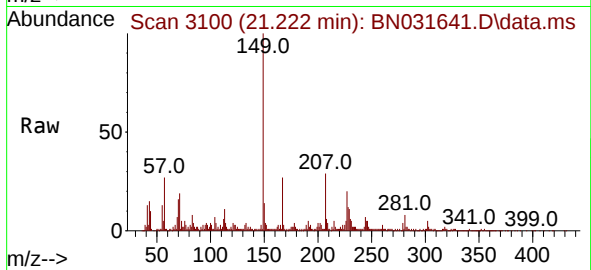
Tgt Ion:228 Resp: 5143335
Ion Ratio Lower Upper
228 100
229 21.1 15.7 23.5
226 29.8 21.9 32.9





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 4.693 ng/ul
 RT: 21.222 min Scan# 3100
 Delta R.T. 0.000 min
 Lab File: BN031641.D
 Acq: 23 May 2024 20:52

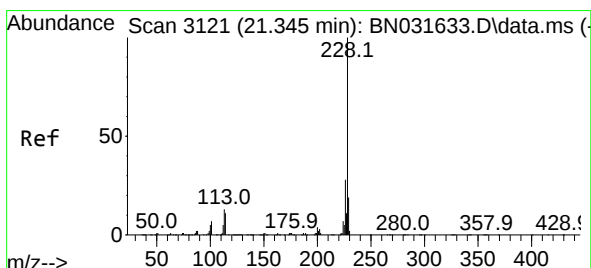
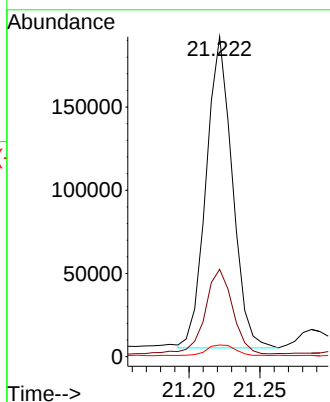
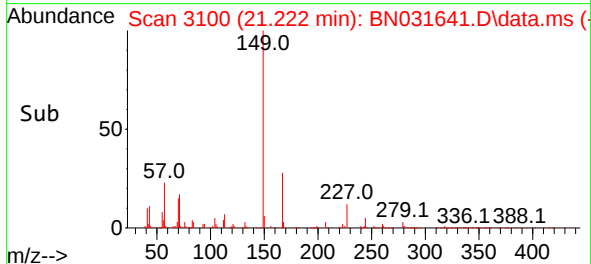
Instrument :
 BNA_N
 ClientSampleId :
 BH5X4



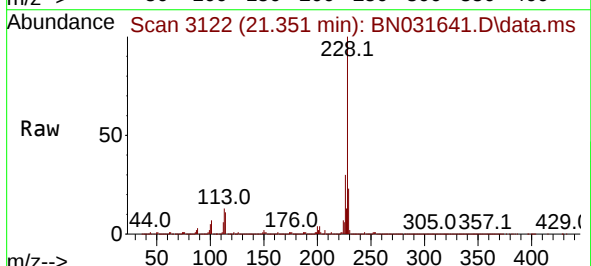
Tgt Ion:149 Resp: 239788
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.6 32.4
 279 3.7 2.8 4.2

Manual Integrations
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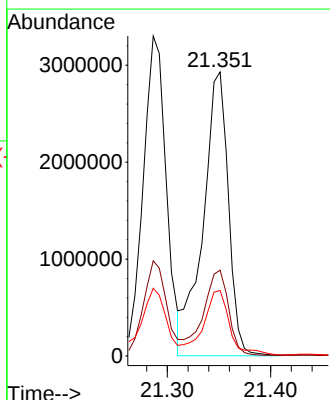
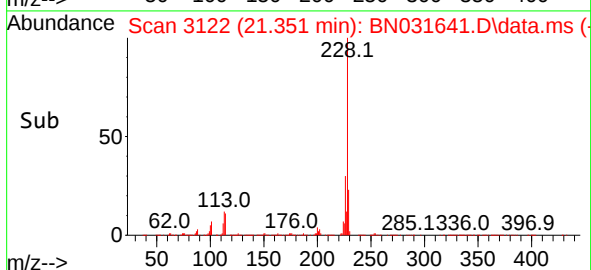
Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

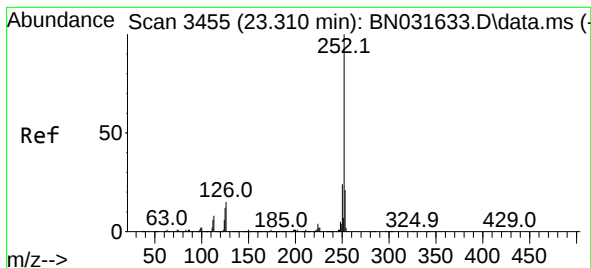


#87
 Chrysene
 Concen: 58.294 ng/ul m
 RT: 21.351 min Scan# 3122
 Delta R.T. 0.006 min
 Lab File: BN031641.D
 Acq: 23 May 2024 20:52



Tgt Ion:228 Resp: 5007204
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.9 34.3
 229 23.0 15.2 22.8#





#90

Benzo(b)fluoranthene

Concen: 65.374 ng/ul

RT: 23.321 min Scan# 3455

Delta R.T. 0.012 min

Lab File: BN031641.D

Acq: 23 May 2024 20:52

Instrument :

BNA_N

ClientSampleId :

BH5X4

Tgt Ion:252 Resp: 6758930

Ion Ratio Lower Upper

252 100

253 21.7 16.8 25.2

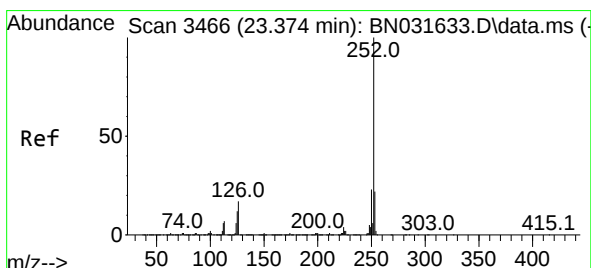
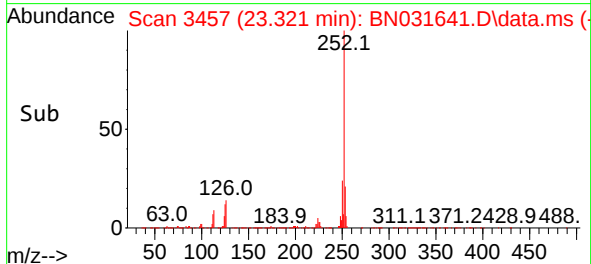
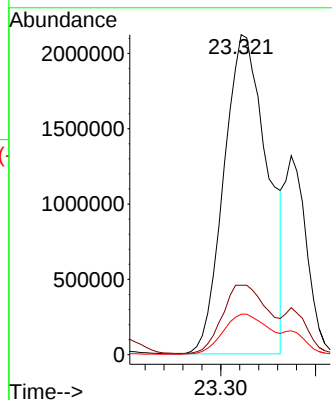
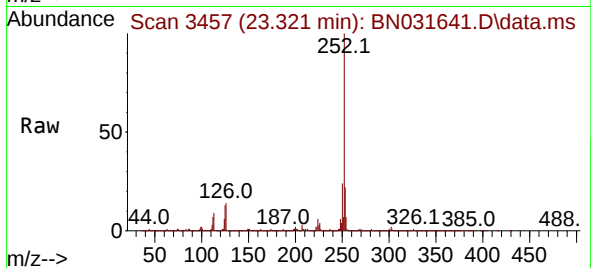
125 12.7 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/25/2024



#91

Benzo(k)fluoranthene

Concen: 19.740 ng/ul

RT: 23.374 min Scan# 3466

Delta R.T. 0.006 min

Lab File: BN031641.D

Acq: 23 May 2024 20:52

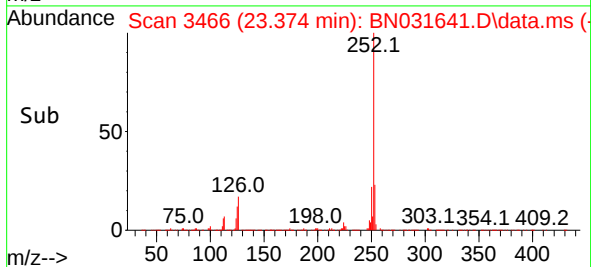
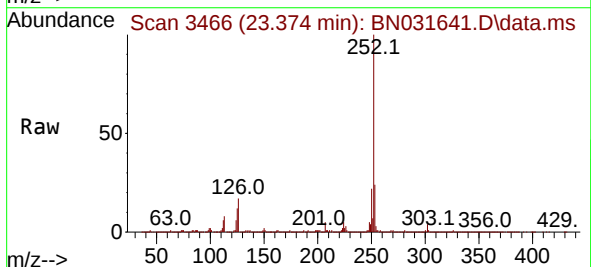
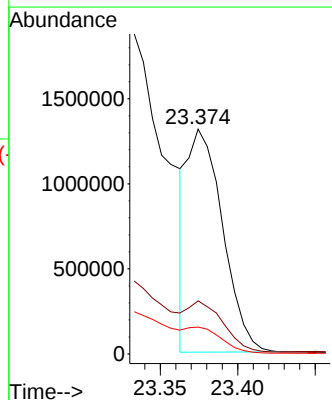
Tgt Ion:252 Resp: 2080432

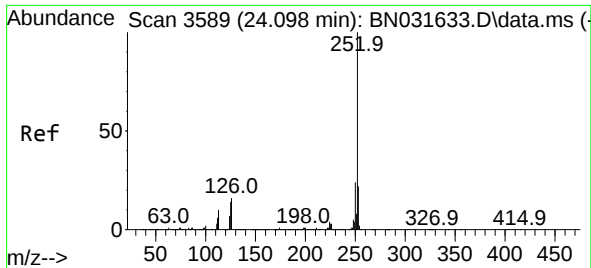
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

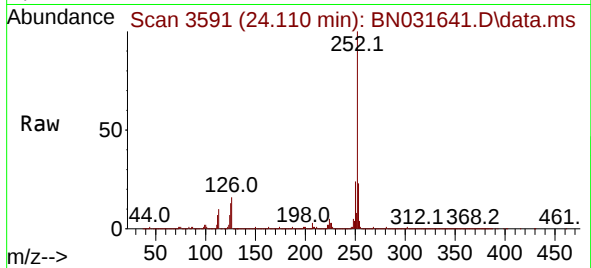
125 12.0 9.3 13.9





#93
Benzo(a)pyrene
Concen: 49.367 ng/ul
RT: 24.110 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52

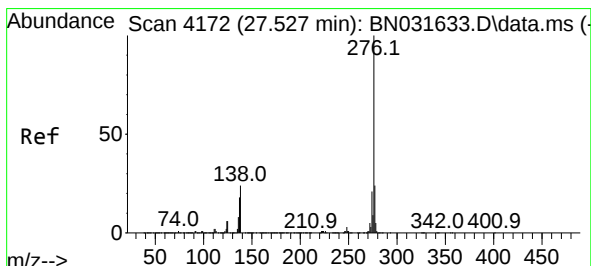
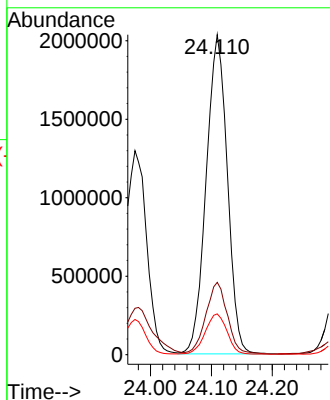
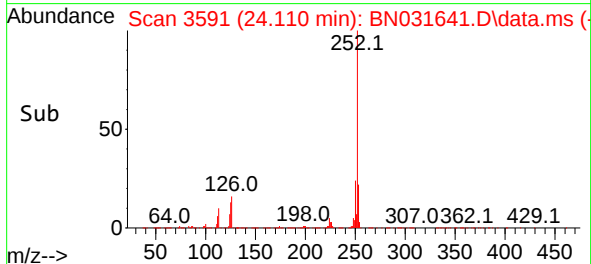
Instrument :
BNA_N
ClientSampleId :
BH5X4



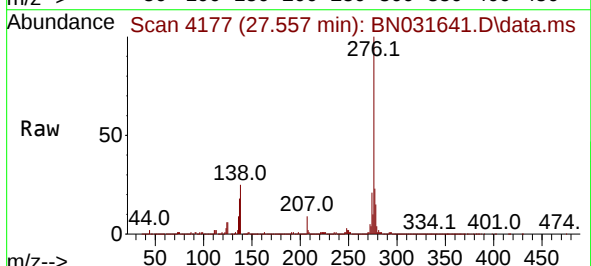
Tgt Ion:252 Resp: 490278
Ion Ratio Lower Upper
252 100
253 22.6 16.6 24.8
125 12.8 9.8 14.8

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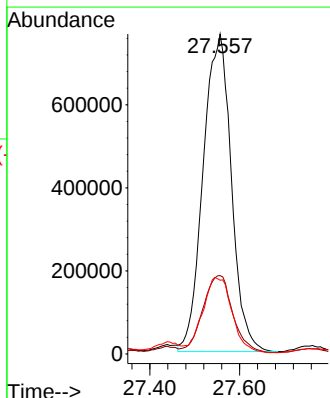
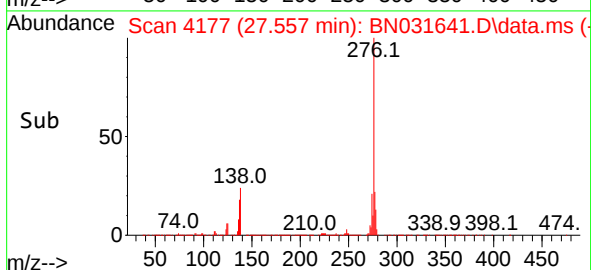
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

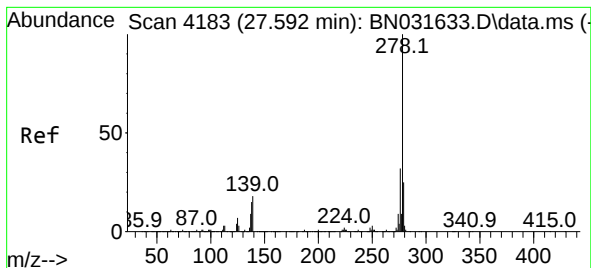


#94
Indeno(1,2,3-cd)pyrene
Concen: 27.974 ng/ul
RT: 27.557 min Scan# 4177
Delta R.T. 0.024 min
Lab File: BN031641.D
Acq: 23 May 2024 20:52



Tgt Ion:276 Resp: 3334376
Ion Ratio Lower Upper
276 100
138 24.5 19.8 29.6
277 23.0 18.2 27.4





#95

Dibenzo(a,h)anthracene

Concen: 8.871 ng/ul

RT: 27.586 min Scan# 4183

Delta R.T. -0.006 min

Lab File: BN031641.D

Acq: 23 May 2024 20:52

Instrument :

BNA_N

ClientSampleId :

BH5X4

Tgt Ion:278 Resp: 870729

Ion Ratio Lower Upper

278 100

139 20.1 15.2 22.8

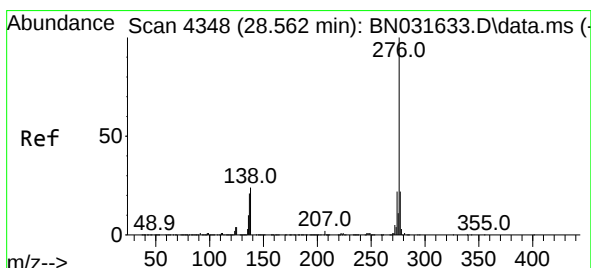
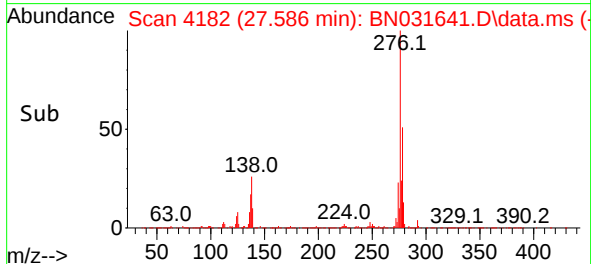
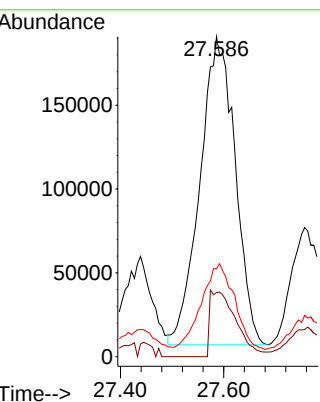
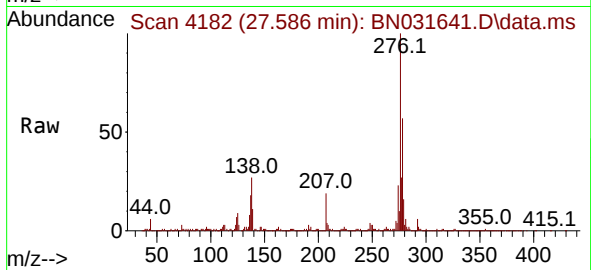
279 27.5 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/25/2024



#96

Benzo(g,h,i)perylene

Concen: 31.801 ng/ul

RT: 28.580 min Scan# 4351

Delta R.T. 0.024 min

Lab File: BN031641.D

Acq: 23 May 2024 20:52

Tgt Ion:276 Resp: 3131672

Ion Ratio Lower Upper

276 100

138 25.4 19.5 29.3

277 24.0 17.6 26.4

