

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
 Data File : BN025364.D
 Acq On : 09 May 2023 13:17
 Operator : CG/JU
 Sample : 02588-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023

Quant Time: May 10 03:58:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 10:18:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	6065	0.400	ng	0.00
7) Naphthalene-d8	10.707	136	20792	0.400	ng	# 0.00
13) Acenaphthene-d10	14.544	164	12348	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	27138	0.400	ng	0.00
29) Chrysene-d12	21.486	240	25681	0.400	ng	# 0.00
35) Perylene-d12	23.920	264	21602	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.455	112	4067	0.275	ng	0.00
5) Phenol-d6	7.073	99	4782	0.258	ng	0.00
8) Nitrobenzene-d5	9.084	82	3687	0.216	ng	0.01
11) 2-Methylnaphthalene-d10	12.302	152	7749	0.273	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	1597	0.253	ng	0.00
15) 2-Fluorobiphenyl	13.176	172	11483	0.271	ng	0.00
27) Fluoranthene-d10	19.325	212	19079	0.284	ng	0.00
31) Terphenyl-d14	19.920	244	14269	0.276	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.760	128	24630	0.462	ng	99
12) 2-Methylnaphthalene	12.373	142	9058	0.240	ng	99
16) Acenaphthylene	14.266	152	9601	0.174	ng	99
17) Acenaphthene	14.608	154	4569	0.133	ng	96
18) Fluorene	15.592	166	8323	0.177	ng	# 97
25) Phenanthrene	17.336	178	106250	1.415	ng	100
26) Anthracene	17.422	178	21850	0.311	ng	99
28) Fluoranthene	19.355	202	206728	2.204	ng	99
30) Pyrene	19.717	202	182946	2.084	ng	96
32) Benzo(a)anthracene	21.468	228	93474	1.077	ng	98
33) Chrysene	21.522	228	91161	1.055	ng	98
34) Bis(2-ethylhexyl)phtha...	21.387	149	14389	0.211	ng	97
36) Indeno(1,2,3-cd)pyrene	26.461	276	37809	0.437	ng	95
37) Benzo(b)fluoranthene	23.183	252	103672	1.514	ng	98
38) Benzo(k)fluoranthene	23.224	252	38161m	0.532	ng	
39) Benzo(a)pyrene	23.818	252	65073	0.928	ng	96
40) Dibenzo(a,h)anthracene	26.466	278	9118	0.133	ng	# 77
41) Benzo(g,h,i)perylene	27.238	276	35337	0.471	ng	100

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

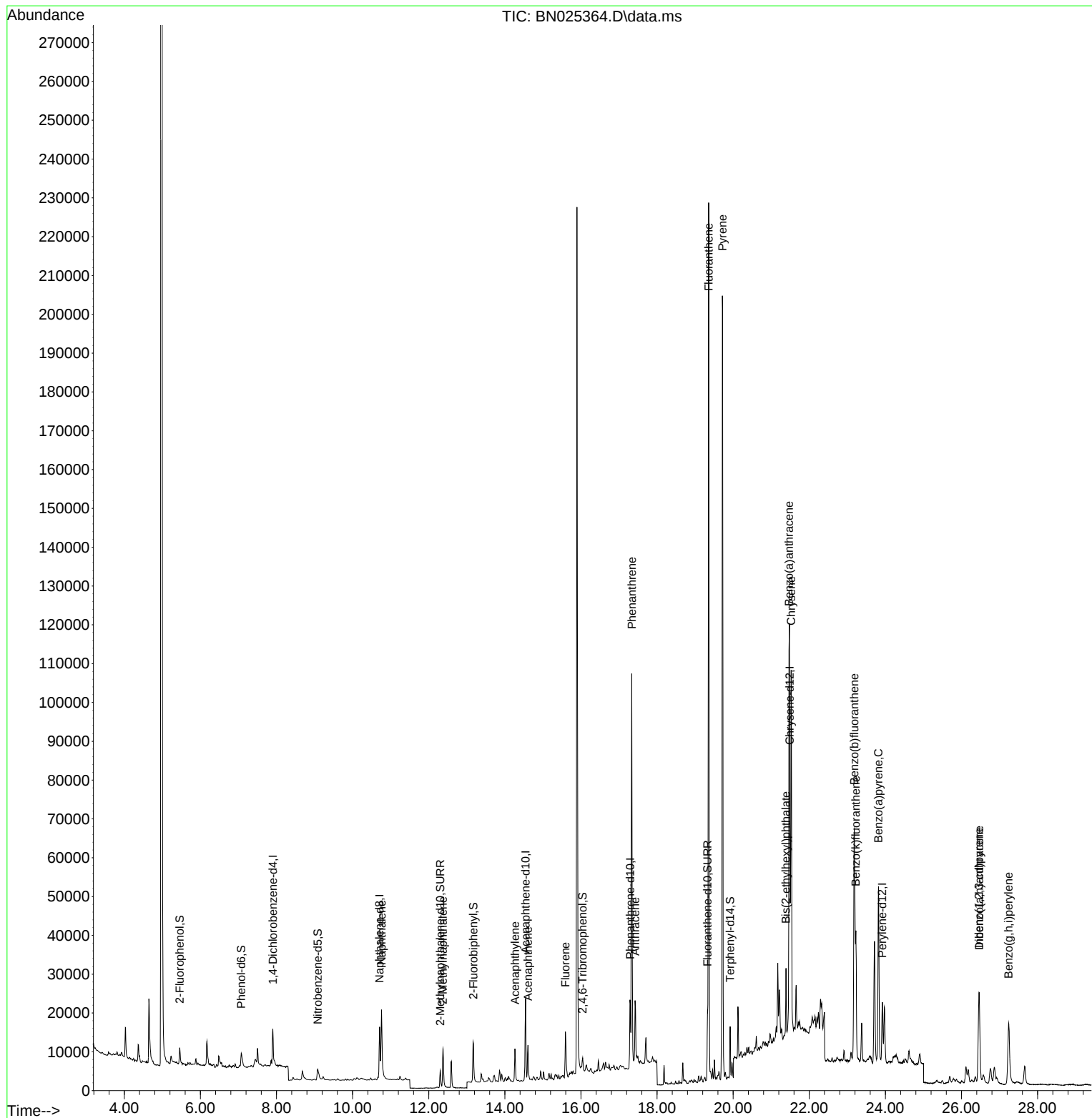
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
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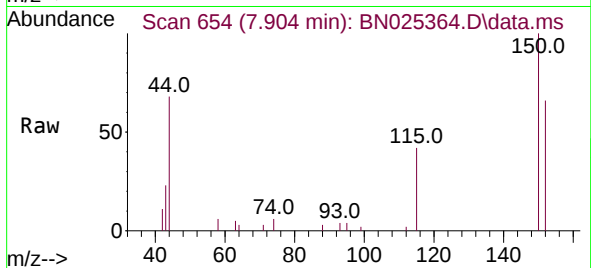
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

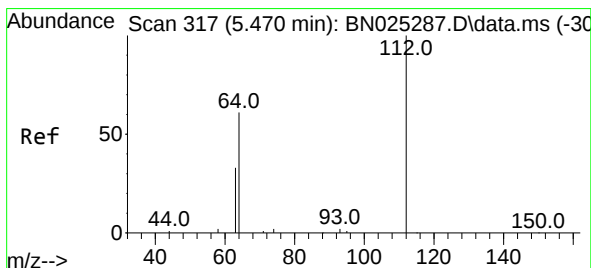
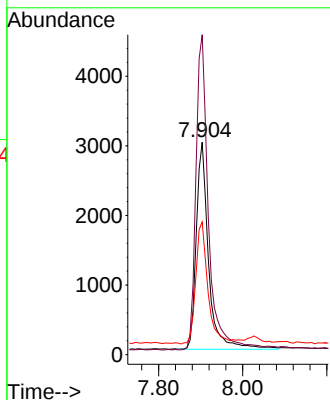
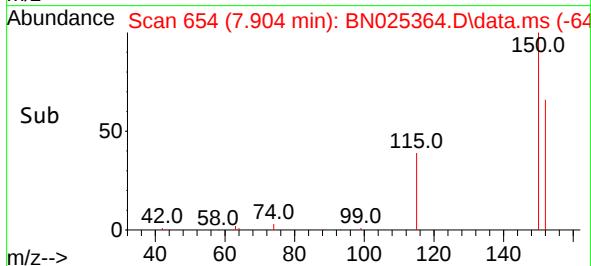
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:152 Resp: 606
Ion Ratio Lower Upper
152 100
150 150.6 123.8 185.8
115 62.5 52.9 79.3

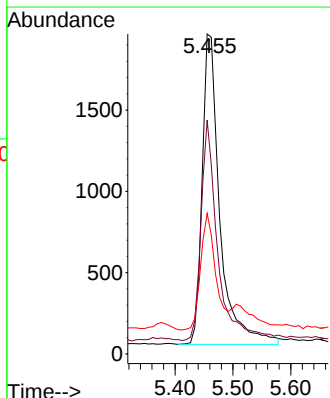
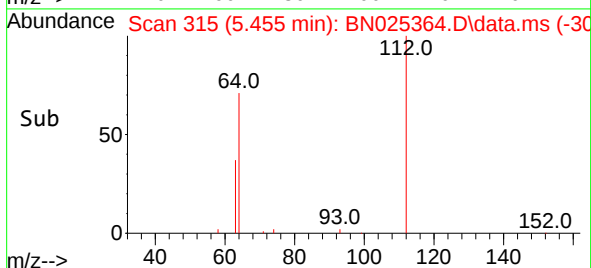
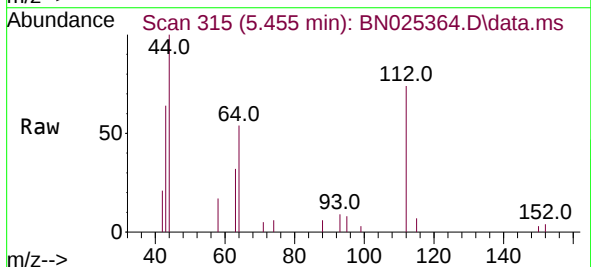
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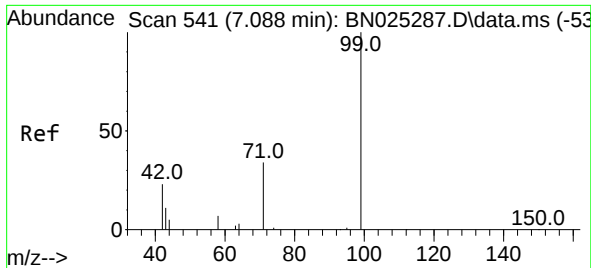
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#4
2-Fluorophenol
Concen: 0.275 ng
RT: 5.455 min Scan# 315
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

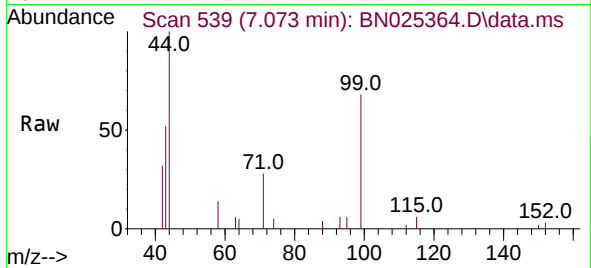
Tgt Ion:112 Resp: 4067
Ion Ratio Lower Upper
112 100
64 66.8 51.5 77.3
63 32.0 27.8 41.6





#5
Phenol-d6
Concen: 0.258 ng
RT: 7.073 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

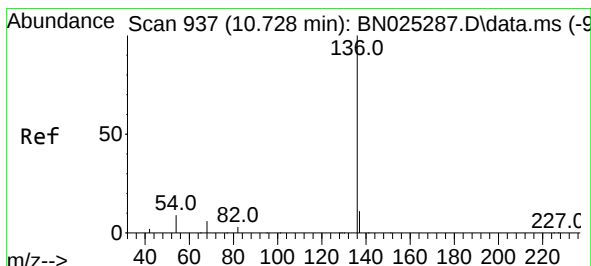
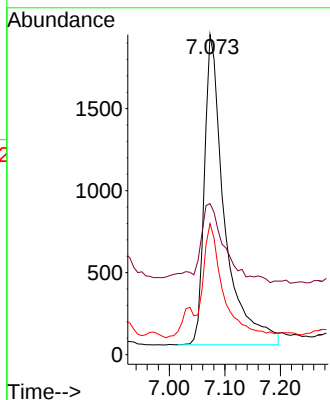
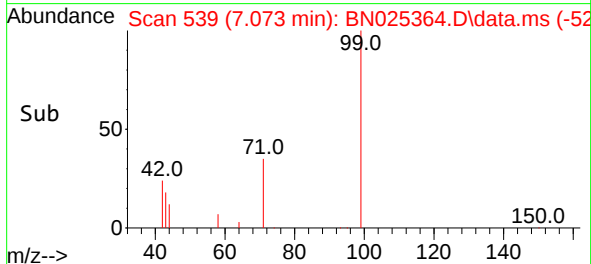
Instrument :
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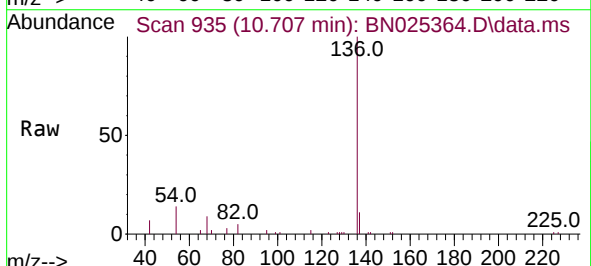
Tgt Ion: 99 Resp: 478
Ion Ratio Lower Upper
99 100
42 30.6 22.0 33.0
71 34.0 28.7 43.1

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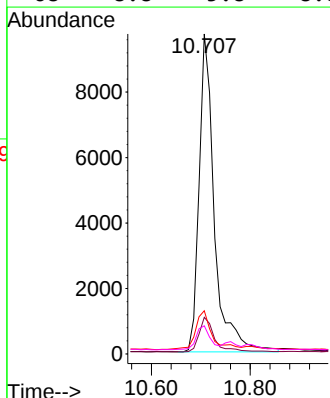
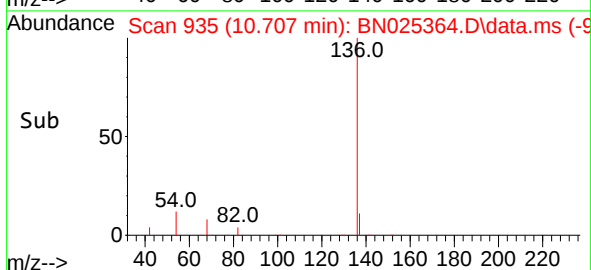
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

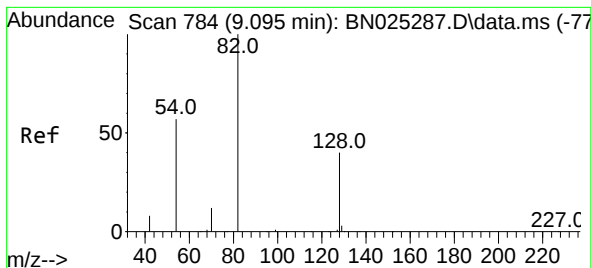


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.707 min Scan# 935
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17



Tgt Ion:136 Resp: 20792
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 13.5 8.5 12.7#
68 8.8 5.8 8.8#





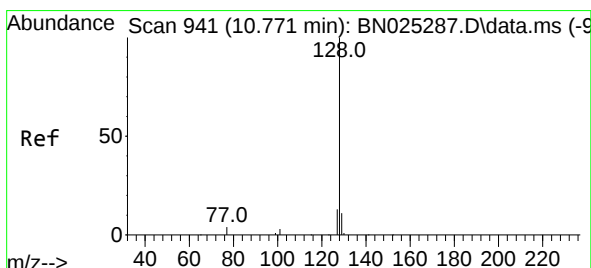
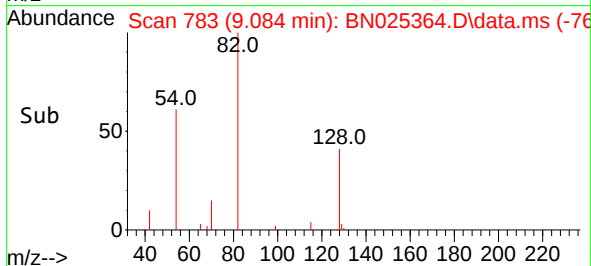
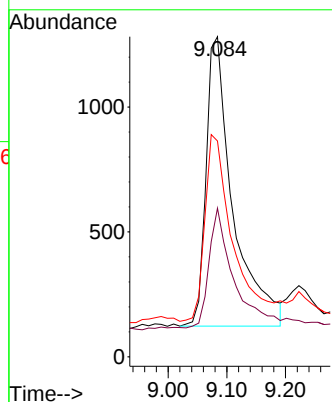
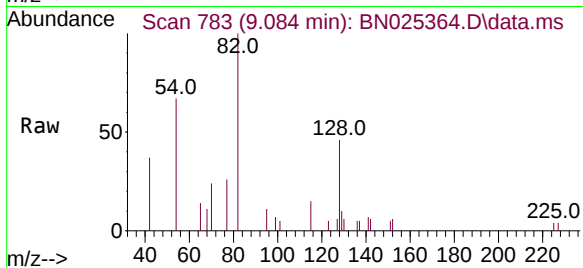
#8
Nitrobenzene-d5
Concen: 0.216 ng
RT: 9.084 min Scan# 71
Delta R.T. 0.011 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

Tgt Ion: 82 Resp: 368
Ion Ratio Lower Upper
82 100
128 46.4 35.3 52.9
54 67.4 48.7 73.1

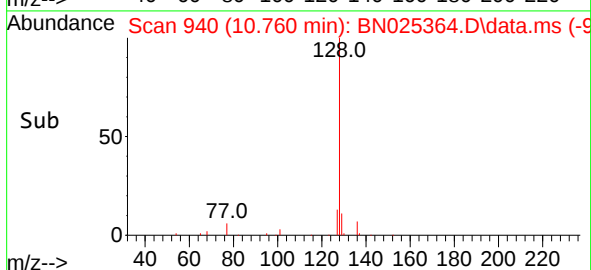
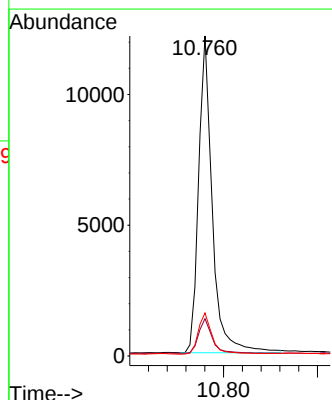
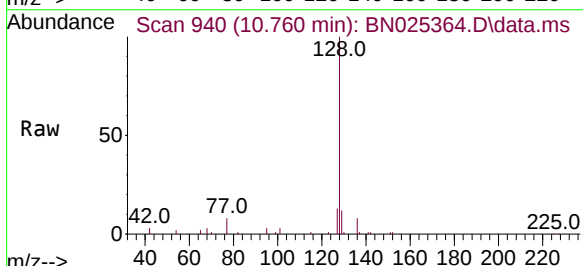
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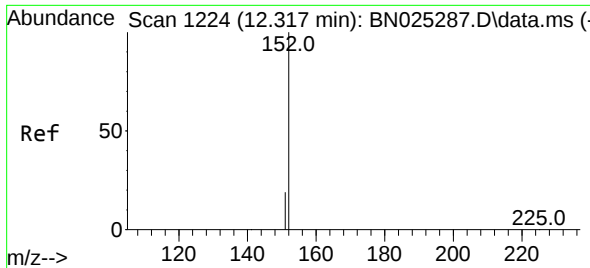
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#9
Naphthalene
Concen: 0.462 ng
RT: 10.760 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

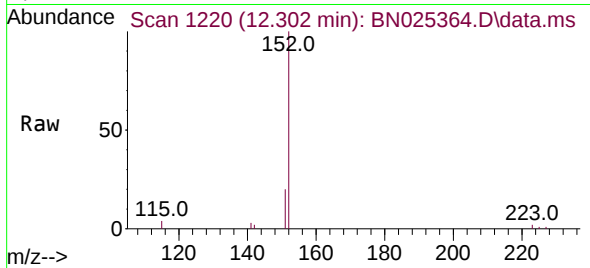
Tgt Ion:128 Resp: 24630
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.2
127 13.4 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.273 ng
RT: 12.302 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

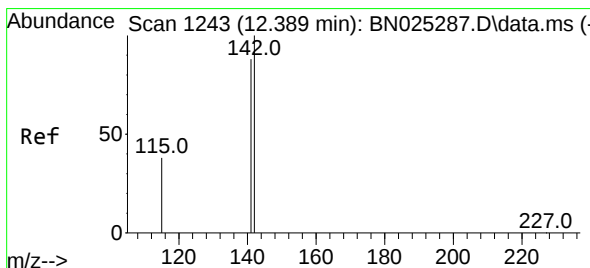
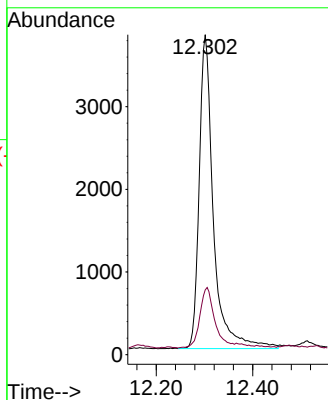
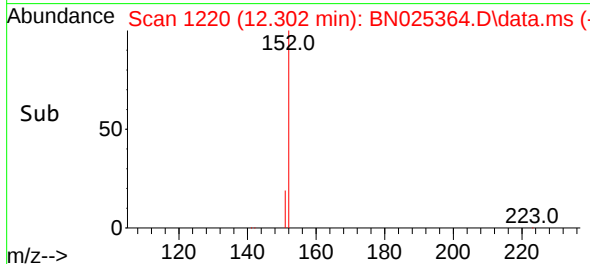
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



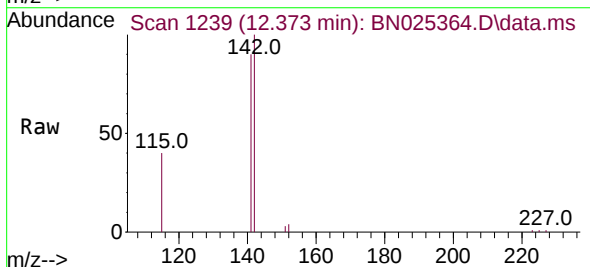
Tgt Ion:152 Resp: 7749
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6

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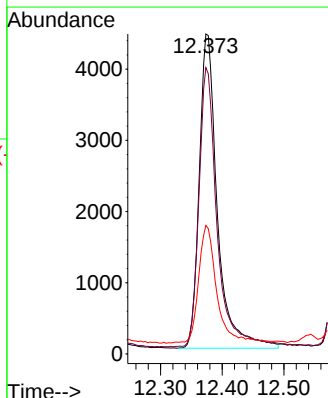
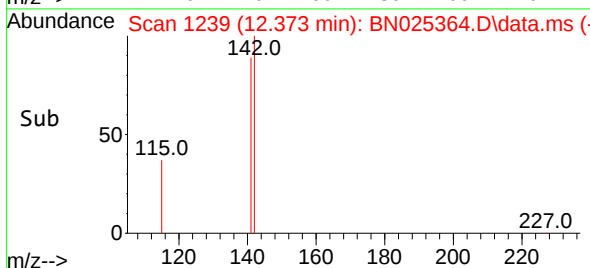
Reviewed By :Christian Giraldo 05/10/2023
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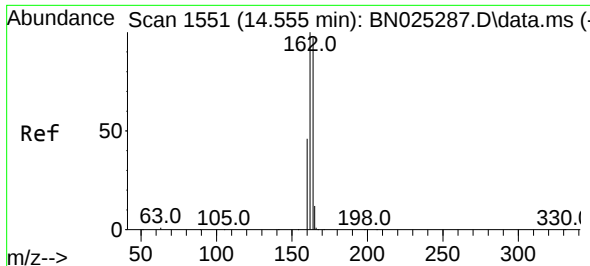


#12
2-Methylnaphthalene
Concen: 0.240 ng
RT: 12.373 min Scan# 1239
Delta R.T. -0.004 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17



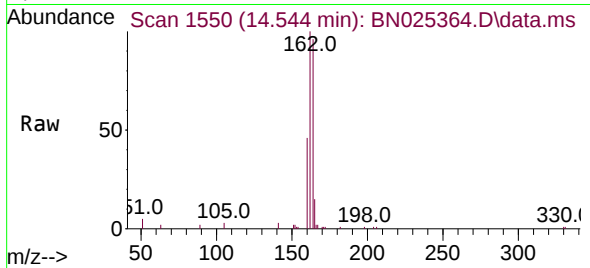
Tgt Ion:142 Resp: 9058
Ion Ratio Lower Upper
142 100
141 89.5 70.5 105.7
115 40.1 31.6 47.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

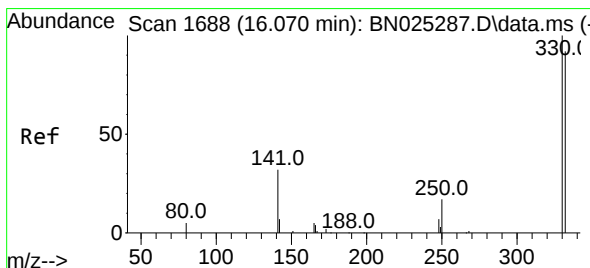
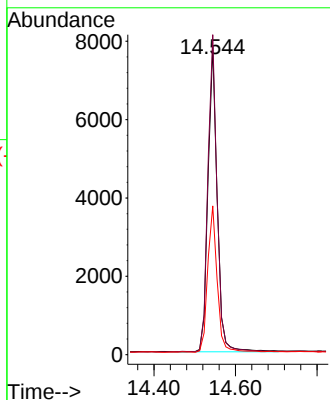
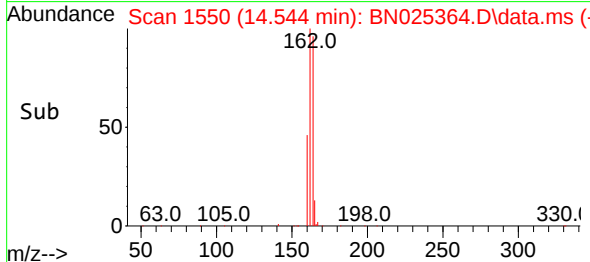
Instrument :
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PILE-B-UNK-05022023



Tgt Ion:164 Resp: 12348
Ion Ratio Lower Upper
164 100
162 103.9 82.1 123.1
160 48.3 38.3 57.5

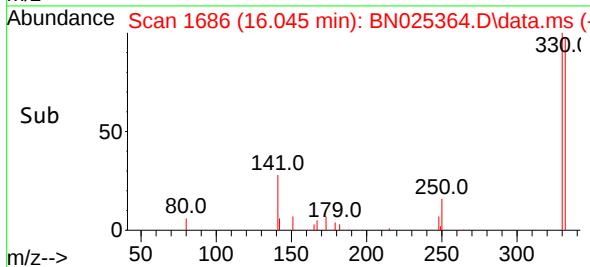
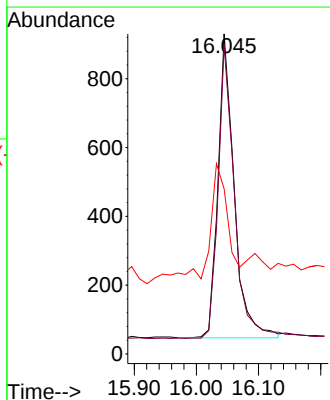
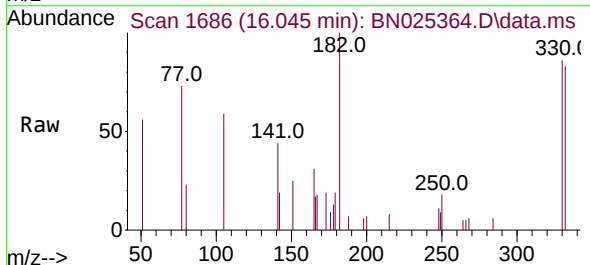
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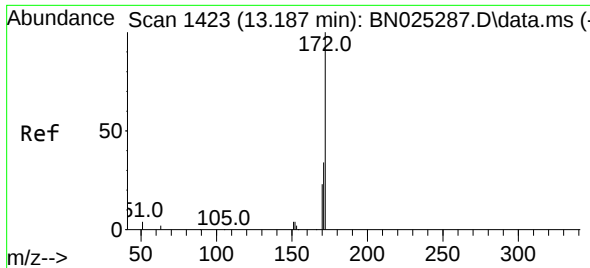
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion:330 Resp: 1597
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 33.9 28.9 43.3





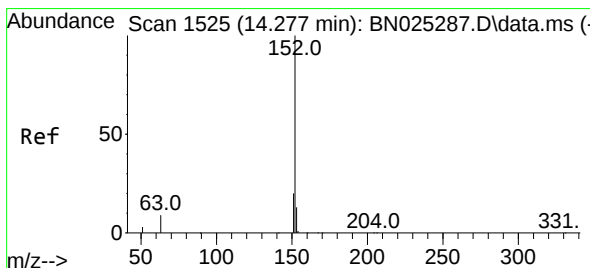
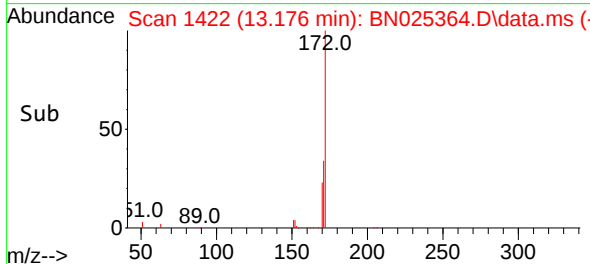
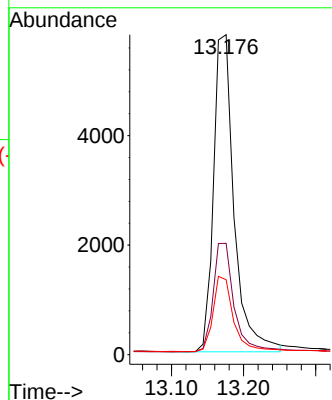
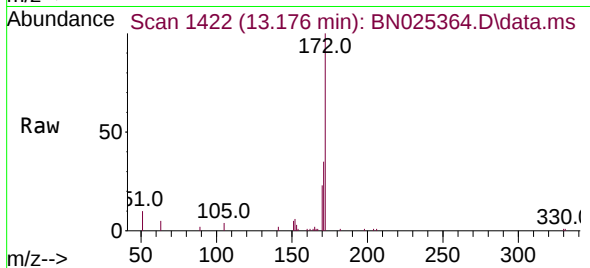
#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Instrument :
BNA_N
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PILE-B-UNK-05022023

Tgt Ion:172 Resp: 1148
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.4 19.0 28.4

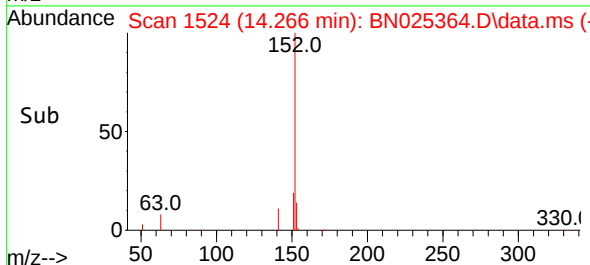
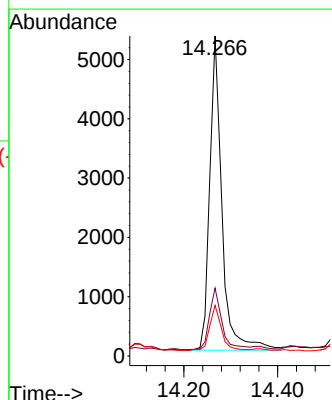
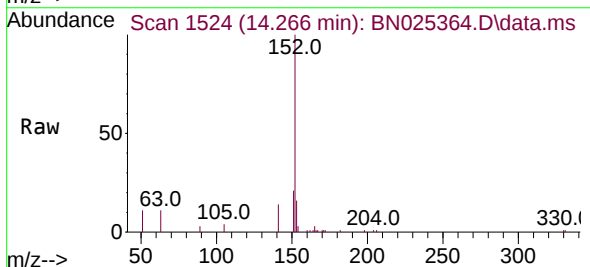
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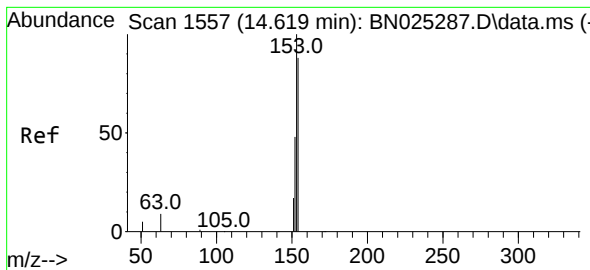
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#16
Acenaphthylene
Concen: 0.174 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion:152 Resp: 9601
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.9 10.3 15.5





#17

Acenaphthene

Concen: 0.133 ng

RT: 14.608 min Scan# 1556

Delta R.T. -0.000 min

Lab File: BN025364.D

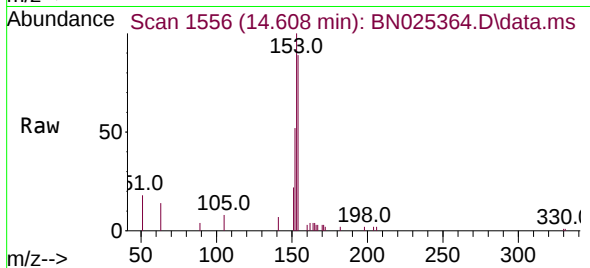
Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023



Tgt Ion:154 Resp: 4569

Ion Ratio Lower Upper

154 100

153 115.9 91.3 136.9

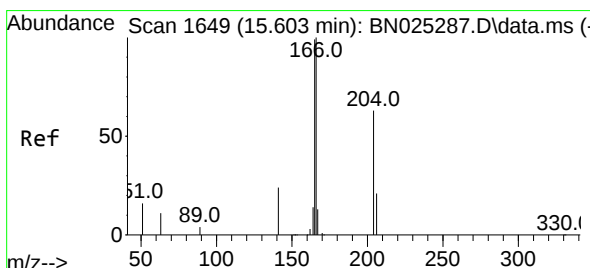
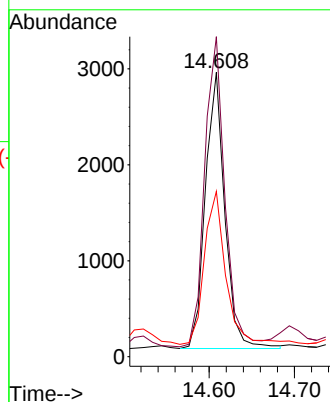
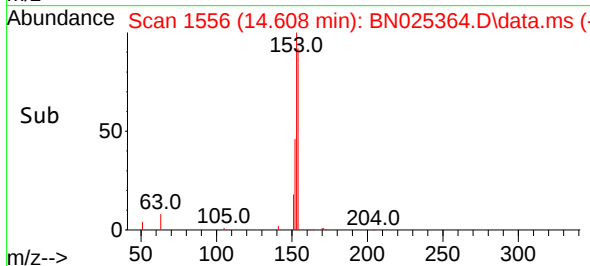
152 61.5 44.7 67.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/10/2023

Supervised By :Jagrut Upadhyay 05/10/2023



#18

Fluorene

Concen: 0.177 ng

RT: 15.592 min Scan# 1648

Delta R.T. -0.000 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

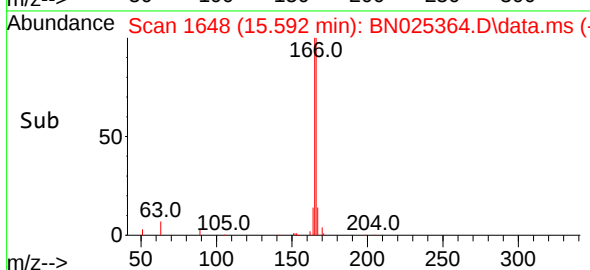
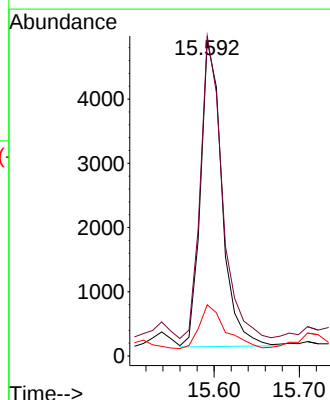
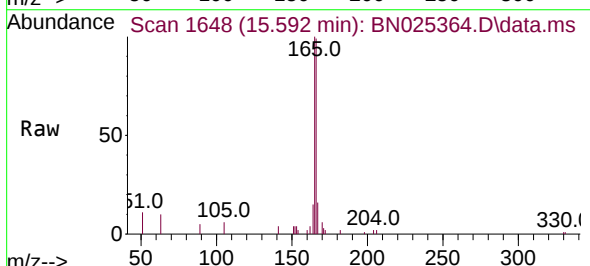
Tgt Ion:166 Resp: 8323

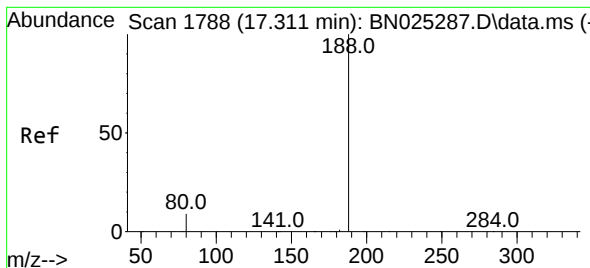
Ion Ratio Lower Upper

166 100

165 100.6 79.0 118.4

167 17.5 10.3 15.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.298 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

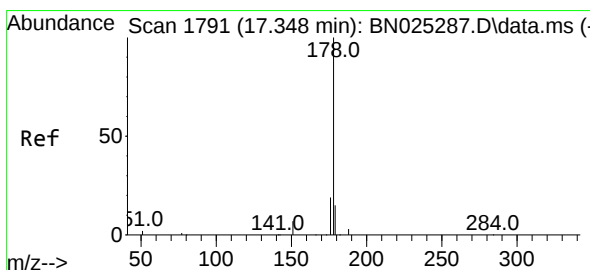
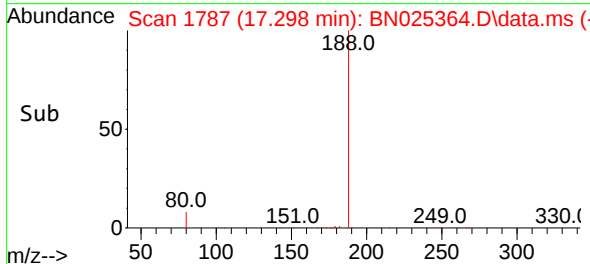
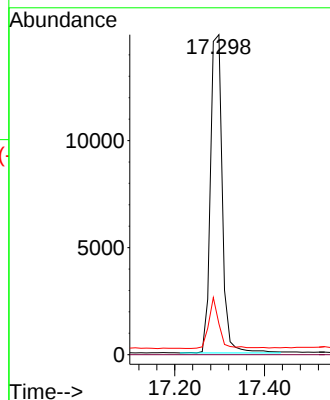
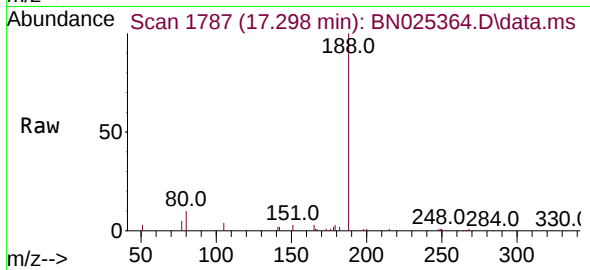
Tgt Ion:188	Resp:	27138
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	9.7	8.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/10/2023

Supervised By :Jagrut Upadhyay 05/10/2023



#25

Phenanthrene

Concen: 1.415 ng

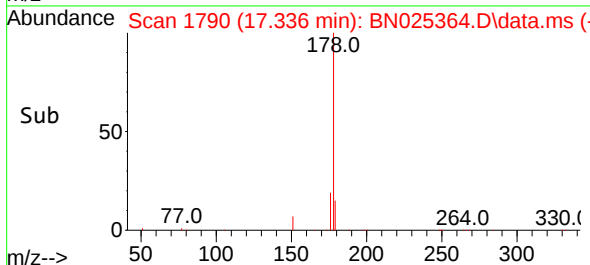
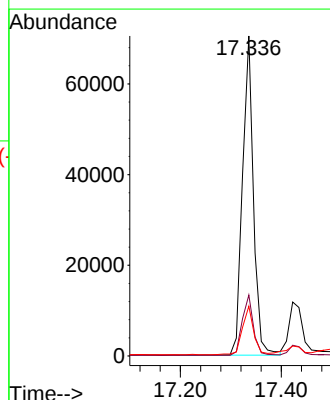
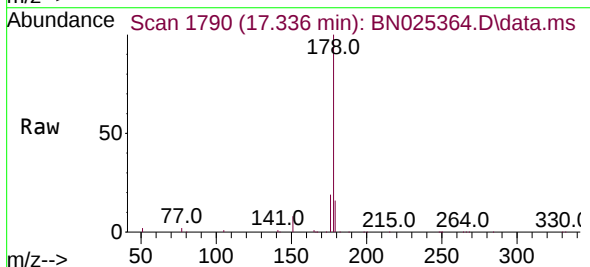
RT: 17.336 min Scan# 1790

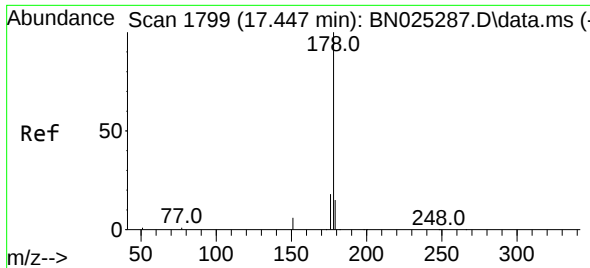
Delta R.T. -0.000 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

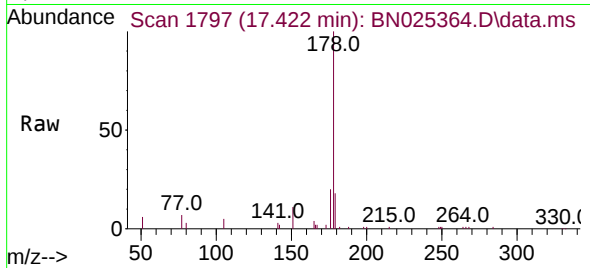
Tgt Ion:178	Resp:	106250
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.5
179	15.6	12.4





#26
 Anthracene
 Concen: 0.311 ng
 RT: 17.422 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025364.D
 Acq: 09 May 2023 13:17

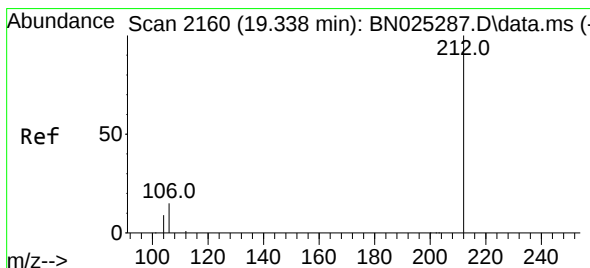
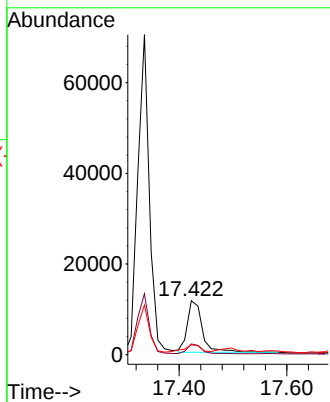
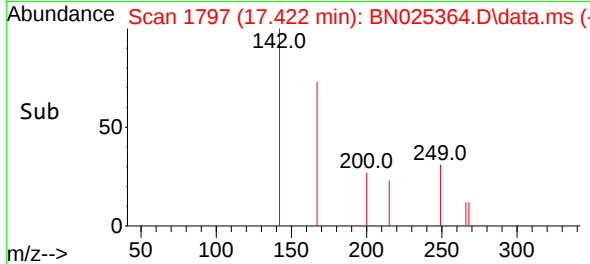
Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023



Tgt Ion:178 Resp: 21850
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 15.7 12.0 18.0

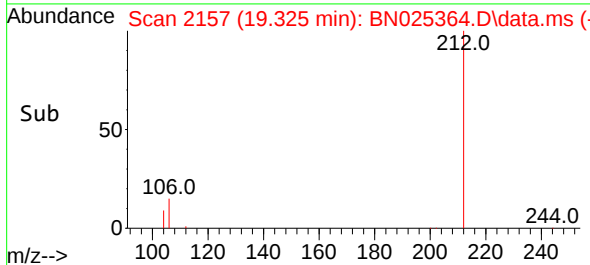
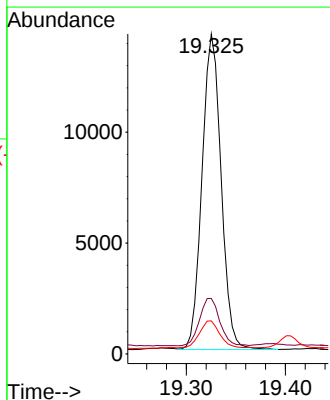
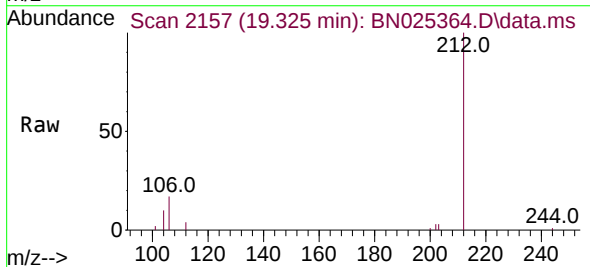
Manual Integrations
 APPROVED

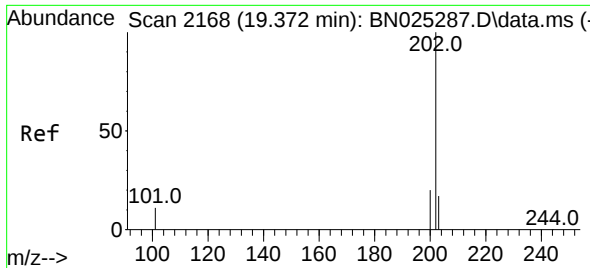
Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023



#27
 Fluoranthene-d10
 Concen: 0.284 ng
 RT: 19.325 min Scan# 2157
 Delta R.T. -0.004 min
 Lab File: BN025364.D
 Acq: 09 May 2023 13:17

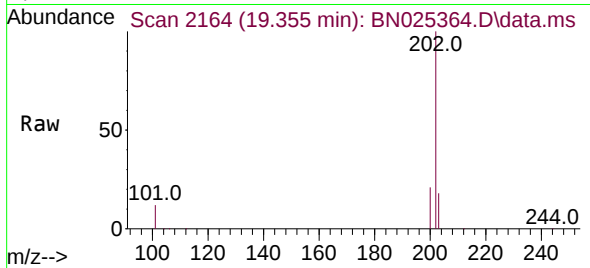
Tgt Ion:212 Resp: 19079
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.6 19.0
 104 9.5 7.0 10.6





#28
Fluoranthene
Concen: 2.204 ng
RT: 19.355 min Scan# 2164
Delta R.T. -0.004 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

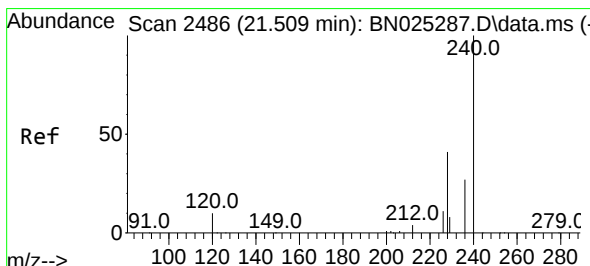
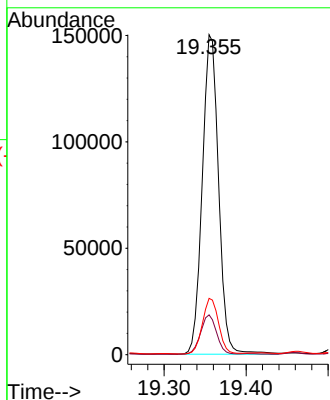
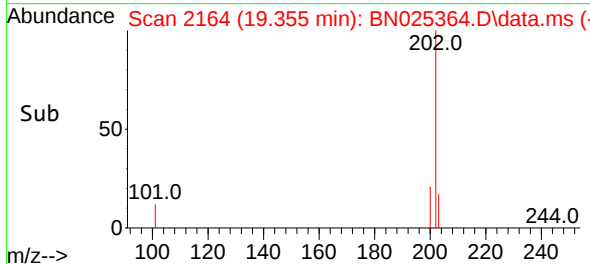
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:202 Resp: 206728
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.8
203 17.2 13.5 20.3

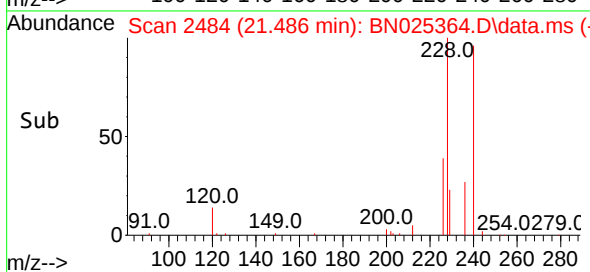
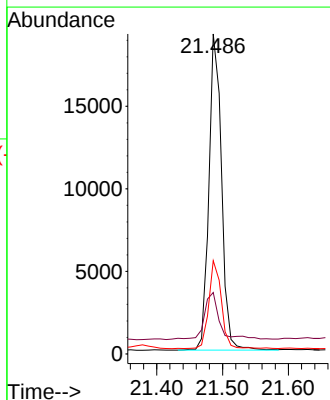
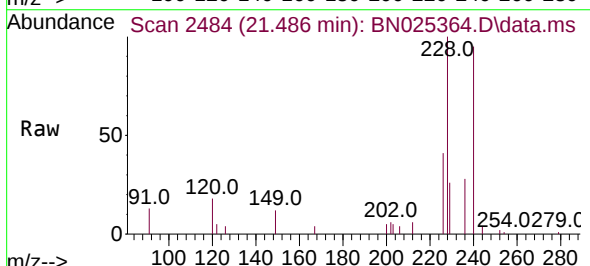
Manual Integrations
APPROVED

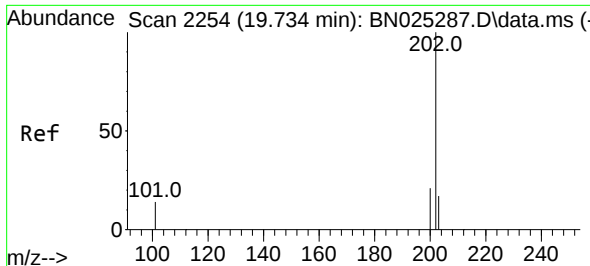
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.486 min Scan# 2484
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

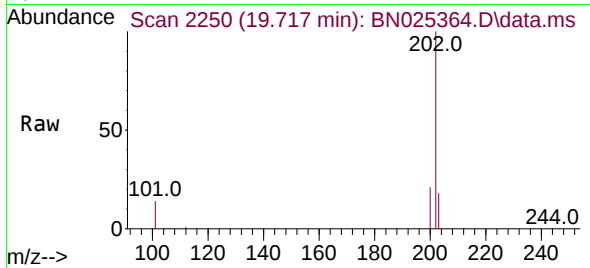
Tgt Ion:240 Resp: 25681
Ion Ratio Lower Upper
240 100
120 19.2 10.3 15.5#
236 29.2 22.3 33.5





#30
 Pyrene
 Concen: 2.084 ng
 RT: 19.717 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN025364.D
 Acq: 09 May 2023 13:17

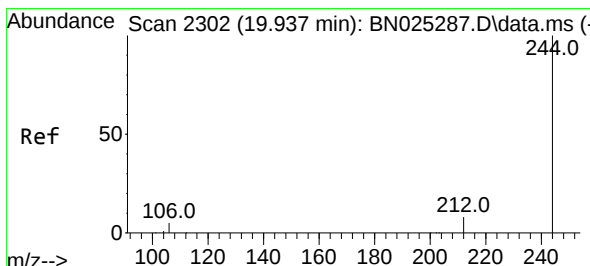
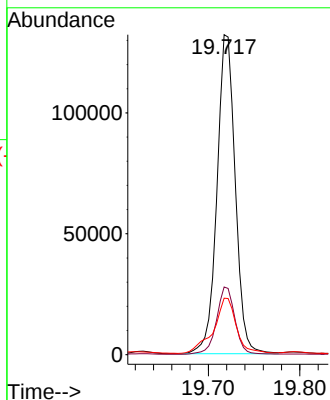
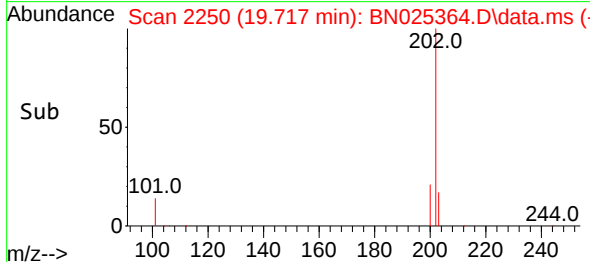
Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023



Tgt Ion:202 Resp: 182940
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.8 25.2
 203 21.5 14.4 21.6

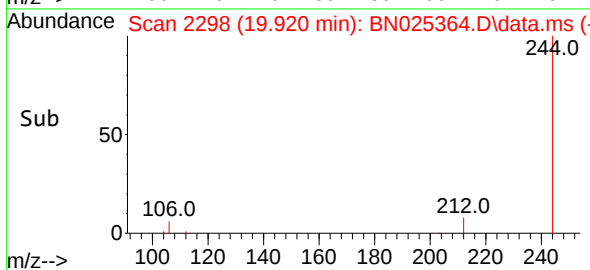
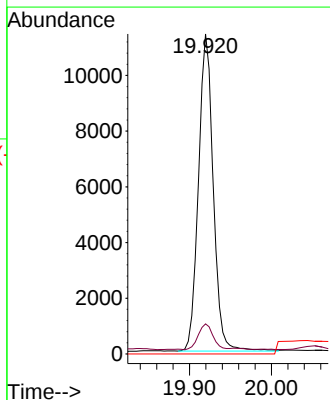
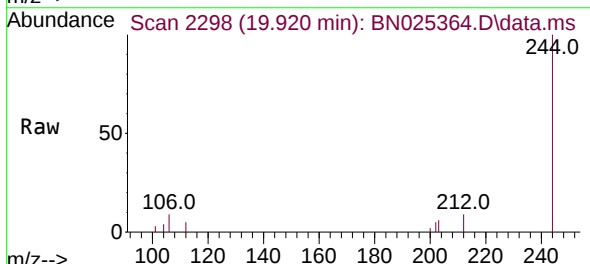
Manual Integrations
 APPROVED

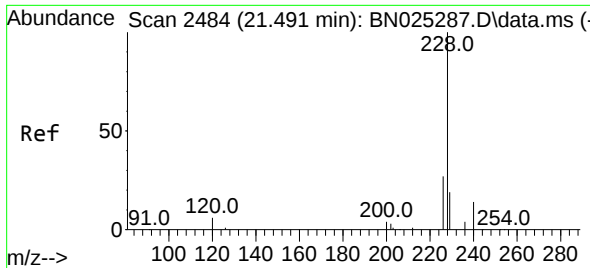
Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023



#31
 Terphenyl-d14
 Concen: 0.276 ng
 RT: 19.920 min Scan# 2298
 Delta R.T. -0.004 min
 Lab File: BN025364.D
 Acq: 09 May 2023 13:17

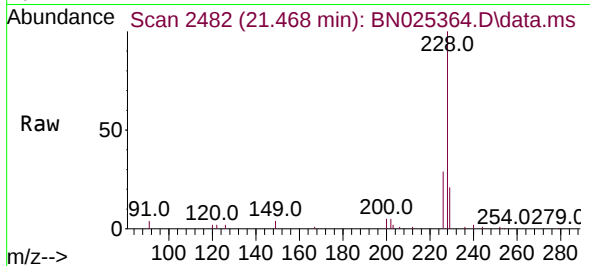
Tgt Ion:244 Resp: 14269
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.1 10.7
 122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.077 ng
RT: 21.468 min Scan# 2482
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

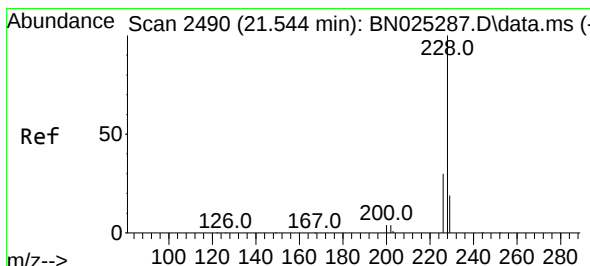
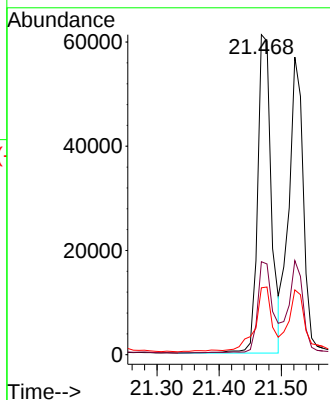
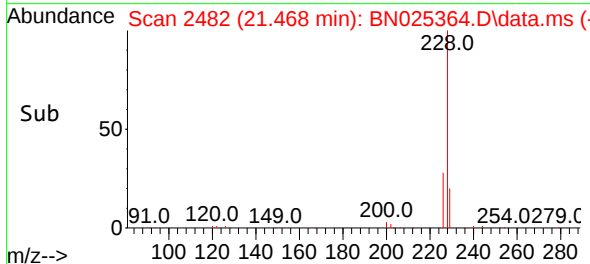
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:228 Resp: 93474
Ion Ratio Lower Upper
228 100
226 29.0 22.5 33.7
229 20.9 16.2 24.2

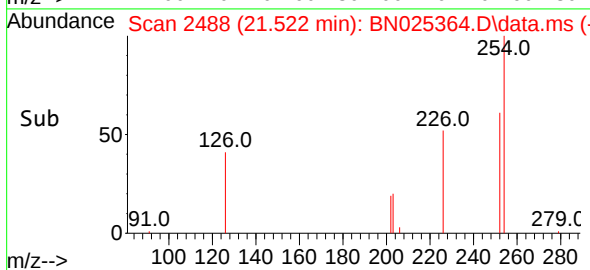
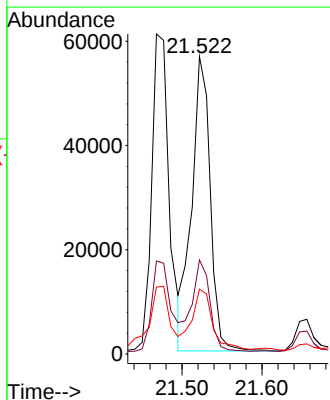
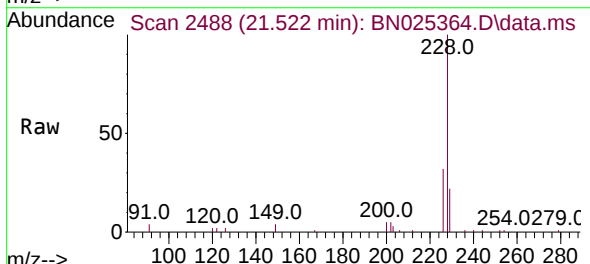
Manual Integrations
APPROVED

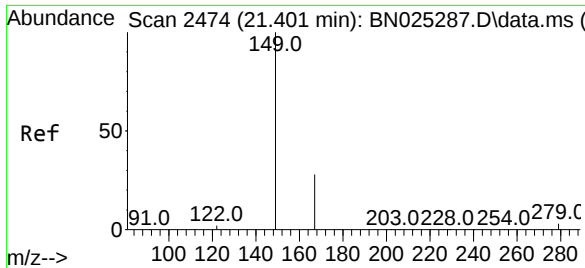
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#33
Chrysene
Concen: 1.055 ng
RT: 21.522 min Scan# 2488
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

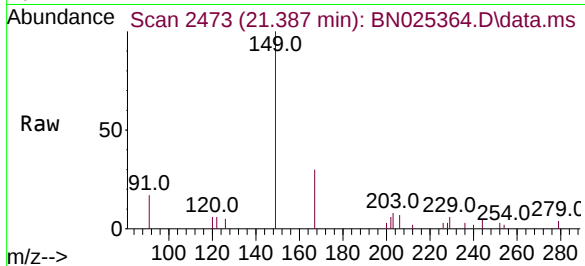
Tgt Ion:228 Resp: 91161
Ion Ratio Lower Upper
228 100
226 31.6 24.6 36.8
229 21.8 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.211 ng
RT: 21.387 min Scan# 2473
Delta R.T. 0.009 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

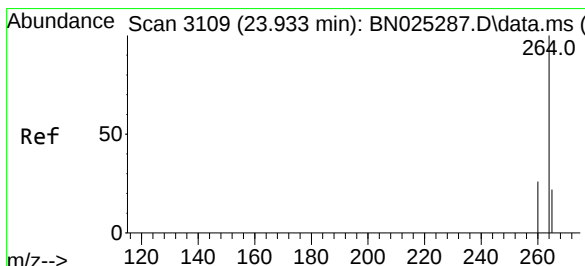
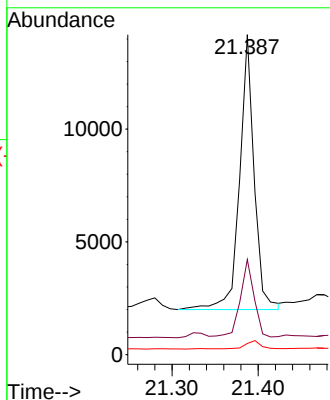
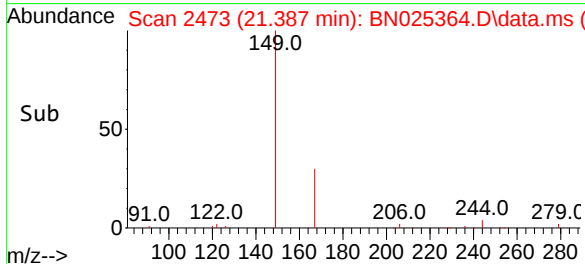
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:149 Resp: 14389
Ion Ratio Lower Upper
149 100
167 26.0 22.2 33.4
279 3.0 2.6 4.0

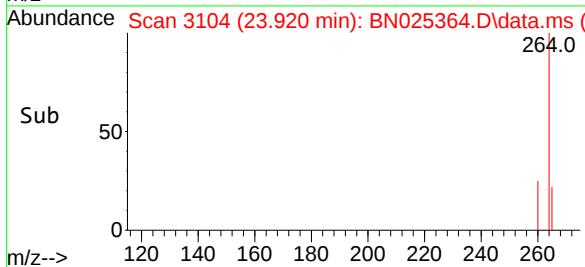
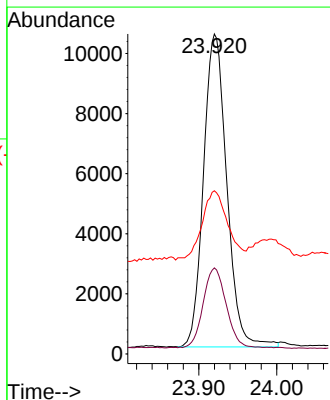
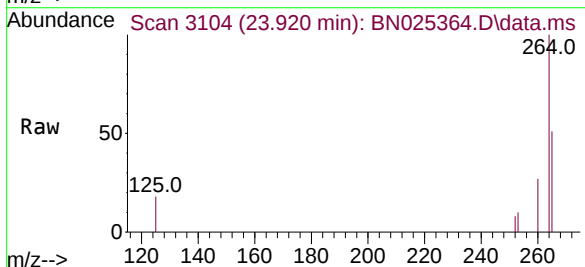
Manual Integrations
APPROVED

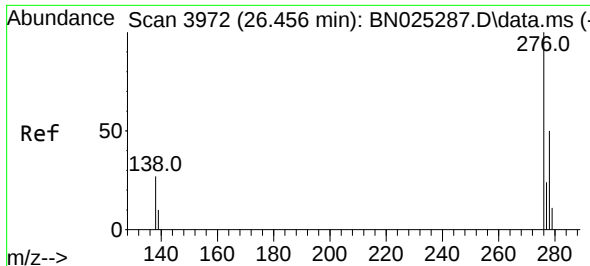
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.920 min Scan# 3104
Delta R.T. 0.009 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

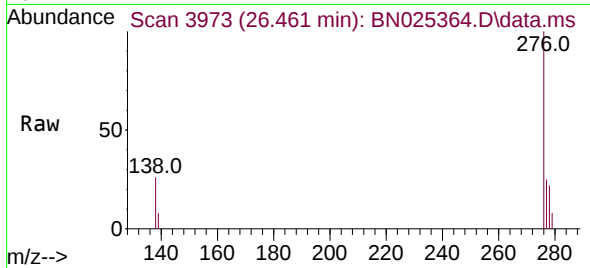
Tgt Ion:264 Resp: 21602
Ion Ratio Lower Upper
264 100
260 26.9 21.5 32.3
265 51.0 46.2 69.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng
RT: 26.461 min Scan# 3973
Delta R.T. 0.003 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

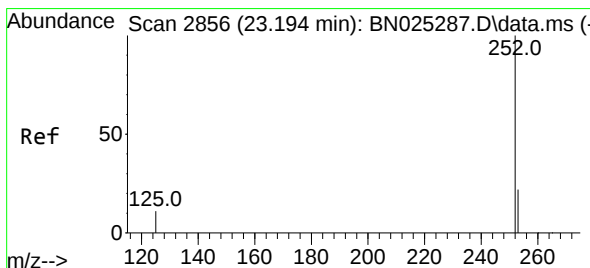
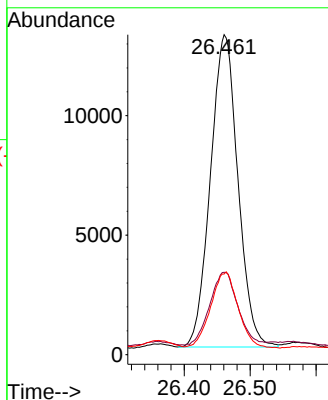
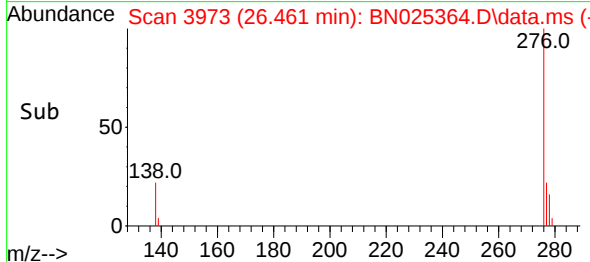
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



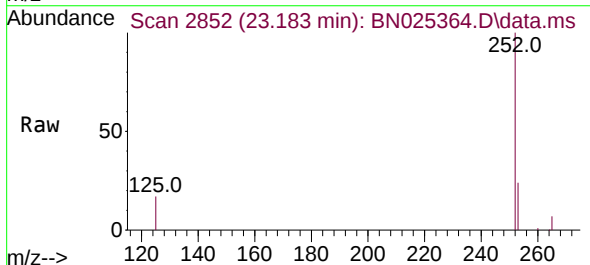
Tgt Ion:276 Resp: 37809
Ion Ratio Lower Upper
276 100
138 23.7 22.5 33.7
277 24.4 19.8 29.6

Manual Integrations
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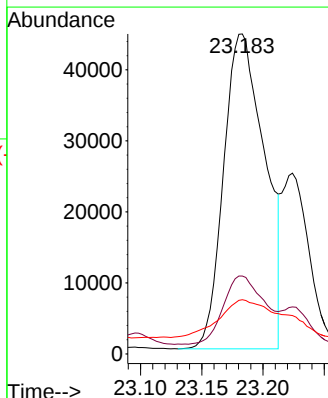
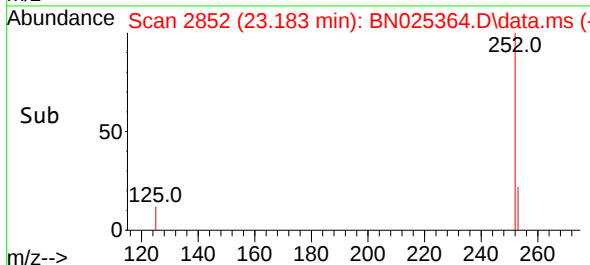
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

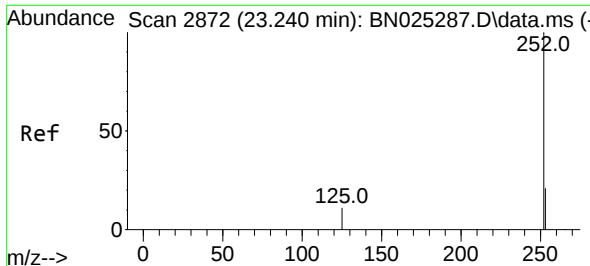


#37
Benzo(b)fluoranthene
Concen: 1.514 ng
RT: 23.183 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17



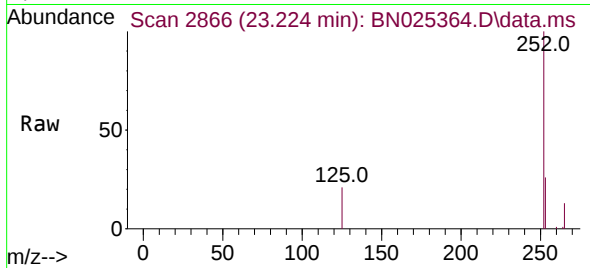
Tgt Ion:252 Resp: 103672
Ion Ratio Lower Upper
252 100
253 24.3 20.8 31.2
125 17.0 13.4 20.2





#38
Benzo(k)fluoranthene
Concen: 0.532 ng m
RT: 23.224 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

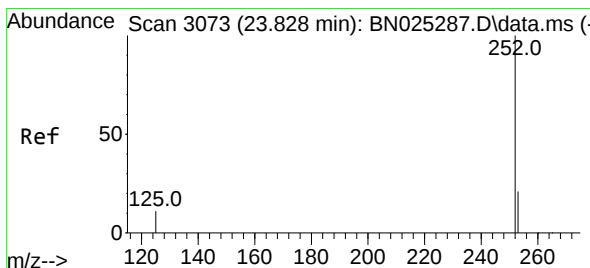
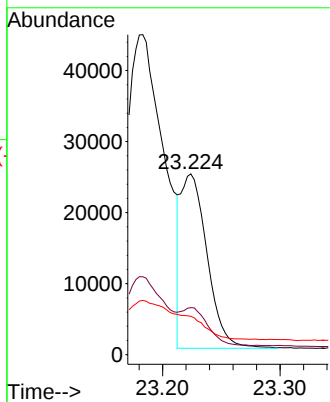
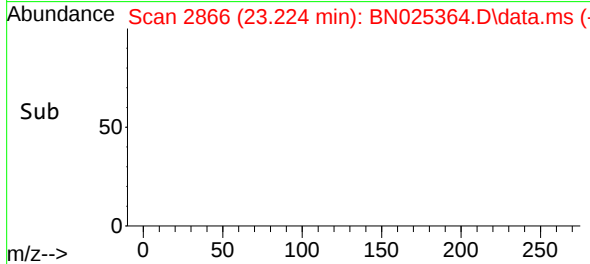
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:252 Resp: 3816
Ion Ratio Lower Upper
252 100
253 26.0 20.6 30.8
125 21.2 13.1 19.7

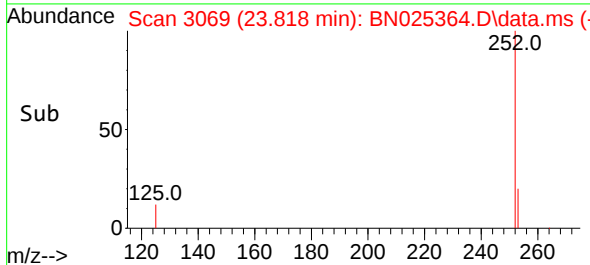
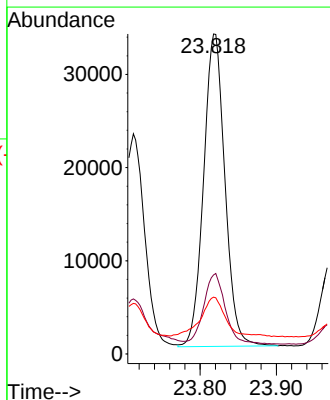
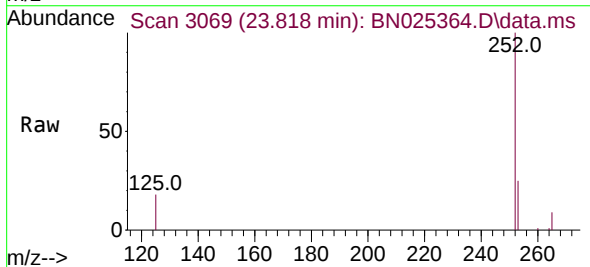
Manual Integrations
APPROVED

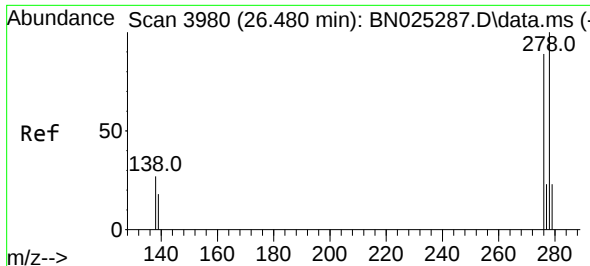
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#39
Benzo(a)pyrene
Concen: 0.928 ng
RT: 23.818 min Scan# 3069
Delta R.T. 0.006 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

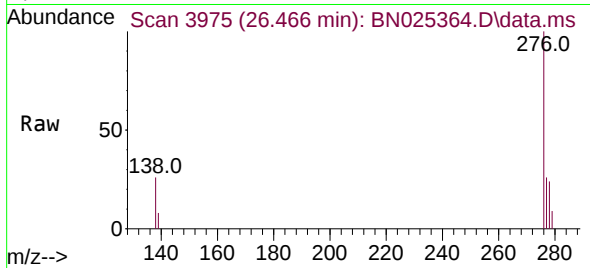
Tgt Ion:252 Resp: 65073
Ion Ratio Lower Upper
252 100
253 24.7 21.4 32.0
125 17.7 15.4 23.2





#40
Dibenzo(a,h)anthracene
Concen: 0.133 ng
RT: 26.466 min Scan# 3980
Delta R.T. -0.006 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

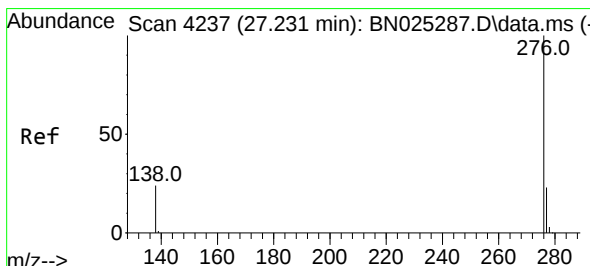
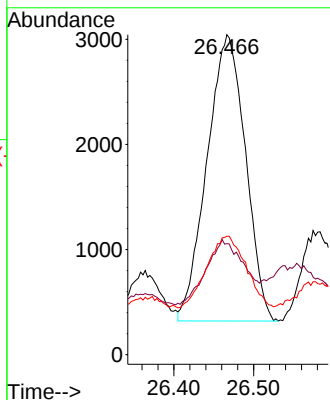
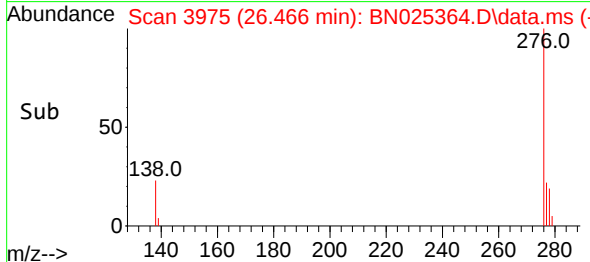
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



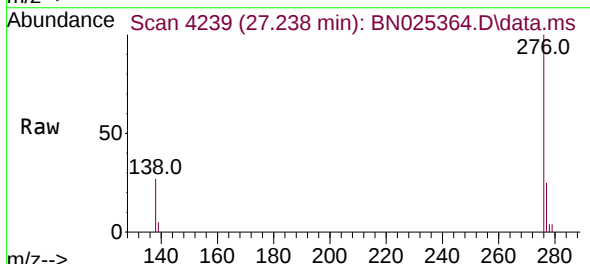
Tgt Ion: 278 Resp: 9118
Ion Ratio Lower Upper
278 100
139 34.7 17.6 26.4
279 37.0 21.6 32.4

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/10/2023
Supervised By : Jagrut Upadhyay 05/10/2023



#41
Benzo(g,h,i)perylene
Concen: 0.471 ng
RT: 27.238 min Scan# 4239
Delta R.T. 0.003 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17



Tgt Ion: 276 Resp: 35337
Ion Ratio Lower Upper
276 100
277 25.3 20.1 30.1
138 26.5 21.0 31.6

