

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100824\
 Data File : BN034489.D
 Acq On : 09 Oct 2024 04:20
 Operator : RC/JU
 Sample : P4226-14
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT205S1-20240925

Quant Time: Oct 09 04:47:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 26 14:44:02 2024
 Response via : Initial Calibration

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

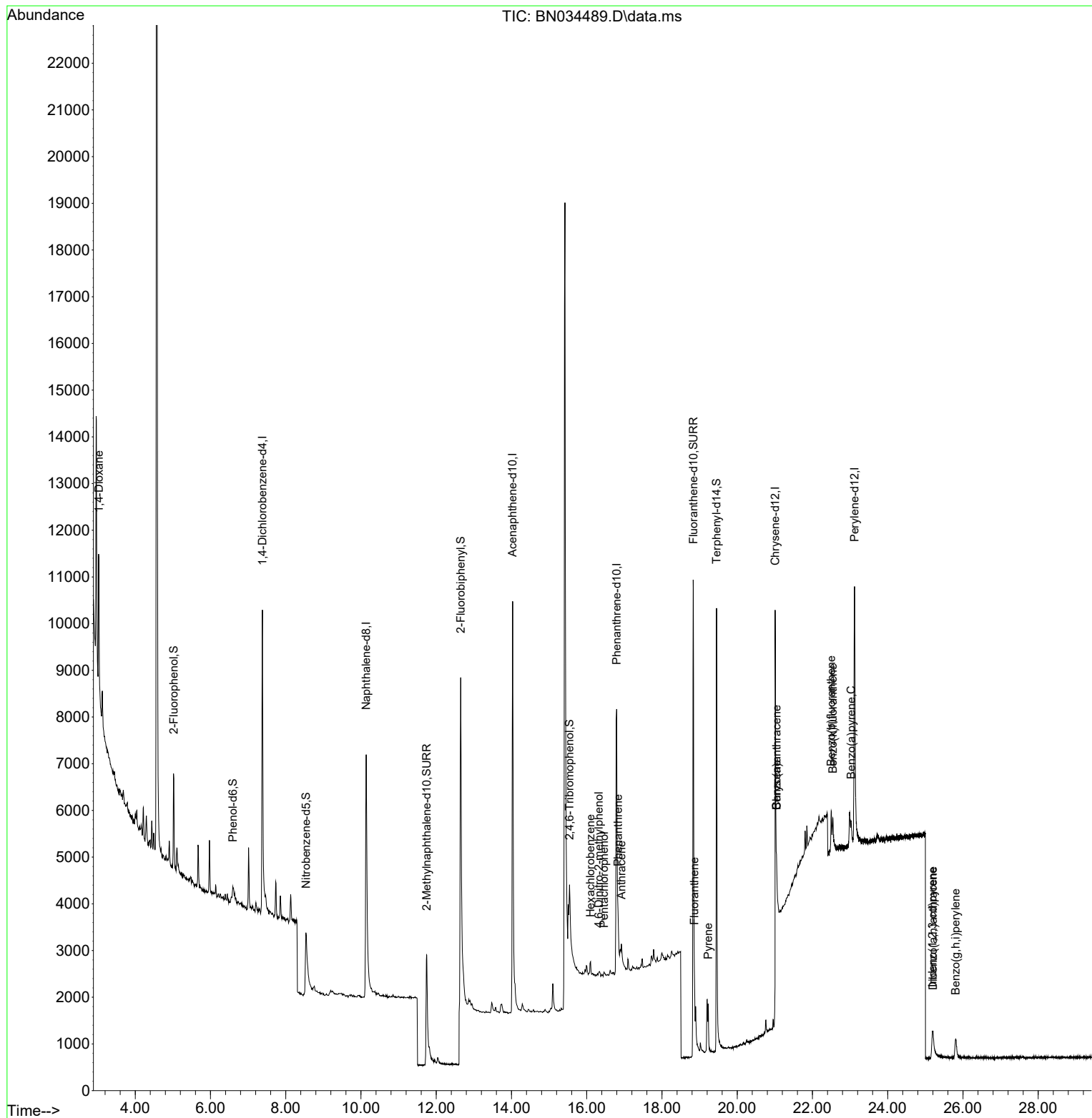
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.380	152	3867	0.400	ng	-0.01
7) Naphthalene-d8	10.137	136	11268	0.400	ng	-0.01
13) Acenaphthene-d10	14.030	164	6742	0.400	ng	-0.02
19) Phenanthrene-d10	16.796	188	12014	0.400	ng	0.00
29) Chrysene-d12	21.008	240	7069	0.400	ng	0.00
35) Perylene-d12	23.119	264	8204	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.026	112	1773	0.162	ng	0.00
5) Phenol-d6	6.593	99	681	0.053	ng	0.00
8) Nitrobenzene-d5	8.536	82	2322	0.269	ng	0.00
11) 2-Methylnaphthalene-d10	11.742	152	5517	0.332	ng	-0.01
14) 2,4,6-Tribromophenol	15.542	330	1067	0.349	ng	0.00
15) 2-Fluorobiphenyl	12.651	172	10235	0.373	ng	0.00
27) Fluoranthene-d10	18.834	212	13930	0.460	ng	-0.01
31) Terphenyl-d14	19.452	244	10529	0.746	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.032	88	2173	0.449	ng	# 69
20) 4,6-Dinitro-2-methylph...	16.324	198	13	0.144	ng	# 1
22) Hexachlorobenzene	16.101	284	241	0.032	ng	# 89
24) Pentachlorophenol	16.461	266	85	0.034	ng	# 87
25) Phenanthrene	16.833	178	741	0.021	ng	# 93
26) Anthracene	16.920	178	583	0.021	ng	# 94
28) Fluoranthene	18.862	202	1082	0.027	ng	# 93
30) Pyrene	19.229	202	968	0.032	ng	98
32) Benzo(a)anthracene	21.044	228	1078	0.048	ng	# 78
33) Chrysene	21.044	228	1448	0.054	ng	# 82
36) Indeno(1,2,3-cd)pyrene	25.189	276	1027	0.029	ng	# 83
37) Benzo(b)fluoranthene	22.499	252	1142	0.036	ng	# 1
38) Benzo(k)fluoranthene	22.543	252	1026	0.030	ng	# 1
39) Benzo(a)pyrene	23.031	252	674	0.026	ng	# 1
40) Dibenzo(a,h)anthracene	25.206	278	597	0.022	ng	# 1
41) Benzo(g,h,i)perylene	25.809	276	915	0.030	ng	# 56

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

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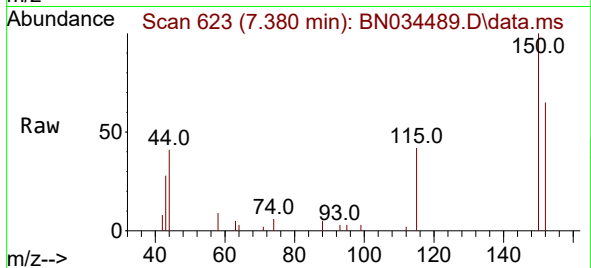
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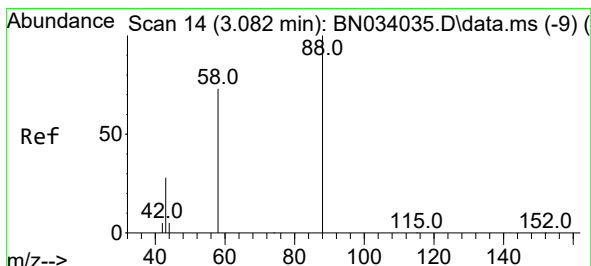
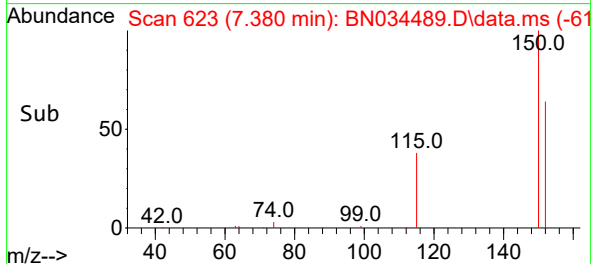
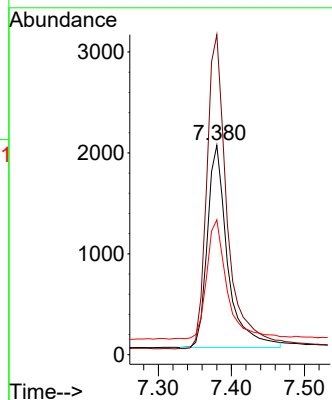


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.380 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Instrument :
BNA_N
ClientSampleId :
TT205S1-20240925

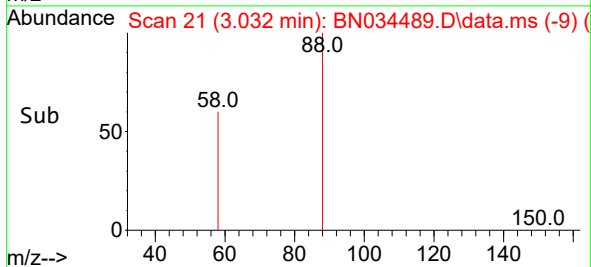
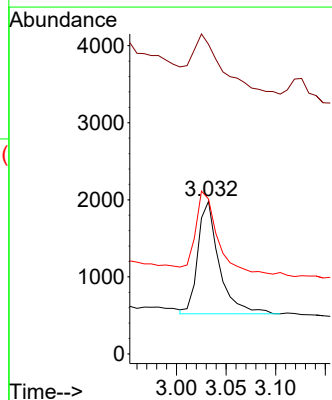
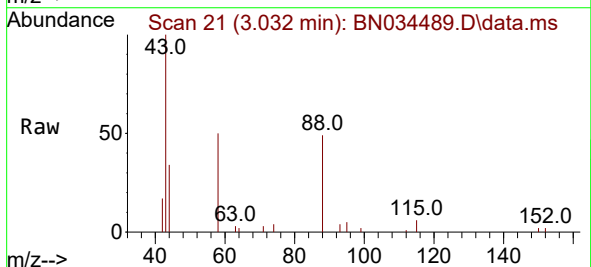


Tgt Ion:152 Resp: 3867
Ion Ratio Lower Upper
152 100
150 152.8 124.6 187.0
115 64.4 50.0 75.0



#2
1,4-Dioxane
Concen: 0.449 ng
RT: 3.032 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion: 88 Resp: 2173
Ion Ratio Lower Upper
88 100
43 77.7 25.8 38.8#
58 80.8 58.8 88.2

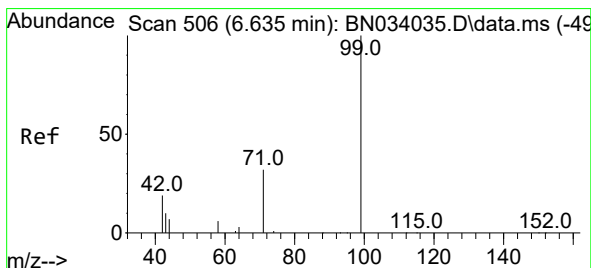
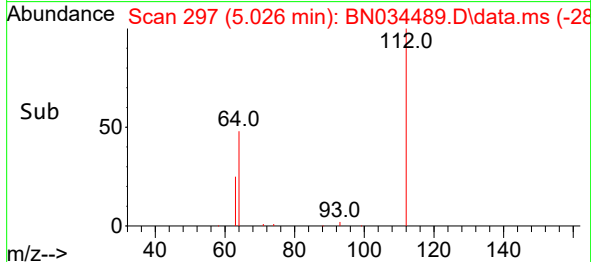
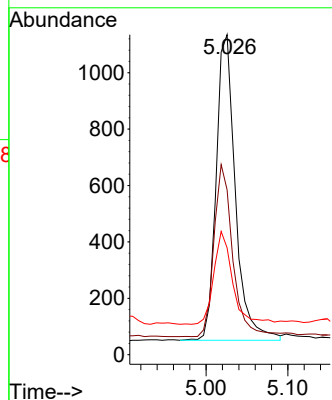
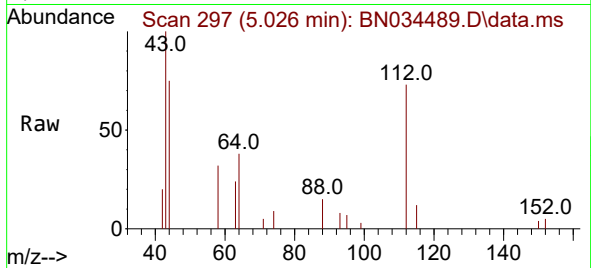




#4
2-Fluorophenol
Concen: 0.162 ng
RT: 5.026 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

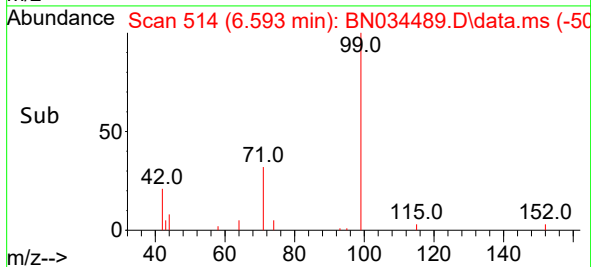
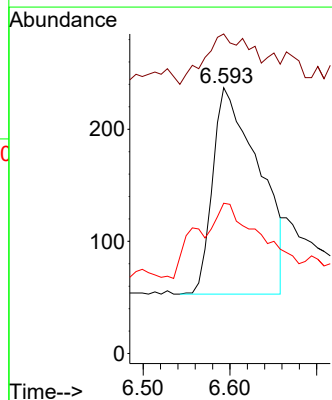
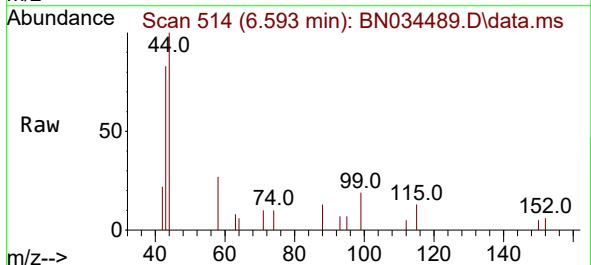
Instrument :
BNA_N
ClientSampleId :
TT205S1-20240925

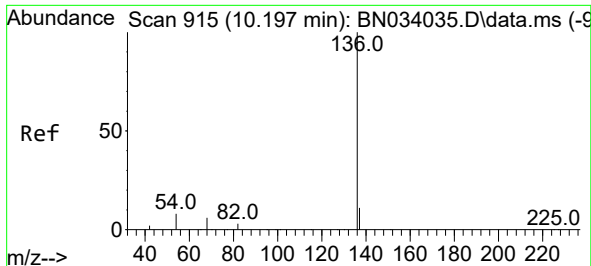
Tgt Ion:112 Resp: 1773
Ion Ratio Lower Upper
112 100
64 55.0 48.6 72.8
63 29.7 25.6 38.4



#5
Phenol-d6
Concen: 0.053 ng
RT: 6.593 min Scan# 514
Delta R.T. -0.007 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion: 99 Resp: 681
Ion Ratio Lower Upper
99 100
42 25.6 17.8 26.8
71 21.0 26.2 39.2#

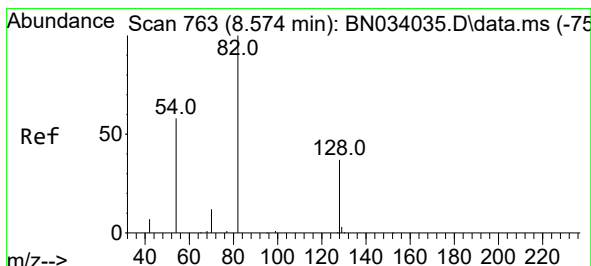
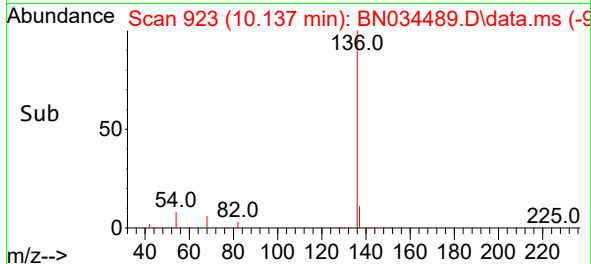
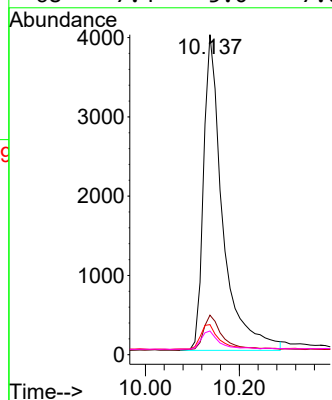
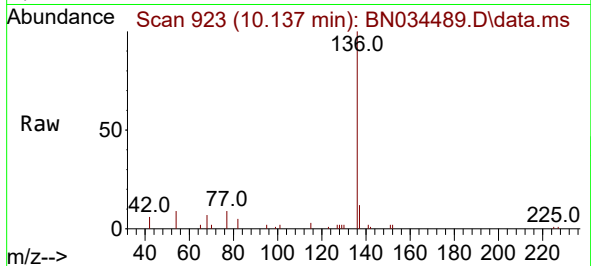




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.137 min Scan# 915
Delta R.T. -0.010 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

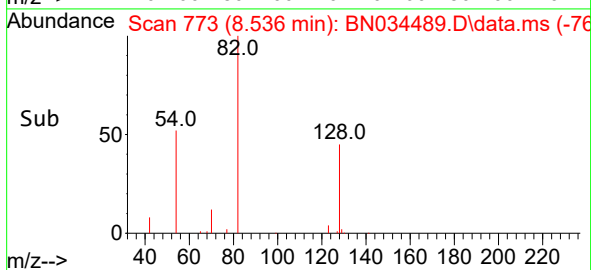
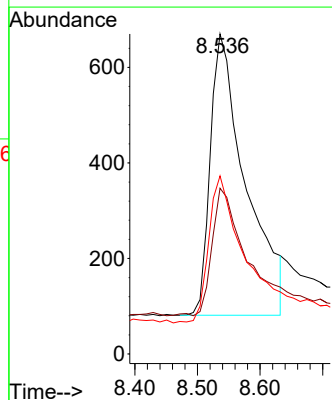
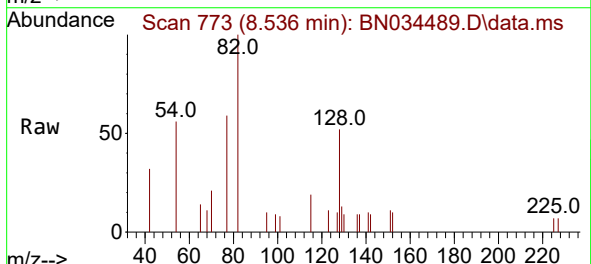
Instrument :
BNA_N
ClientSampleId :
TT205S1-20240925

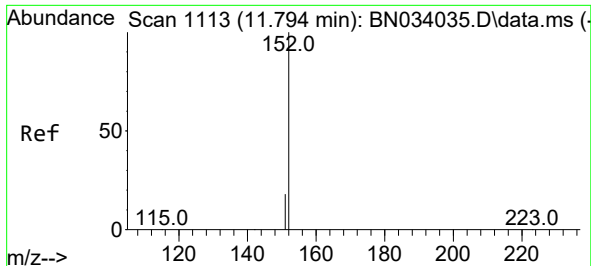
Tgt Ion:	136	Resp:	11268
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.0	13.6
54	9.4	6.8	10.2
68	7.4	5.0	7.6



#8
Nitrobenzene-d5
Concen: 0.269 ng
RT: 8.536 min Scan# 773
Delta R.T. 0.000 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion:	82	Resp:	2322
Ion	Ratio	Lower	Upper
82	100		
128	51.8	31.4	47.2
54	55.7	47.4	71.0





#11

2-Methylnaphthalene-d10

Concen: 0.332 ng

RT: 11.742 min Scan# 1114

Delta R.T. -0.011 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

Instrument :

BNA_N

ClientSampleId :

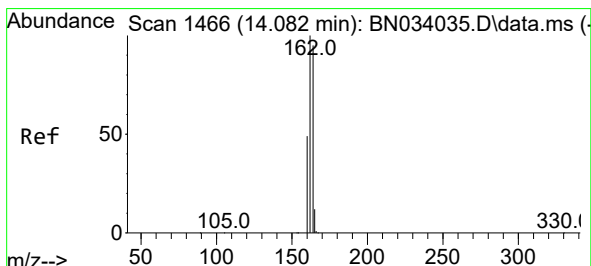
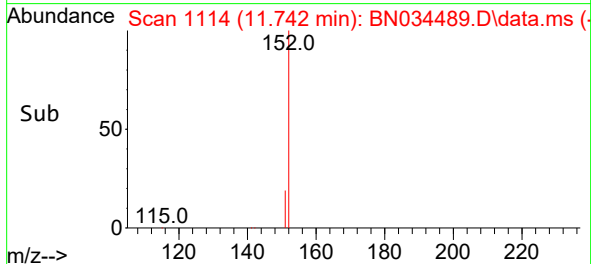
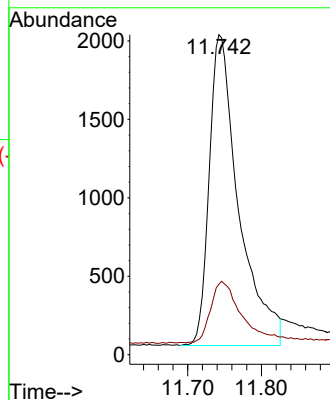
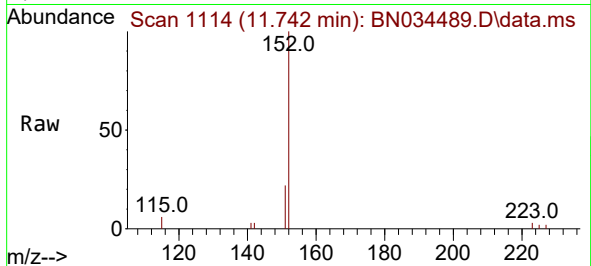
TT205S1-20240925

Tgt Ion:152 Resp: 5517

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.030 min Scan# 1476

Delta R.T. -0.017 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

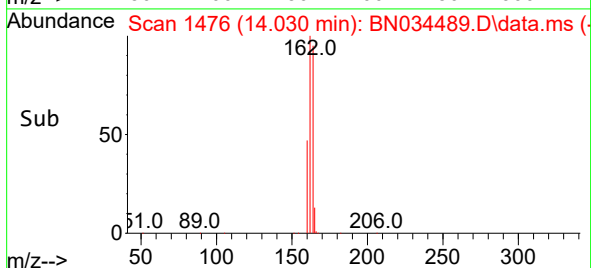
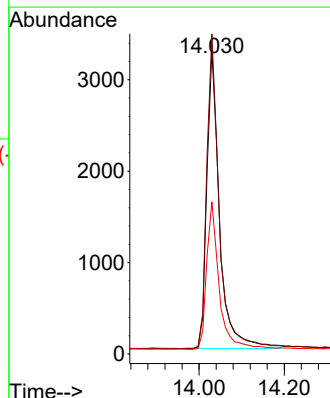
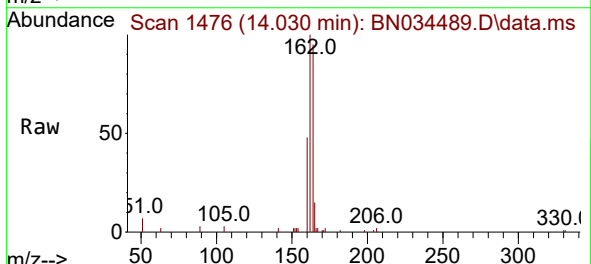
Tgt Ion:164 Resp: 6742

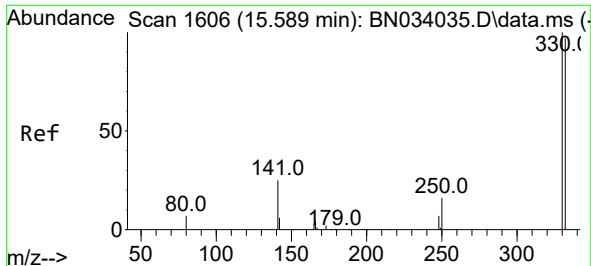
Ion Ratio Lower Upper

164 100

162 105.4 84.2 126.2

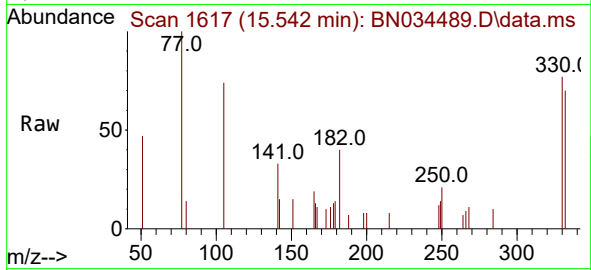
160 50.1 41.7 62.5



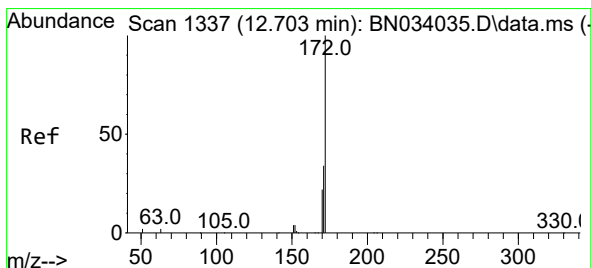
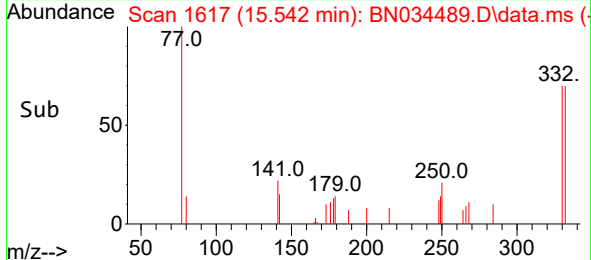
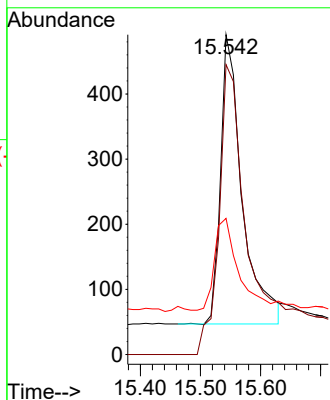


#14
2,4,6-Tribromophenol
Concen: 0.349 ng
RT: 15.542 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Instrument :
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ClientSampleId :
TT205S1-20240925

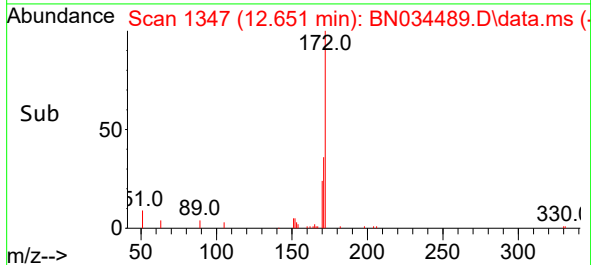
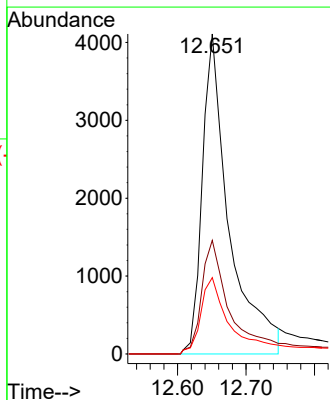
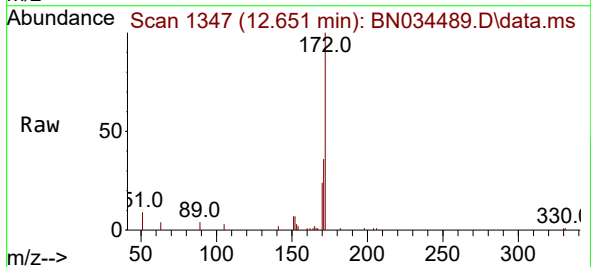


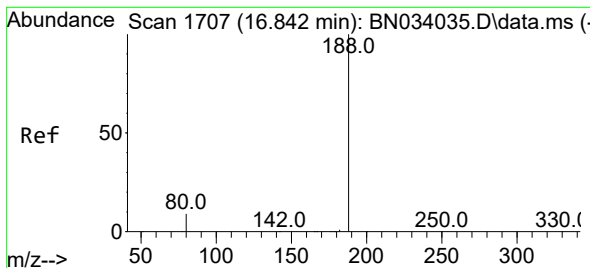
Tgt Ion: 330 Resp: 1067
Ion Ratio Lower Upper
330 100
332 131.2 77.4 116.0#
141 35.7 35.9 53.9#



#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 12.651 min Scan# 1347
Delta R.T. -0.007 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion: 172 Resp: 10235
Ion Ratio Lower Upper
172 100
171 35.5 27.3 40.9
170 23.9 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.796 min Scan# 1

Delta R.T. -0.007 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

Instrument :

BNA_N

ClientSampleId :

TT205S1-20240925

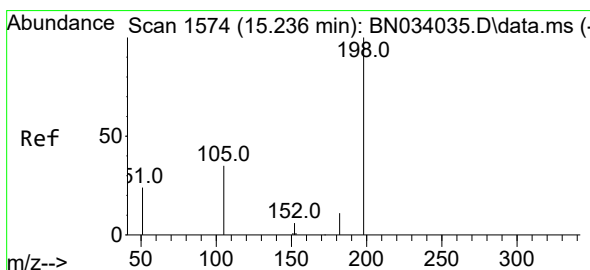
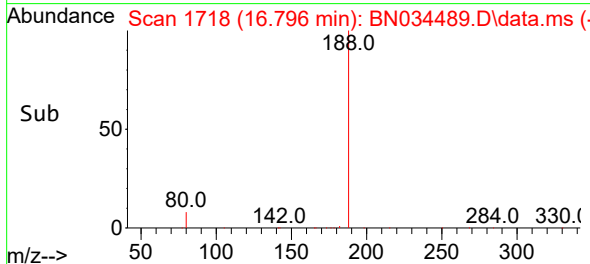
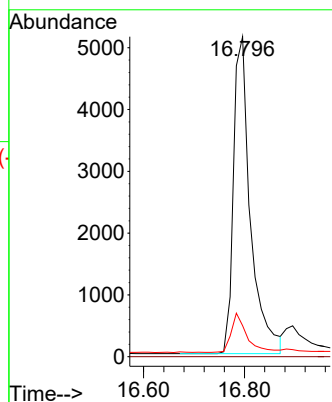
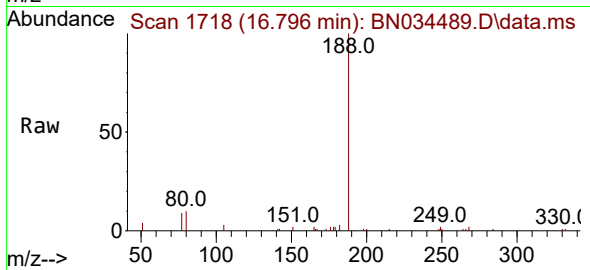
Tgt Ion:188 Resp: 12014

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.144 ng

RT: 16.324 min Scan# 1680

Delta R.T. 0.018 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

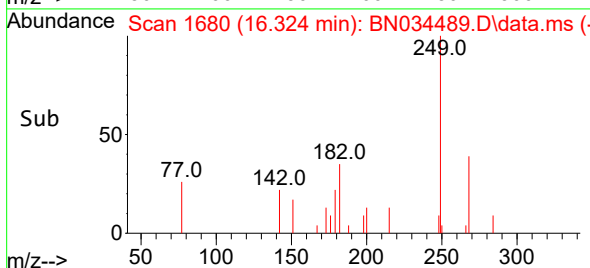
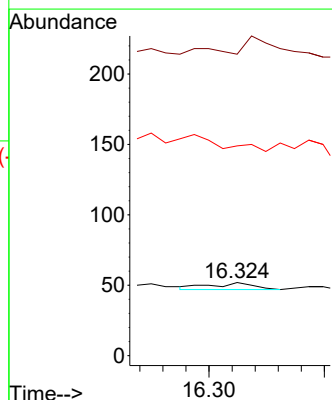
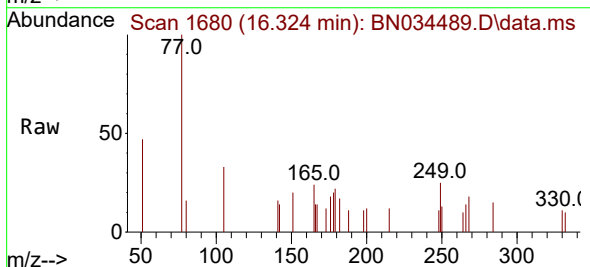
Tgt Ion:198 Resp: 13

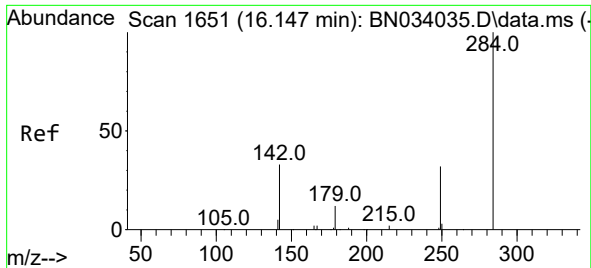
Ion Ratio Lower Upper

198 100

51 411.5 106.4 159.6#

105 286.5 38.5 57.7#

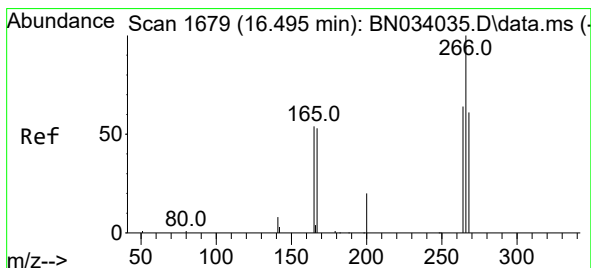
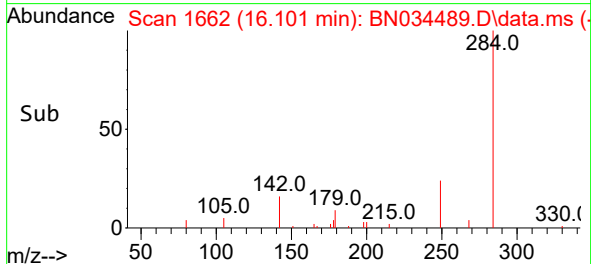
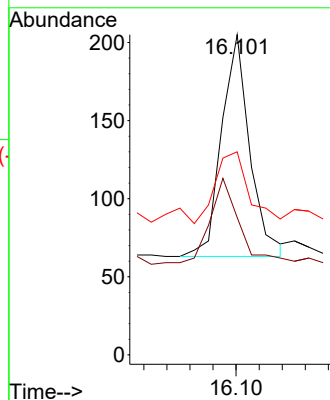
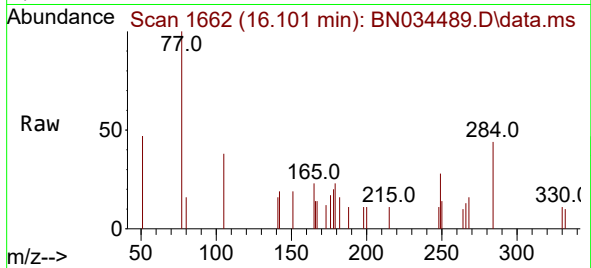




#22
Hexachlorobenzene
Concen: 0.032 ng
RT: 16.101 min Scan# 1662
Delta R.T. -0.007 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

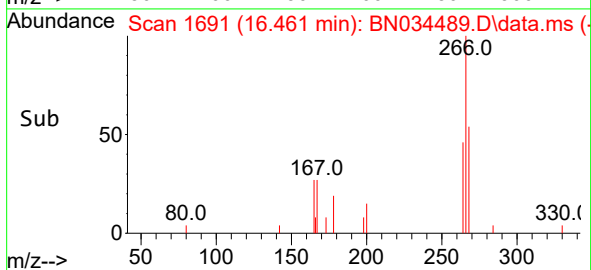
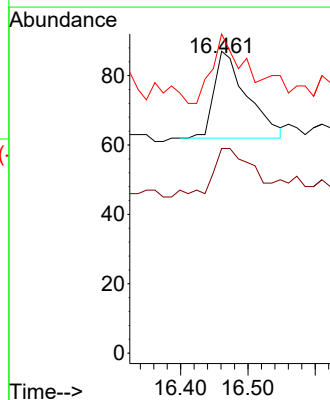
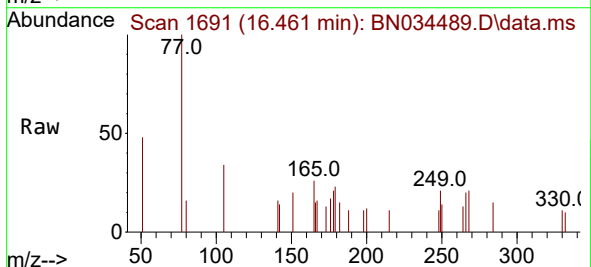
Instrument :
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TT205S1-20240925

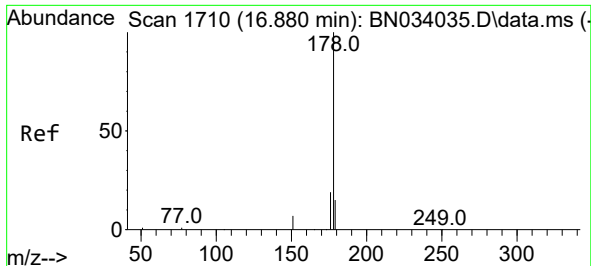
Tgt Ion:284 Resp: 241
Ion Ratio Lower Upper
284 100
142 38.2 34.5 51.7
249 40.7 25.8 38.6#



#24
Pentachlorophenol
Concen: 0.034 ng
RT: 16.461 min Scan# 1691
Delta R.T. -0.007 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion:266 Resp: 85
Ion Ratio Lower Upper
266 100
264 69.4 50.2 75.2
268 77.6 51.0 76.4#

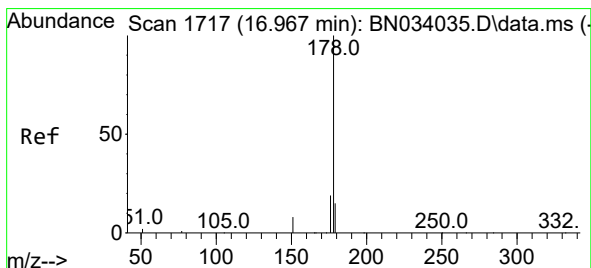
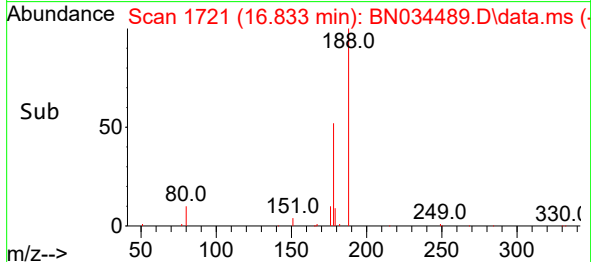
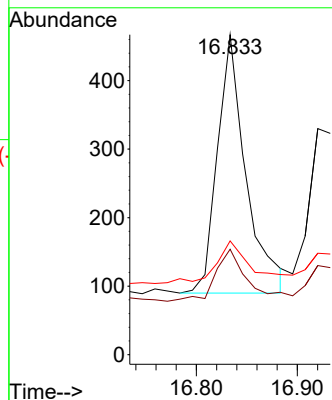
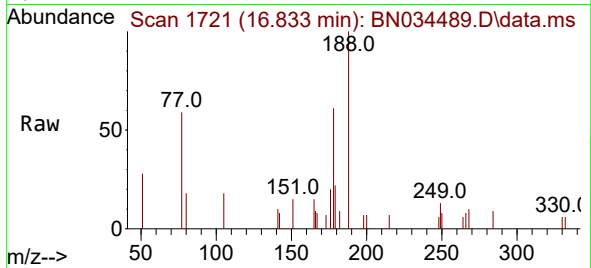




#25
Phenanthrene
Concen: 0.021 ng
RT: 16.833 min Scan# 1721
Delta R.T. -0.007 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

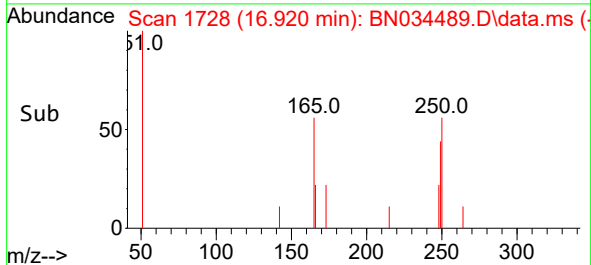
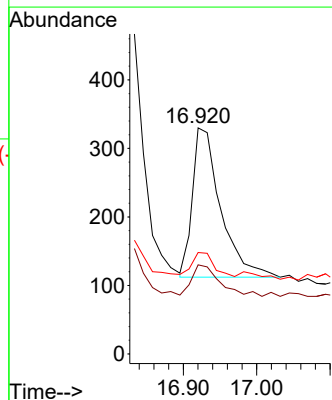
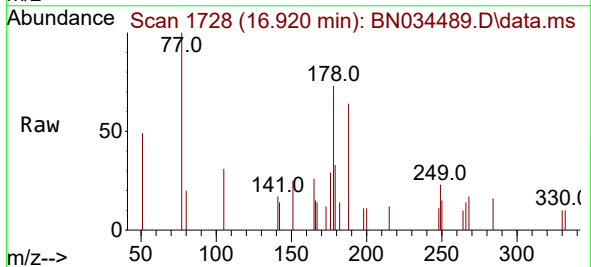
Instrument :
BNA_N
ClientSampleId :
TT205S1-20240925

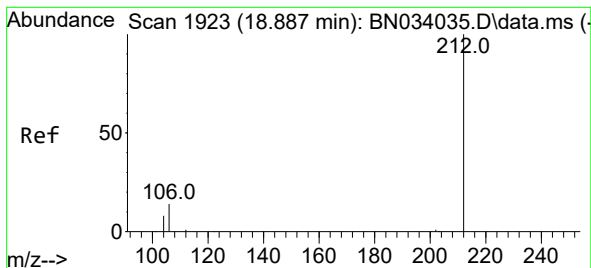
Tgt Ion:178 Resp: 741
Ion Ratio Lower Upper
178 100
176 20.9 15.3 22.9
179 19.4 12.1 18.1#



#26
Anthracene
Concen: 0.021 ng
RT: 16.920 min Scan# 1728
Delta R.T. -0.019 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion:178 Resp: 583
Ion Ratio Lower Upper
178 100
176 21.1 15.0 22.6
179 12.0 12.2 18.4#





#27

Fluoranthene-d10

Concen: 0.460 ng

RT: 18.834 min Scan# 1926

Delta R.T. -0.011 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

Instrument :

BNA_N

ClientSampleId :

TT205S1-20240925

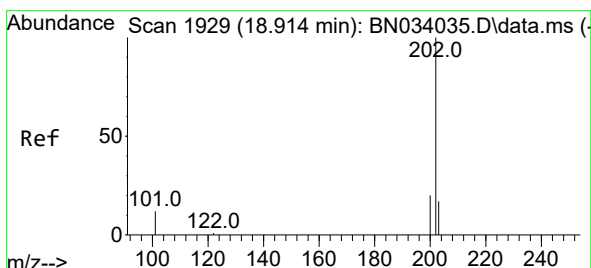
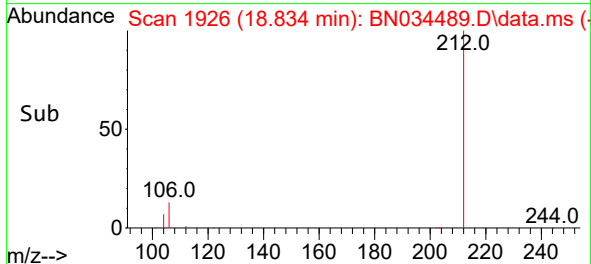
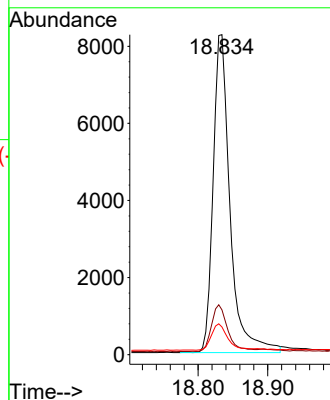
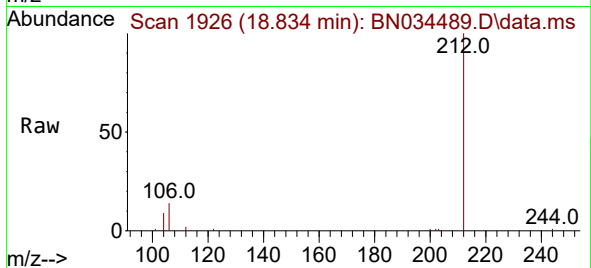
Tgt Ion:212 Resp: 13930

Ion Ratio Lower Upper

212 100

106 14.2 13.4 20.2

104 8.5 7.8 11.6



#28

Fluoranthene

Concen: 0.027 ng

RT: 18.862 min Scan# 1932

Delta R.T. -0.016 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

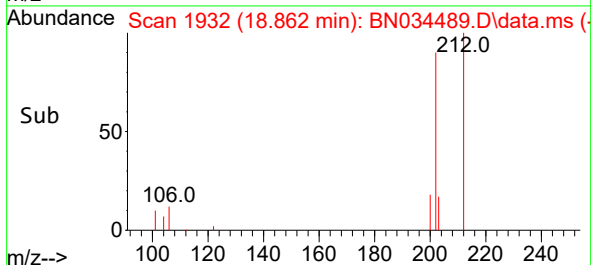
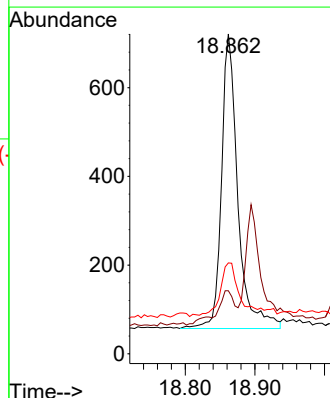
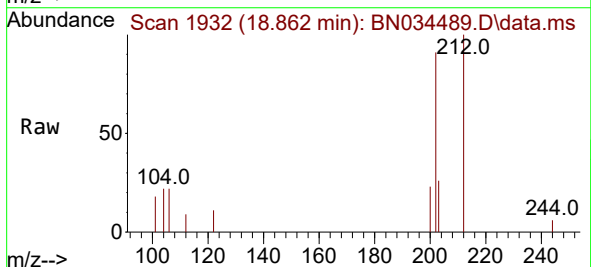
Tgt Ion:202 Resp: 1082

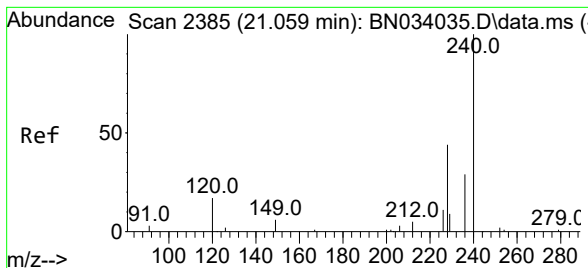
Ion Ratio Lower Upper

202 100

101 13.1 10.1 15.1

203 22.0 13.6 20.4#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

Instrument :

BNA_N

ClientSampleId :

TT205S1-20240925

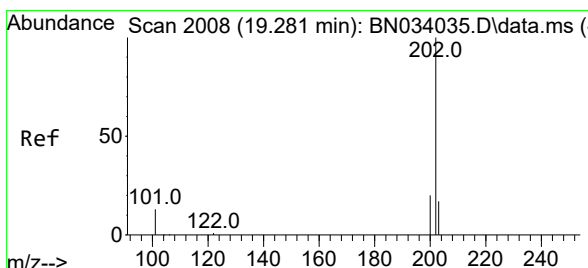
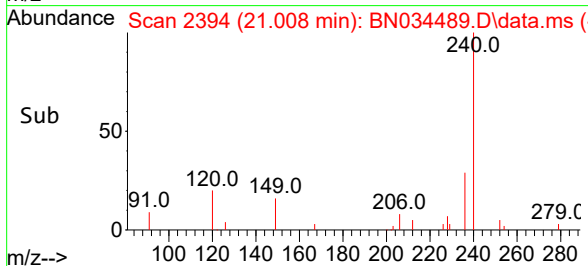
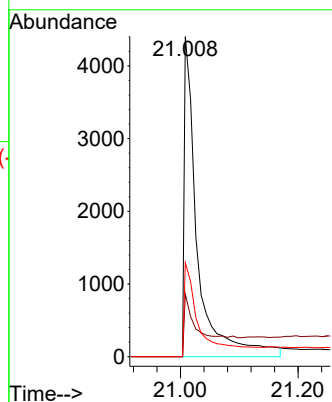
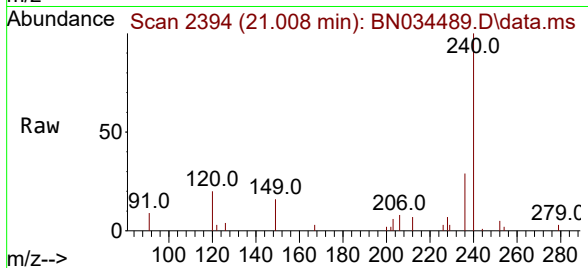
Tgt Ion:240 Resp: 7069

Ion Ratio Lower Upper

240 100

120 19.5 13.5 20.3

236 29.4 23.4 35.0



#30

Pyrene

Concen: 0.032 ng

RT: 19.229 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

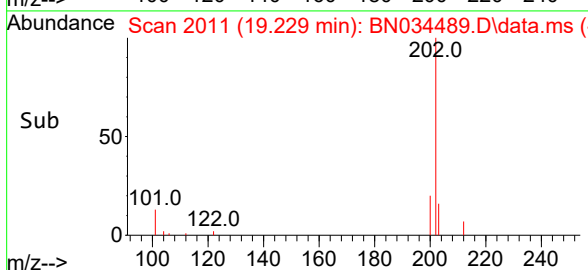
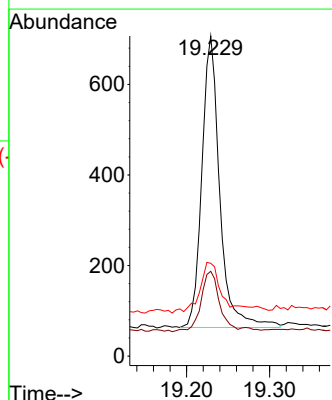
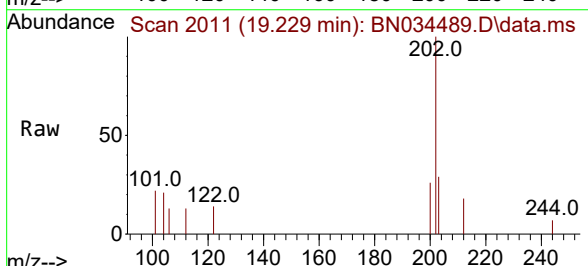
Tgt Ion:202 Resp: 968

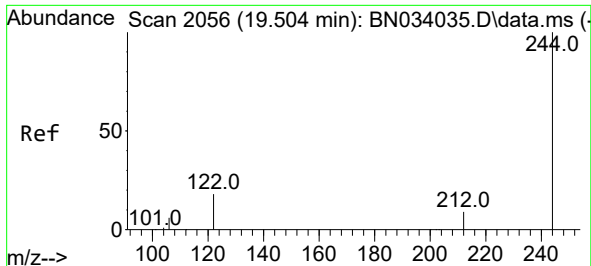
Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

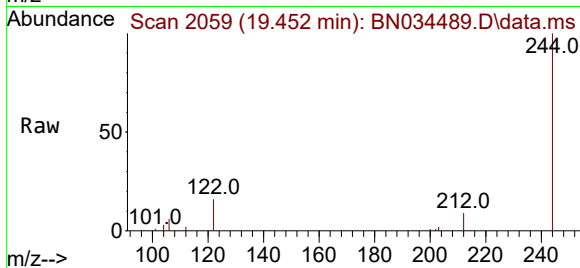
203 19.4 14.3 21.5



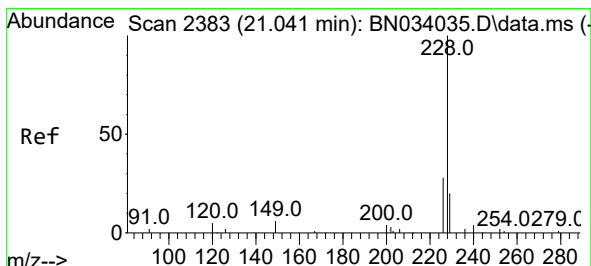
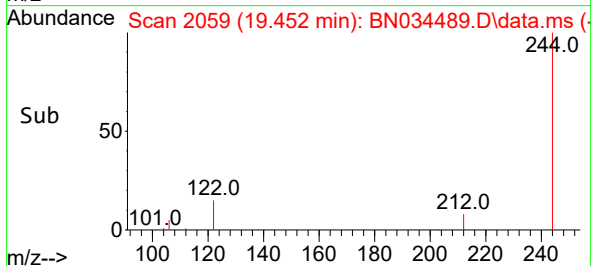
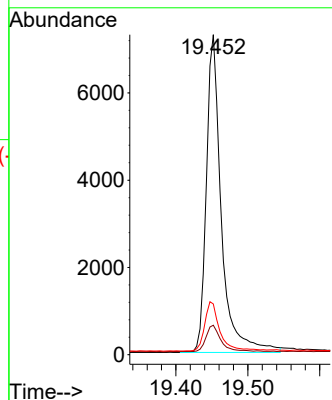


#31
Terphenyl-d14
Concen: 0.746 ng
RT: 19.452 min Scan# 2059
Delta R.T. -0.016 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Instrument :
BNA_N
ClientSampleId :
TT205S1-20240925

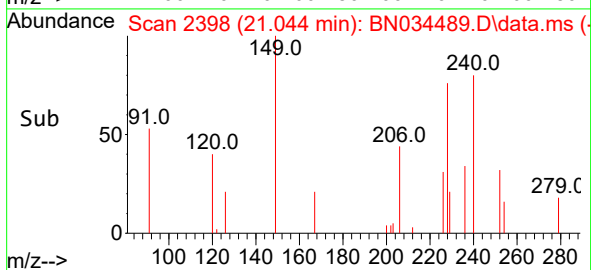
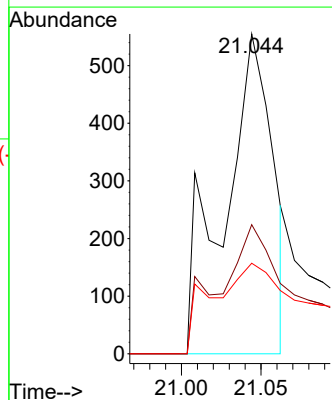
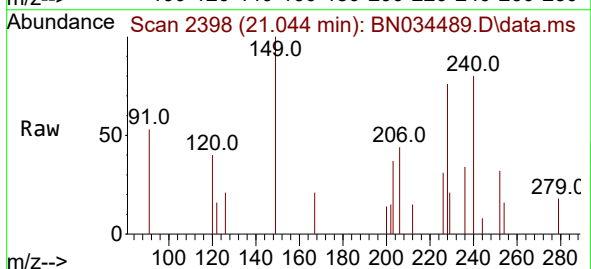


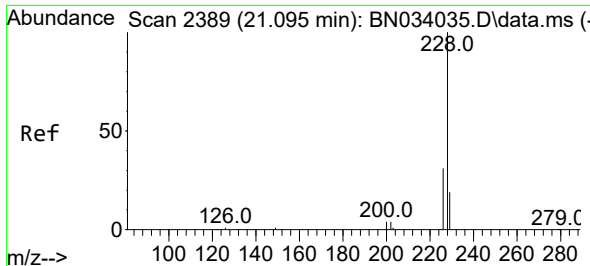
Tgt Ion:244 Resp: 10529
Ion Ratio Lower Upper
244 100
212 9.2 7.8 11.6
122 15.8 14.8 22.2



#32
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.044 min Scan# 2398
Delta R.T. 0.038 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion:228 Resp: 1078
Ion Ratio Lower Upper
228 100
226 40.4 22.3 33.5#
229 28.3 15.7 23.5#





#33

Chrysene

Concen: 0.054 ng

RT: 21.044 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

Instrument :

BNA_N

ClientSampleId :

TT205S1-20240925

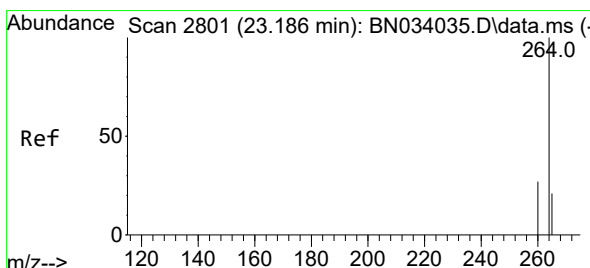
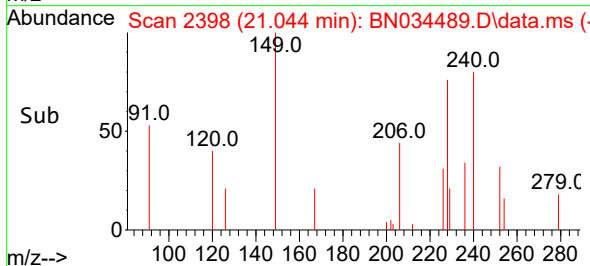
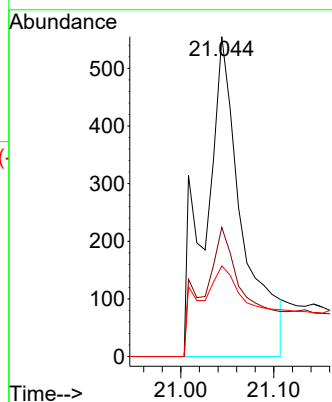
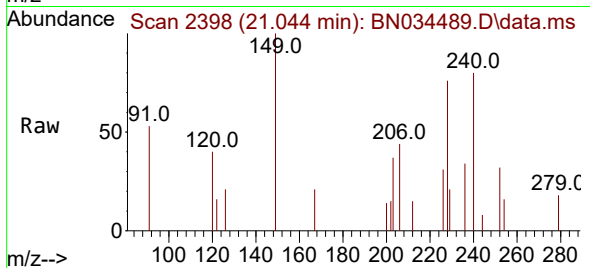
Tgt Ion:228 Resp: 1448

Ion Ratio Lower Upper

228 100

226 40.4 24.6 37.0#

229 28.3 15.5 23.3#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.119 min Scan# 2794

Delta R.T. -0.009 min

Lab File: BN034489.D

Acq: 09 Oct 2024 04:20

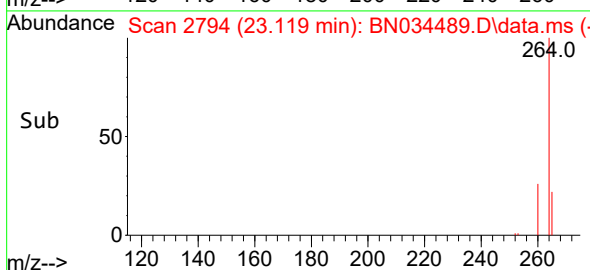
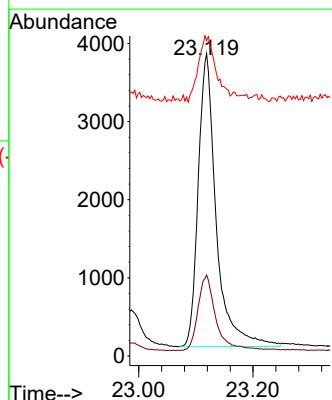
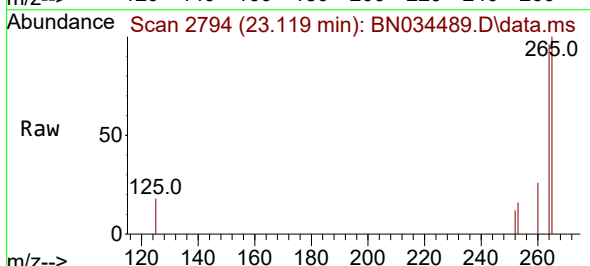
Tgt Ion:264 Resp: 8204

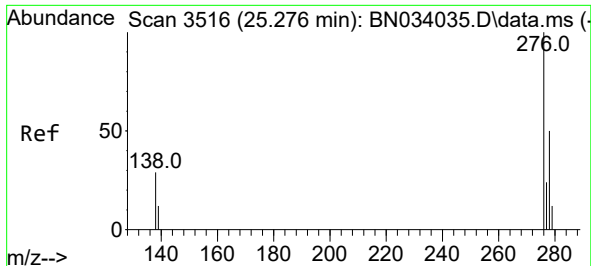
Ion Ratio Lower Upper

264 100

260 26.8 21.7 32.5

265 104.3 52.1 78.1#

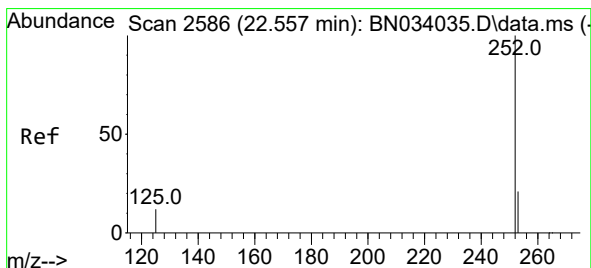
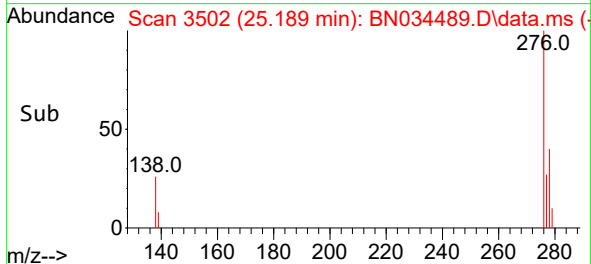
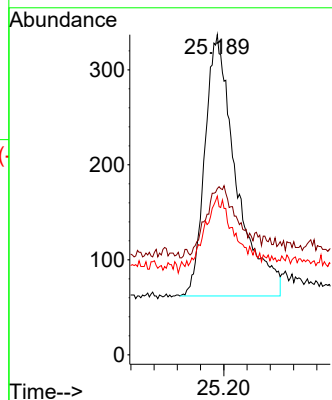
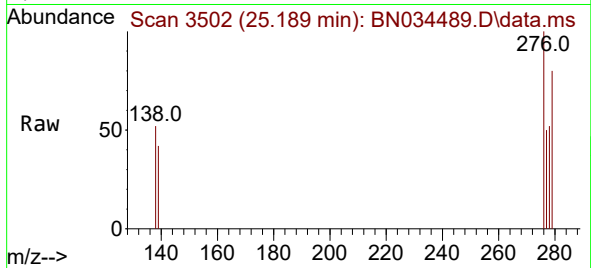




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.029 ng
RT: 25.189 min Scan# 3516
Delta R.T. -0.006 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

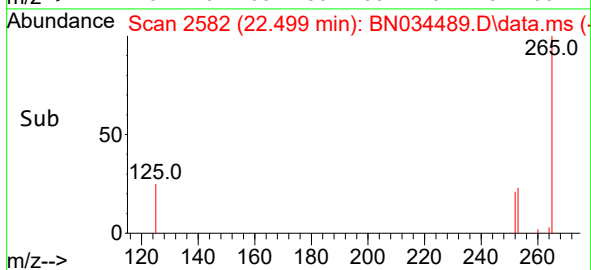
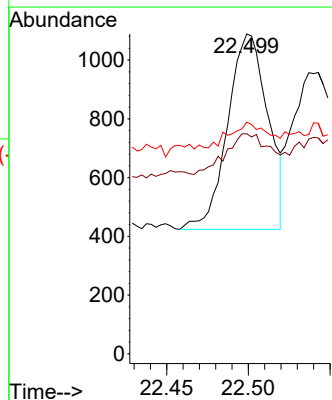
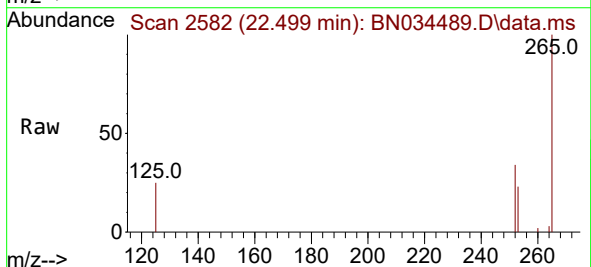
Instrument :
BNA_N
ClientSampleId :
TT205S1-20240925

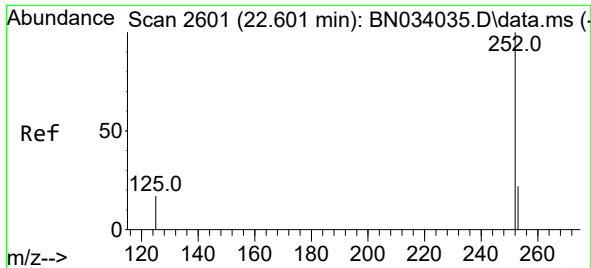
Tgt Ion:276 Resp: 1027
Ion Ratio Lower Upper
276 100
138 26.1 25.9 38.9
277 12.9 19.7 29.5#



#37
Benzo(b)fluoranthene
Concen: 0.036 ng
RT: 22.499 min Scan# 2582
Delta R.T. -0.009 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion:252 Resp: 1142
Ion Ratio Lower Upper
252 100
253 68.8 19.6 29.4#
125 72.5 13.8 20.8#

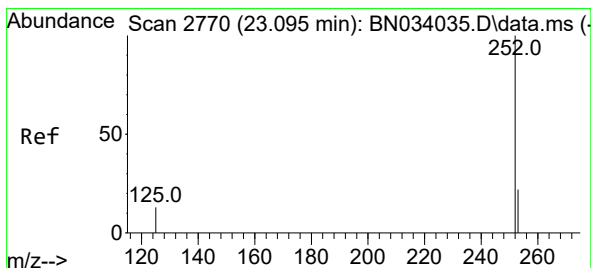
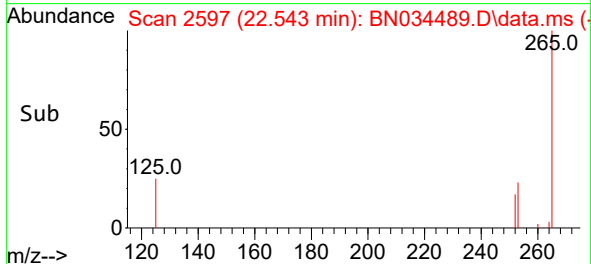
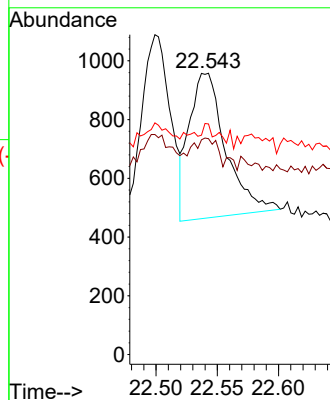
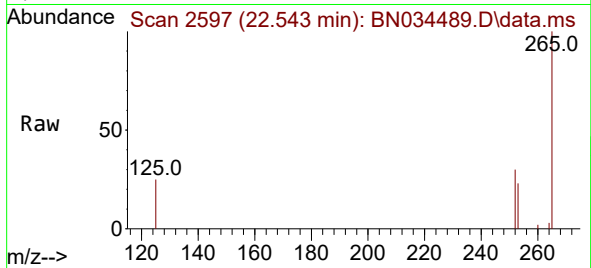




#38
Benzo(k)fluoranthene
Concen: 0.030 ng
RT: 22.543 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

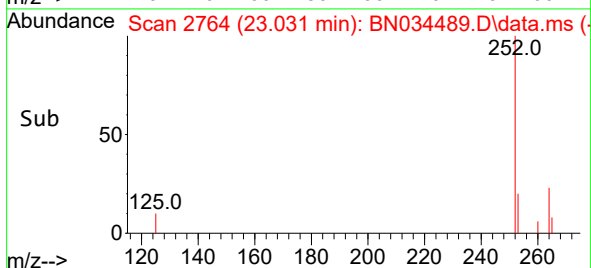
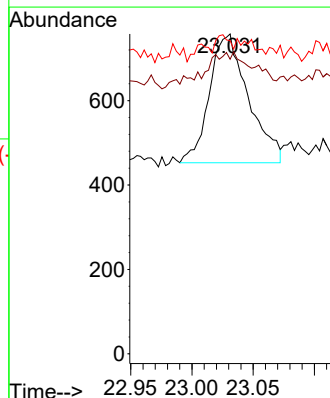
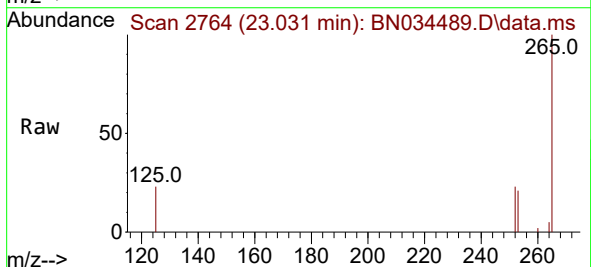
Instrument :
BNA_N
ClientSampleId :
TT205S1-20240925

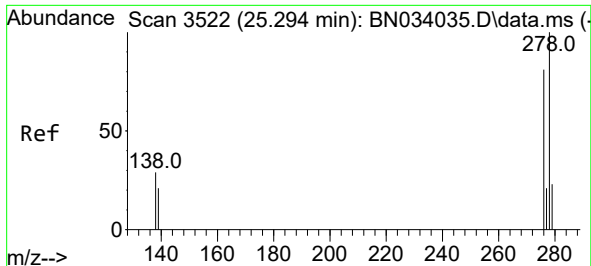
Tgt Ion:252 Resp: 1026
Ion Ratio Lower Upper
252 100
253 76.7 20.1 30.1#
125 81.9 16.8 25.2#



#39
Benzo(a)pyrene
Concen: 0.026 ng
RT: 23.031 min Scan# 2764
Delta R.T. -0.006 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion:252 Resp: 674
Ion Ratio Lower Upper
252 100
253 92.1 21.8 32.8#
125 97.9 17.5 26.3#

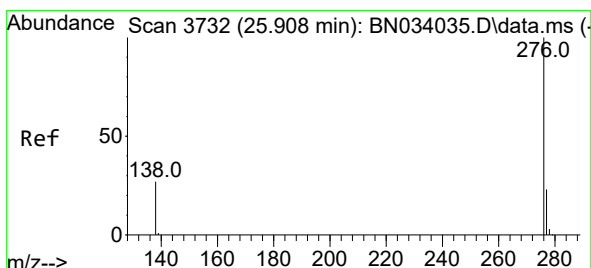
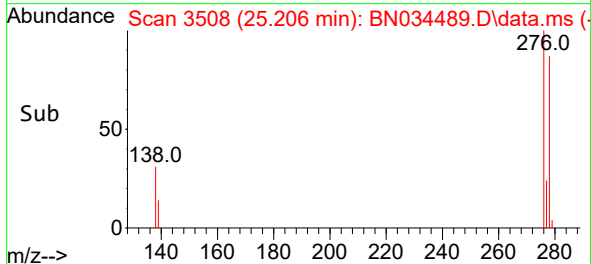
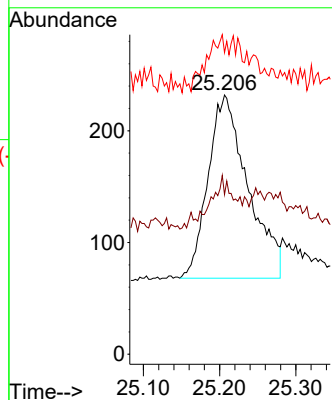
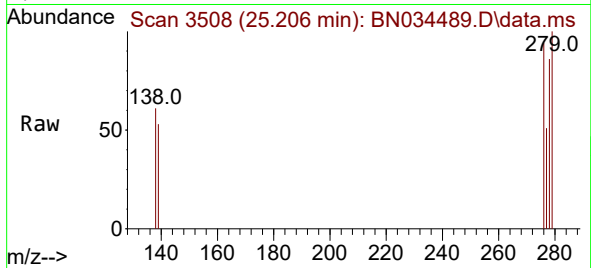




#40
Dibenzo(a,h)anthracene
Concen: 0.022 ng
RT: 25.206 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Instrument :
BNA_N
ClientSampleId :
TT205S1-20240925

Tgt Ion:278 Resp: 597
Ion Ratio Lower Upper
278 100
139 61.6 17.8 26.8#
279 116.4 21.0 31.6#



#41
Benzo(g,h,i)perylene
Concen: 0.030 ng
RT: 25.809 min Scan# 3714
Delta R.T. -0.009 min
Lab File: BN034489.D
Acq: 09 Oct 2024 04:20

Tgt Ion:276 Resp: 915
Ion Ratio Lower Upper
276 100
277 46.3 19.3 28.9#
138 51.2 22.6 34.0#

