

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082422\
 Data File : BN021362.D
 Acq On : 25 Aug 2022 08:26
 Operator : CG/JU
 Sample : N4245-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW8-MW01S-20220816

Quant Time: Aug 25 16:21:44 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 08/26/2022
 Supervised By : Jagrut Upadhyay 08/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.083	152	2991	0.400	ng	0.00
7) Naphthalene-d8	10.919	136	9216	0.400	ng	0.00
13) Acenaphthene-d10	14.739	164	4972	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	10691	0.400	ng	#-0.01
29) Chrysene-d12	21.673	240	8826	0.400	ng	# 0.00
35) Perylene-d12	24.202	264	7269	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.606	112	835	0.103	ng	0.00
5) Phenol-d6	7.231	99	605	0.060	ng	0.00
8) Nitrobenzene-d5	9.254	82	1975	0.283	ng	0.00
11) 2-Methylnaphthalene-d10	12.501	152	6100	0.392	ng	0.00
14) 2,4,6-Tribromophenol	16.229	330	575	0.252	ng	0.00
15) 2-Fluorobiphenyl	13.360	172	7362	0.331	ng	-0.01
27) Fluoranthene-d10	19.514	212	12119	0.379	ng	0.00
31) Terphenyl-d14	20.106	244	8513	0.457	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.410	88	2349	0.566	ng	# 90
25) Phenanthrene	17.521	178	1793	0.046	ng	98
26) Anthracene	17.613	178	1148	0.036	ng	99
28) Fluoranthene	19.543	202	2852	0.066	ng	99
30) Pyrene	19.906	202	2804	0.063	ng	# 92
32) Benzo(a)anthracene	21.655	228	1869	0.056	ng	93
33) Chrysene	21.709	228	2195	0.060	ng	95
34) Bis(2-ethylhexyl)phtha...	21.574	149	5668	0.352	ng	98
36) Indeno(1,2,3-cd)pyrene	26.869	276	1964m	0.053	ng	
37) Benzo(b)fluoranthene	23.425	252	2092	0.065	ng	# 78
38) Benzo(k)fluoranthene	23.474	252	1920	0.058	ng	# 71
39) Benzo(a)pyrene	24.086	252	1382	0.053	ng	# 59
40) Dibenzo(a,h)anthracene	26.889	278	1481	0.049	ng	# 79
41) Benzo(g,h,i)perylene	27.690	276	1853	0.058	ng	# 86

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

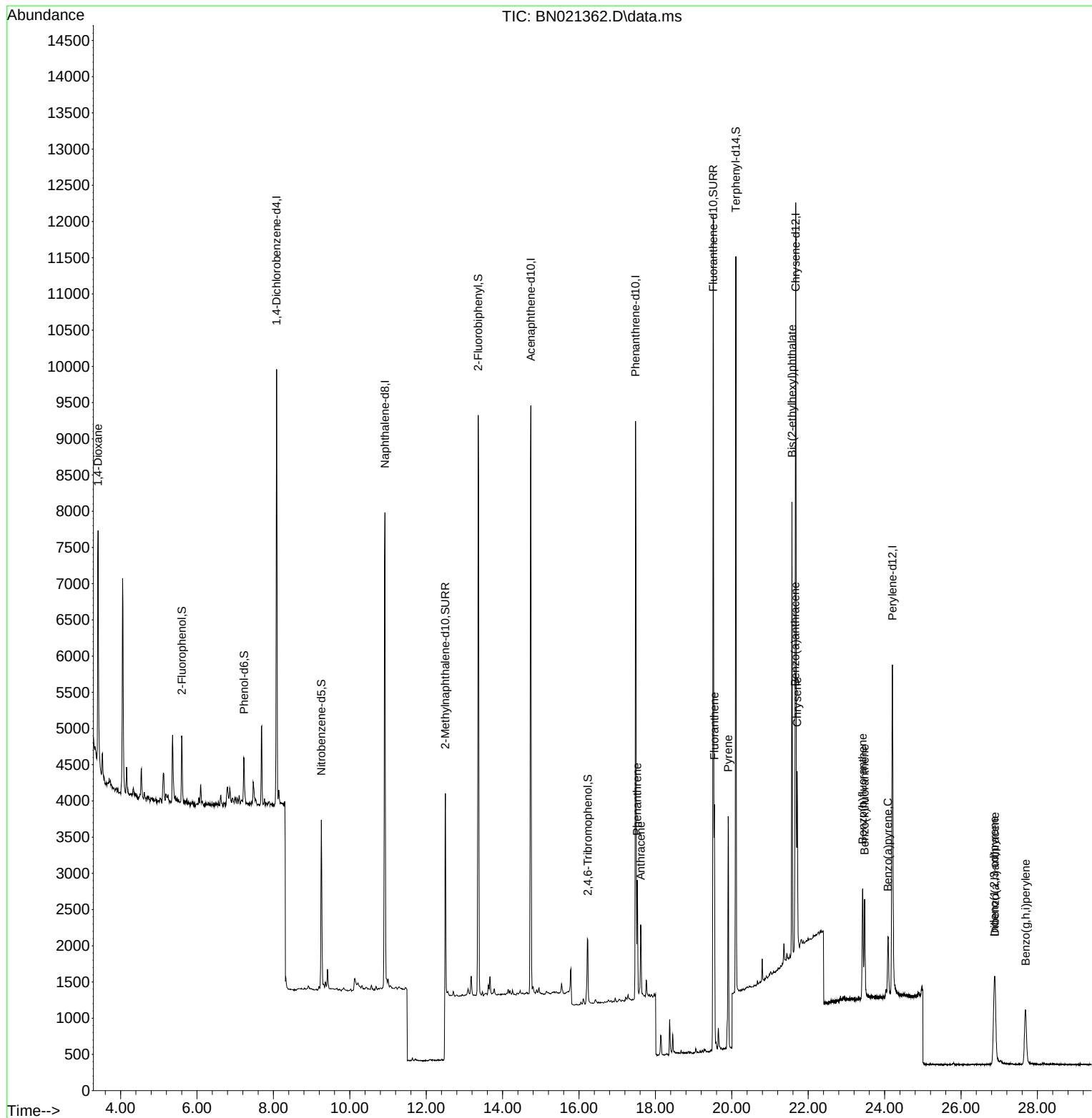
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082422\
Data File : BN021362.D
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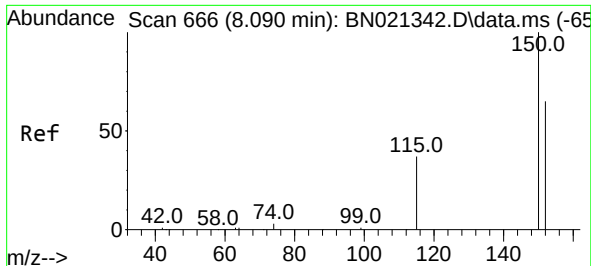
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Quant Time: Aug 25 16:21:44 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082422.M
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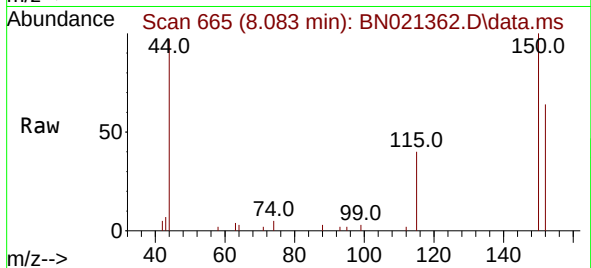
Reviewed By : Christian Giraldo 08/26/2022
Supervised By : Jagrut Upadhyay 08/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.083 min Scan# 60
Delta R.T. -0.007 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

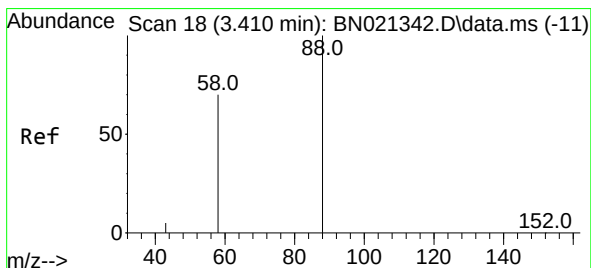
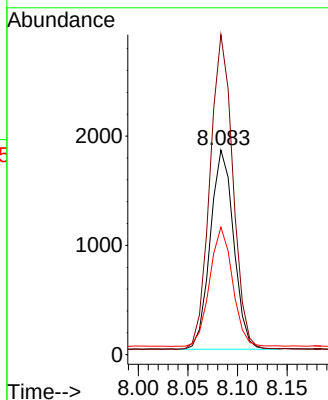
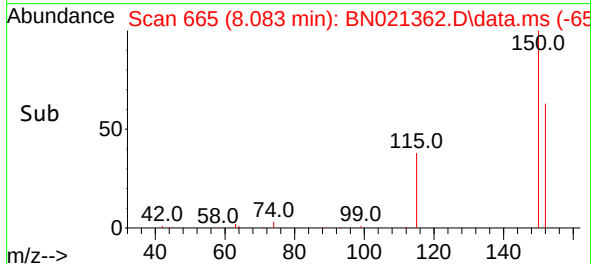
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20220816



Tgt Ion: 152 Resp: 299
Ion Ratio Lower Upper
152 100
150 156.3 121.4 182.0
115 62.3 48.6 72.8

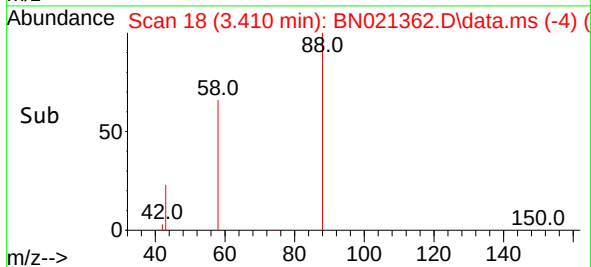
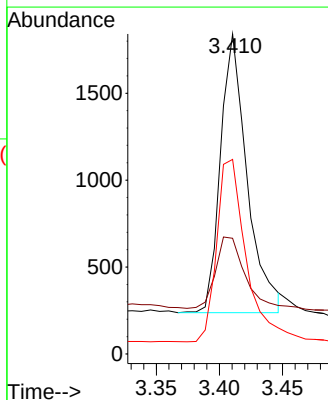
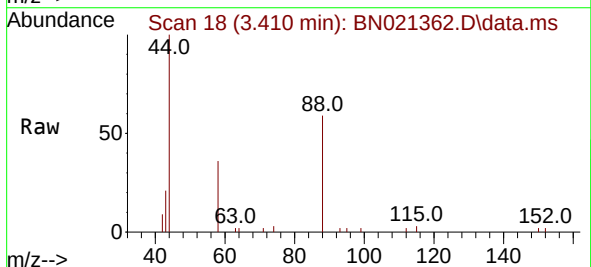
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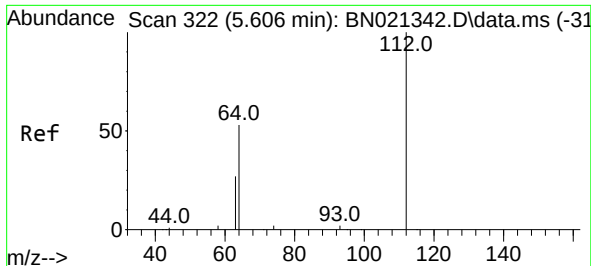
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#2
1,4-Dioxane
Concen: 0.566 ng
RT: 3.410 min Scan# 18
Delta R.T. 0.000 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

Tgt Ion: 88 Resp: 2349
Ion Ratio Lower Upper
88 100
43 27.5 35.8 53.8#
58 71.3 57.1 85.7





#4

2-Fluorophenol

Concen: 0.103 ng

RT: 5.606 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN021362.D

Acq: 25 Aug 2022 08:26

Instrument :

BNA_N

ClientSampleId :

RW8-MW01S-20220816

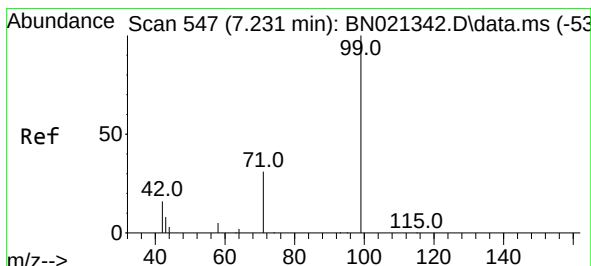
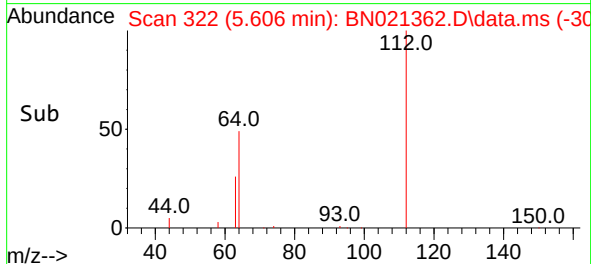
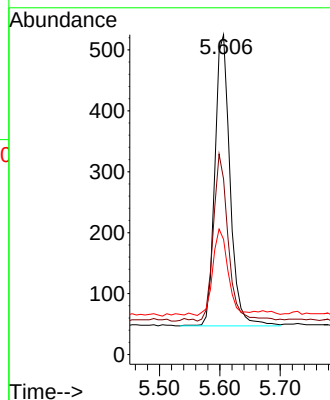
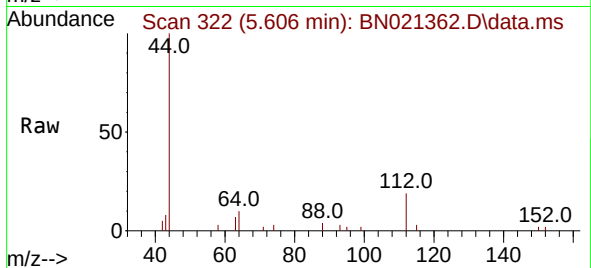
Tgt Ion:	112	Resp:	83
Ion Ratio	Lower	Upper	
112	100		
64	56.4	43.5	65.3
63	29.7	22.6	34.0

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#5

Phenol-d6

Concen: 0.060 ng

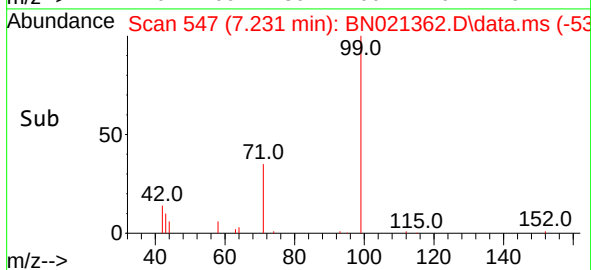
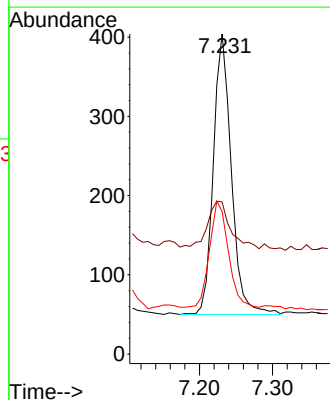
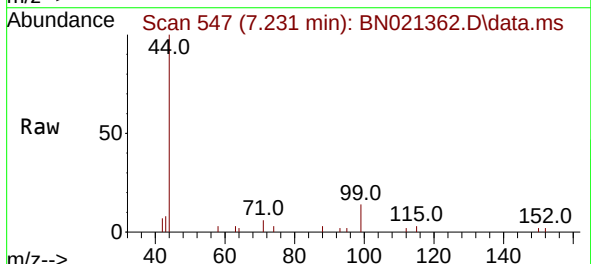
RT: 7.231 min Scan# 547

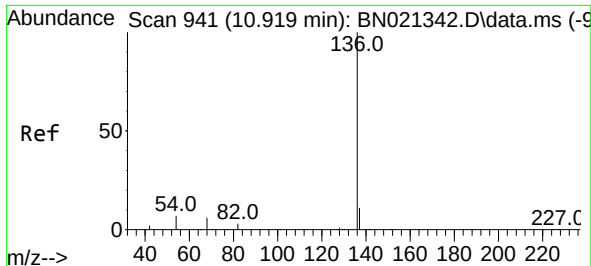
Delta R.T. 0.000 min

Lab File: BN021362.D

Acq: 25 Aug 2022 08:26

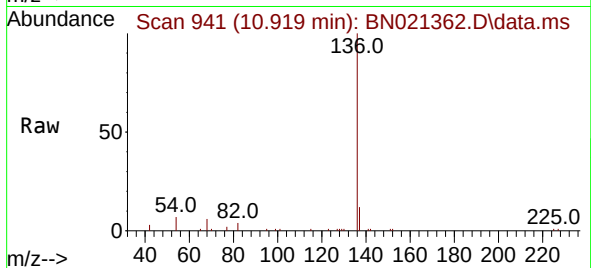
Tgt Ion:	99	Resp:	605
Ion Ratio	Lower	Upper	
99	100		
42	21.0	15.5	23.3
71	40.3	24.2	36.2





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.919 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

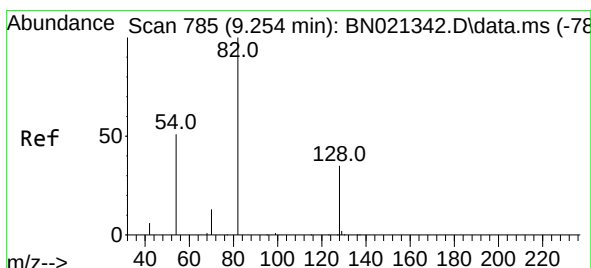
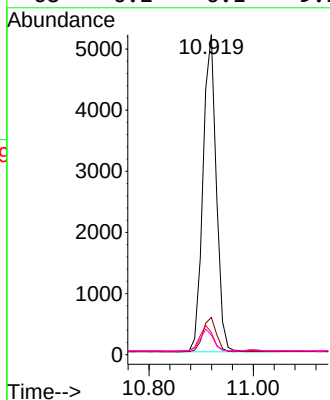
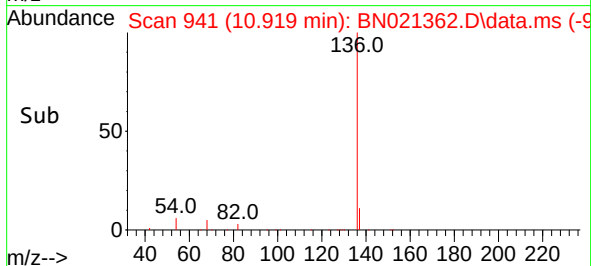
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Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	6.9	6.9	10.3
68	6.2	6.1	9.1

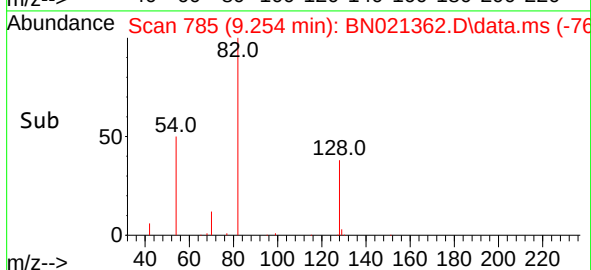
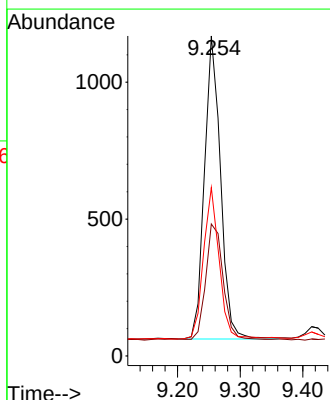
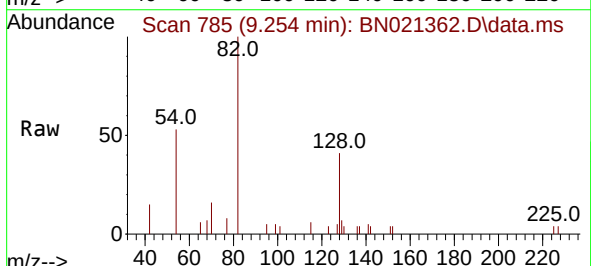
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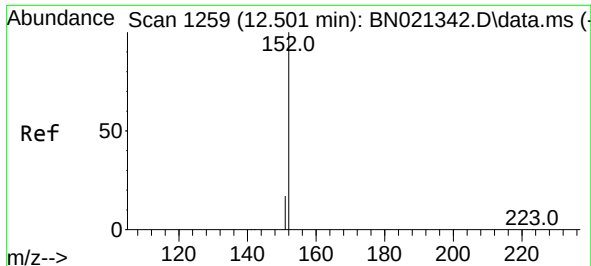
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#8
Nitrobenzene-d5
Concen: 0.283 ng
RT: 9.254 min Scan# 785
Delta R.T. 0.000 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

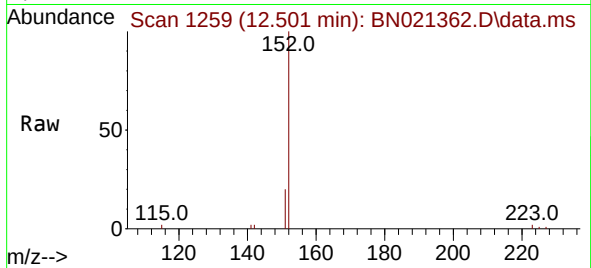
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.2	30.9	46.3
54	52.6	42.7	64.1





#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 12.501 min Scan# 1259
Delta R.T. 0.000 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

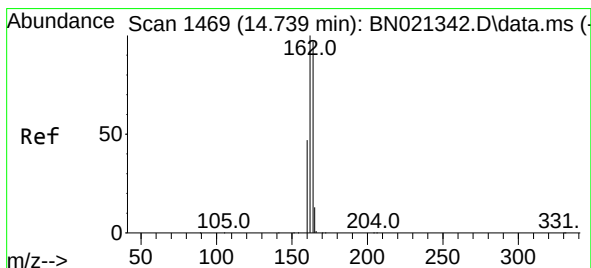
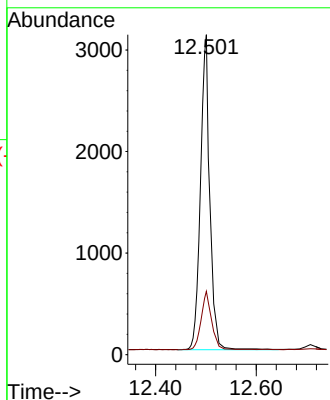
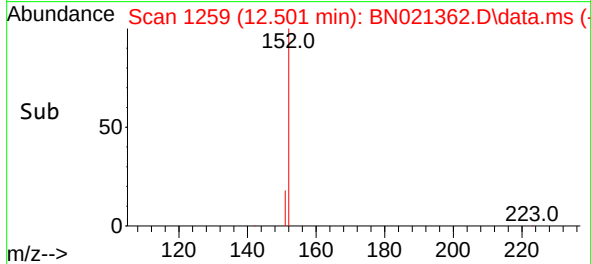
Instrument :
BNA_N
ClientSampleId :
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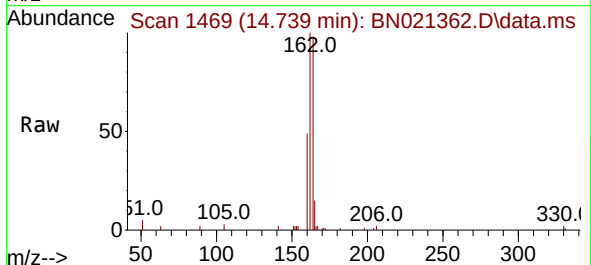
Tgt Ion:152 Resp: 6100
Ion Ratio Lower Upper
152 100
151 17.8 14.5 21.7

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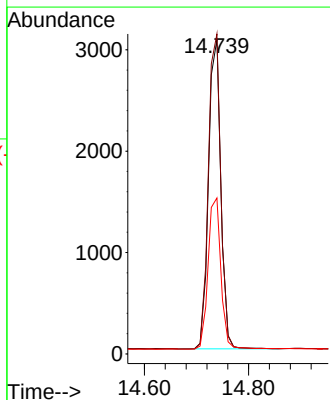
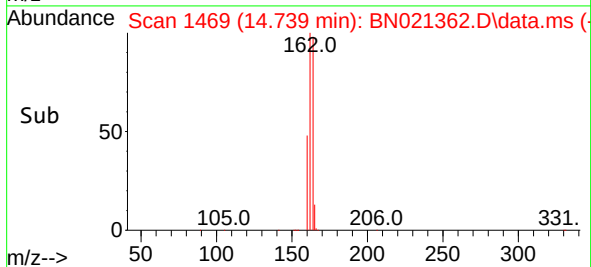
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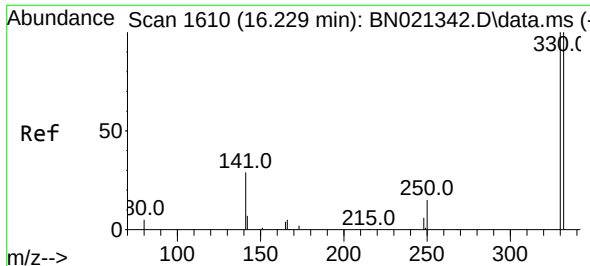


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.739 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26



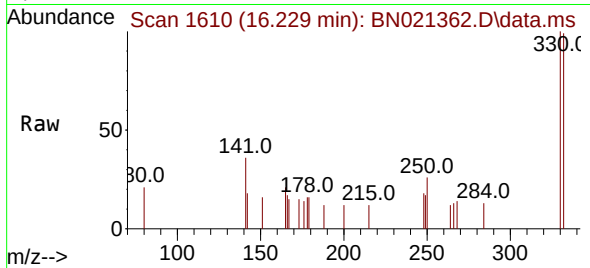
Tgt Ion:164 Resp: 4972
Ion Ratio Lower Upper
164 100
162 101.8 82.2 123.4
160 49.6 39.5 59.3





#14
2,4,6-Tribromophenol
Concen: 0.252 ng
RT: 16.229 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

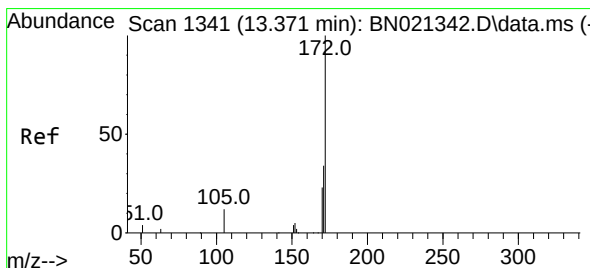
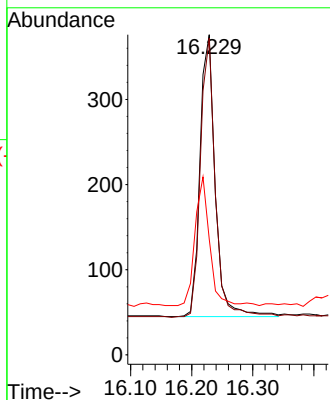
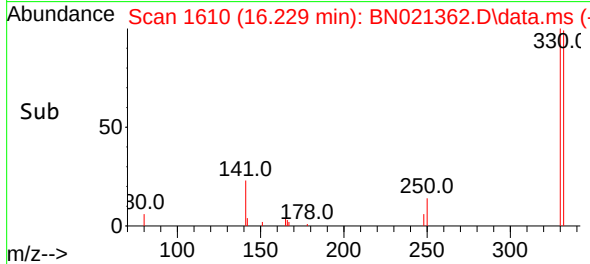
Instrument :
BNA_N
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RW8-MW01S-20220816



Tgt Ion: 330 Resp: 579
Ion Ratio Lower Upper
330 100
332 97.4 79.3 118.9
141 43.5 37.1 55.7

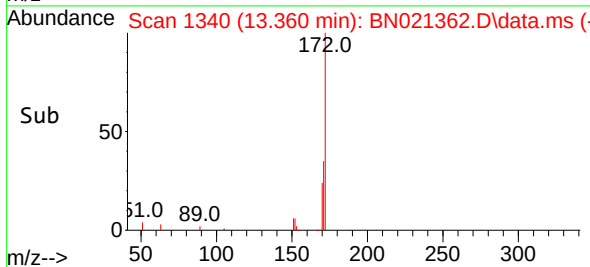
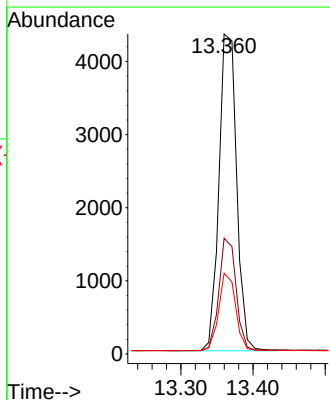
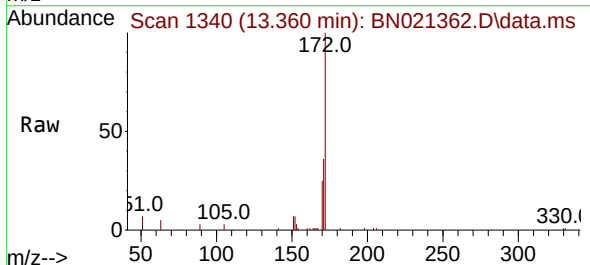
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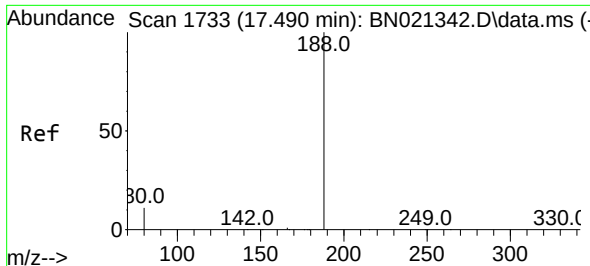
Reviewed By : Christian Giraldo 08/26/2022
Supervised By : Jagrut Upadhyay 08/26/2022



#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 13.360 min Scan# 1340
Delta R.T. -0.011 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

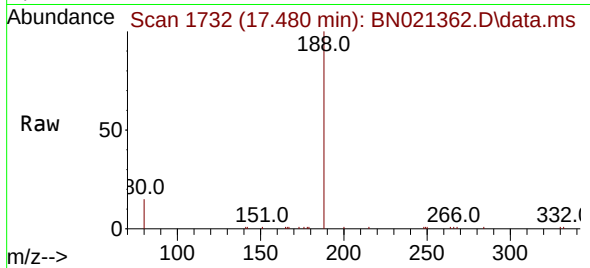
Tgt Ion: 172 Resp: 7362
Ion Ratio Lower Upper
172 100
171 36.2 27.8 41.6
170 25.3 18.6 28.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1732
Delta R.T. -0.010 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

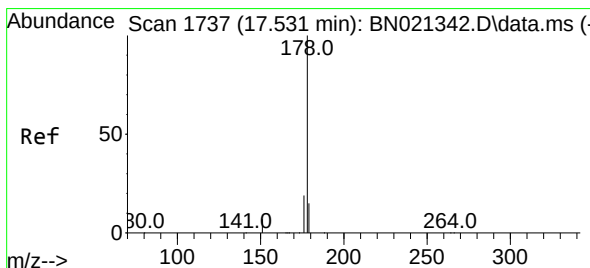
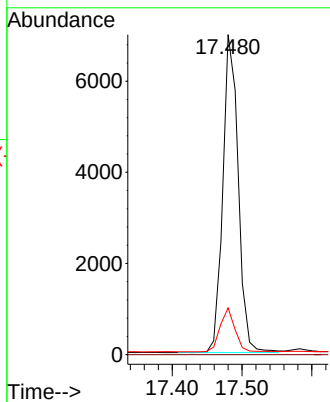
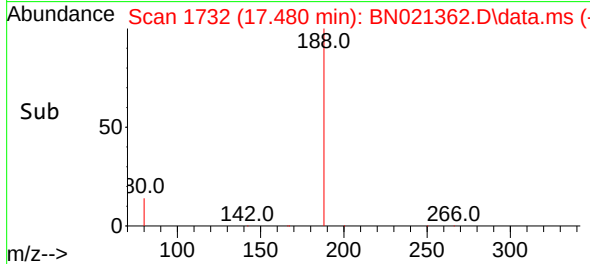
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Tgt Ion:188 Resp: 1069
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.6 9.5 14.3

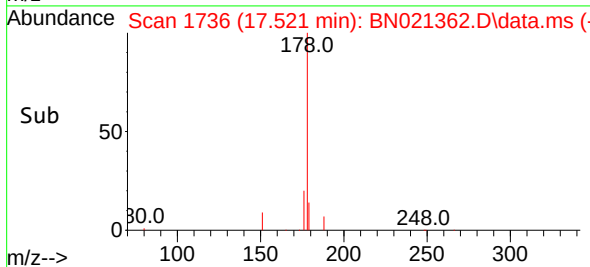
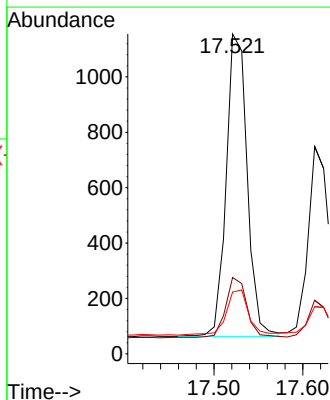
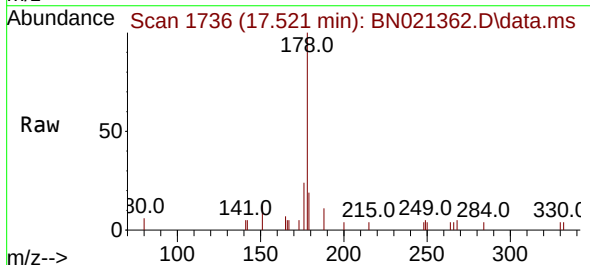
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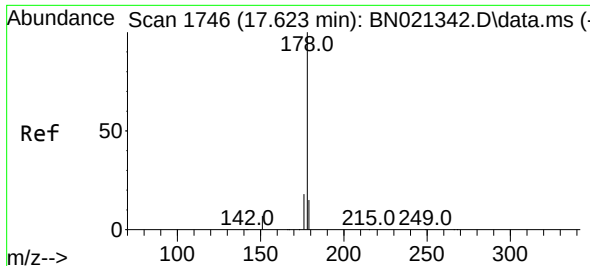
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#25
Phenanthrene
Concen: 0.046 ng
RT: 17.521 min Scan# 1736
Delta R.T. -0.010 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

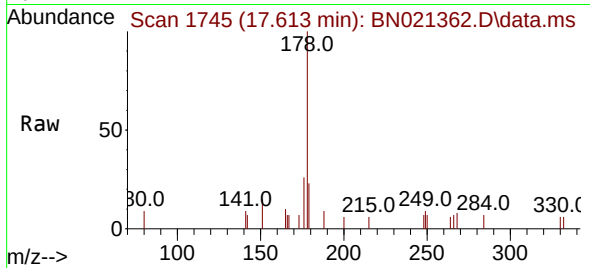
Tgt Ion:178 Resp: 1793
Ion Ratio Lower Upper
178 100
176 20.5 15.4 23.2
179 15.8 12.2 18.4





#26
 Anthracene
 Concen: 0.036 ng
 RT: 17.613 min Scan# 1148
 Delta R.T. -0.010 min
 Lab File: BN021362.D
 Acq: 25 Aug 2022 08:26

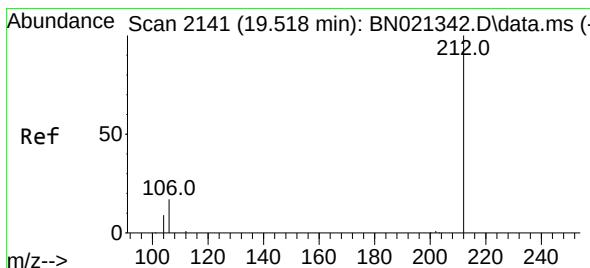
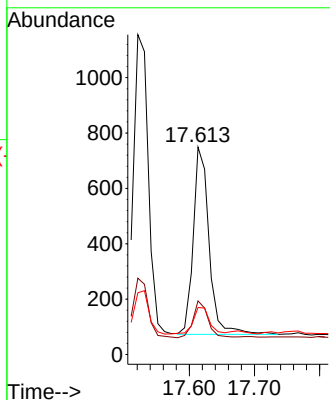
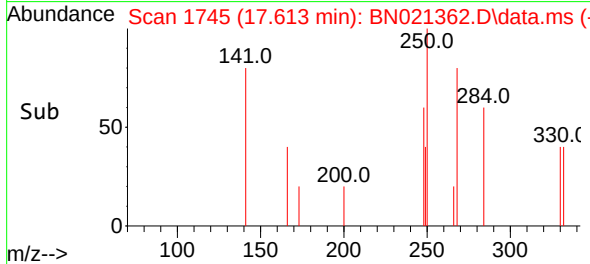
Instrument :
 BNA_N
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 RW8-MW01S-20220816



Tgt Ion:178 Resp: 1148
 Ion Ratio Lower Upper
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 176 18.4 14.6 22.0
 179 14.1 12.2 18.2

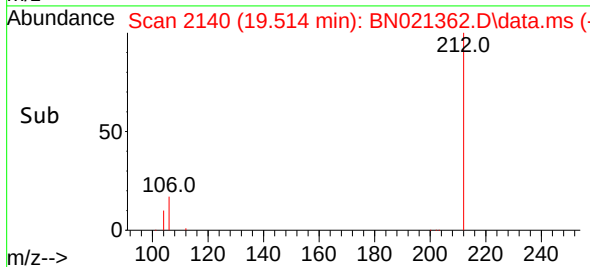
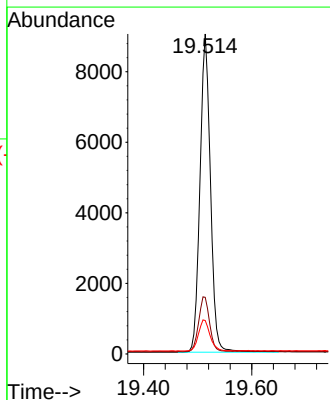
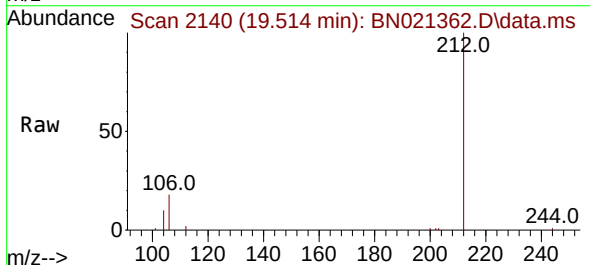
Manual Integrations
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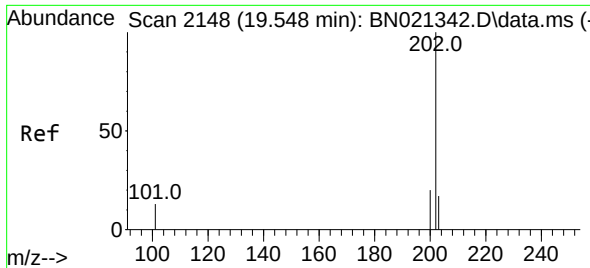
Reviewed By :Christian Giraldo 08/26/2022
 Supervised By :Jagrut Upadhyay 08/26/2022



#27
 Fluoranthene-d10
 Concen: 0.379 ng
 RT: 19.514 min Scan# 2140
 Delta R.T. -0.004 min
 Lab File: BN021362.D
 Acq: 25 Aug 2022 08:26

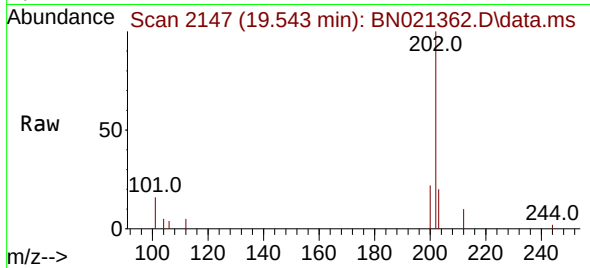
Tgt Ion:212 Resp: 12119
 Ion Ratio Lower Upper
 212 100
 106 18.0 14.2 21.2
 104 10.9 7.8 11.6





#28
Fluoranthene
Concen: 0.066 ng
RT: 19.543 min Scan# 2147
Delta R.T. -0.004 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

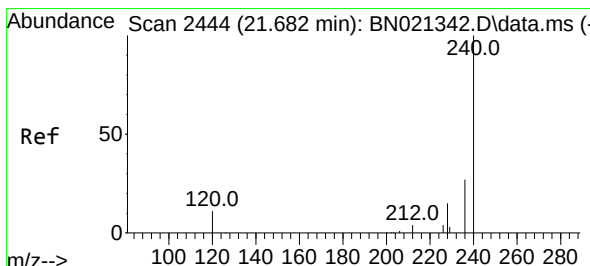
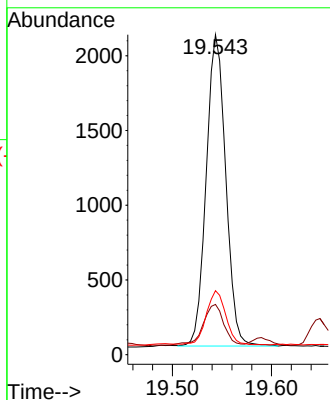
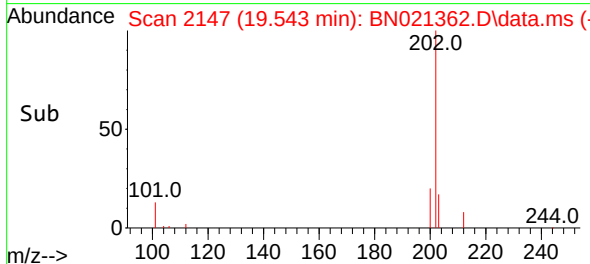
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20220816



Tgt Ion:202 Resp: 2852
Ion Ratio Lower Upper
202 100
101 14.1 10.9 16.3
203 17.6 13.8 20.6

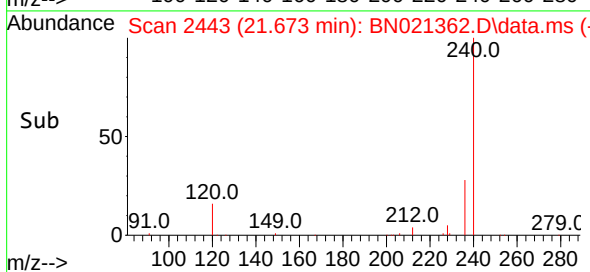
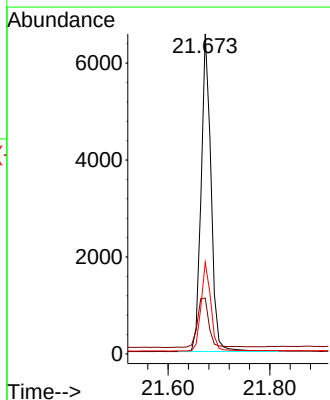
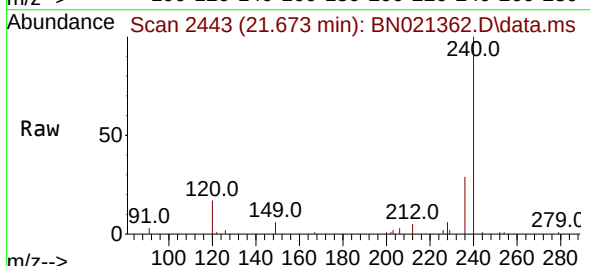
Manual Integrations
APPROVED

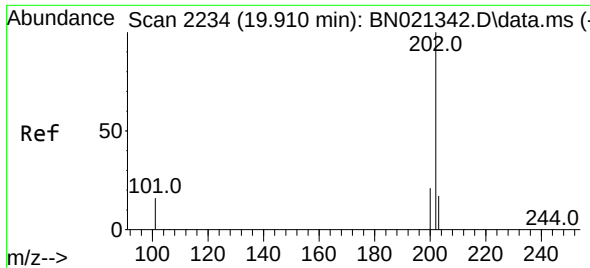
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.673 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

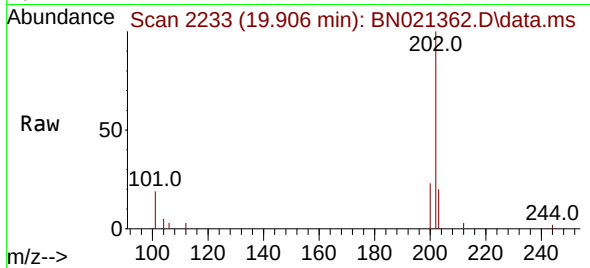
Tgt Ion:240 Resp: 8826
Ion Ratio Lower Upper
240 100
120 17.4 10.2 15.4#
236 28.6 22.1 33.1





#30
Pyrene
Concen: 0.063 ng
RT: 19.906 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

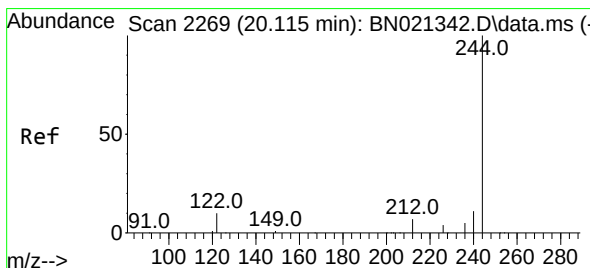
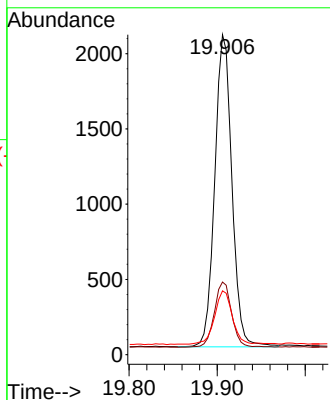
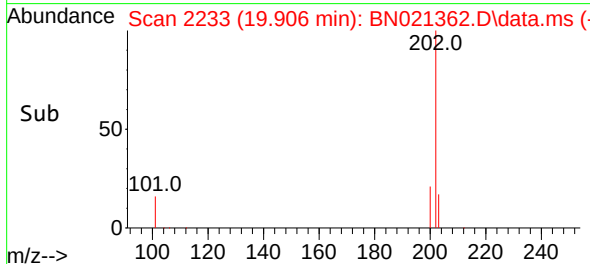
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20220816



Tgt Ion:202 Resp: 2804
Ion Ratio Lower Upper
202 100
200 20.9 13.9 20.9
203 18.4 11.9 17.9

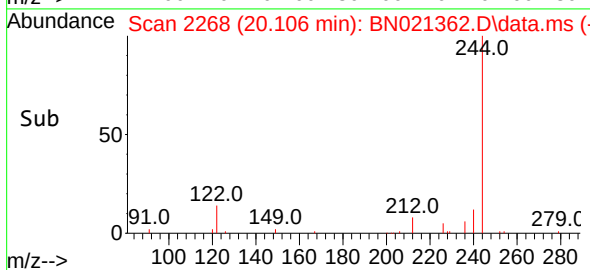
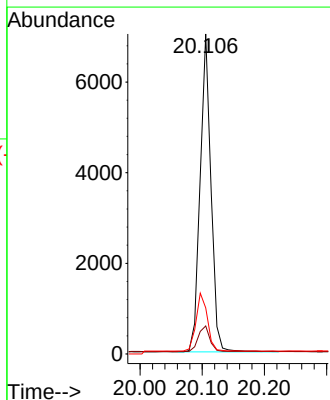
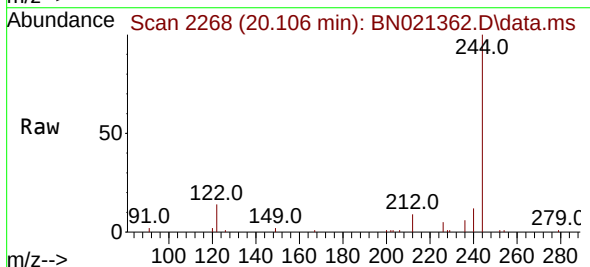
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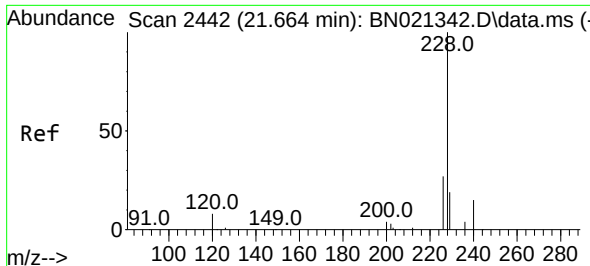
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#31
Terphenyl-d14
Concen: 0.457 ng
RT: 20.106 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

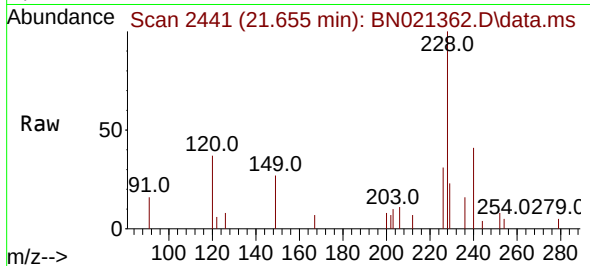
Tgt Ion:244 Resp: 8513
Ion Ratio Lower Upper
244 100
212 8.8 6.5 9.7
122 14.4 9.1 13.7





#32
Benzo(a)anthracene
Concen: 0.056 ng
RT: 21.655 min Scan# 2441
Delta R.T. -0.009 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

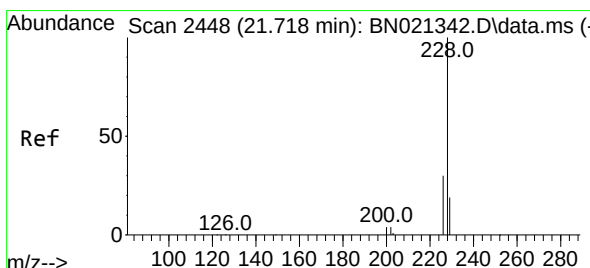
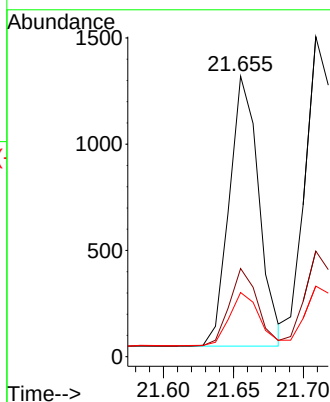
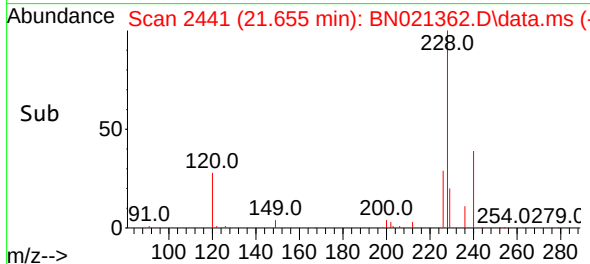
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20220816



Tgt Ion:228 Resp: 1869
Ion Ratio Lower Upper
228 100
226 31.4 22.0 33.0
229 22.9 15.9 23.9

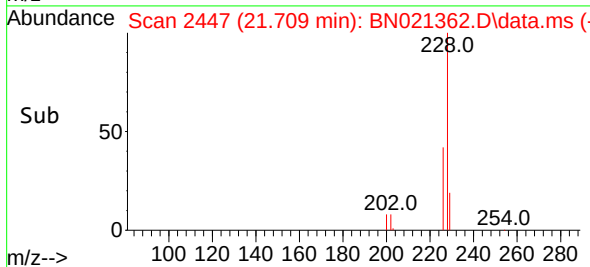
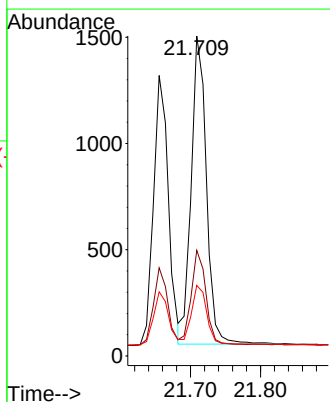
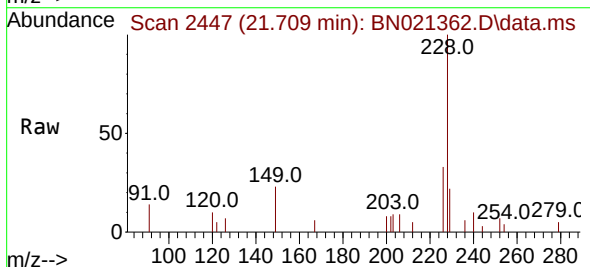
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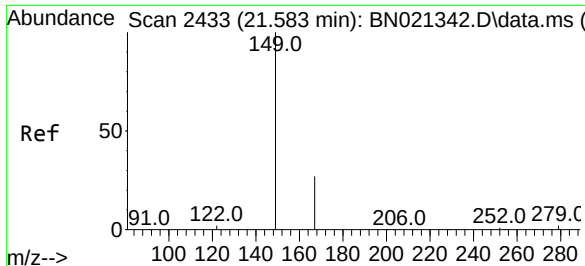
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#33
Chrysene
Concen: 0.060 ng
RT: 21.709 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

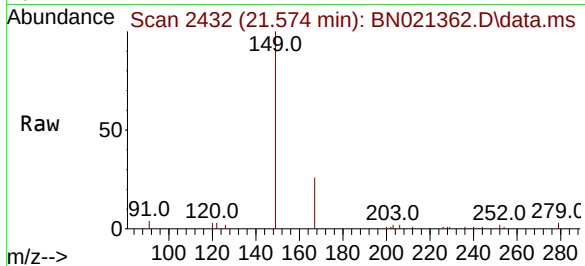
Tgt Ion:228 Resp: 2195
Ion Ratio Lower Upper
228 100
226 33.0 24.2 36.2
229 22.0 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.352 ng
RT: 21.574 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

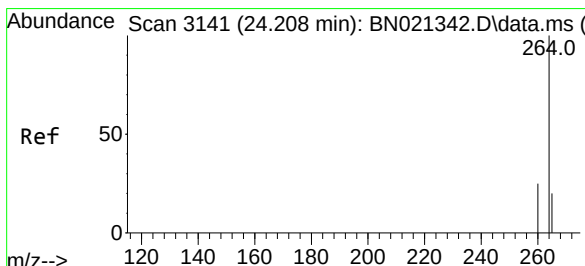
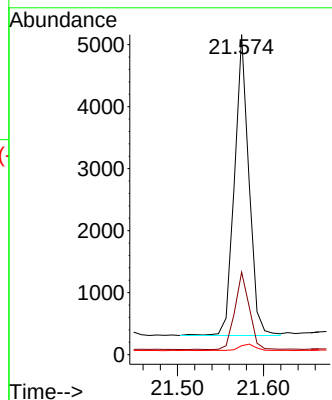
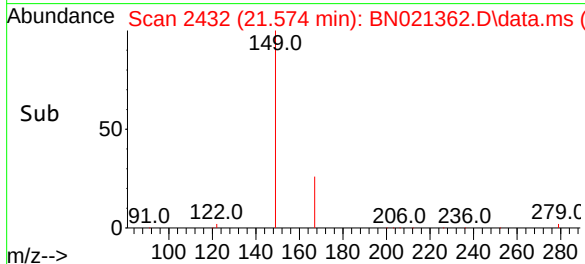
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20220816



Tgt Ion:149 Resp: 566
Ion Ratio Lower Upper
149 100
167 25.8 21.4 32.0
279 2.6 2.2 3.2

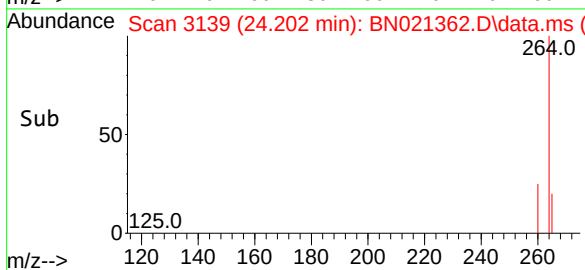
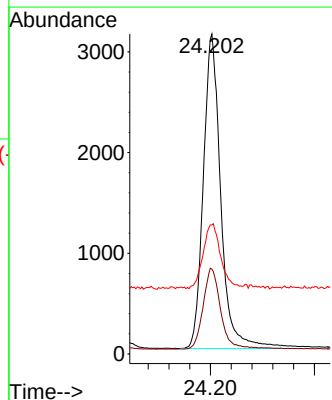
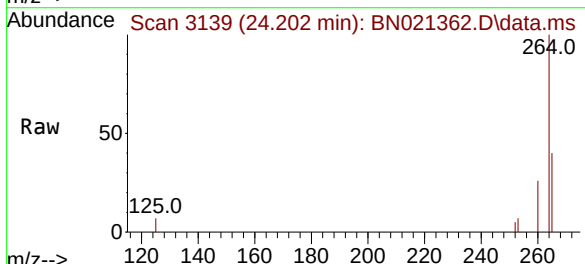
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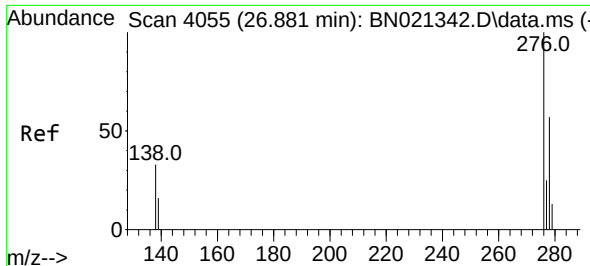
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.202 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

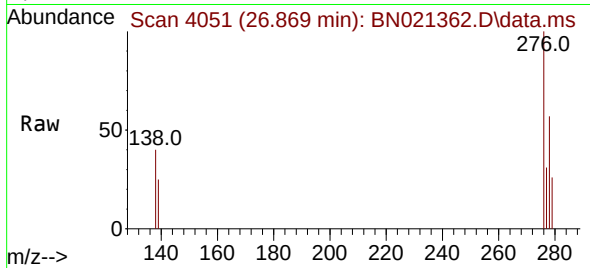
Tgt Ion:264 Resp: 7269
Ion Ratio Lower Upper
264 100
260 26.5 21.0 31.6
265 40.4 32.2 48.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.053 ng m
RT: 26.869 min Scan# 4055
Delta R.T. -0.012 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

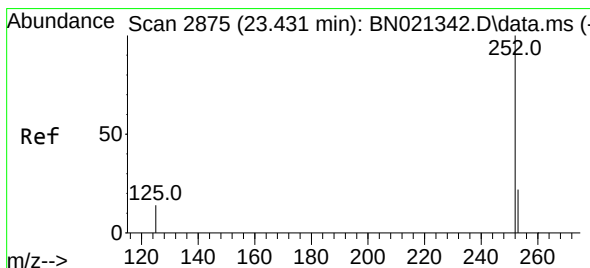
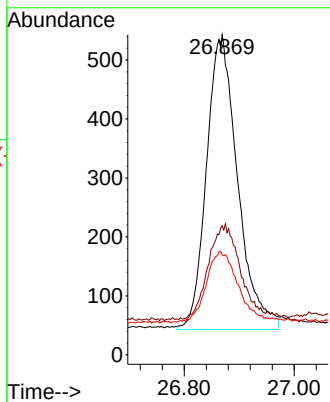
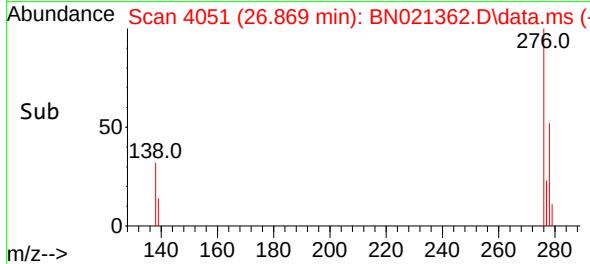
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20220816



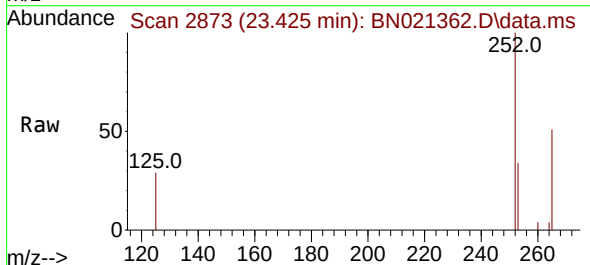
Tgt Ion:276 Resp: 1964
Ion Ratio Lower Upper
276 100
138 32.4 27.4 41.2
277 24.0 19.9 29.9

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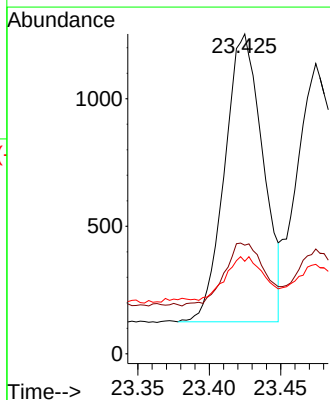
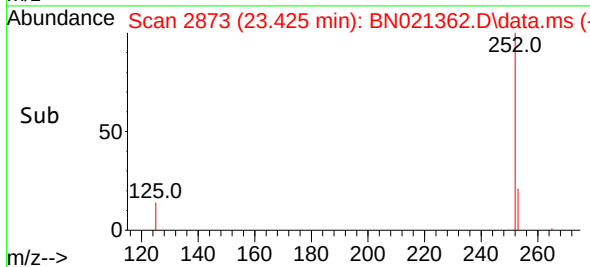
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022

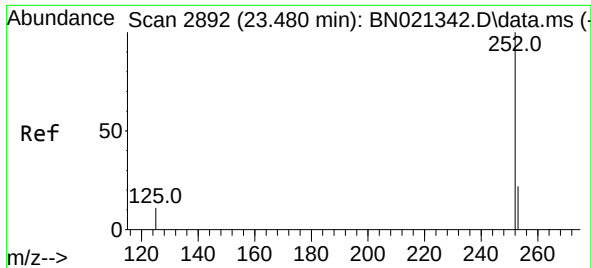


#37
Benzo(b)fluoranthene
Concen: 0.065 ng
RT: 23.425 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26



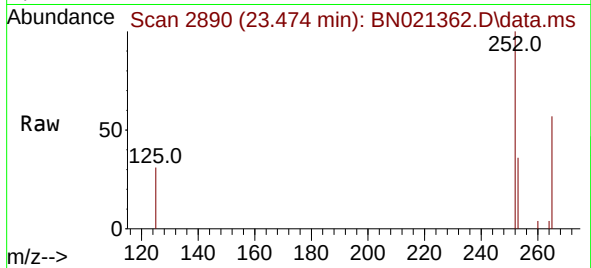
Tgt Ion:252 Resp: 2092
Ion Ratio Lower Upper
252 100
253 34.0 19.8 29.6#
125 28.9 13.7 20.5#





#38
Benzo(k)fluoranthene
Concen: 0.058 ng
RT: 23.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

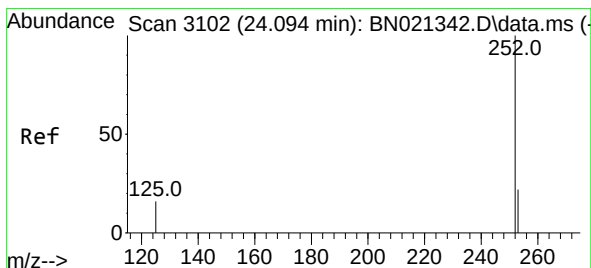
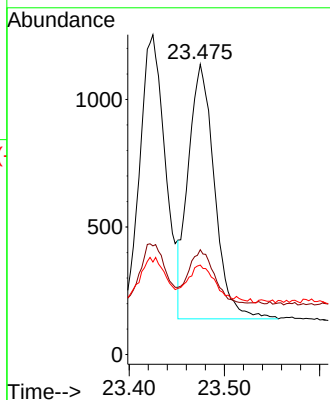
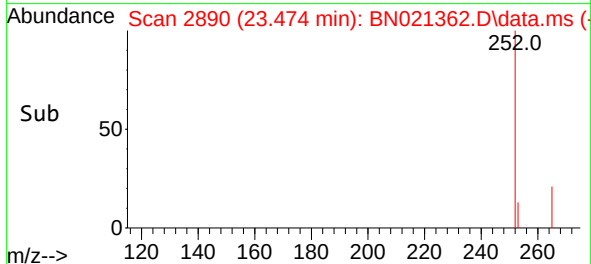
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20220816



Tgt Ion:252 Resp: 1920
Ion Ratio Lower Upper
252 100
253 36.1 19.5 29.3#
125 30.8 12.3 18.5#

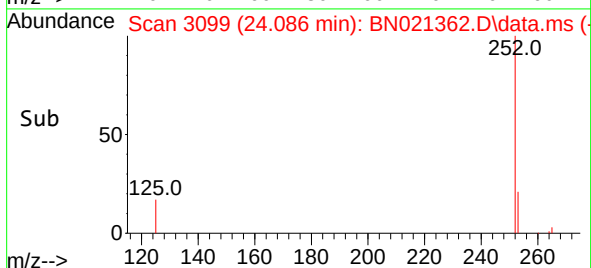
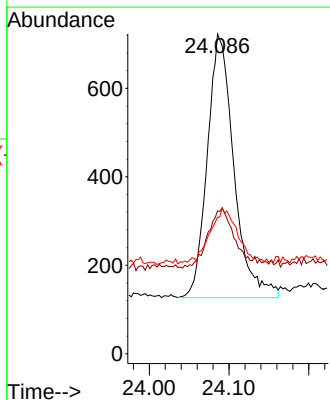
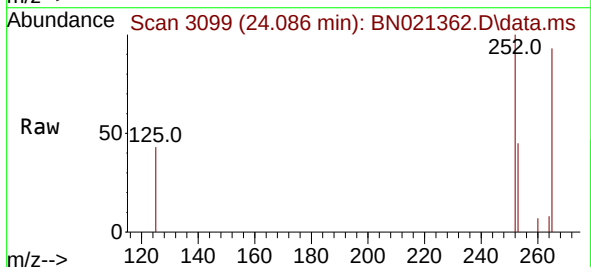
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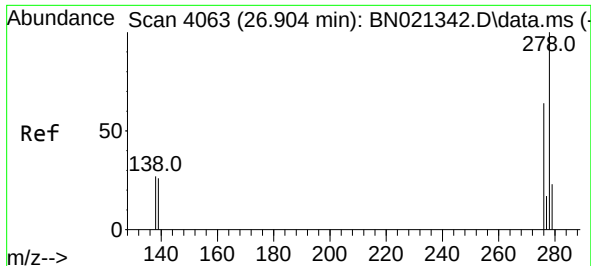
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#39
Benzo(a)pyrene
Concen: 0.053 ng
RT: 24.086 min Scan# 3099
Delta R.T. -0.009 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

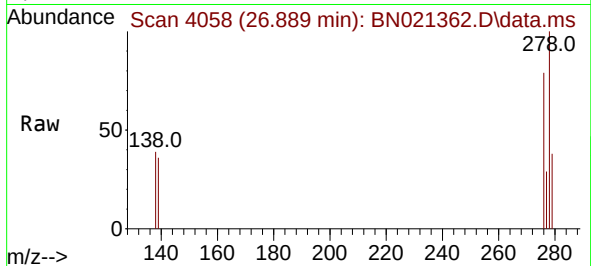
Tgt Ion:252 Resp: 1382
Ion Ratio Lower Upper
252 100
253 44.7 21.1 31.7#
125 42.7 16.6 25.0#





#40
Dibenzo(a,h)anthracene
Concen: 0.049 ng
RT: 26.889 min Scan# 4063
Delta R.T. -0.015 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

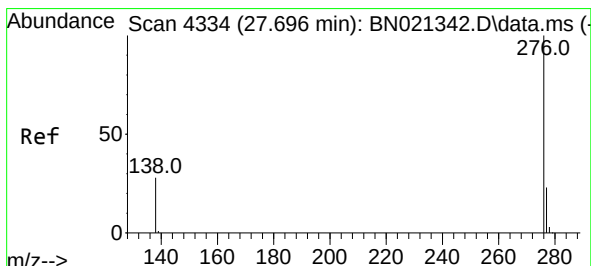
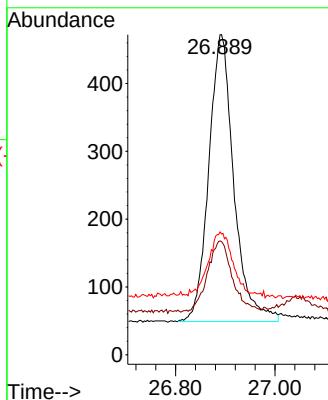
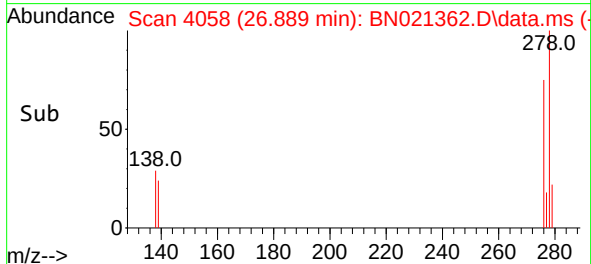
Instrument :
BNA_N
ClientSampleId :
RW8-MW01S-20220816



Tgt Ion: 278 Resp: 148
Ion Ratio Lower Upper
278 100
139 35.6 21.8 32.6
279 38.3 20.4 30.6

Manual Integrations
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Reviewed By : Christian Giraldo 08/26/2022
Supervised By : Jagrut Upadhyay 08/26/2022



#41
Benzo(g,h,i)perylene
Concen: 0.058 ng
RT: 27.690 min Scan# 4332
Delta R.T. -0.006 min
Lab File: BN021362.D
Acq: 25 Aug 2022 08:26

Tgt Ion: 276 Resp: 1853
Ion Ratio Lower Upper
276 100
277 31.9 19.7 29.5#
138 36.8 23.7 35.5#

