

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042723\
 Data File : BN025176.D
 Acq On : 27 Apr 2023 14:11
 Operator : CG/JU
 Sample : 02418-21MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW8Z5MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/28/2023
 Supervised By : Jagrut Upadhyay 05/01/2023

Quant Time: Apr 28 01:20:48 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 15:27:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	12537	0.400	ng/ul	0.00
4) Naphthalene-d8	10.726	136	32041	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.561	164	16892	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.309	188	35819	0.400	ng/ul	0.00
17) Chrysene-d12	21.505	240	25599	0.400	ng/ul	# 0.00
23) Perylene-d12	23.943	264	29122	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	2257	0.174	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.310	152	7357	0.179	ng/ul	0.00
18) Fluoranthene-d10	19.340	212	16583	0.246	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	6223	0.445	ng/ul#	70
5) Naphthalene	10.776	128	111985	1.364	ng/ul	100
7) 2-Methylnaphthalene	12.387	142	51189	1.018	ng/ul	100
8) 1-Methylnaphthalene	12.601	142	46339	0.865	ng/ul	100
10) Acenaphthylene	14.279	152	207888	3.304	ng/ul	100
11) Acenaphthene	14.621	153	184146	3.472	ng/ul	99
12) Fluorene	15.606	166	190658	3.215	ng/ul	98
14) Pentachlorophenol	16.963	266	2974	0.423	ng/ul	99
15) Phenanthrene	17.351	178	3498958	34.608	ng/ul	100
16) Anthracene	17.440	178	821076	9.927	ng/ul	99
19) Fluoranthene	19.373	202	5933215	64.094	ng/ul	97
20) Pyrene	19.735	202	5447391	57.274	ng/ul	97
21) Benzo(a)anthracene	21.488	228	2367119	30.686	ng/ul	97
22) Chrysene	21.543	228	2794339	33.207	ng/ul	98
24) Benzo(b)fluoranthene	23.204	252	3316785m	28.072	ng/ul	
25) Benzo(k)fluoranthene	23.242	252	1155535m	10.168	ng/ul	
26) Benzo(a)pyrene	23.844	252	2162643	22.123	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.487	276	1473936	13.086	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.494	278	359228	4.083	ng/ul	97
29) Benzo(g,h,i)perylene	27.272	276	1217855	12.716	ng/ul	99

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

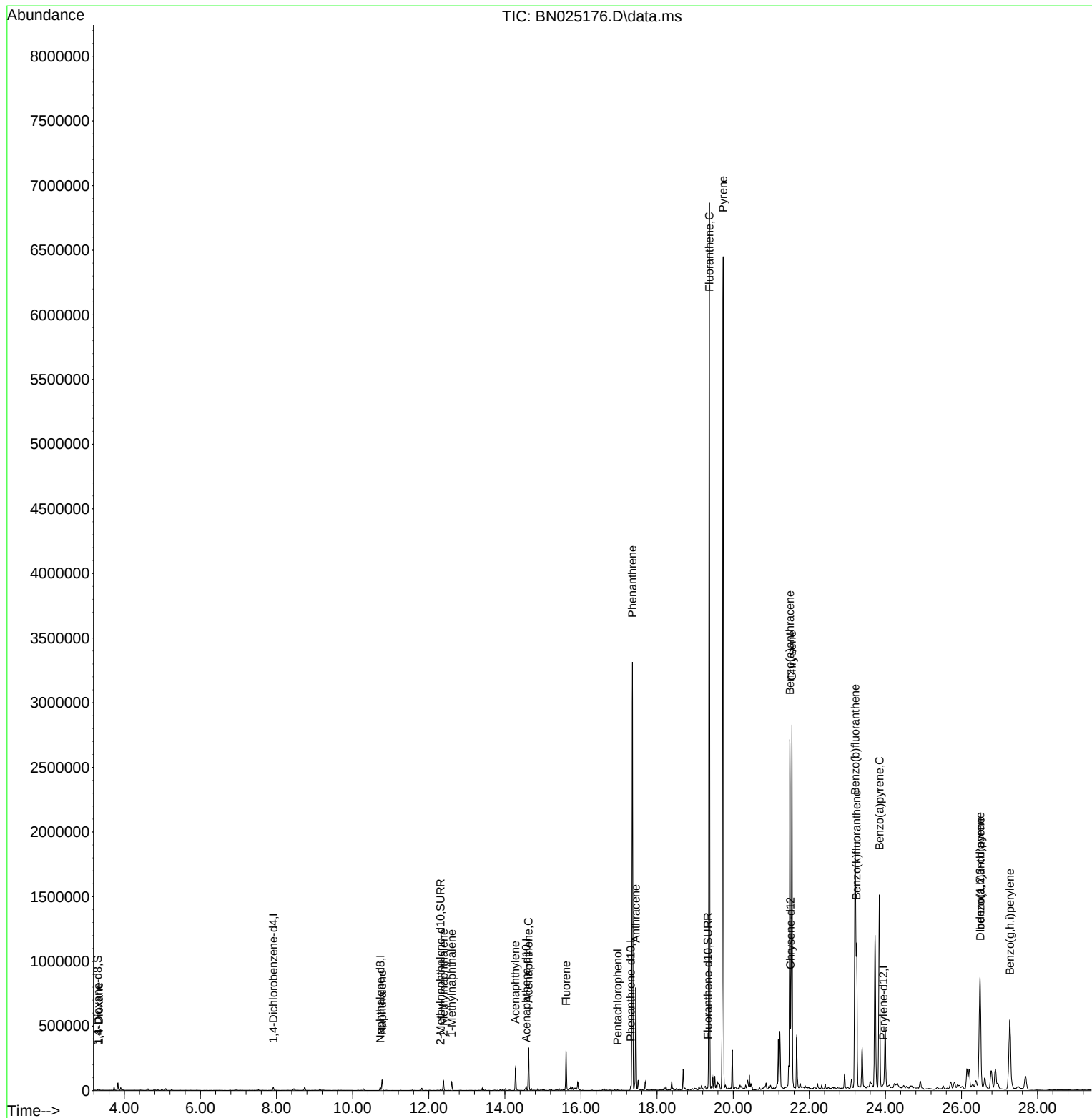
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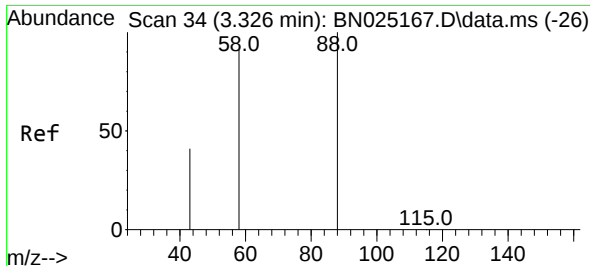
Instrument :
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Quant Time: Apr 28 01:20:48 2023
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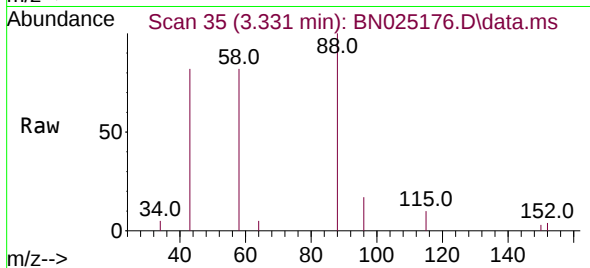
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023





#2
1,4-Dioxane
Concen: 0.445 ng/ul
RT: 3.331 min Scan# 30
Delta R.T. 0.004 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

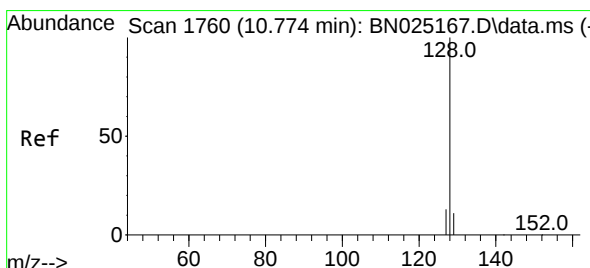
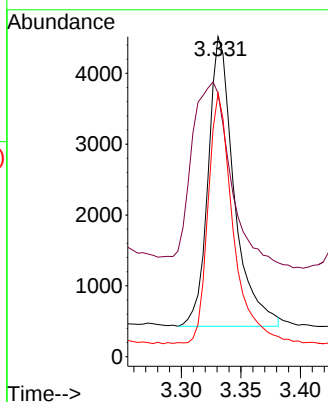
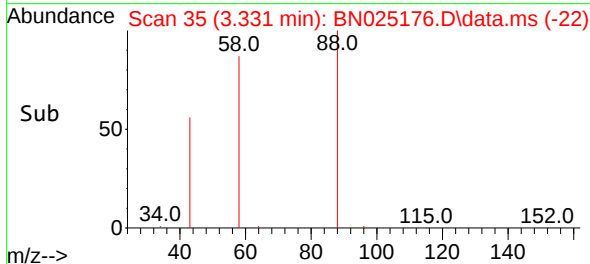
Instrument :
BNA_N
ClientSampleId :
EW8Z5MSD



Tgt Ion: 88 Resp: 622
Ion Ratio Lower Upper
88 100
43 82.3 37.0 55.4
58 82.3 56.9 85.3

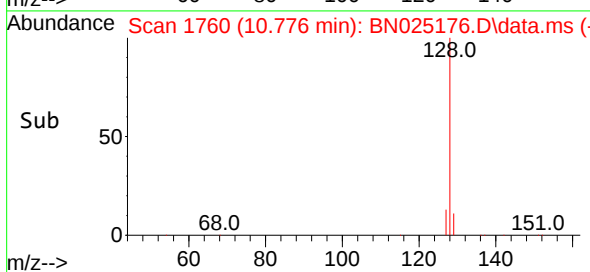
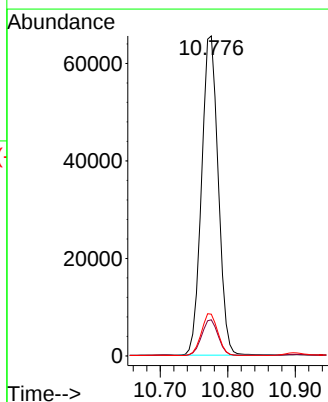
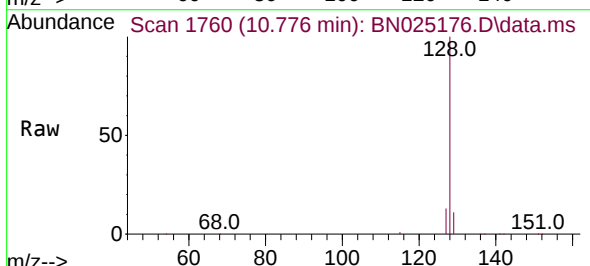
Manual Integrations
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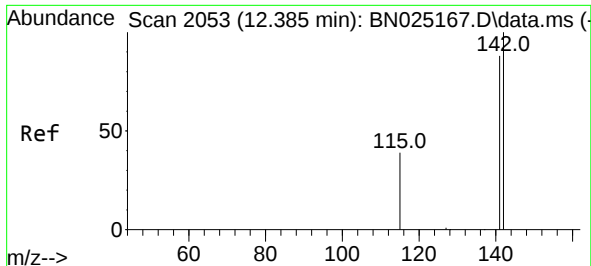
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#5
Naphthalene
Concen: 1.364 ng/ul
RT: 10.776 min Scan# 1760
Delta R.T. 0.002 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

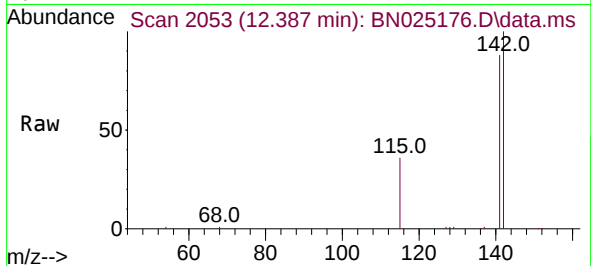
Tgt Ion:128 Resp: 111985
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.1 10.7 16.1





#7
2-Methylnaphthalene
Concen: 1.018 ng/ul
RT: 12.387 min Scan# 2053
Delta R.T. 0.002 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

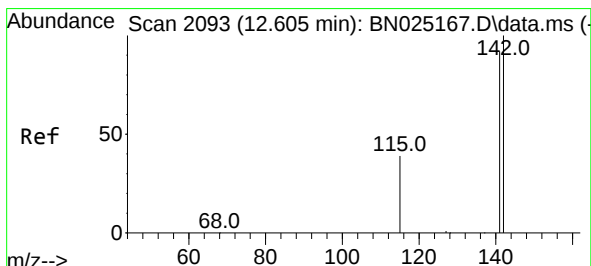
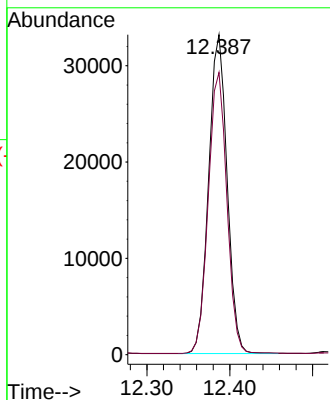
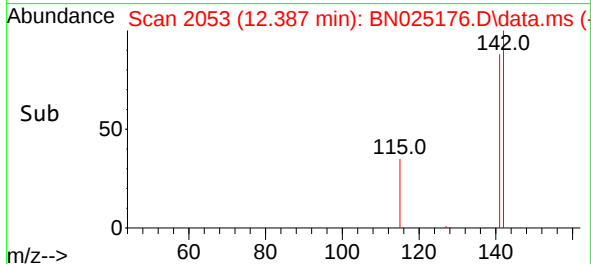
Instrument :
BNA_N
ClientSampleId :
EW8Z5MSD



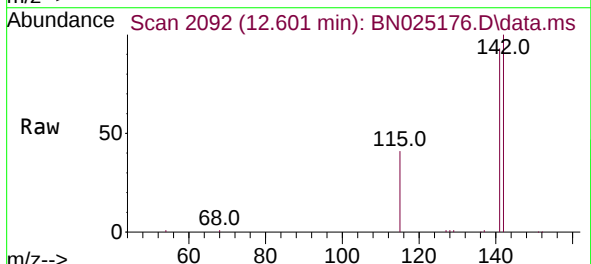
Tgt Ion:142 Resp: 51189
Ion Ratio Lower Upper
142 100
141 88.8 71.4 107.0

Manual Integrations
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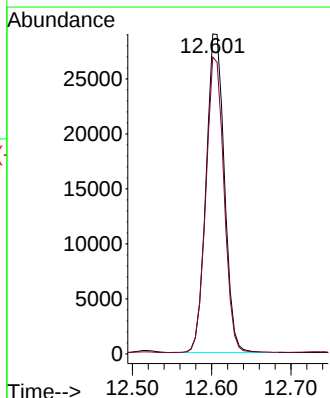
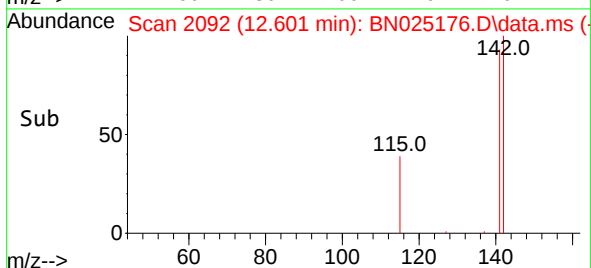
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023

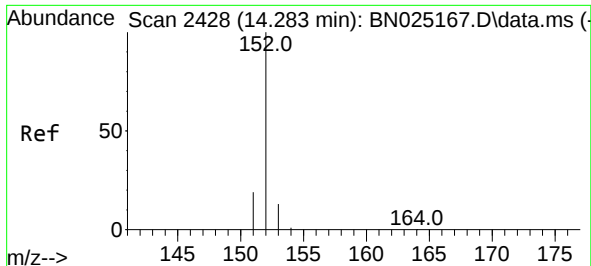


#8
1-Methylnaphthalene
Concen: 0.865 ng/ul
RT: 12.601 min Scan# 2092
Delta R.T. -0.004 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11



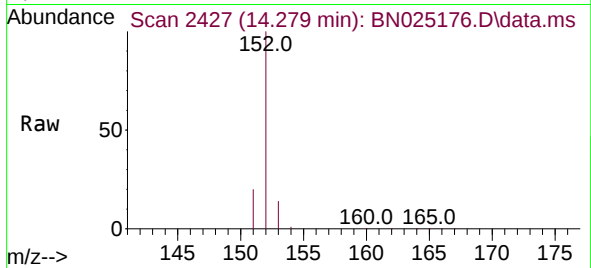
Tgt Ion:142 Resp: 46339
Ion Ratio Lower Upper
142 100
141 91.9 73.8 110.6





#10
Acenaphthylene
Concen: 3.304 ng/ul
RT: 14.279 min Scan# 2428
Delta R.T. -0.004 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

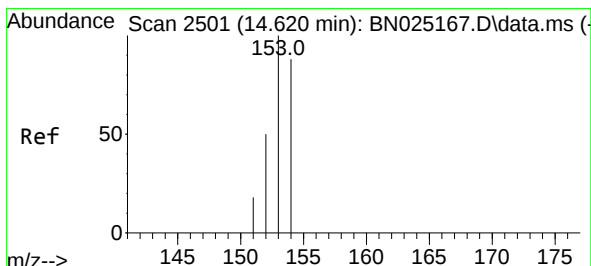
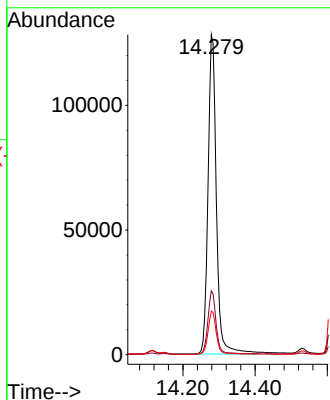
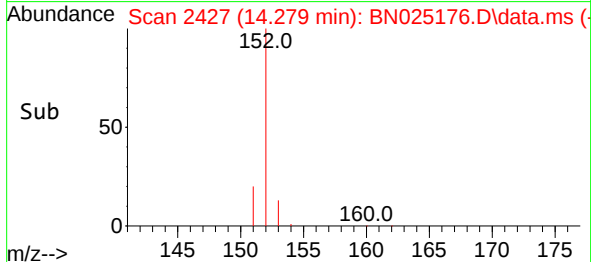
Instrument :
BNA_N
ClientSampleId :
EW8Z5MSD



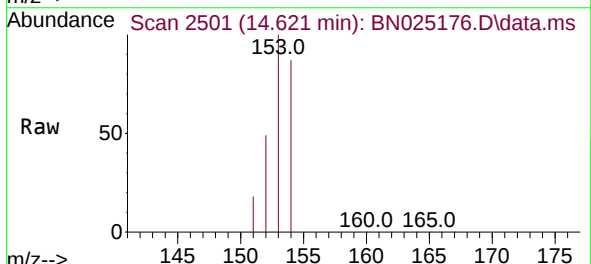
Tgt Ion:152 Resp: 207888
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.6 10.8 16.2

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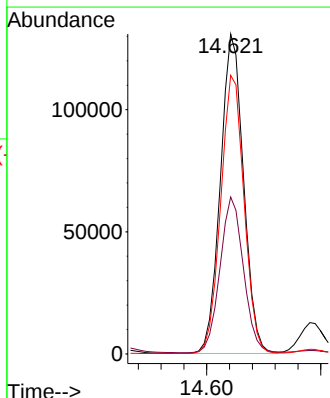
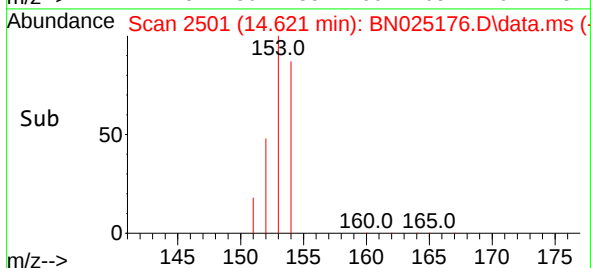
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023

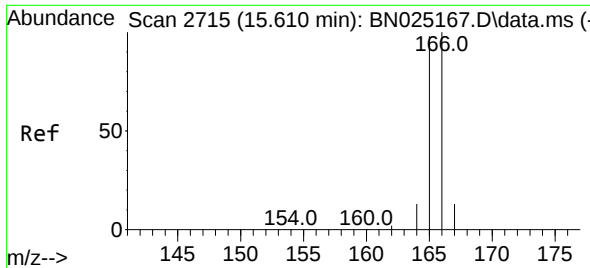


#11
Acenaphthene
Concen: 3.472 ng/ul
RT: 14.621 min Scan# 2501
Delta R.T. 0.001 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11



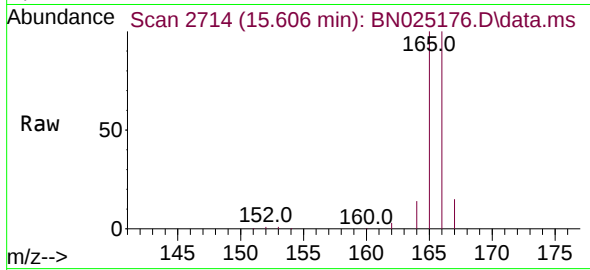
Tgt Ion:153 Resp: 184146
Ion Ratio Lower Upper
153 100
152 49.0 40.2 60.4
154 87.1 69.4 104.2





#12
Fluorene
Concen: 3.215 ng/ul
RT: 15.606 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

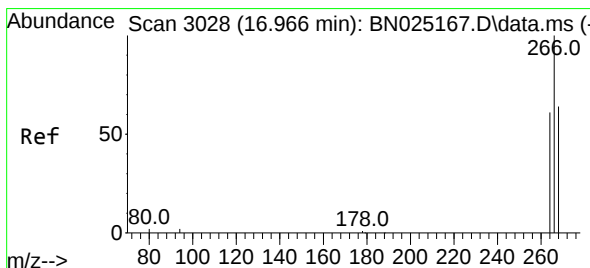
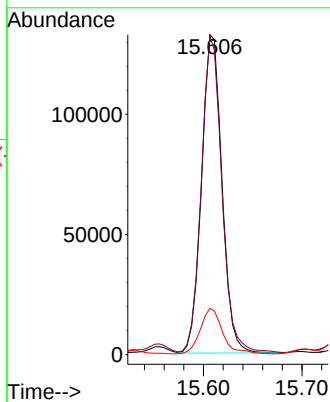
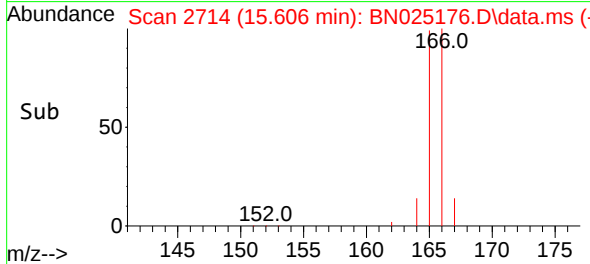
Instrument :
BNA_N
ClientSampleId :
EW8Z5MSD



Tgt Ion:166 Resp: 190658
Ion Ratio Lower Upper
166 100
165 99.6 78.1 117.1
167 14.5 11.0 16.6

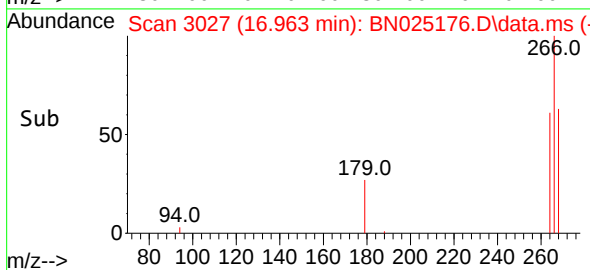
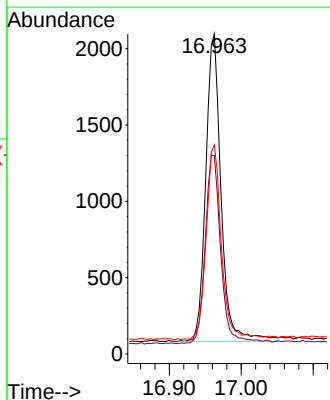
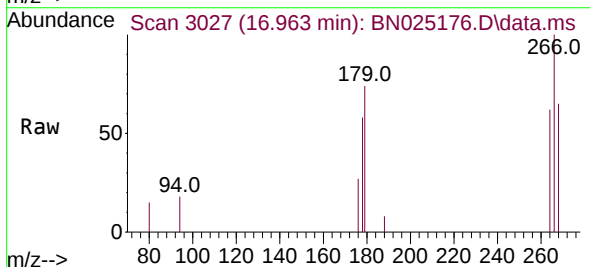
Manual Integrations
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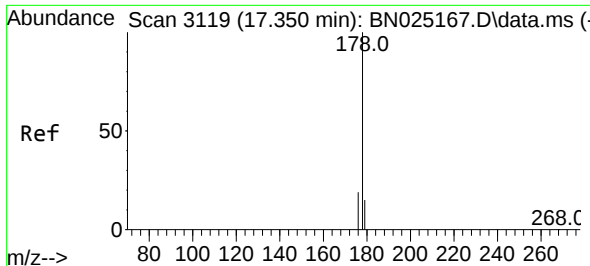
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#14
Pentachlorophenol
Concen: 0.423 ng/ul
RT: 16.963 min Scan# 3027
Delta R.T. -0.004 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

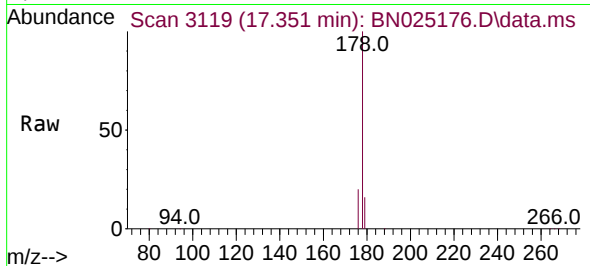
Tgt Ion:266 Resp: 2974
Ion Ratio Lower Upper
266 100
264 62.7 49.6 74.4
268 63.2 51.3 76.9





#15
Phenanthrene
Concen: 34.608 ng/u1
RT: 17.351 min Scan# 3119
Delta R.T. 0.001 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

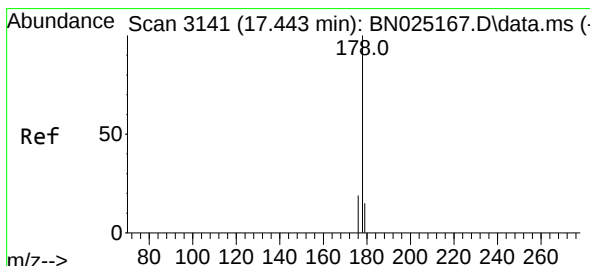
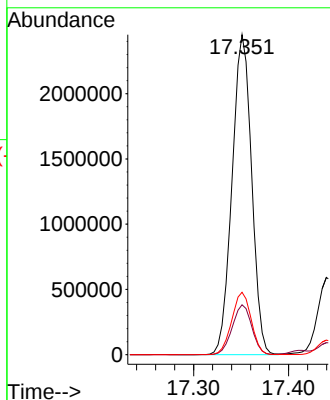
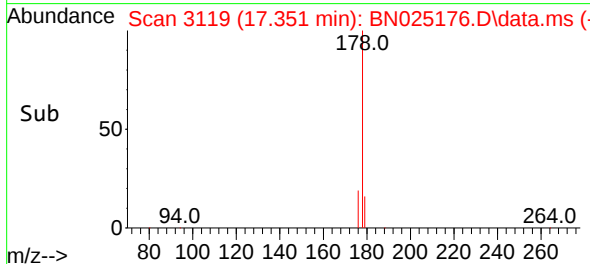
Instrument :
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Tgt Ion:178 Resp: 3498958
Ion Ratio Lower Upper
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179 15.6 12.5 18.7
176 19.5 15.6 23.4

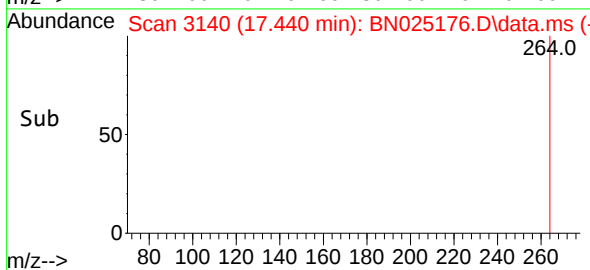
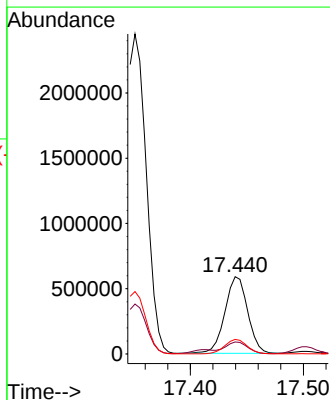
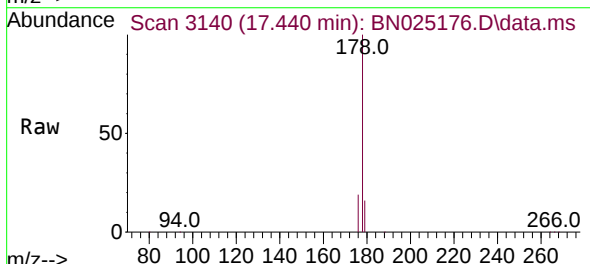
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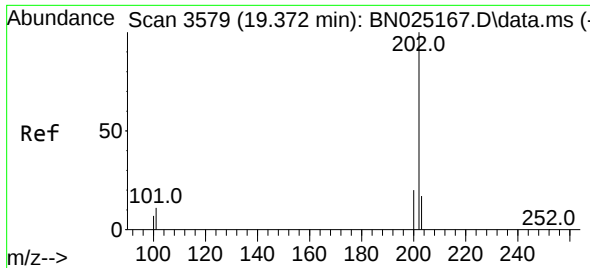
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#16
Anthracene
Concen: 9.927 ng/u1
RT: 17.440 min Scan# 3140
Delta R.T. -0.004 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

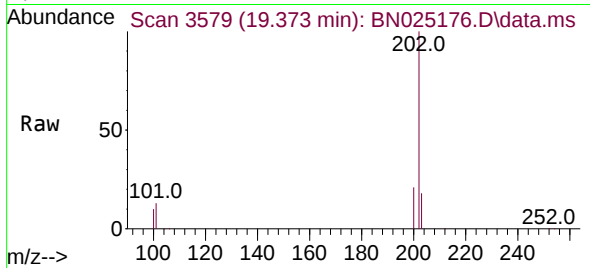
Tgt Ion:178 Resp: 821076
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 18.9 15.3 22.9





#19
Fluoranthene
Concen: 64.094 ng/u1
RT: 19.373 min Scan# 3579
Delta R.T. 0.001 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

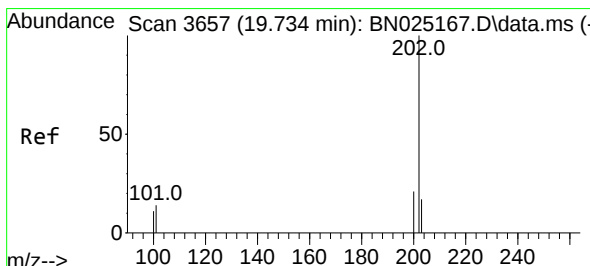
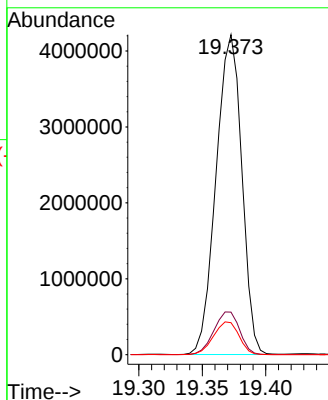
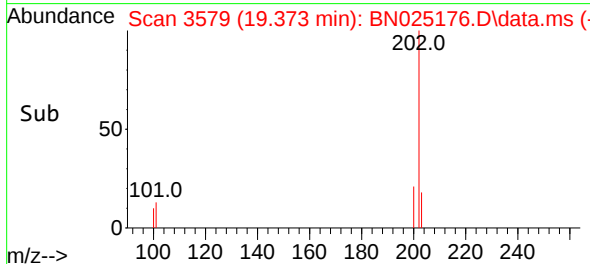
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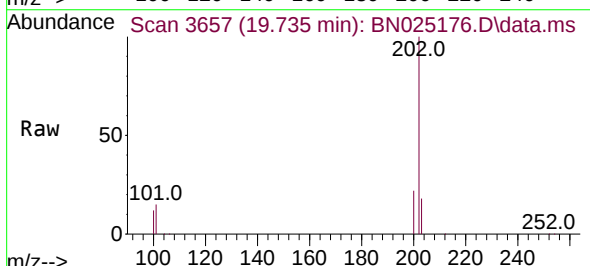
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Ion Ratio Lower Upper
202 100
101 13.3 9.7 14.5
100 10.0 7.3 10.9

Manual Integrations
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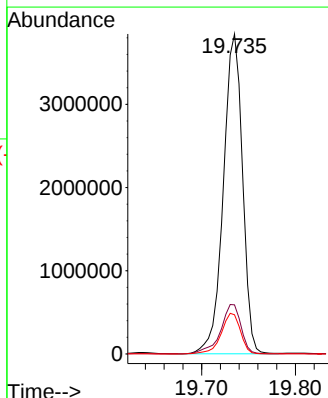
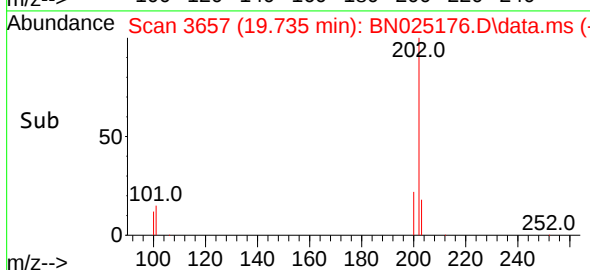
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023

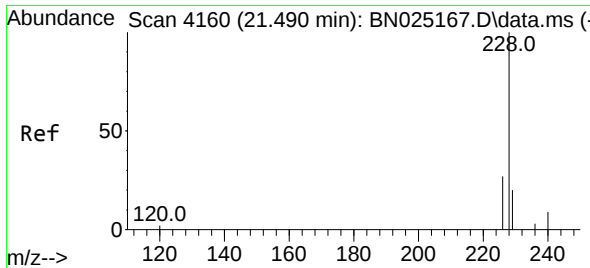


#20
Pyrene
Concen: 57.274 ng/u1
RT: 19.735 min Scan# 3657
Delta R.T. 0.001 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11



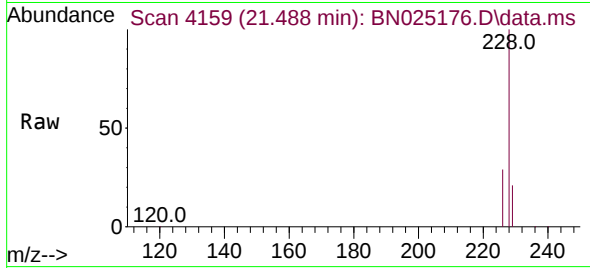
Tgt Ion:202 Resp: 5447391
Ion Ratio Lower Upper
202 100
101 15.4 11.3 16.9
100 12.3 9.2 13.8





#21
Benzo(a)anthracene
Concen: 30.686 ng/u1
RT: 21.488 min Scan# 4159
Delta R.T. -0.002 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

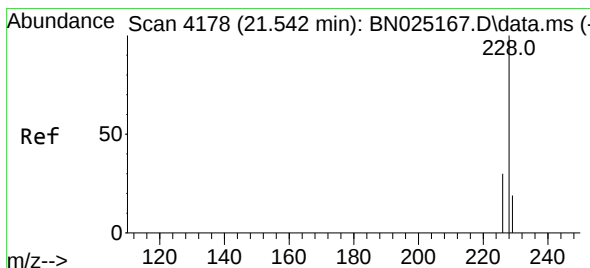
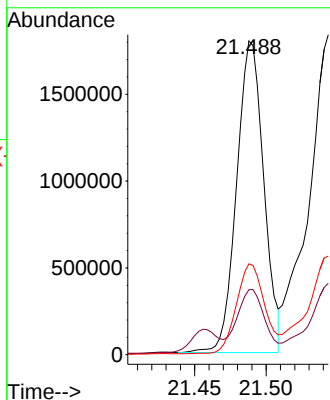
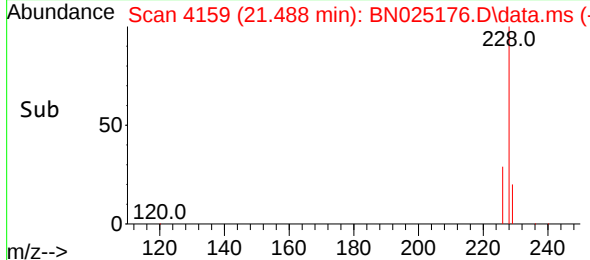
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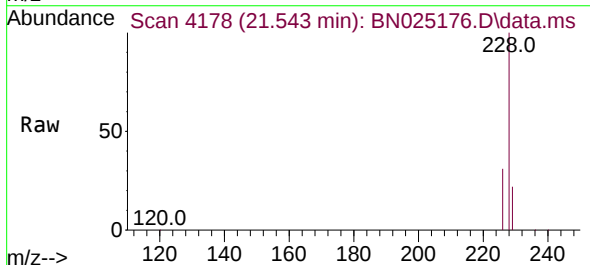
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Ion Ratio Lower Upper
228 100
229 20.7 15.6 23.4
226 29.0 22.1 33.1

Manual Integrations
APPROVED

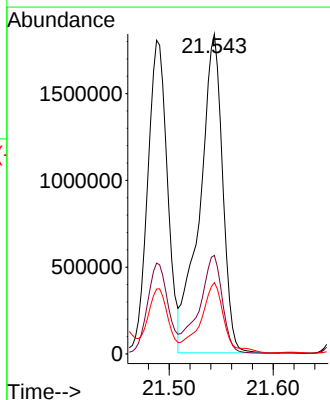
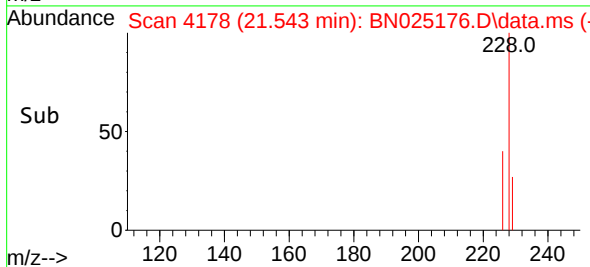
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023

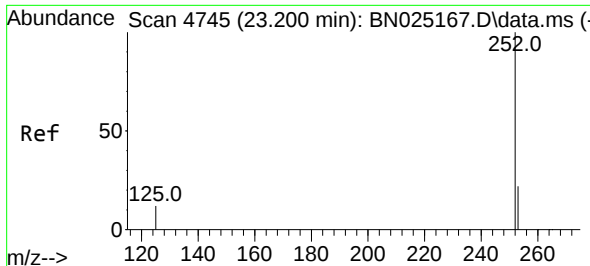


#22
Chrysene
Concen: 33.207 ng/u1
RT: 21.543 min Scan# 4178
Delta R.T. 0.001 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11



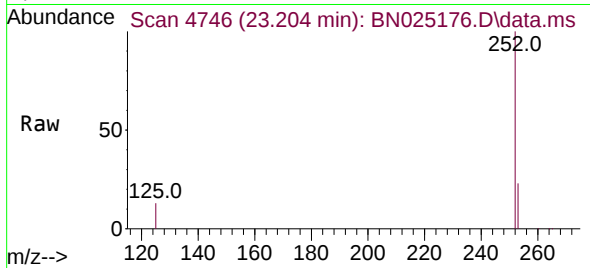
Tgt Ion:228 Resp: 2794339
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 28.072 ng/ul m
RT: 23.204 min Scan# 4745
Delta R.T. 0.004 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

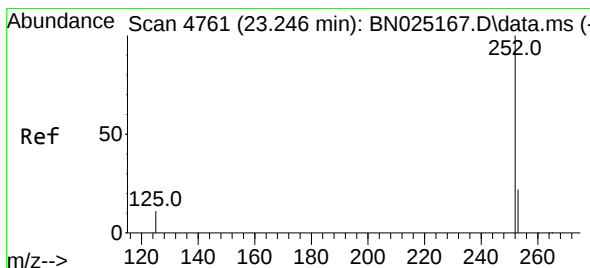
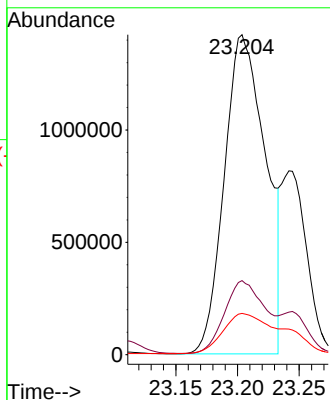
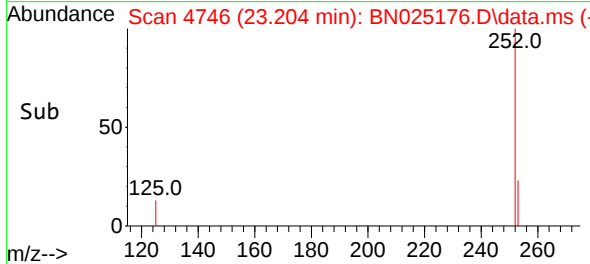
Instrument :
BNA_N
ClientSampleId :
EW8Z5MSD



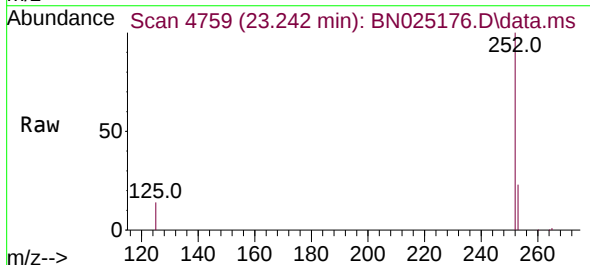
Tgt Ion:252 Resp: 331678
Ion Ratio Lower Upper
252 100
253 23.1 0.0 50.2
125 12.9 0.0 30.4

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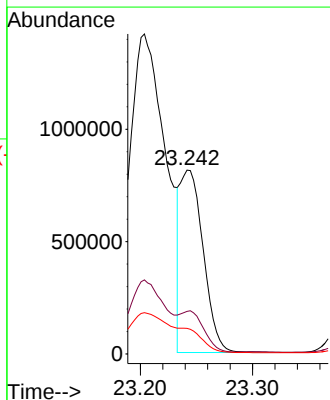
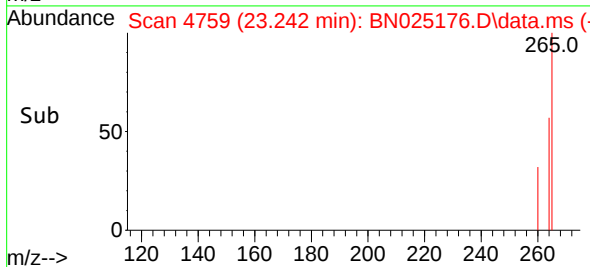
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023

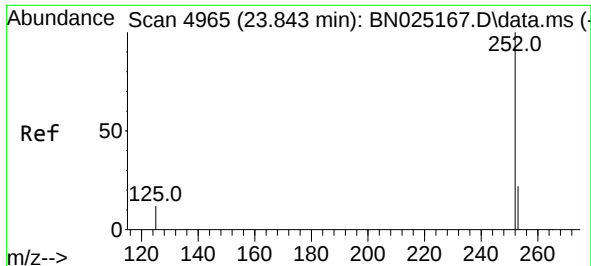


#25
Benzo(k)fluoranthene
Concen: 10.168 ng/ul m
RT: 23.242 min Scan# 4759
Delta R.T. -0.005 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11



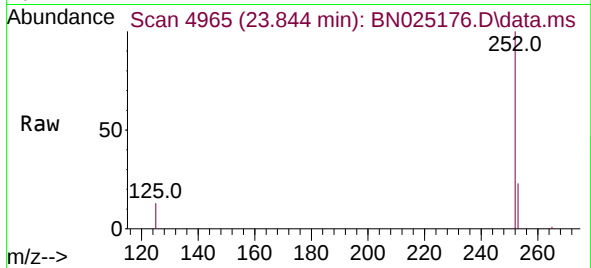
Tgt Ion:252 Resp: 1155535
Ion Ratio Lower Upper
252 100
253 23.2 20.2 30.4
125 14.0 11.8 17.8





#26
Benzo(a)pyrene
Concen: 22.123 ng/ul
RT: 23.844 min Scan# 4965
Delta R.T. 0.001 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

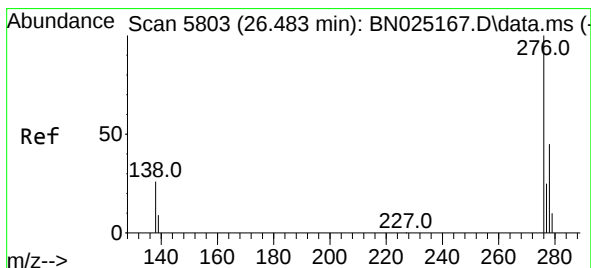
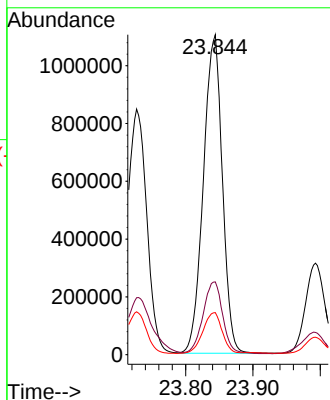
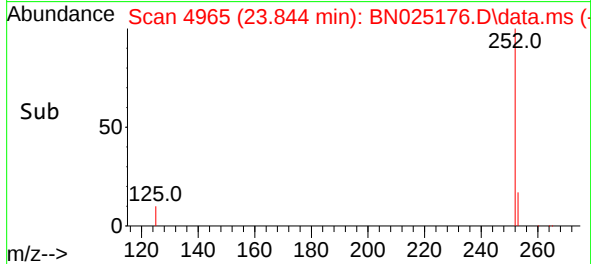
Instrument :
BNA_N
ClientSampleId :
EW8Z5MSD



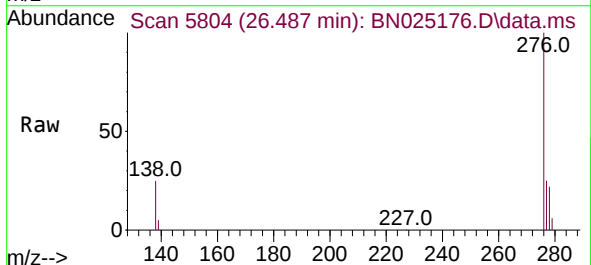
Tgt Ion:252 Resp: 216264
Ion Ratio Lower Upper
252 100
253 22.7 21.4 32.2
125 13.1 14.6 22.0

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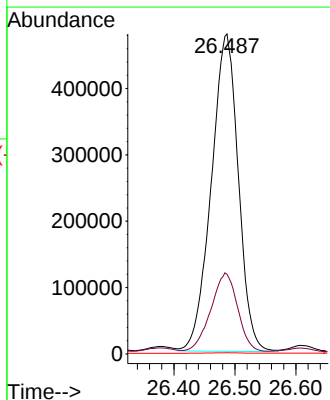
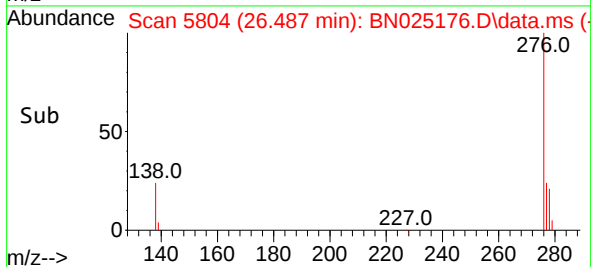
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023

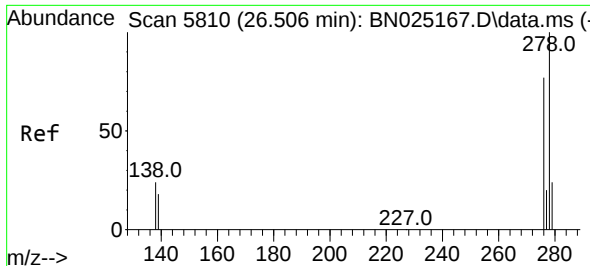


#27
Indeno(1,2,3-cd)pyrene
Concen: 13.086 ng/ul
RT: 26.487 min Scan# 5804
Delta R.T. 0.004 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11



Tgt Ion:276 Resp: 1473936
Ion Ratio Lower Upper
276 100
138 24.6 21.9 32.9
227 0.4 0.1 0.1





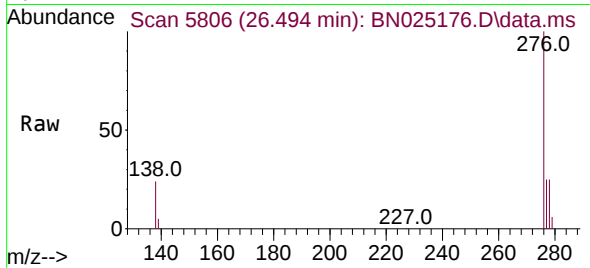
#28
Dibenzo(a,h)anthracene
Concen: 4.083 ng/ul
RT: 26.494 min Scan# 5810
Delta R.T. -0.012 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11

Instrument :

BNA_N

ClientSampleId :

EW8Z5MSD

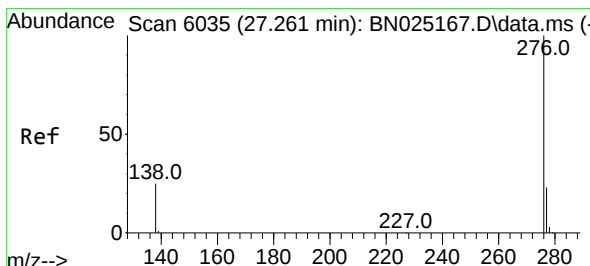
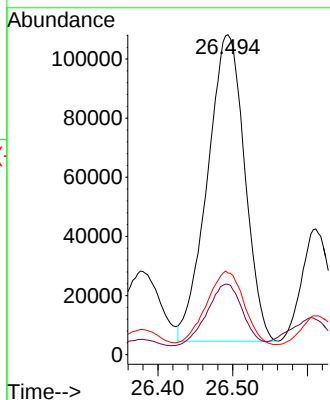
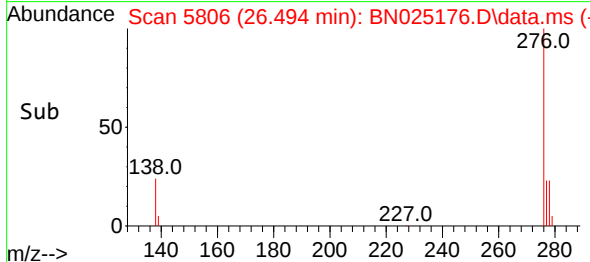


Tgt Ion:278 Resp: 359228
Ion Ratio Lower Upper
278 100
139 22.0 17.0 25.6
279 25.5 21.8 32.8

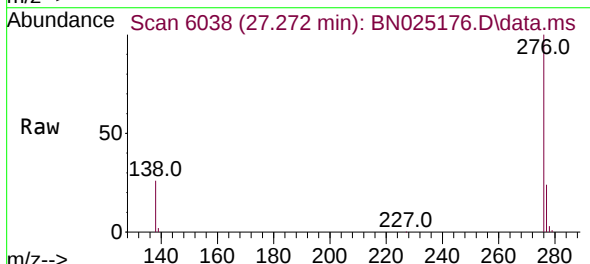
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Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#29
Benzo(g,h,i)perylene
Concen: 12.716 ng/ul
RT: 27.272 min Scan# 6038
Delta R.T. 0.011 min
Lab File: BN025176.D
Acq: 27 Apr 2023 14:11



Tgt Ion:276 Resp: 1217855
Ion Ratio Lower Upper
276 100
138 25.5 20.3 30.5
277 24.2 19.8 29.6

