

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
 Data File : BN027778.D
 Acq On : 21 Sep 2023 00:06
 Operator : MA/JU
 Sample : 04367-03 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-3

Quant Time: Sep 21 04:24:50 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

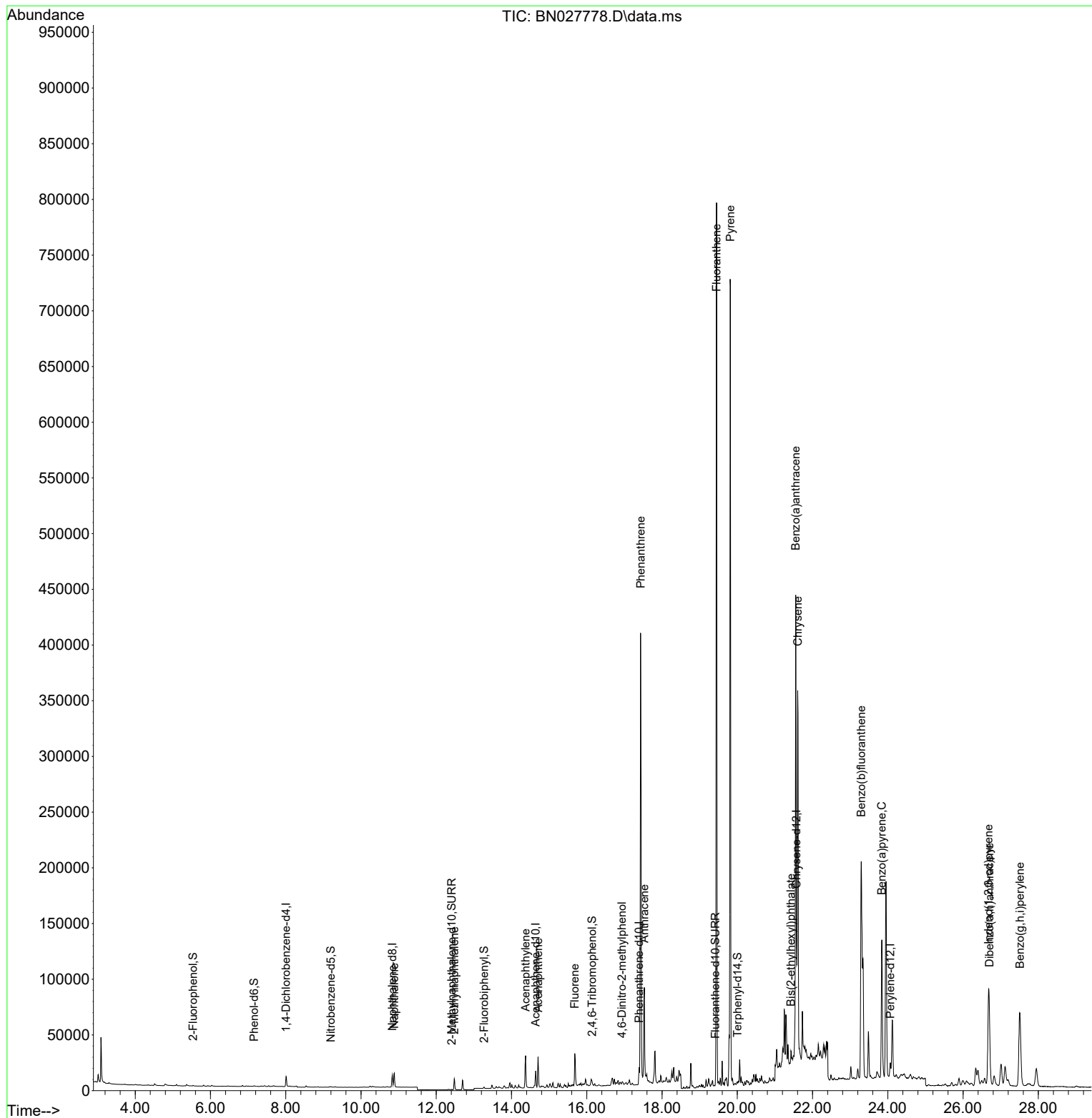
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.008	152	4423	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	14663	0.400	ng	# 0.00
13) Acenaphthene-d10	14.640	164	8643	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	20883	0.400	ng	# 0.00
29) Chrysene-d12	21.569	240	20996	0.400	ng	# 0.00
35) Perylene-d12	24.066	264	20100	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.538	112	396	0.035	ng	0.00
5) Phenol-d6	7.156	99	505	0.036	ng	0.00
8) Nitrobenzene-d5	9.198	82	561	0.048	ng	-0.01
11) 2-Methylnaphthalene-d10	12.407	152	609	0.028	ng	0.00
14) 2,4,6-Tribromophenol	16.139	330	487	0.133	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	1083	0.037	ng	0.00
27) Fluoranthene-d10	19.416	212	1829	0.034	ng	0.00
31) Terphenyl-d14	20.001	244	2148	0.053	ng	0.00
Target Compounds						
9) Naphthalene	10.885	128	17550	0.432	ng	Qvalue 98
12) 2-Methylnaphthalene	12.479	142	7412	0.262	ng	100
16) Acenaphthylene	14.373	152	34957	0.946	ng	100
17) Acenaphthene	14.705	154	13837	0.528	ng	99
18) Fluorene	15.680	166	25920	0.682	ng	98
20) 4,6-Dinitro-2-methylph...	16.934	198	181	0.584	ng	89
24) Pentachlorophenol	17.021	266	74	Below Cal	#	80
25) Phenanthrene	17.430	178	425785	6.969	ng	100
26) Anthracene	17.530	178	111965	2.141	ng	99
28) Fluoranthene	19.449	202	699406	9.315	ng	99
30) Pyrene	19.816	202	672452	8.915	ng	100
32) Benzo(a)anthracene	21.551	228	370848	5.090	ng	98
33) Chrysene	21.605	228	320472	3.995	ng	96
34) Bis(2-ethylhexyl)phtha...	21.426	149	10000	0.310	ng	# 93
36) Indeno(1,2,3-cd)pyrene	26.680	276	159045	1.860	ng	94
37) Benzo(b)fluoranthene	23.294	252	364530	4.587	ng	94
39) Benzo(a)pyrene	23.841	252	185915	2.575	ng	93
40) Dibenzo(a,h)anthracene	26.700	278	39875	0.571	ng	# 89
41) Benzo(g,h,i)perylene	27.510	276	158442	2.052	ng	97

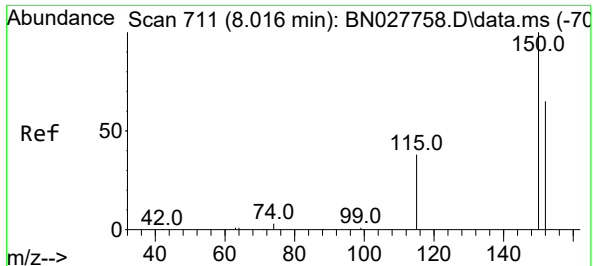
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
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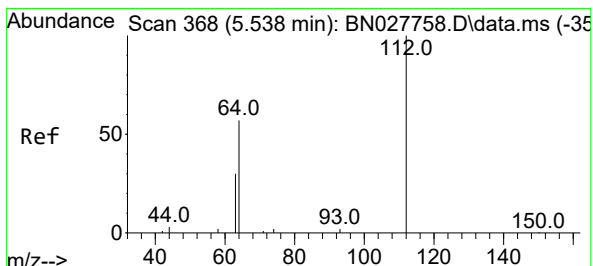
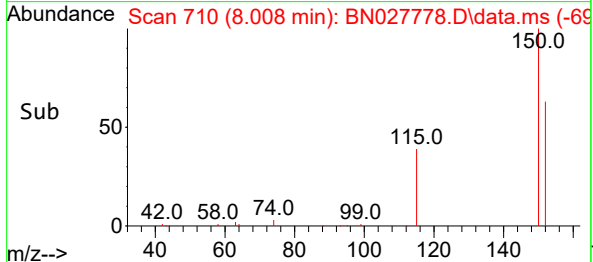
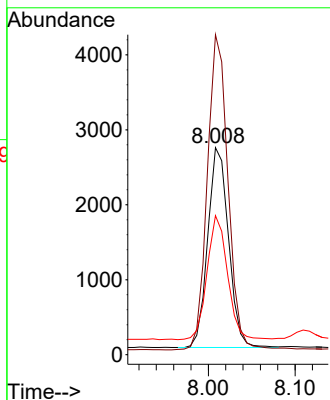
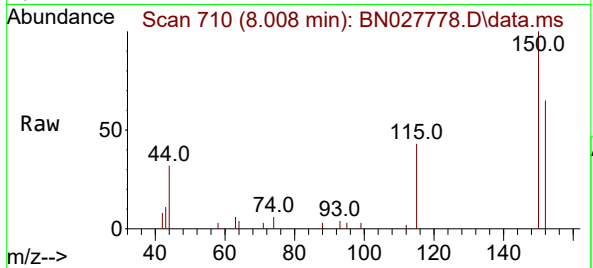




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.008 min Scan# 711
Delta R.T. -0.008 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

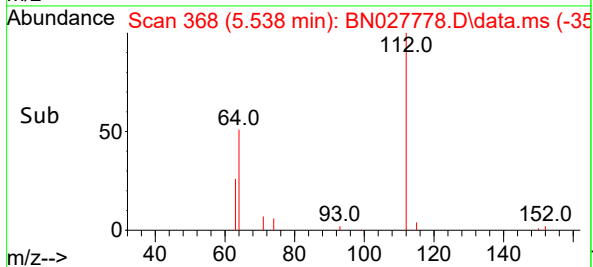
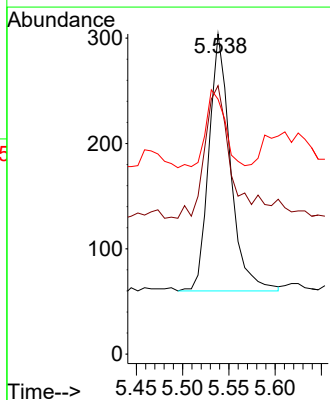
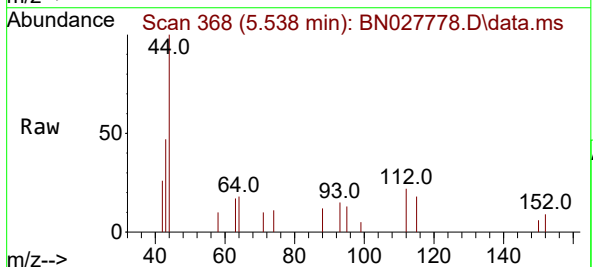
Instrument :
BNA_N
ClientSampleId :
PILE-3

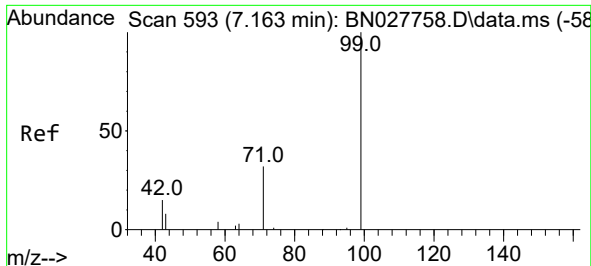
Tgt Ion:152 Resp: 4423
Ion Ratio Lower Upper
152 100
150 154.6 120.2 180.2
115 67.2 54.5 81.7



#4
2-Fluorophenol
Concen: 0.035 ng
RT: 5.538 min Scan# 368
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:112 Resp: 396
Ion Ratio Lower Upper
112 100
64 68.9 46.1 69.1
63 26.8 24.0 36.0

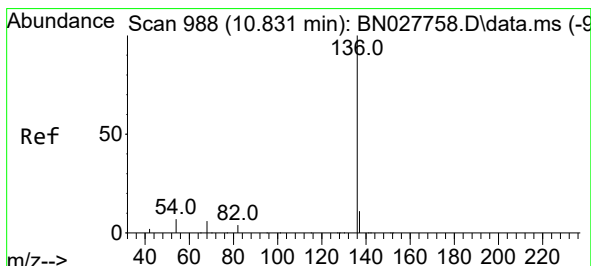
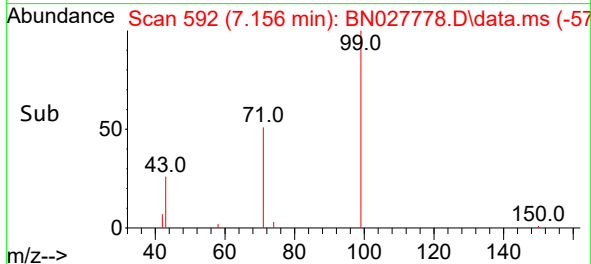
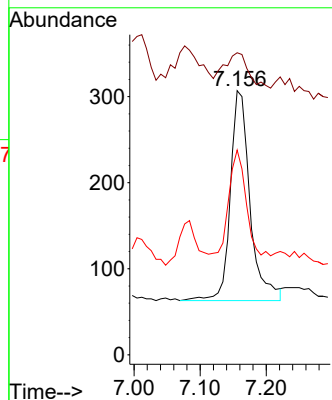
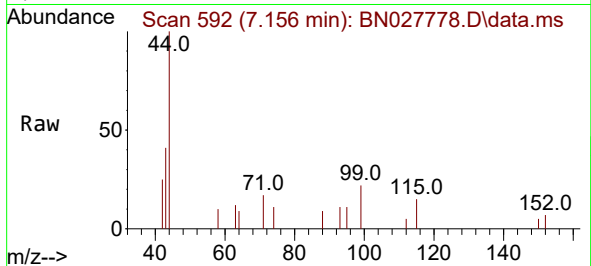




#5
Phenol-d6
Concen: 0.036 ng
RT: 7.156 min Scan# 593
Delta R.T. -0.007 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

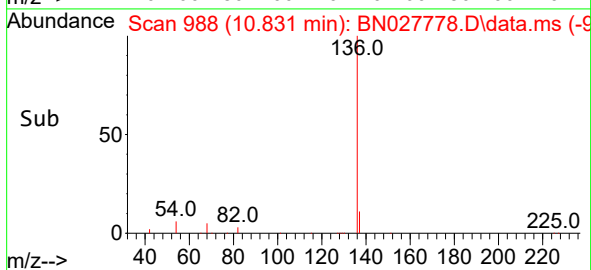
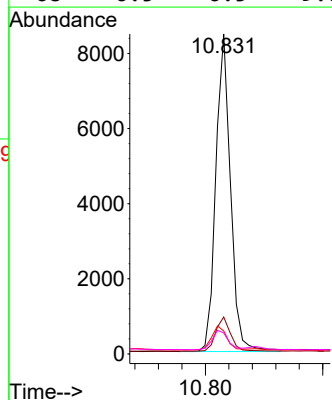
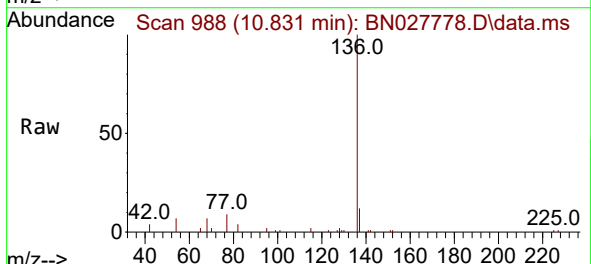
Instrument :
BNA_N
ClientSampleId :
PILE-3

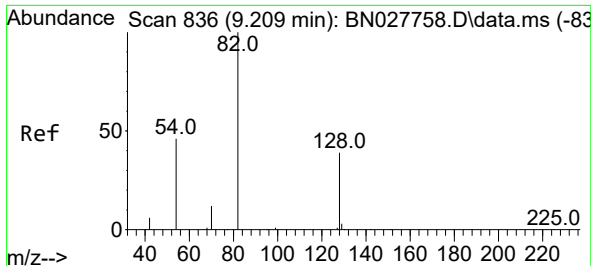
Tgt Ion: 99 Resp: 505
Ion Ratio Lower Upper
99 100
42 23.2 16.6 25.0
71 42.8 28.1 42.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion: 136 Resp: 14663
Ion Ratio Lower Upper
136 100
137 11.6 10.1 15.1
54 7.2 7.4 11.0#
68 6.5 6.5 9.7

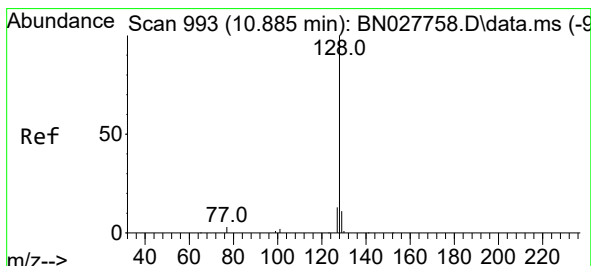
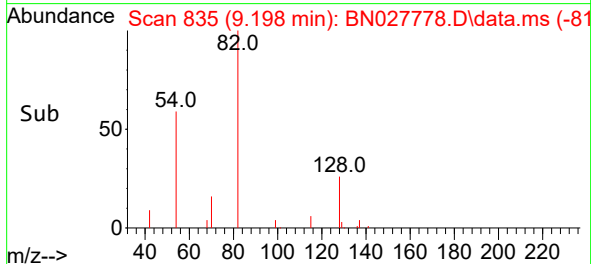
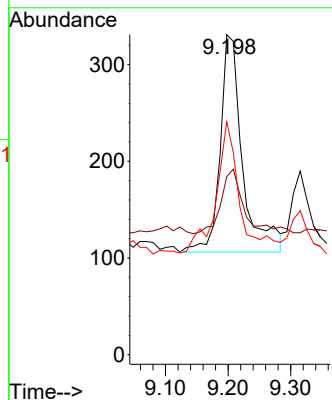
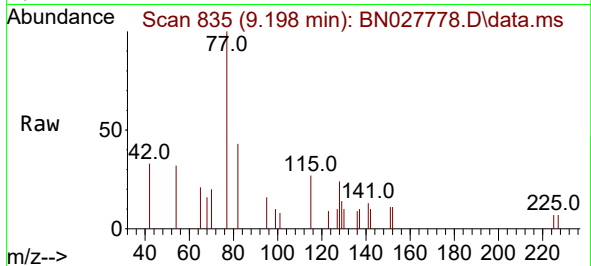




#8
Nitrobenzene-d5
Concen: 0.048 ng
RT: 9.198 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

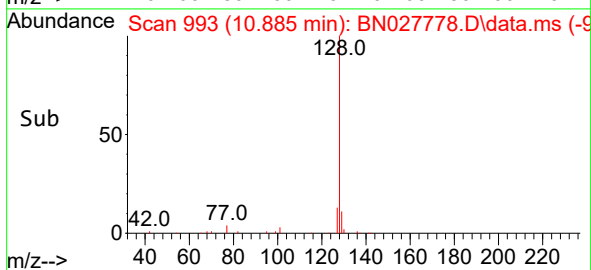
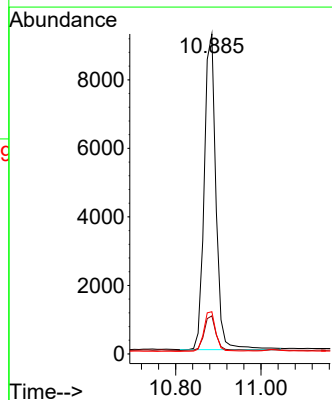
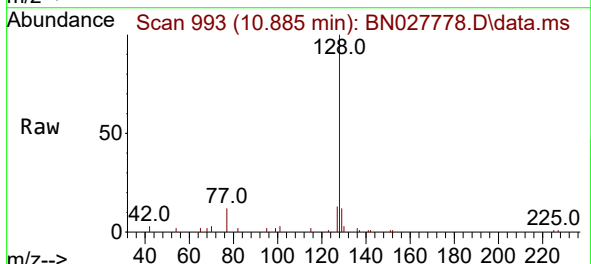
Instrument :
BNA_N
ClientSampleId :
PILE-3

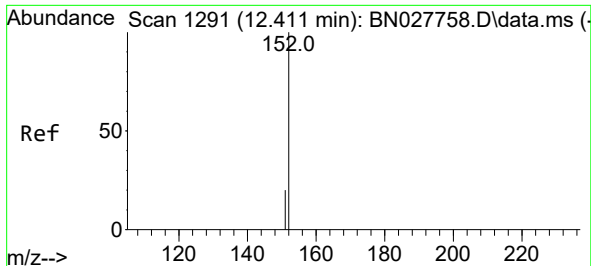
Tgt Ion: 82 Resp: 561
Ion Ratio Lower Upper
82 100
128 55.6 36.8 55.2#
54 72.8 39.9 59.9#



#9
Naphthalene
Concen: 0.432 ng
RT: 10.885 min Scan# 993
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion: 128 Resp: 17550
Ion Ratio Lower Upper
128 100
129 11.9 10.2 15.2
127 13.2 11.1 16.7

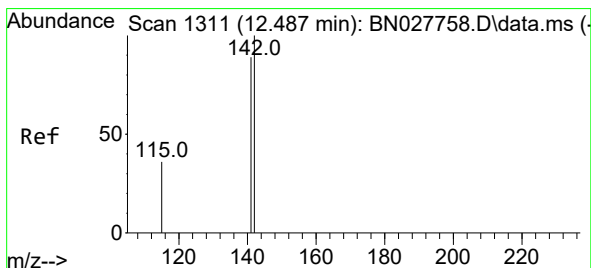
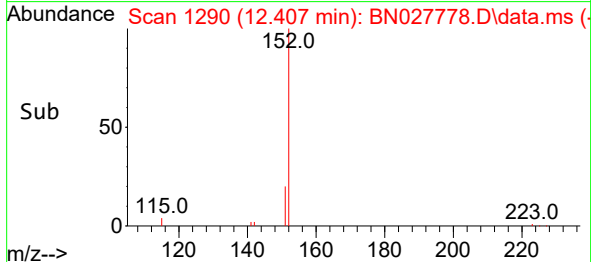
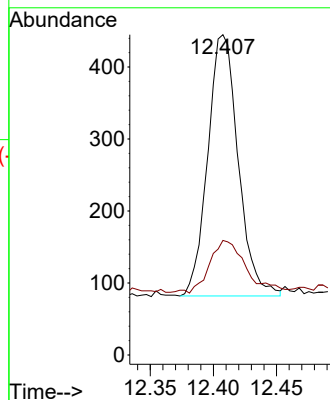
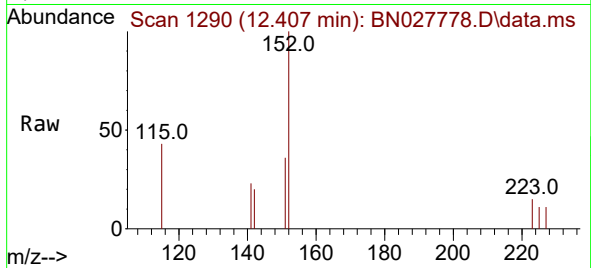




#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 12.407 min Scan# 1109
Delta R.T. -0.004 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

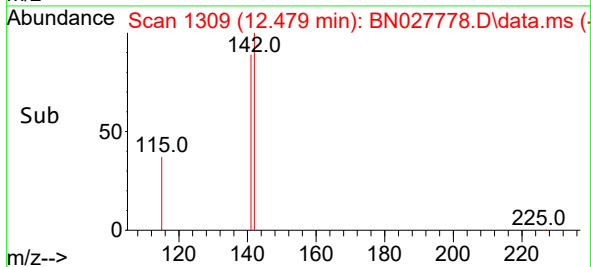
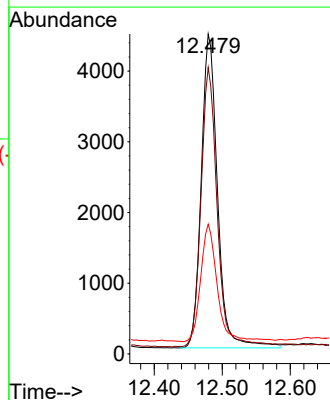
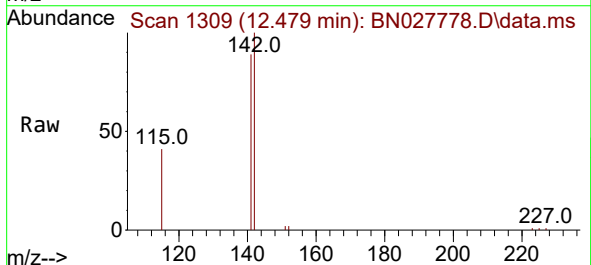
Instrument :
BNA_N
ClientSampleId :
PILE-3

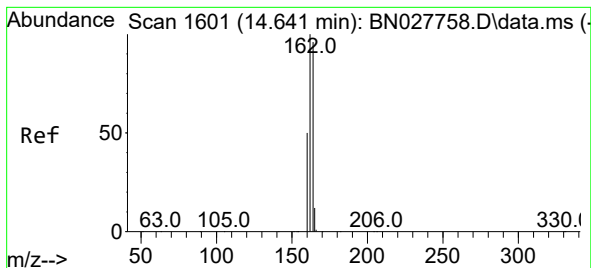
Tgt Ion:152 Resp: 609
Ion Ratio Lower Upper
152 100
151 23.3 15.6 23.4



#12
2-Methylnaphthalene
Concen: 0.262 ng
RT: 12.479 min Scan# 1309
Delta R.T. -0.008 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:142 Resp: 7412
Ion Ratio Lower Upper
142 100
141 89.5 71.5 107.3
115 40.5 31.8 47.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.640 min Scan# 1601

Delta R.T. -0.000 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

Instrument :

BNA_N

ClientSampleId :

PILE-3

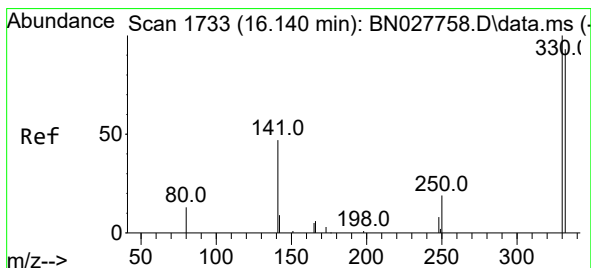
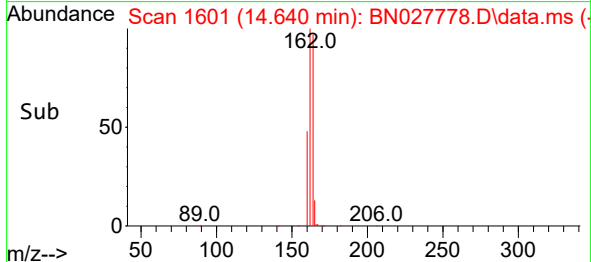
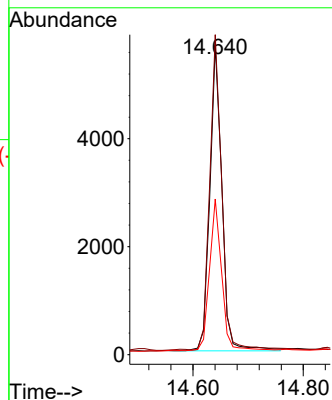
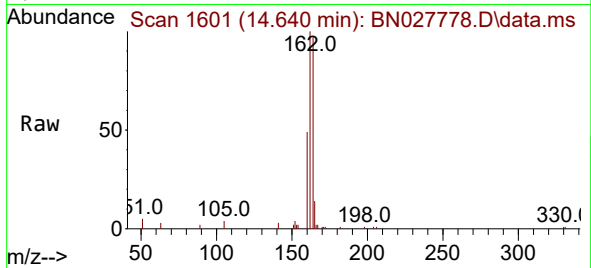
Tgt Ion:164 Resp: 8643

Ion Ratio Lower Upper

164 100

162 103.5 83.6 125.4

160 50.3 42.6 64.0



#14

2,4,6-Tribromophenol

Concen: 0.133 ng

RT: 16.139 min Scan# 1733

Delta R.T. -0.000 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

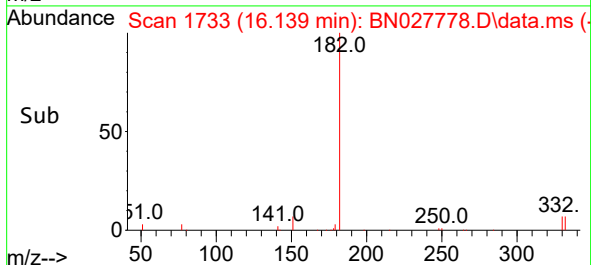
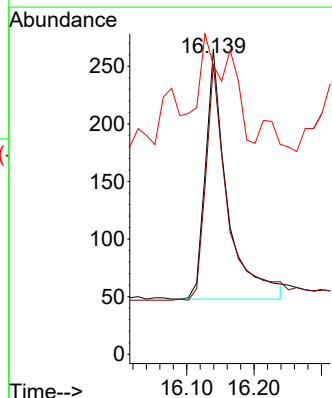
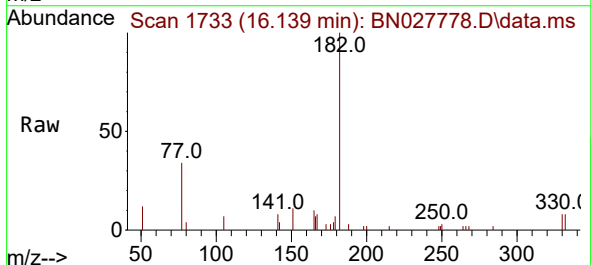
Tgt Ion:330 Resp: 487

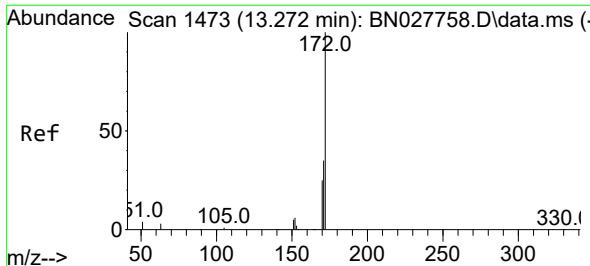
Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.4

141 63.0 38.1 57.1#

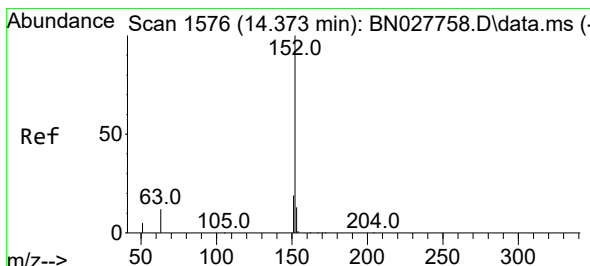
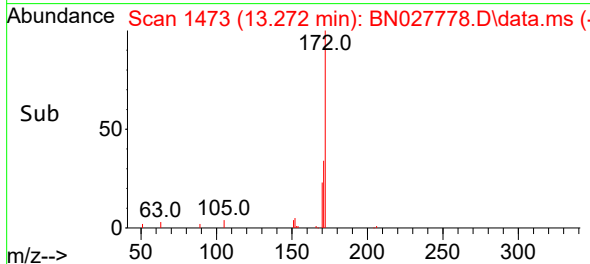
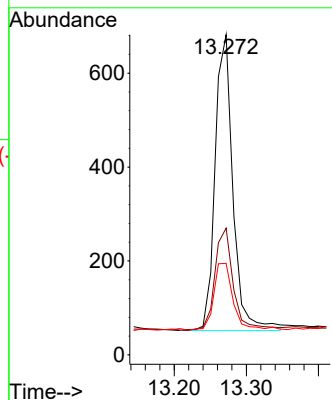
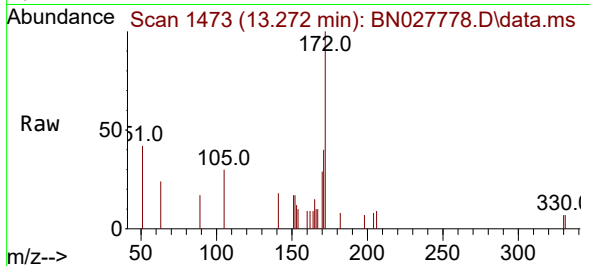




#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 13.272 min Scan# 1473
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

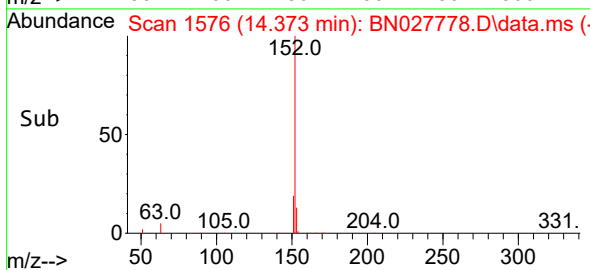
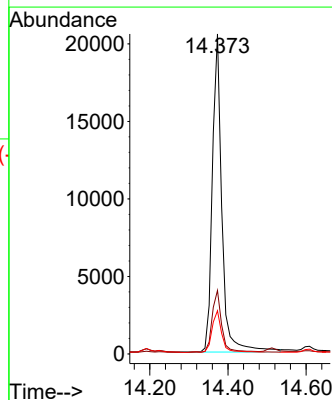
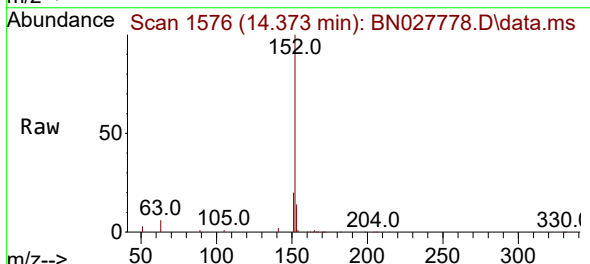
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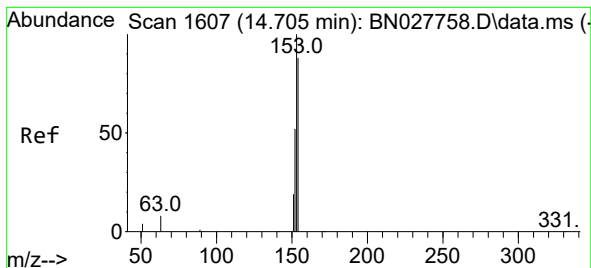
Tgt Ion:	172	Resp:	1083
Ion Ratio	Lower	Upper	
172	100		
171	39.6	29.3	43.9
170	28.6	20.8	31.2



#16
Acenaphthylene
Concen: 0.946 ng
RT: 14.373 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:	152	Resp:	34957
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.4	23.2
153	13.3	10.6	15.8





#17

Acenaphthene

Concen: 0.528 ng

RT: 14.705 min Scan# 1607

Delta R.T. -0.000 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

Instrument :

BNA_N

ClientSampleId :

PILE-3

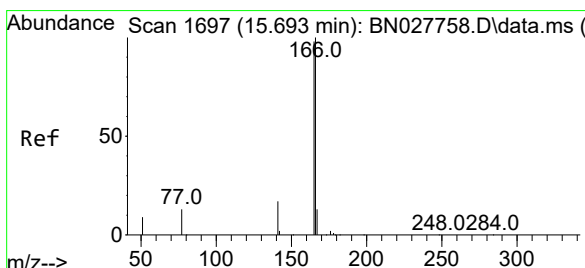
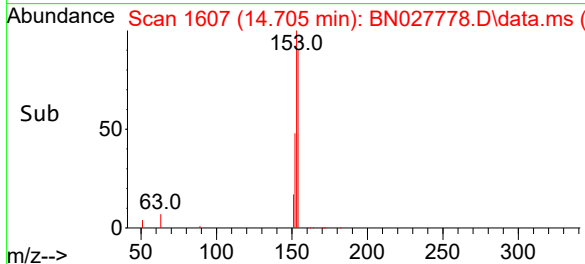
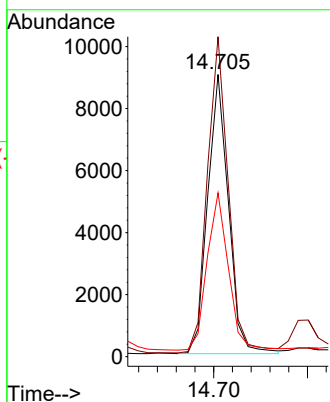
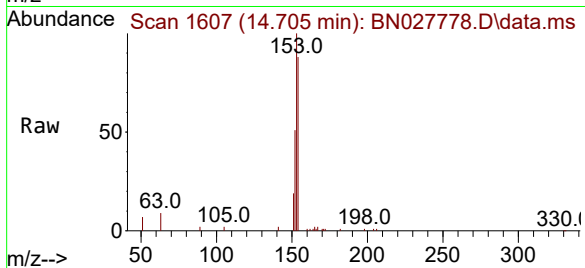
Tgt Ion:154 Resp: 13837

Ion Ratio Lower Upper

154 100

153 114.4 91.0 136.6

152 57.7 47.4 71.2



#18

Fluorene

Concen: 0.682 ng

RT: 15.680 min Scan# 1696

Delta R.T. -0.013 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

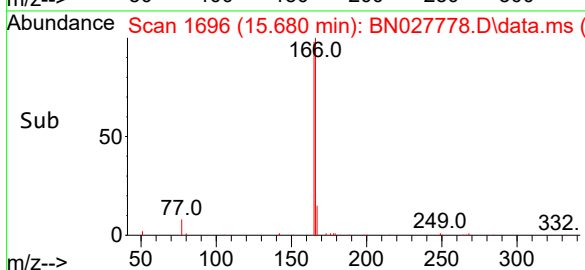
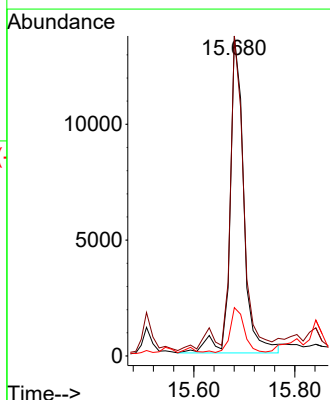
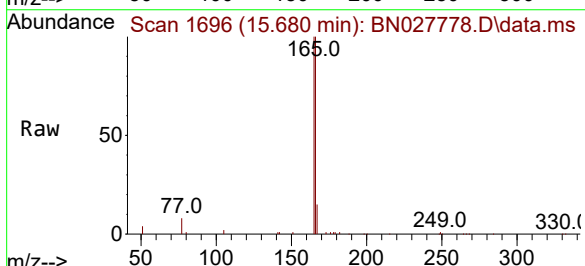
Tgt Ion:166 Resp: 25920

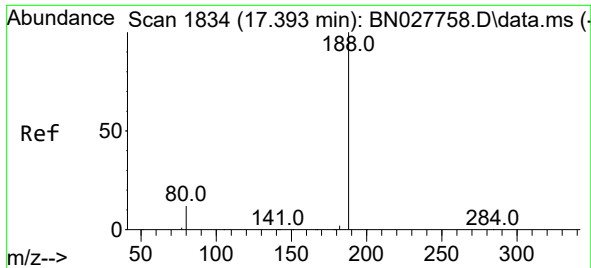
Ion Ratio Lower Upper

166 100

165 101.1 79.3 118.9

167 14.2 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: BN027778.D

Acq: 21 Sep 2023 00:06

Instrument :

BNA_N

ClientSampleId :

PILE-3

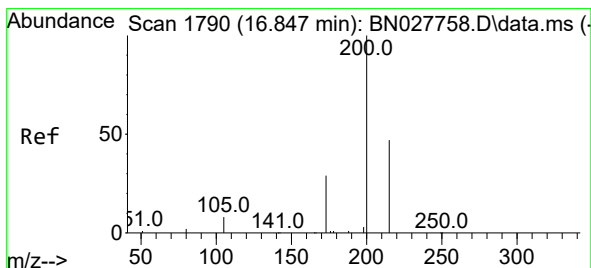
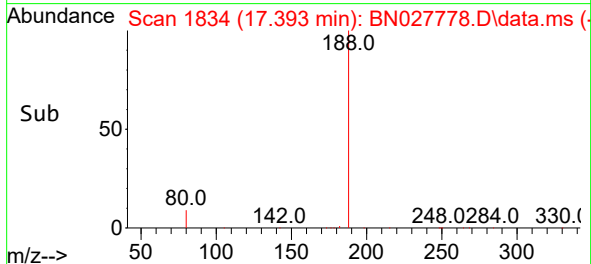
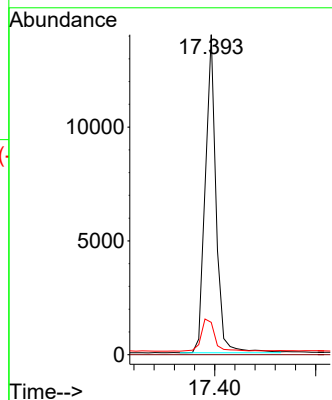
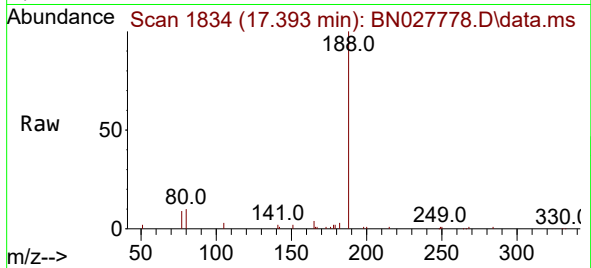
Tgt Ion:188 Resp: 20883

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.1 10.6 16.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.584 ng

RT: 16.934 min Scan# 1797

Delta R.T. 0.087 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

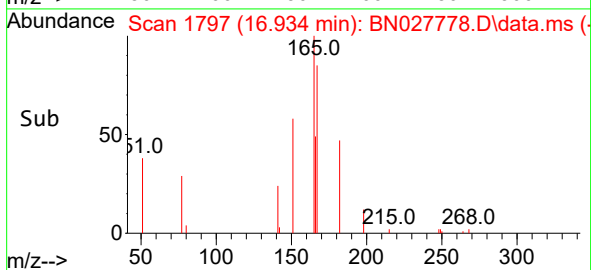
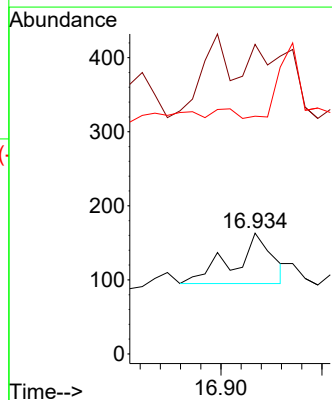
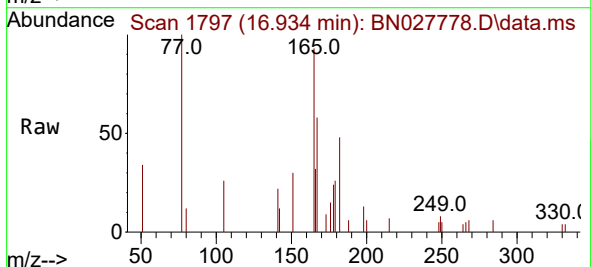
Tgt Ion:198 Resp: 181

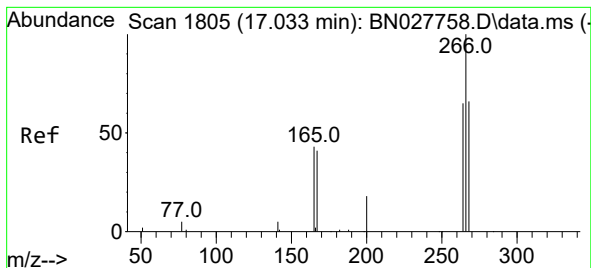
Ion Ratio Lower Upper

198 100

51 256.4 225.2 337.8

105 196.9 168.9 253.3





#24

Pentachlorophenol

Concen: Below Cal

RT: 17.021 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

Instrument :

BNA_N

ClientSampleId :

PILE-3

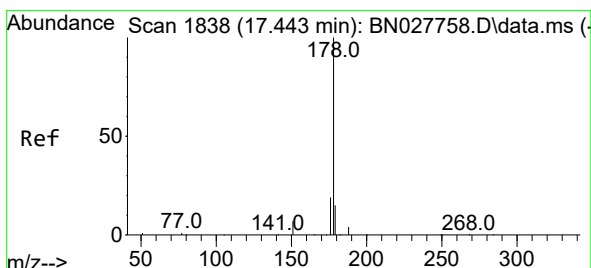
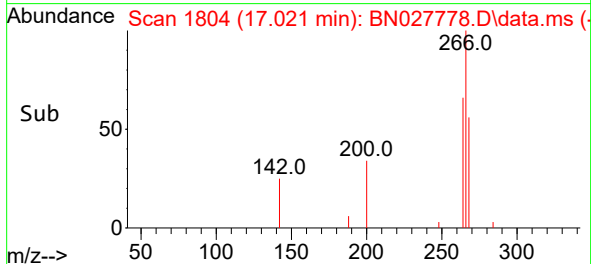
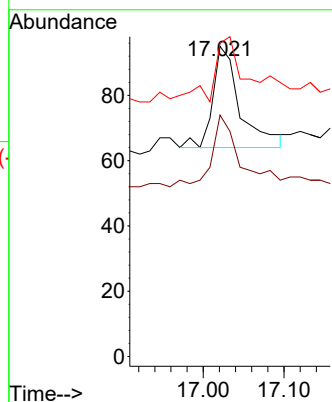
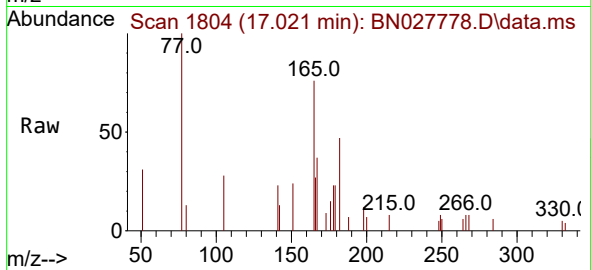
Tgt Ion:266 Resp: 74

Ion Ratio Lower Upper

266 100

264 83.8 50.8 76.2#

268 77.0 53.0 79.6



#25

Phenanthrene

Concen: 6.969 ng

RT: 17.430 min Scan# 1837

Delta R.T. -0.013 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

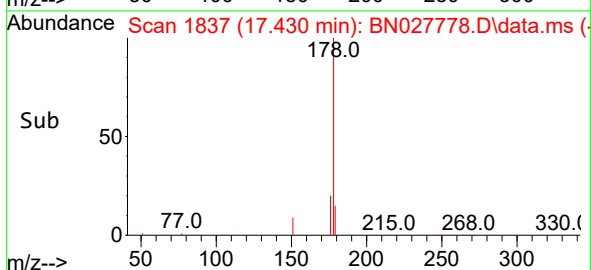
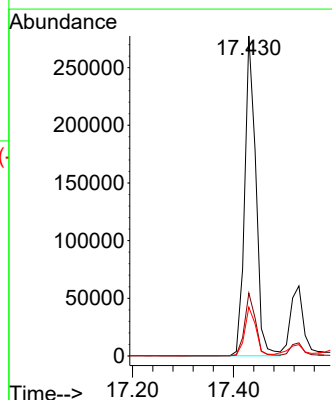
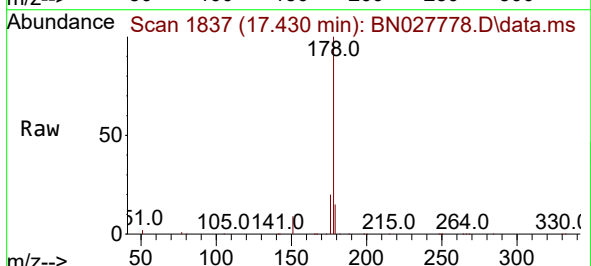
Tgt Ion:178 Resp: 425785

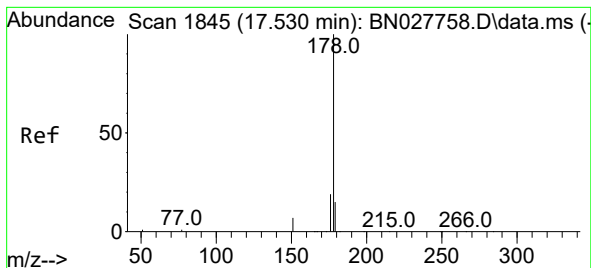
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.4 12.3 18.5





#26

Anthracene

Concen: 2.141 ng

RT: 17.530 min Scan# 1119

Delta R.T. -0.000 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

Instrument :

BNA_N

ClientSampleId :

PILE-3

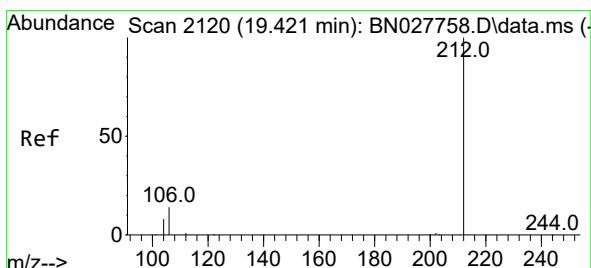
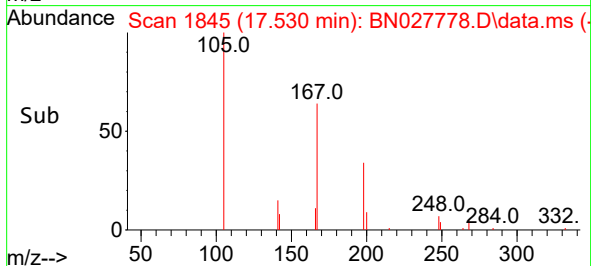
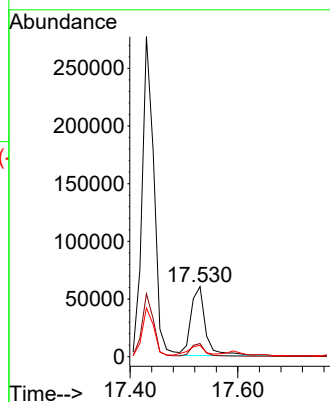
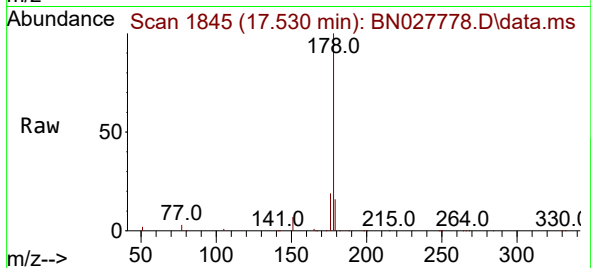
Tgt Ion:178 Resp: 111965

Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

179 15.9 12.2 18.2



#27

Fluoranthene-d10

Concen: 0.034 ng

RT: 19.416 min Scan# 2119

Delta R.T. -0.005 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

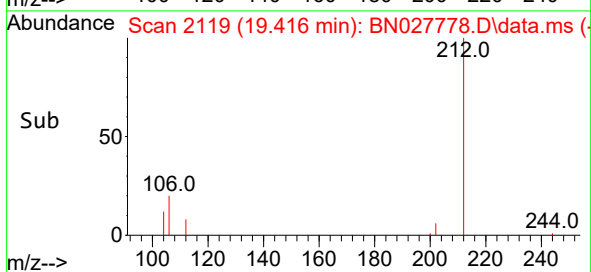
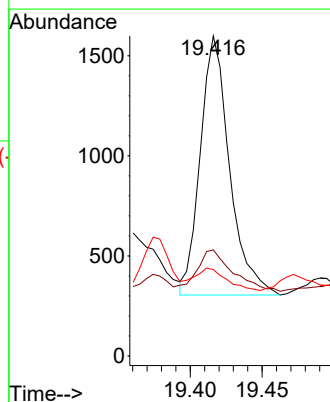
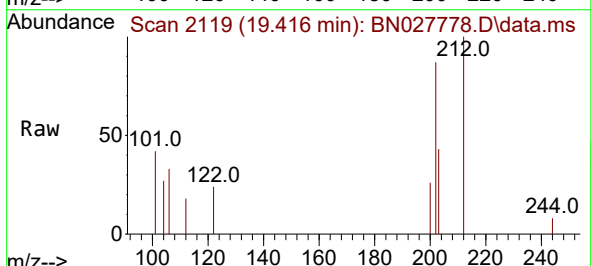
Tgt Ion:212 Resp: 1829

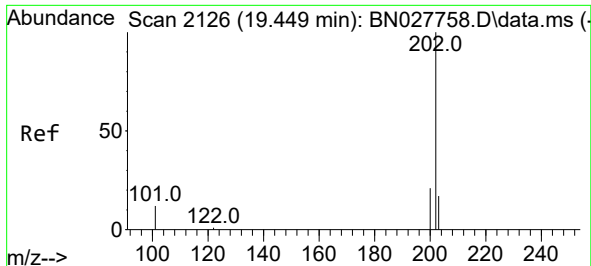
Ion Ratio Lower Upper

212 100

106 19.5 12.2 18.2#

104 8.9 7.0 10.4

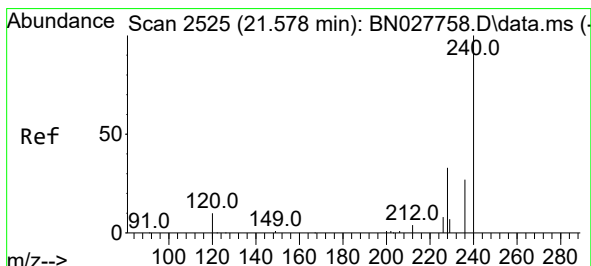
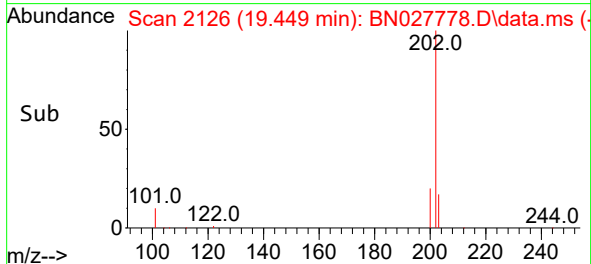
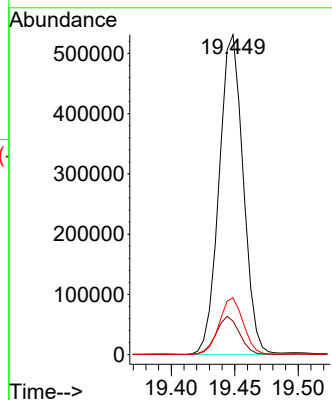
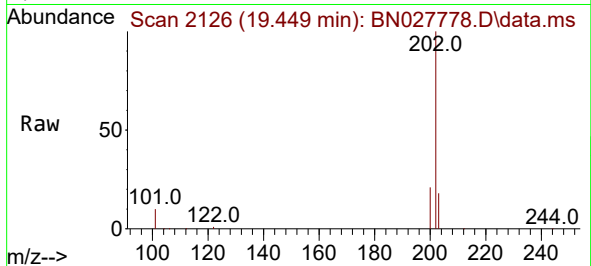




#28
Fluoranthene
Concen: 9.315 ng
RT: 19.449 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

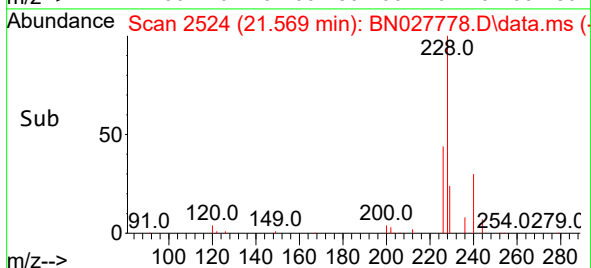
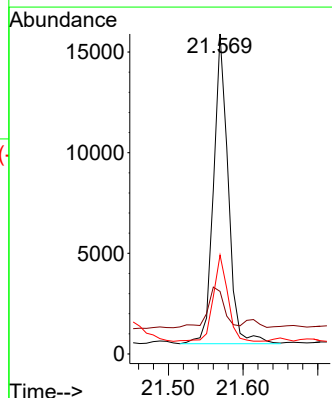
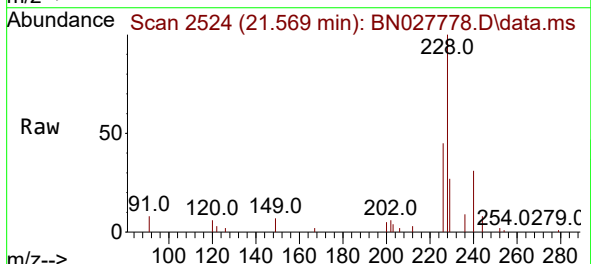
Instrument :
BNA_N
ClientSampleId :
PILE-3

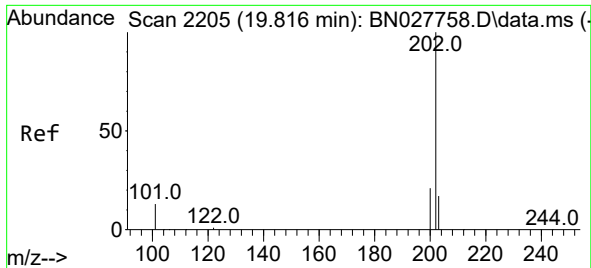
Tgt Ion:202 Resp: 699406
Ion Ratio Lower Upper
202 100
101 11.6 9.6 14.4
203 17.6 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.569 min Scan# 2524
Delta R.T. -0.009 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:240 Resp: 20996
Ion Ratio Lower Upper
240 100
120 19.5 11.2 16.8#
236 30.9 22.8 34.2

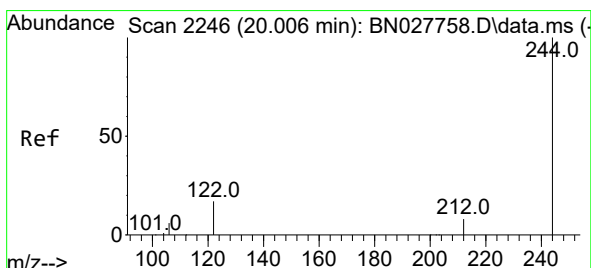
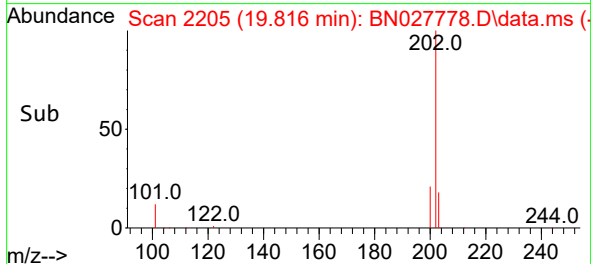
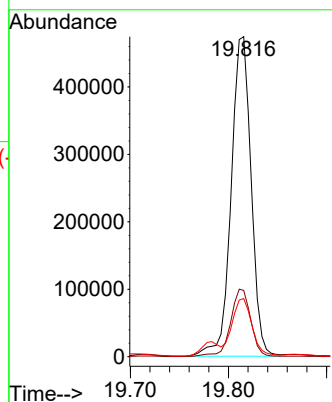
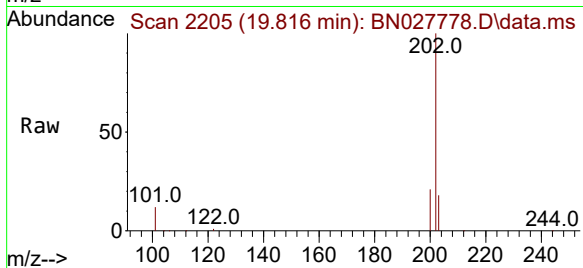




#30
Pyrene
Concen: 8.915 ng
RT: 19.816 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

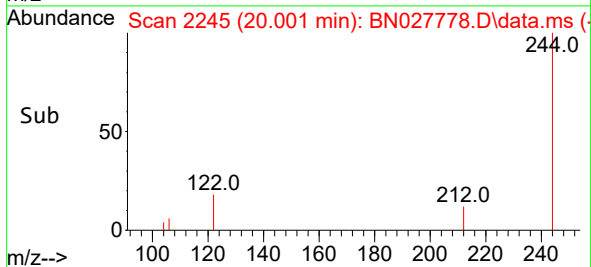
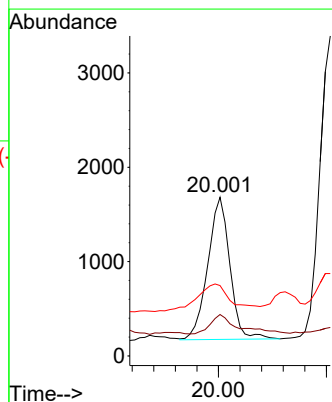
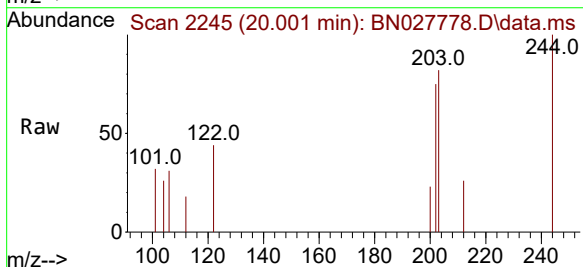
Instrument :
BNA_N
ClientSampleId :
PILE-3

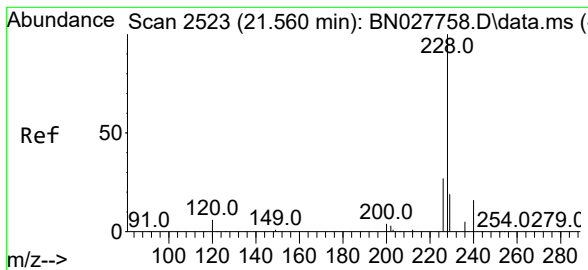
Tgt Ion:202 Resp: 672452
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.9 14.2 21.4



#31
Terphenyl-d14
Concen: 0.053 ng
RT: 20.001 min Scan# 2245
Delta R.T. -0.005 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:244 Resp: 2148
Ion Ratio Lower Upper
244 100
212 26.1 7.5 11.3#
122 44.3 13.9 20.9#

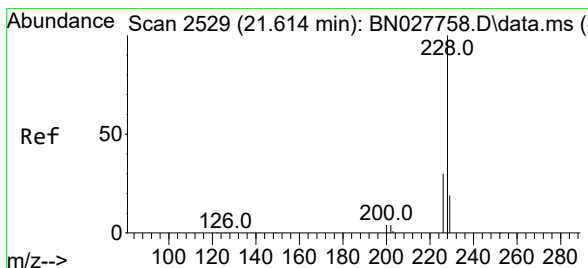
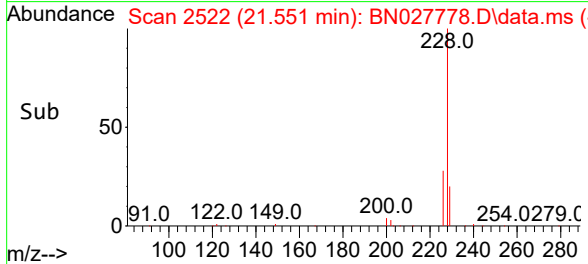
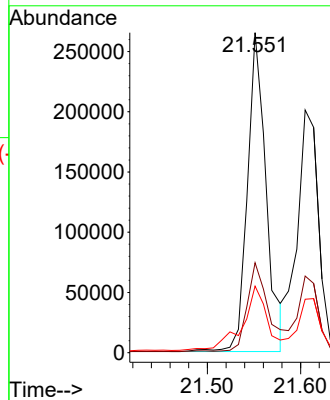
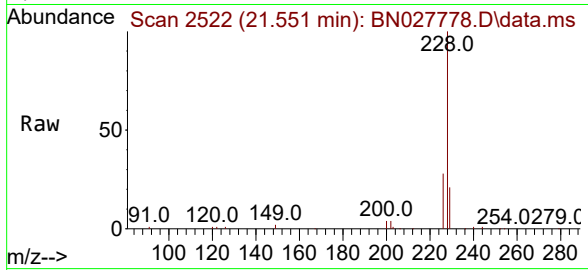




#32
Benzo(a)anthracene
Concen: 5.090 ng
RT: 21.551 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

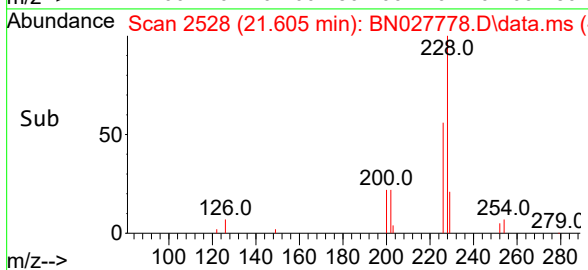
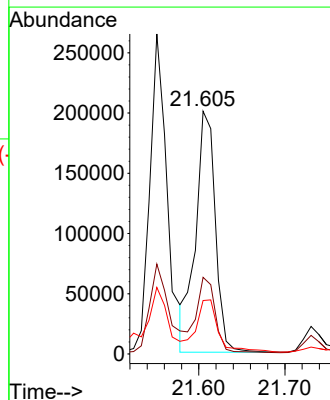
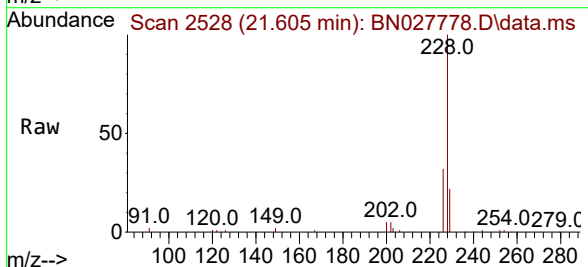
Instrument :
BNA_N
ClientSampleId :
PILE-3

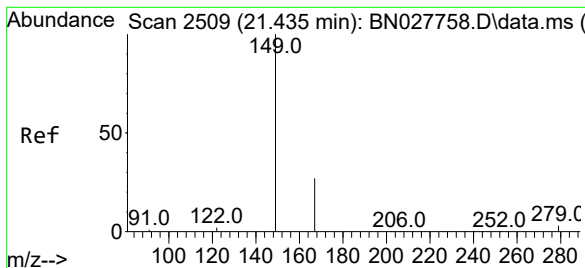
Tgt Ion:228 Resp: 370848
Ion Ratio Lower Upper
228 100
226 28.1 21.9 32.9
229 20.8 15.8 23.6



#33
Chrysene
Concen: 3.995 ng
RT: 21.605 min Scan# 2528
Delta R.T. -0.009 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:228 Resp: 320472
Ion Ratio Lower Upper
228 100
226 31.6 24.2 36.4
229 22.0 15.7 23.5

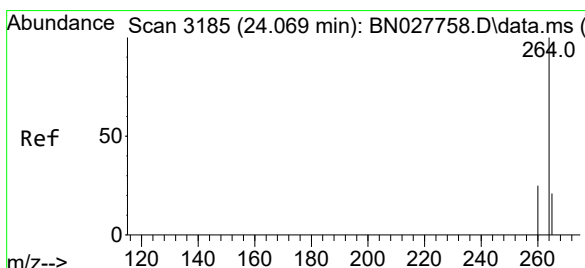
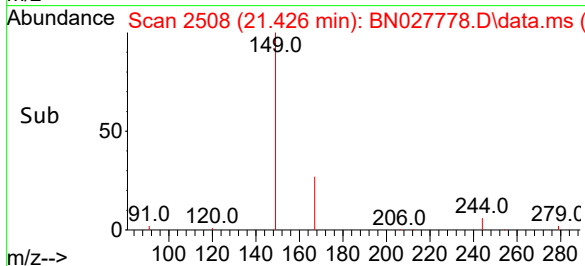
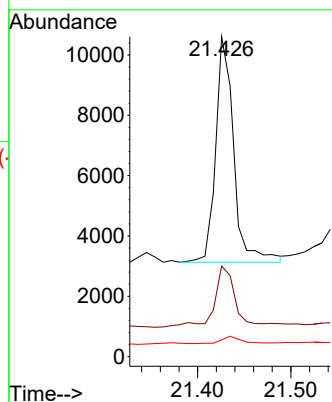
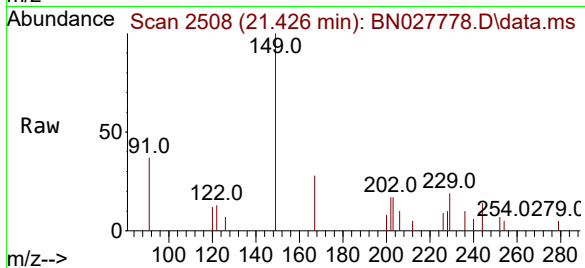




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.310 ng
 RT: 21.426 min Scan# 2149
 Delta R.T. -0.009 min
 Lab File: BN027778.D
 Acq: 21 Sep 2023 00:06

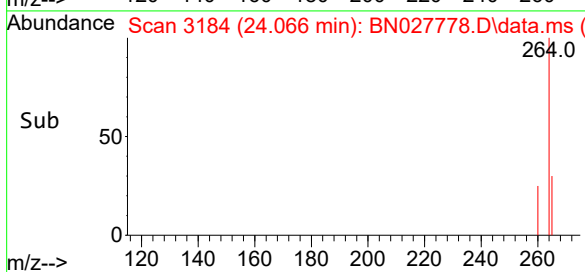
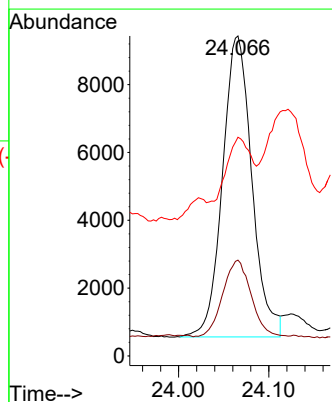
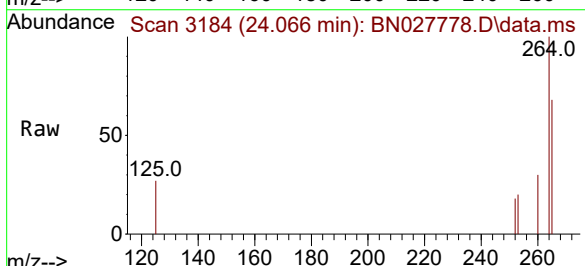
Instrument :
 BNA_N
 ClientSampleId :
 PILE-3

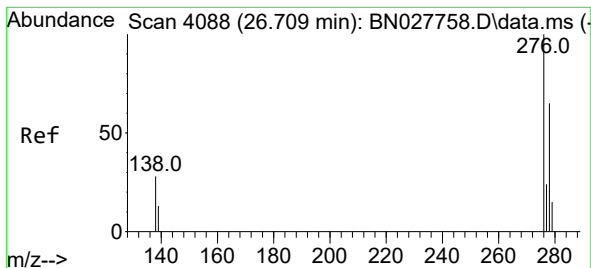
Tgt Ion:149 Resp: 10000
 Ion Ratio Lower Upper
 149 100
 167 30.8 21.4 32.2
 279 3.6 2.3 3.5#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.066 min Scan# 3184
 Delta R.T. -0.003 min
 Lab File: BN027778.D
 Acq: 21 Sep 2023 00:06

Tgt Ion:264 Resp: 20100
 Ion Ratio Lower Upper
 264 100
 260 29.9 21.0 31.6
 265 68.4 60.5 90.7





#36

Indeno(1,2,3-cd)pyrene

Concen: 1.860 ng

RT: 26.680 min Scan# 4088

Delta R.T. -0.029 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

Instrument :

BNA_N

ClientSampleId :

PILE-3

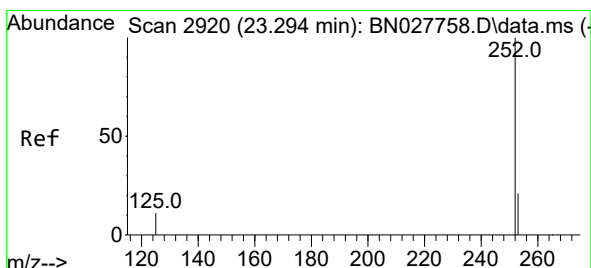
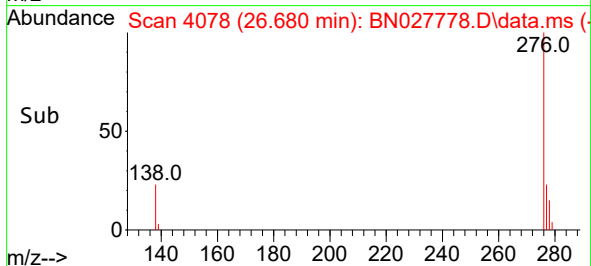
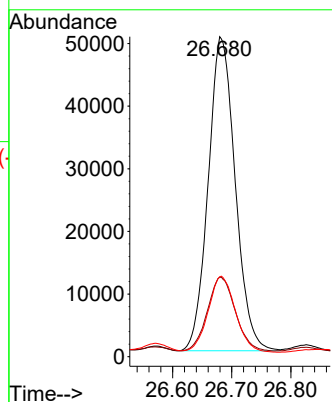
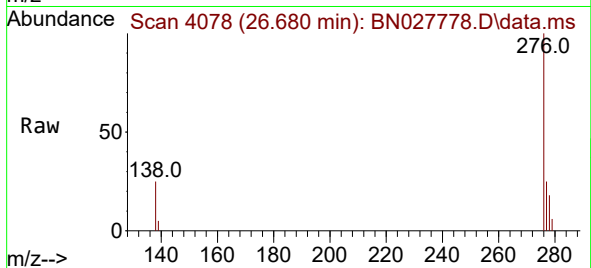
Tgt Ion:276 Resp: 159045

Ion Ratio Lower Upper

276 100

138 24.1 23.5 35.3

277 24.5 19.9 29.9



#37

Benzo(b)fluoranthene

Concen: 4.587 ng

RT: 23.294 min Scan# 2920

Delta R.T. -0.000 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

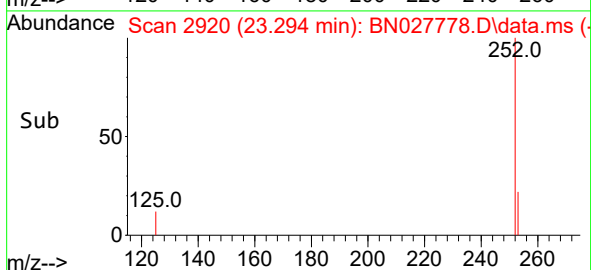
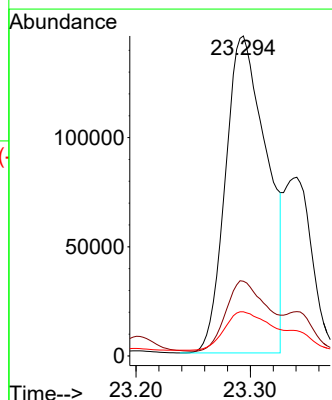
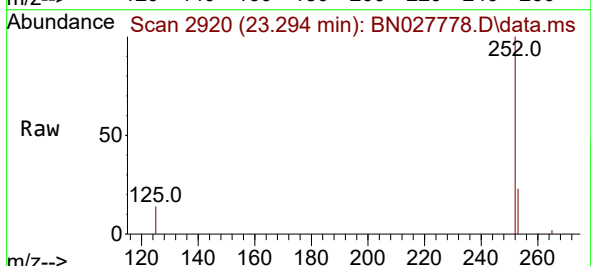
Tgt Ion:252 Resp: 364530

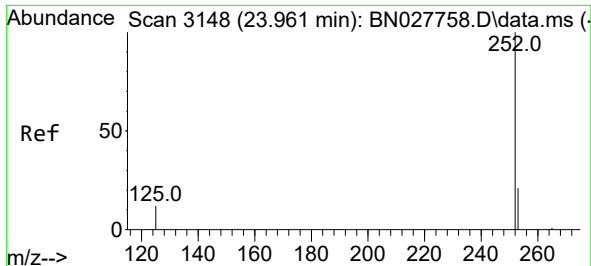
Ion Ratio Lower Upper

252 100

253 23.4 20.8 31.2

125 13.8 13.5 20.3





#39

Benzo(a)pyrene

Concen: 2.575 ng

RT: 23.841 min Scan# 31

Delta R.T. -0.120 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

Instrument :

BNA_N

ClientSampleId :

PILE-3

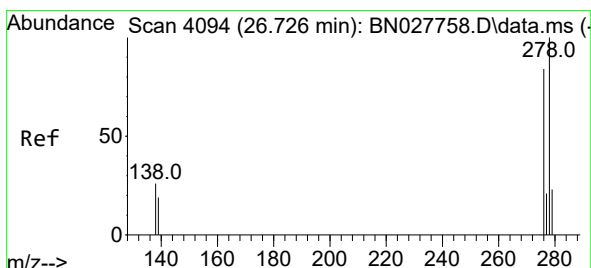
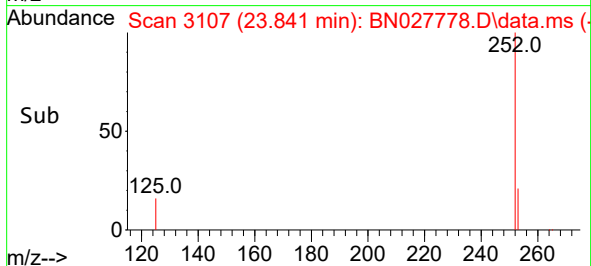
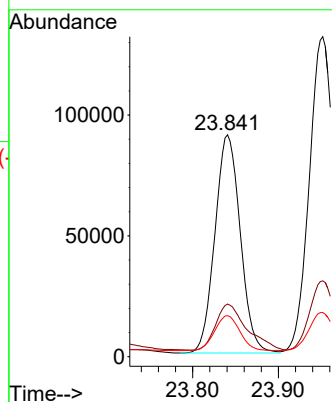
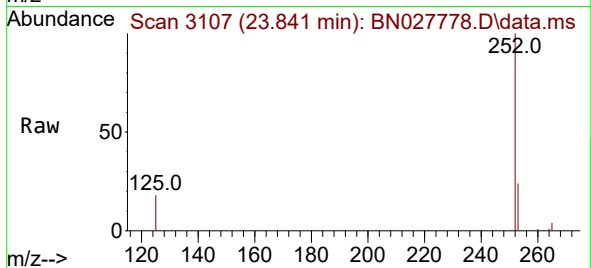
Tgt Ion:252 Resp: 185915

Ion Ratio Lower Upper

252 100

253 23.8 22.6 33.8

125 18.5 16.5 24.7



#40

Dibenzo(a,h)anthracene

Concen: 0.571 ng

RT: 26.700 min Scan# 4085

Delta R.T. -0.026 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

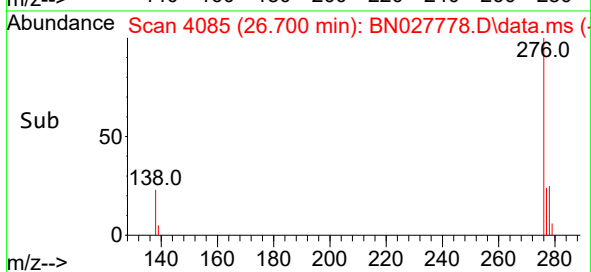
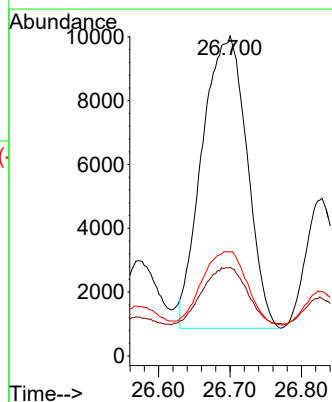
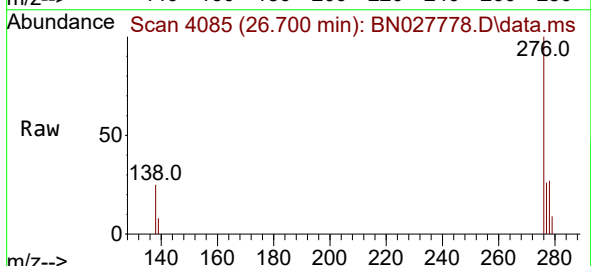
Tgt Ion:278 Resp: 39875

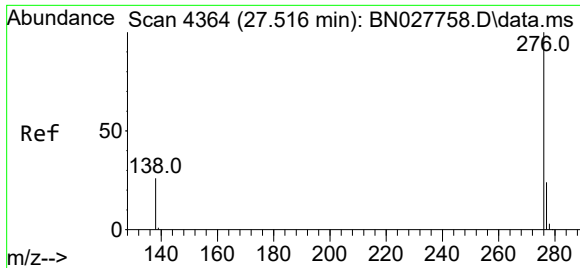
Ion Ratio Lower Upper

278 100

139 27.8 17.1 25.7#

279 32.4 22.2 33.2





#41
Benzo(g,h,i)perylene
Concen: 2.052 ng
RT: 27.510 min Scan# 41
Delta R.T. -0.006 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Instrument :
BNA_N
ClientSampleId :
PILE-3

Tgt Ion:276 Resp: 158442
Ion Ratio Lower Upper
276 100
277 24.7 20.4 30.6
138 25.5 21.9 32.9

