

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025333.D
 Acq On : 08 May 2023 15:20
 Operator : CG/JU
 Sample : 02588-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 50

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

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/09/2023
 Supervised By :Jagrut Upadhyay 05/09/2023

Quant Time: May 09 04:02:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 18:27:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	276029	20.000	ng	0.00
7) Naphthalene-d8	10.707	136	905812	20.000	ng	-0.01
13) Acenaphthene-d10	14.544	164	585979	20.000	ng	0.00
19) Phenanthrene-d10	17.298	188	1364401	20.000	ng	0.00
29) Chrysene-d12	21.504	240	1277984	20.000	ng	0.00
35) Perylene-d12	23.929	264	1613073	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.455	112	1362261	101.378	ng	0.00
5) Phenol-d6	7.066	99	1969409	116.801	ng	0.00
8) Nitrobenzene-d5	9.063	82	983985	66.035	ng	-0.02
11) 2-Methylnaphthalene-d10	12.313	152	2	0.000	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	718272	119.887	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	2131667	53.039	ng	0.00
27) Fluoranthene-d10	19.363	212	733	0.011	ng	0.03
31) Terphenyl-d14	19.928	244	2973825	57.704	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.761	128	435941	9.380	ng	98
12) 2-Methylnaphthalene	12.374	142	135618	4.127	ng	99
16) Acenaphthylene	14.266	152	78743	1.500	ng	98
17) Acenaphthene	14.609	154	565215	17.318	ng	99
18) Fluorene	15.592	166	930580	20.808	ng	99
25) Phenanthrene	17.348	178	7051108	93.392	ng	99
26) Anthracene	17.435	178	2359998	33.367	ng	# 95
28) Fluoranthene	19.368	202	7932178	84.084	ng	97
30) Pyrene	19.734	202	6496304	74.347	ng	# 91
32) Benzo(a)anthracene	21.486	228	3626864	41.981	ng	100
33) Chrysene	21.540	228	2784452	32.379	ng	97
34) Bis(2-ethylhexyl)phtha...	21.396	149	17848	0.263	ng	98
36) Indeno(1,2,3-cd)pyrene	26.446	276	1474738	11.403	ng	96
37) Benzo(b)fluoranthene	23.192	252	3500657	34.230	ng	# 92
38) Benzo(k)fluoranthene	23.233	252	1446566m	13.512	ng	
39) Benzo(a)pyrene	23.824	252	2852524m	27.228	ng	
40) Dibenzo(a,h)anthracene	26.449	278	387030	3.790	ng	99
41) Benzo(g,h,i)perylene	27.224	276	1206761	10.759	ng	97

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

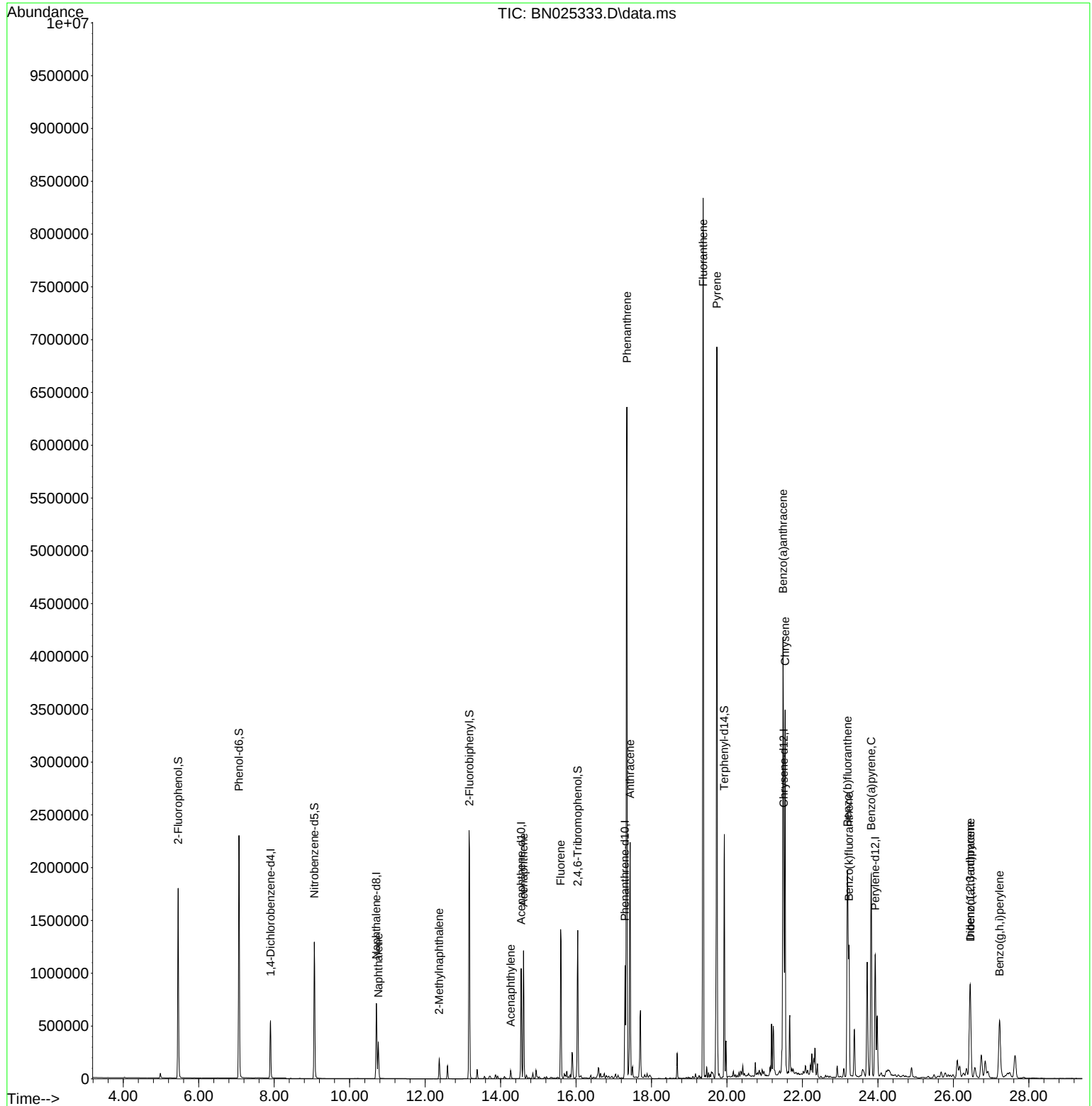
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
Data File : BN025333.D
Acq On : 08 May 2023 15:20
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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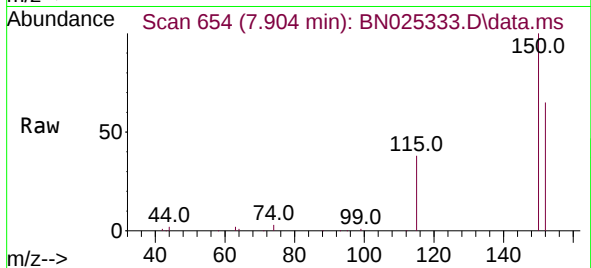
Reviewed By : Christian Giraldo 05/09/2023
Supervised By : Jagrut Upadhyay 05/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

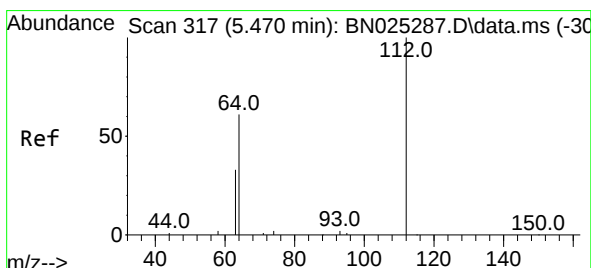
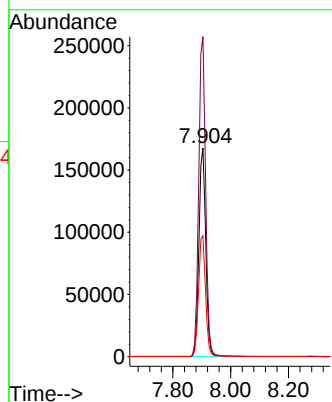
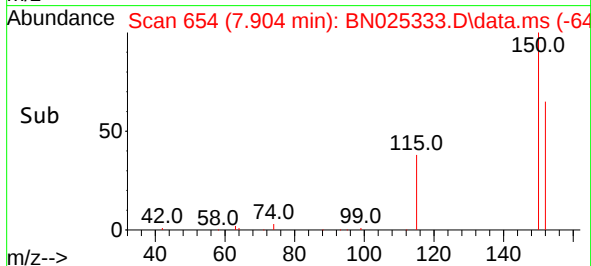
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:152 Resp: 276029
Ion Ratio Lower Upper
152 100
150 153.4 123.8 185.8
115 58.0 52.9 79.3

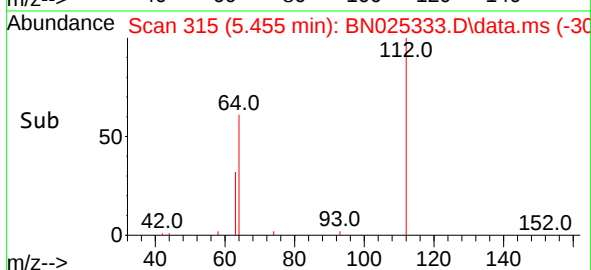
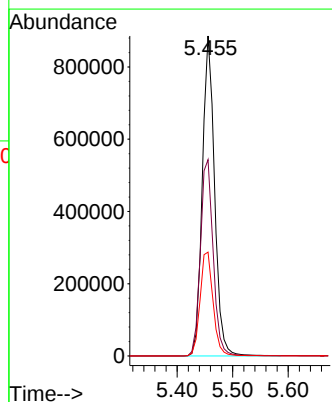
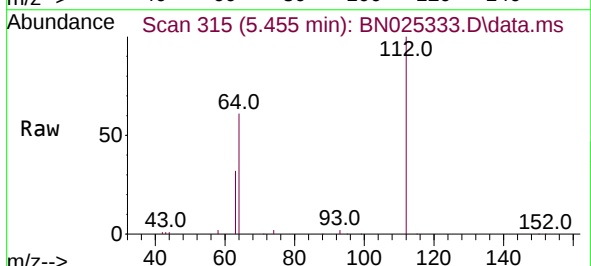
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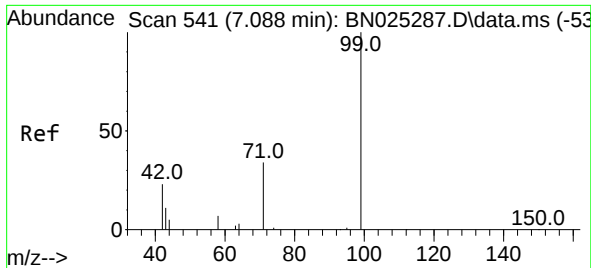
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#4
2-Fluorophenol
Concen: 101.378 ng
RT: 5.455 min Scan# 315
Delta R.T. -0.007 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

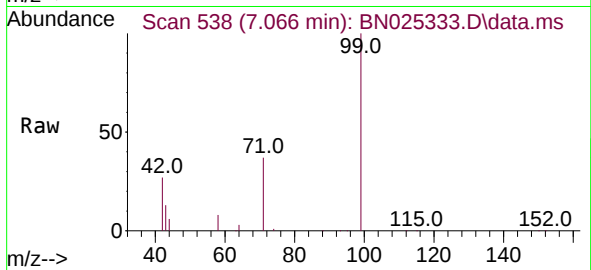
Tgt Ion:112 Resp: 1362261
Ion Ratio Lower Upper
112 100
64 64.0 51.5 77.3
63 34.4 27.8 41.6





#5
Phenol-d6
Concen: 116.801 ng
RT: 7.066 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

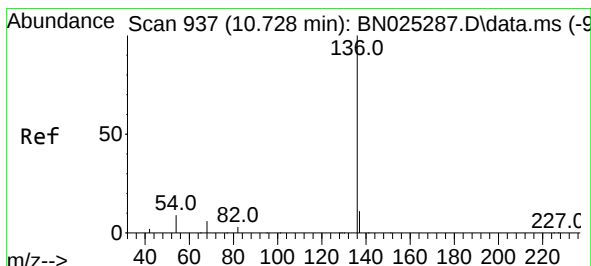
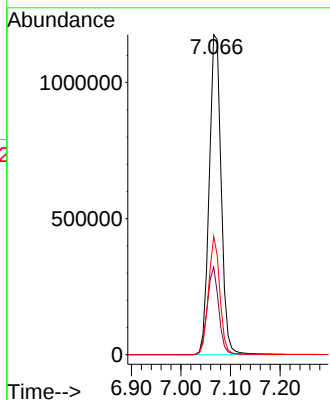
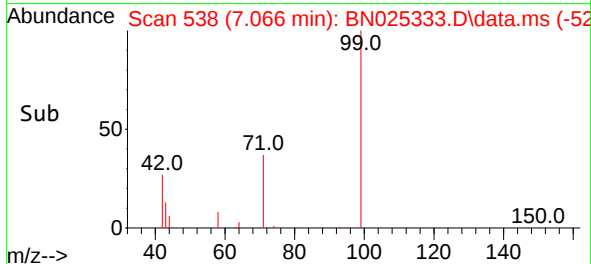
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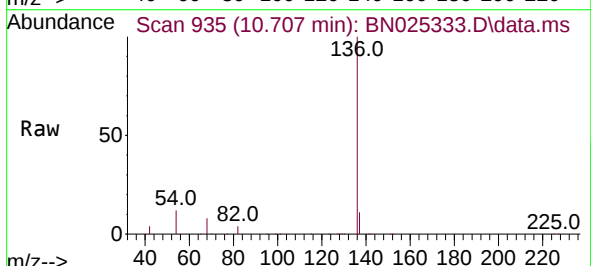
Tgt Ion: 99 Resp: 1969409
Ion Ratio Lower Upper
99 100
42 26.3 22.0 33.0
71 35.1 28.7 43.1

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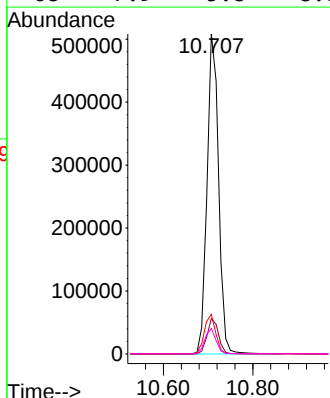
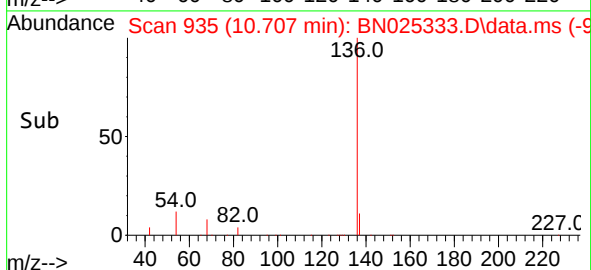
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

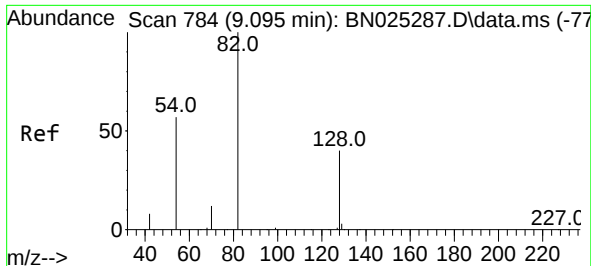


#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.707 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20



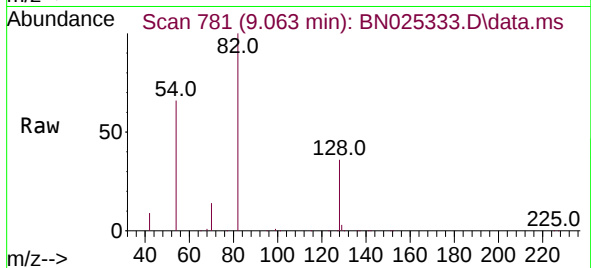
Tgt Ion:136 Resp: 905812
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 12.4 8.5 12.7
68 7.9 5.8 8.8





#8
Nitrobenzene-d5
Concen: 66.035 ng
RT: 9.063 min Scan# 784
Delta R.T. -0.021 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

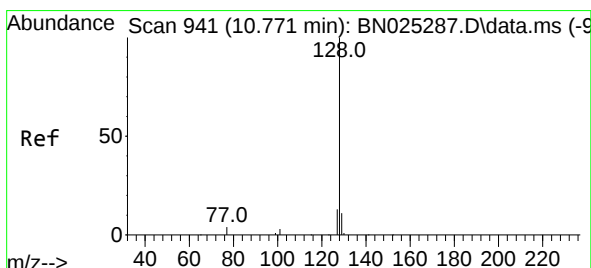
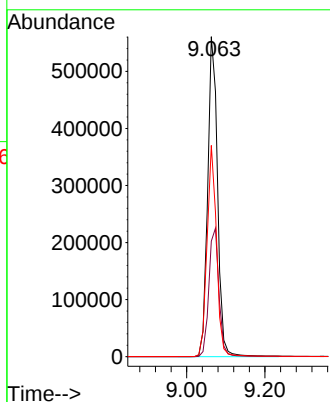
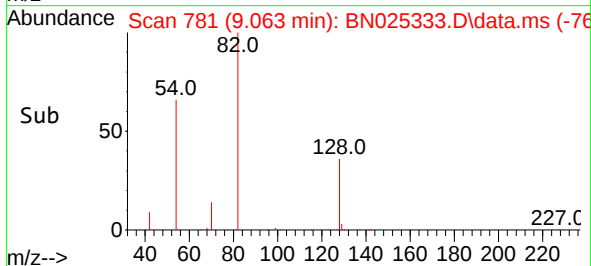
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion: 82 Resp: 983985
Ion Ratio Lower Upper
82 100
128 36.1 35.3 52.9
54 66.0 48.7 73.1

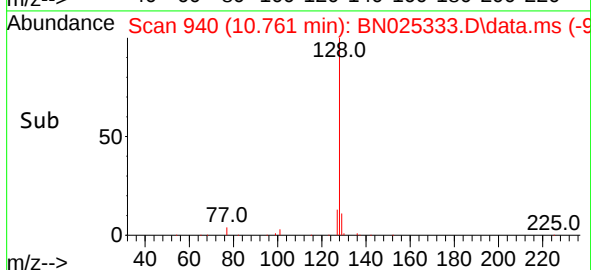
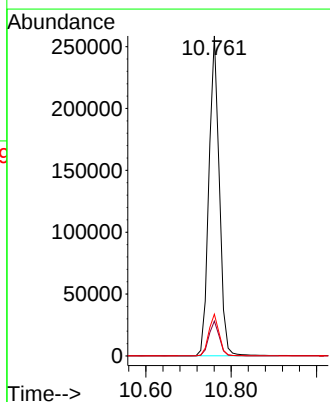
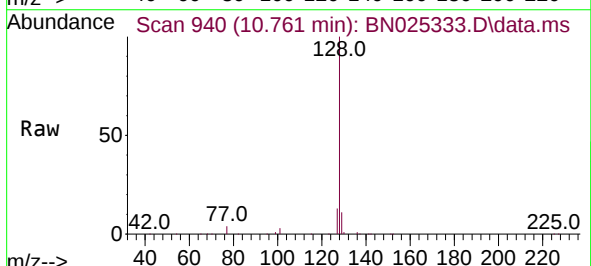
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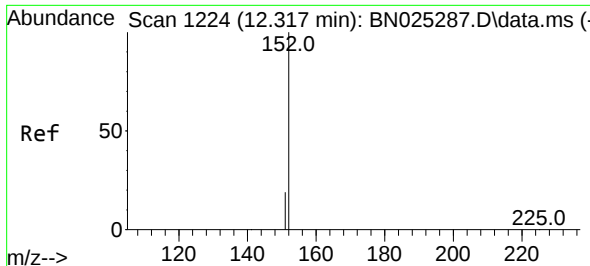
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#9
Naphthalene
Concen: 9.380 ng
RT: 10.761 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

Tgt Ion:128 Resp: 435941
Ion Ratio Lower Upper
128 100
129 10.9 9.4 14.2
127 13.0 11.0 16.6





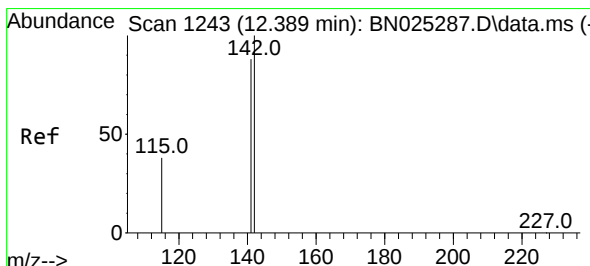
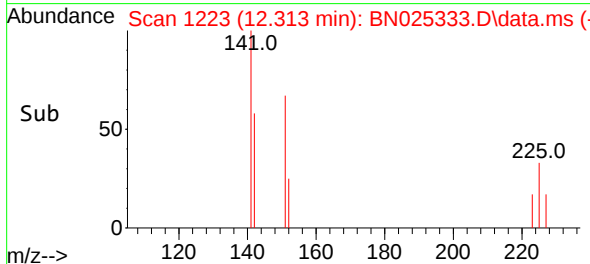
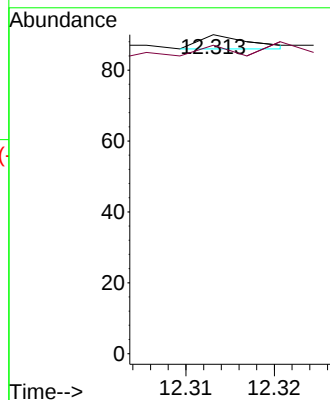
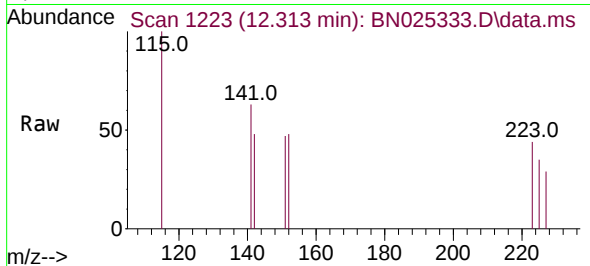
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.313 min Scan# 1224
Delta R.T. 0.007 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

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

Tgt Ion:152 Resp:
Ion Ratio Lower Upper
152 100
151 0.0 16.4 24.6

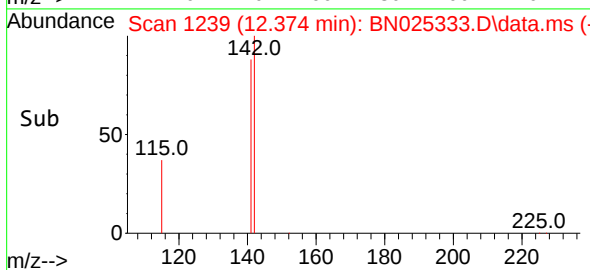
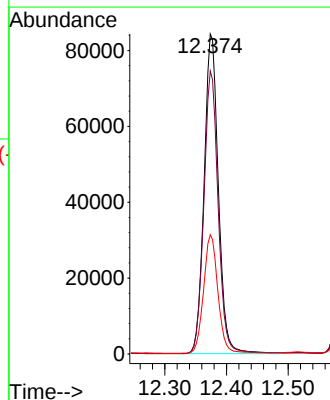
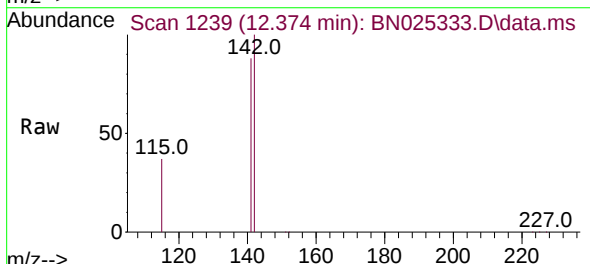
Manual Integrations
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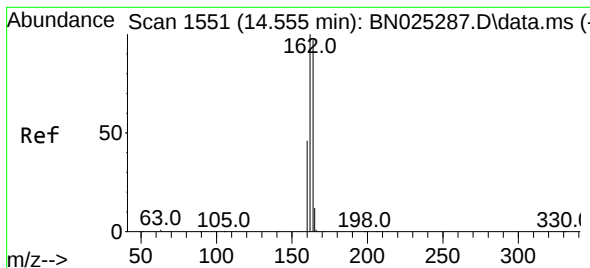
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#12
2-Methylnaphthalene
Concen: 4.127 ng
RT: 12.374 min Scan# 1239
Delta R.T. -0.008 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

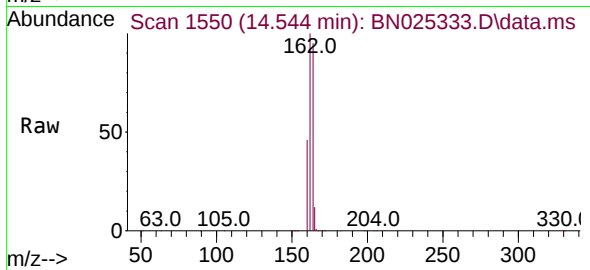
Tgt Ion:142 Resp: 135618
Ion Ratio Lower Upper
142 100
141 88.4 70.5 105.7
115 37.3 31.6 47.4





#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.544 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

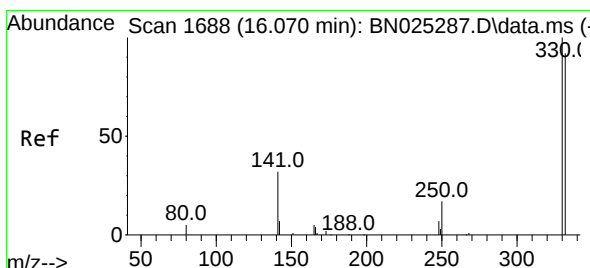
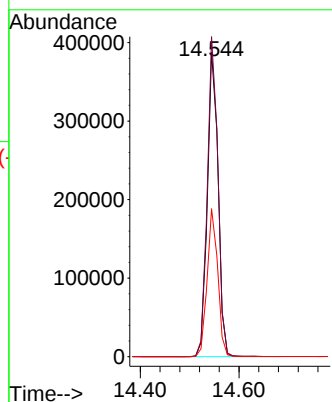
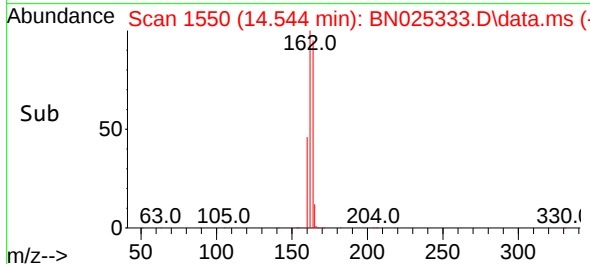
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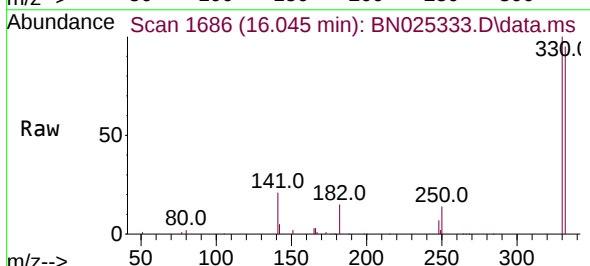
Tgt Ion:164 Resp: 585979
Ion Ratio Lower Upper
164 100
162 105.0 82.1 123.1
160 48.6 38.3 57.5

Manual Integrations
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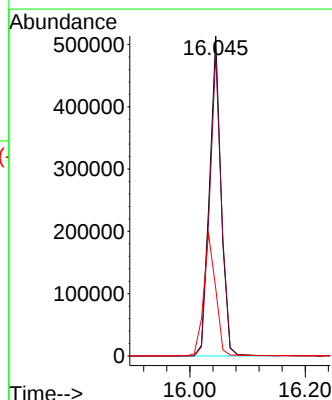
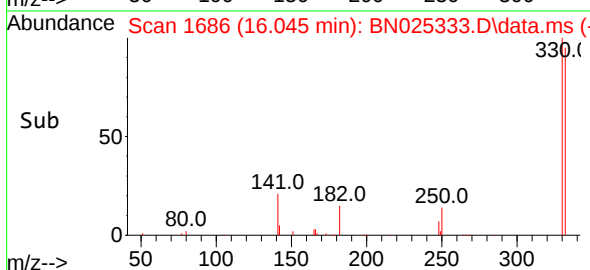
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

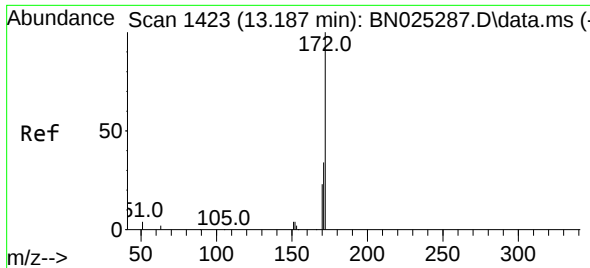


#14
2,4,6-Tribromophenol
Concen: 119.887 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.013 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20



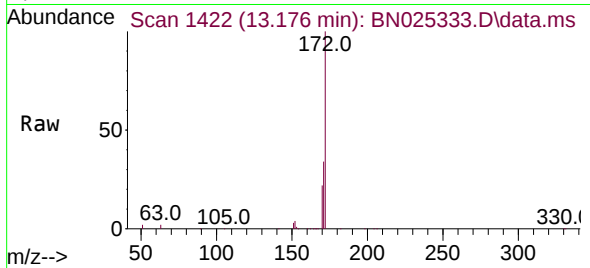
Tgt Ion:330 Resp: 718272
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 39.4 28.9 43.3





#15
2-Fluorobiphenyl
Concen: 53.039 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

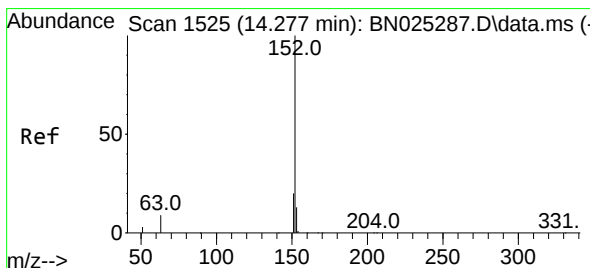
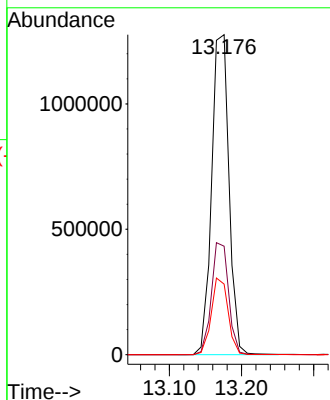
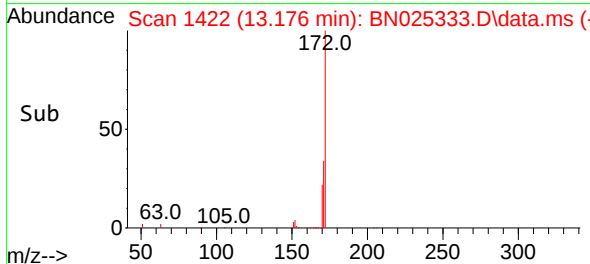
Instrument :
BNA_N
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PILE-B-UNK-05022023



Tgt Ion:172 Resp: 213166
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172 100
171 33.9 27.9 41.9
170 22.1 19.0 28.4

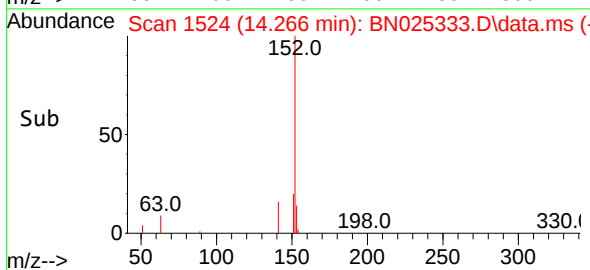
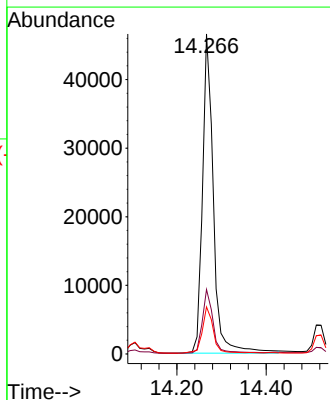
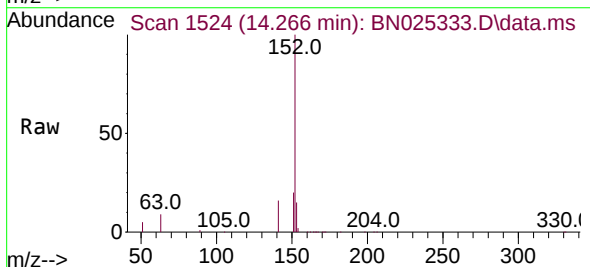
Manual Integrations
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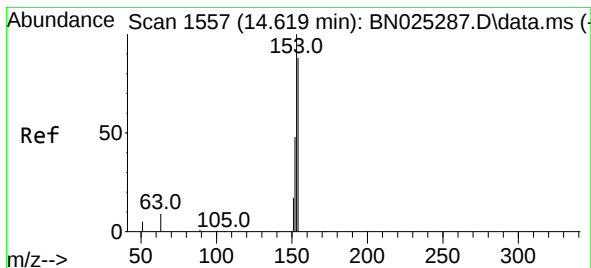
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#16
Acenaphthylene
Concen: 1.500 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

Tgt Ion:152 Resp: 78743
Ion Ratio Lower Upper
152 100
151 19.6 16.1 24.1
153 14.7 10.3 15.5





#17

Acenaphthene

Concen: 17.318 ng

RT: 14.609 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN025333.D

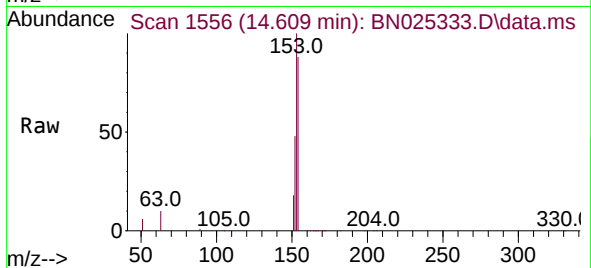
Acq: 08 May 2023 15:20

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023



Tgt Ion:154 Resp: 56521

Ion Ratio Lower Upper

154 100

153 113.5 91.3 136.9

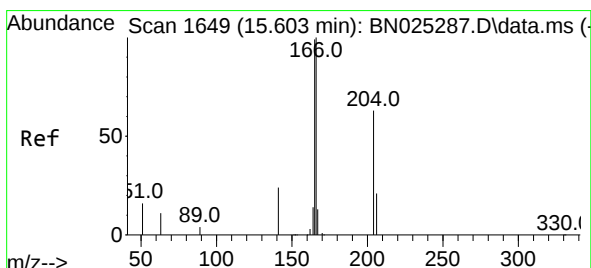
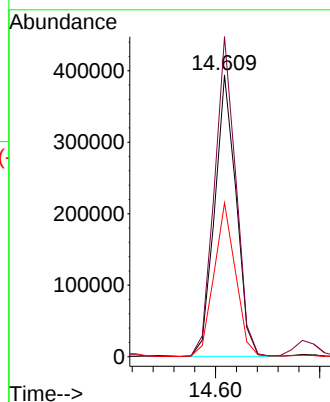
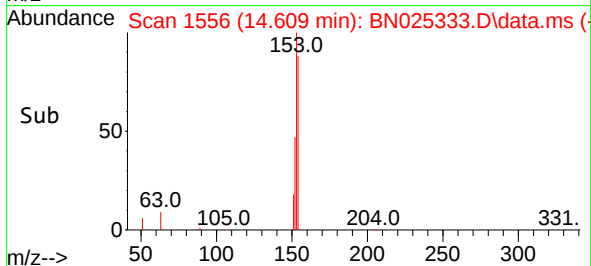
152 54.8 44.7 67.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/09/2023

Supervised By :Jagrut Upadhyay 05/09/2023



#18

Fluorene

Concen: 20.808 ng

RT: 15.592 min Scan# 1648

Delta R.T. -0.011 min

Lab File: BN025333.D

Acq: 08 May 2023 15:20

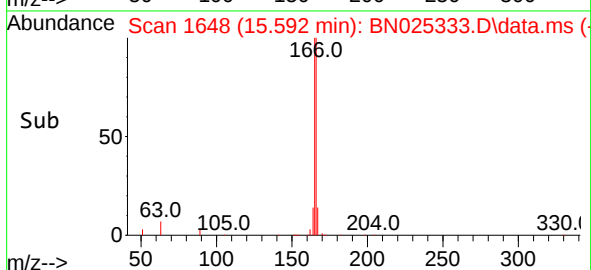
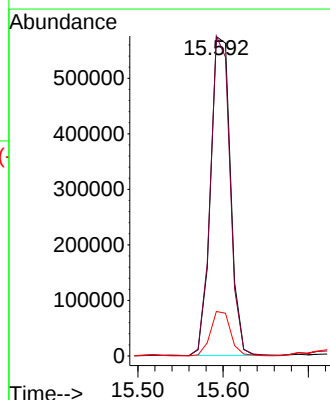
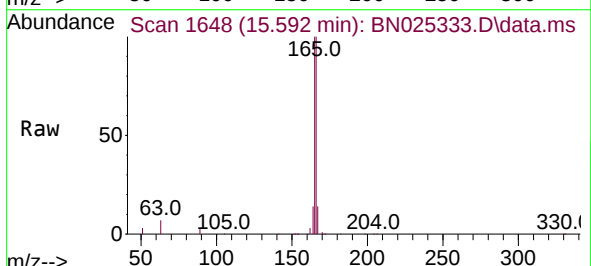
Tgt Ion:166 Resp: 930580

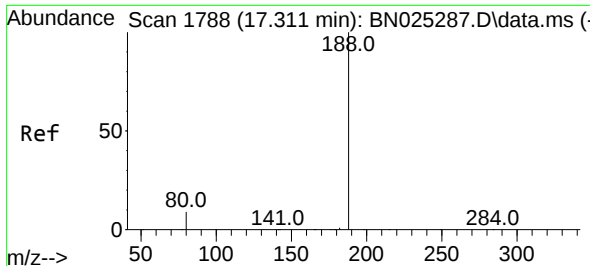
Ion Ratio Lower Upper

166 100

165 98.1 79.0 118.4

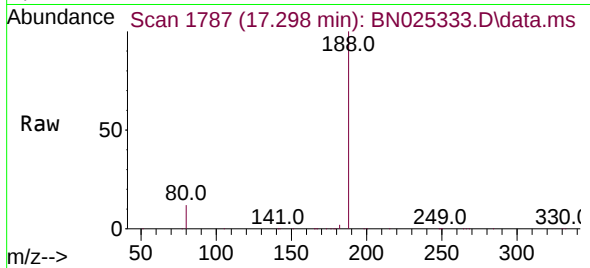
167 14.2 10.3 15.5





#19
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

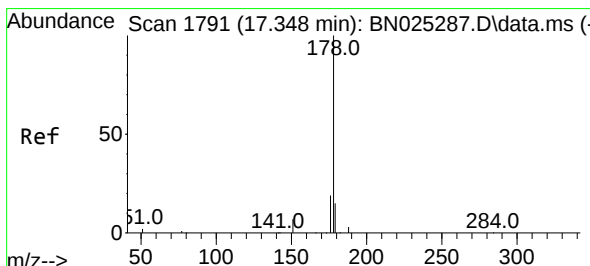
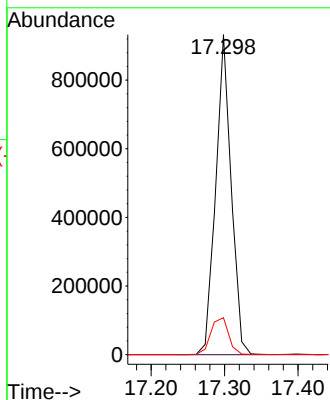
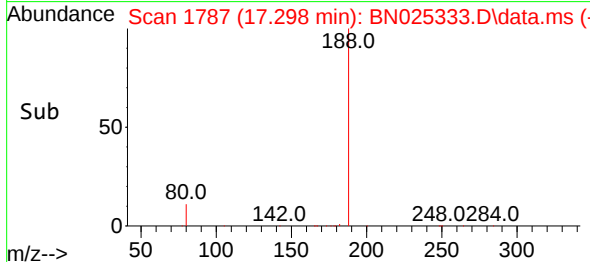
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:188 Resp: 136440
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 8.0 12.0

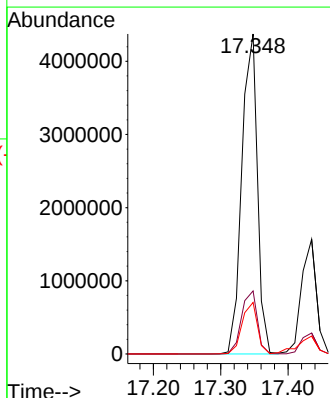
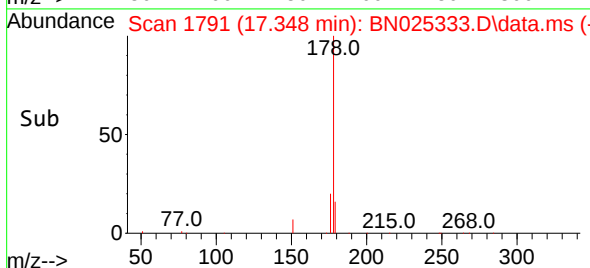
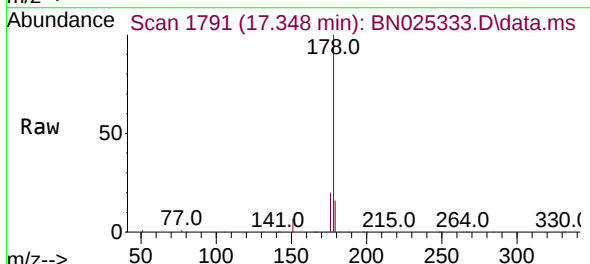
Manual Integrations
APPROVED

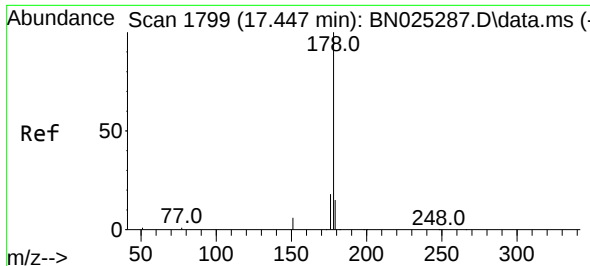
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#25
Phenanthrene
Concen: 93.392 ng
RT: 17.348 min Scan# 1791
Delta R.T. 0.012 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

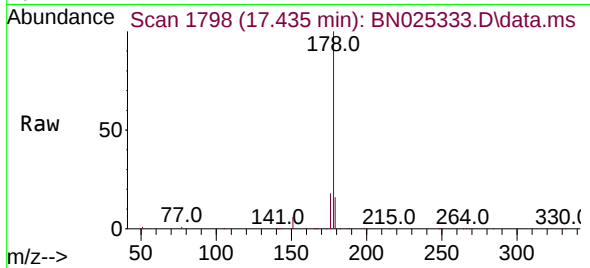
Tgt Ion:178 Resp: 7051108
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 16.2 12.4 18.6





#26
 Anthracene
 Concen: 33.367 ng
 RT: 17.435 min Scan# 1798
 Delta R.T. -0.000 min
 Lab File: BN025333.D
 Acq: 08 May 2023 15:20

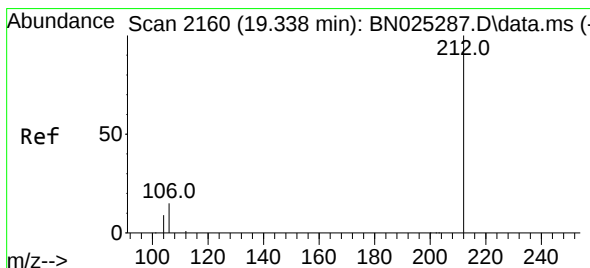
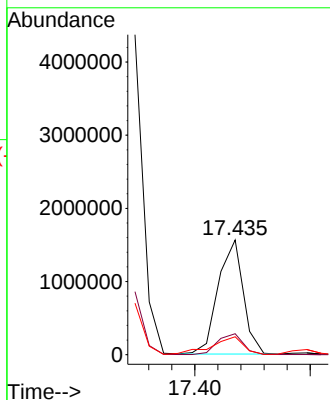
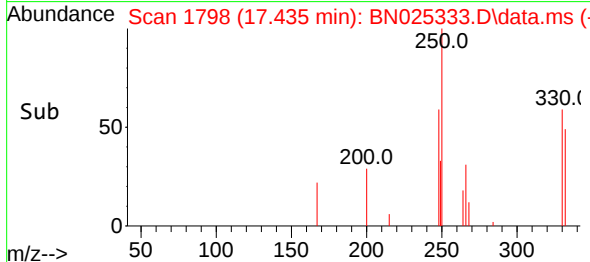
Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023



Tgt Ion:178 Resp: 2359998
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 18.8 12.0 18.0

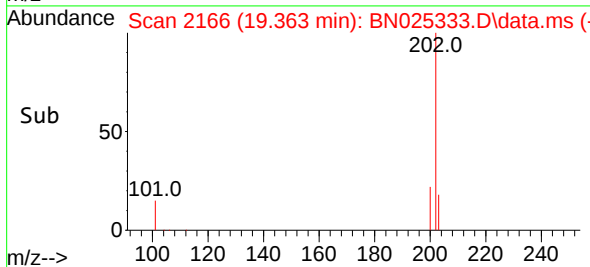
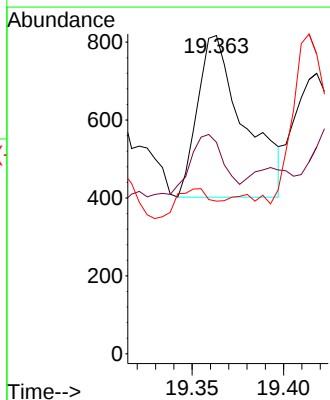
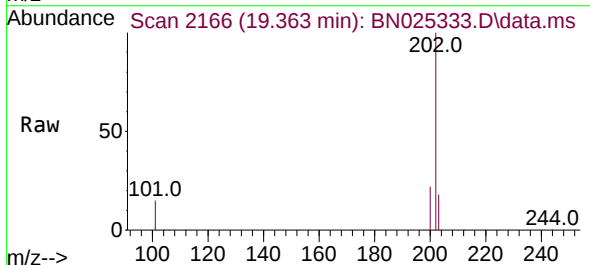
Manual Integrations
 APPROVED

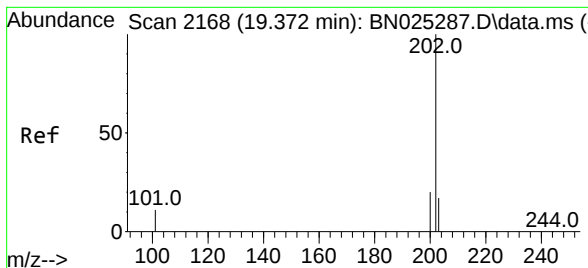
Reviewed By :Christian Giraldo 05/09/2023
 Supervised By :Jagrut Upadhyay 05/09/2023



#27
 Fluoranthene-d10
 Concen: 0.011 ng
 RT: 19.363 min Scan# 2166
 Delta R.T. 0.029 min
 Lab File: BN025333.D
 Acq: 08 May 2023 15:20

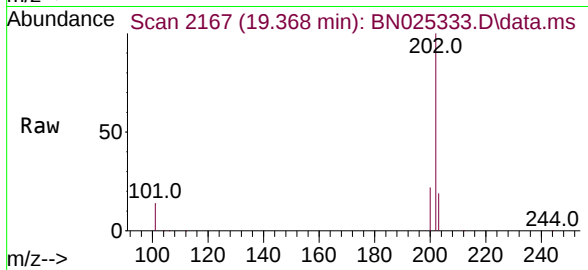
Tgt Ion:212 Resp: 733
 Ion Ratio Lower Upper
 212 100
 106 28.2 12.6 19.0#
 104 13.6 7.0 10.6#





#28
Fluoranthene
Concen: 84.084 ng
RT: 19.368 min Scan# 2167
Delta R.T. 0.004 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

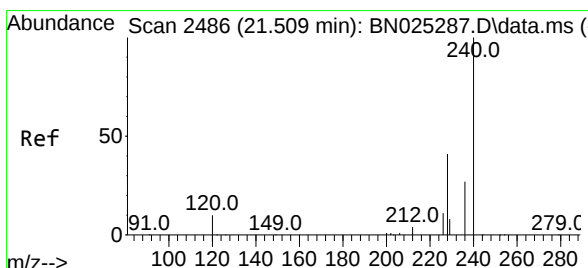
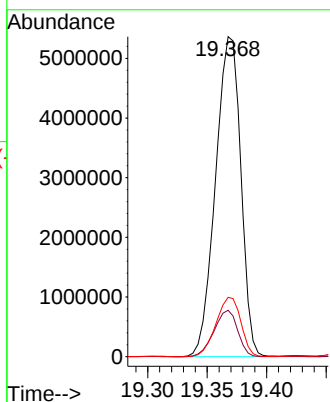
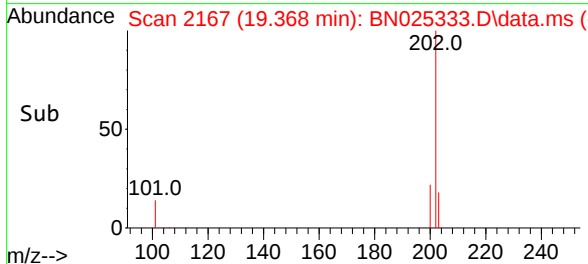
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:202 Resp: 7932178
Ion Ratio Lower Upper
202 100
101 13.6 9.8 14.8
203 18.2 13.5 20.3

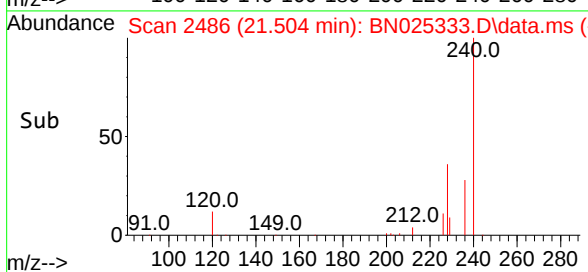
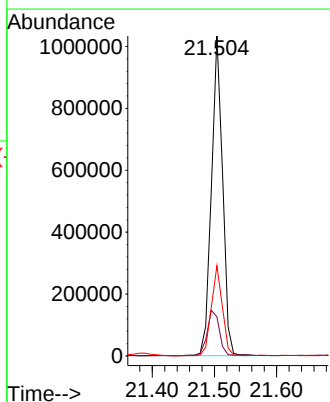
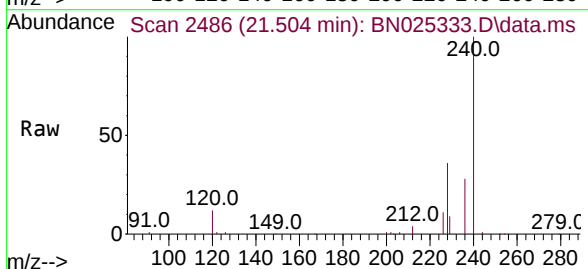
Manual Integrations
APPROVED

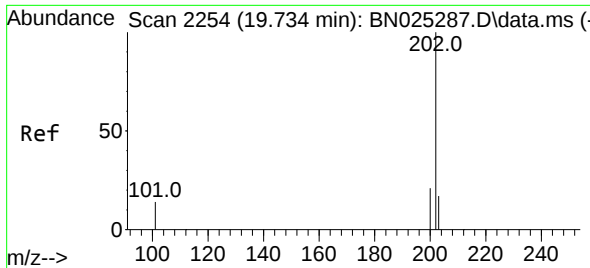
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#29
Chrysene-d12
Concen: 20.000 ng
RT: 21.504 min Scan# 2486
Delta R.T. 0.004 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

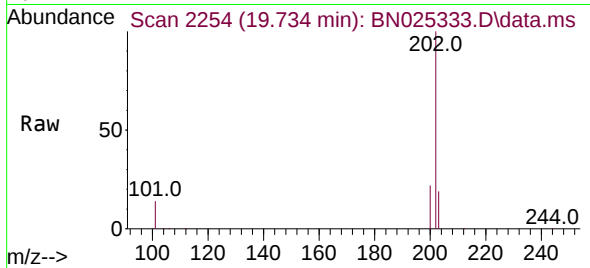
Tgt Ion:240 Resp: 1277984
Ion Ratio Lower Upper
240 100
120 12.2 10.3 15.5
236 28.2 22.3 33.5





#30
Pyrene
Concen: 74.347 ng
RT: 19.734 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

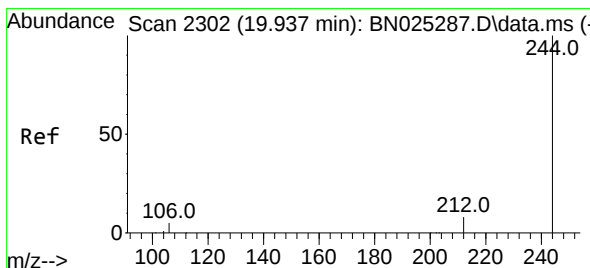
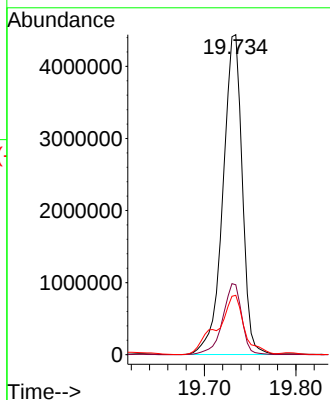
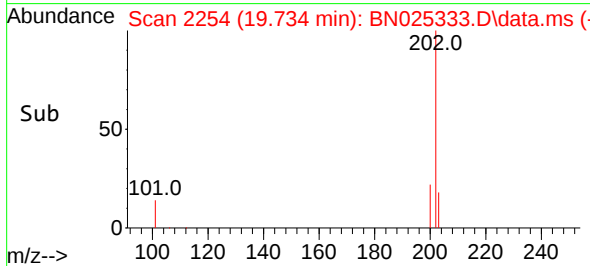
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:202 Resp: 6496304
Ion Ratio Lower Upper
202 100
200 22.0 16.8 25.2
203 25.7 14.4 21.6

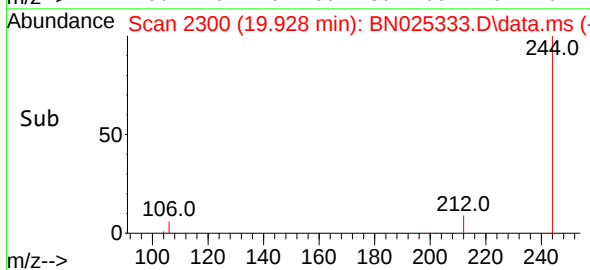
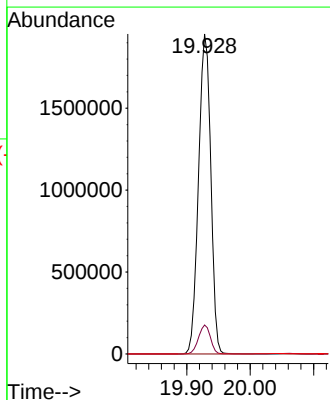
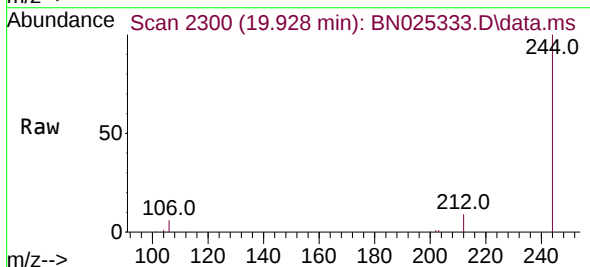
Manual Integrations
APPROVED

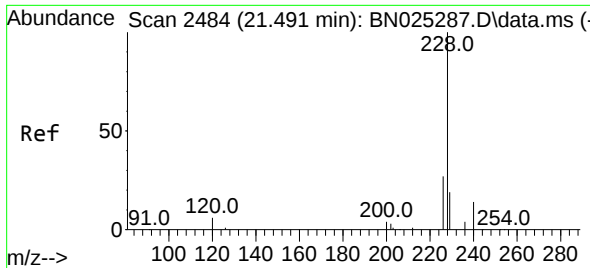
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#31
Terphenyl-d14
Concen: 57.704 ng
RT: 19.928 min Scan# 2300
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

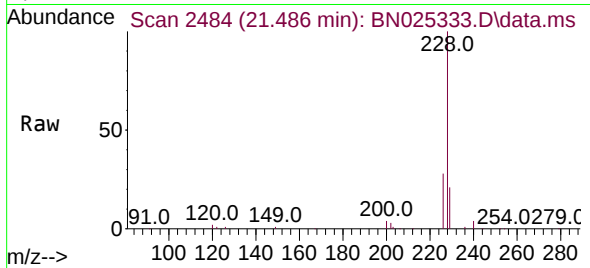
Tgt Ion:244 Resp: 2973825
Ion Ratio Lower Upper
244 100
212 9.0 7.1 10.7
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 41.981 ng
RT: 21.486 min Scan# 2484
Delta R.T. 0.004 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

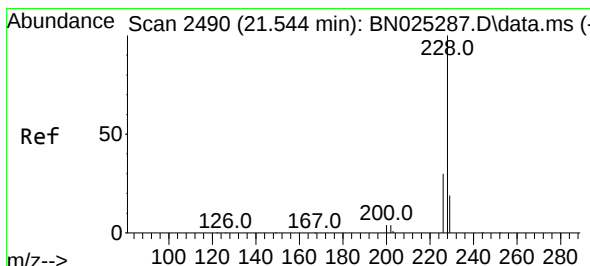
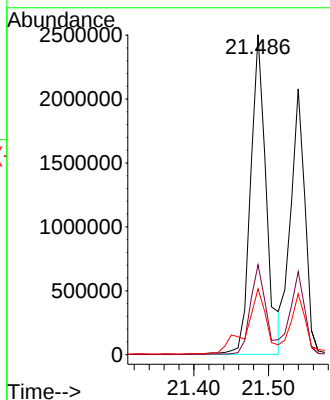
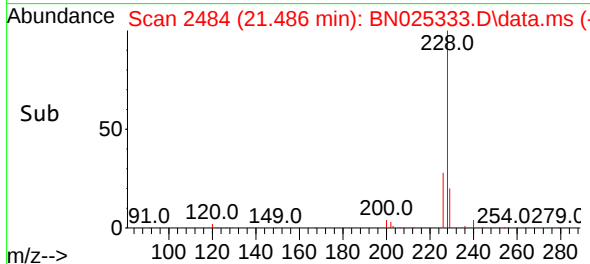
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:228 Resp: 3626864
Ion Ratio Lower Upper
228 100
226 28.1 22.5 33.7
229 20.6 16.2 24.2

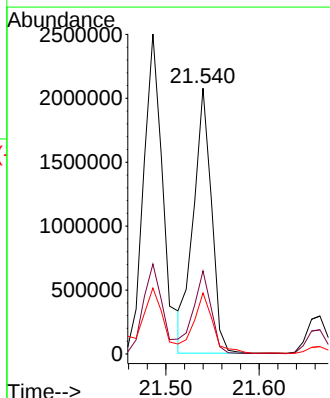
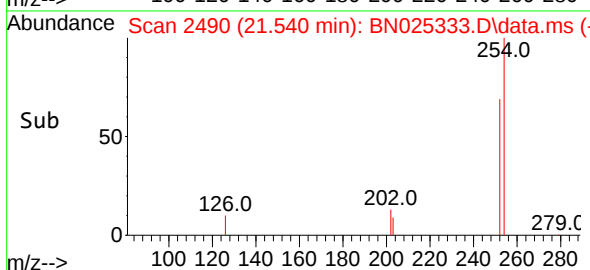
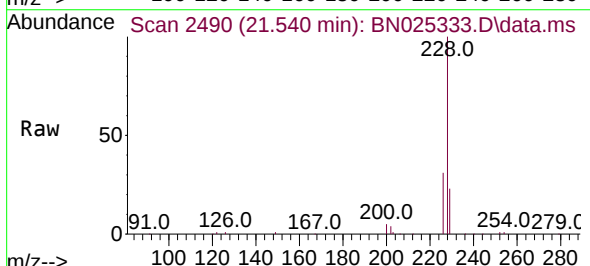
Manual Integrations
APPROVED

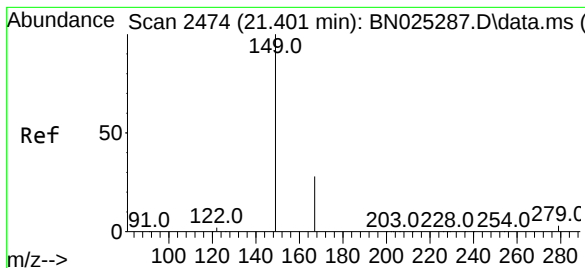
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#33
Chrysene
Concen: 32.379 ng
RT: 21.540 min Scan# 2490
Delta R.T. 0.004 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

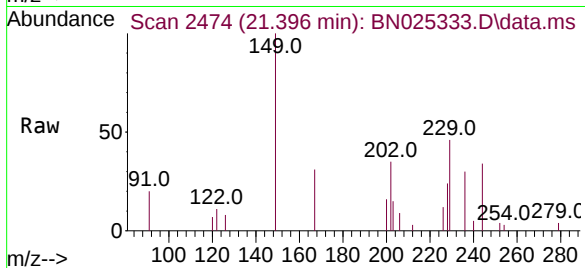
Tgt Ion:228 Resp: 2784452
Ion Ratio Lower Upper
228 100
226 31.2 24.6 36.8
229 22.9 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.263 ng
RT: 21.396 min Scan# 2474
Delta R.T. 0.004 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

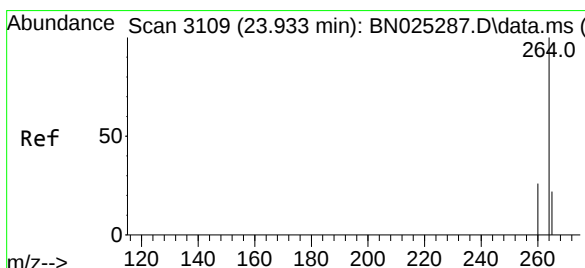
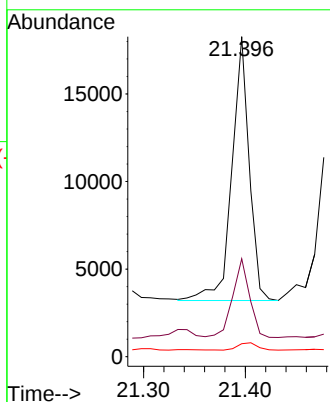
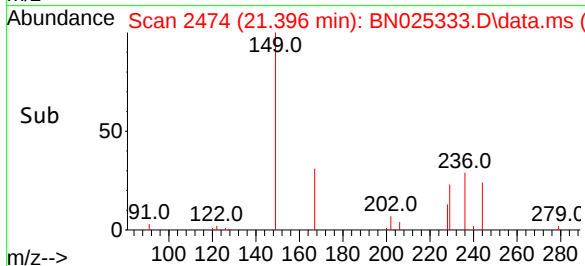
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



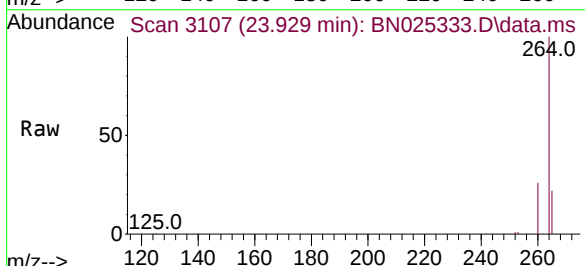
Tgt Ion:149 Resp: 1784
Ion Ratio Lower Upper
149 100
167 29.1 22.2 33.4
279 3.1 2.6 4.0

Manual Integrations
APPROVED

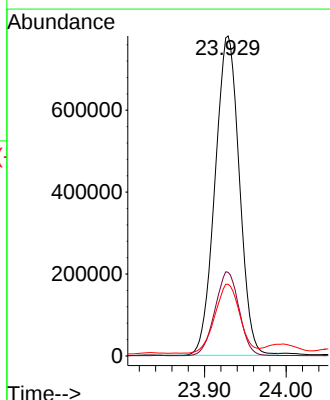
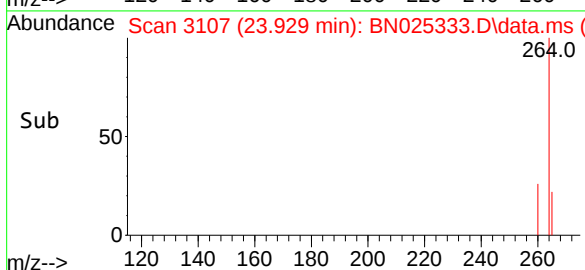
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

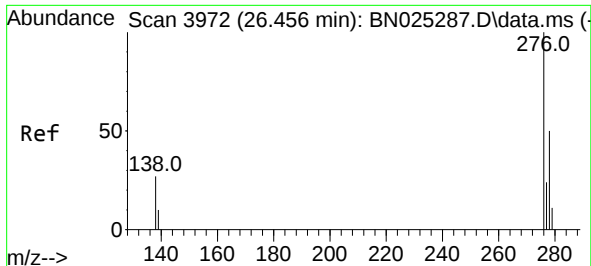


#35
Perylene-d12
Concen: 20.000 ng
RT: 23.929 min Scan# 3107
Delta R.T. -0.002 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20



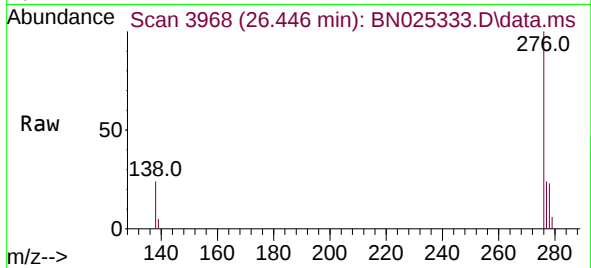
Tgt Ion:264 Resp: 1613073
Ion Ratio Lower Upper
264 100
260 26.1 21.5 32.3
265 22.4 46.2 69.4#





#36
Indeno(1,2,3-cd)pyrene
Concen: 11.403 ng
RT: 26.446 min Scan# 3972
Delta R.T. -0.002 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

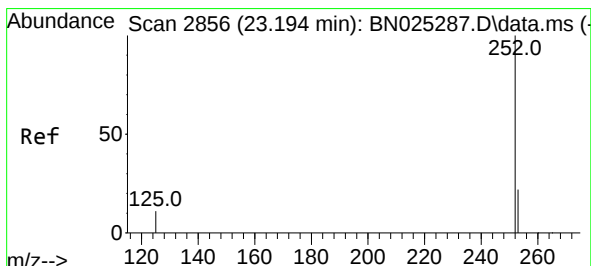
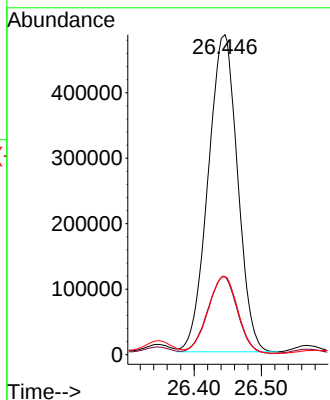
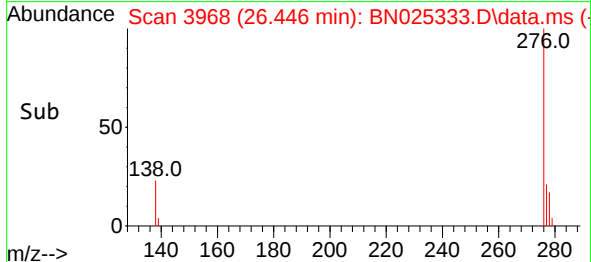
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:276 Resp: 1474738
Ion Ratio Lower Upper
276 100
138 24.4 22.5 33.7
277 24.8 19.8 29.6

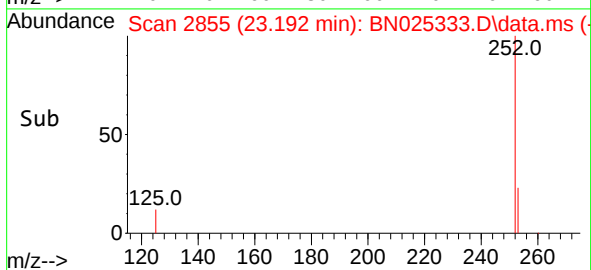
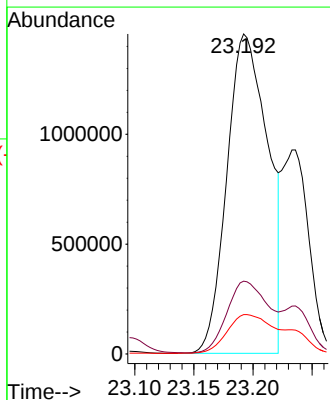
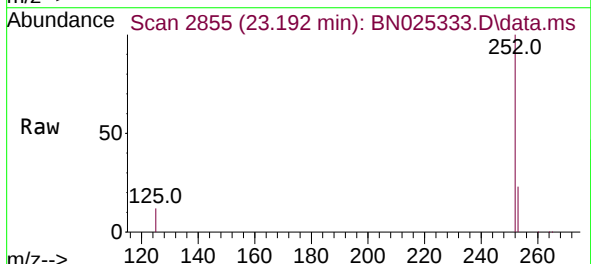
Manual Integrations
APPROVED

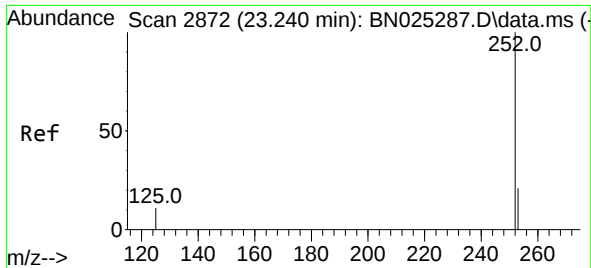
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#37
Benzo(b)fluoranthene
Concen: 34.230 ng
RT: 23.192 min Scan# 2855
Delta R.T. 0.004 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

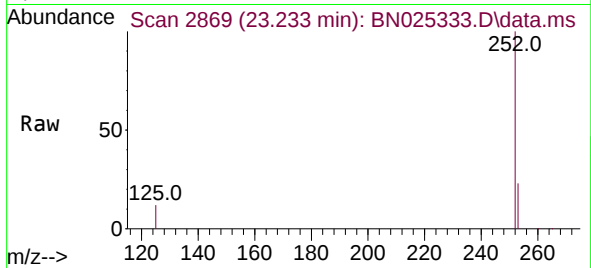
Tgt Ion:252 Resp: 3500657
Ion Ratio Lower Upper
252 100
253 22.7 20.8 31.2
125 12.3 13.4 20.2#





#38
Benzo(k)fluoranthene
Concen: 13.512 ng m
RT: 23.233 min Scan# 2869
Delta R.T. -0.005 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

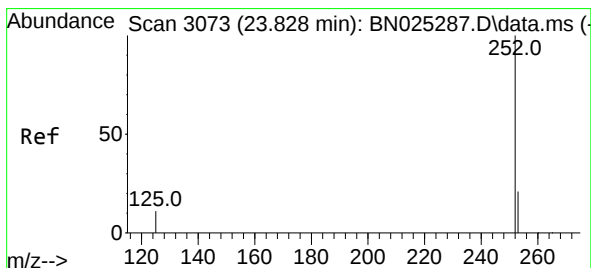
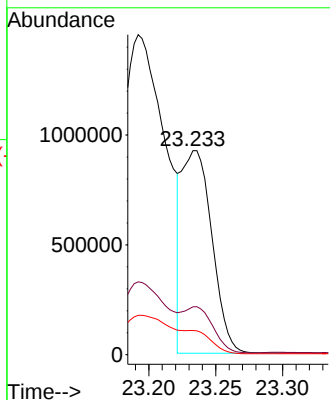
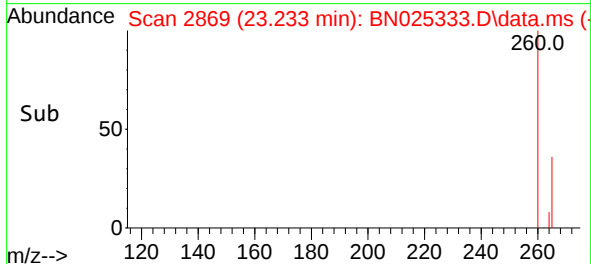
Instrument : BNA_N
ClientSampleId : PILE-B-UNK-05022023



Tgt Ion:252 Resp: 1446560
Ion Ratio Lower Upper
252 100
253 23.5 20.6 30.8
125 11.9 13.1 19.7

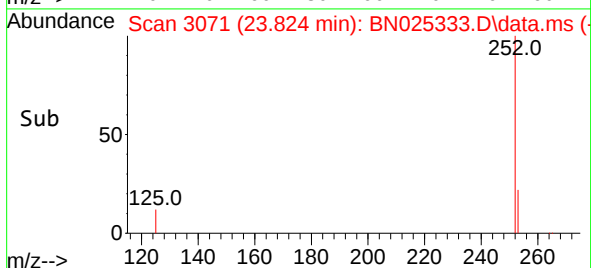
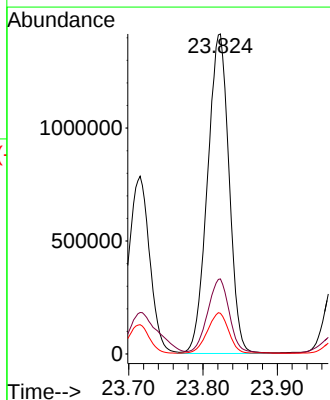
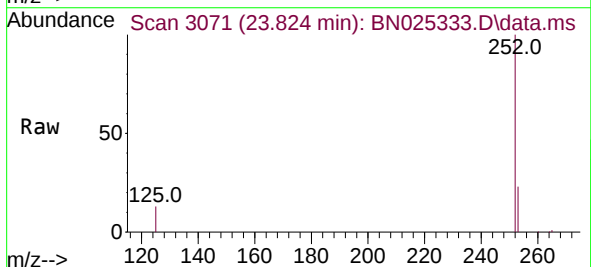
Manual Integrations
APPROVED

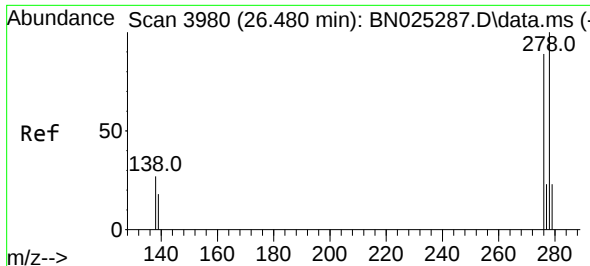
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#39
Benzo(a)pyrene
Concen: 27.228 ng m
RT: 23.824 min Scan# 3071
Delta R.T. 0.001 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

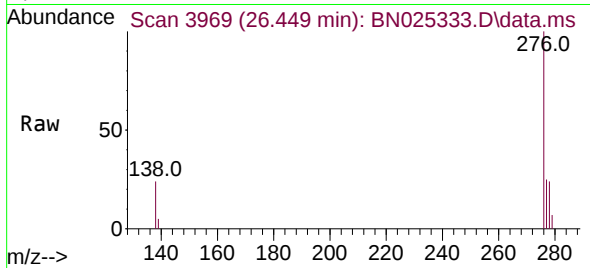
Tgt Ion:252 Resp: 2852524
Ion Ratio Lower Upper
252 100
253 23.5 21.4 32.0
125 12.7 15.4 23.2





#40
Dibenzo(a,h)anthracene
Concen: 3.790 ng
RT: 26.449 min Scan# 3980
Delta R.T. -0.016 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

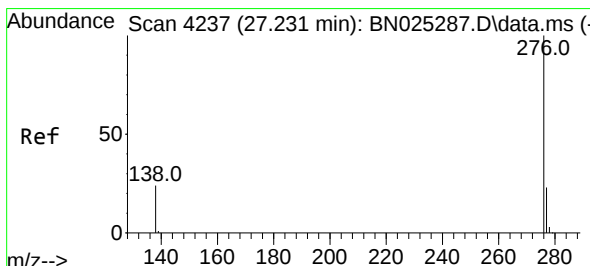
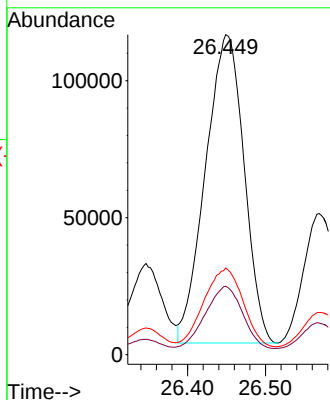
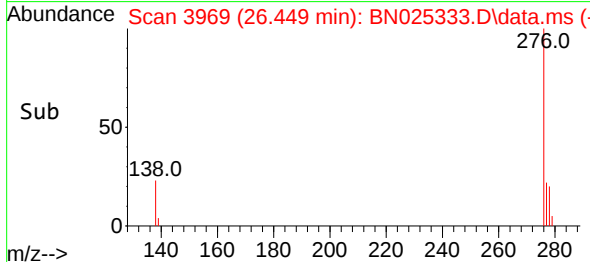
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:278 Resp: 387030
Ion Ratio Lower Upper
278 100
139 21.4 17.6 26.4
279 27.1 21.6 32.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#41
Benzo(g,h,i)perylene
Concen: 10.759 ng
RT: 27.224 min Scan# 4234
Delta R.T. -0.005 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

Tgt Ion:276 Resp: 1206761
Ion Ratio Lower Upper
276 100
277 23.9 20.1 30.1
138 24.6 21.0 31.6

