

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
 Data File : BN027773.D
 Acq On : 20 Sep 2023 21:03
 Operator : MA/JU
 Sample : 04367-01 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-1

Quant Time: Sep 21 04:23:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 20 13:45:42 2023
 Response via : Initial Calibration

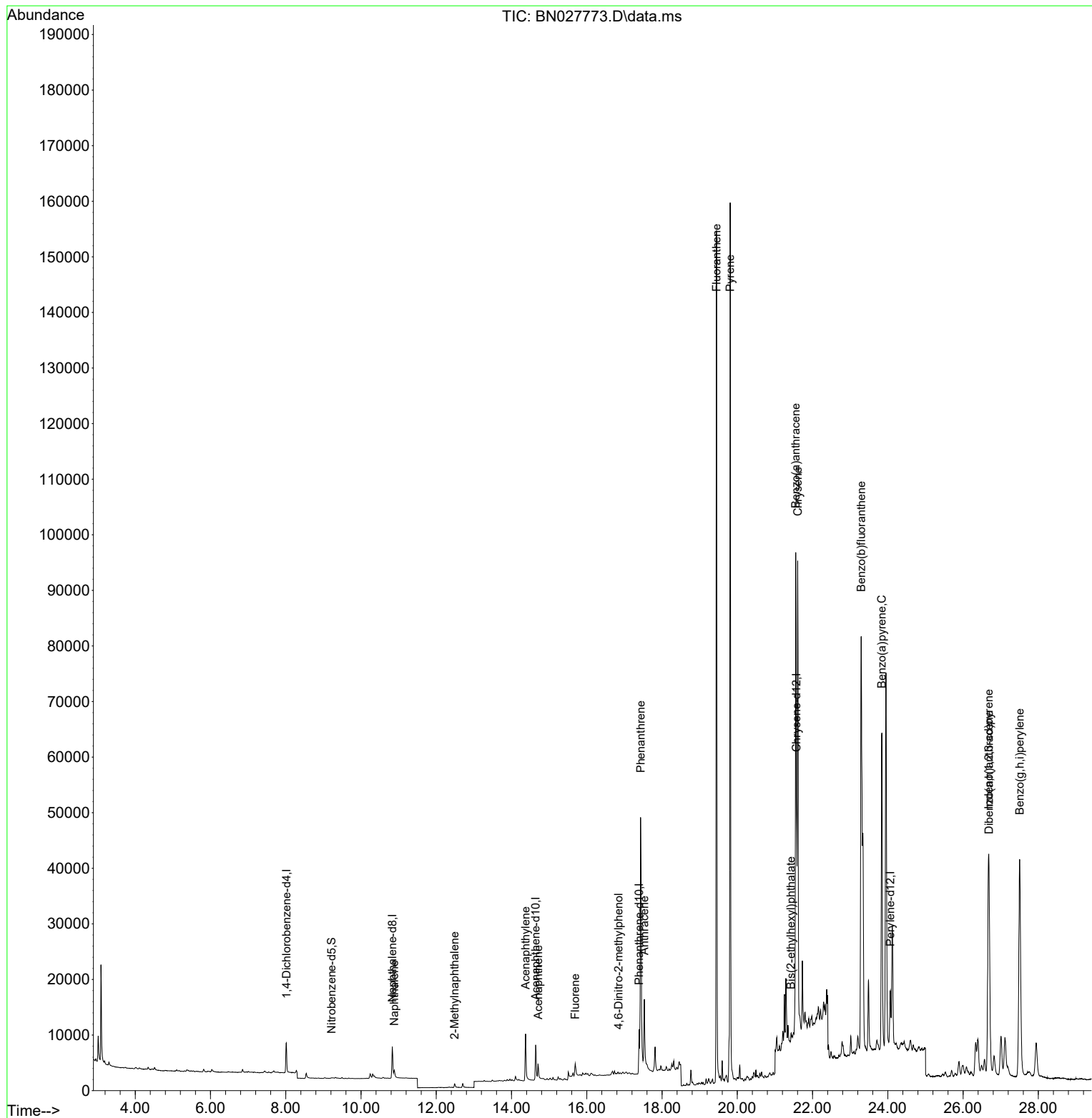
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	2927	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	8930	0.400	ng	0.00
13) Acenaphthene-d10	14.641	164	4840	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	13207	0.400	ng	0.00
29) Chrysene-d12	21.569	240	14623	0.400	ng	# 0.00
35) Perylene-d12	24.066	264	16602	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.546	112	104	0.014	ng	0.00
5) Phenol-d6	7.171	99	112	0.012	ng	0.00
8) Nitrobenzene-d5	9.219	82	174	0.025	ng	0.01
11) 2-Methylnaphthalene-d10	12.415	152	101	0.008	ng	0.00
14) 2,4,6-Tribromophenol	16.140	330	33	0.016	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	205	0.013	ng	0.00
27) Fluoranthene-d10	19.416	212	414	0.012	ng	0.00
31) Terphenyl-d14	20.002	244	558	0.020	ng	0.00
Target Compounds						
9) Naphthalene	10.885	128	1805	0.073	ng	# 86
12) 2-Methylnaphthalene	12.487	142	669	0.039	ng	# 81
16) Acenaphthylene	14.373	152	11650	0.563	ng	100
17) Acenaphthene	14.705	154	1673	0.114	ng	93
18) Fluorene	15.693	166	2687	0.126	ng	97
20) 4,6-Dinitro-2-methylph...	16.847	198	8	0.041	ng	# 53
24) Pentachlorophenol	17.033	266	89	Below Cal		93
25) Phenanthrene	17.430	178	57142	1.479	ng	100
26) Anthracene	17.530	178	18660	0.564	ng	# 96
28) Fluoranthene	19.449	202	143833	3.029	ng	100
30) Pyrene	19.811	202	144019	2.741	ng	98
32) Benzo(a)anthracene	21.551	228	83867	1.653	ng	98
33) Chrysene	21.605	228	82594	1.478	ng	97
34) Bis(2-ethylhexyl)phtha...	21.426	149	1142	0.051	ng	# 82
36) Indeno(1,2,3-cd)pyrene	26.683	276	78207	1.107	ng	94
37) Benzo(b)fluoranthene	23.291	252	140634	2.142	ng	95
39) Benzo(a)pyrene	23.841	252	84568	1.418	ng	95
40) Dibenzo(a,h)anthracene	26.691	278	16577	0.288	ng	# 82
41) Benzo(g,h,i)perylene	27.504	276	87695	1.375	ng	99

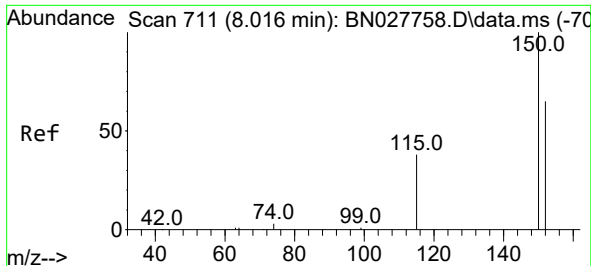
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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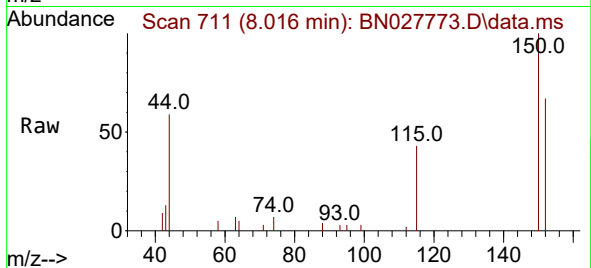
Quant Time: Sep 21 04:23:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092023.M
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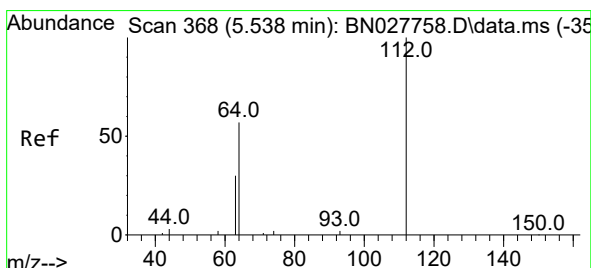
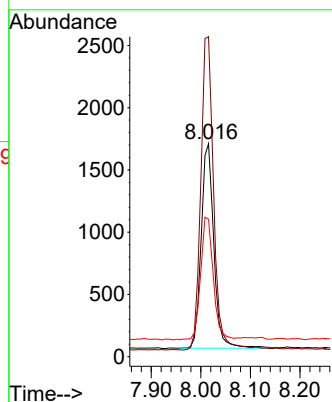
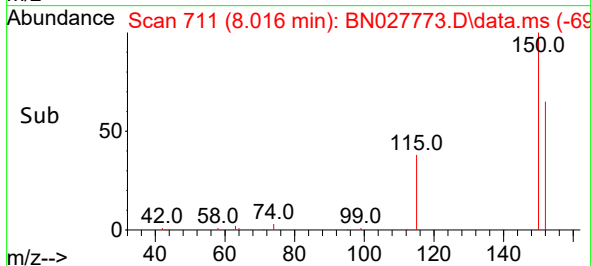


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.016 min Scan# 711
Delta R.T. -0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

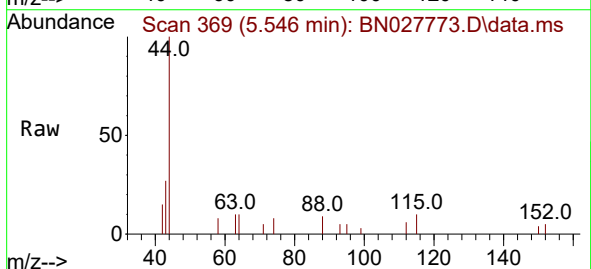
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BNA_N
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PILE-1



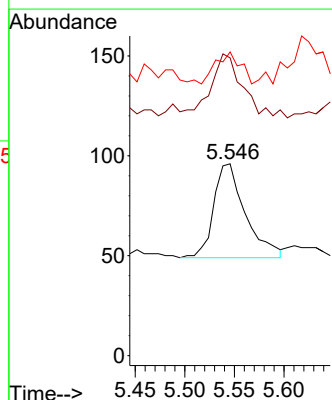
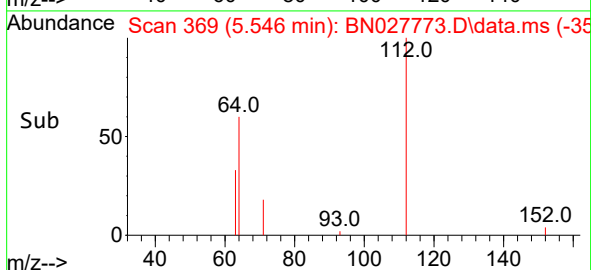
Tgt Ion:152 Resp: 2927
Ion Ratio Lower Upper
152 100
150 150.2 120.2 180.2
115 64.5 54.5 81.7

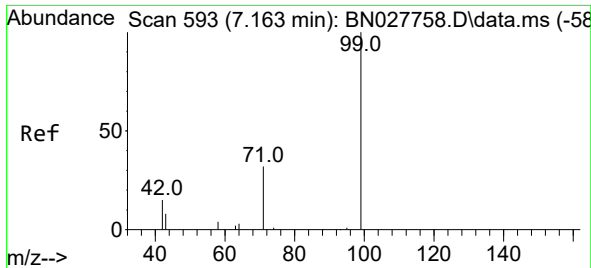


#4
2-Fluorophenol
Concen: 0.014 ng
RT: 5.546 min Scan# 369
Delta R.T. 0.007 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03



Tgt Ion:112 Resp: 104
Ion Ratio Lower Upper
112 100
64 66.3 46.1 69.1
63 24.0 24.0 36.0

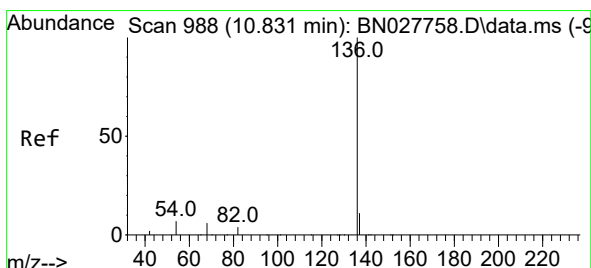
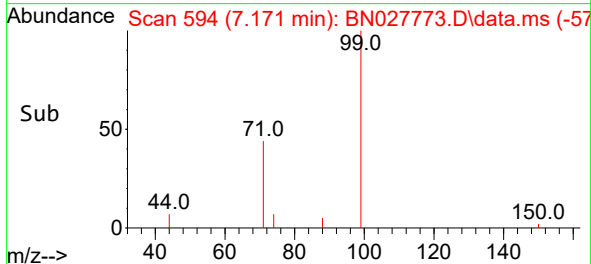
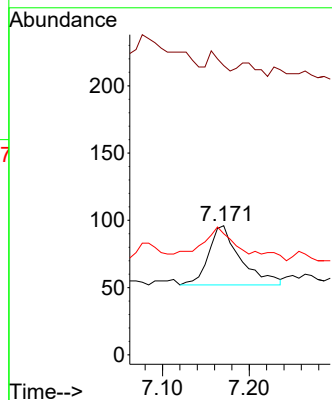
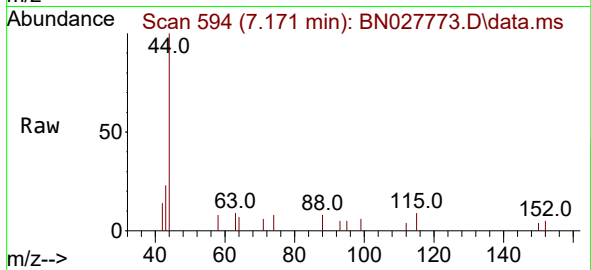




#5
Phenol-d6
Concen: 0.012 ng
RT: 7.171 min Scan# 593
Delta R.T. 0.007 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

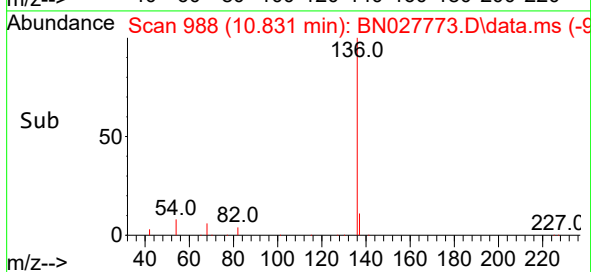
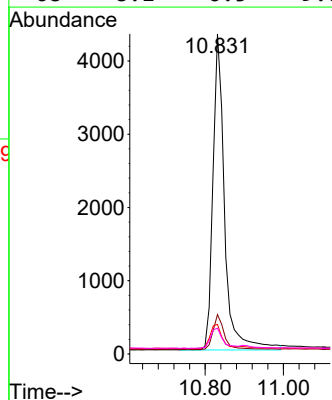
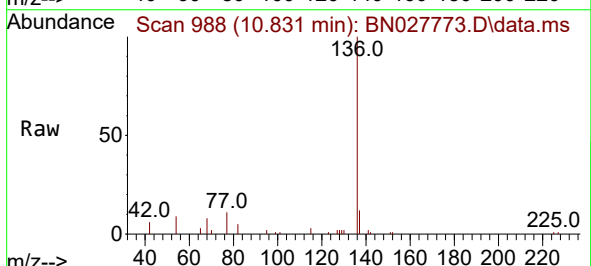
Instrument :
BNA_N
ClientSampleId :
PILE-1

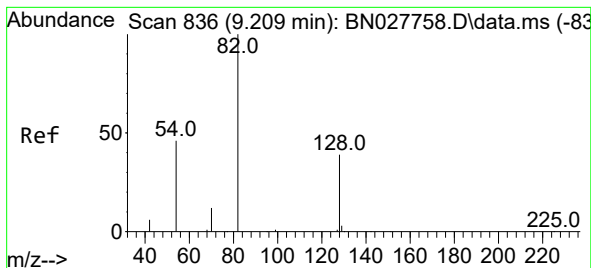
Tgt Ion: 99 Resp: 112
Ion Ratio Lower Upper
99 100
42 10.7 16.6 25.0#
71 68.8 28.1 42.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Tgt Ion: 136 Resp: 8930
Ion Ratio Lower Upper
136 100
137 12.3 10.1 15.1
54 9.2 7.4 11.0
68 8.1 6.5 9.7

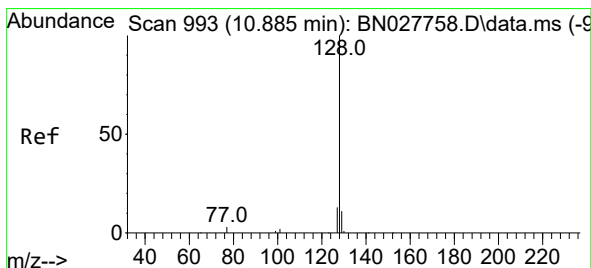
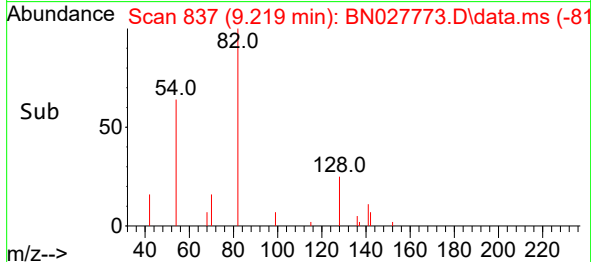
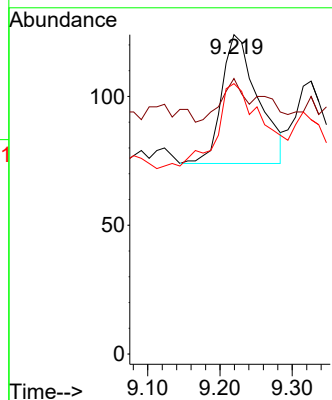
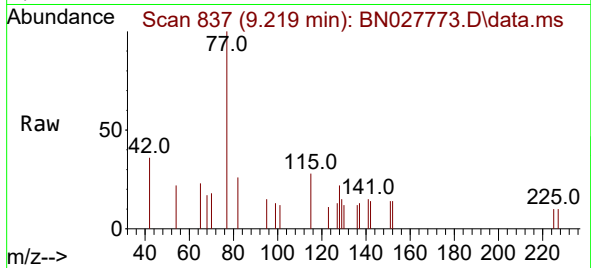




#8
Nitrobenzene-d5
Concen: 0.025 ng
RT: 9.219 min Scan# 81
Delta R.T. 0.011 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

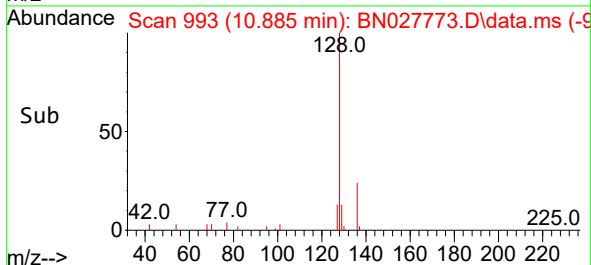
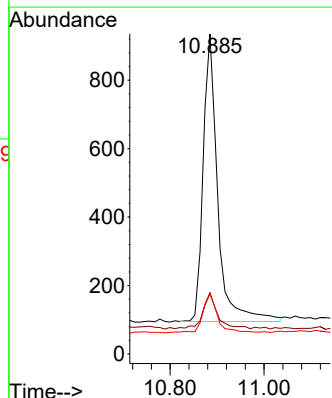
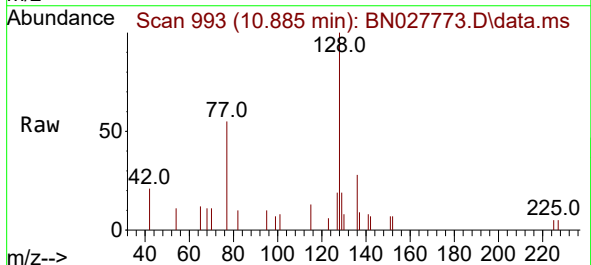
Instrument :
BNA_N
ClientSampleId :
PILE-1

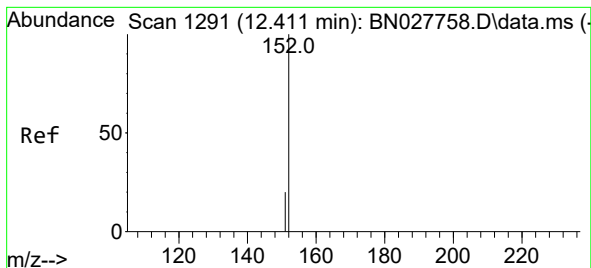
Tgt Ion: 82 Resp: 174
Ion Ratio Lower Upper
82 100
128 86.3 36.8 55.2#
54 84.7 39.9 59.9#



#9
Naphthalene
Concen: 0.073 ng
RT: 10.885 min Scan# 993
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Tgt Ion: 128 Resp: 1805
Ion Ratio Lower Upper
128 100
129 19.1 10.2 15.2#
127 18.7 11.1 16.7#

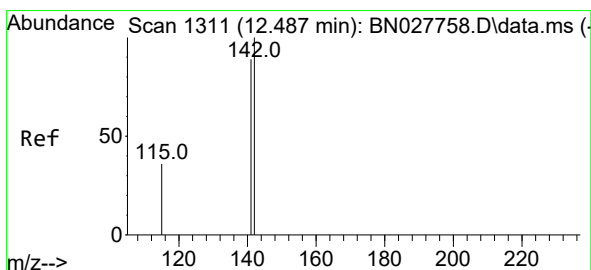
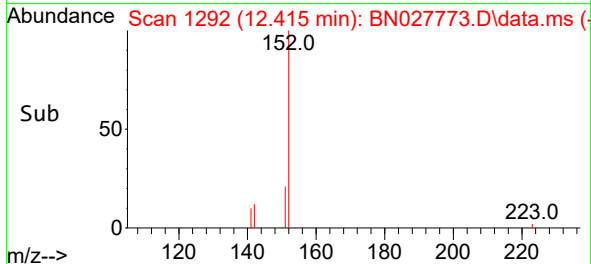
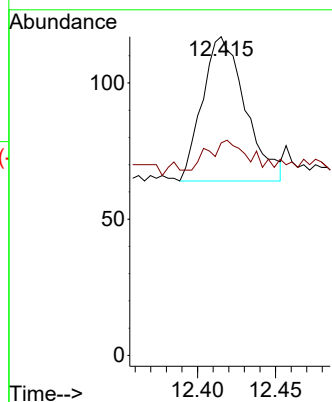
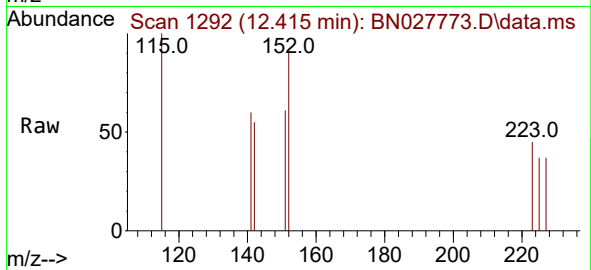




#11
2-Methylnaphthalene-d10
Concen: 0.008 ng
RT: 12.415 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

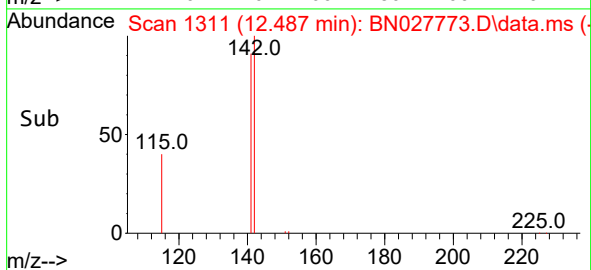
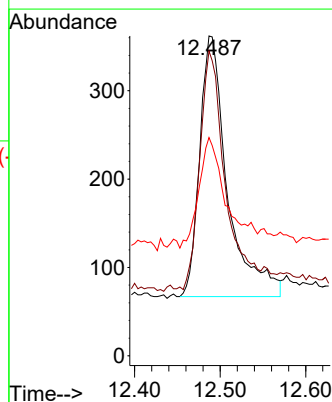
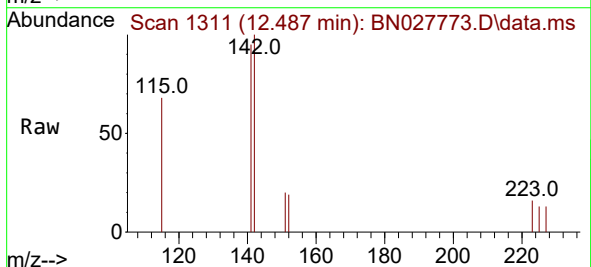
Instrument :
BNA_N
ClientSampleId :
PILE-1

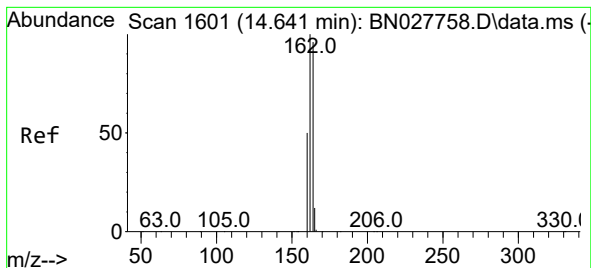
Tgt Ion:152 Resp: 101
Ion Ratio Lower Upper
152 100
151 21.8 15.6 23.4



#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.487 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Tgt Ion:142 Resp: 669
Ion Ratio Lower Upper
142 100
141 95.3 71.5 107.3
115 68.2 31.8 47.6#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.641 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

Instrument :

BNA_N

ClientSampleId :

PILE-1

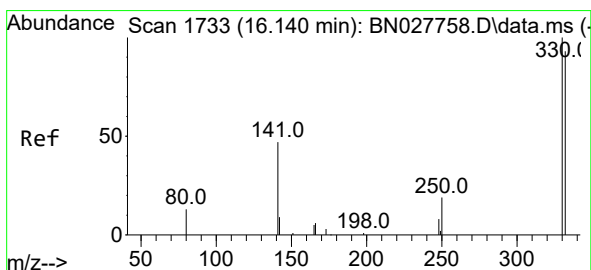
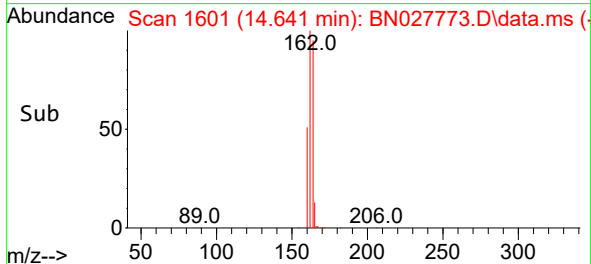
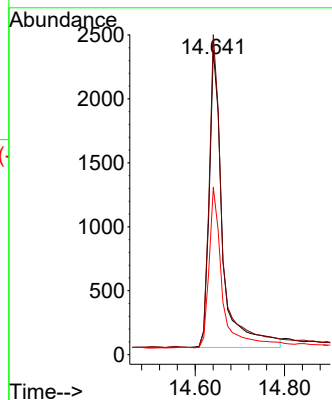
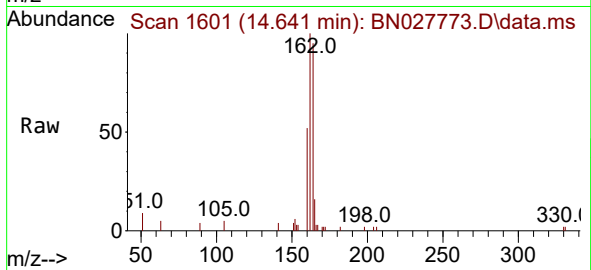
Tgt Ion:164 Resp: 4840

Ion Ratio Lower Upper

164 100

162 105.0 83.6 125.4

160 54.9 42.6 64.0



#14

2,4,6-Tribromophenol

Concen: 0.016 ng

RT: 16.140 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

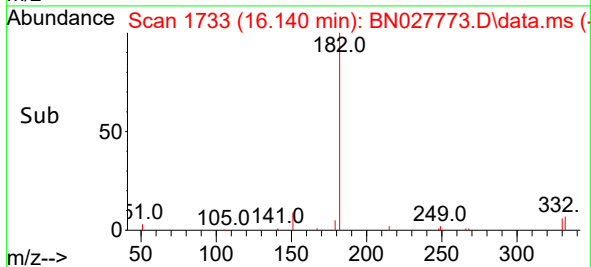
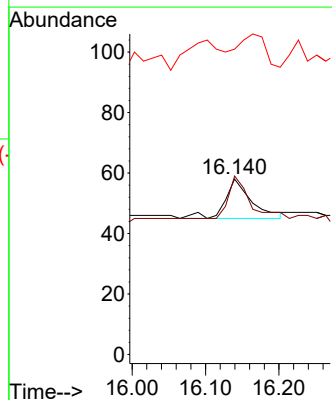
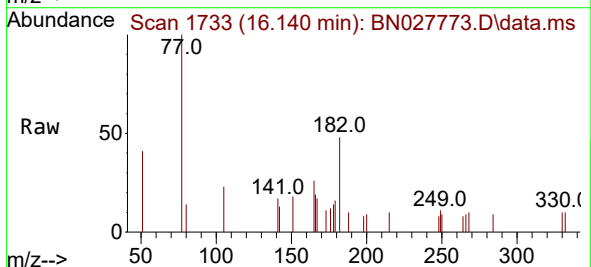
Tgt Ion:330 Resp: 33

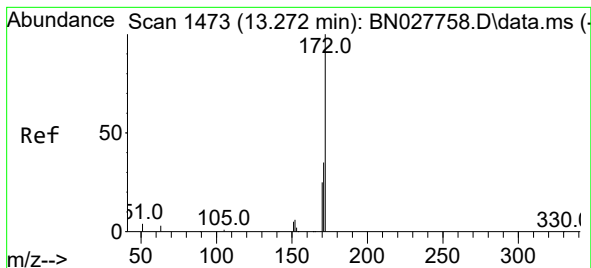
Ion Ratio Lower Upper

330 100

332 84.8 77.0 115.4

141 0.0 38.1 57.1#

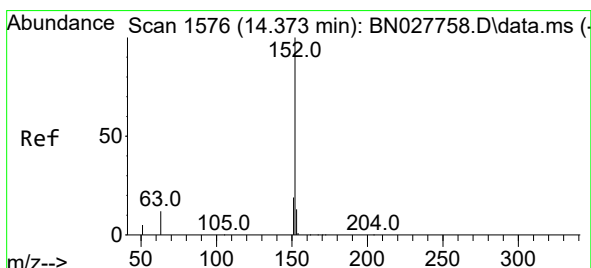
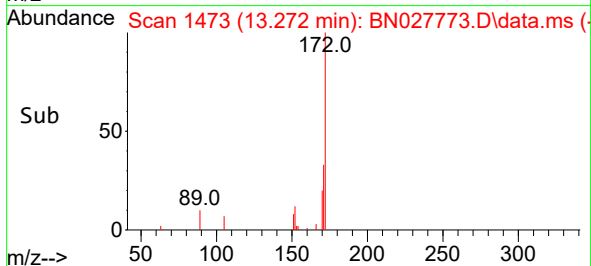
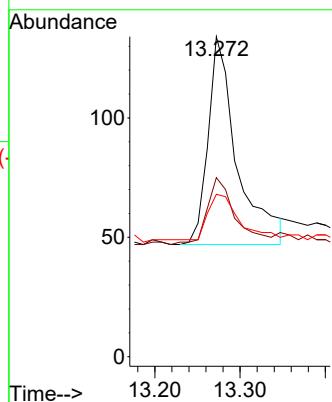
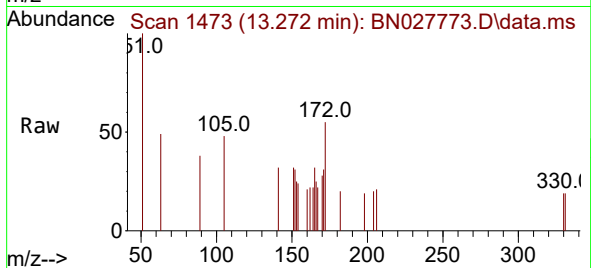




#15
2-Fluorobiphenyl
Concen: 0.013 ng
RT: 13.272 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

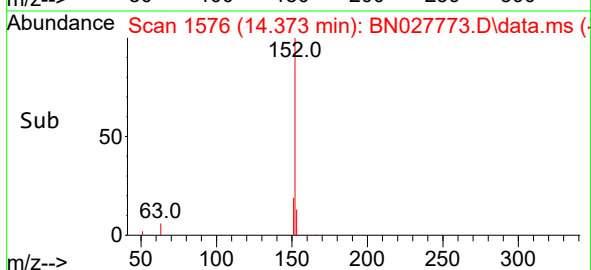
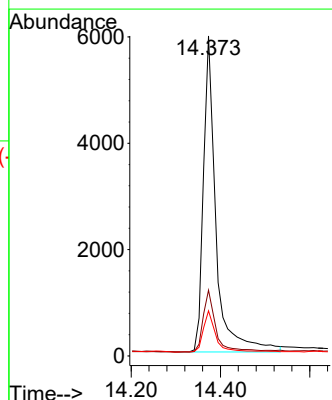
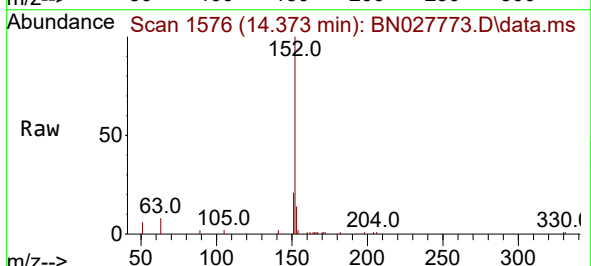
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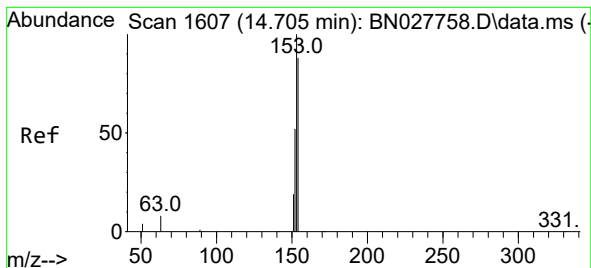
Tgt Ion:172 Resp: 205
Ion Ratio Lower Upper
172 100
171 56.0 29.3 43.9#
170 50.7 20.8 31.2#



#16
Acenaphthylene
Concen: 0.563 ng
RT: 14.373 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Tgt Ion:152 Resp: 11650
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.2
153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.114 ng

RT: 14.705 min Scan# 1607

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

Instrument :

BNA_N

ClientSampleId :

PILE-1

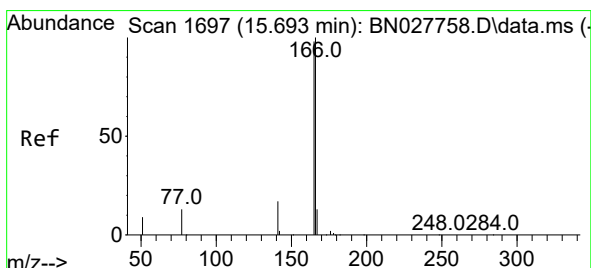
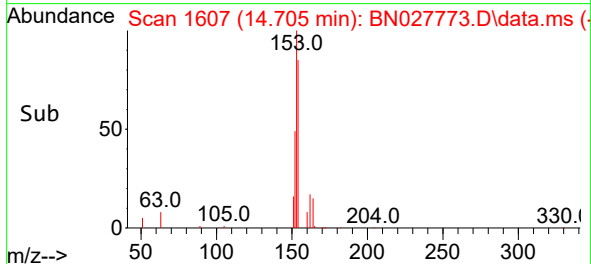
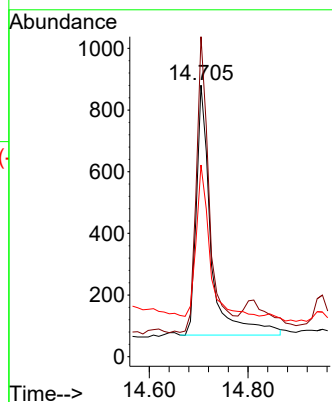
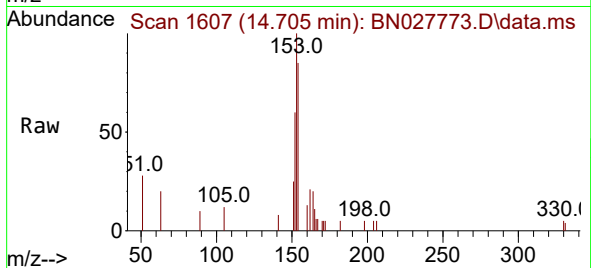
Tgt Ion:154 Resp: 1673

Ion Ratio Lower Upper

154 100

153 106.5 91.0 136.6

152 54.0 47.4 71.2



#18

Fluorene

Concen: 0.126 ng

RT: 15.693 min Scan# 1697

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

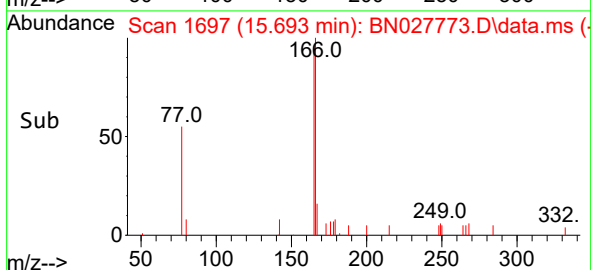
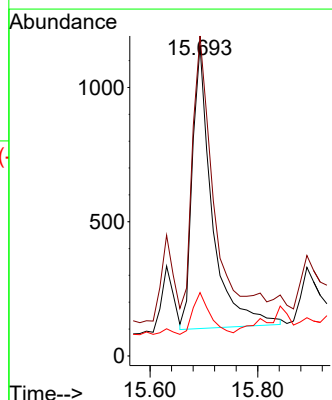
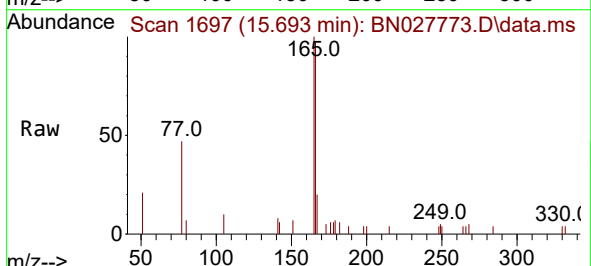
Tgt Ion:166 Resp: 2687

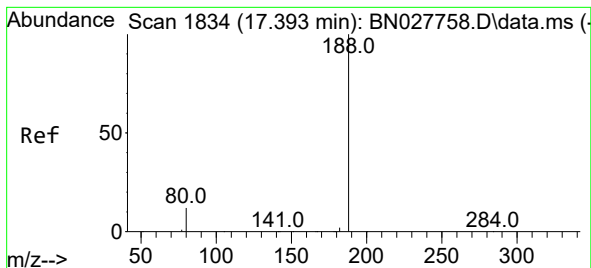
Ion Ratio Lower Upper

166 100

165 95.4 79.3 118.9

167 13.1 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.393 min Scan# 1834

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

Instrument :

BNA_N

ClientSampleId :

PILE-1

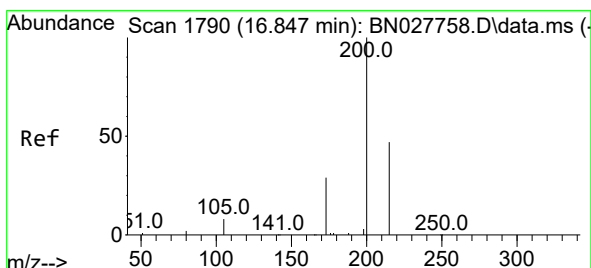
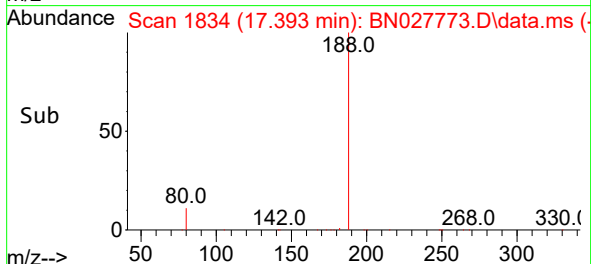
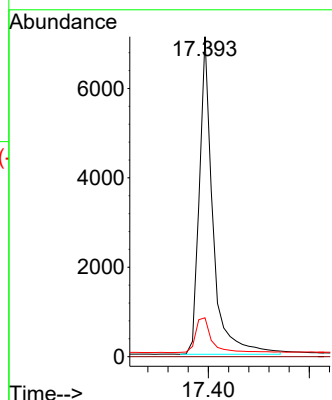
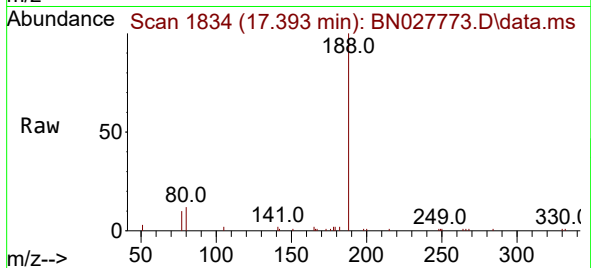
Tgt Ion:188 Resp: 13207

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 10.6 16.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.041 ng

RT: 16.847 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

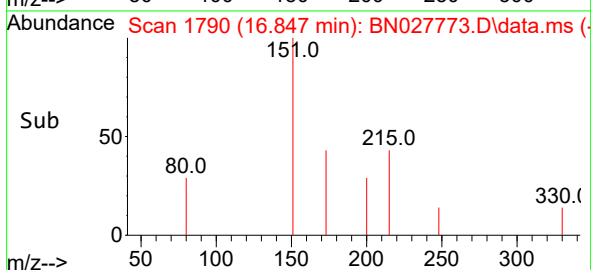
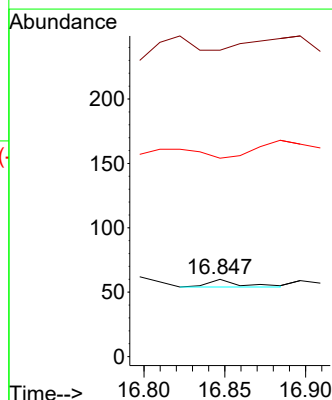
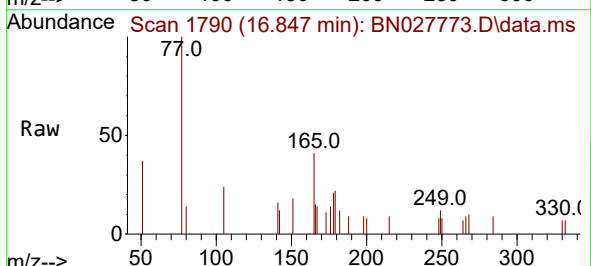
Tgt Ion:198 Resp: 8

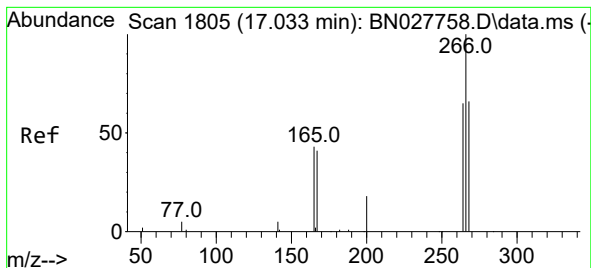
Ion Ratio Lower Upper

198 100

51 396.7 225.2 337.8#

105 256.7 168.9 253.3#





#24

Pentachlorophenol

Concen: Below Cal

RT: 17.033 min Scan# 1805

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

Instrument :

BNA_N

ClientSampleId :

PILE-1

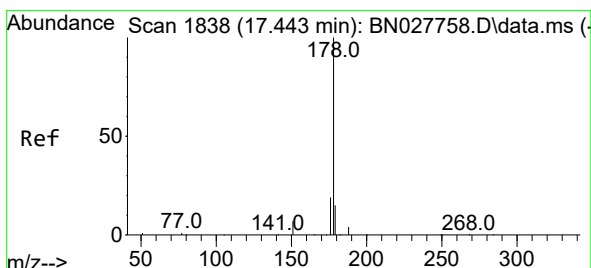
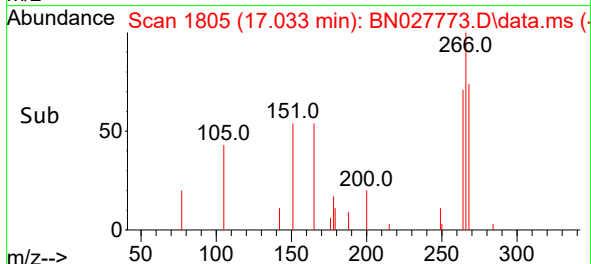
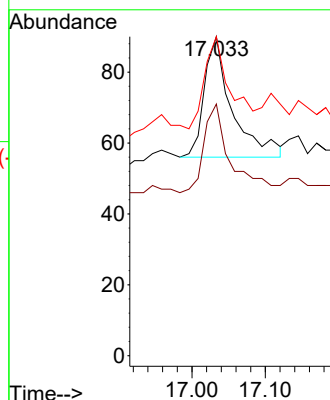
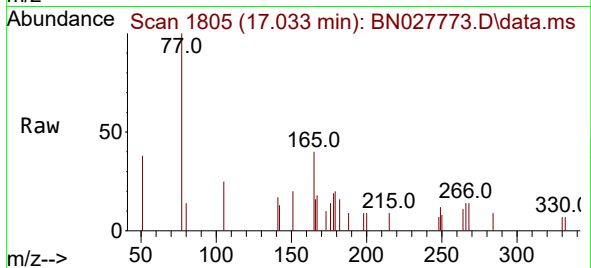
Tgt Ion:266 Resp: 89

Ion Ratio Lower Upper

266 100

264 69.7 50.8 76.2

268 70.8 53.0 79.6



#25

Phenanthrene

Concen: 1.479 ng

RT: 17.430 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

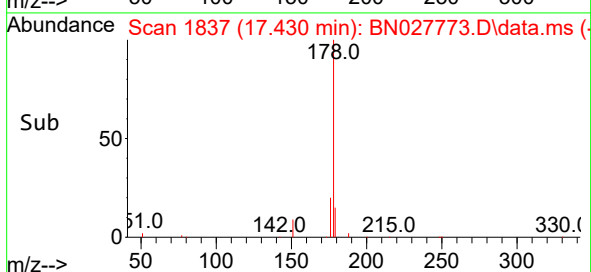
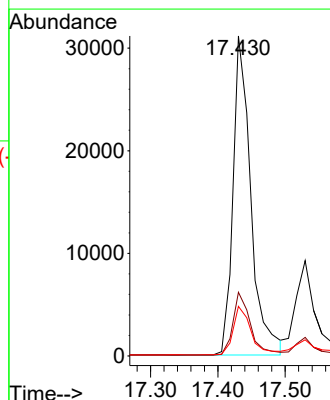
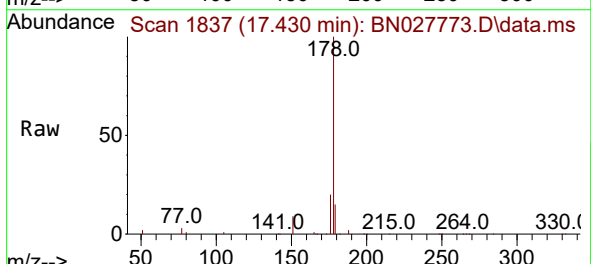
Tgt Ion:178 Resp: 57142

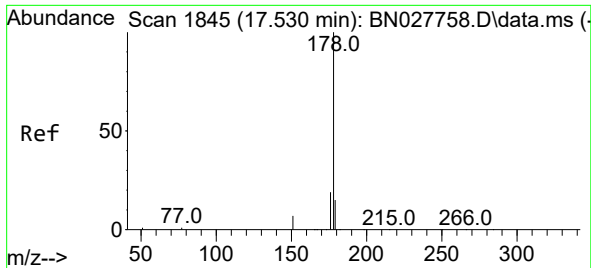
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.4 12.3 18.5

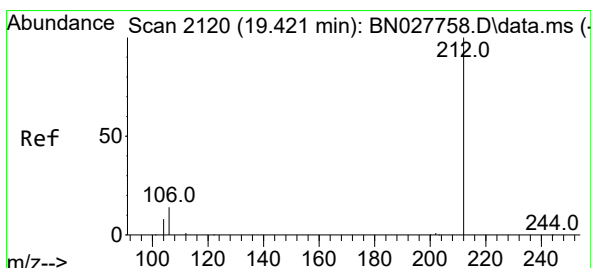
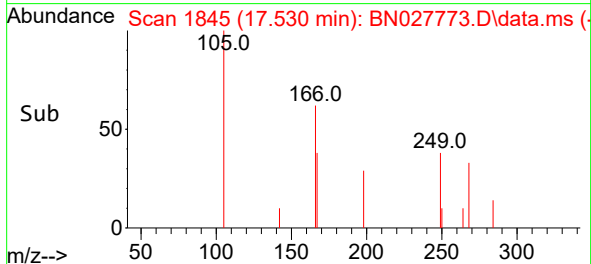
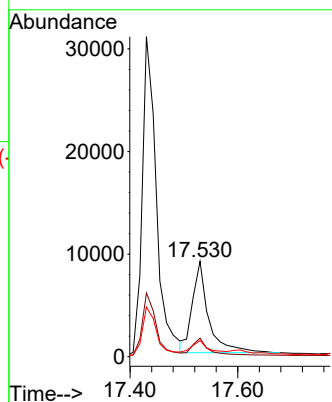
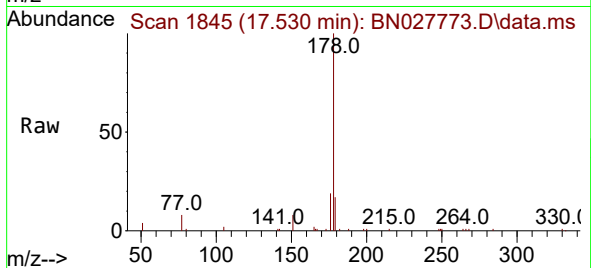




#26
 Anthracene
 Concen: 0.564 ng
 RT: 17.530 min Scan# 1119
 Delta R.T. 0.000 min
 Lab File: BN027773.D
 Acq: 20 Sep 2023 21:03

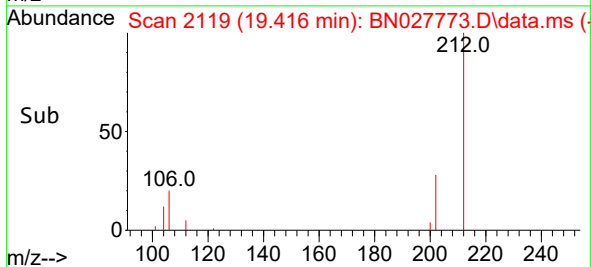
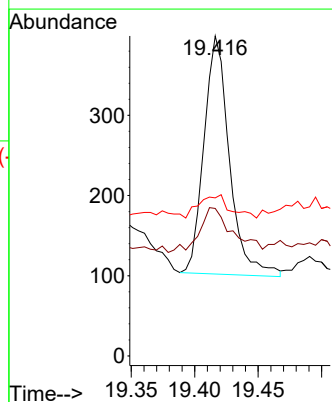
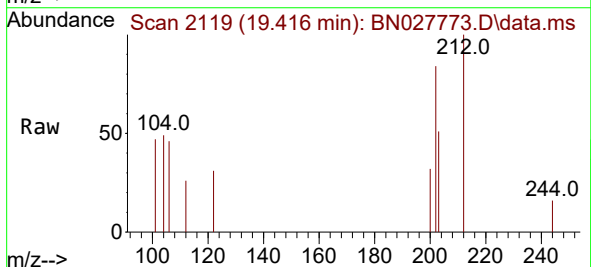
Instrument :
 BNA_N
 ClientSampleId :
 PILE-1

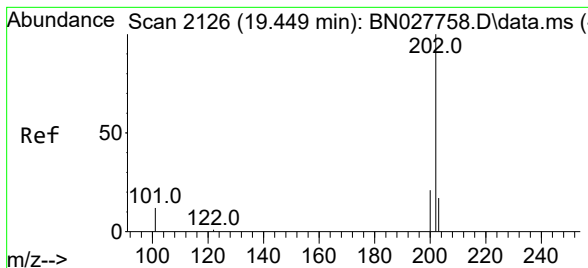
Tgt Ion:178 Resp: 18660
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 11.7 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.012 ng
 RT: 19.416 min Scan# 2119
 Delta R.T. -0.005 min
 Lab File: BN027773.D
 Acq: 20 Sep 2023 21:03

Tgt Ion:212 Resp: 414
 Ion Ratio Lower Upper
 212 100
 106 24.2 12.2 18.2#
 104 11.6 7.0 10.4#





#28

Fluoranthene

Concen: 3.029 ng

RT: 19.449 min Scan# 2126

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

Instrument :

BNA_N

ClientSampleId :

PILE-1

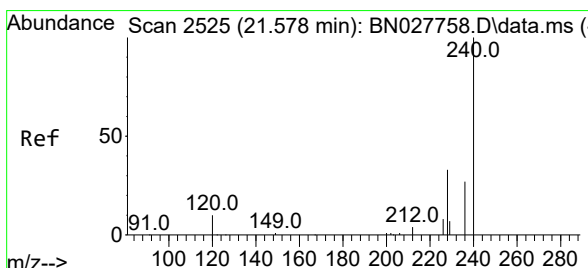
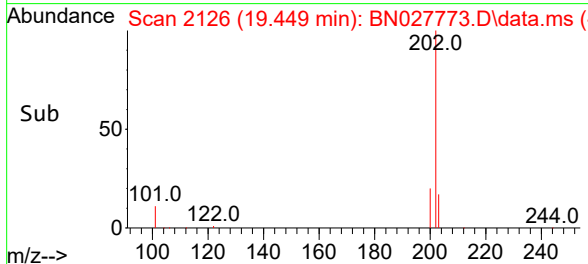
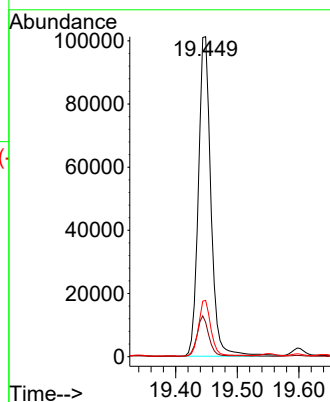
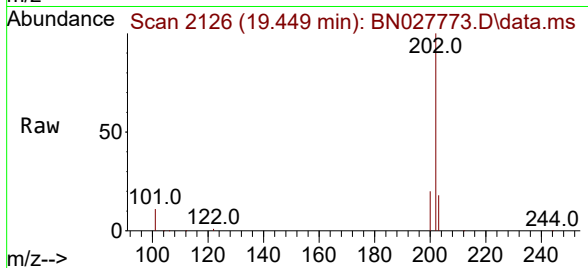
Tgt Ion:202 Resp: 143833

Ion Ratio Lower Upper

202 100

101 11.9 9.6 14.4

203 17.3 13.8 20.6



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.569 min Scan# 2524

Delta R.T. -0.009 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

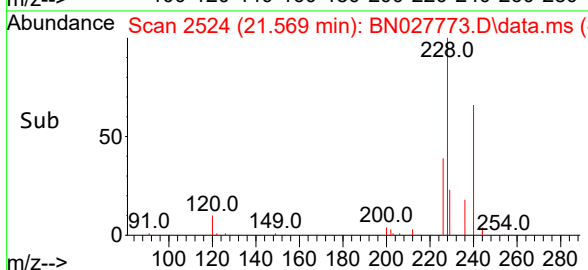
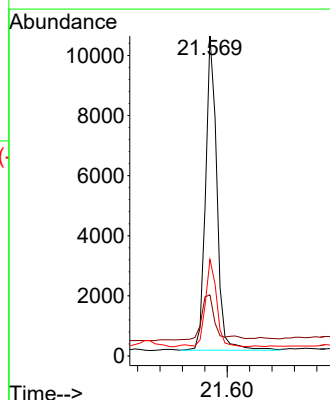
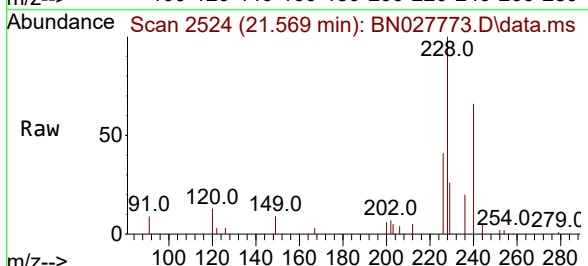
Tgt Ion:240 Resp: 14623

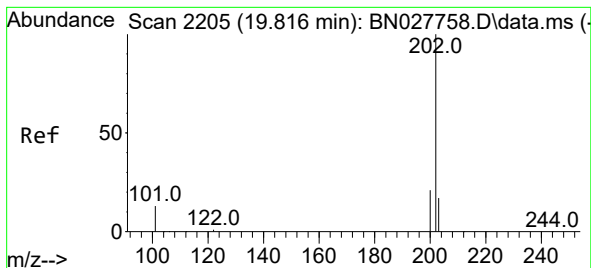
Ion Ratio Lower Upper

240 100

120 19.1 11.2 16.8

236 30.1 22.8 34.2





#30

Pyrene

Concen: 2.741 ng

RT: 19.811 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

Instrument :

BNA_N

ClientSampleId :

PILE-1

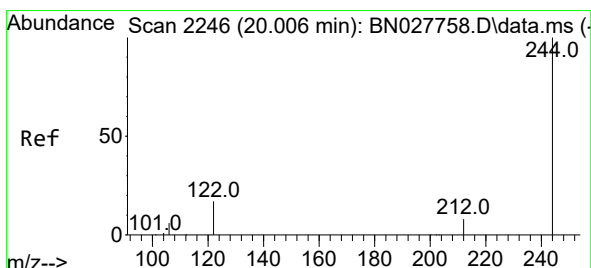
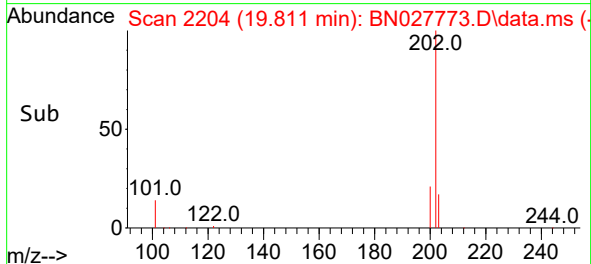
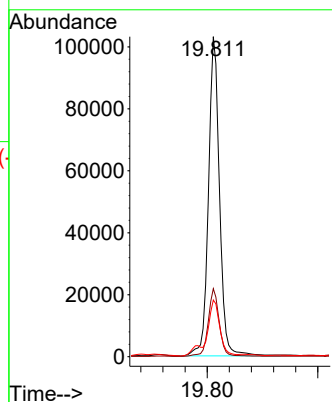
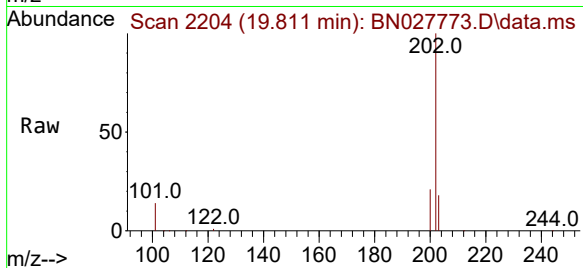
Tgt Ion:202 Resp: 144019

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 16.3 14.2 21.4



#31

Terphenyl-d14

Concen: 0.020 ng

RT: 20.002 min Scan# 2245

Delta R.T. -0.005 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

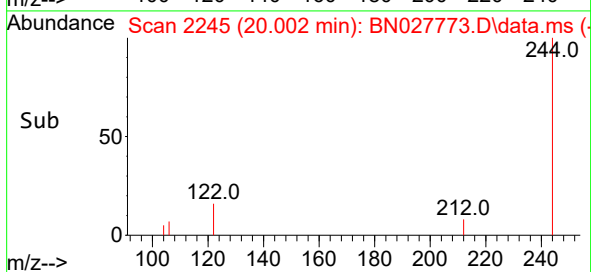
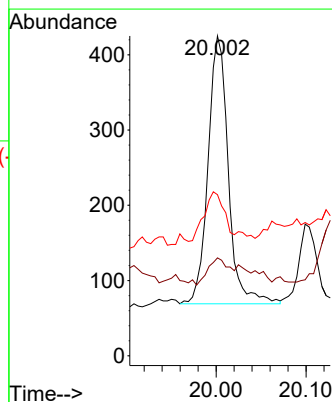
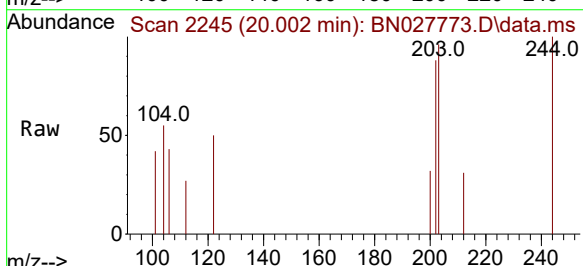
Tgt Ion:244 Resp: 558

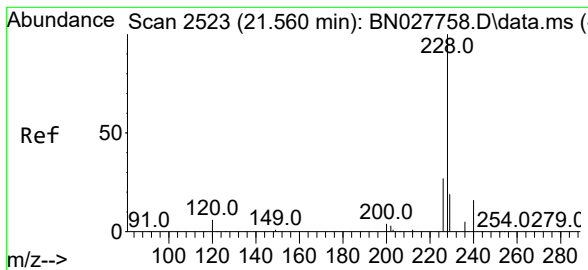
Ion Ratio Lower Upper

244 100

212 30.6 7.5 11.3#

122 50.4 13.9 20.9#

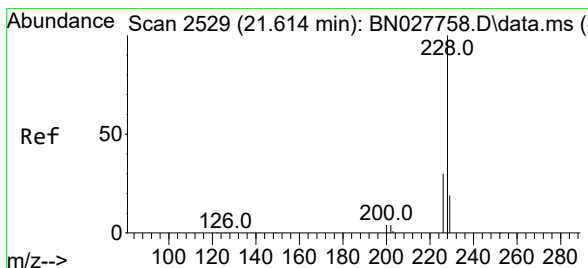
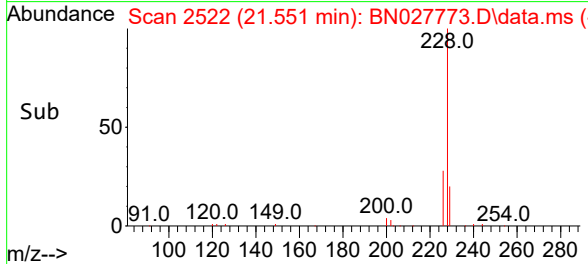
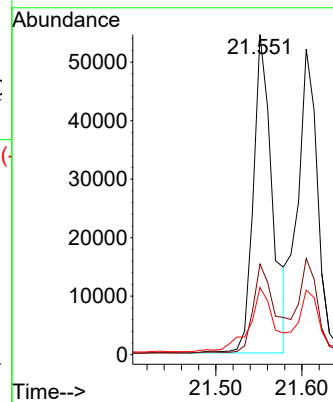
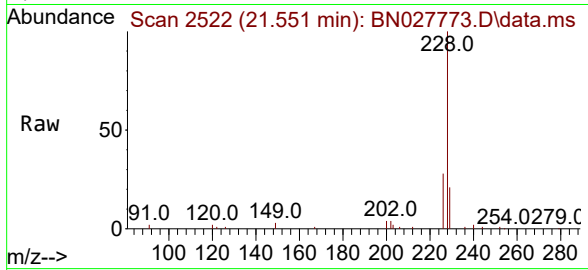




#32
Benzo(a)anthracene
Concen: 1.653 ng
RT: 21.551 min Scan# 2152
Delta R.T. -0.009 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

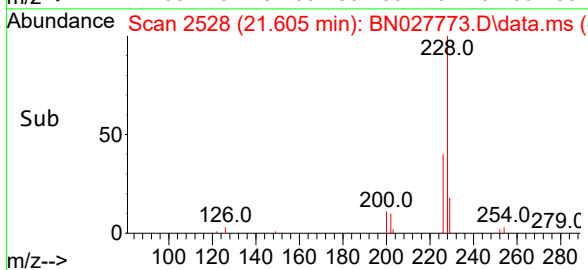
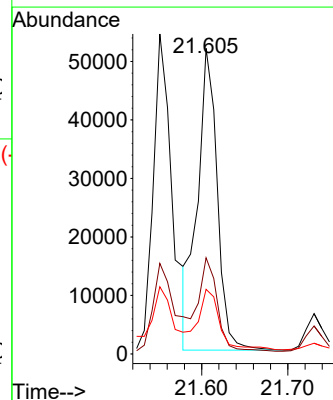
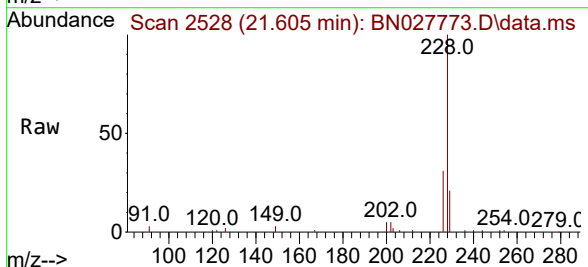
Instrument :
BNA_N
ClientSampleId :
PILE-1

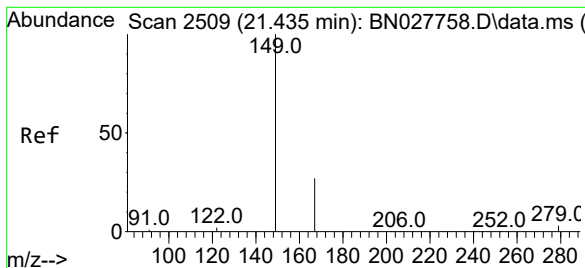
Tgt Ion:228 Resp: 83867
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 21.0 15.8 23.6



#33
Chrysene
Concen: 1.478 ng
RT: 21.605 min Scan# 2528
Delta R.T. -0.009 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Tgt Ion:228 Resp: 82594
Ion Ratio Lower Upper
228 100
226 31.4 24.2 36.4
229 21.2 15.7 23.5

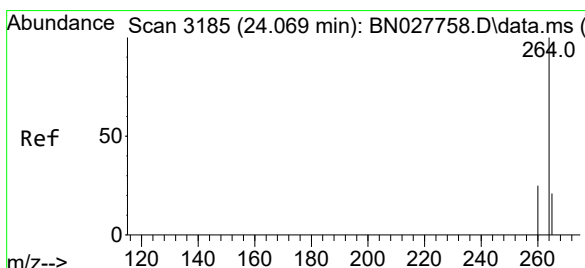
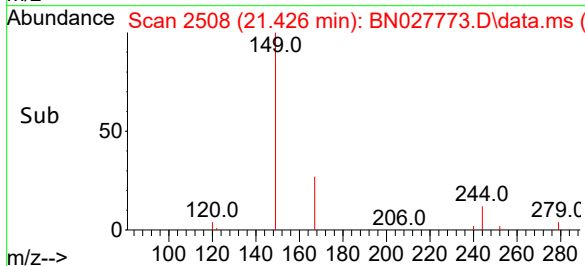
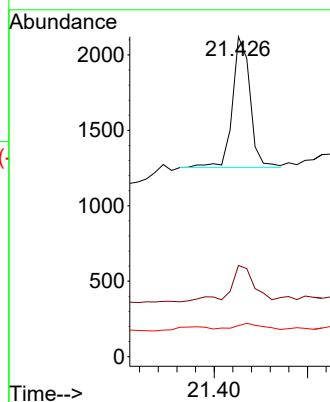
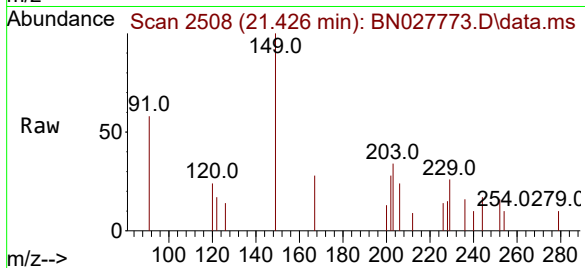




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.051 ng
 RT: 21.426 min Scan# 2142
 Delta R.T. -0.009 min
 Lab File: BN027773.D
 Acq: 20 Sep 2023 21:03

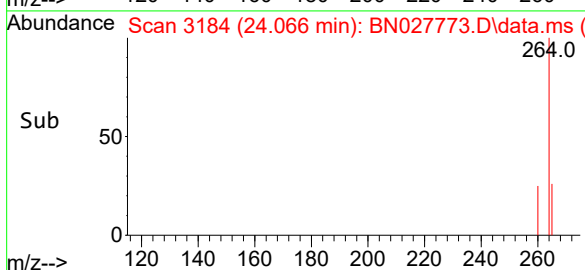
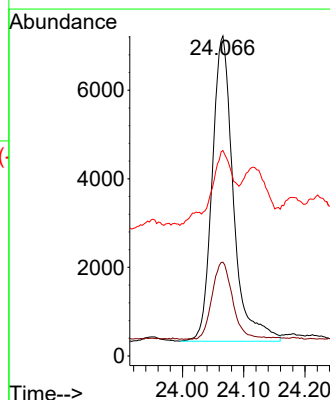
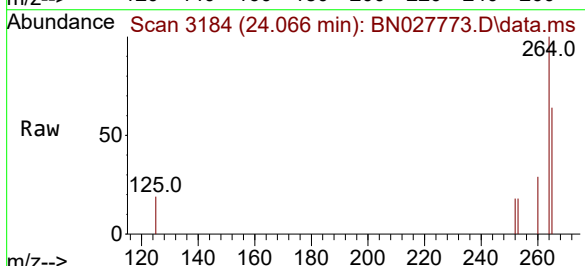
Instrument :
 BNA_N
 ClientSampleId :
 PILE-1

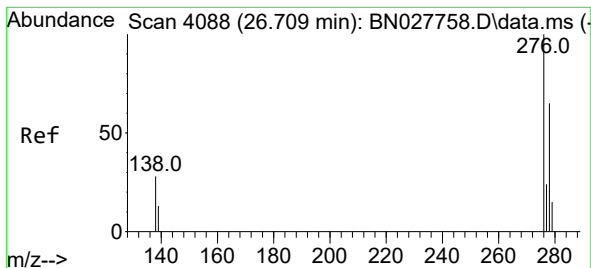
Tgt Ion:149 Resp: 1142
 Ion Ratio Lower Upper
 149 100
 167 36.3 21.4 32.2#
 279 7.1 2.3 3.5#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.066 min Scan# 3184
 Delta R.T. -0.003 min
 Lab File: BN027773.D
 Acq: 20 Sep 2023 21:03

Tgt Ion:264 Resp: 16602
 Ion Ratio Lower Upper
 264 100
 260 29.3 21.0 31.6
 265 64.2 60.5 90.7





#36

Indeno(1,2,3-cd)pyrene

Concen: 1.107 ng

RT: 26.683 min Scan# 4088

Delta R.T. -0.026 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

Instrument :

BNA_N

ClientSampleId :

PILE-1

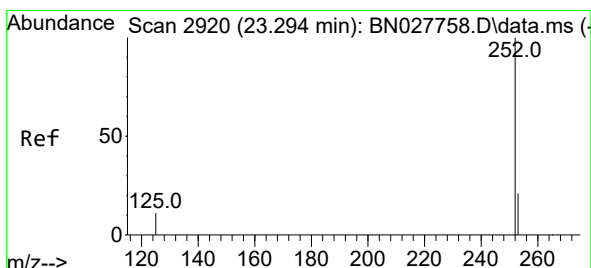
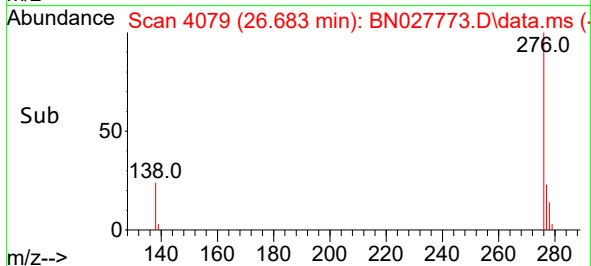
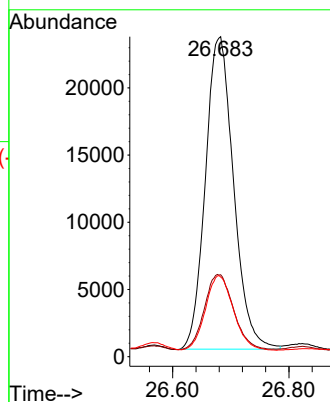
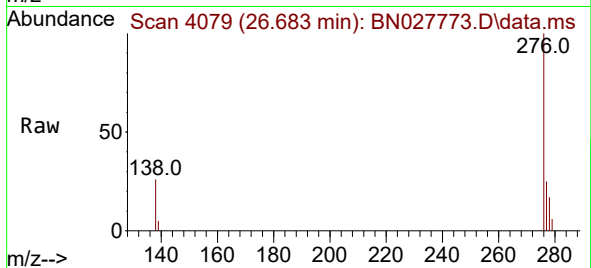
Tgt Ion:276 Resp: 78207

Ion Ratio Lower Upper

276 100

138 24.5 23.5 35.3

277 23.7 19.9 29.9



#37

Benzo(b)fluoranthene

Concen: 2.142 ng

RT: 23.291 min Scan# 2919

Delta R.T. -0.003 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

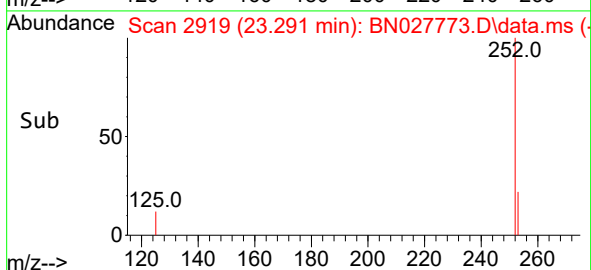
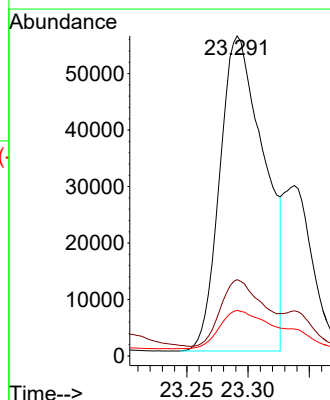
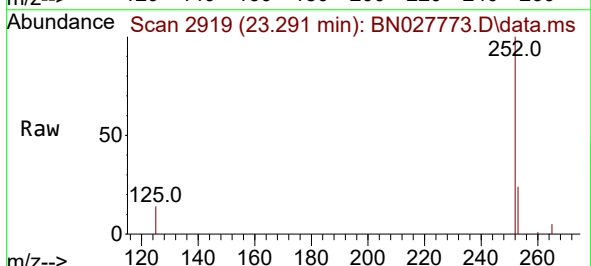
Tgt Ion:252 Resp: 140634

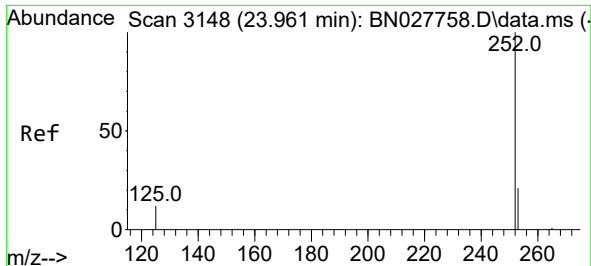
Ion Ratio Lower Upper

252 100

253 23.9 20.8 31.2

125 14.3 13.5 20.3

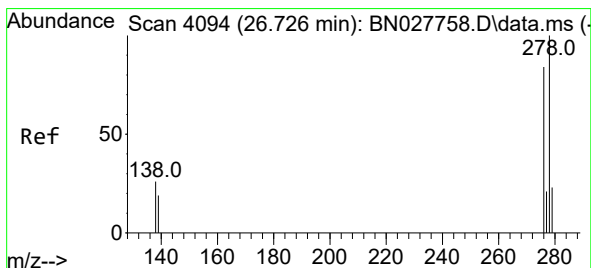
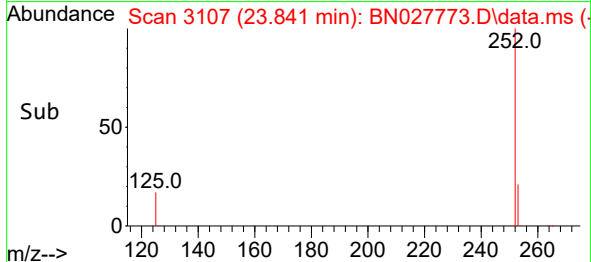
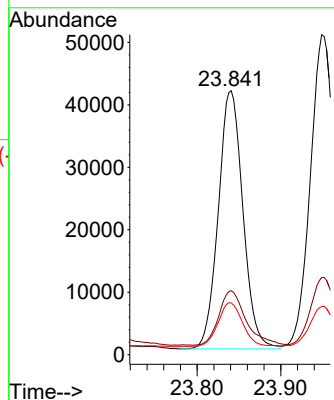
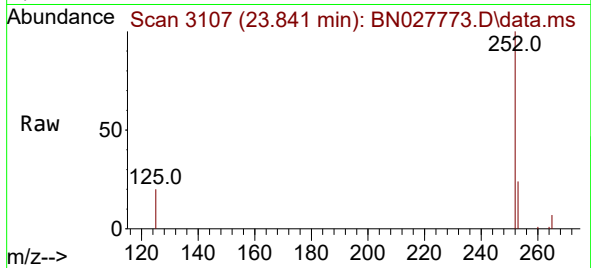




#39
Benzo(a)pyrene
Concen: 1.418 ng
RT: 23.841 min Scan# 31
Delta R.T. -0.120 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

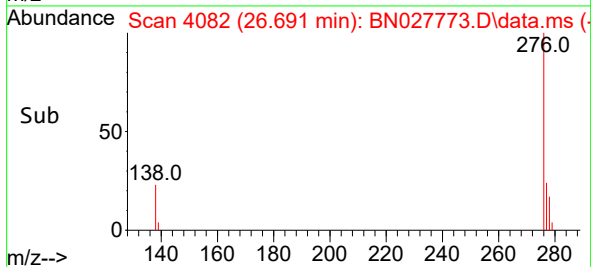
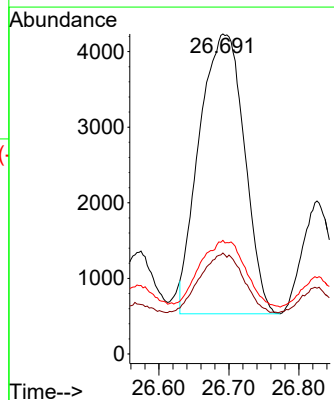
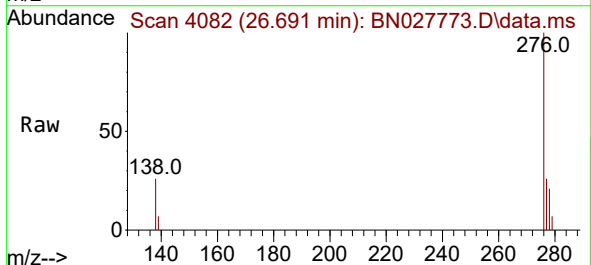
Instrument :
BNA_N
ClientSampleId :
PILE-1

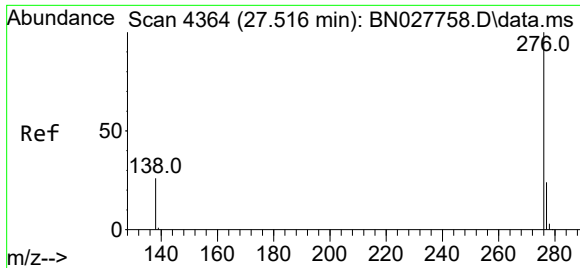
Tgt Ion:252 Resp: 84568
Ion Ratio Lower Upper
252 100
253 24.2 22.6 33.8
125 19.6 16.5 24.7



#40
Dibenzo(a,h)anthracene
Concen: 0.288 ng
RT: 26.691 min Scan# 4082
Delta R.T. -0.035 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

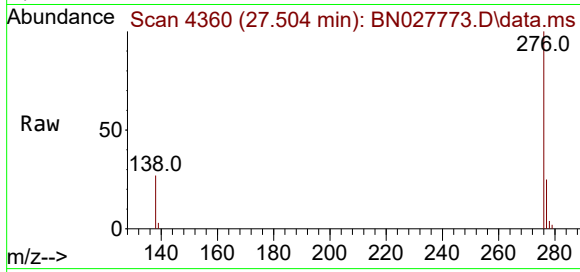
Tgt Ion:278 Resp: 16577
Ion Ratio Lower Upper
278 100
139 31.6 17.1 25.7#
279 35.5 22.2 33.2#





#41
Benzo(g,h,i)perylene
Concen: 1.375 ng
RT: 27.504 min Scan# 41
Delta R.T. -0.012 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion:276 Resp: 87695
Ion Ratio Lower Upper
276 100
277 25.2 20.4 30.6
138 26.8 21.9 32.9

