

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
 Data File : BN031213.D
 Acq On : 25 Apr 2024 08:05
 Operator : MA/JU
 Sample : P2104-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 08:42:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	226628	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	995303	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	636887	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.033	188	1265223	20.000	ng/u1	0.00
79) Chrysene-d12	21.274	240	1073492	20.000	ng/u1	0.00
88) Perylene-d12	24.186	264	1189558	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	17668	3.642	ng/uL	0.00
4) Pyridine-d5	3.552	84	196932	14.097	ng/u1	0.00
7) Phenol-d5	6.810	99	447048	23.384	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	252512	22.702	ng/u1	0.00
11) 2-Chlorophenol-d4	7.163	132	372480	25.023	ng/u1	0.00
15) 4-Methylphenol-d8	8.340	113	329452	20.491	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	185101	25.884	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	200355	26.953	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	363056	24.767	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	383595	16.745	ng/u1	0.00
46) Dimethylphthalate-d6	13.698	166	1130869	25.516	ng/u1	0.00
49) Acenaphthylene-d8	13.975	160	1356396	27.008	ng/u1	0.00
54) 4-Nitrophenol-d4	14.504	143	183380	19.824	ng/u1	0.01
60) Fluorene-d10	15.281	176	1020196	26.443	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.410	200	33064	5.180	ng/u1	0.00
73) Anthracene-d10	17.133	188	1519624	27.711	ng/u1	0.00
81) Pyrene-d10	19.439	212	1748585	33.148	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.986	264	1568974	27.814	ng/u1	0.01
Target Compounds						
					Qvalue	
8) Phenol	6.840	94	28669	1.455	ng/u1	99
16) Acetophenone	8.452	105	121087	4.861	ng/u1	96
36) 2-Methylnaphthalene	12.081	142	40574	1.115	ng/u1	94
50) Acenaphthylene	14.004	152	147504	2.514	ng/u1	97
52) Acenaphthene	14.345	153	84004	2.160	ng/u1	96
56) Dibenzofuran	14.681	168	127616	2.373	ng/u1	98
61) Fluorene	15.334	166	203315	4.595	ng/u1	99
72) Phenanthrene	17.081	178	2017838	30.153	ng/u1	99
74) Anthracene	17.169	178	523072	7.724	ng/u1	98
77) Carbazole	17.445	167	102778	1.661	ng/u1#	80
80) Fluoranthene	19.104	202	2111275	33.817	ng/u1	99
82) Pyrene	19.469	202	1701590	25.940	ng/u1	98
85) Benzo(a)anthracene	21.263	228	791898	10.863	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.180	149	55864	1.285	ng/u1#	95
87) Chrysene	21.316	228	750584	10.847	ng/u1	94
90) Benzo(b)fluoranthene	23.268	252	984709	14.712	ng/u1#	95
91) Benzo(k)fluoranthene	23.321	252	389693m	5.789	ng/u1	
93) Benzo(a)pyrene	24.051	252	632113	9.467	ng/u1#	94
94) Indeno(1,2,3-cd)pyrene	27.445	276	436311	5.266	ng/u1	96
95) Dibenzo(a,h)anthracene	27.480	278	120408	1.771	ng/u1#	76
96) Benzo(g,h,i)perylene	28.456	276	317795	4.763	ng/u1	98

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

Instrument :

BN_A_N

ClientSampleId :

C0AA8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024

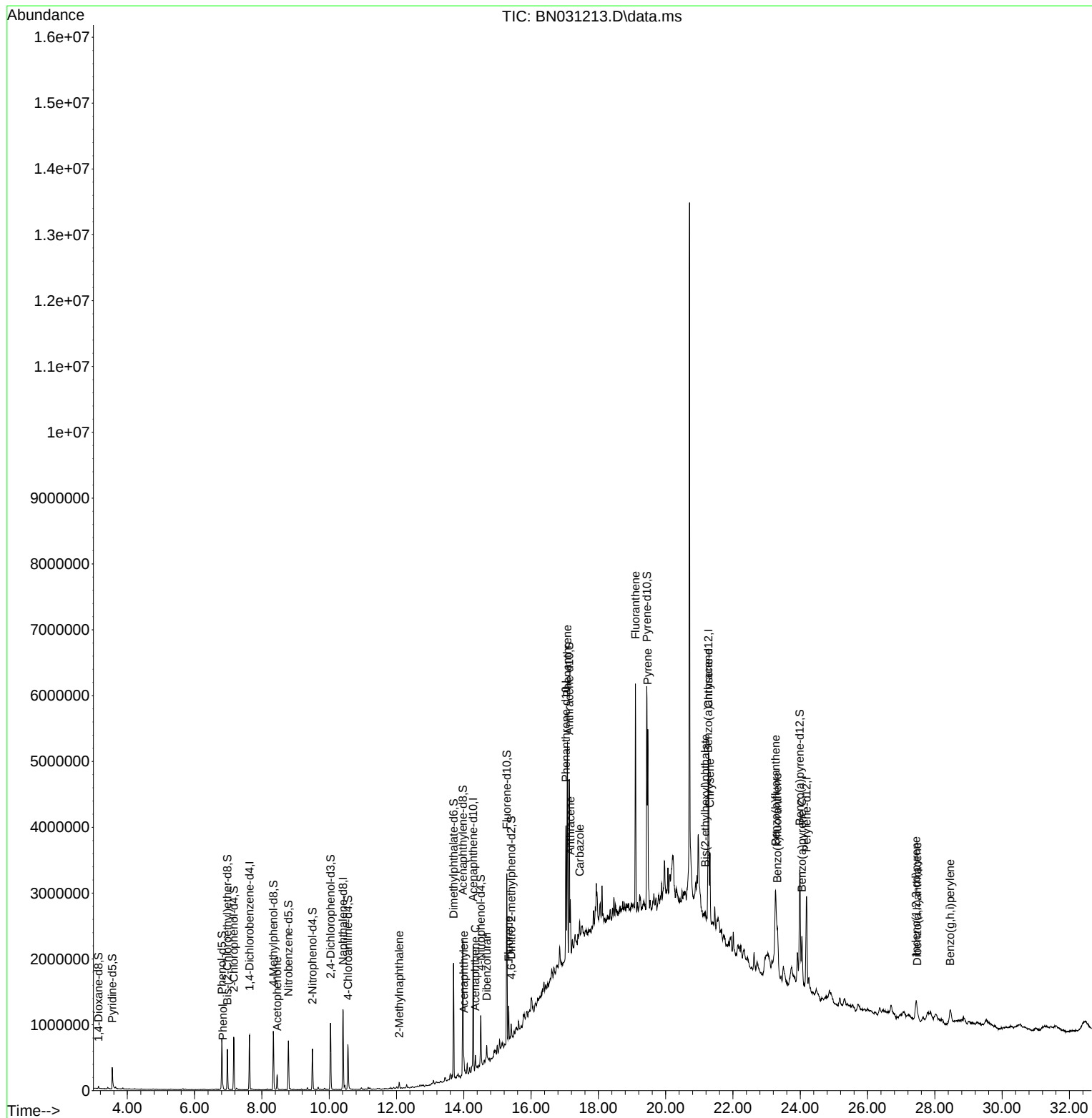
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
 Data File : BN031213.D
 Acq On : 25 Apr 2024 08:05
 Operator : MA/JU
 Sample : P2104-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

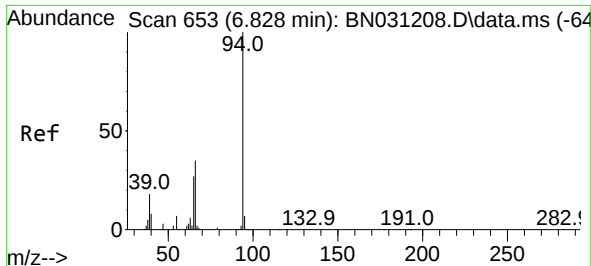
Instrument :
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 ClientSampleId :
 C0AA8

Manual Integrations APPROVED

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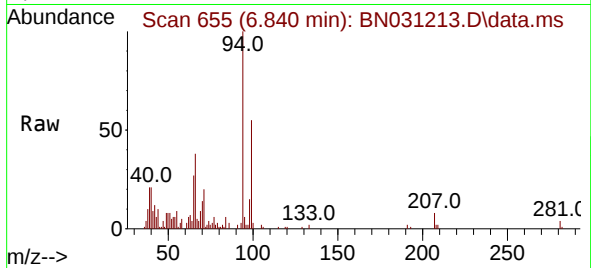
Quant Time: Apr 25 08:42:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration





#8
Phenol
Concen: 1.455 ng/u1
RT: 6.840 min Scan# 653
Delta R.T. 0.006 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

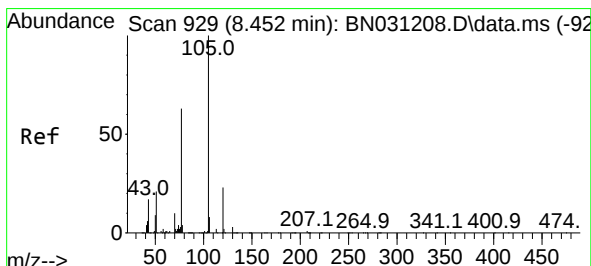
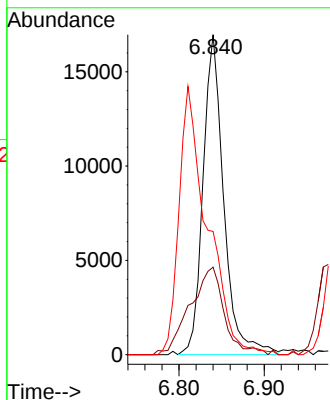
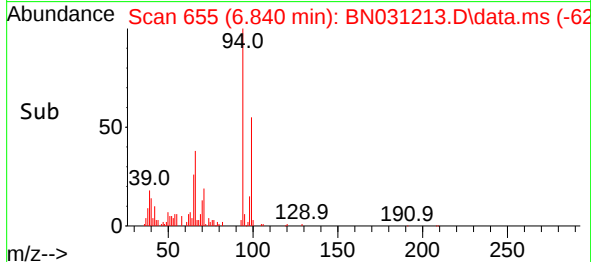
Instrument :
BNA_N
ClientSampleId :
C0AA8



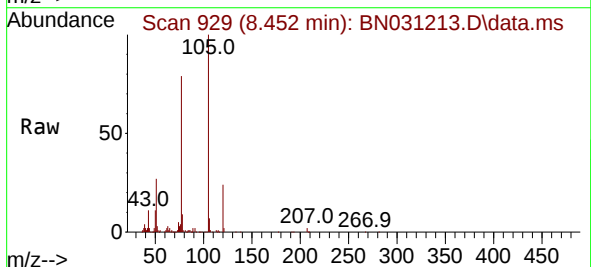
Tgt Ion: 94 Resp: 28669
Ion Ratio Lower Upper
94 100
65 27.4 22.0 33.0
66 38.5 29.8 44.6

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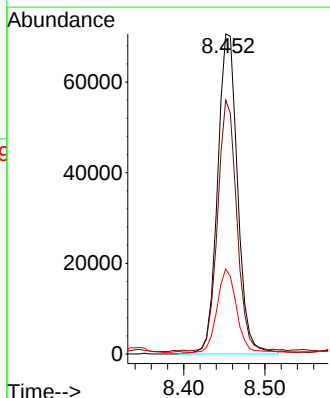
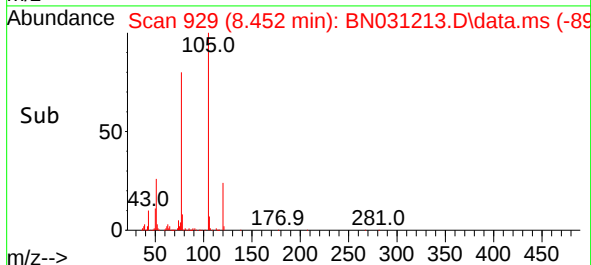
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

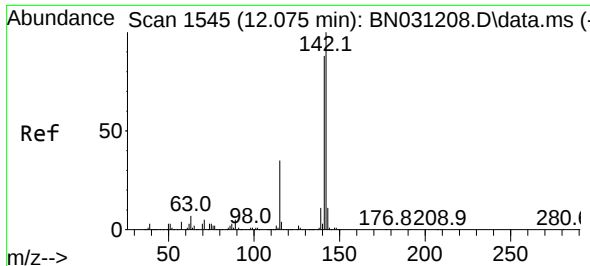


#16
Acetophenone
Concen: 4.861 ng/u1
RT: 8.452 min Scan# 929
Delta R.T. -0.006 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05



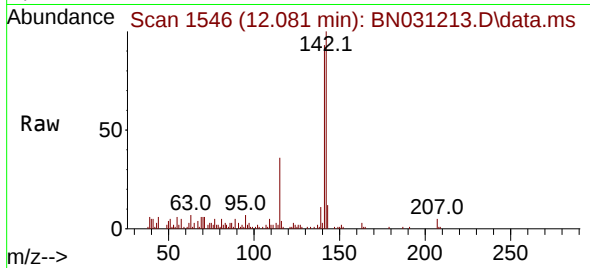
Tgt Ion:105 Resp: 121087
Ion Ratio Lower Upper
105 100
77 79.3 60.2 90.4
51 26.6 20.6 31.0





#36
2-Methylnaphthalene
Concen: 1.115 ng/ul
RT: 12.081 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

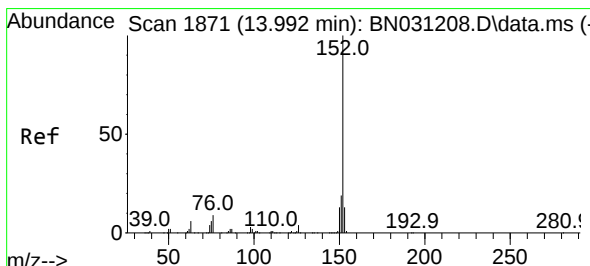
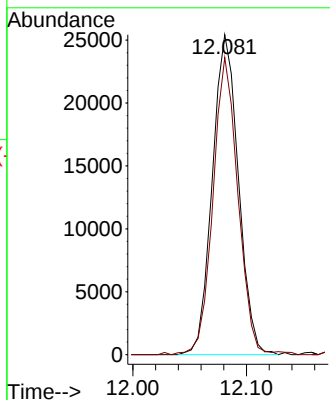
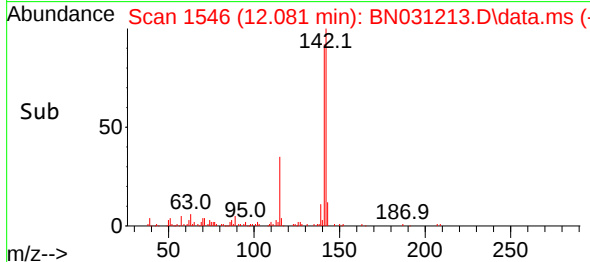
Instrument :
BNA_N
ClientSampleId :
C0AA8



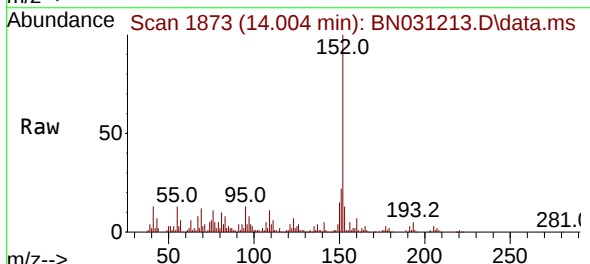
Tgt Ion:142 Resp: 40574
Ion Ratio Lower Upper
142 100
141 92.8 69.6 104.4

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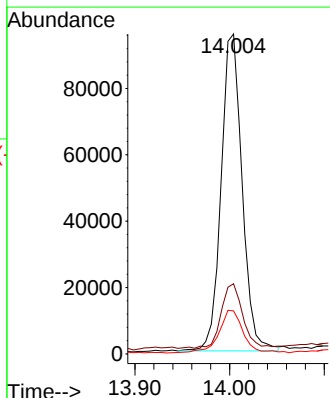
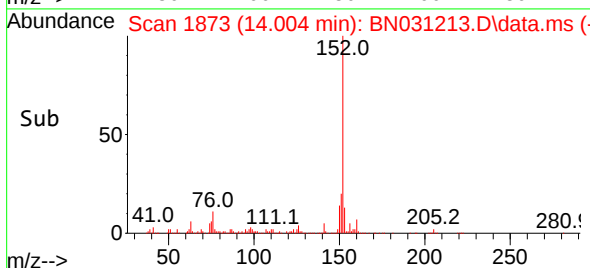
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

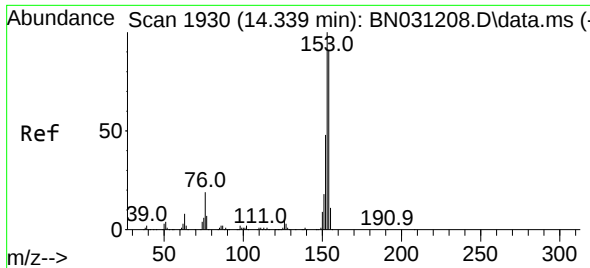


#50
Acenaphthylene
Concen: 2.514 ng/ul
RT: 14.004 min Scan# 1873
Delta R.T. -0.000 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05



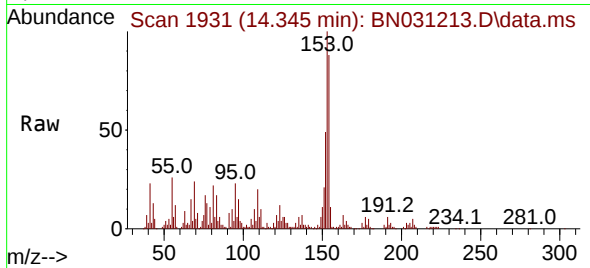
Tgt Ion:152 Resp: 147504
Ion Ratio Lower Upper
152 100
151 21.9 15.8 23.8
153 13.5 10.5 15.7





#52
Acenaphthene
Concen: 2.160 ng/ul
RT: 14.345 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

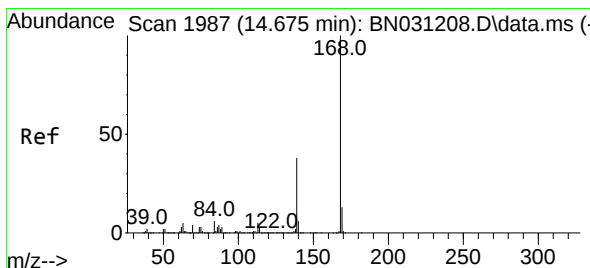
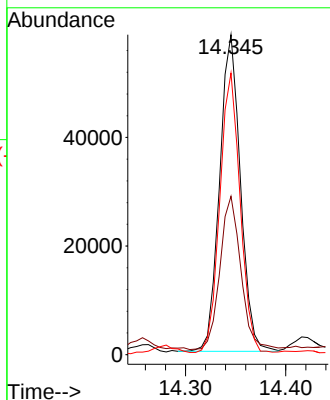
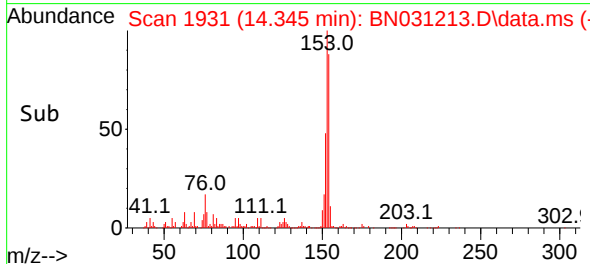
Instrument :
BNA_N
ClientSampleId :
C0AA8



Tgt Ion:153 Resp: 84004
Ion Ratio Lower Upper
153 100
152 49.5 36.3 54.5
154 88.0 72.4 108.6

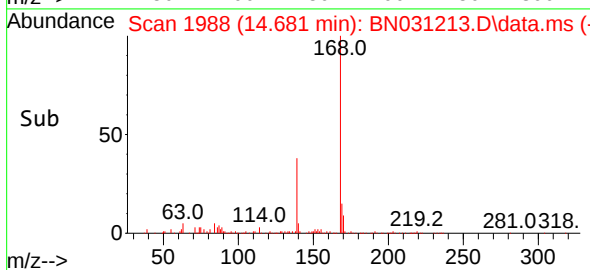
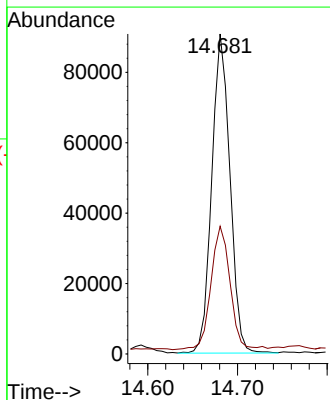
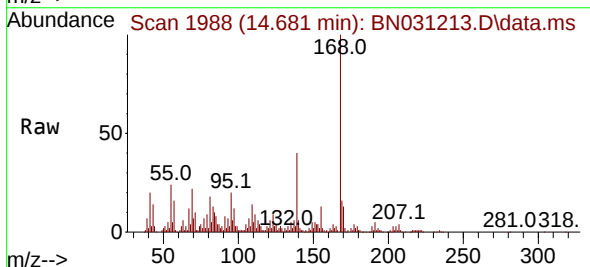
Manual Integrations
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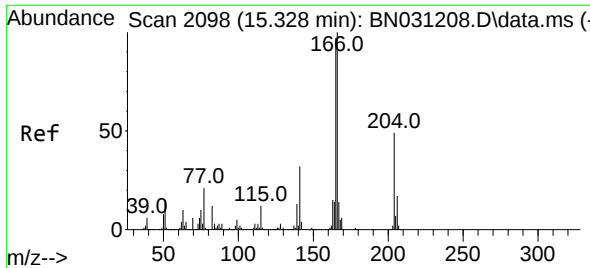
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#56
Dibenzofuran
Concen: 2.373 ng/ul
RT: 14.681 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

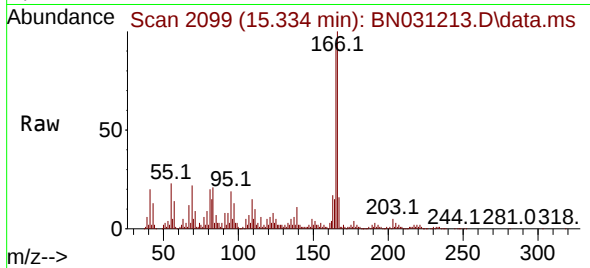
Tgt Ion:168 Resp: 127616
Ion Ratio Lower Upper
168 100
139 39.9 31.0 46.6





#61
Fluorene
Concen: 4.595 ng/u1
RT: 15.334 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

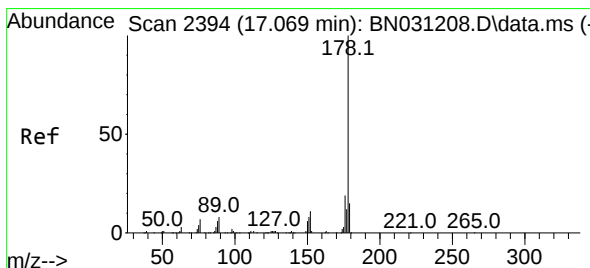
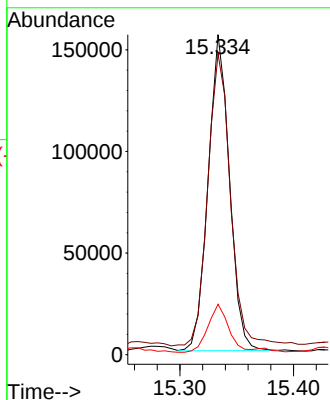
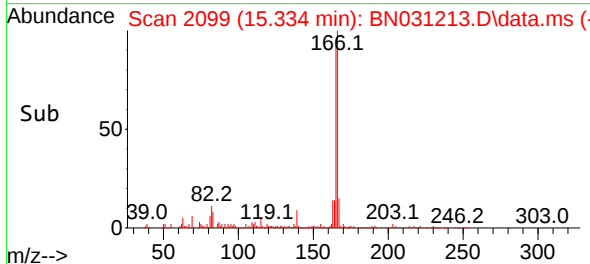
Instrument :
BNA_N
ClientSampleId :
C0AA8



Tgt Ion:166 Resp: 203315
Ion Ratio Lower Upper
166 100
165 94.0 74.6 112.0
167 15.8 10.6 16.0

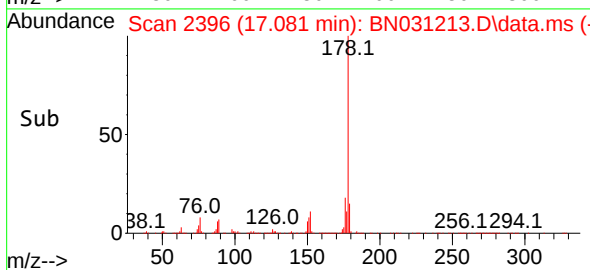
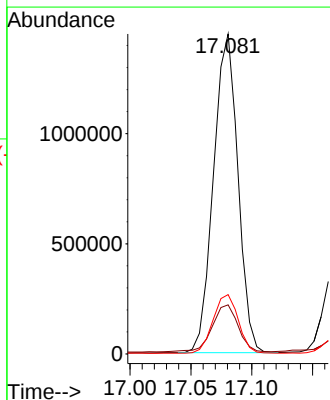
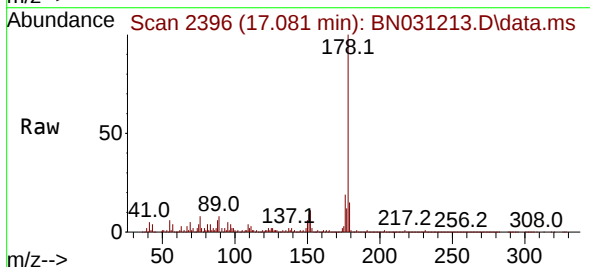
Manual Integrations
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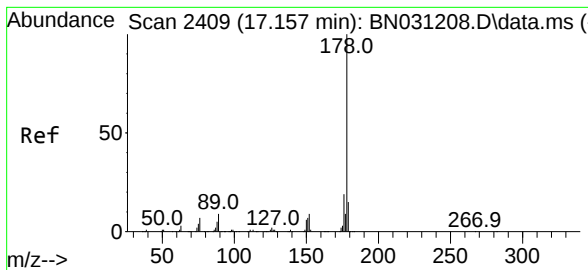
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#72
Phenanthrene
Concen: 30.153 ng/u1
RT: 17.081 min Scan# 2396
Delta R.T. 0.006 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

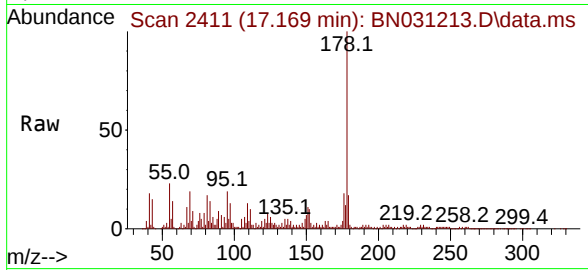
Tgt Ion:178 Resp: 2017838
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 18.6 14.6 21.8





#74
 Anthracene
 Concen: 7.724 ng/ul
 RT: 17.169 min Scan# 2411
 Delta R.T. -0.000 min
 Lab File: BN031213.D
 Acq: 25 Apr 2024 08:05

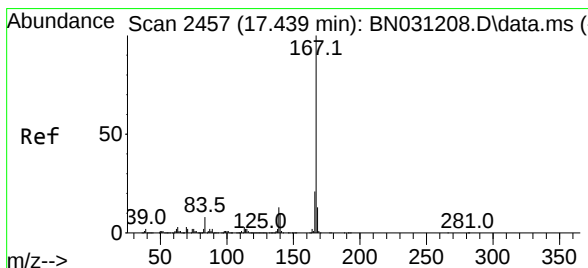
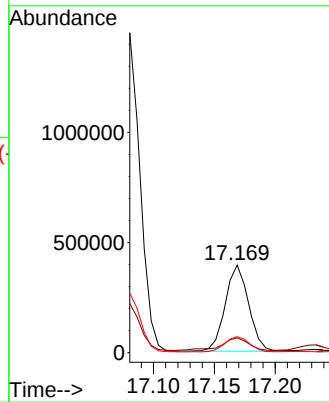
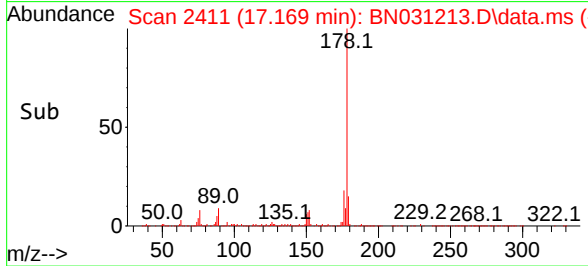
Instrument :
 BNA_N
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 C0AA8



Tgt Ion:178 Resp: 523072
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.2 18.4
 176 18.3 14.4 21.6

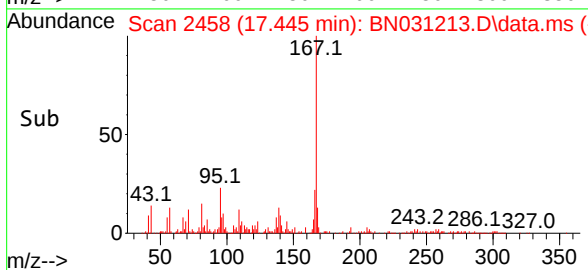
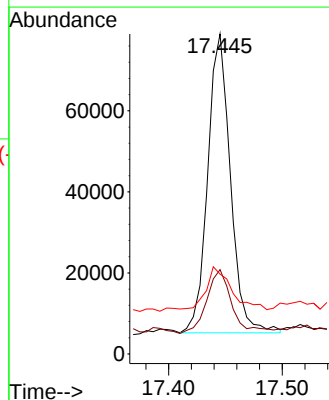
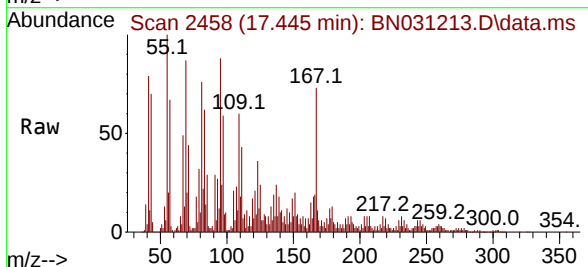
Manual Integrations
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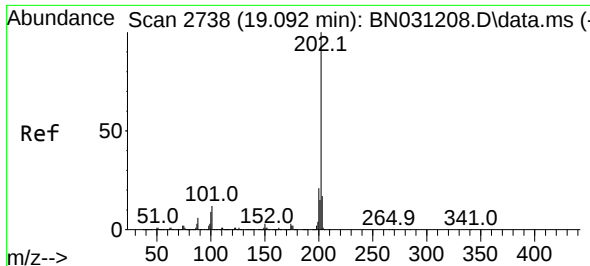
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#77
 Carbazole
 Concen: 1.661 ng/ul
 RT: 17.445 min Scan# 2458
 Delta R.T. 0.006 min
 Lab File: BN031213.D
 Acq: 25 Apr 2024 08:05

Tgt Ion:167 Resp: 102778
 Ion Ratio Lower Upper
 167 100
 166 26.4 16.2 24.2#
 139 25.0 10.6 15.8#





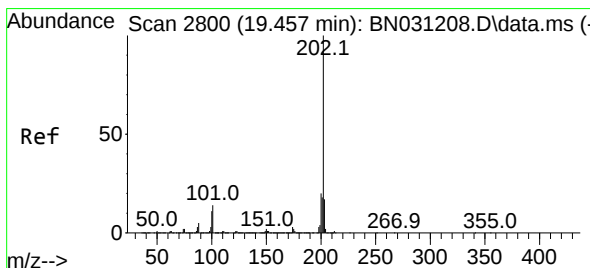
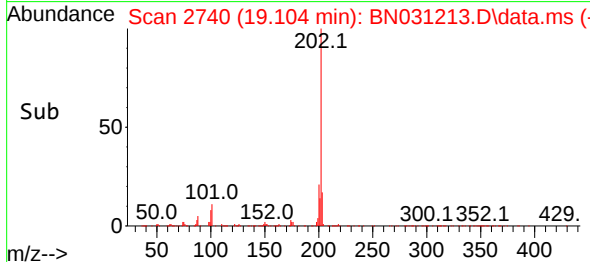
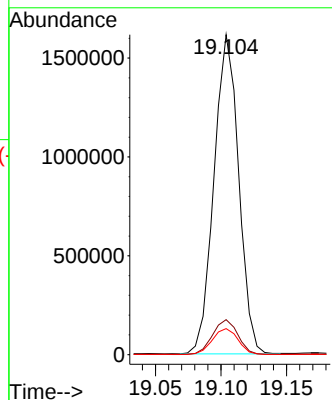
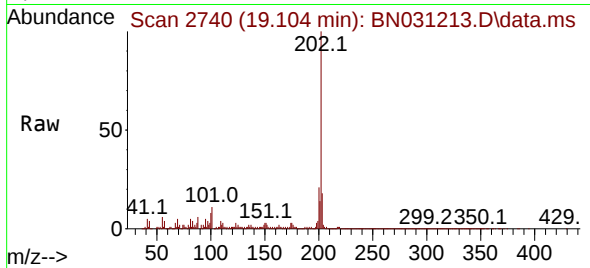
#80
Fluoranthene
Concen: 33.817 ng/u1
RT: 19.104 min Scan# 211127
Delta R.T. 0.006 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

Instrument :
BNA_N
ClientSampleId :
C0AA8

Tgt Ion:202 Resp: 211127
Ion Ratio Lower Upper
202 100
101 10.9 9.0 13.6
100 8.1 6.9 10.3

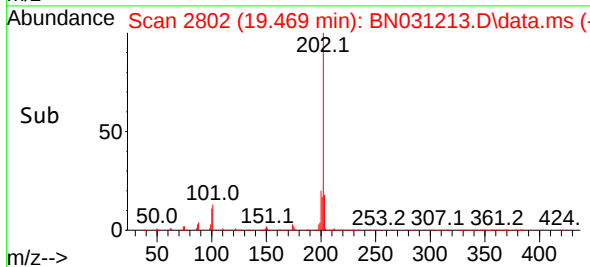
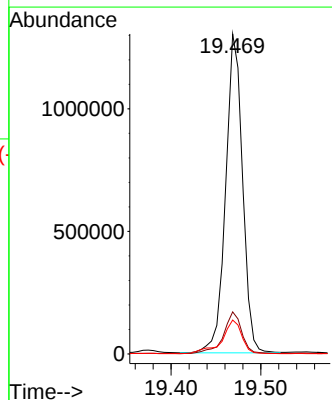
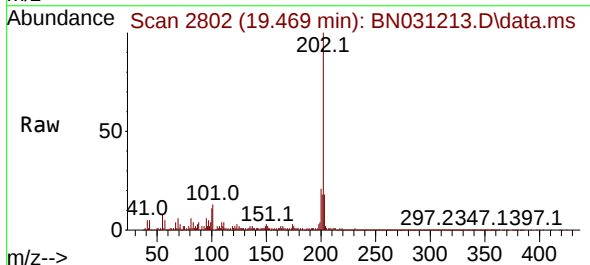
Manual Integrations
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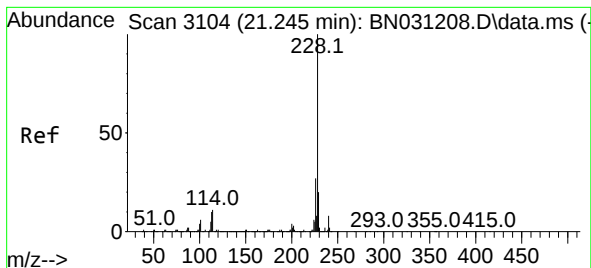
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#82
Pyrene
Concen: 25.940 ng/u1
RT: 19.469 min Scan# 2802
Delta R.T. 0.006 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

Tgt Ion:202 Resp: 1701590
Ion Ratio Lower Upper
202 100
101 13.1 11.1 16.7
100 10.6 9.3 13.9





#85

Benzo(a)anthracene

Concen: 10.863 ng/u1

RT: 21.263 min Scan# 3104

Delta R.T. 0.012 min

Lab File: BN031213.D

Acq: 25 Apr 2024 08:05

Instrument :

BNA_N

ClientSampleId :

C0AA8

Tgt Ion:228 Resp: 791898

Ion Ratio Lower Upper

228 100

229 21.0 16.7 25.1

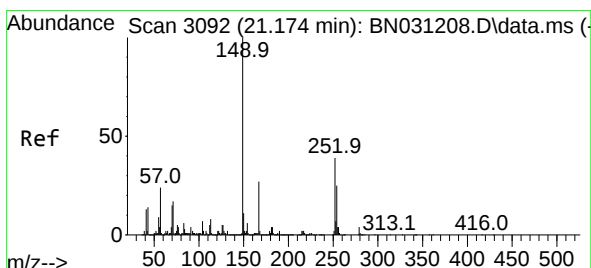
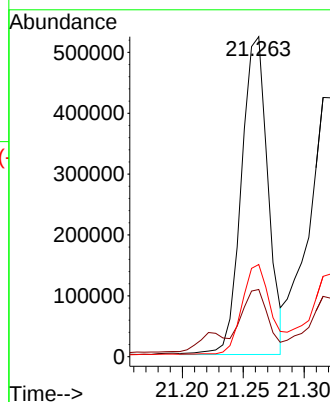
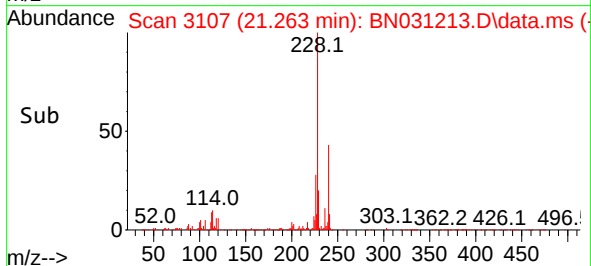
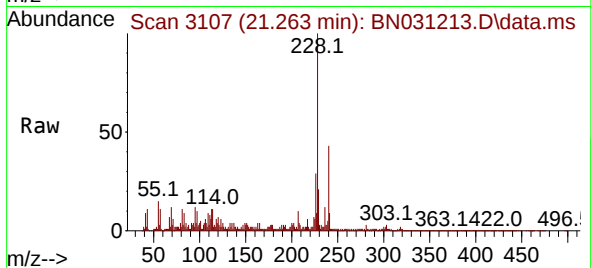
226 28.8 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.285 ng/u1

RT: 21.180 min Scan# 3093

Delta R.T. -0.000 min

Lab File: BN031213.D

Acq: 25 Apr 2024 08:05

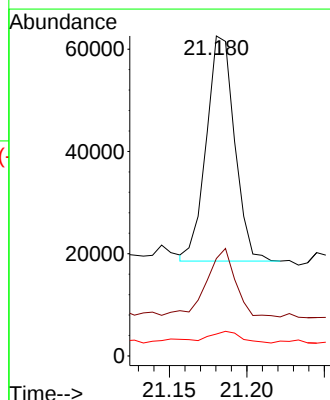
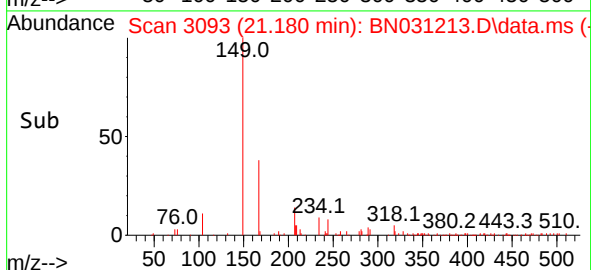
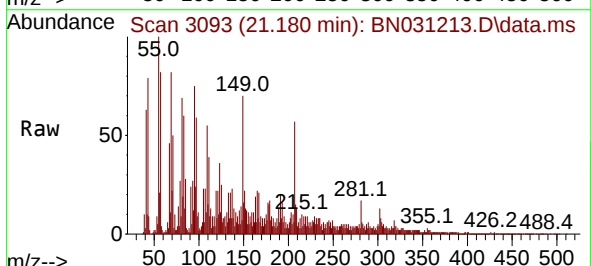
Tgt Ion:149 Resp: 55864

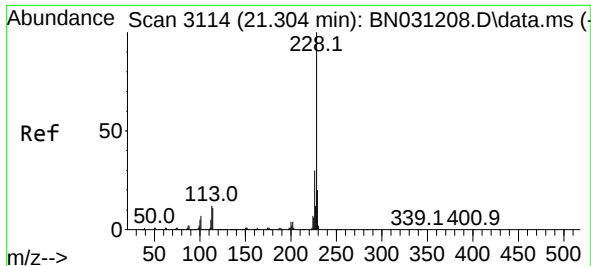
Ion Ratio Lower Upper

149 100

167 30.5 22.3 33.5

279 6.9 3.0 4.6#





#87

Chrysene

Concen: 10.847 ng/ul

RT: 21.316 min Scan# 3116

Delta R.T. 0.006 min

Lab File: BN031213.D

Acq: 25 Apr 2024 08:05

Instrument :

BNA_N

ClientSampleId :

C0AA8

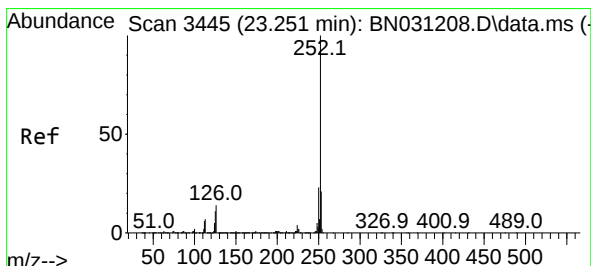
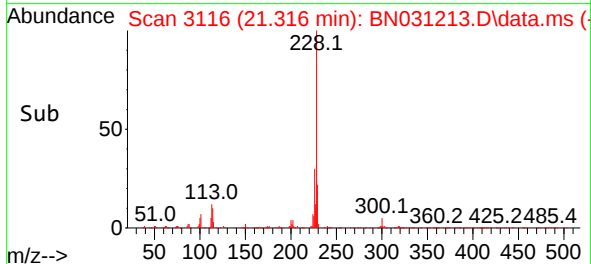
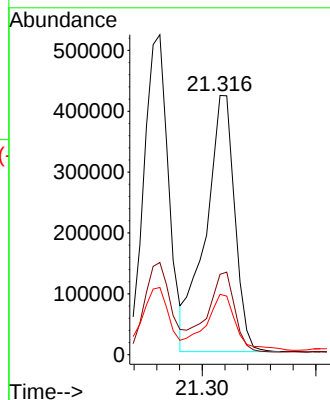
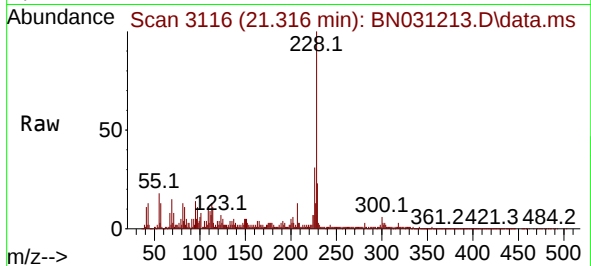
Tgt Ion:228 Resp: 750584
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.6 34.0
 229 23.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#90

Benzo(b)fluoranthene

Concen: 14.712 ng/ul

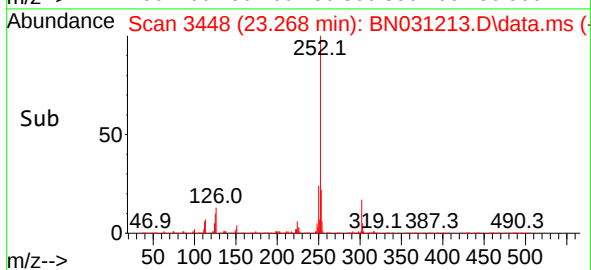
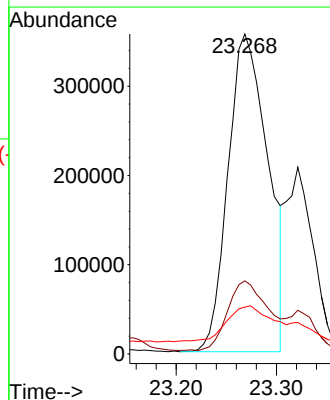
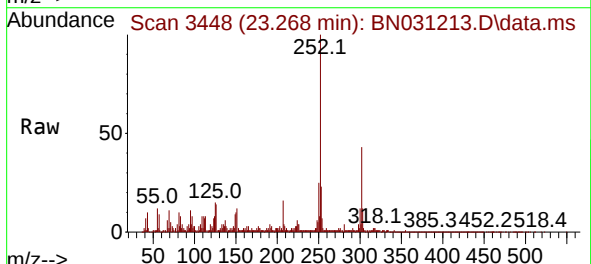
RT: 23.268 min Scan# 3448

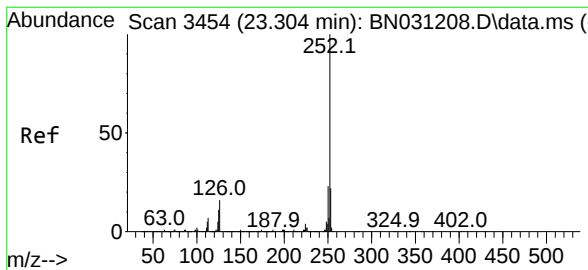
Delta R.T. 0.012 min

Lab File: BN031213.D

Acq: 25 Apr 2024 08:05

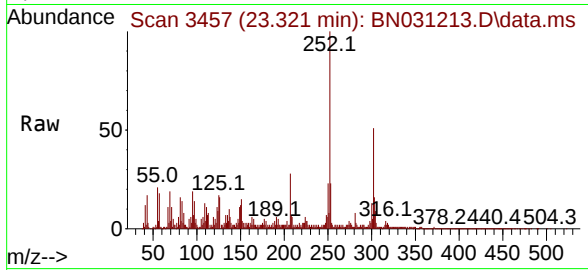
Tgt Ion:252 Resp: 984709
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.6 26.4
 125 14.7 8.6 12.8





#91
Benzo(k)fluoranthene
Concen: 5.789 ng/ul m
RT: 23.321 min Scan# 3454
Delta R.T. 0.012 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

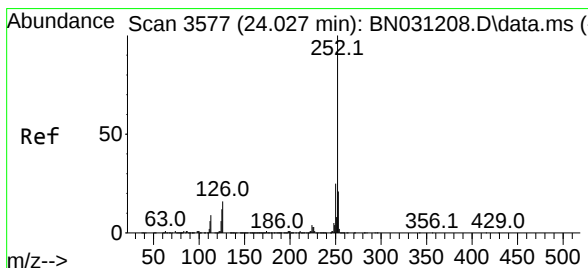
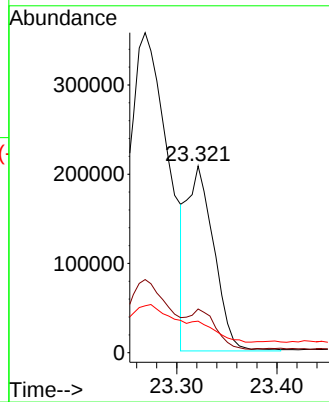
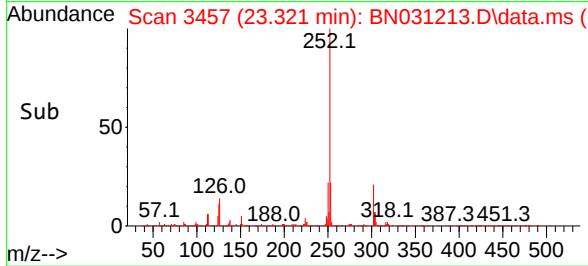
Instrument :
BNA_N
ClientSampleId :
C0AA8



Tgt Ion:252 Resp: 38969
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 16.9 9.4 14.2

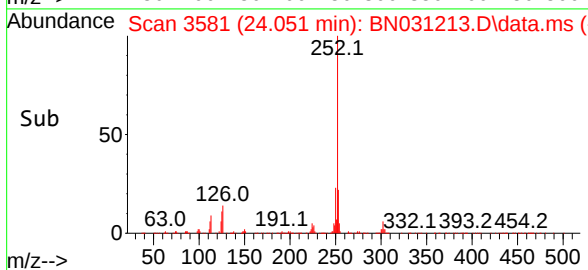
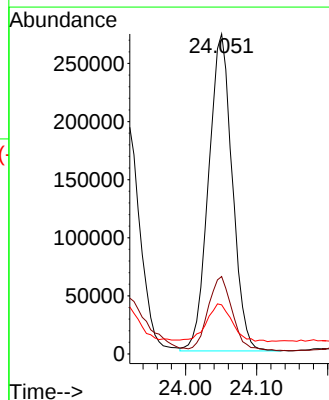
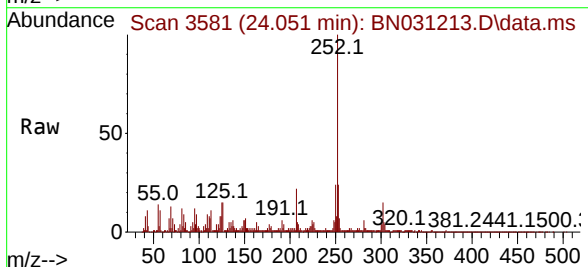
Manual Integrations
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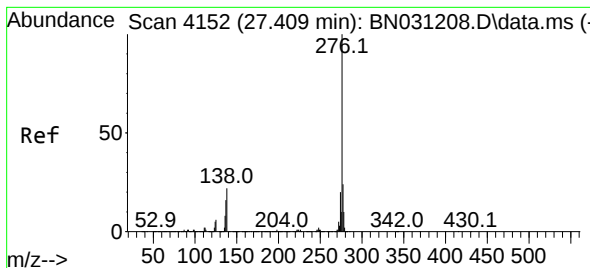
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#93
Benzo(a)pyrene
Concen: 9.467 ng/ul
RT: 24.051 min Scan# 3581
Delta R.T. 0.018 min
Lab File: BN031213.D
Acq: 25 Apr 2024 08:05

Tgt Ion:252 Resp: 632113
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 15.4 9.9 14.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.266 ng/ul

RT: 27.445 min Scan# 4152

Delta R.T. 0.023 min

Lab File: BN031213.D

Acq: 25 Apr 2024 08:05

Instrument :

BNA_N

ClientSampleId :

C0AA8

Tgt Ion:276 Resp: 43631

Ion Ratio Lower Upper

276 100

138 23.1 17.4 26.2

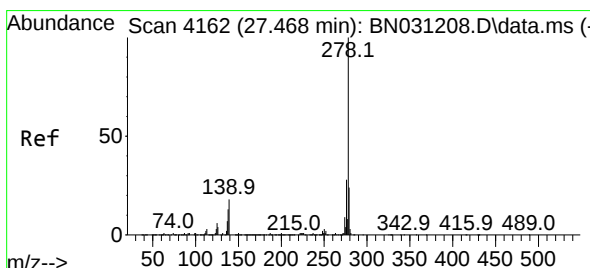
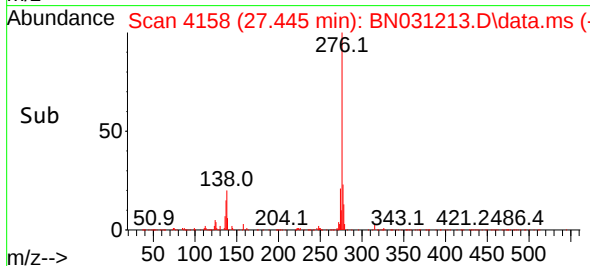
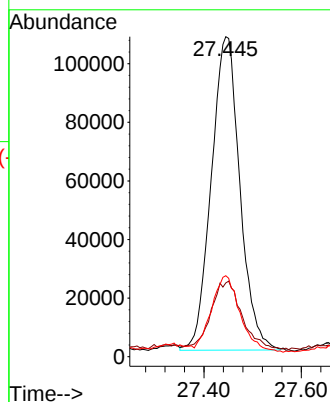
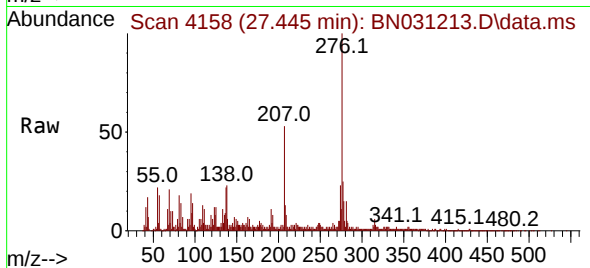
277 25.3 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.771 ng/ul

RT: 27.480 min Scan# 4164

Delta R.T. -0.006 min

Lab File: BN031213.D

Acq: 25 Apr 2024 08:05

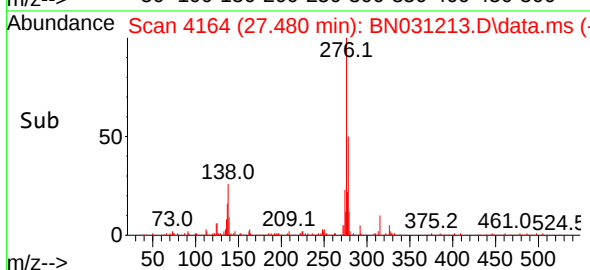
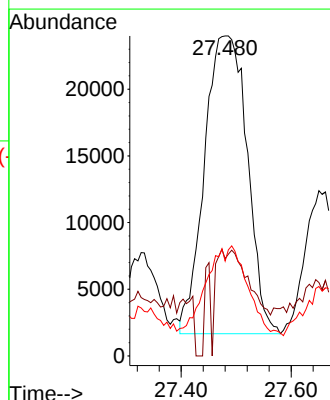
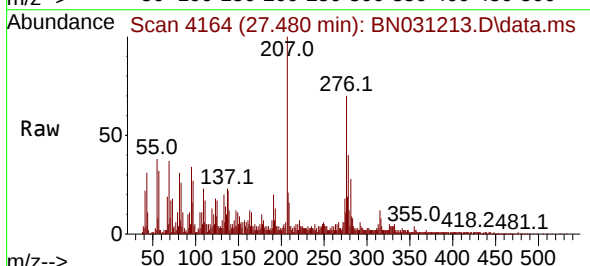
Tgt Ion:278 Resp: 120408

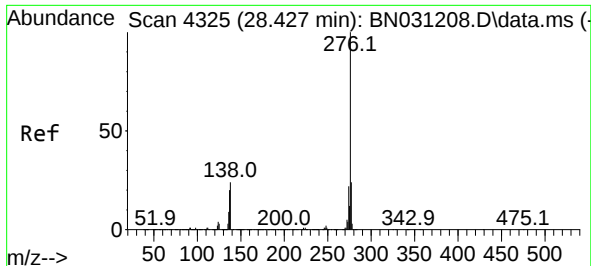
Ion Ratio Lower Upper

278 100

139 30.4 13.3 19.9#

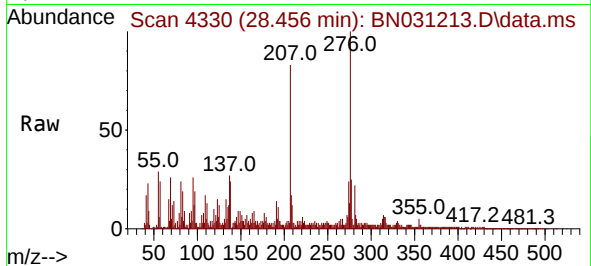
279 29.6 17.0 25.6#





#96
 Benzo(g,h,i)perylene
 Concen: 4.763 ng/ul
 RT: 28.456 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BN031213.D
 Acq: 25 Apr 2024 08:05

Instrument :
 BNA_N
 ClientSampleId :
 C0AA8



Tgt Ion:	276	Resp:	31779
Ion Ratio	Lower	Upper	
276	100		
138	24.5	19.0	28.6
277	25.3	19.3	28.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

