

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
 Data File : BN027775.D
 Acq On : 20 Sep 2023 22:16
 Operator : MA/JU
 Sample : 04367-02 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-2

Quant Time: Sep 21 04:23:56 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

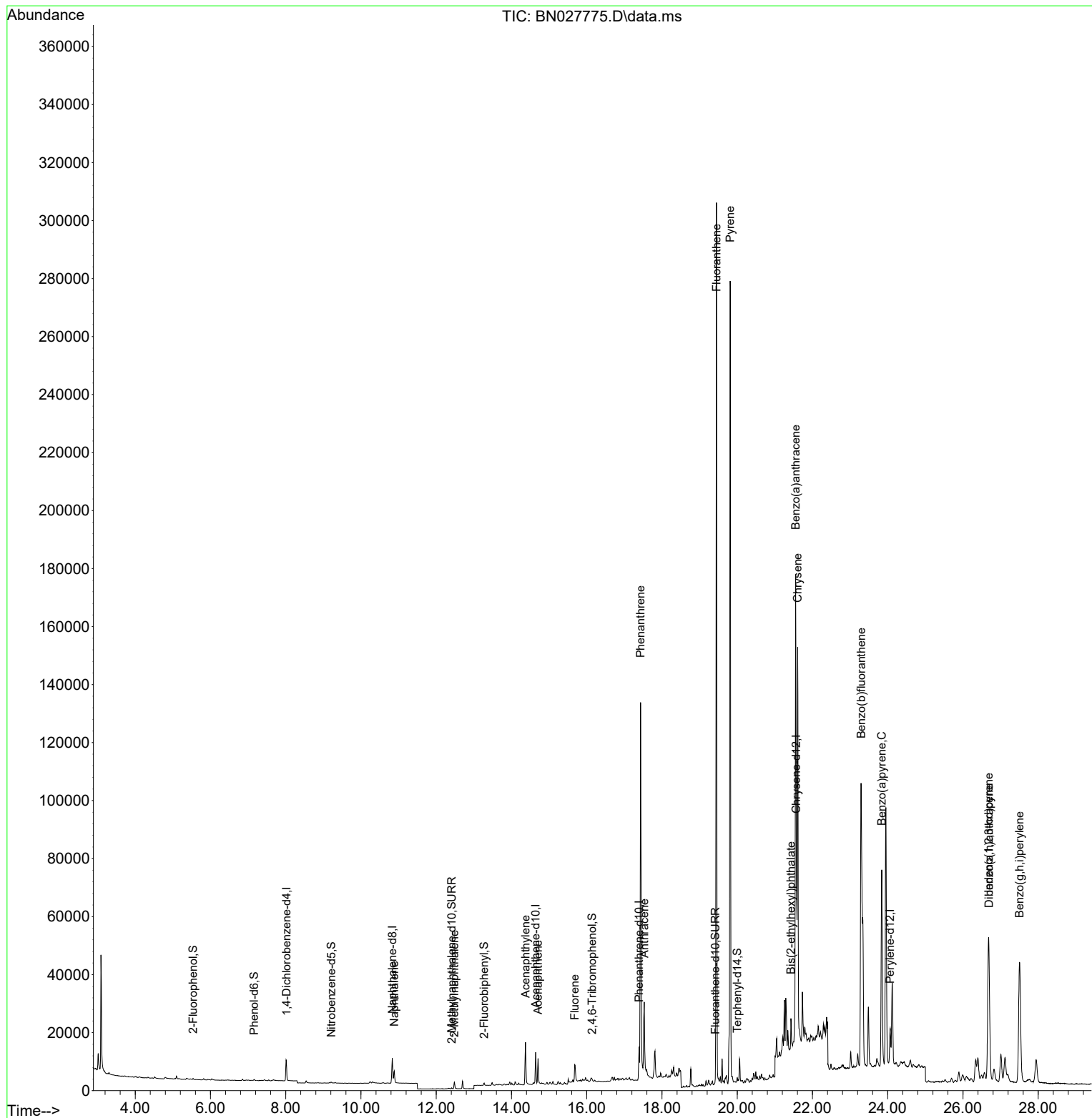
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.015	152	3742	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	12115	0.400	ng	0.00
13) Acenaphthene-d10	14.640	164	6680	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	17022	0.400	ng	# 0.00
29) Chrysene-d12	21.569	240	18976	0.400	ng	# 0.00
35) Perylene-d12	24.066	264	19776	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.538	112	335	0.035	ng	0.00
5) Phenol-d6	7.156	99	432	0.037	ng	0.00
8) Nitrobenzene-d5	9.208	82	422	0.044	ng	0.00
11) 2-Methylnaphthalene-d10	12.411	152	530	0.030	ng	0.00
14) 2,4,6-Tribromophenol	16.139	330	95	0.033	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	851	0.038	ng	0.00
27) Fluoranthene-d10	19.416	212	1671	0.038	ng	0.00
31) Terphenyl-d14	20.001	244	1606	0.044	ng	0.00
Target Compounds						
9) Naphthalene	10.885	128	5670	0.169	ng	98
12) 2-Methylnaphthalene	12.483	142	1991	0.085	ng	# 94
16) Acenaphthylene	14.373	152	17954	0.629	ng	100
17) Acenaphthene	14.704	154	4374	0.216	ng	97
18) Fluorene	15.680	166	6470	0.220	ng	97
24) Pentachlorophenol	17.033	266	77	Below Cal		93
25) Phenanthrene	17.430	178	144400	2.900	ng	100
26) Anthracene	17.530	178	37145	0.871	ng	97
28) Fluoranthene	19.448	202	275264	4.498	ng	100
30) Pyrene	19.816	202	262095	3.845	ng	99
32) Benzo(a)anthracene	21.551	228	151447	2.300	ng	98
33) Chrysene	21.605	228	134715	1.858	ng	97
34) Bis(2-ethylhexyl)phtha...	21.426	149	10002	0.343	ng	96
36) Indeno(1,2,3-cd)pyrene	26.682	276	93747	1.114	ng	94
37) Benzo(b)fluoranthene	23.291	252	188106	2.406	ng	94
39) Benzo(a)pyrene	23.841	252	105673	1.487	ng	95
40) Dibenzo(a,h)anthracene	26.691	278	20710	0.302	ng	# 84
41) Benzo(g,h,i)perylene	27.504	276	100697	1.326	ng	98

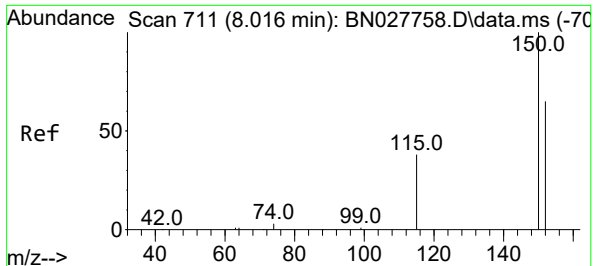
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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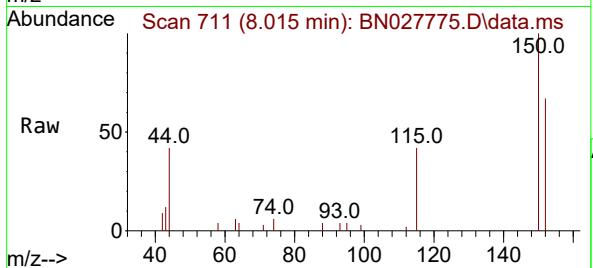
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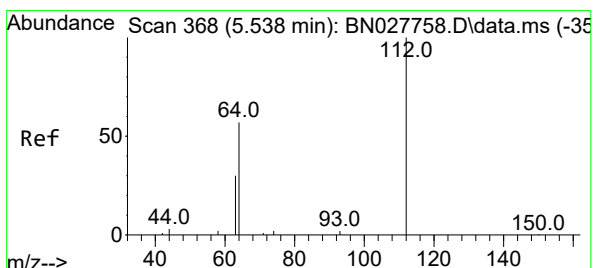
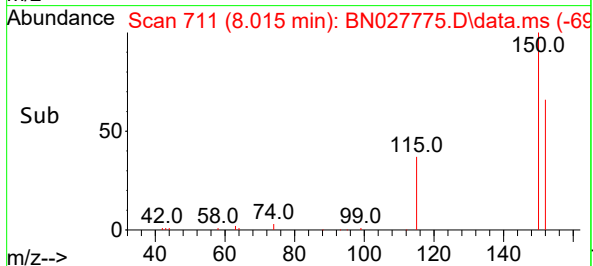
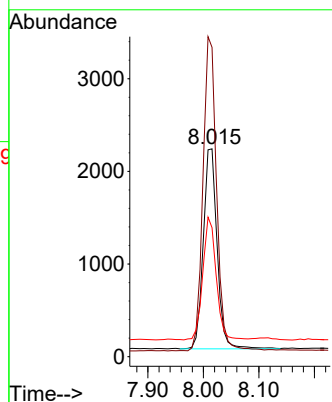
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.015 min Scan# 711
 Delta R.T. -0.001 min
 Lab File: BN027775.D
 Acq: 20 Sep 2023 22:16

Instrument :
 BNA_N
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Tgt Ion:152 Resp: 3742

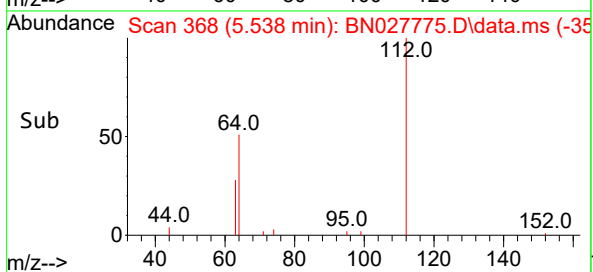
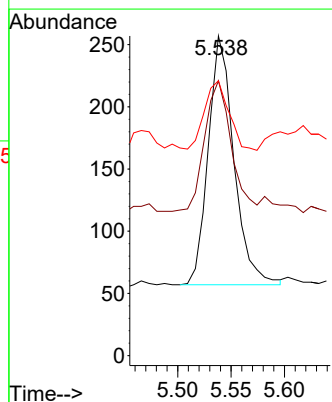
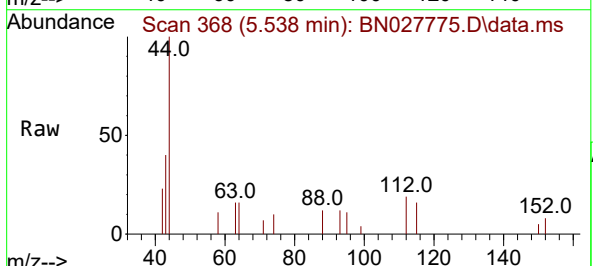
Ion	Ratio	Lower	Upper
152	100		
150	148.8	120.2	180.2
115	62.0	54.5	81.7

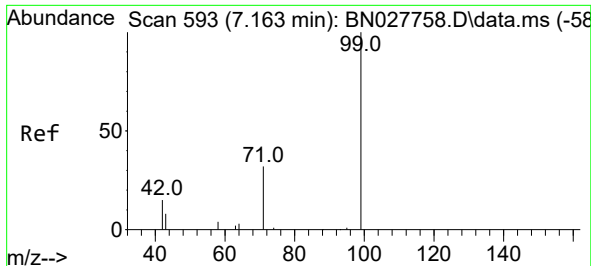


#4
 2-Fluorophenol
 Concen: 0.035 ng
 RT: 5.538 min Scan# 368
 Delta R.T. -0.000 min
 Lab File: BN027775.D
 Acq: 20 Sep 2023 22:16

Tgt Ion:112 Resp: 335

Ion	Ratio	Lower	Upper
112	100		
64	53.7	46.1	69.1
63	27.5	24.0	36.0

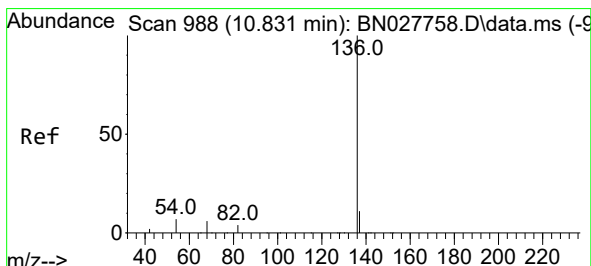
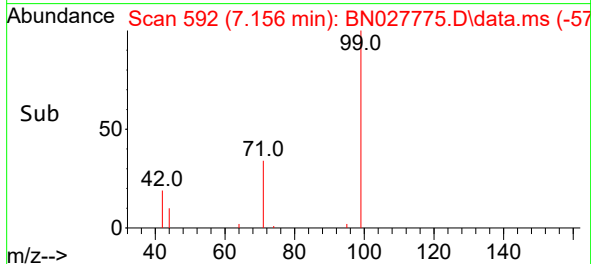
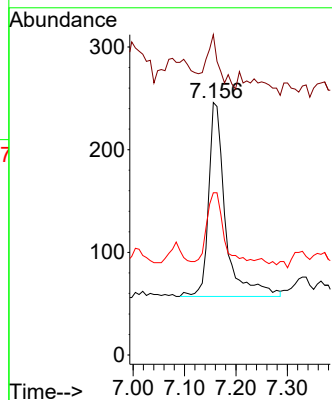
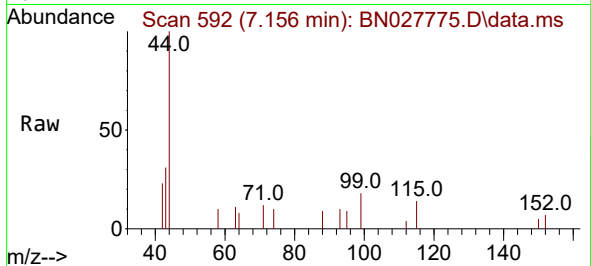




#5
Phenol-d6
Concen: 0.037 ng
RT: 7.156 min Scan# 592
Delta R.T. -0.007 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

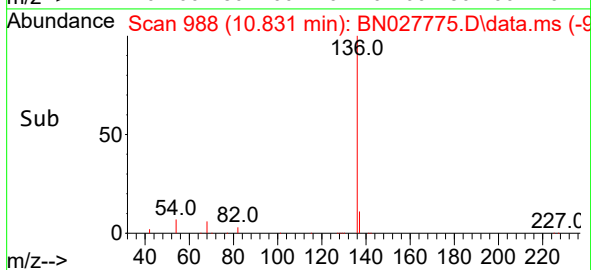
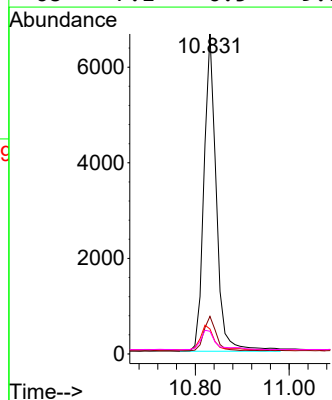
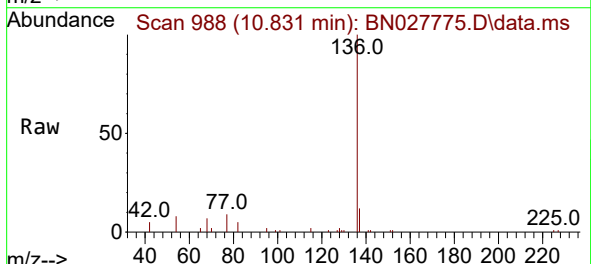
Instrument :
BNA_N
ClientSampleId :
PILE-2

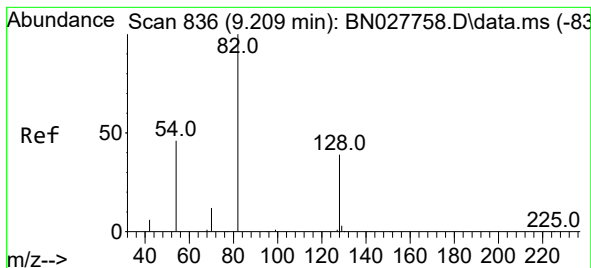
Tgt Ion: 99 Resp: 432
Ion Ratio Lower Upper
99 100
42 20.6 16.6 25.0
71 33.1 28.1 42.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

Tgt Ion: 136 Resp: 12115
Ion Ratio Lower Upper
136 100
137 11.7 10.1 15.1
54 7.8 7.4 11.0
68 7.1 6.5 9.7

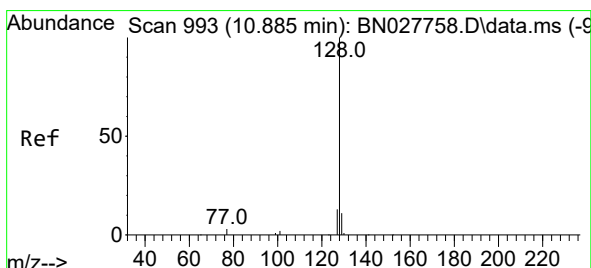
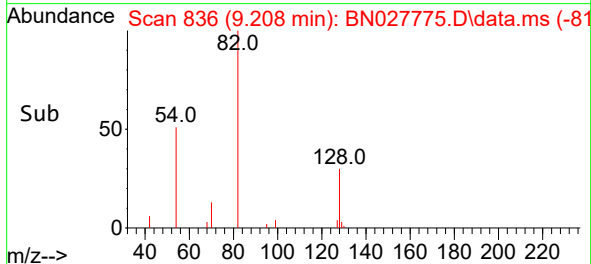
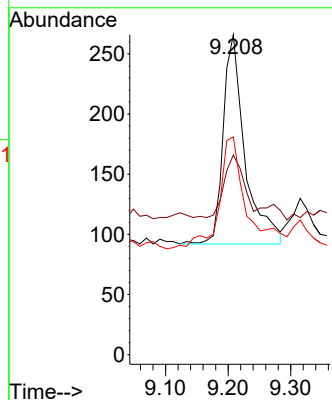
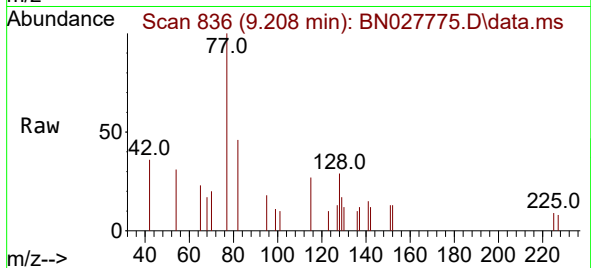




#8
Nitrobenzene-d5
Concen: 0.044 ng
RT: 9.208 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

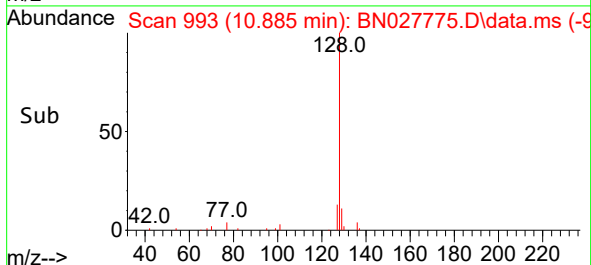
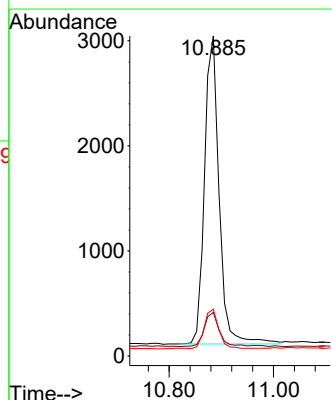
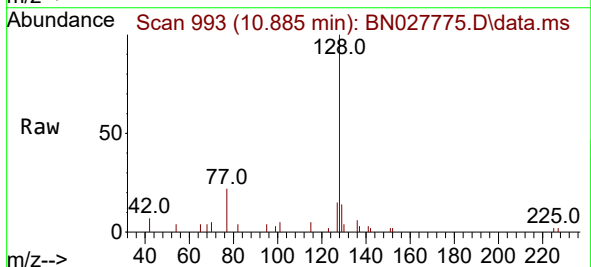
Instrument :
BNA_N
ClientSampleId :
PILE-2

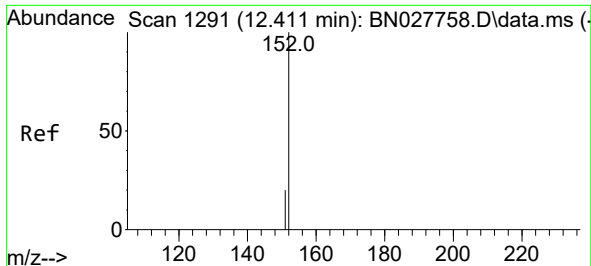
Tgt Ion: 82 Resp: 422
Ion Ratio Lower Upper
82 100
128 62.4 36.8 55.2#
54 68.0 39.9 59.9#



#9
Naphthalene
Concen: 0.169 ng
RT: 10.885 min Scan# 993
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

Tgt Ion: 128 Resp: 5670
Ion Ratio Lower Upper
128 100
129 13.6 10.2 15.2
127 14.6 11.1 16.7





#11

2-Methylnaphthalene-d10

Concen: 0.030 ng

RT: 12.411 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

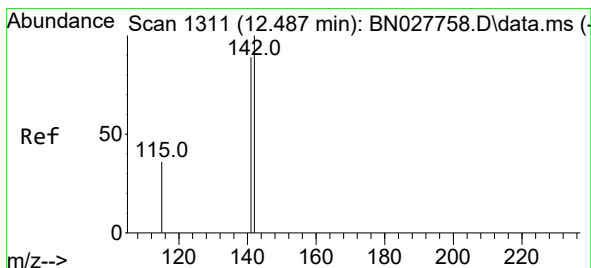
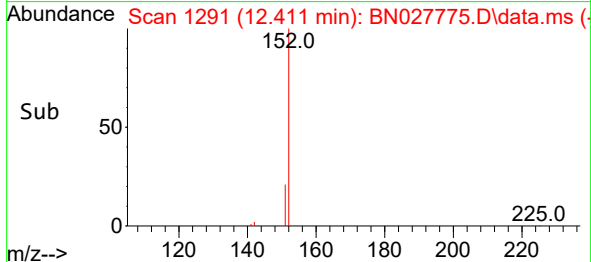
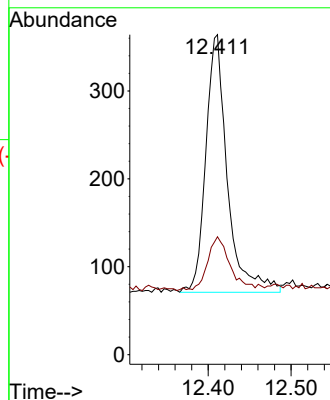
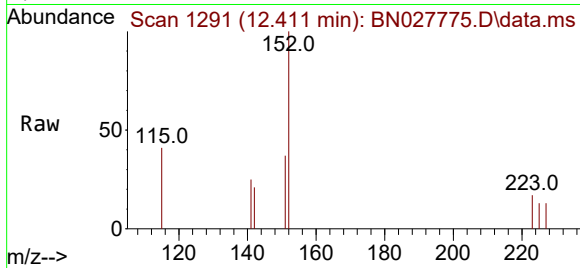
PILE-2

Tgt Ion:152 Resp: 530

Ion Ratio Lower Upper

152 100

151 20.6 15.6 23.4



#12

2-Methylnaphthalene

Concen: 0.085 ng

RT: 12.483 min Scan# 1310

Delta R.T. -0.004 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

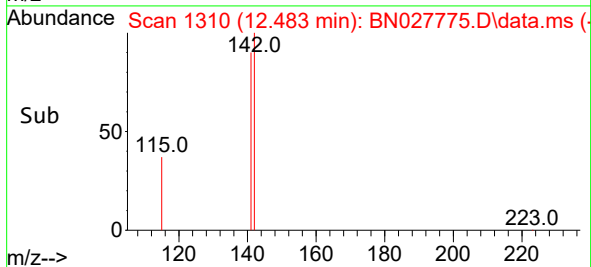
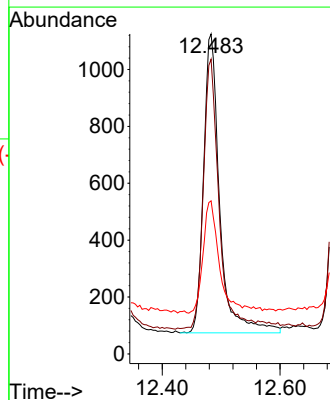
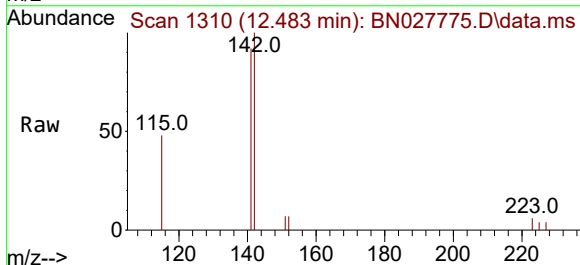
Tgt Ion:142 Resp: 1991

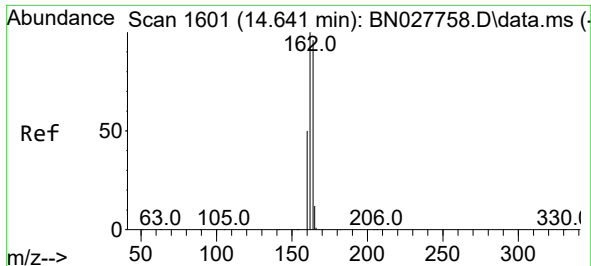
Ion Ratio Lower Upper

142 100

141 92.1 71.5 107.3

115 47.8 31.8 47.6#

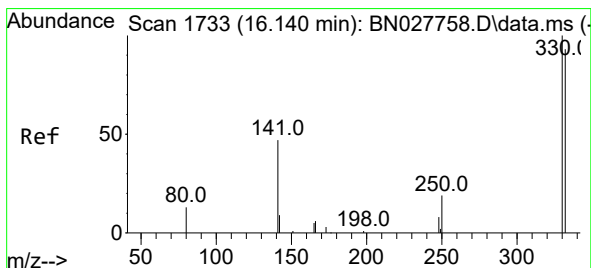
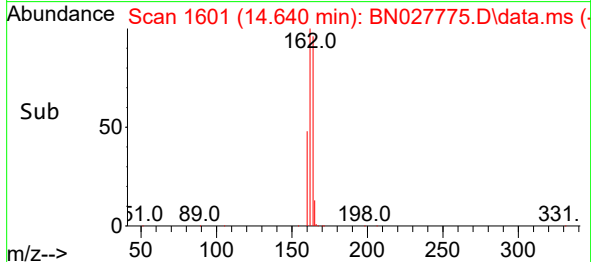
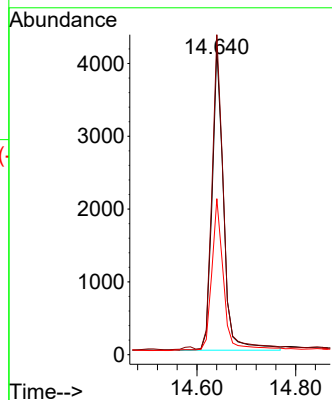
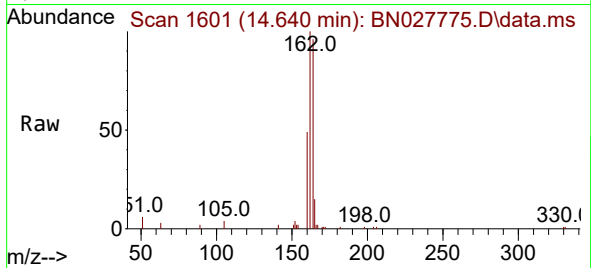




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.640 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

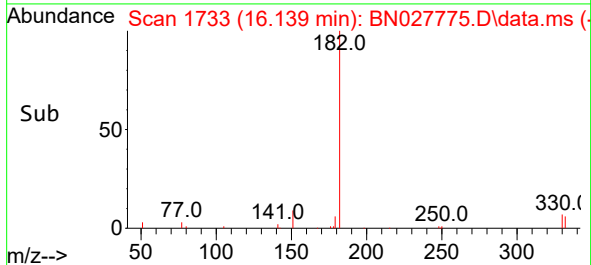
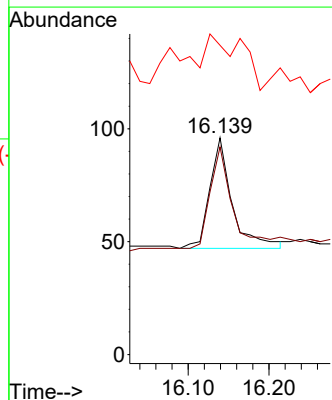
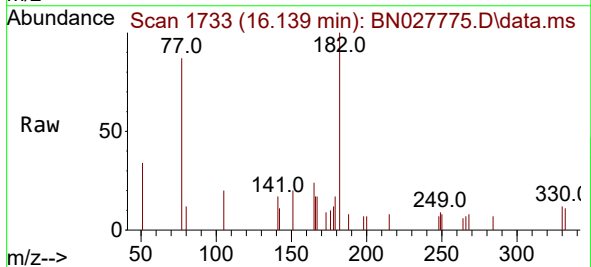
Instrument :
BNA_N
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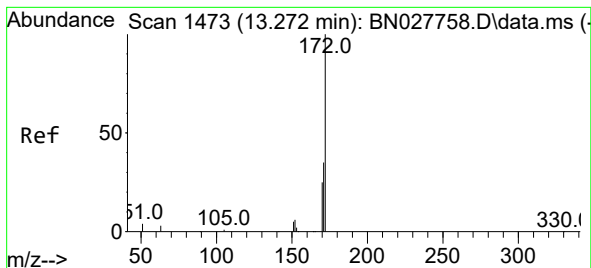
Tgt Ion:164 Resp: 6680
Ion Ratio Lower Upper
164 100
162 104.4 83.6 125.4
160 50.9 42.6 64.0



#14
2,4,6-Tribromophenol
Concen: 0.033 ng
RT: 16.139 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

Tgt Ion:330 Resp: 95
Ion Ratio Lower Upper
330 100
332 100.0 77.0 115.4
141 54.7 38.1 57.1





#15

2-Fluorobiphenyl

Concen: 0.038 ng

RT: 13.272 min Scan# 1473

Delta R.T. -0.000 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

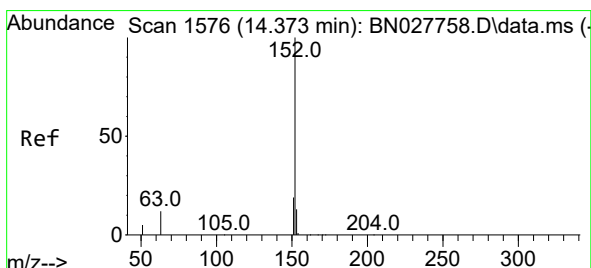
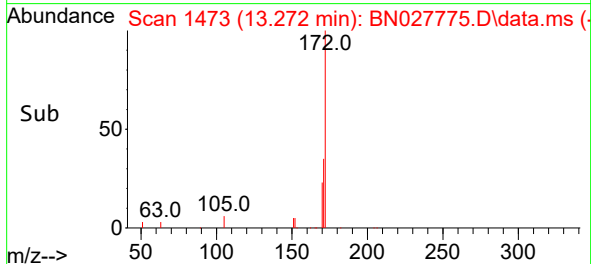
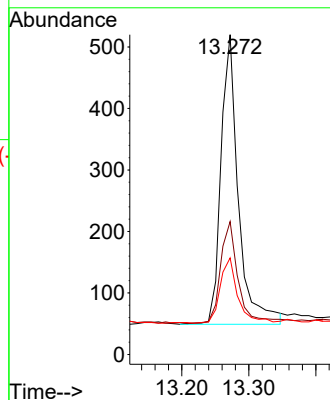
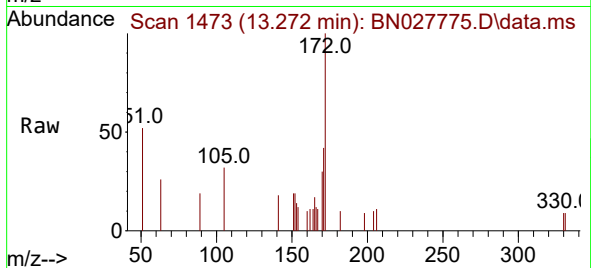
Tgt Ion:172 Resp: 851

Ion Ratio Lower Upper

172 100

171 41.5 29.3 43.9

170 30.2 20.8 31.2



#16

Acenaphthylene

Concen: 0.629 ng

RT: 14.373 min Scan# 1576

Delta R.T. -0.000 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

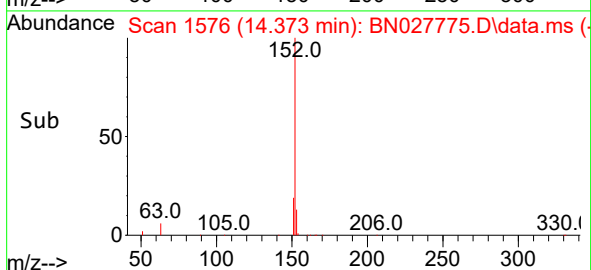
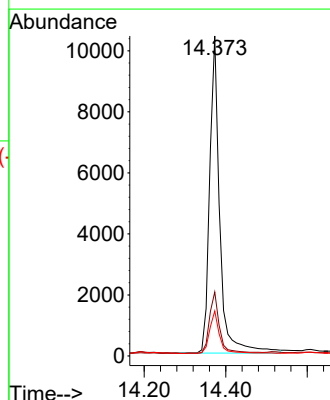
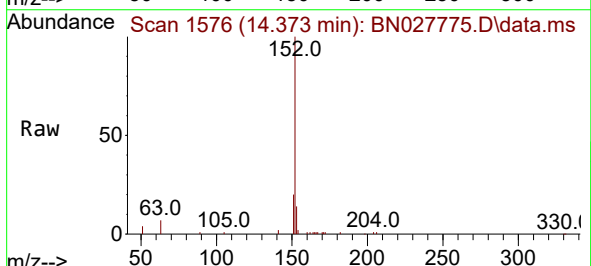
Tgt Ion:152 Resp: 17954

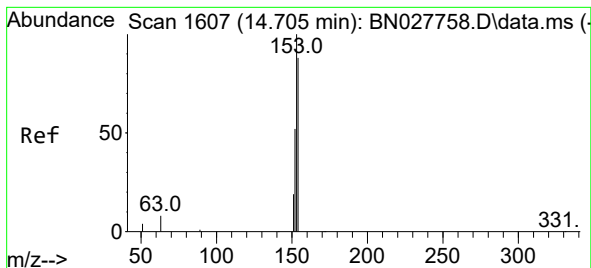
Ion Ratio Lower Upper

152 100

151 19.6 15.4 23.2

153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.216 ng

RT: 14.704 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

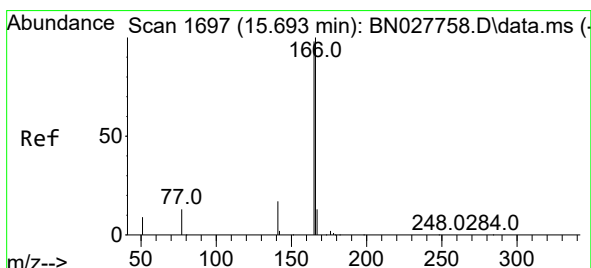
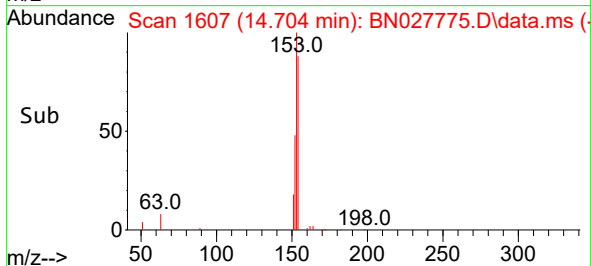
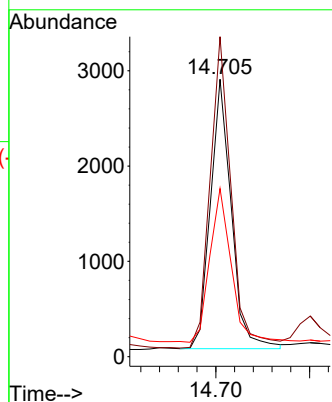
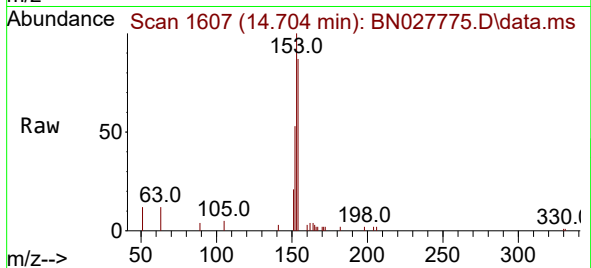
Tgt Ion:154 Resp: 4374

Ion Ratio Lower Upper

154 100

153 116.8 91.0 136.6

152 57.7 47.4 71.2



#18

Fluorene

Concen: 0.220 ng

RT: 15.680 min Scan# 1696

Delta R.T. -0.013 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

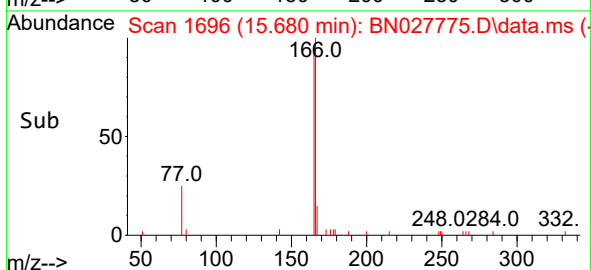
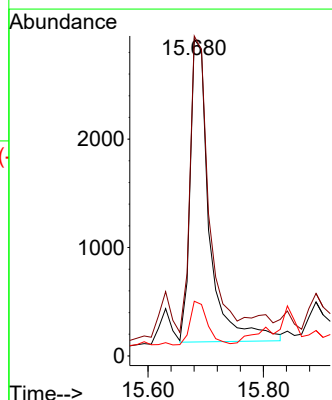
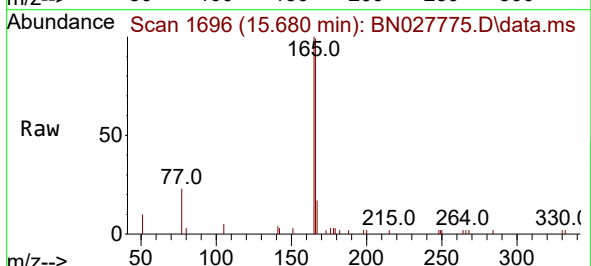
Tgt Ion:166 Resp: 6470

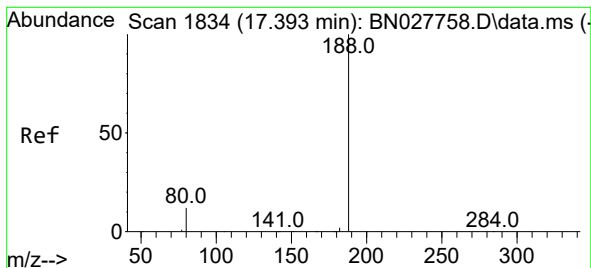
Ion Ratio Lower Upper

166 100

165 96.0 79.3 118.9

167 13.4 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: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

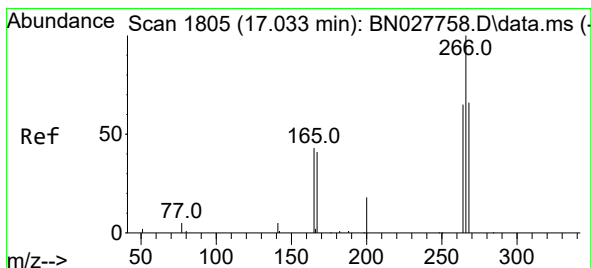
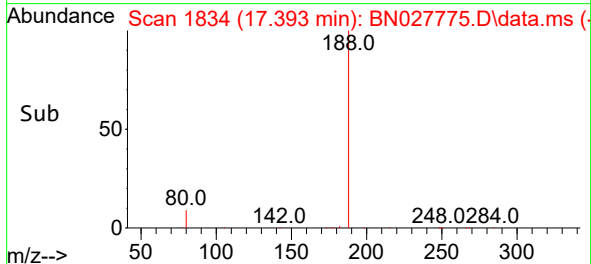
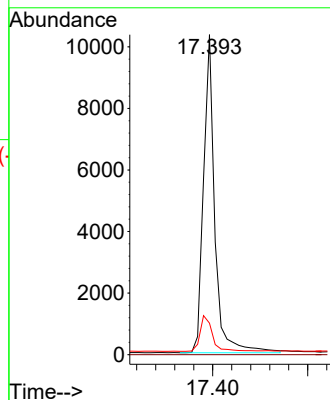
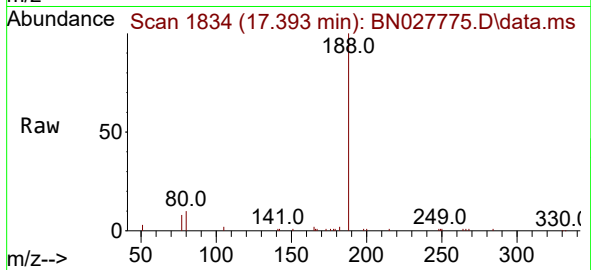
Tgt Ion:188 Resp: 17022

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 10.6 16.0#



#24

Pentachlorophenol

Concen: Below Cal

RT: 17.033 min Scan# 1805

Delta R.T. 0.000 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

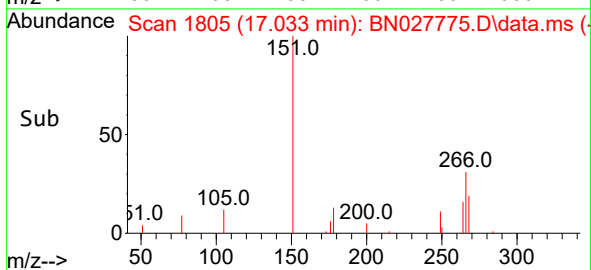
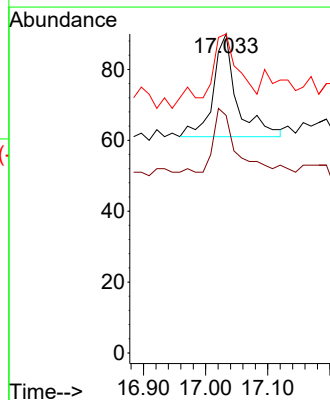
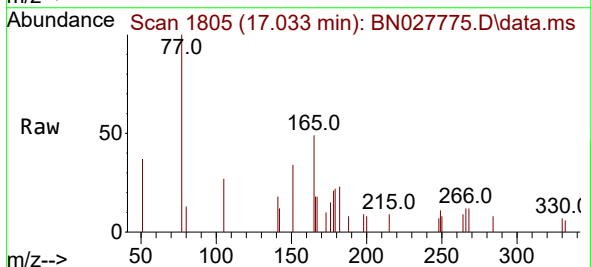
Tgt Ion:266 Resp: 77

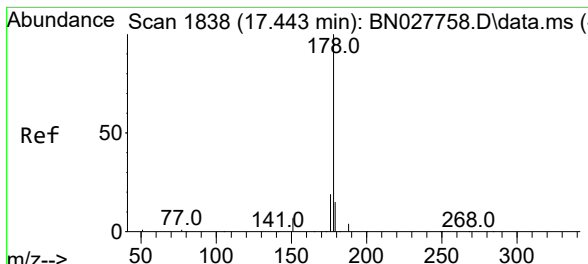
Ion Ratio Lower Upper

266 100

264 59.7 50.8 76.2

268 58.4 53.0 79.6



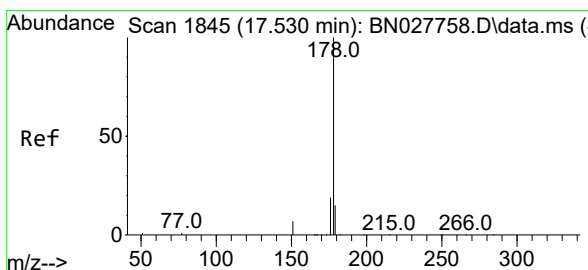
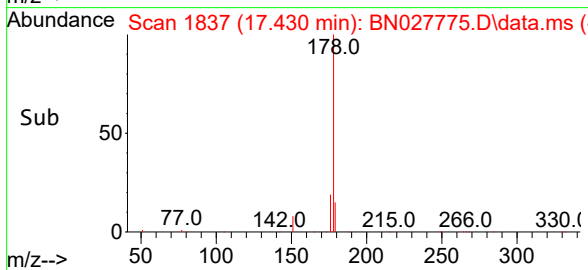
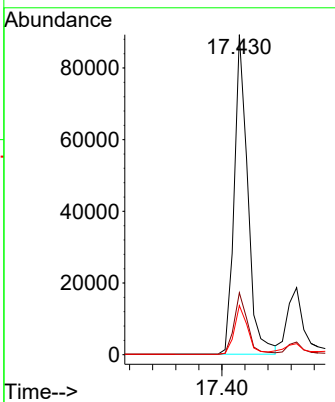
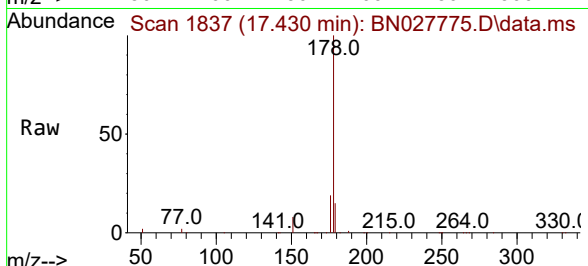


#25
 Phenanthrene
 Concen: 2.900 ng
 RT: 17.430 min Scan# 1837
 Delta R.T. -0.013 min
 Lab File: BN027775.D
 Acq: 20 Sep 2023 22:16

Instrument : BNA_N
 ClientSampleId : PILE-2

Tgt Ion:178 Resp: 144400

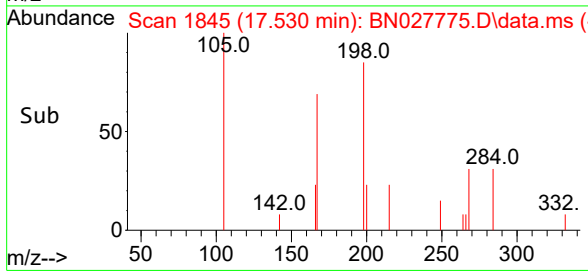
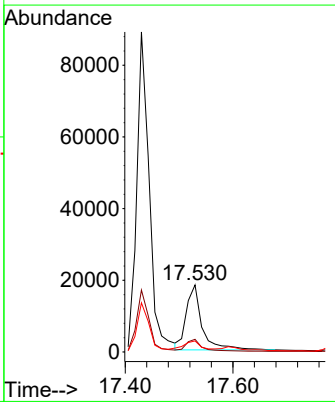
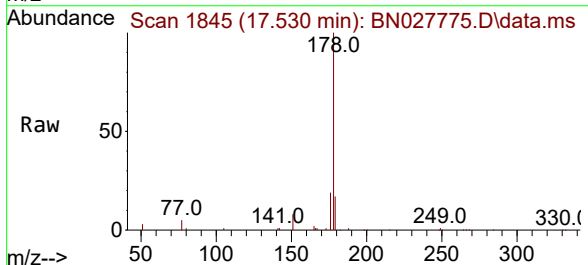
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.2	12.3	18.5

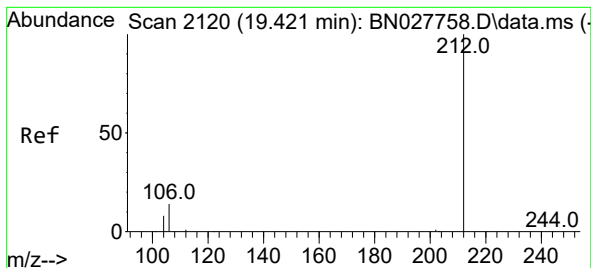


#26
 Anthracene
 Concen: 0.871 ng
 RT: 17.530 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: BN027775.D
 Acq: 20 Sep 2023 22:16

Tgt Ion:178 Resp: 37145

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.2	22.8
179	13.5	12.2	18.2





#27

Fluoranthene-d10

Concen: 0.038 ng

RT: 19.416 min Scan# 2119

Delta R.T. -0.005 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

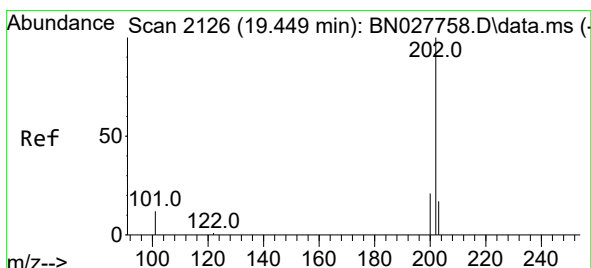
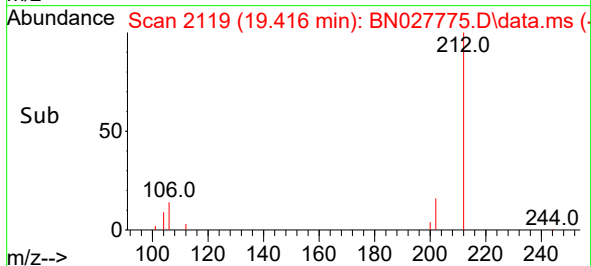
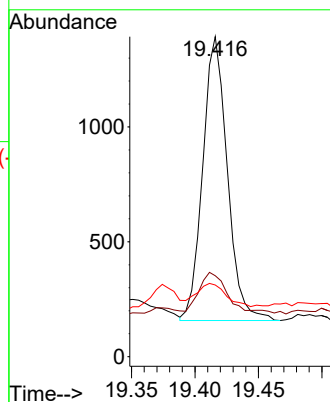
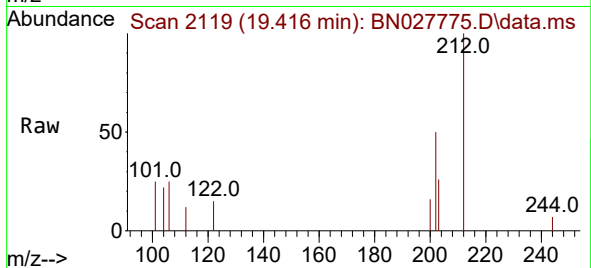
Tgt Ion:212 Resp: 1671

Ion Ratio Lower Upper

212 100

106 14.6 12.2 18.2

104 10.8 7.0 10.4#



#28

Fluoranthene

Concen: 4.498 ng

RT: 19.448 min Scan# 2126

Delta R.T. -0.000 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

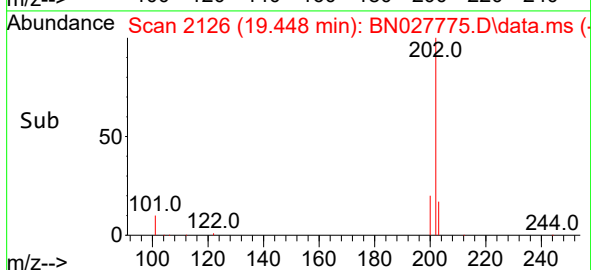
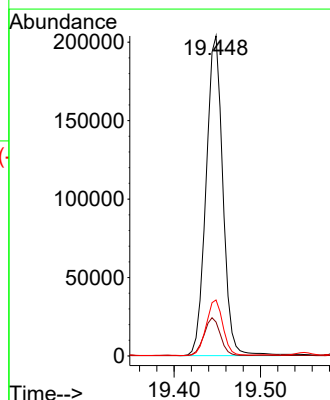
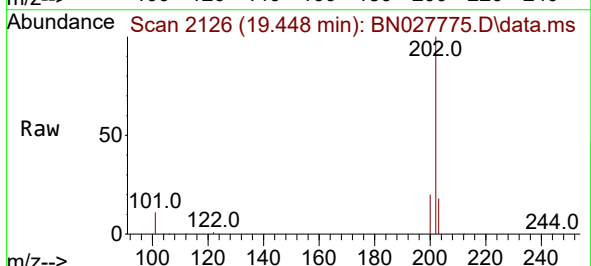
Tgt Ion:202 Resp: 275264

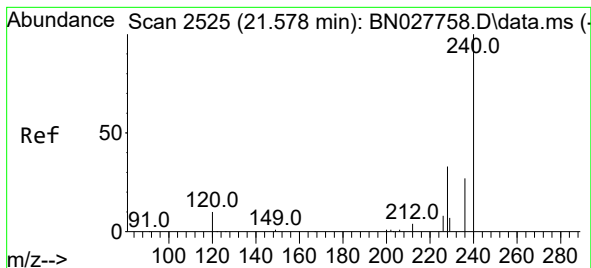
Ion Ratio Lower Upper

202 100

101 11.7 9.6 14.4

203 17.3 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.569 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

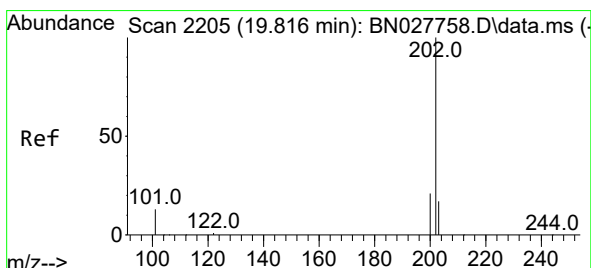
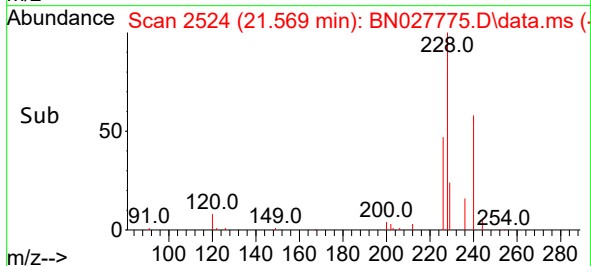
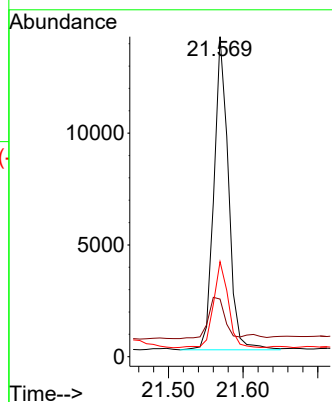
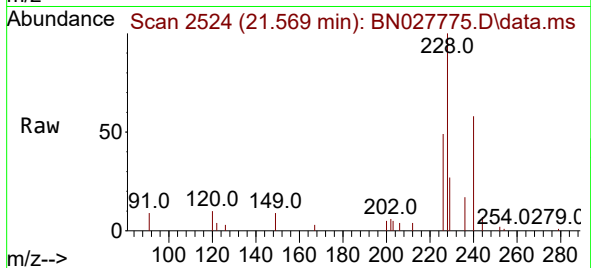
Tgt Ion:240 Resp: 18976

Ion Ratio Lower Upper

240 100

120 18.0 11.2 16.8#

236 29.7 22.8 34.2



#30

Pyrene

Concen: 3.845 ng

RT: 19.816 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

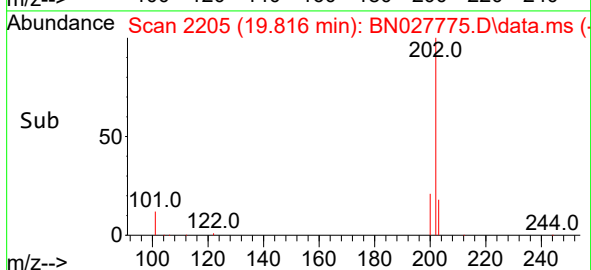
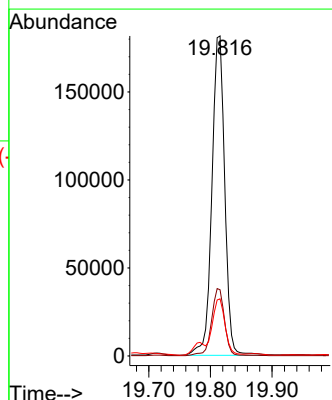
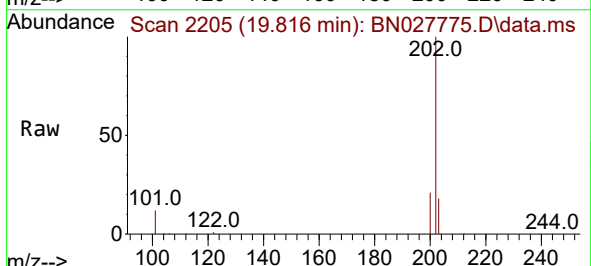
Tgt Ion:202 Resp: 262095

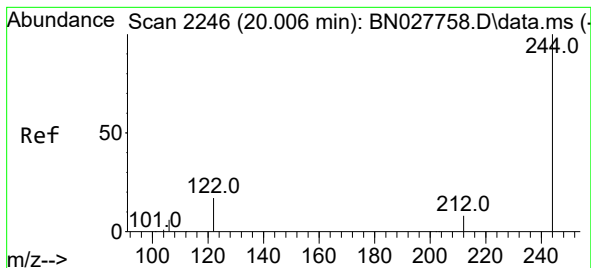
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.2 14.2 21.4





#31

Terphenyl-d14

Concen: 0.044 ng

RT: 20.001 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

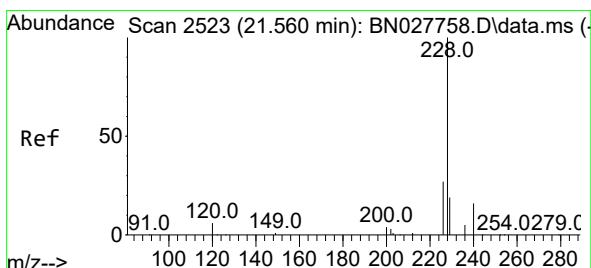
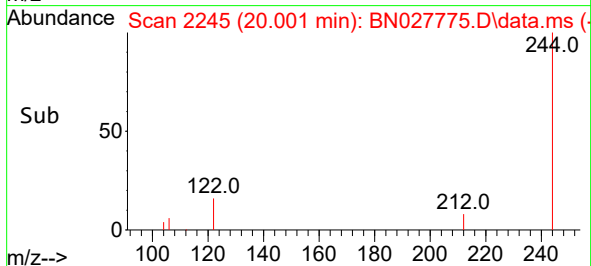
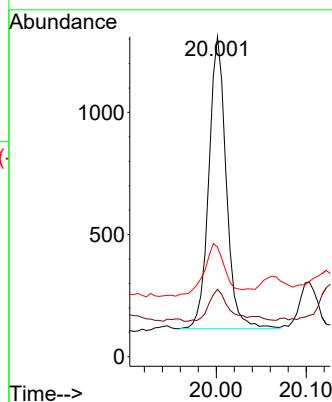
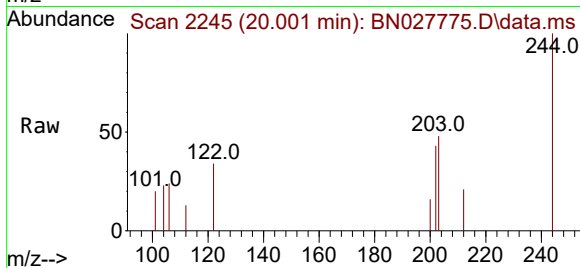
Tgt Ion:244 Resp: 1606

Ion Ratio Lower Upper

244 100

212 21.1 7.5 11.3#

122 34.2 13.9 20.9#



#32

Benzo(a)anthracene

Concen: 2.300 ng

RT: 21.551 min Scan# 2522

Delta R.T. -0.009 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

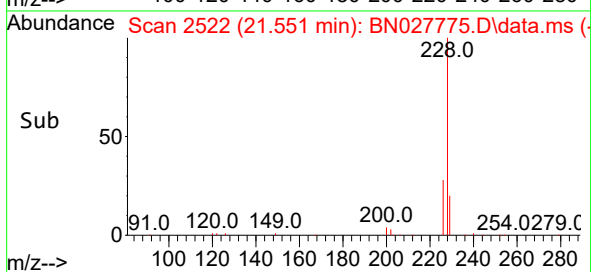
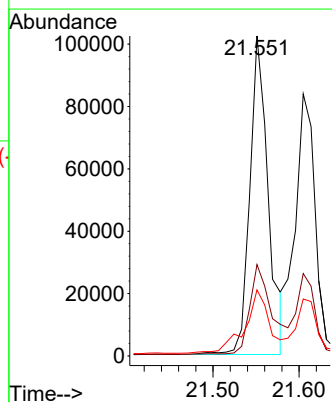
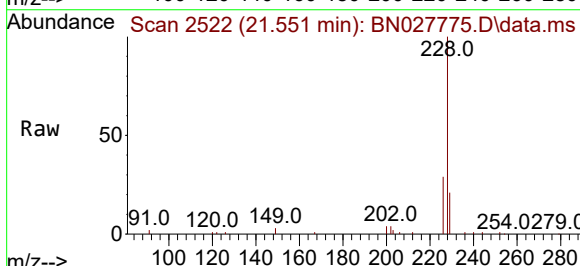
Tgt Ion:228 Resp: 151447

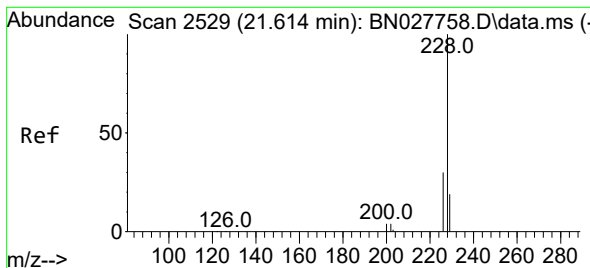
Ion Ratio Lower Upper

228 100

226 28.6 21.9 32.9

229 20.7 15.8 23.6





#33

Chrysene

Concen: 1.858 ng

RT: 21.605 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

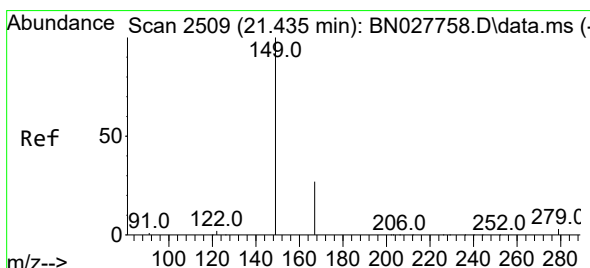
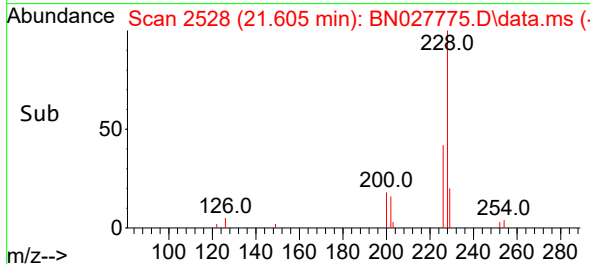
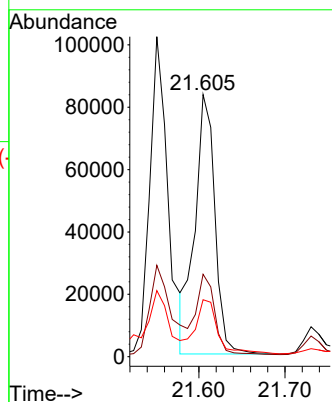
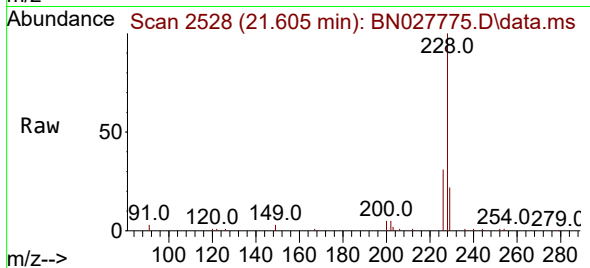
Tgt Ion:228 Resp: 134715

Ion Ratio Lower Upper

228 100

226 31.4 24.2 36.4

229 21.7 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.343 ng

RT: 21.426 min Scan# 2508

Delta R.T. -0.009 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

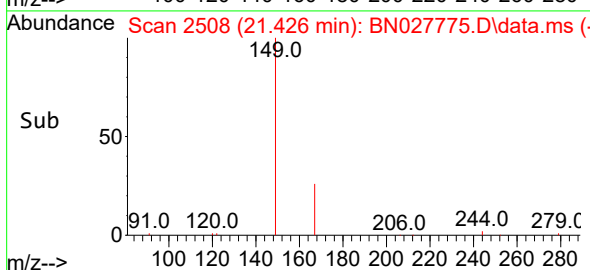
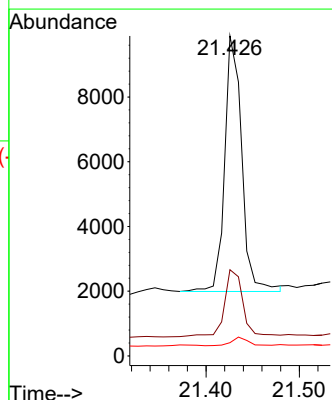
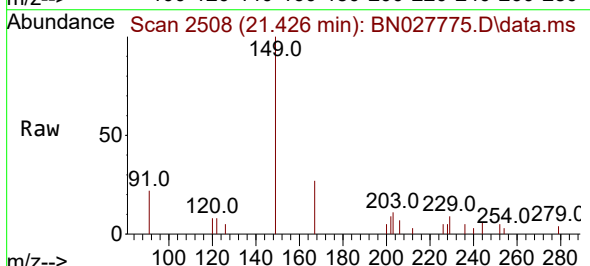
Tgt Ion:149 Resp: 10002

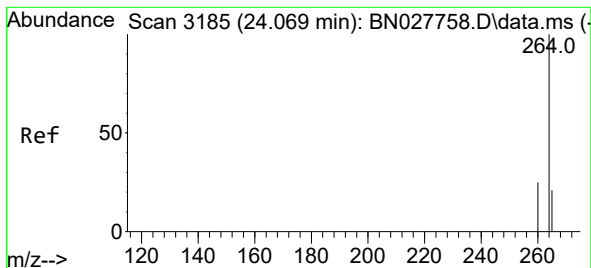
Ion Ratio Lower Upper

149 100

167 29.0 21.4 32.2

279 3.3 2.3 3.5





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

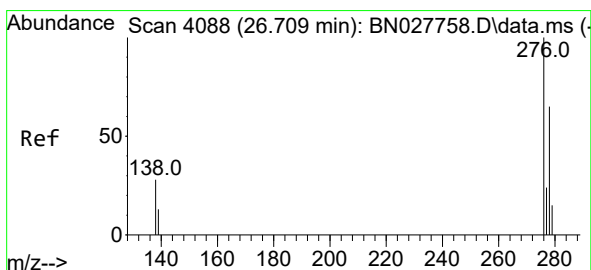
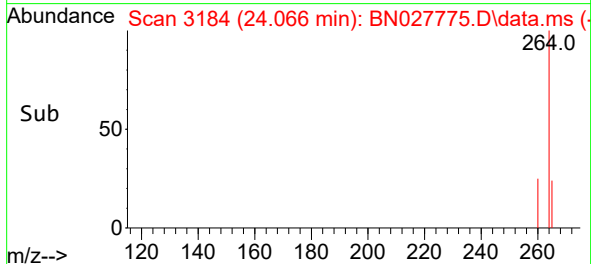
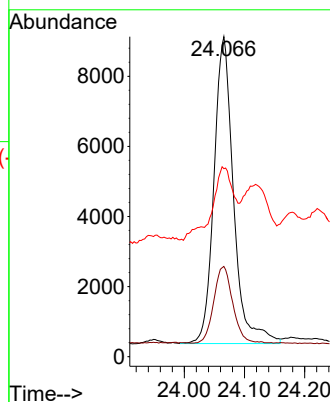
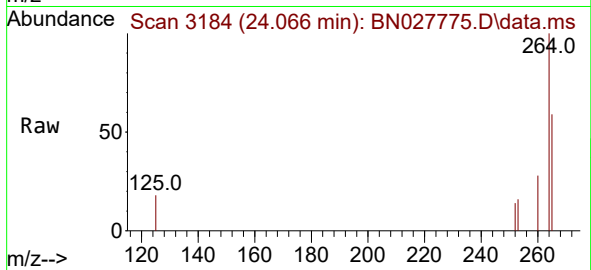
Tgt Ion:264 Resp: 19776

Ion Ratio Lower Upper

264 100

260 28.2 21.0 31.6

265 58.8 60.5 90.7#



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.114 ng

RT: 26.682 min Scan# 4079

Delta R.T. -0.026 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

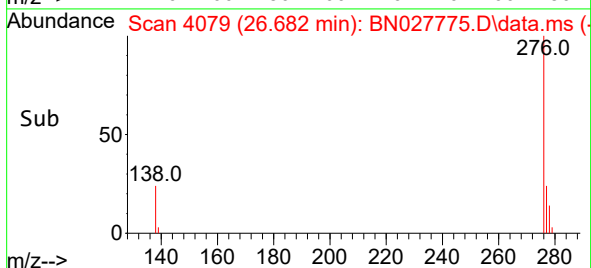
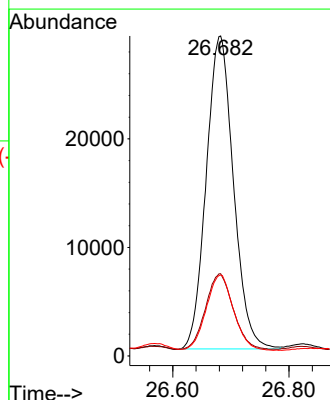
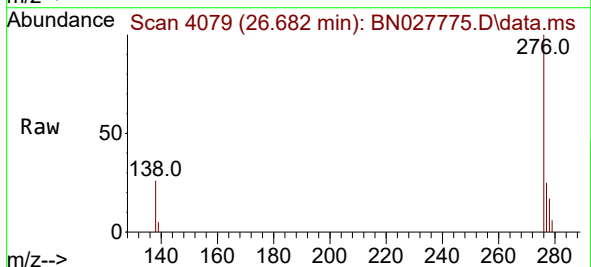
Tgt Ion:276 Resp: 93747

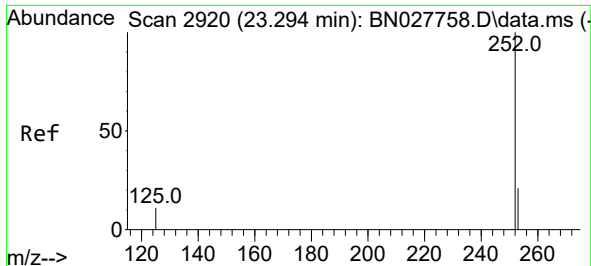
Ion Ratio Lower Upper

276 100

138 24.3 23.5 35.3

277 24.2 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 2.406 ng

RT: 23.291 min Scan# 2919

Delta R.T. -0.003 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2

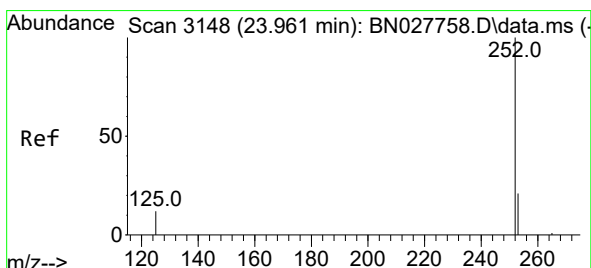
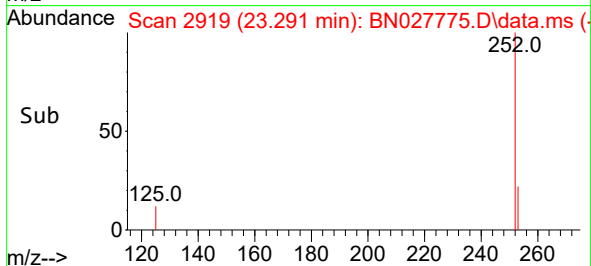
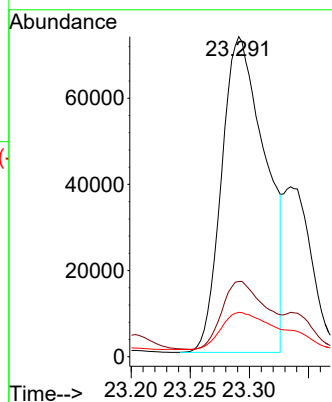
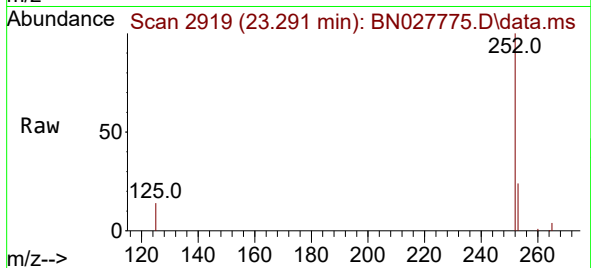
Tgt Ion:252 Resp: 188106

Ion Ratio Lower Upper

252 100

253 23.5 20.8 31.2

125 13.9 13.5 20.3



#39

Benzo(a)pyrene

Concen: 1.487 ng

RT: 23.841 min Scan# 3107

Delta R.T. -0.120 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

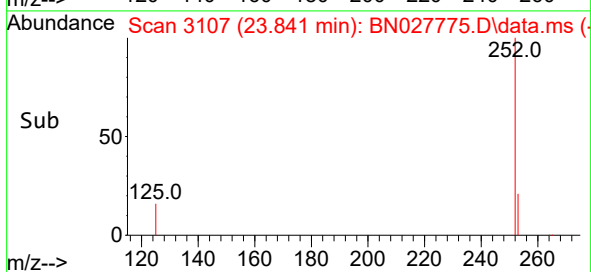
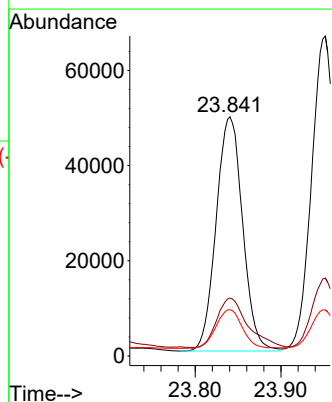
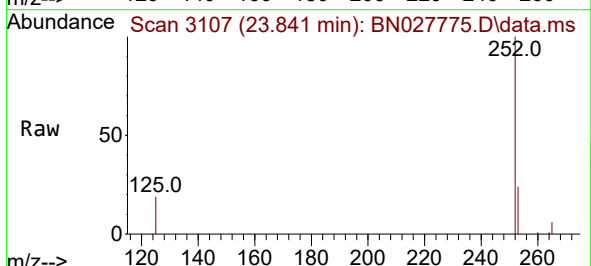
Tgt Ion:252 Resp: 105673

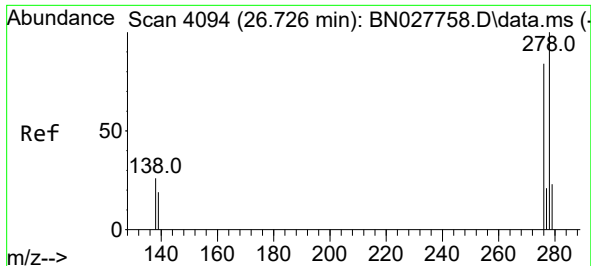
Ion Ratio Lower Upper

252 100

253 24.2 22.6 33.8

125 19.3 16.5 24.7

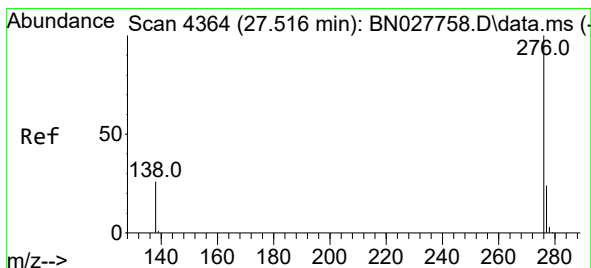
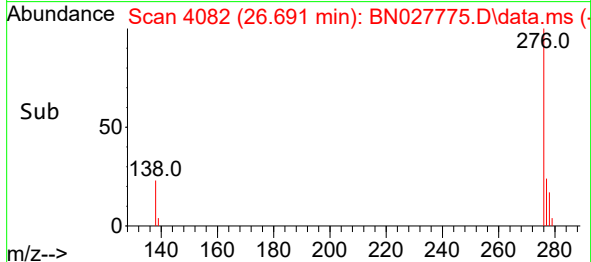
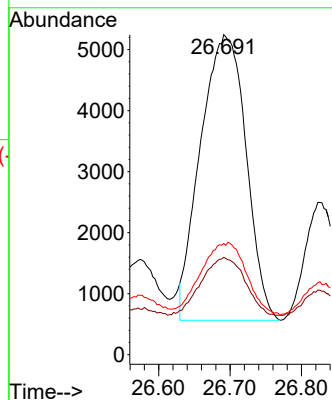
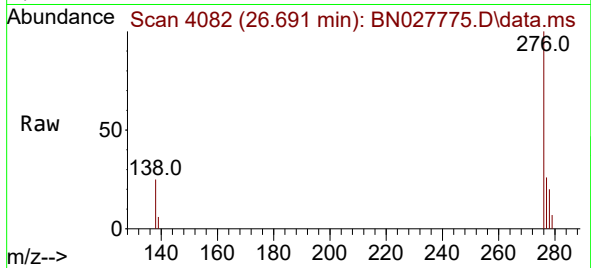




#40
Dibenzo(a,h)anthracene
Concen: 0.302 ng
RT: 26.691 min Scan# 40
Delta R.T. -0.035 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

Instrument :
BNA_N
ClientSampleId :
PILE-2

Tgt Ion:278 Resp: 20710
Ion Ratio Lower Upper
278 100
139 30.4 17.1 25.7#
279 34.7 22.2 33.2#



#41
Benzo(g,h,i)perylene
Concen: 1.326 ng
RT: 27.504 min Scan# 4360
Delta R.T. -0.012 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

Tgt Ion:276 Resp: 100697
Ion Ratio Lower Upper
276 100
277 24.7 20.4 30.6
138 26.5 21.9 32.9

