

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082422\
 Data File : BN021352.D
 Acq On : 25 Aug 2022 00:54
 Operator : CG/JU
 Sample : N4245-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20220816

Quant Time: Aug 25 07:15:45 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 06:55:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 08/25/2022
 Supervised By :Jagrut Upadhyay 08/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.090	152	2893	0.400	ng	0.00
7) Naphthalene-d8	10.920	136	8927	0.400	ng	0.00
13) Acenaphthene-d10	14.739	164	4839	0.400	ng	0.00
19) Phenanthrene-d10	17.490	188	10470	0.400	ng	0.00
29) Chrysene-d12	21.673	240	8964	0.400	ng	# 0.00
35) Perylene-d12	24.200	264	7670	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.606	112	927	0.118	ng	0.00
5) Phenol-d6	7.231	99	679	0.069	ng	0.00
8) Nitrobenzene-d5	9.254	82	2336	0.346	ng	0.00
11) 2-Methylnaphthalene-d10	12.501	152	5964	0.396	ng	0.00
14) 2,4,6-Tribromophenol	16.229	330	707	0.319	ng	0.00
15) 2-Fluorobiphenyl	13.371	172	9113	0.421	ng	0.00
27) Fluoranthene-d10	19.514	212	13786	0.441	ng	0.00
31) Terphenyl-d14	20.106	244	10640	0.562	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.410	88	3277	0.817	ng	# 89
6) bis(2-Chloroethyl)ether	7.498	93	360	0.037	ng	94
25) Phenanthrene	17.531	178	1562	0.041	ng	99
26) Anthracene	17.624	178	766	0.024	ng	99
28) Fluoranthene	19.543	202	1872	0.044	ng	96
30) Pyrene	19.906	202	1564	0.035	ng	# 91
32) Benzo(a)anthracene	21.655	228	982	0.029	ng	# 89
33) Chrysene	21.709	228	1121	0.030	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.574	149	1236	0.076	ng	98
36) Indeno(1,2,3-cd)pyrene	26.866	276	877	0.022	ng	# 78
37) Benzo(b)fluoranthene	23.422	252	1100	0.033	ng	# 46
38) Benzo(k)fluoranthene	23.475	252	962m	0.028	ng	
39) Benzo(a)pyrene	24.086	252	553	0.020	ng	# 1
40) Dibenzo(a,h)anthracene	26.895	278	681	0.021	ng	# 51
41) Benzo(g,h,i)perylene	27.688	276	826	0.024	ng	# 68

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

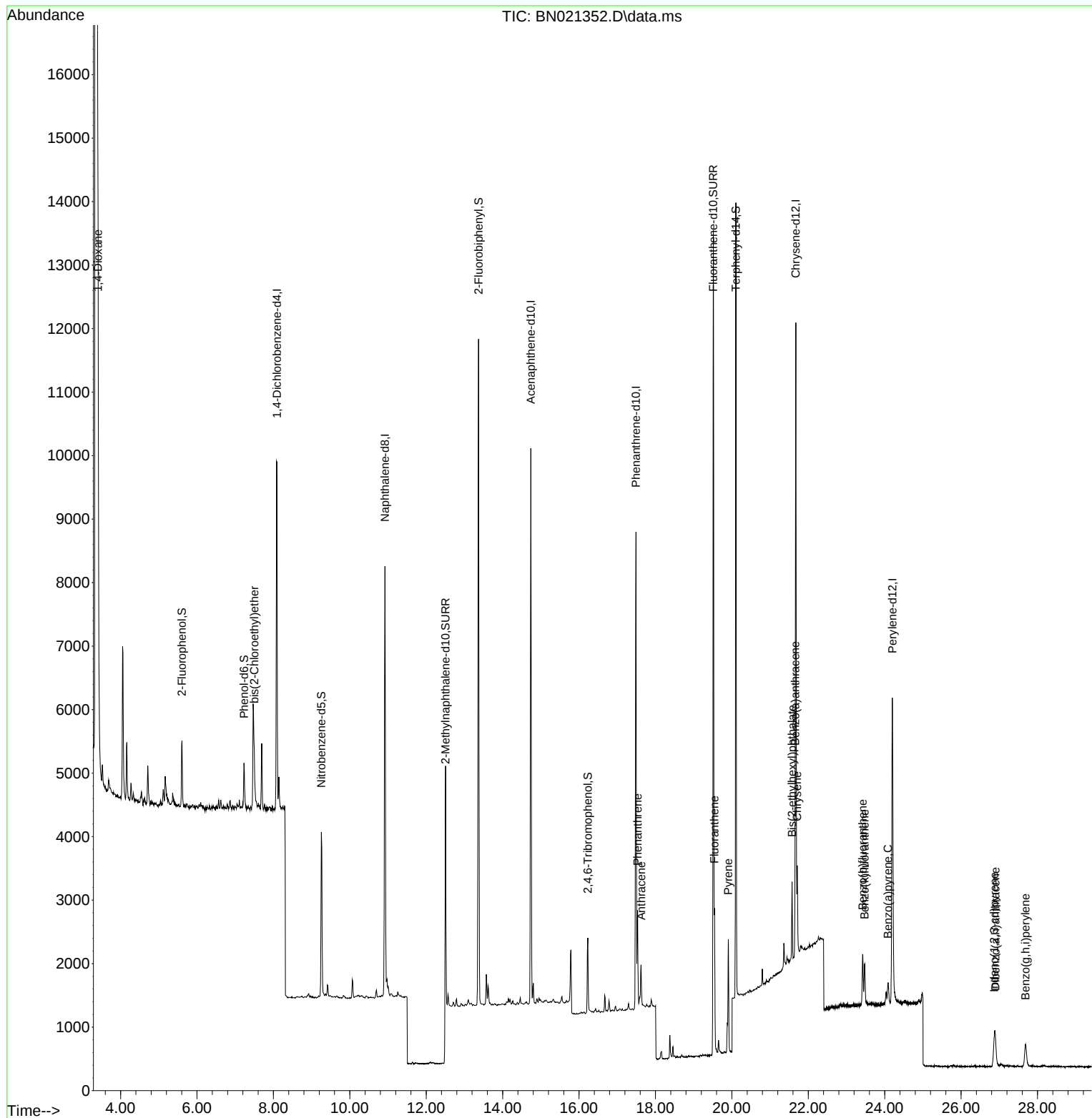
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082422\
Data File : BN021352.D
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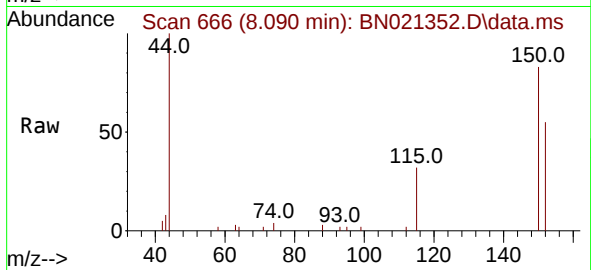
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.090 min Scan# 666
 Delta R.T. 0.000 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

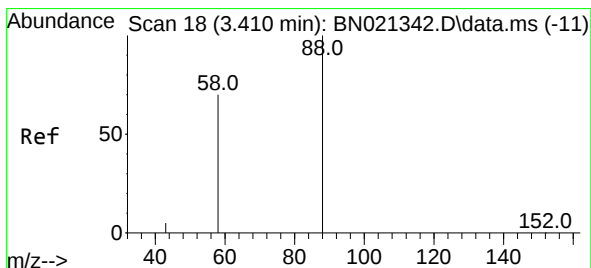
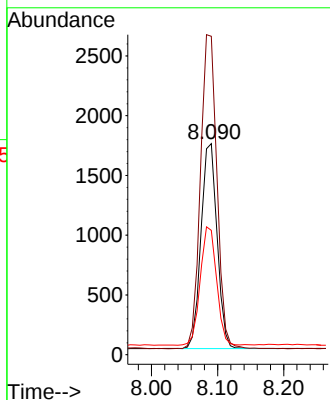
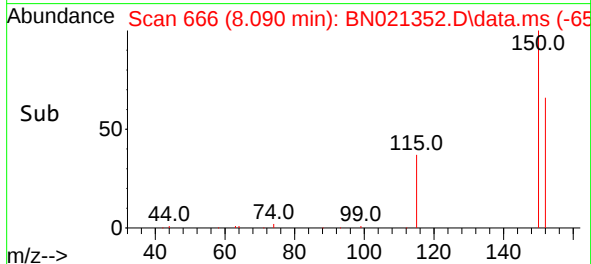
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20220816



Tgt Ion: 152 Resp: 289
 Ion Ratio Lower Upper
 152 100
 150 150.9 121.4 182.0
 115 58.9 48.6 72.8

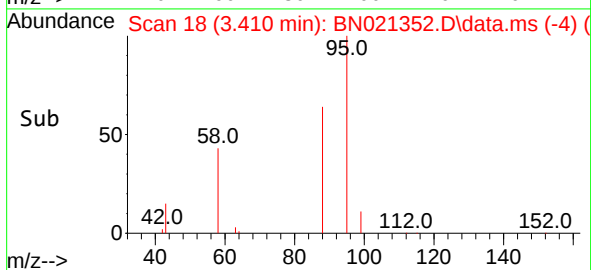
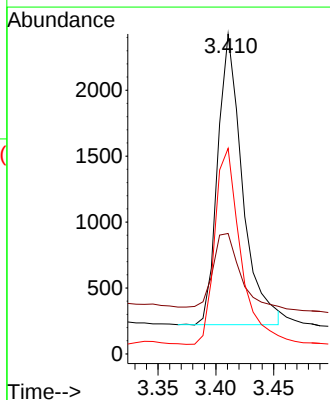
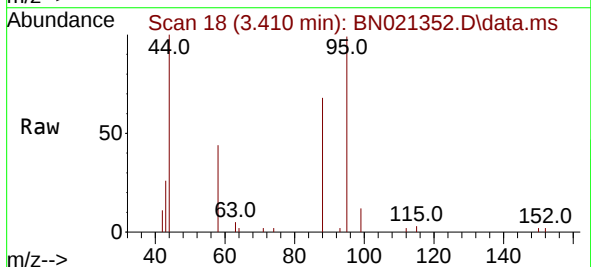
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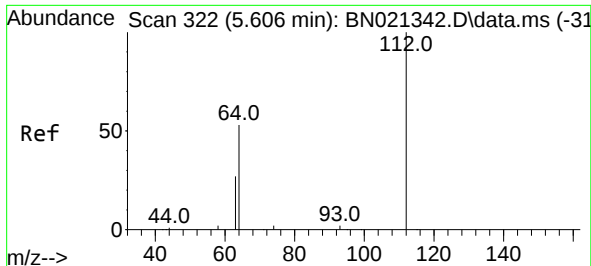
Reviewed By : Christian Giraldo 08/25/2022
 Supervised By : Jagrut Upadhyay 08/25/2022



#2
 1,4-Dioxane
 Concen: 0.817 ng
 RT: 3.410 min Scan# 18
 Delta R.T. 0.000 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

Tgt Ion: 88 Resp: 3277
 Ion Ratio Lower Upper
 88 100
 43 26.7 35.8 53.8#
 58 70.4 57.1 85.7





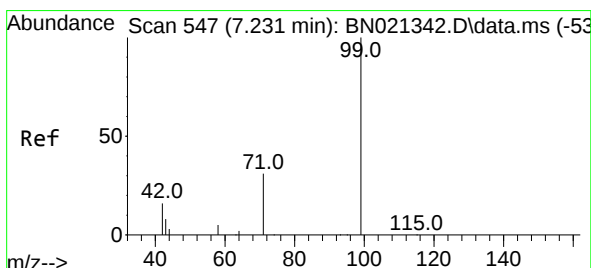
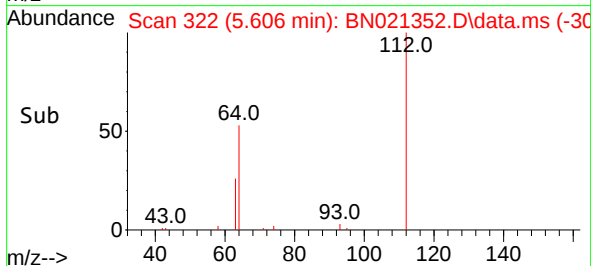
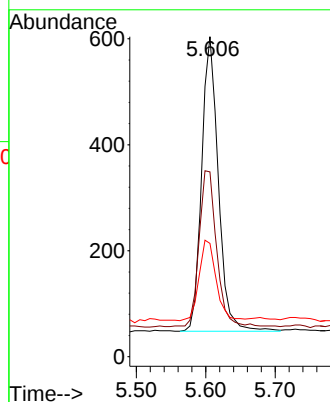
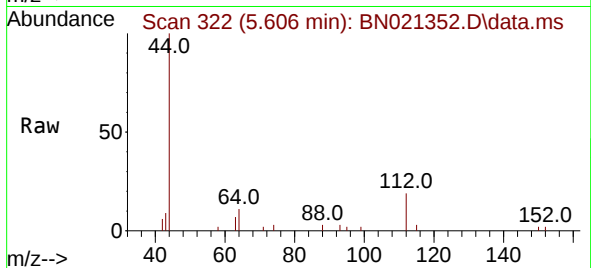
#4
2-Fluorophenol
Concen: 0.118 ng
RT: 5.606 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816

Tgt Ion: 112 Resp: 92
Ion Ratio Lower Upper
112 100
64 55.6 43.5 65.3
63 28.0 22.6 34.0

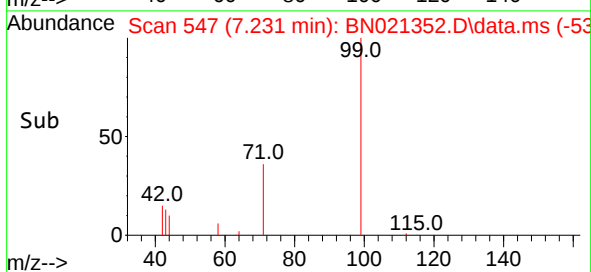
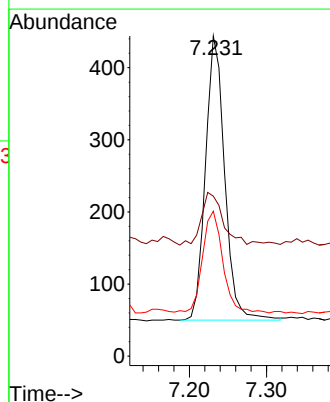
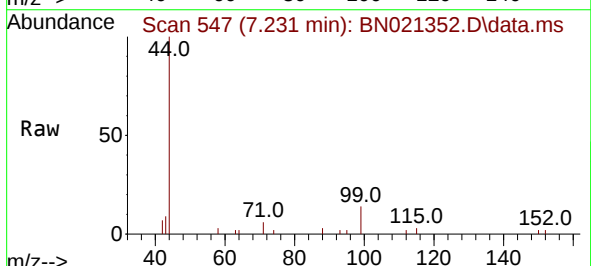
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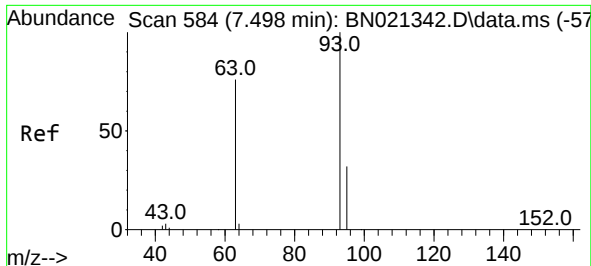
Reviewed By : Christian Giraldo 08/25/2022
Supervised By : Jagrut Upadhyay 08/25/2022



#5
Phenol-d6
Concen: 0.069 ng
RT: 7.231 min Scan# 547
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

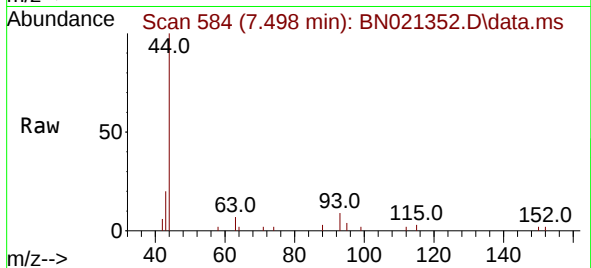
Tgt Ion: 99 Resp: 679
Ion Ratio Lower Upper
99 100
42 21.1 15.5 23.3
71 38.4 24.2 36.2#





#6
bis(2-Chloroethyl)ether
Concen: 0.037 ng
RT: 7.498 min Scan# 584
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

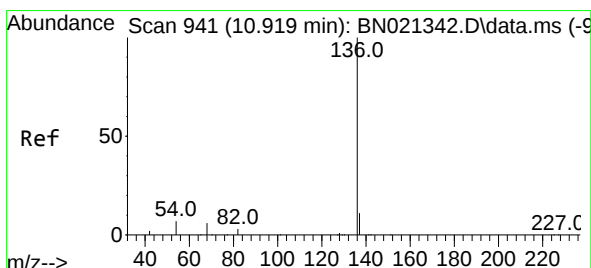
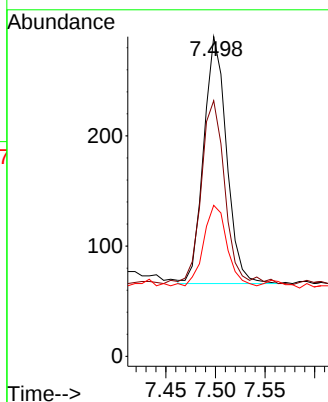
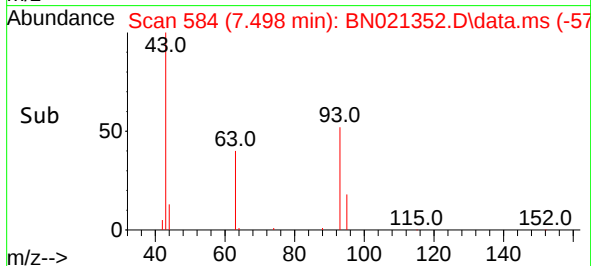
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816



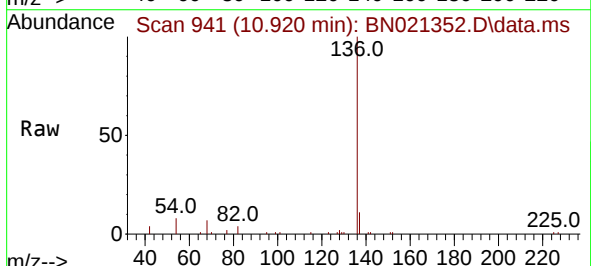
Tgt Ion: 93 Resp: 360
Ion Ratio Lower Upper
93 100
63 78.6 57.8 86.8
95 33.9 25.9 38.9

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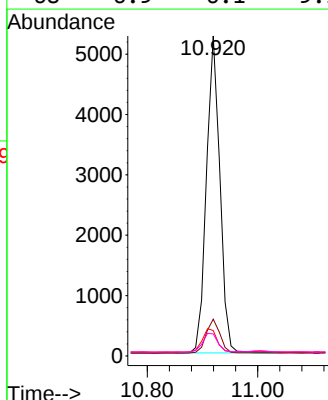
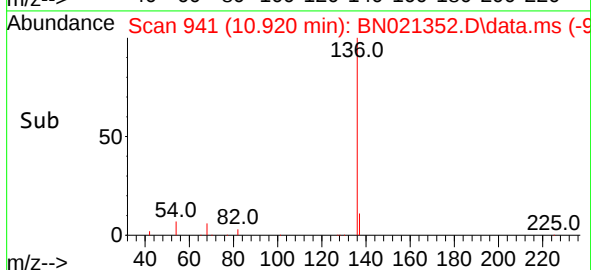
Reviewed By :Christian Giraldo 08/25/2022
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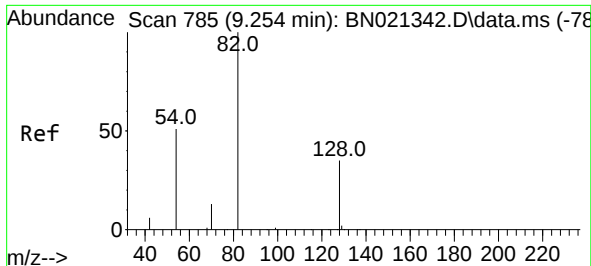


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.920 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54



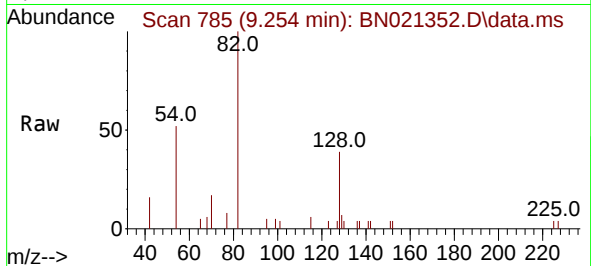
Tgt Ion:136 Resp: 8927
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 8.0 6.9 10.3
68 6.9 6.1 9.1





#8
Nitrobenzene-d5
Concen: 0.346 ng
RT: 9.254 min Scan# 785
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

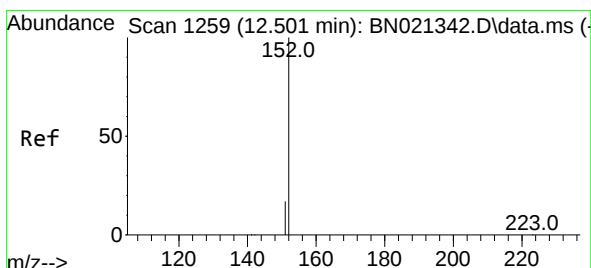
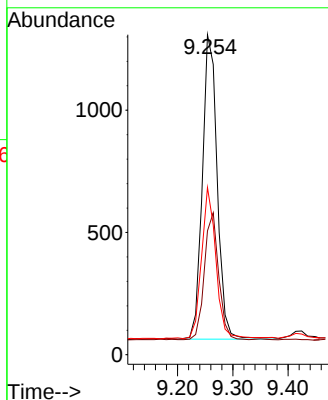
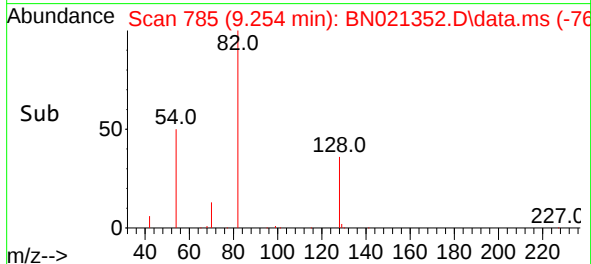
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816



Tgt Ion: 82 Resp: 2330
Ion Ratio Lower Upper
82 100
128 38.7 30.9 46.3
54 52.3 42.7 64.1

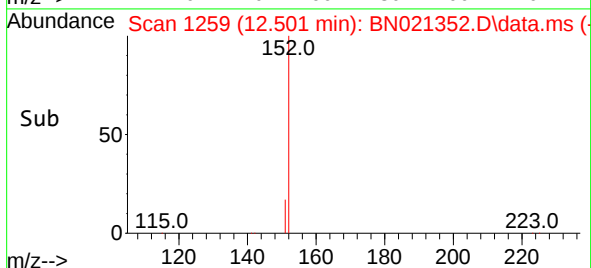
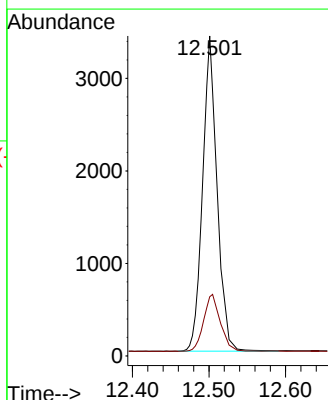
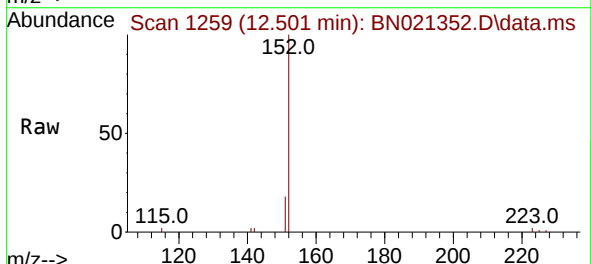
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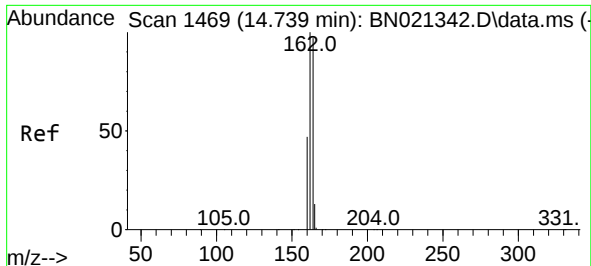
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022



#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 12.501 min Scan# 1259
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

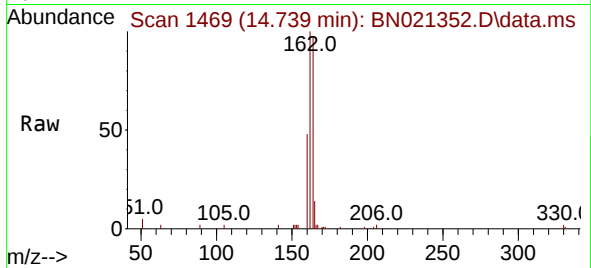
Tgt Ion:152 Resp: 5964
Ion Ratio Lower Upper
152 100
151 17.4 14.5 21.7





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.739 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

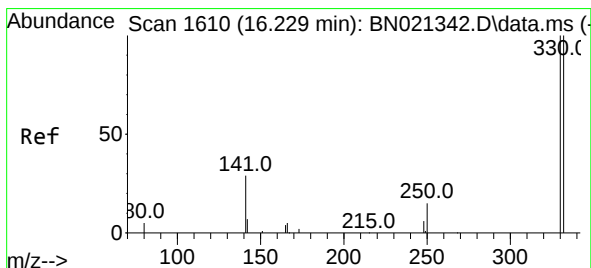
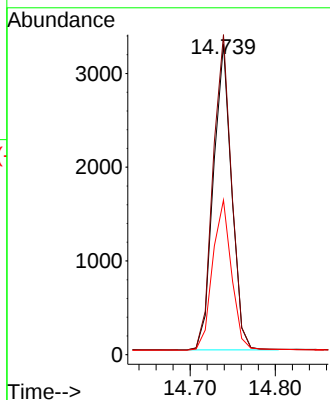
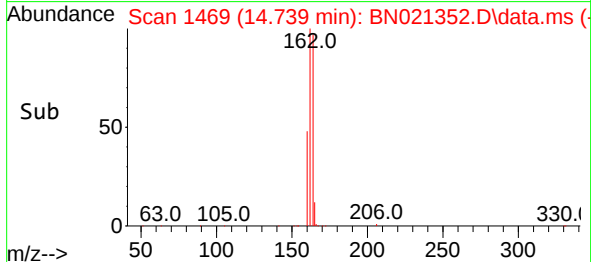
Instrument :
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ClientSampleId :
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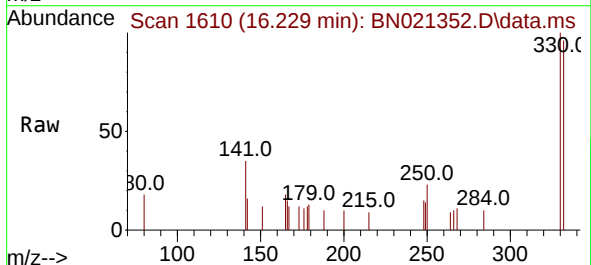
Tgt Ion:164 Resp: 4839
Ion Ratio Lower Upper
164 100
162 103.0 82.2 123.4
160 49.8 39.5 59.3

Manual Integrations
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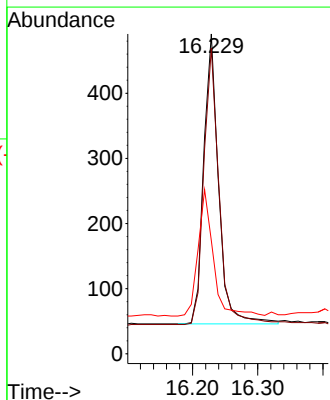
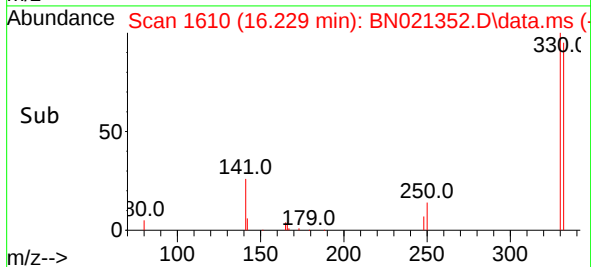
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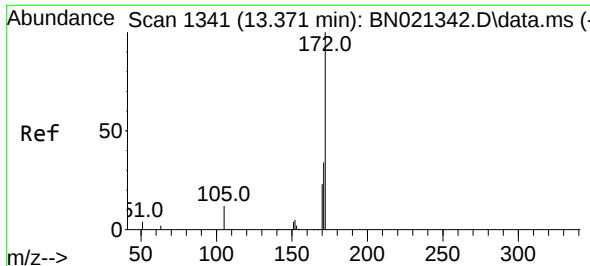


#14
2,4,6-Tribromophenol
Concen: 0.319 ng
RT: 16.229 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54



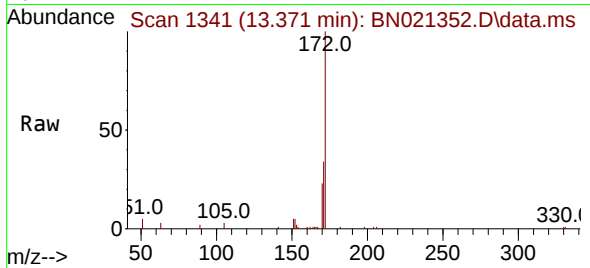
Tgt Ion:330 Resp: 707
Ion Ratio Lower Upper
330 100
332 97.2 79.3 118.9
141 44.3 37.1 55.7





#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 13.371 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

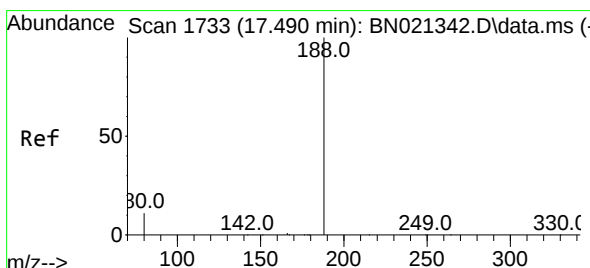
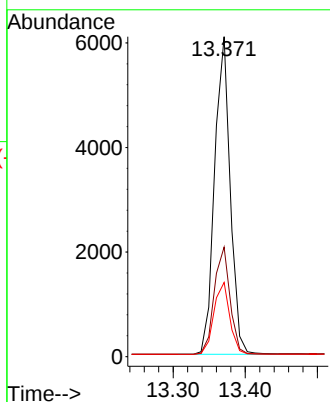
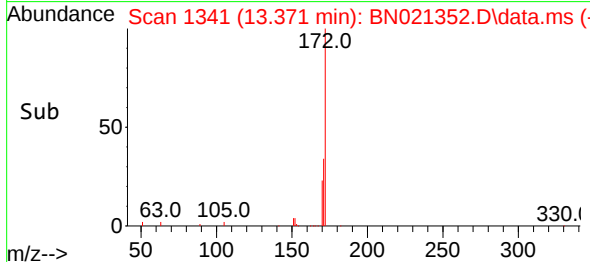
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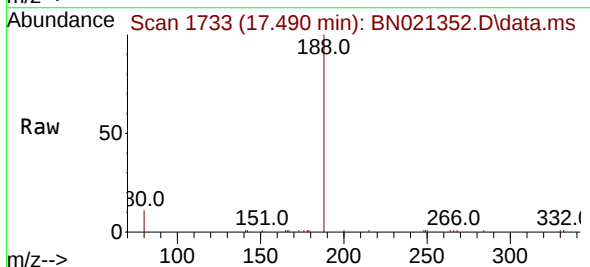
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.6
170	23.2	18.6	28.0

Manual Integrations
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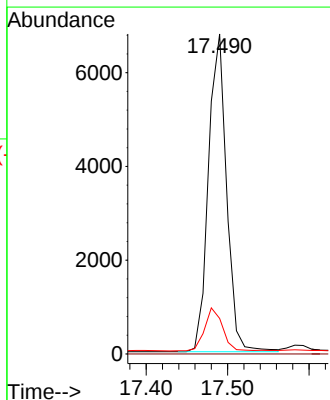
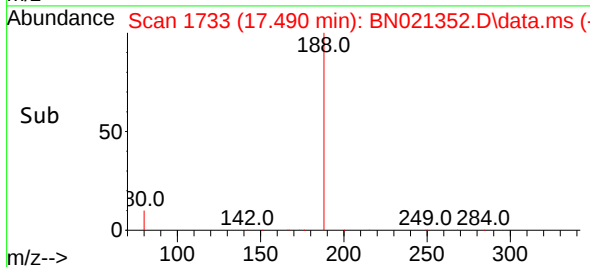
Reviewed By :Christian Giraldo 08/25/2022
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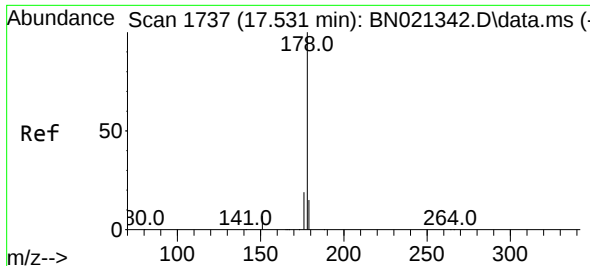


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.490 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54



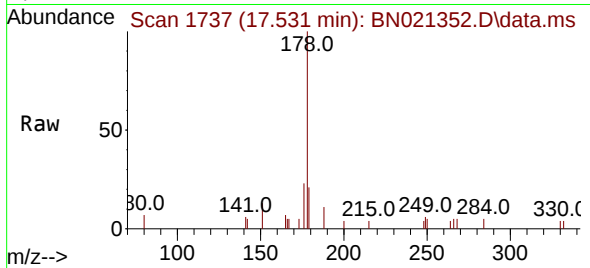
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	9.5	14.3





#25
Phenanthrene
Concen: 0.041 ng
RT: 17.531 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

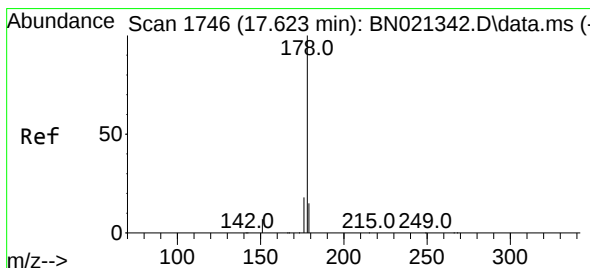
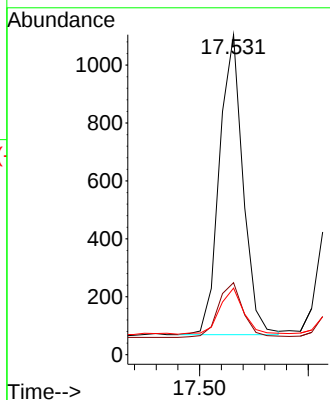
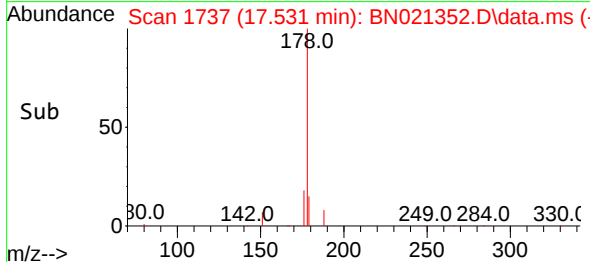
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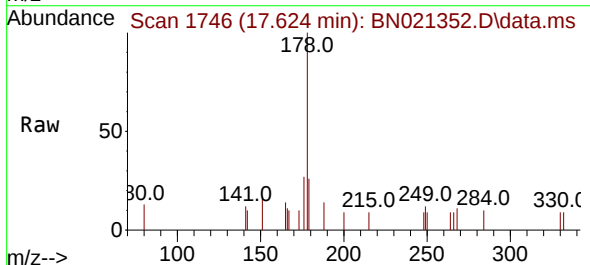
Tgt Ion:178 Resp: 1562
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.2 18.4

Manual Integrations
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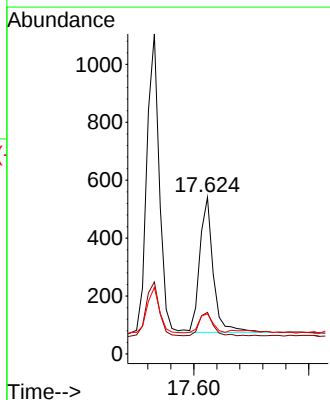
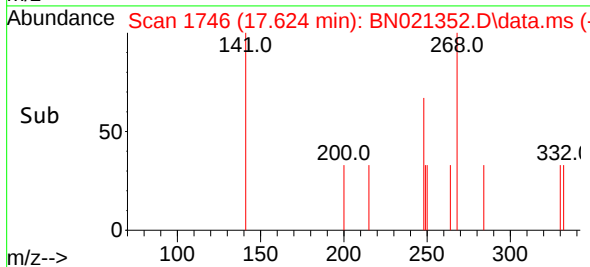
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022

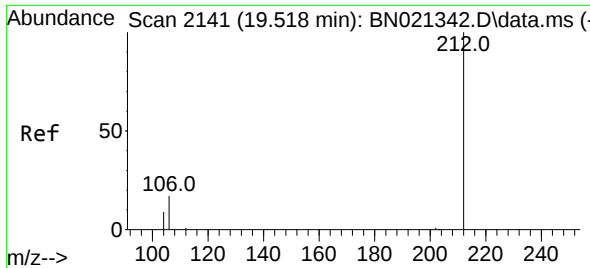


#26
Anthracene
Concen: 0.024 ng
RT: 17.624 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54



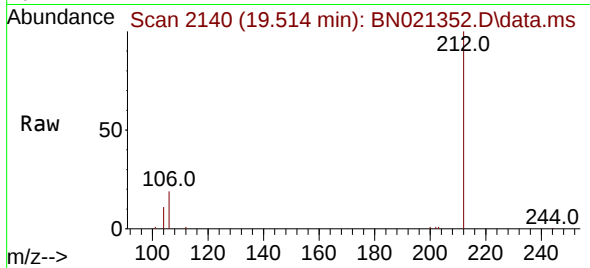
Tgt Ion:178 Resp: 766
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 14.5 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.441 ng
RT: 19.514 min Scan# 2140
Delta R.T. -0.004 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

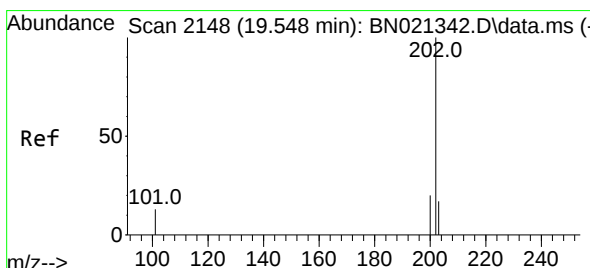
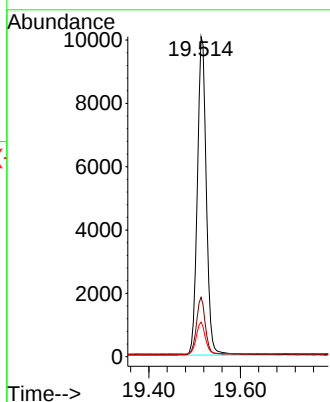
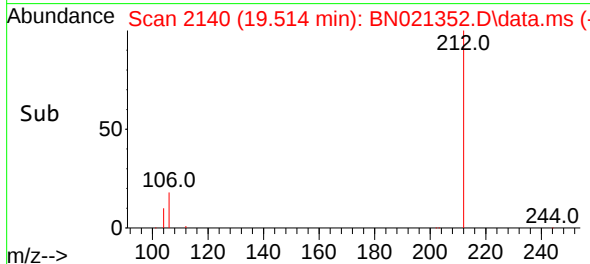
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816



Tgt Ion:212 Resp: 13780
Ion Ratio Lower Upper
212 100
106 17.5 14.2 21.2
104 10.0 7.8 11.6

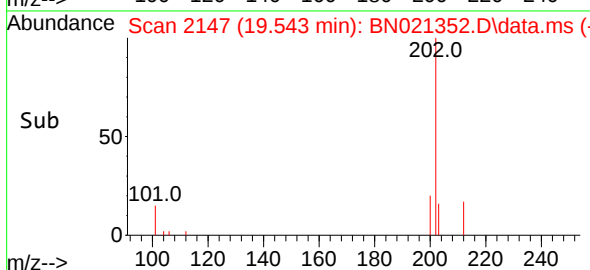
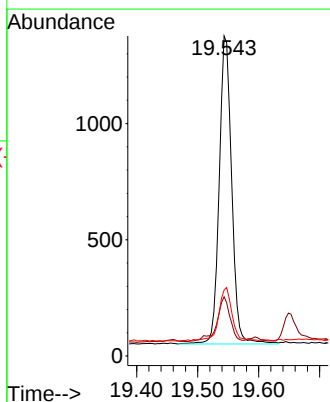
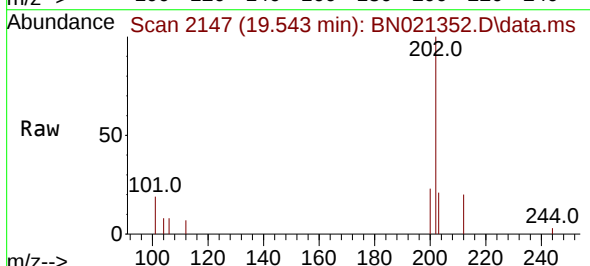
Manual Integrations
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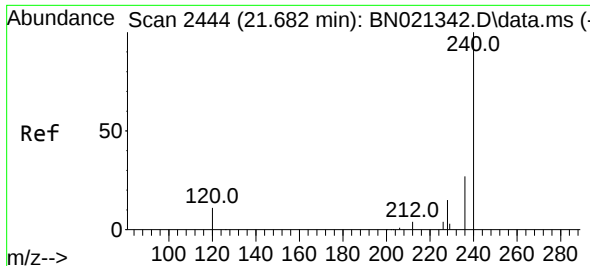
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022



#28
Fluoranthene
Concen: 0.044 ng
RT: 19.543 min Scan# 2147
Delta R.T. -0.004 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

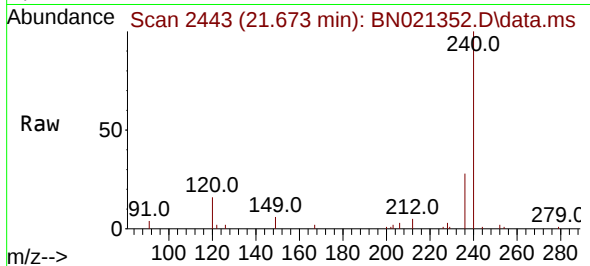
Tgt Ion:202 Resp: 1872
Ion Ratio Lower Upper
202 100
101 15.5 10.9 16.3
203 18.4 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.673 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

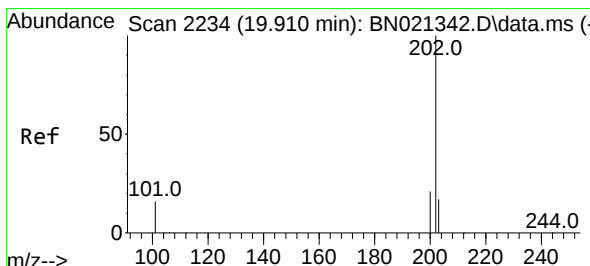
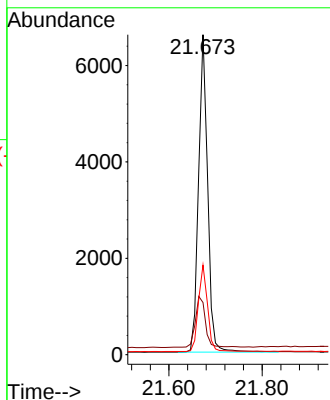
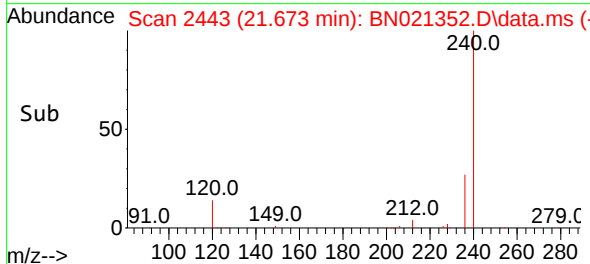
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816



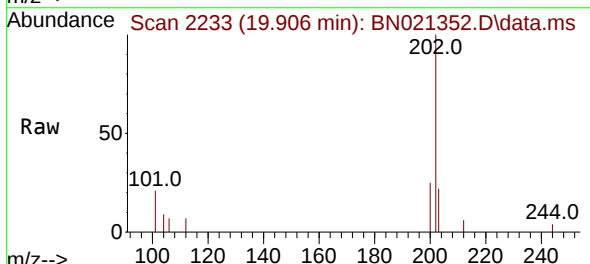
Tgt Ion:240 Resp: 8964
Ion Ratio Lower Upper
240 100
120 16.3 10.2 15.4#
236 28.0 22.1 33.1#

Manual Integrations
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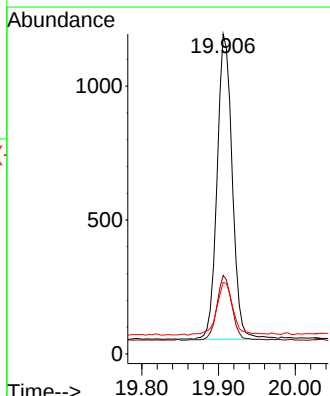
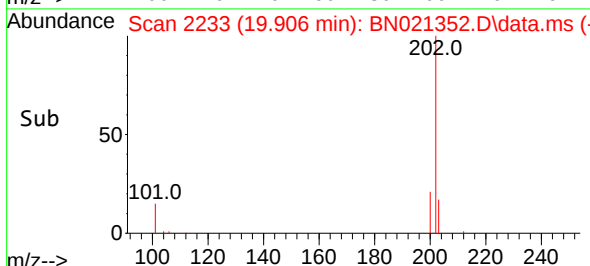
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022

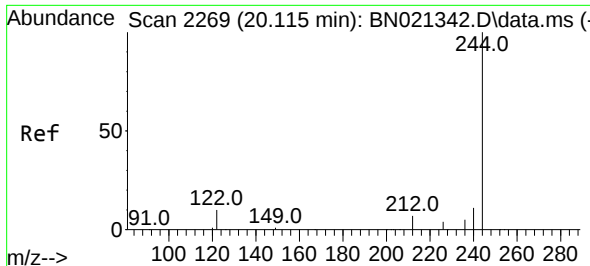


#30
Pyrene
Concen: 0.035 ng
RT: 19.906 min Scan# 2233
Delta R.T. -0.004 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54



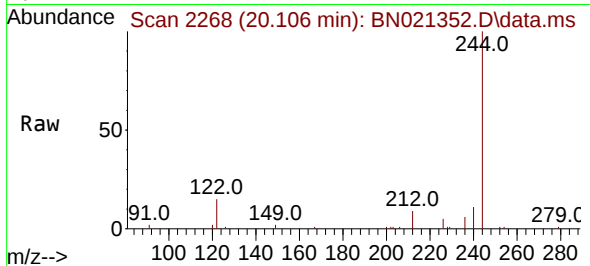
Tgt Ion:202 Resp: 1564
Ion Ratio Lower Upper
202 100
200 21.2 13.9 20.9#
203 19.0 11.9 17.9#





#31
 Terphenyl-d14
 Concen: 0.562 ng
 RT: 20.106 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

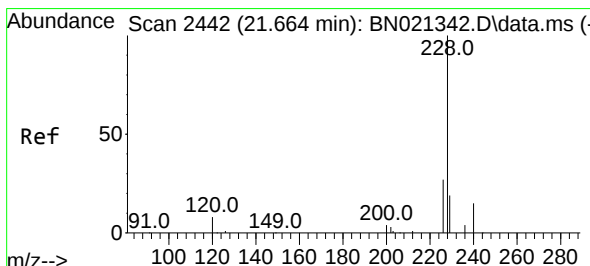
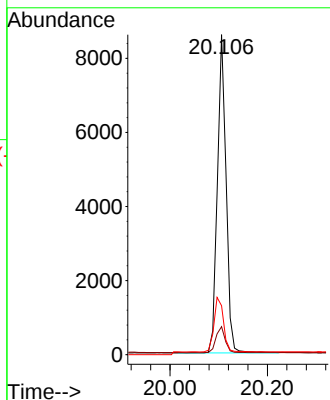
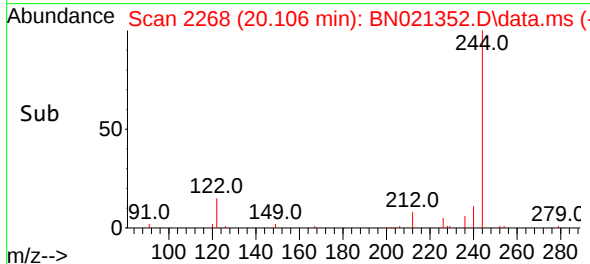
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20220816



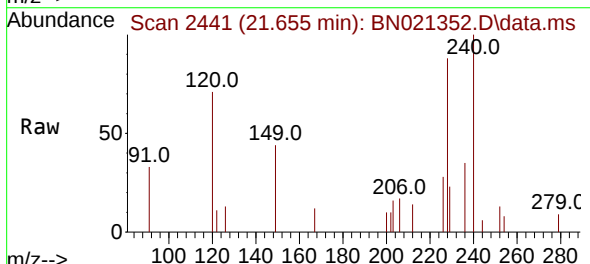
Tgt Ion:244 Resp: 10640
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.5 9.7
 122 15.3 9.1 13.7

Manual Integrations
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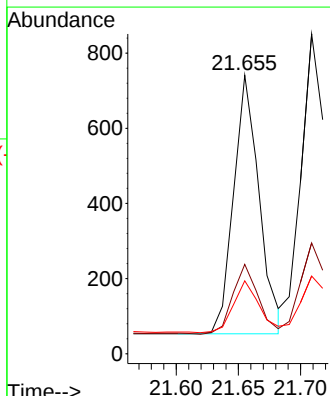
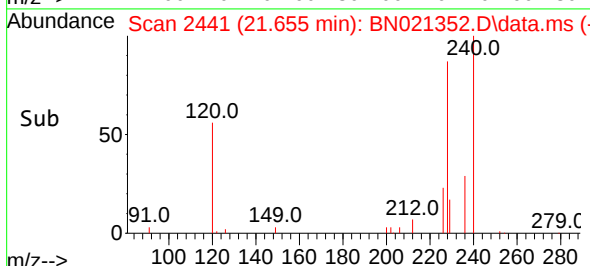
Reviewed By :Christian Giraldo 08/25/2022
 Supervised By :Jagrut Upadhyay 08/25/2022

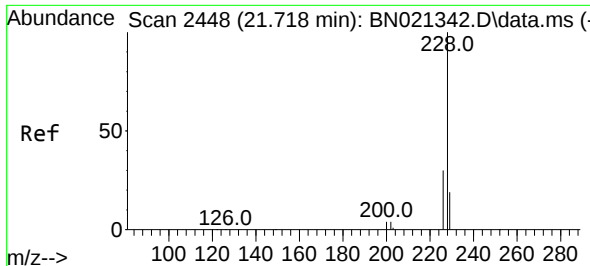


#32
 Benzo(a)anthracene
 Concen: 0.029 ng
 RT: 21.655 min Scan# 2441
 Delta R.T. -0.009 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54



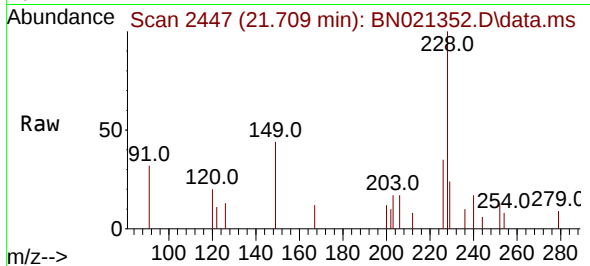
Tgt Ion:228 Resp: 982
 Ion Ratio Lower Upper
 228 100
 226 32.1 22.0 33.0
 229 26.2 15.9 23.9





#33
Chrysene
Concen: 0.030 ng
RT: 21.709 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

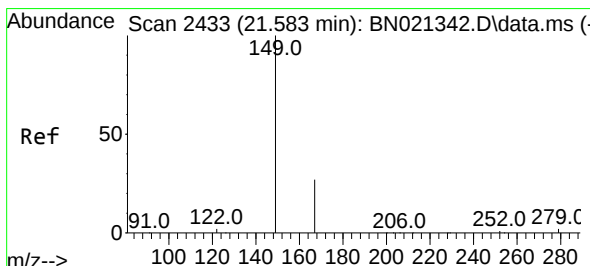
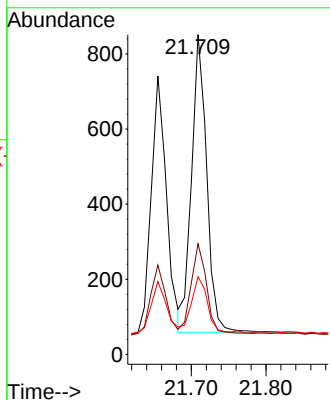
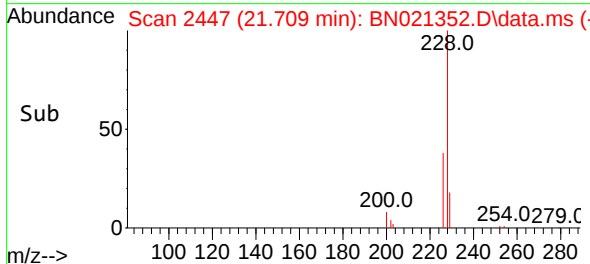
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816



Tgt Ion: 228 Resp: 112
Ion Ratio Lower Upper
228 100
226 34.7 24.2 36.2
229 24.3 15.9 23.9

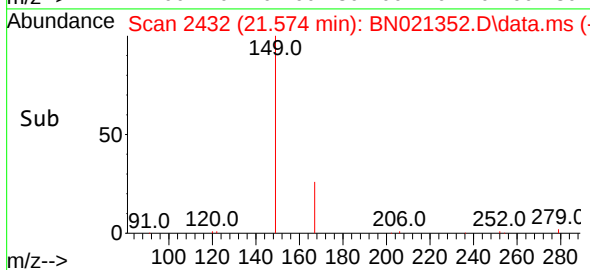
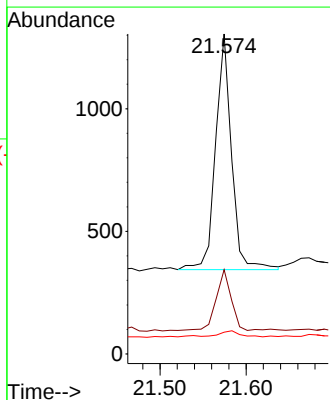
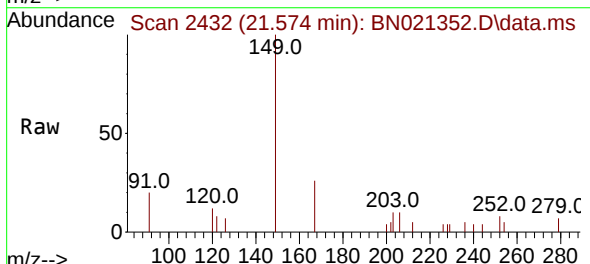
Manual Integrations
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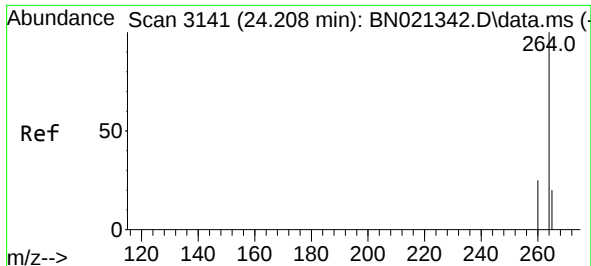
Reviewed By : Christian Giraldo 08/25/2022
Supervised By : Jagrut Upadhyay 08/25/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.076 ng
RT: 21.574 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

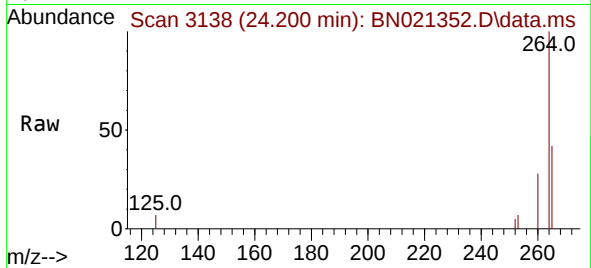
Tgt Ion: 149 Resp: 1236
Ion Ratio Lower Upper
149 100
167 25.4 21.4 32.0
279 3.1 2.2 3.2





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.200 min Scan# 3141
 Delta R.T. -0.009 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

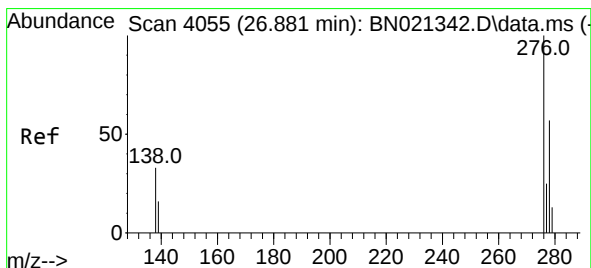
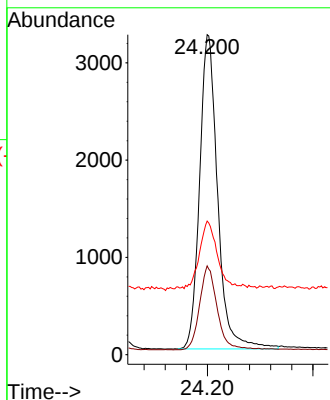
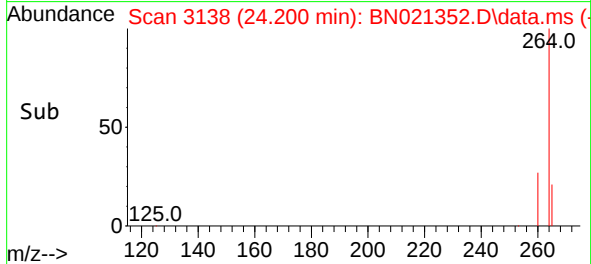
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20220816



Tgt Ion:264 Resp: 7670
 Ion Ratio Lower Upper
 264 100
 260 27.7 21.0 31.6
 265 41.7 32.2 48.2

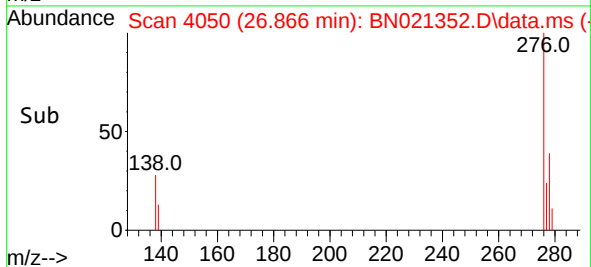
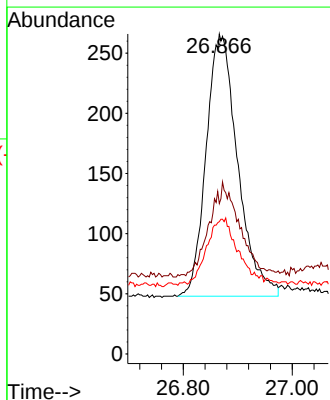
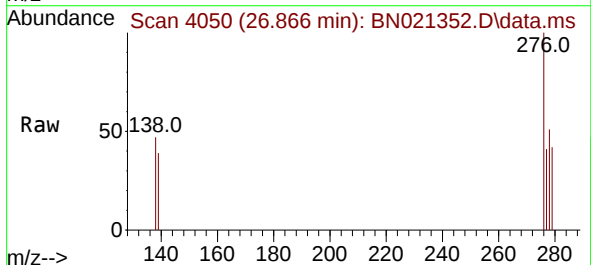
Manual Integrations
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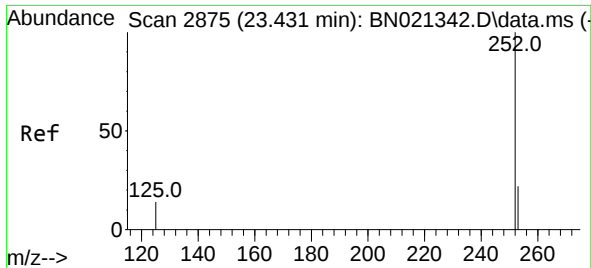
Reviewed By :Christian Giraldo 08/25/2022
 Supervised By :Jagrut Upadhyay 08/25/2022



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.022 ng
 RT: 26.866 min Scan# 4050
 Delta R.T. -0.015 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

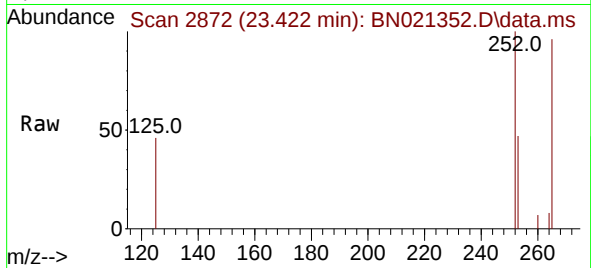
Tgt Ion:276 Resp: 877
 Ion Ratio Lower Upper
 276 100
 138 13.2 27.4 41.2#
 277 23.5 19.9 29.9





#37
Benzo(b)fluoranthene
Concen: 0.033 ng
RT: 23.422 min Scan# 2872
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

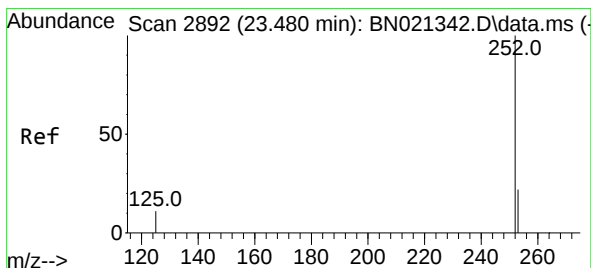
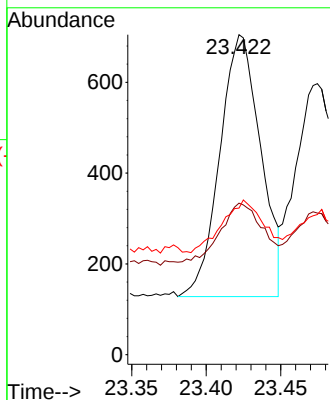
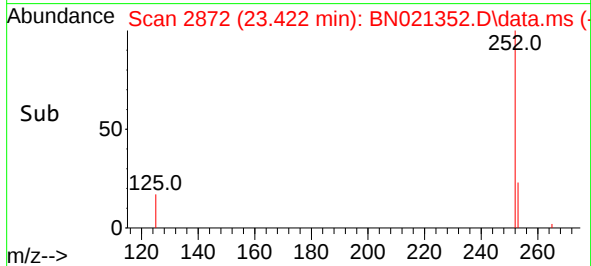
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816



Tgt Ion:252 Resp: 1100
Ion Ratio Lower Upper
252 100
253 47.4 19.8 29.6
125 45.8 13.7 20.5

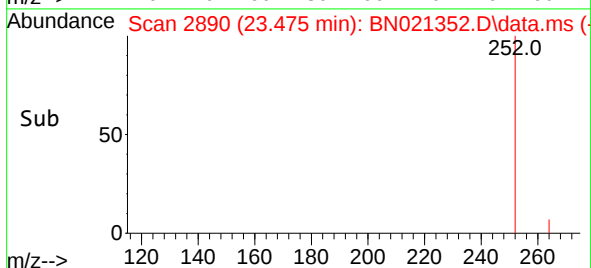
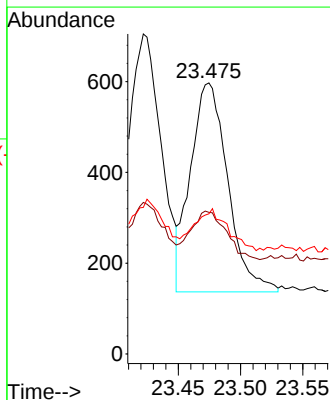
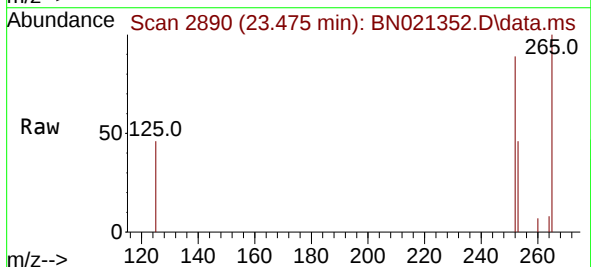
Manual Integrations
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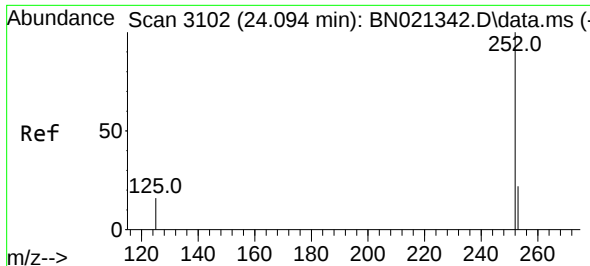
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022



#38
Benzo(k)fluoranthene
Concen: 0.028 ng m
RT: 23.475 min Scan# 2890
Delta R.T. -0.006 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:252 Resp: 962
Ion Ratio Lower Upper
252 100
253 52.3 19.5 29.3#
125 51.8 12.3 18.5#





#39

Benzo(a)pyrene

Concen: 0.020 ng

RT: 24.086 min Scan# 3099

Delta R.T. -0.009 min

Lab File: BN021352.D

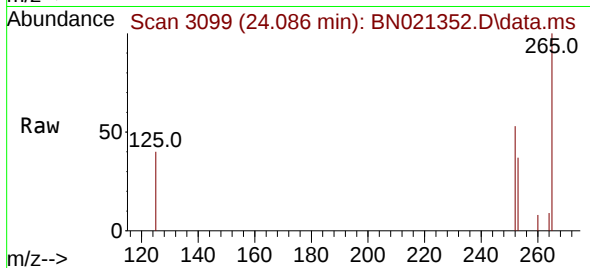
Acq: 25 Aug 2022 00:54

Instrument :

BN021352.D

ClientSampleId :

MW179D2-20220816



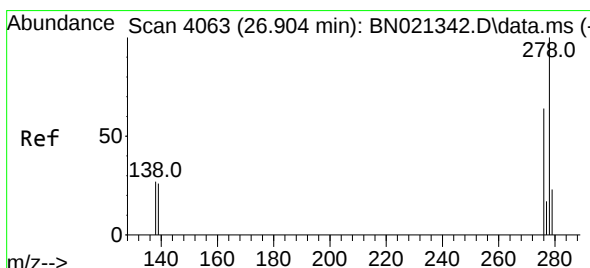
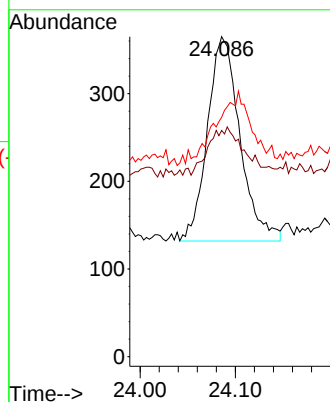
Tgt Ion	Ratio	Lower	Upper
252	100		
253	70.7	21.1	31.7
125	74.8	16.6	25.0

Manual Integrations

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Reviewed By :Christian Giraldo 08/25/2022

Supervised By :Jagrut Upadhyay 08/25/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.021 ng

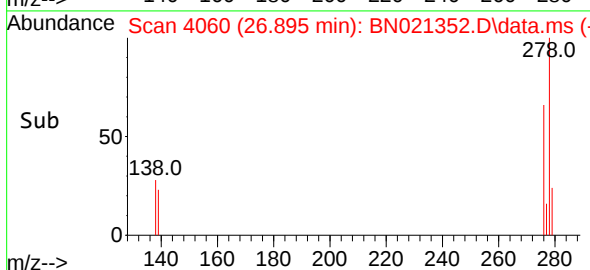
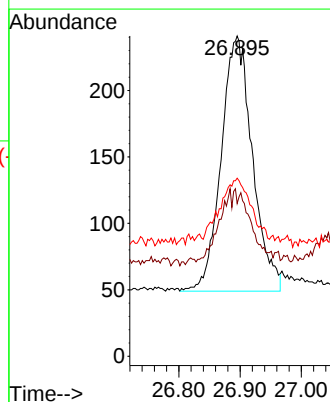
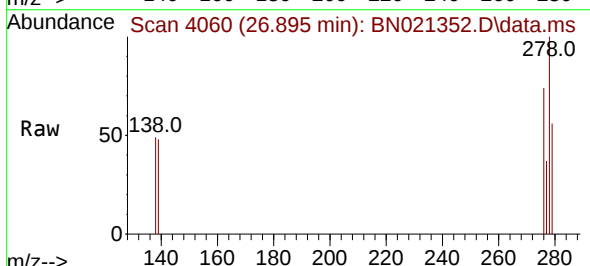
RT: 26.895 min Scan# 4060

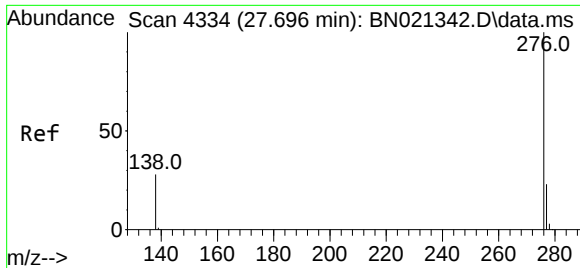
Delta R.T. -0.009 min

Lab File: BN021352.D

Acq: 25 Aug 2022 00:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	47.7	21.8	32.6
279	55.6	20.4	30.6





#41

Benzo(g,h,i)perylene

Concen: 0.024 ng

RT: 27.688 min Scan# 41

Delta R.T. -0.009 min

Lab File: BN021352.D

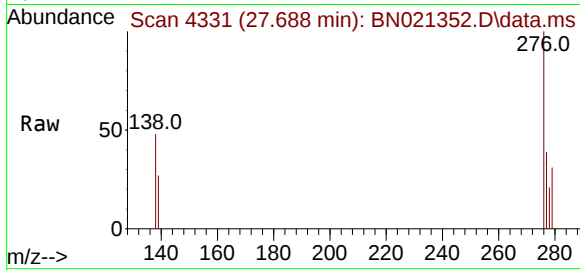
Acq: 25 Aug 2022 00:54

Instrument :

BNA_N

ClientSampleId :

MW179D2-20220816



Tgt Ion:276 Resp: 820

Ion Ratio Lower Upper

276 100

277 39.4 19.7 29.5

138 48.2 23.7 35.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/25/2022

Supervised By :Jagrut Upadhyay 08/25/2022

