

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

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)

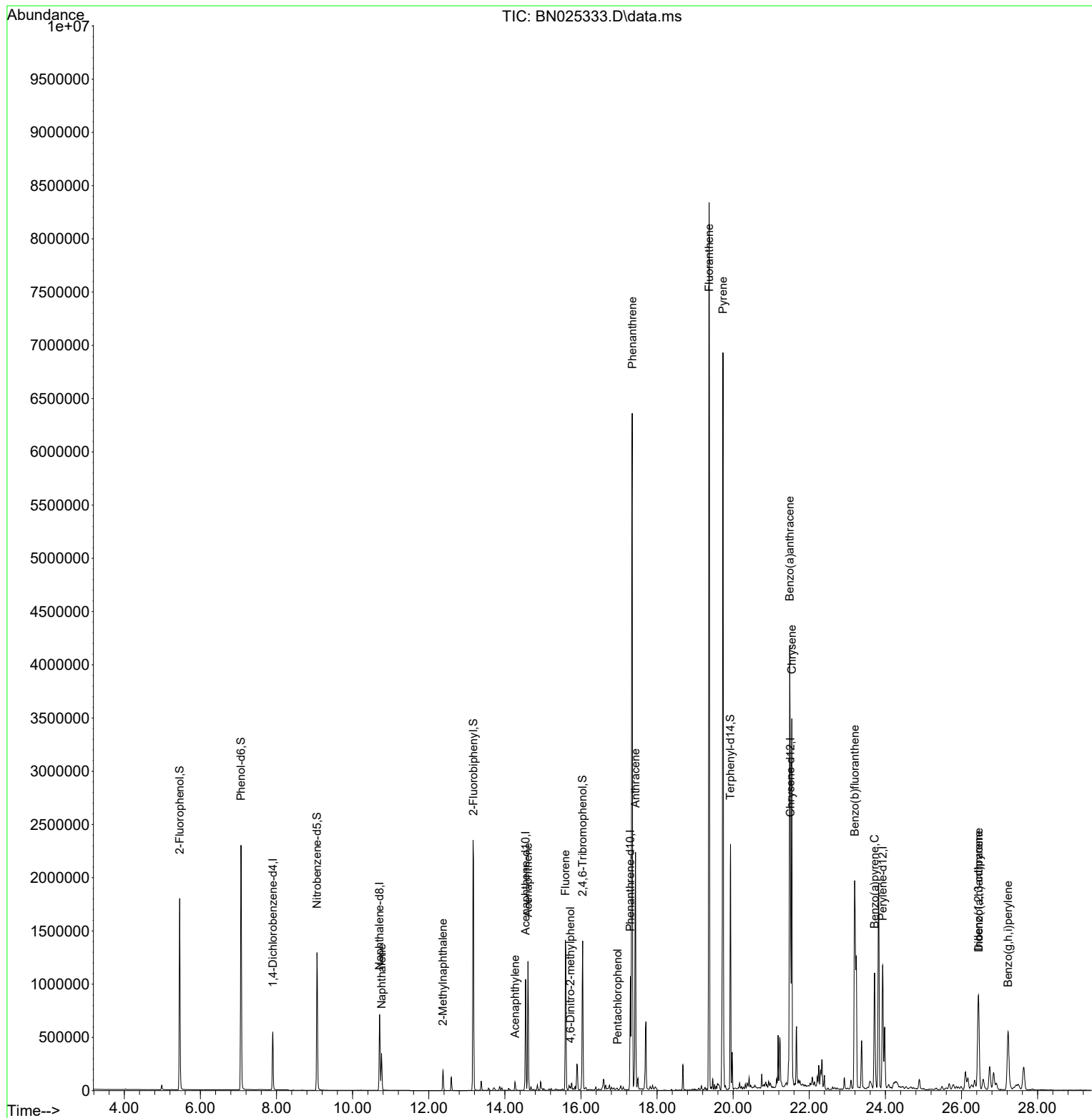
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	276029	20.000	ng	0.00
7) Naphthalene-d8	10.707	136	905812	20.000	ng	-0.01
13) Acenaphthene-d10	14.544	164	585979	20.000	ng	0.00
19) Phenanthrene-d10	17.298	188	1364401	20.000	ng	0.00
29) Chrysene-d12	21.504	240	1277984	20.000	ng	0.00
35) Perylene-d12	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
3) n-Nitrosodimethylamine	3.585	42	782	0.088	ng	# 2
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
20) 4,6-Dinitro-2-methylph...	15.722	198	26	14.017	ng	# 1
24) Pentachlorophenol	16.963	266	57	13.320	ng	# 39
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
39) Benzo(a)pyrene	23.715	252	1532902	14.632	ng	94
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

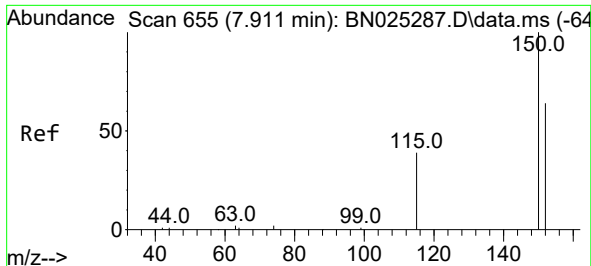
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
Data File : BN025333.D
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Instrument :
BNA_N
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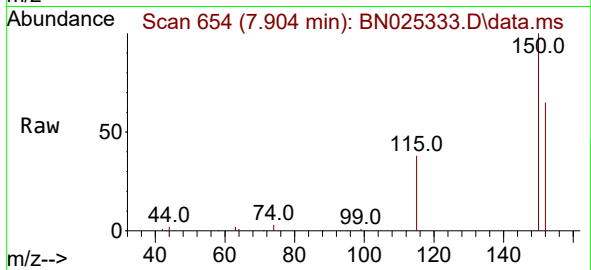
Quant Time: May 09 04:02:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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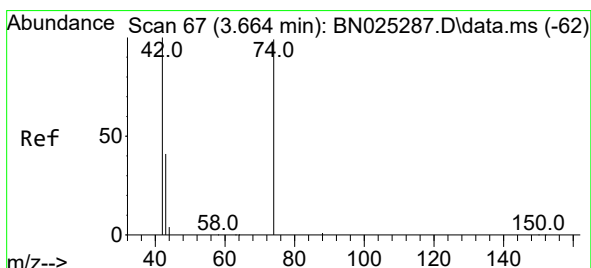
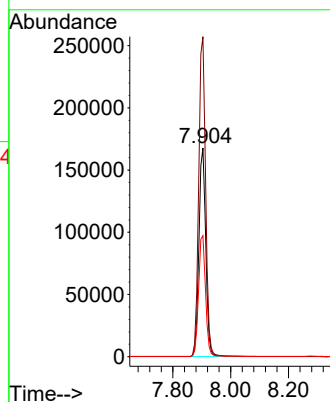
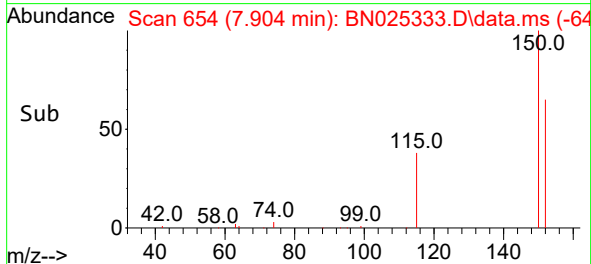


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

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

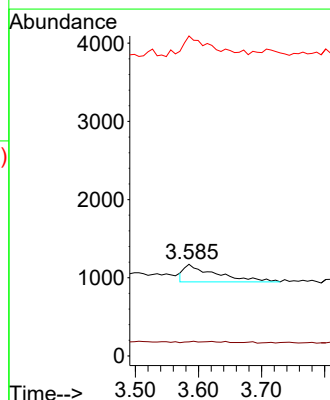
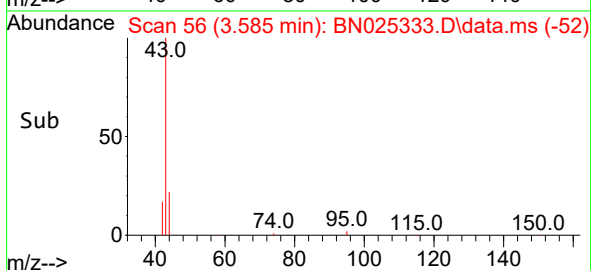
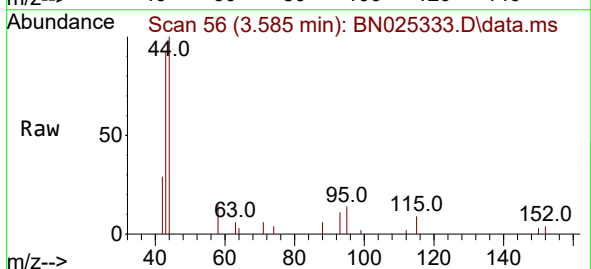


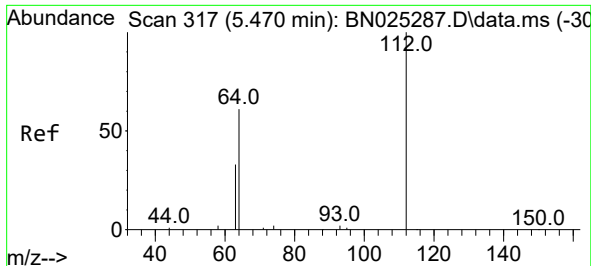
Tgt Ion:152 Resp: 276029
Ion Ratio Lower Upper
152 100
150 153.4 123.8 185.8
115 58.0 52.9 79.3



#3
n-Nitrosodimethylamine
Concen: 0.088 ng
RT: 3.585 min Scan# 56
Delta R.T. -0.072 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

Tgt Ion: 42 Resp: 782
Ion Ratio Lower Upper
42 100
74 2.9 79.9 119.9#
44 48.3 7.0 10.6#

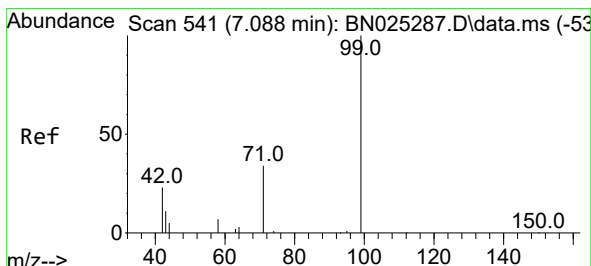
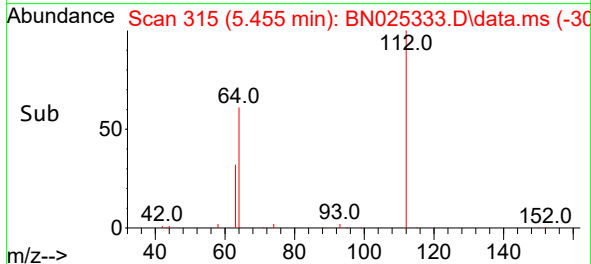
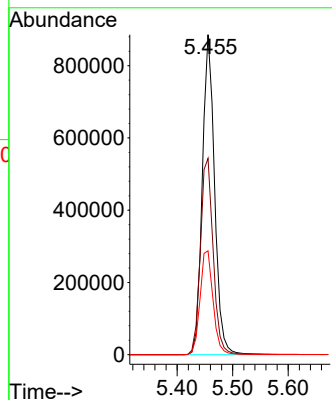
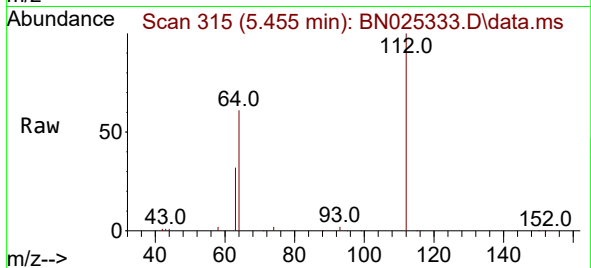




#4
2-Fluorophenol
Concen: 101.378 ng
RT: 5.455 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

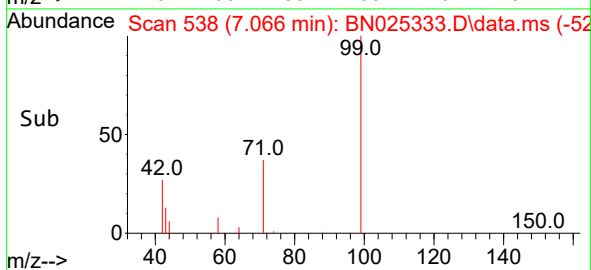
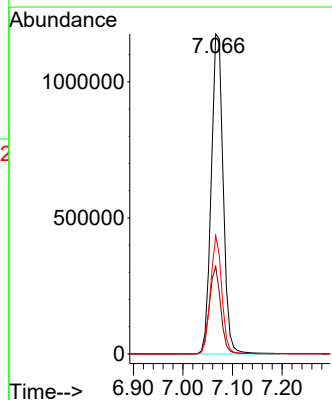
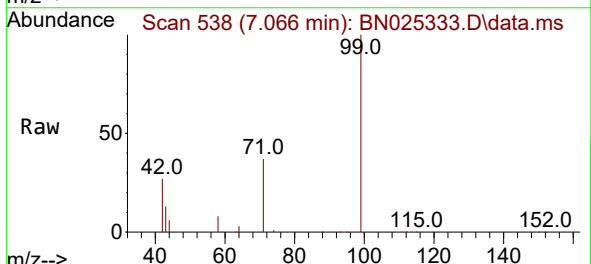
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

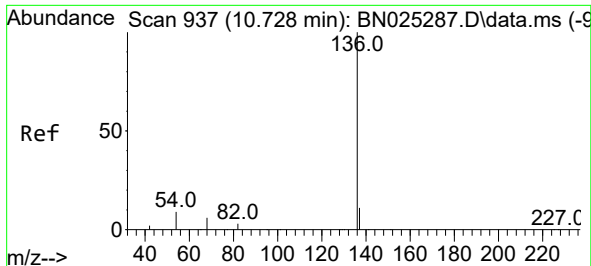
Tgt Ion:112 Resp: 1362261
Ion Ratio Lower Upper
112 100
64 64.0 51.5 77.3
63 34.4 27.8 41.6



#5
Phenol-d6
Concen: 116.801 ng
RT: 7.066 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

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

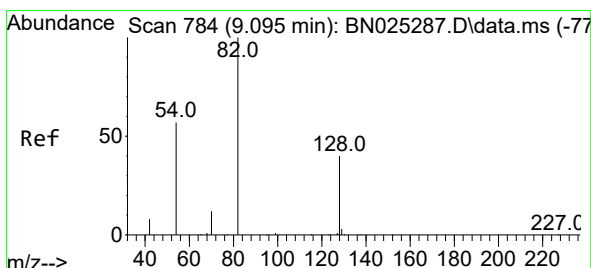
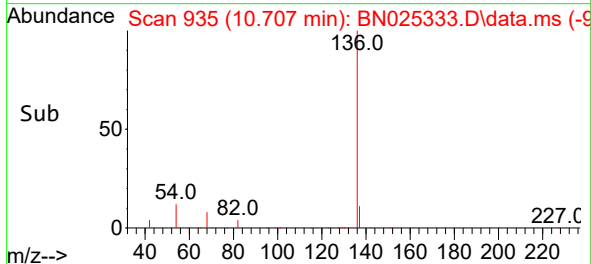
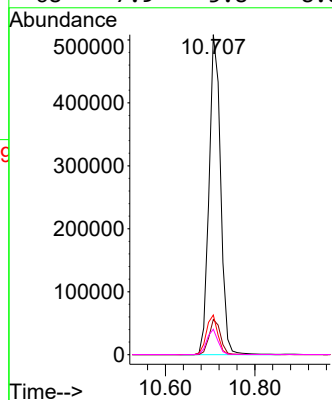
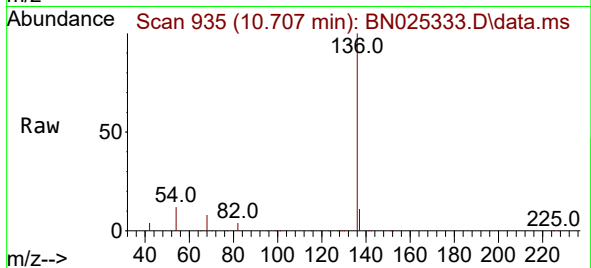




#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.707 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

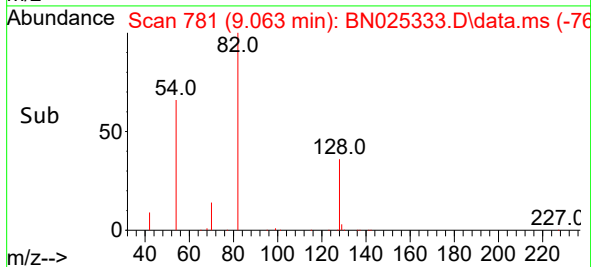
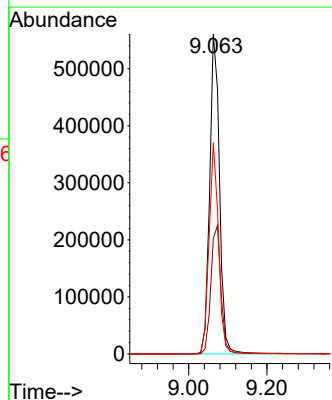
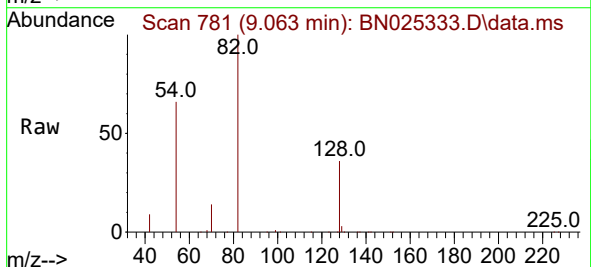
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

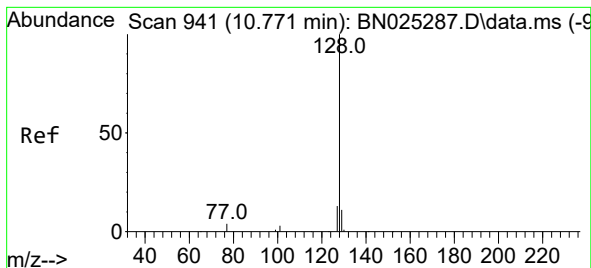
Tgt Ion:136 Resp: 905812
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 12.4 8.5 12.7
68 7.9 5.8 8.8



#8
Nitrobenzene-d5
Concen: 66.035 ng
RT: 9.063 min Scan# 781
Delta R.T. -0.021 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

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





#9

Naphthalene

Concen: 9.380 ng

RT: 10.761 min Scan# 941

Delta R.T. -0.000 min

Lab File: BN025333.D

Acq: 08 May 2023 15:20

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

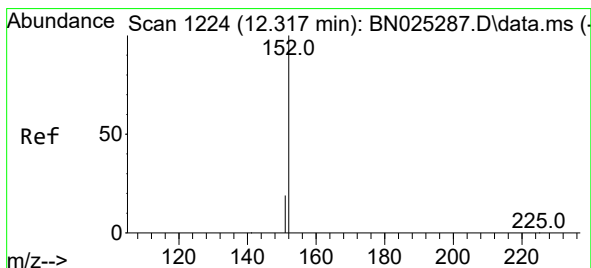
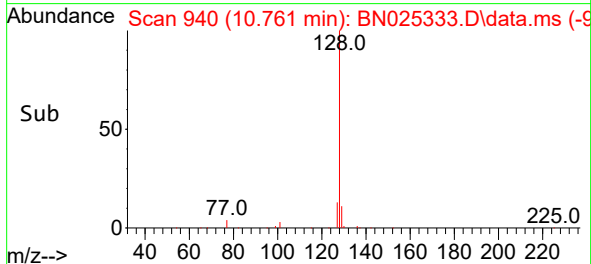
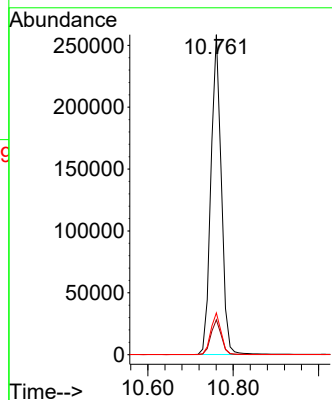
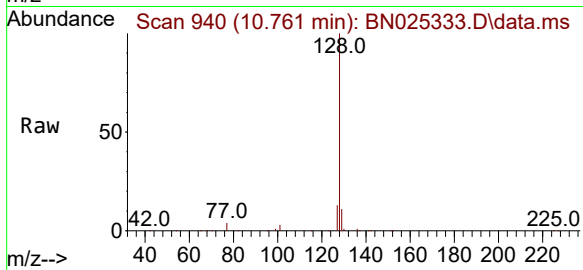
Tgt Ion:128 Resp: 435941

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# 1223

Delta R.T. 0.007 min

Lab File: BN025333.D

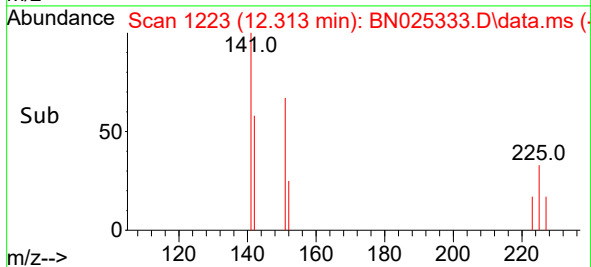
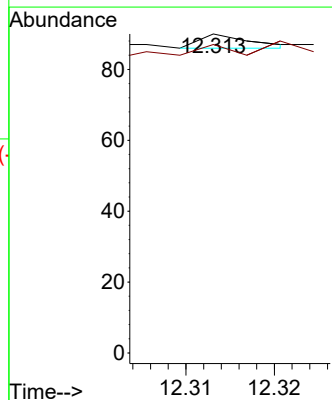
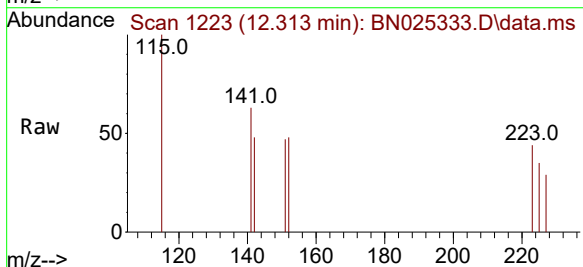
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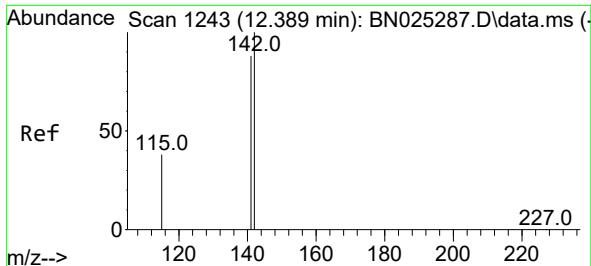
Tgt Ion:152 Resp: 2

Ion Ratio Lower Upper

152 100

151 0.0 16.4 24.6#

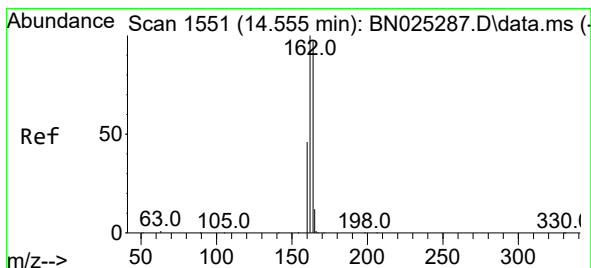
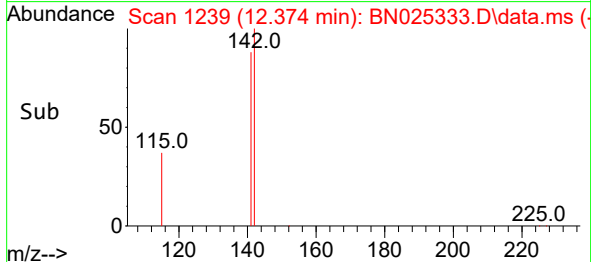
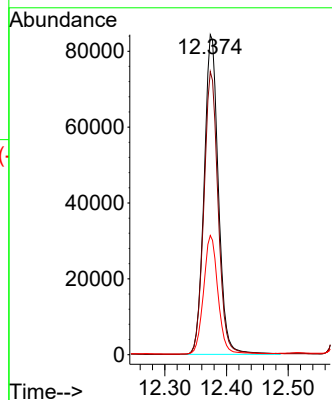
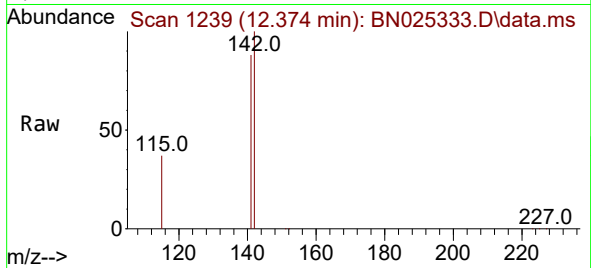




#12
2-Methylnaphthalene
Concen: 4.127 ng
RT: 12.374 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

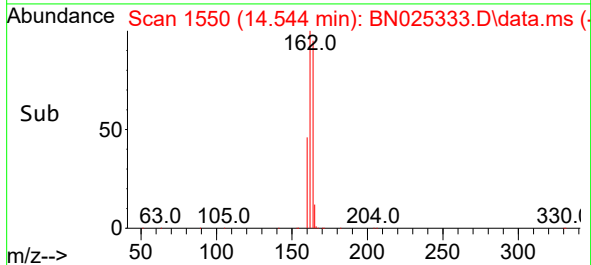
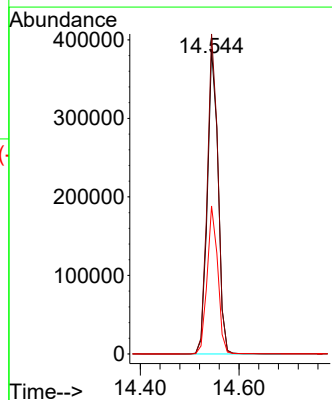
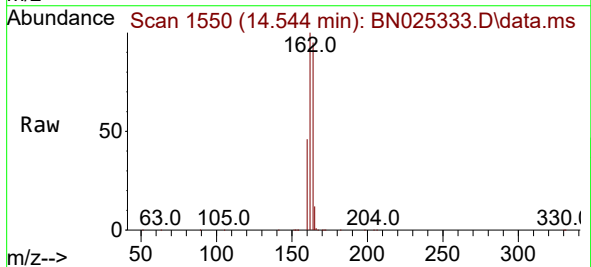
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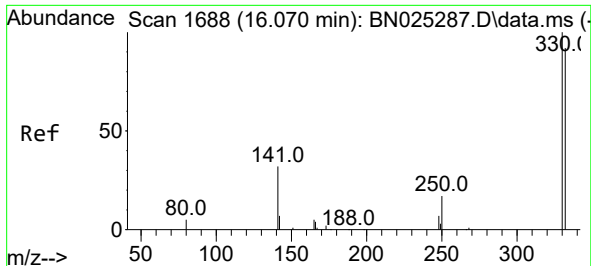
Tgt Ion:142 Resp: 135618
Ion Ratio Lower Upper
142 100
141 88.4 70.5 105.7
115 37.3 31.6 47.4



#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.544 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

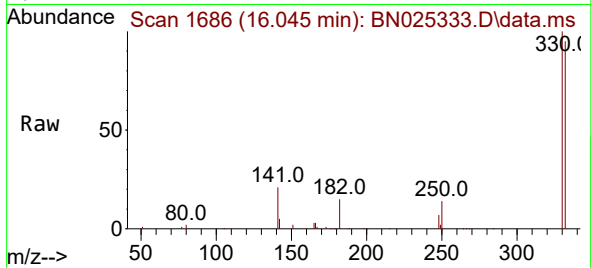
Tgt Ion:164 Resp: 585979
Ion Ratio Lower Upper
164 100
162 105.0 82.1 123.1
160 48.6 38.3 57.5



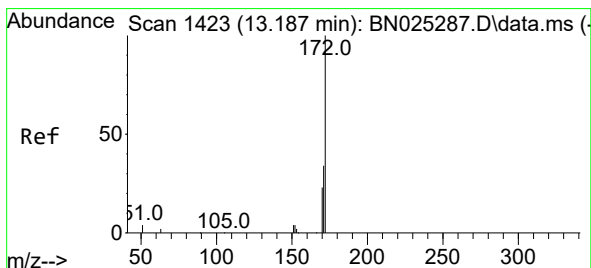
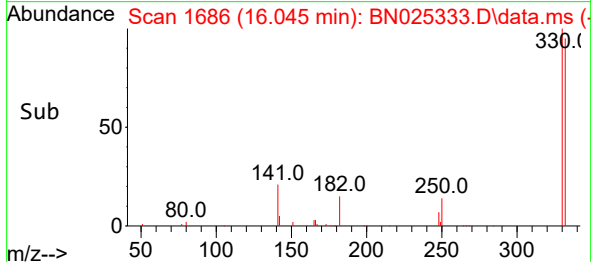
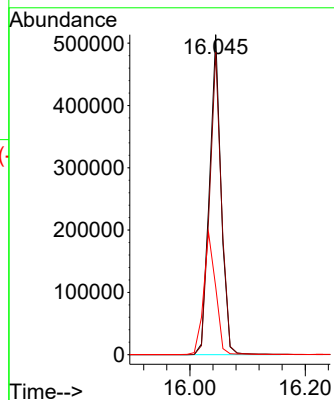


#14
2,4,6-Tribromophenol
Concen: 119.887 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.013 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

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

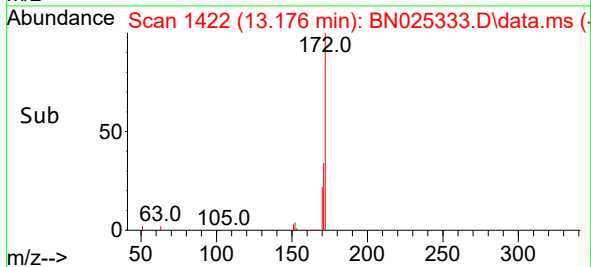
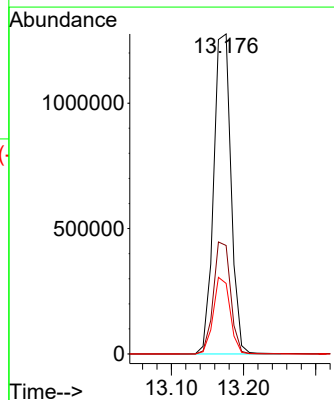
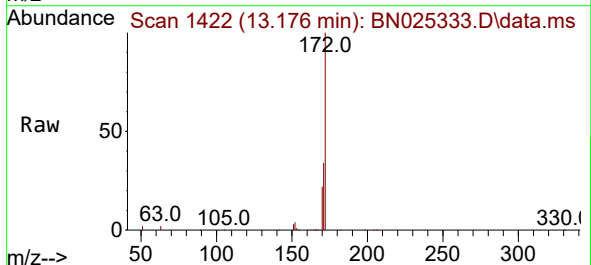


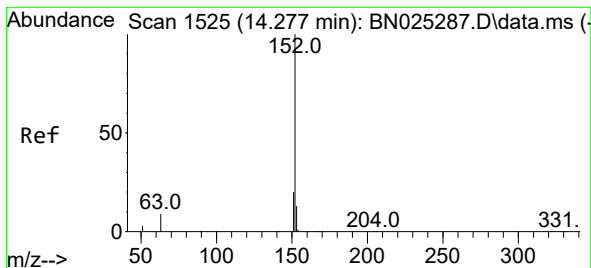
Tgt Ion:330 Resp: 718272
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 39.4 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 53.039 ng
RT: 13.176 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

Tgt Ion:172 Resp: 2131667
Ion Ratio Lower Upper
172 100
171 33.9 27.9 41.9
170 22.1 19.0 28.4





#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

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

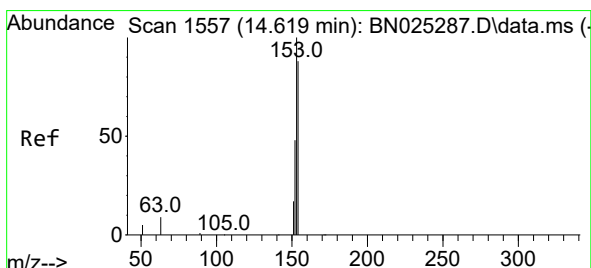
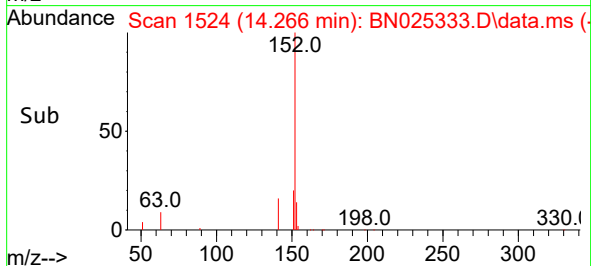
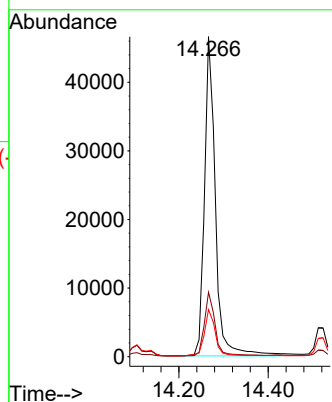
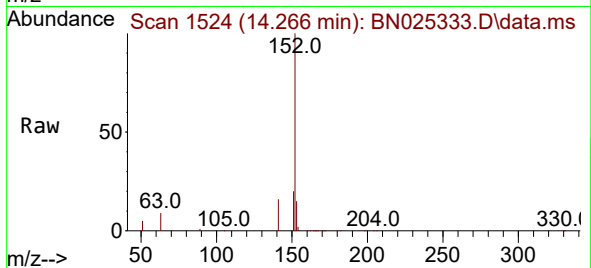
Tgt Ion:152 Resp: 78743

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# 1556

Delta R.T. -0.000 min

Lab File: BN025333.D

Acq: 08 May 2023 15:20

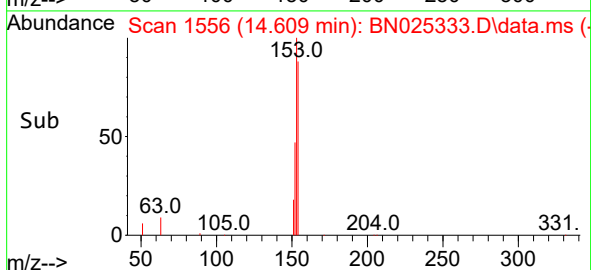
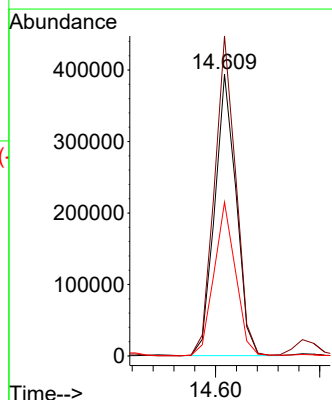
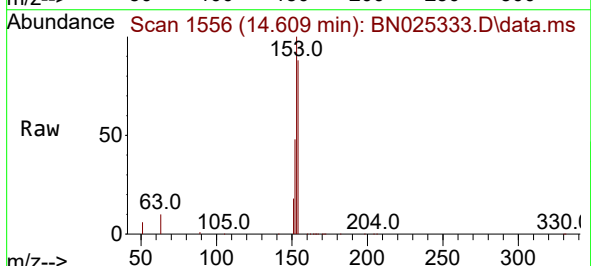
Tgt Ion:154 Resp: 565215

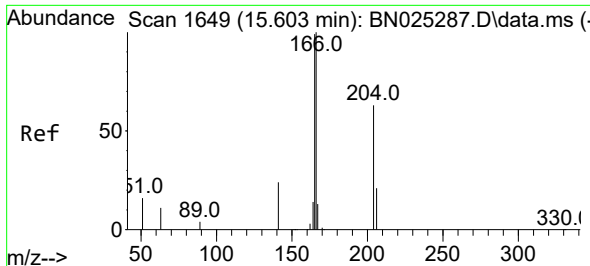
Ion Ratio Lower Upper

154 100

153 113.5 91.3 136.9

152 54.8 44.7 67.1

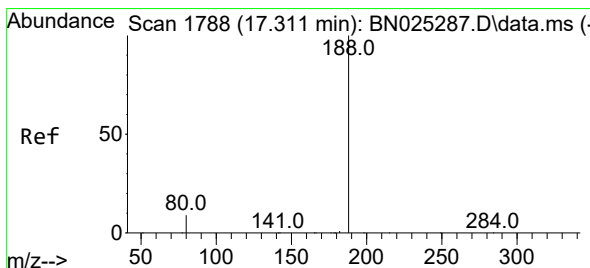
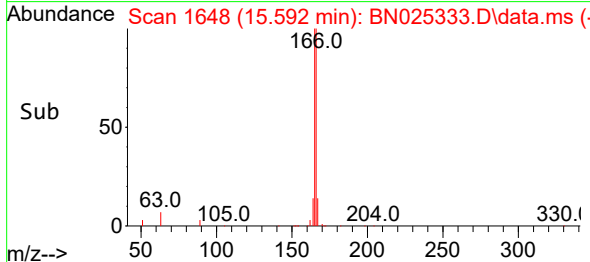
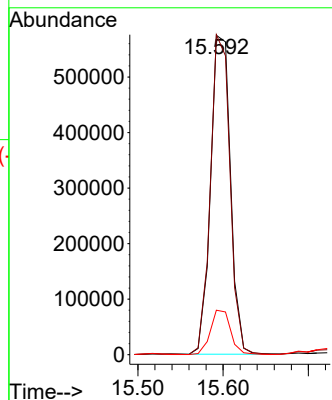
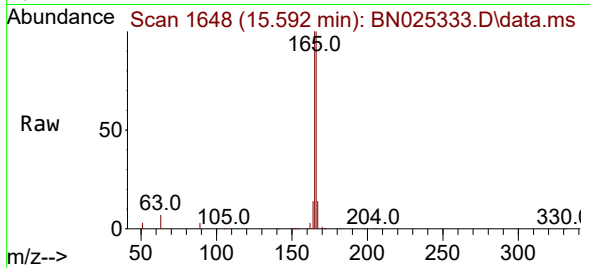




#18
Fluorene
Concen: 20.808 ng
RT: 15.592 min Scan# 1648
Delta R.T. -0.011 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

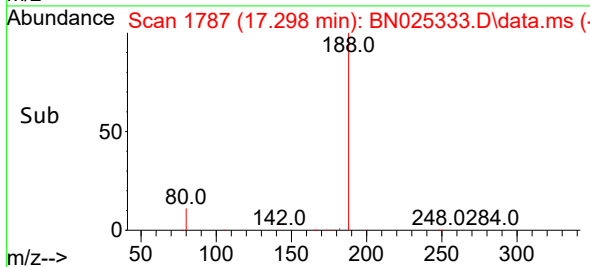
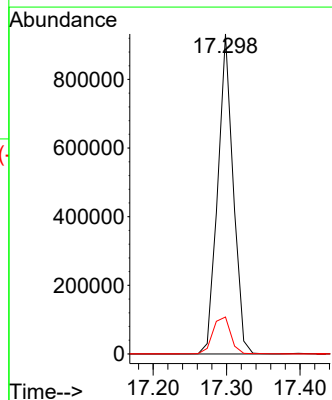
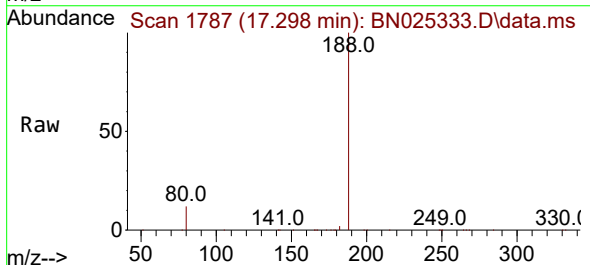
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

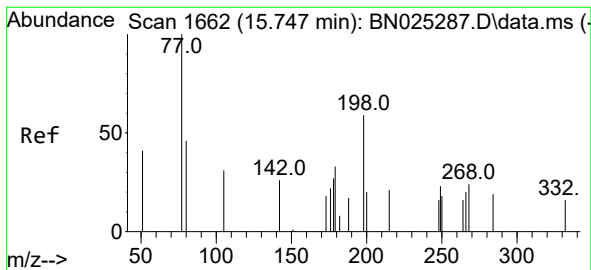
Tgt Ion:166 Resp: 930580
Ion Ratio Lower Upper
166 100
165 98.1 79.0 118.4
167 14.2 10.3 15.5



#19
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

Tgt Ion:188 Resp: 1364401
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 8.0 12.0

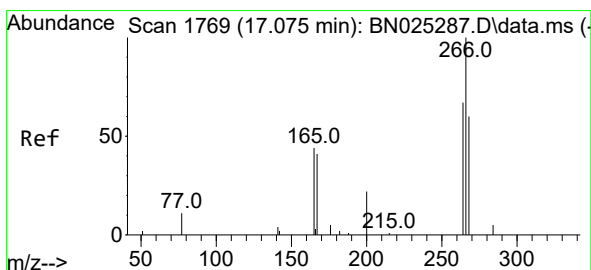
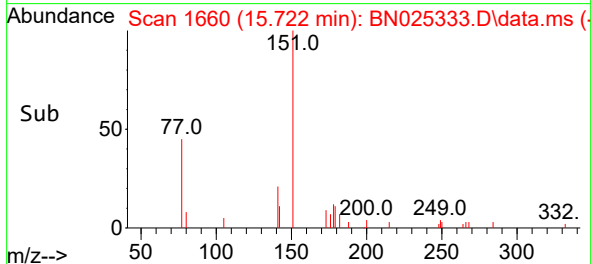
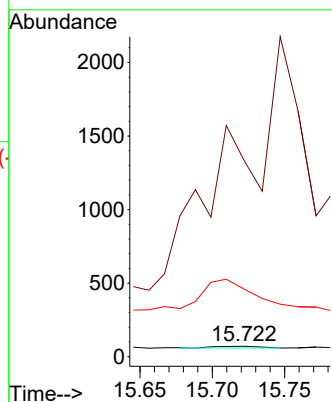
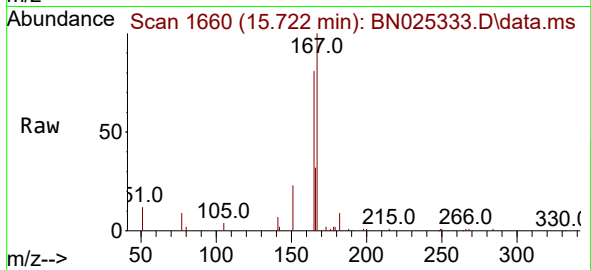




#20
4,6-Dinitro-2-methylphenol
Concen: 14.017 ng
RT: 15.722 min Scan# 1660
Delta R.T. 0.012 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

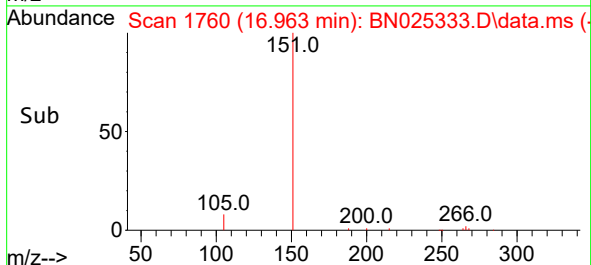
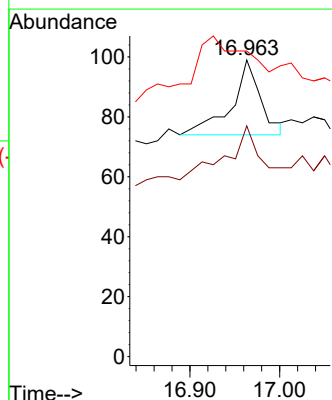
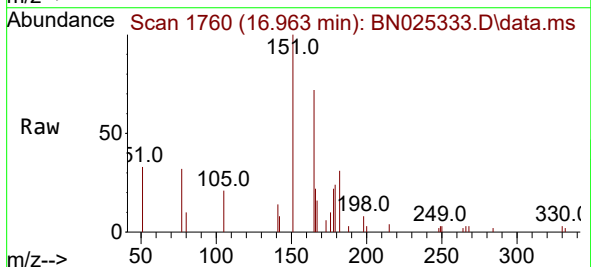
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

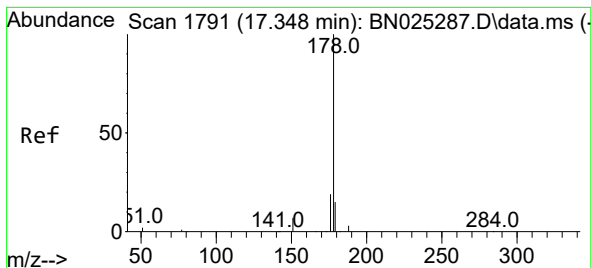
Tgt Ion:198 Resp: 26
Ion Ratio Lower Upper
198 100
51 1876.1 162.1 243.1#
105 646.5 83.1 124.7#



#24
Pentachlorophenol
Concen: 13.320 ng
RT: 16.963 min Scan# 1760
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

Tgt Ion:266 Resp: 57
Ion Ratio Lower Upper
266 100
264 82.5 43.0 64.4#
268 0.0 47.4 71.2#





#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

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

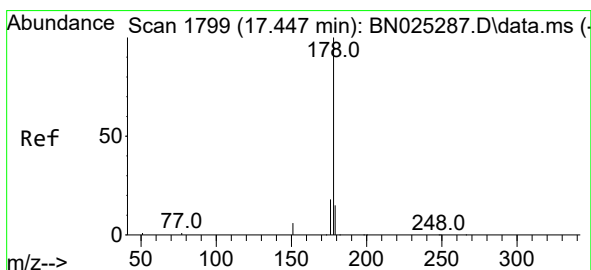
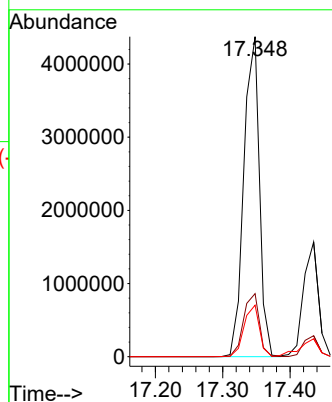
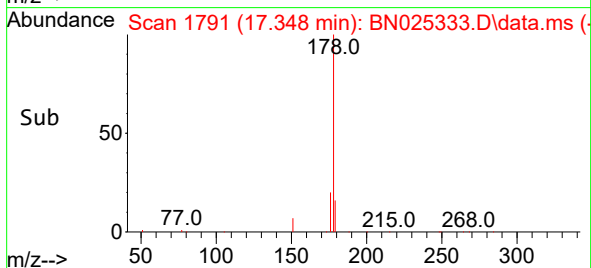
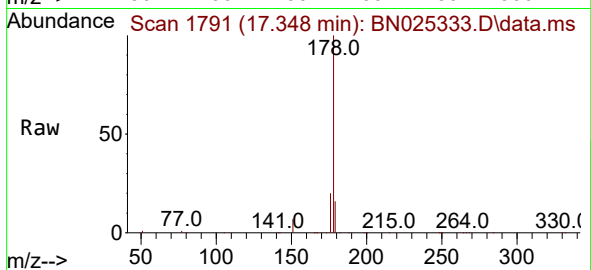
Tgt Ion:178 Resp: 7051108

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

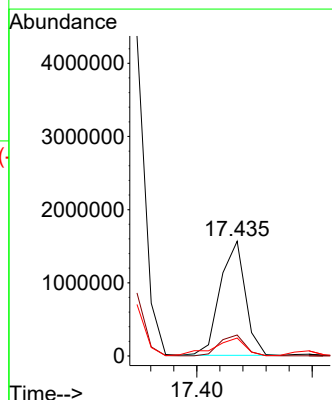
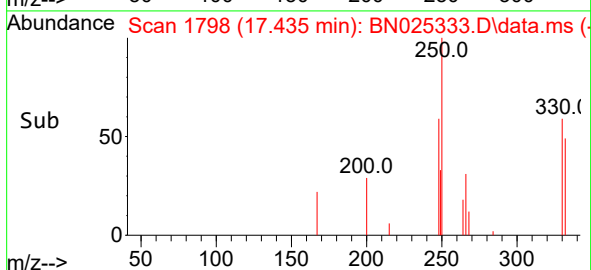
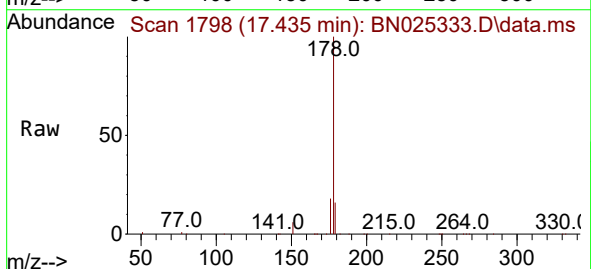
Tgt Ion:178 Resp: 2359998

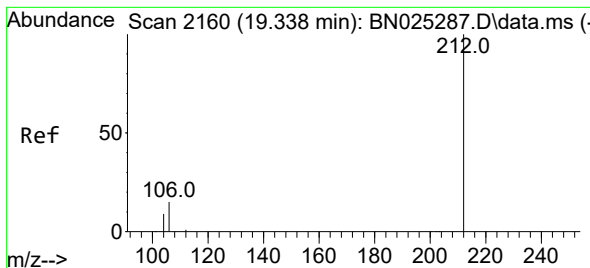
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

179 18.8 12.0 18.0#





#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

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

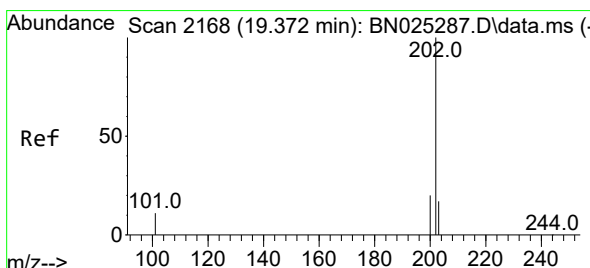
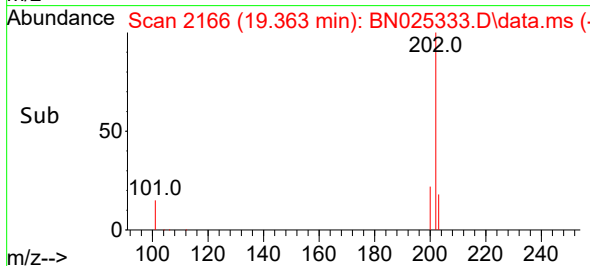
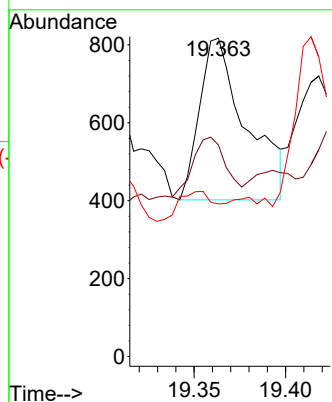
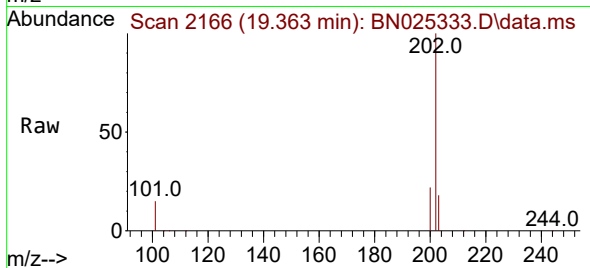
Tgt Ion:212 Resp: 733

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

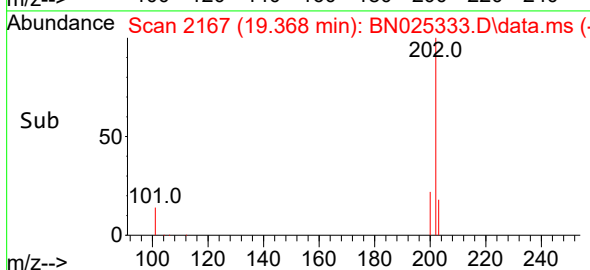
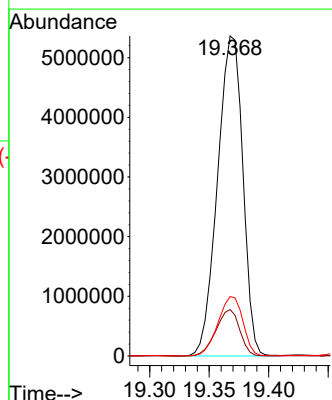
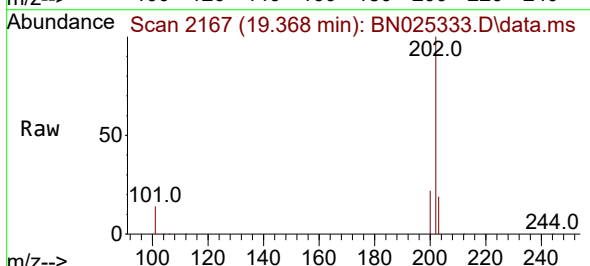
Tgt Ion:202 Resp: 7932178

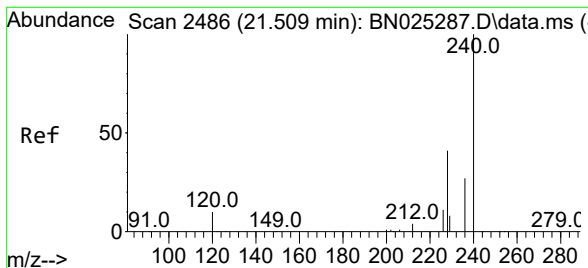
Ion Ratio Lower Upper

202 100

101 13.6 9.8 14.8

203 18.2 13.5 20.3





#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

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

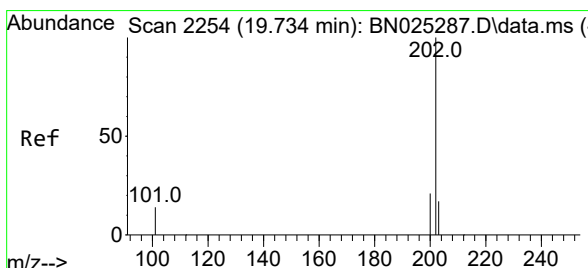
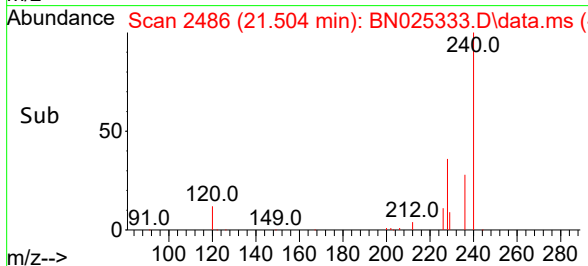
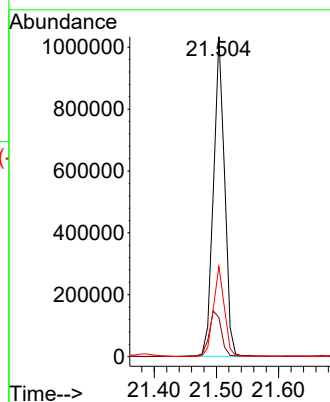
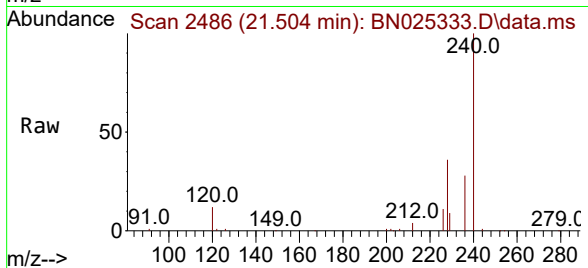
Tgt Ion:240 Resp: 1277984

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# 2254

Delta R.T. 0.004 min

Lab File: BN025333.D

Acq: 08 May 2023 15:20

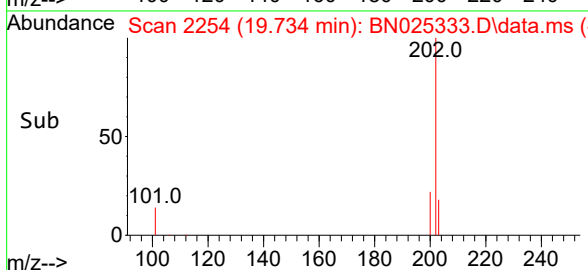
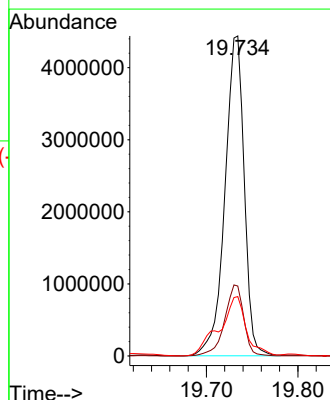
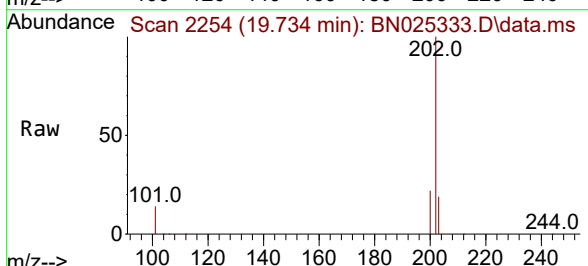
Tgt Ion:202 Resp: 6496304

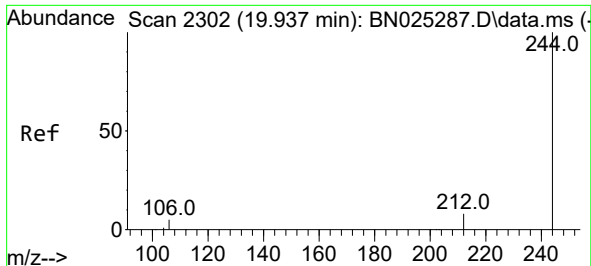
Ion Ratio Lower Upper

202 100

200 22.0 16.8 25.2

203 25.7 14.4 21.6#

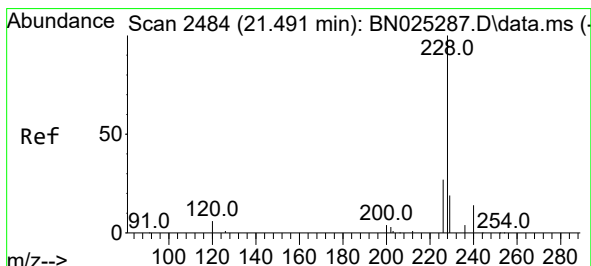
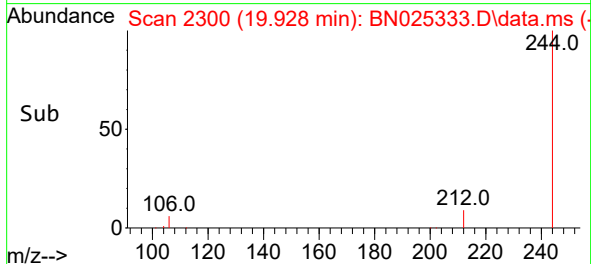
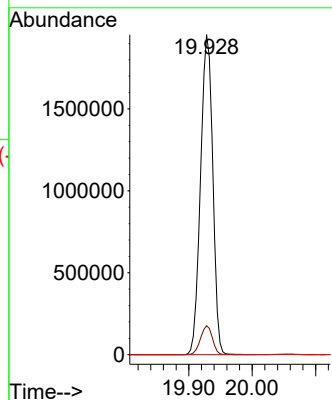
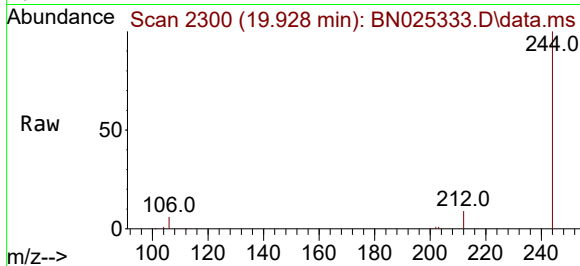




#31
Terphenyl-d14
Concen: 57.704 ng
RT: 19.928 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

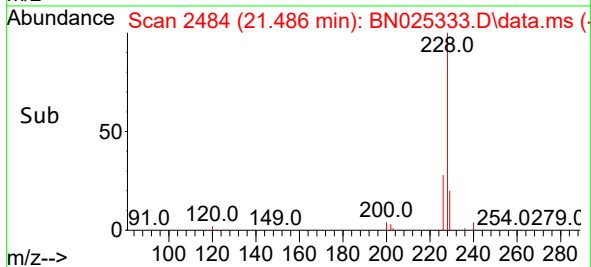
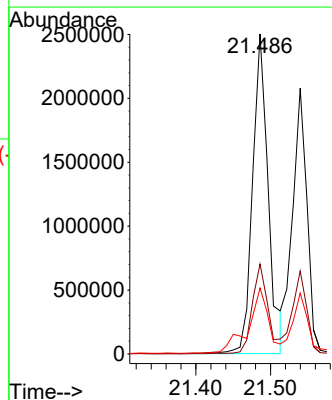
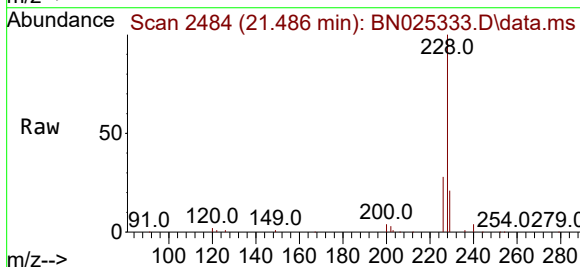
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

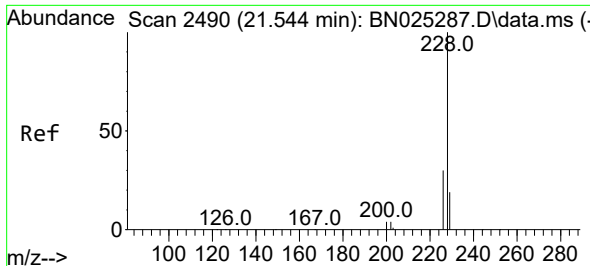
Tgt Ion:244 Resp: 2973825
Ion Ratio Lower Upper
244 100
212 9.0 7.1 10.7
122 0.0 0.0 0.0



#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

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

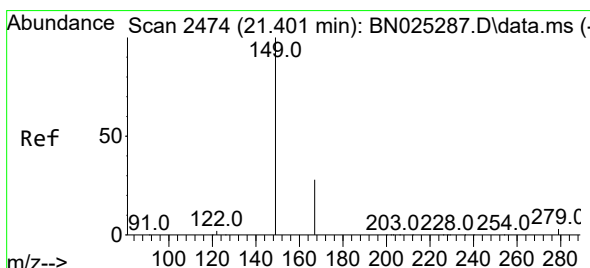
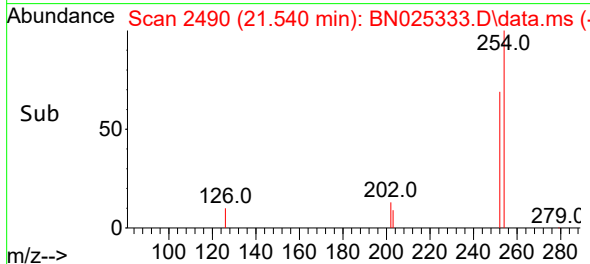
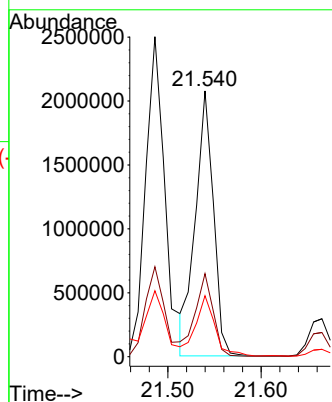
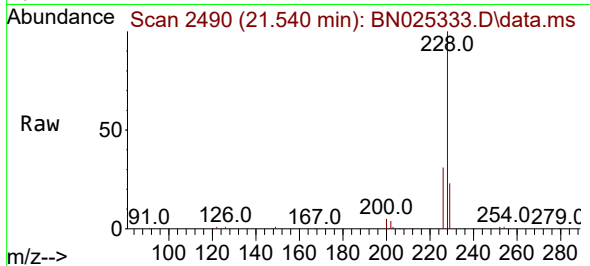




#33
Chrysene
Concen: 32.379 ng
RT: 21.540 min Scan# 2490
Delta R.T. 0.004 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

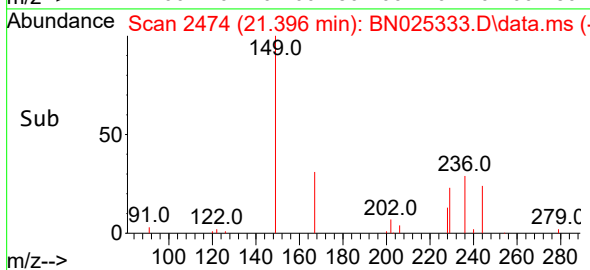
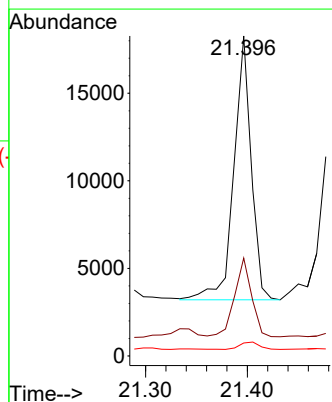
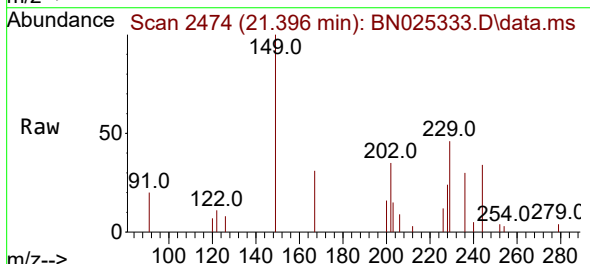
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

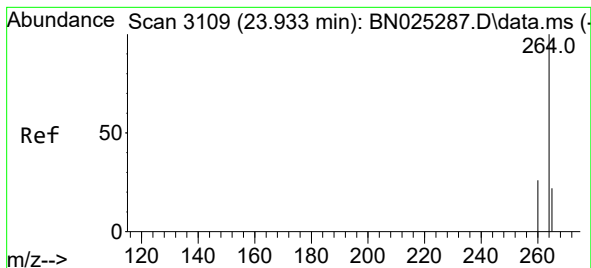
Tgt Ion:228 Resp: 2784452
Ion Ratio Lower Upper
228 100
226 31.2 24.6 36.8
229 22.9 16.2 24.4



#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

Tgt Ion:149 Resp: 17848
Ion Ratio Lower Upper
149 100
167 29.1 22.2 33.4
279 3.1 2.6 4.0





#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

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

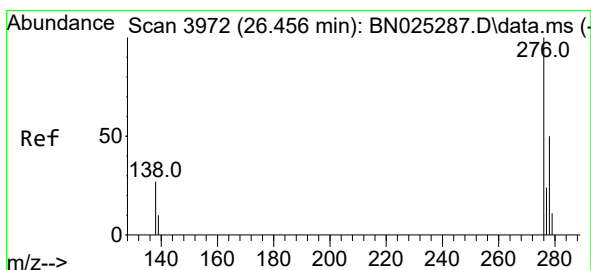
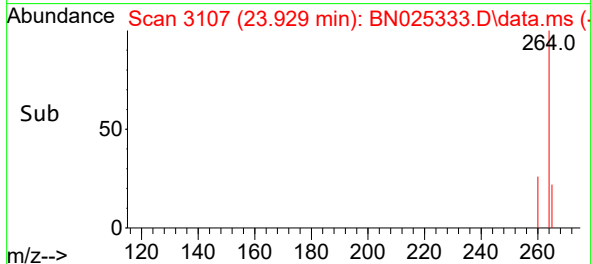
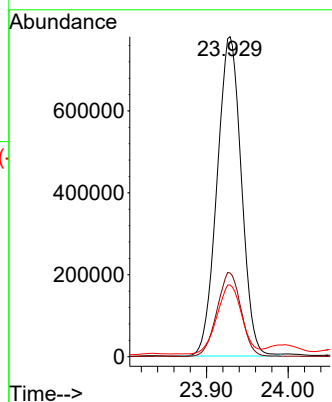
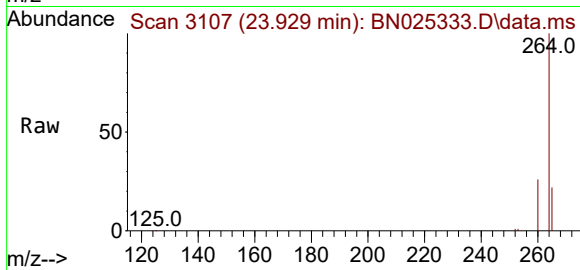
Tgt Ion:264 Resp: 1613073

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# 3968

Delta R.T. -0.002 min

Lab File: BN025333.D

Acq: 08 May 2023 15:20

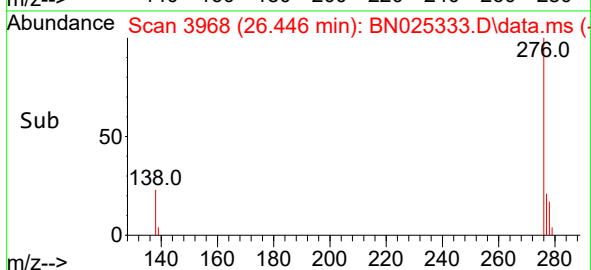
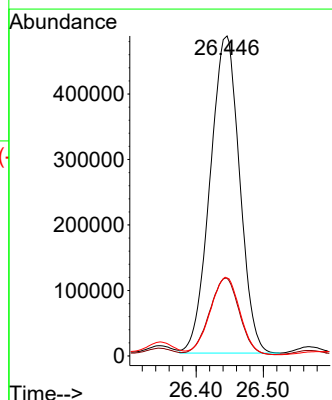
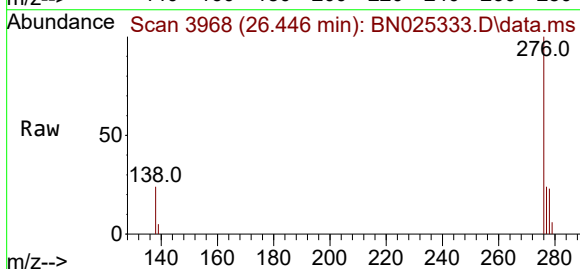
Tgt Ion:276 Resp: 1474738

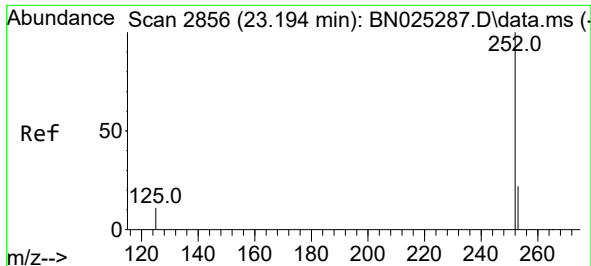
Ion Ratio Lower Upper

276 100

138 24.4 22.5 33.7

277 24.8 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 34.230 ng

RT: 23.192 min Scan# 21

Delta R.T. 0.004 min

Lab File: BN025333.D

Acq: 08 May 2023 15:20

Instrument :

BN025333.D

ClientSampleId :

PILE-B-UNK-05022023

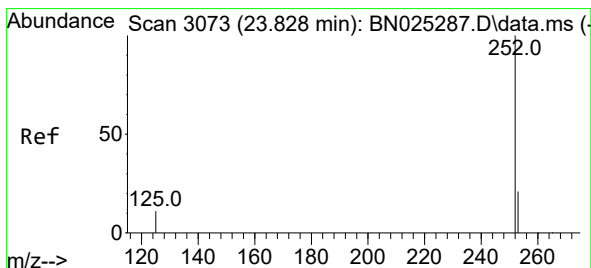
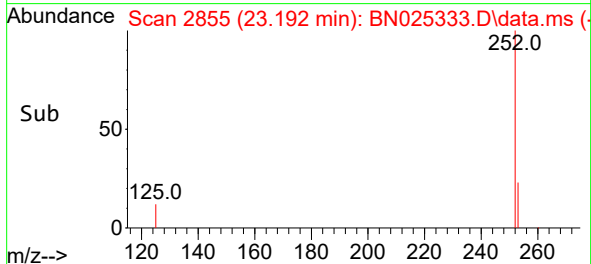
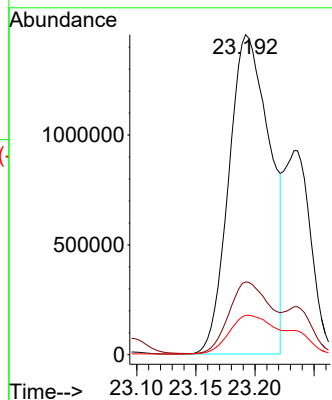
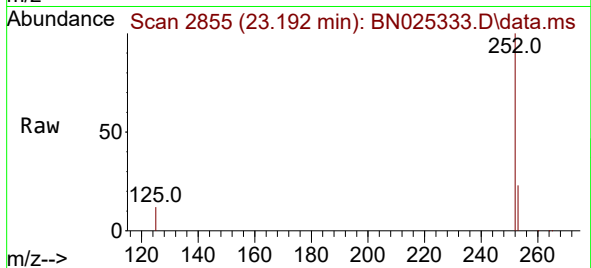
Tgt Ion:252 Resp: 3500657

Ion Ratio Lower Upper

252 100

253 22.7 20.8 31.2

125 12.3 13.4 20.2#



#39

Benzo(a)pyrene

Concen: 14.632 ng

RT: 23.715 min Scan# 3034

Delta R.T. -0.107 min

Lab File: BN025333.D

Acq: 08 May 2023 15:20

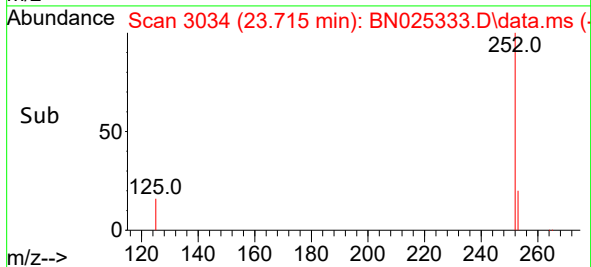
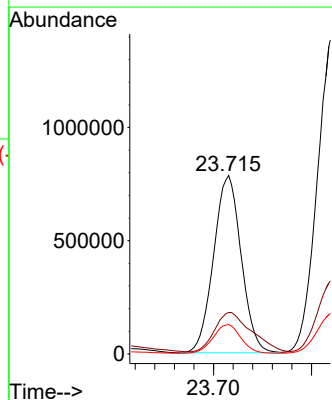
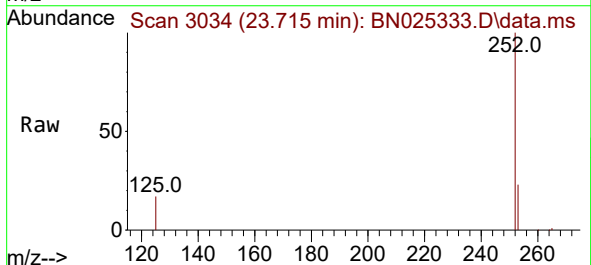
Tgt Ion:252 Resp: 1532902

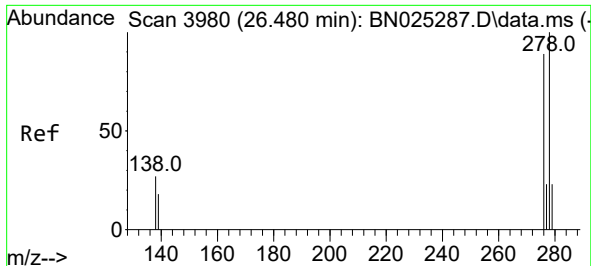
Ion Ratio Lower Upper

252 100

253 23.3 21.4 32.0

125 16.5 15.4 23.2

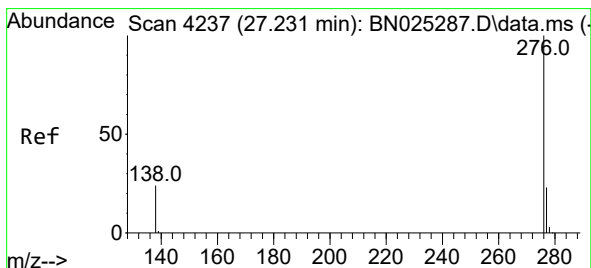
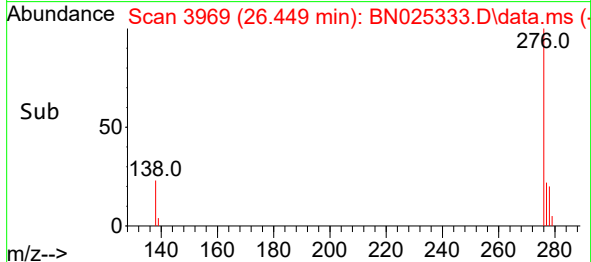
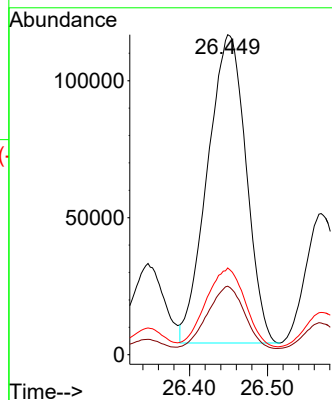
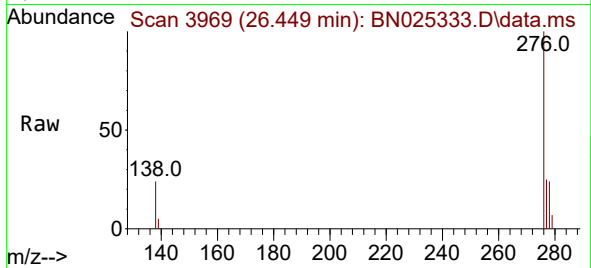




#40
Dibenzo(a,h)anthracene
Concen: 3.790 ng
RT: 26.449 min Scan# 3969
Delta R.T. -0.016 min
Lab File: BN025333.D
Acq: 08 May 2023 15:20

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



#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

