

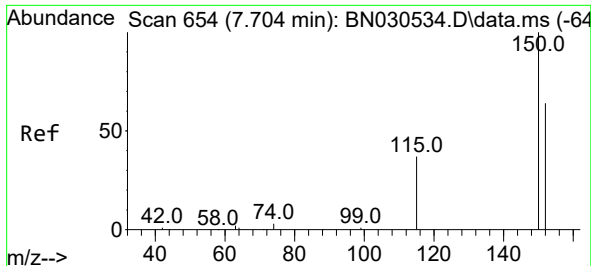
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040824\
 Data File : BN030783.D
 Acq On : 08 Apr 2024 23:51
 Operator : MA/JU
 Sample : P2008-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20240404

Quant Time: Apr 16 13:38:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN033024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 11 12:30:40 2024
 Response via : Initial Calibration

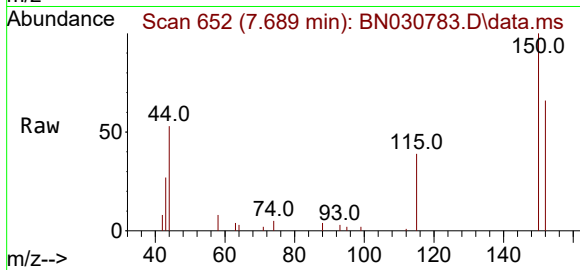
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.689	152	4649	0.400	ng	-0.01
7) Naphthalene-d8	10.464	136	14648	0.400	ng	-0.02
13) Acenaphthene-d10	14.327	164	9447	0.400	ng	-0.01
19) Phenanthrene-d10	17.078	188	23429	0.400	ng	-0.01
29) Chrysene-d12	21.267	240	19409	0.400	ng	-0.02
35) Perylene-d12	23.507	264	15690	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.285	112	1437	0.142	ng	-0.01
5) Phenol-d6	6.859	99	880	0.068	ng	-0.01
8) Nitrobenzene-d5	8.841	82	2688	0.261	ng	-0.01
11) 2-Methylnaphthalene-d10	12.058	152	7213	0.322	ng	-0.02
14) 2,4,6-Tribromophenol	15.824	330	1250	0.350	ng	-0.01
15) 2-Fluorobiphenyl	12.948	172	9673	0.265	ng	-0.02
27) Fluoranthene-d10	19.108	212	25735	0.407	ng	-0.02
31) Terphenyl-d14	19.711	244	19036	0.425	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.226	88	21737	3.875	ng	97
6) bis(2-Chloroethyl)ether	7.119	93	384	0.030	ng	87
9) Naphthalene	10.517	128	1153	0.028	ng	# 80
10) Hexachlorobutadiene	10.795	225	379	0.046	ng	# 98
12) 2-Methylnaphthalene	12.134	142	1535	0.058	ng	# 92
17) Acenaphthene	14.391	154	621	0.021	ng	98
18) Fluorene	15.375	166	1239	0.032	ng	97
20) 4,6-Dinitro-2-methylph...	15.460	198	11	0.175	ng	# 1
21) 4-Bromophenyl-phenylether	16.271	248	510	0.036	ng	87
22) Hexachlorobenzene	16.370	284	532	0.031	ng	97
24) Pentachlorophenol	16.718	266	45	0.178	ng	# 89
25) Phenanthrene	17.115	178	2479	0.036	ng	98
26) Anthracene	17.202	178	2015	0.035	ng	99
28) Fluoranthene	19.140	202	3545	0.043	ng	# 77
30) Pyrene	19.502	202	3147	0.041	ng	98
32) Benzo(a)anthracene	21.249	228	3507	0.051	ng	96
33) Chrysene	21.303	228	4063	0.055	ng	98
34) Bis(2-ethylhexyl)phtha...	21.187	149	7134	0.239	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.784	276	2687	0.039	ng	100
37) Benzo(b)fluoranthene	22.834	252	3501	0.055	ng	# 48
38) Benzo(k)fluoranthene	22.881	252	3436	0.054	ng	# 46
39) Benzo(a)pyrene	23.407	252	2334	0.046	ng	# 13
40) Dibenzo(a,h)anthracene	25.796	278	1971	0.036	ng	# 51
41) Benzo(g,h,i)perylene	26.460	276	2346	0.040	ng	# 73

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

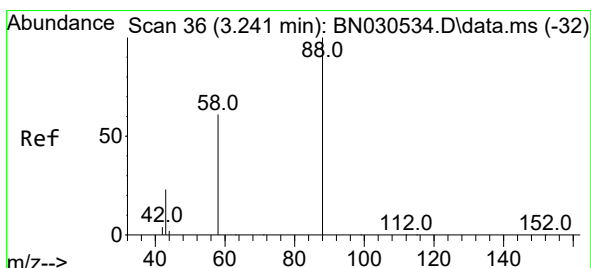
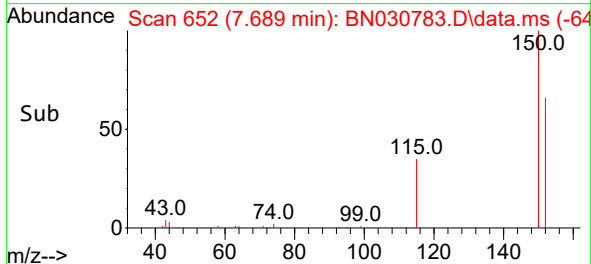
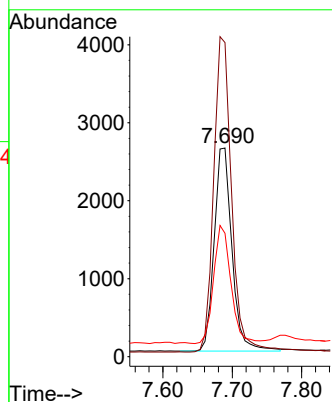


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.689 min Scan# 61
 Delta R.T. -0.014 min
 Lab File: BN030783.D
 Acq: 08 Apr 2024 23:51

Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20240404

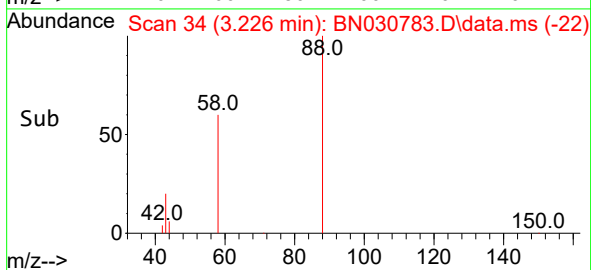
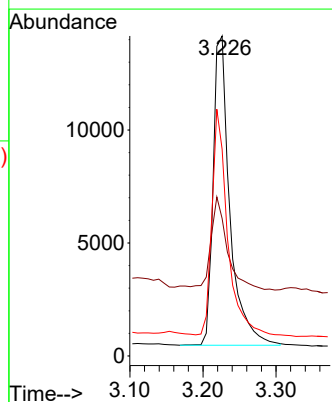
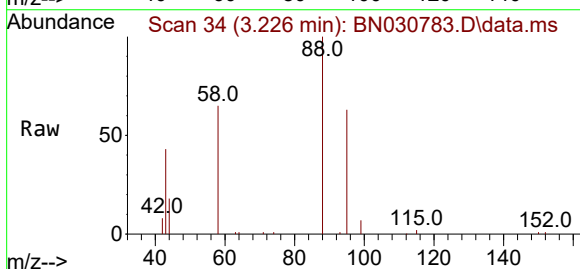


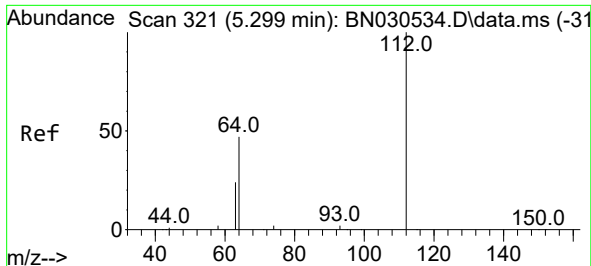
Tgt Ion:152 Resp: 4649
 Ion Ratio Lower Upper
 152 100
 150 150.5 124.2 186.4
 115 59.2 48.6 72.8



#2
 1,4-Dioxane
 Concen: 3.875 ng
 RT: 3.226 min Scan# 34
 Delta R.T. -0.014 min
 Lab File: BN030783.D
 Acq: 08 Apr 2024 23:51

Tgt Ion: 88 Resp: 21737
 Ion Ratio Lower Upper
 88 100
 43 30.7 21.9 32.9
 58 67.8 53.4 80.2

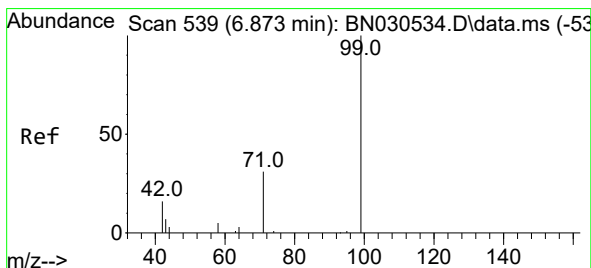
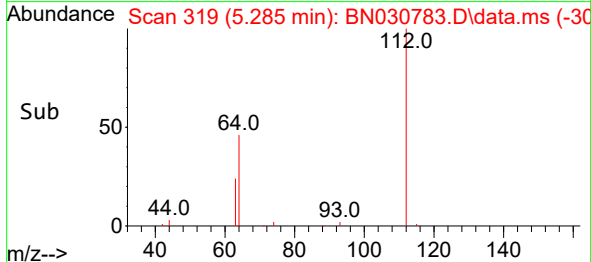
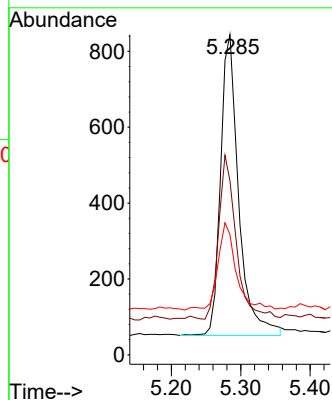
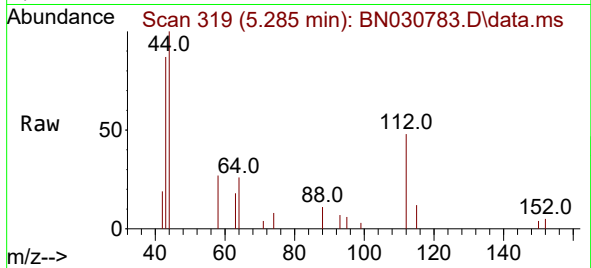




#4
2-Fluorophenol
Concen: 0.142 ng
RT: 5.285 min Scan# 319
Delta R.T. -0.014 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

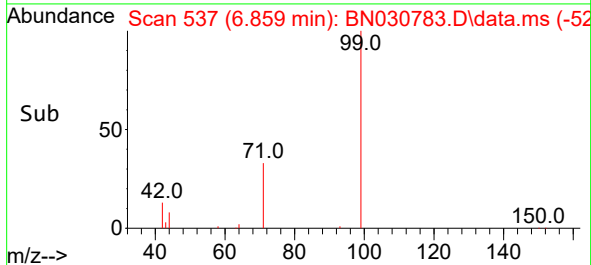
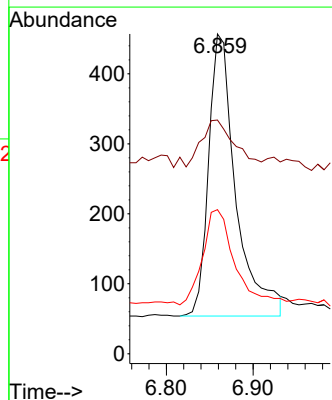
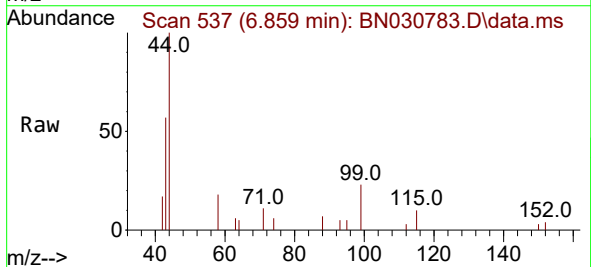
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BNA_N
ClientSampleId :
SP-100-20240404

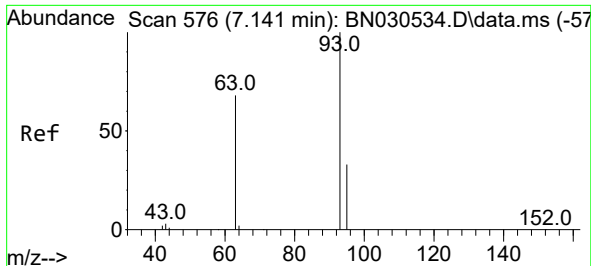
Tgt Ion:112 Resp: 1437
Ion Ratio Lower Upper
112 100
64 52.2 43.2 64.8
63 29.3 22.5 33.7



#5
Phenol-d6
Concen: 0.068 ng
RT: 6.859 min Scan# 537
Delta R.T. -0.014 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion: 99 Resp: 880
Ion Ratio Lower Upper
99 100
42 19.8 15.8 23.6
71 38.8 25.9 38.9

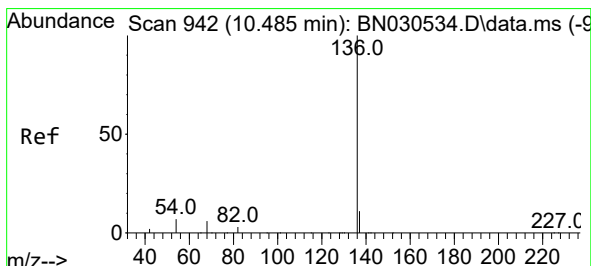
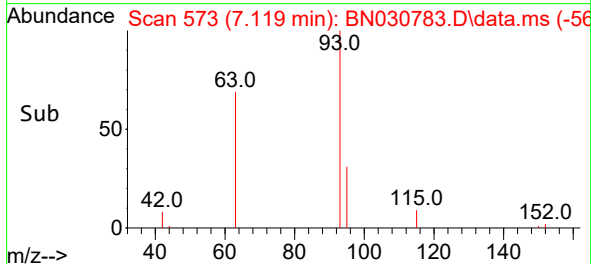
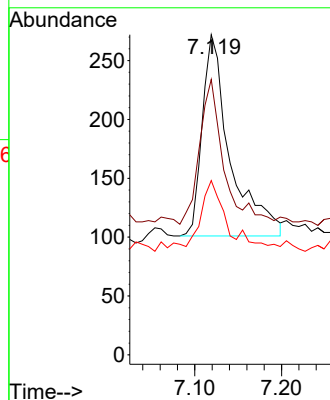
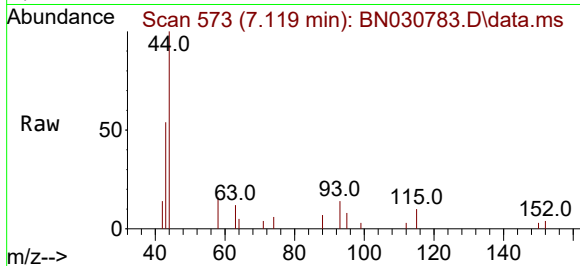




#6
bis(2-Chloroethyl)ether
Concen: 0.030 ng
RT: 7.119 min Scan# 51
Delta R.T. -0.022 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

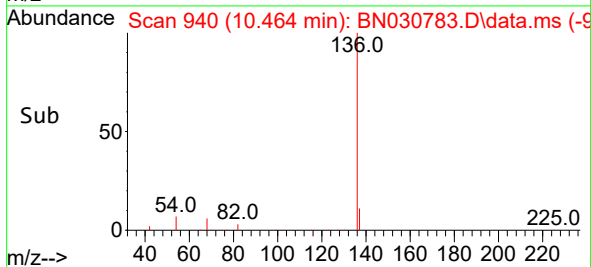
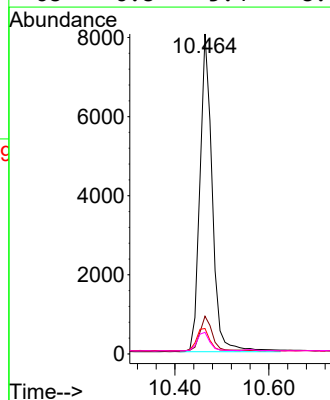
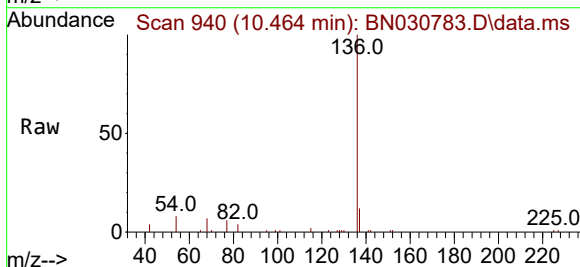
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SP-100-20240404

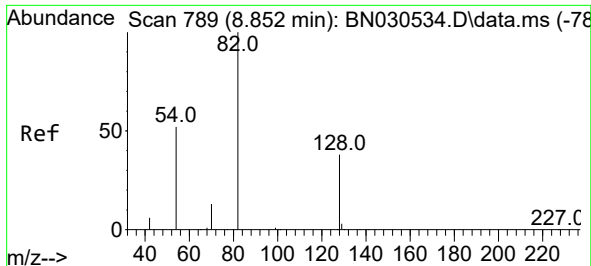
Tgt Ion: 93 Resp: 384
Ion Ratio Lower Upper
93 100
63 61.7 60.5 90.7
95 30.7 27.5 41.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.464 min Scan# 940
Delta R.T. -0.021 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion: 136 Resp: 14648
Ion Ratio Lower Upper
136 100
137 11.8 9.1 13.7
54 7.9 6.4 9.6
68 6.8 5.4 8.0

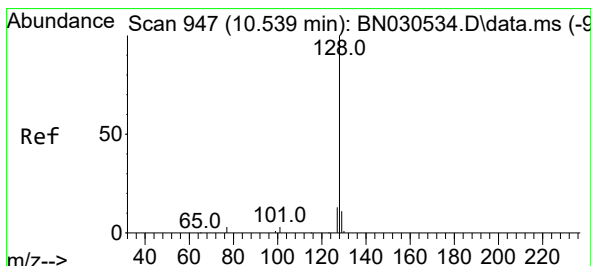
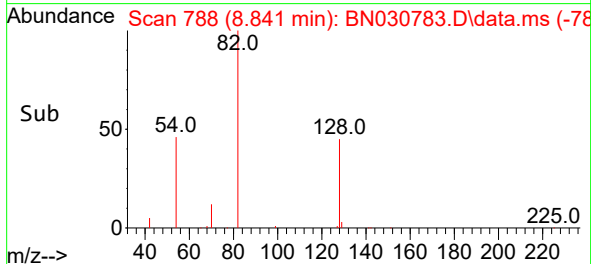
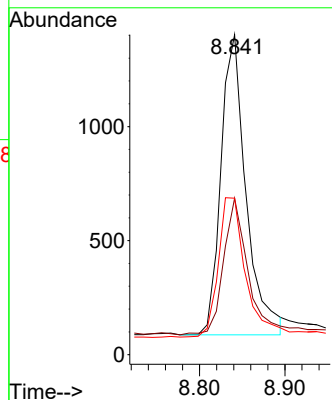
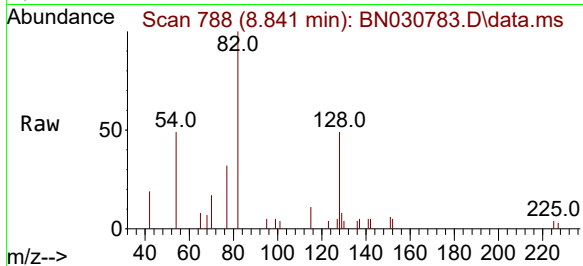




#8
Nitrobenzene-d5
Concen: 0.261 ng
RT: 8.841 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

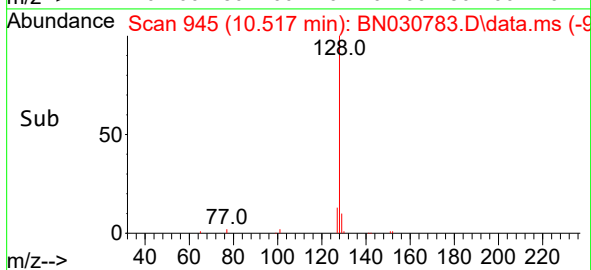
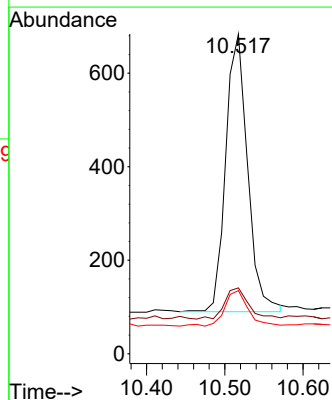
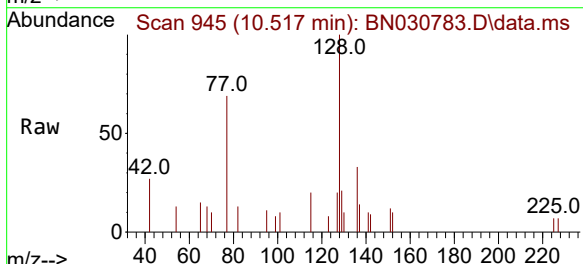
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SP-100-20240404

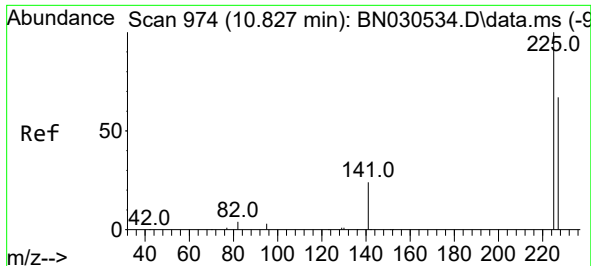
Tgt Ion: 82 Resp: 2688
Ion Ratio Lower Upper
82 100
128 48.9 32.3 48.5#
54 48.9 42.7 64.1



#9
Naphthalene
Concen: 0.028 ng
RT: 10.517 min Scan# 945
Delta R.T. -0.021 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion: 128 Resp: 1153
Ion Ratio Lower Upper
128 100
129 20.6 9.0 13.6#
127 19.7 10.5 15.7#

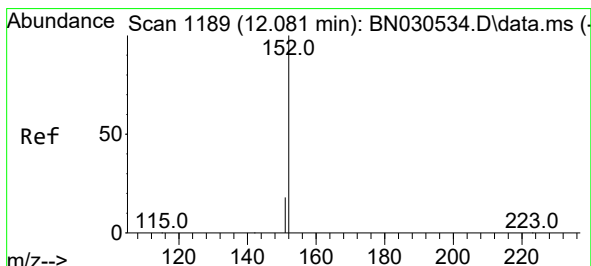
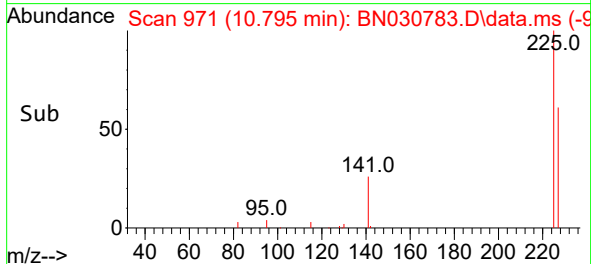
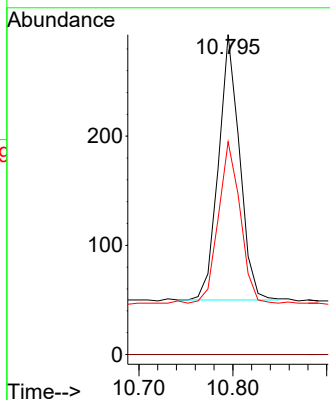
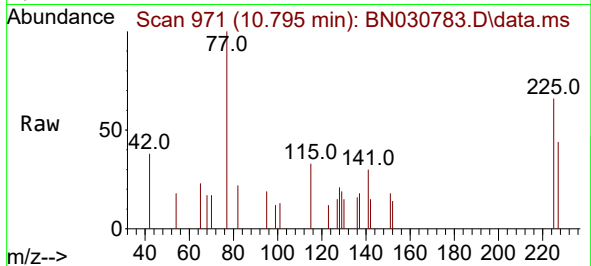




#10
Hexachlorobutadiene
Concen: 0.046 ng
RT: 10.795 min Scan# 91
Delta R.T. -0.032 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

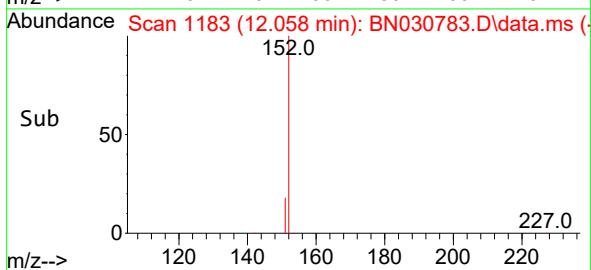
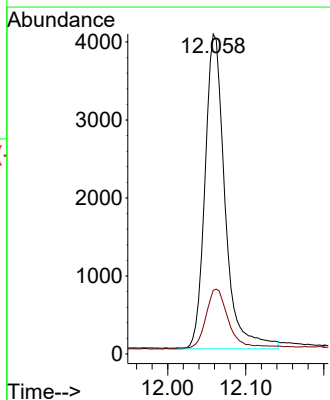
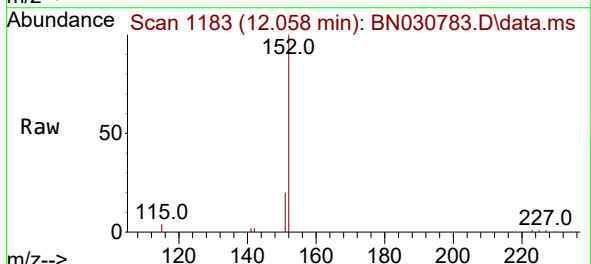
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ClientSampleId :
SP-100-20240404

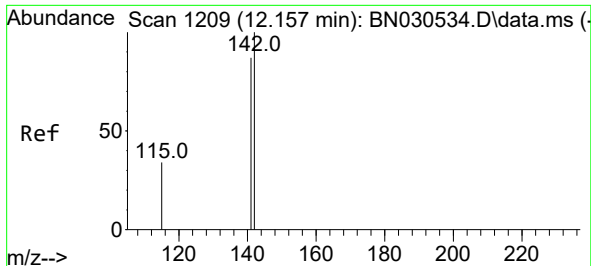
Tgt Ion:225 Resp: 379
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.1 51.4 77.2



#11
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 12.058 min Scan# 1183
Delta R.T. -0.023 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion:152 Resp: 7213
Ion Ratio Lower Upper
152 100
151 20.8 16.7 25.1

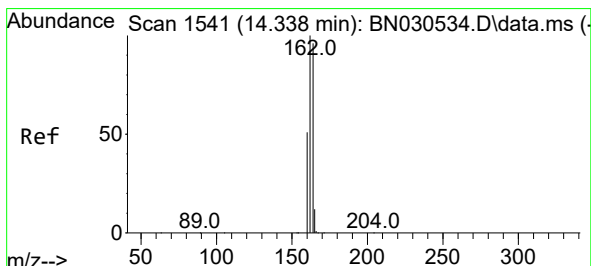
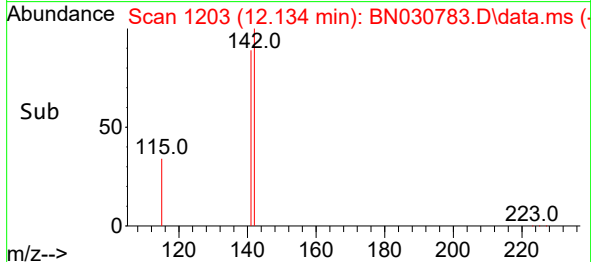
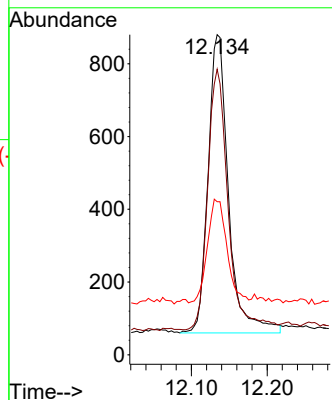
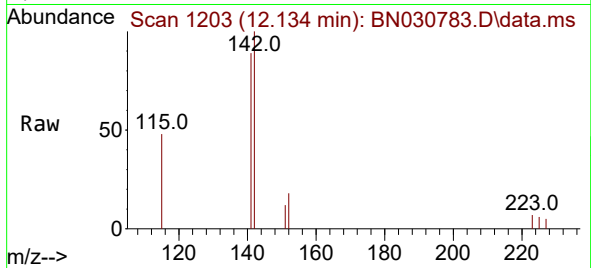




#12
2-Methylnaphthalene
Concen: 0.058 ng
RT: 12.134 min Scan# 11
Delta R.T. -0.023 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

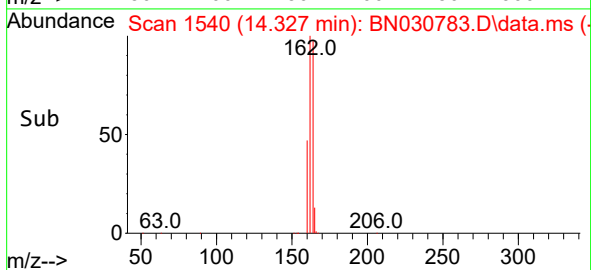
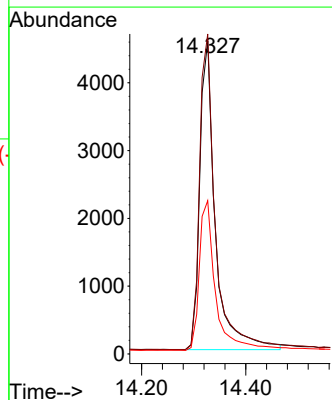
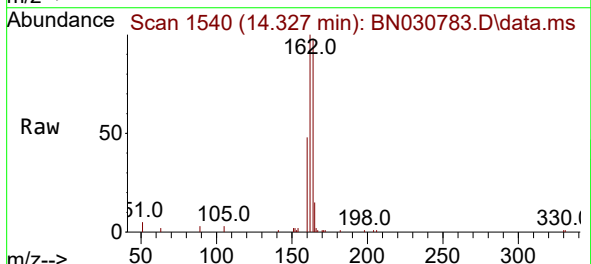
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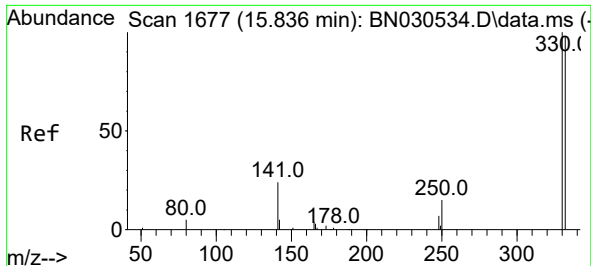
Tgt Ion:142 Resp: 1535
Ion Ratio Lower Upper
142 100
141 89.2 69.8 104.8
115 47.8 28.3 42.5#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.327 min Scan# 1540
Delta R.T. -0.011 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

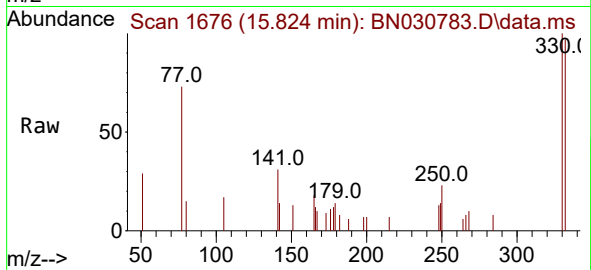
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Ion Ratio Lower Upper
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162 102.2 83.5 125.3
160 49.0 42.5 63.7



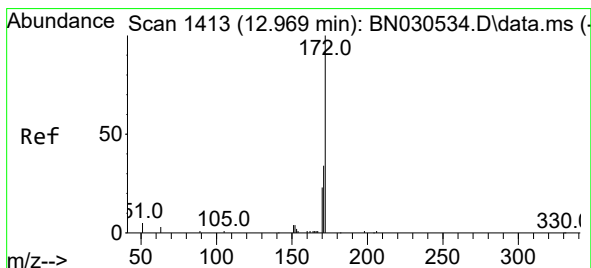
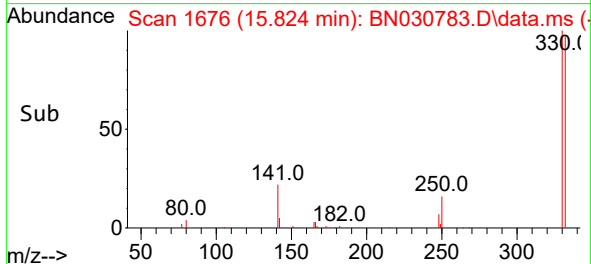
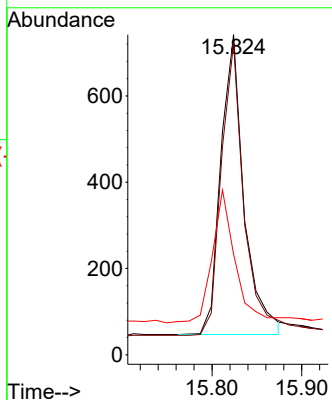


#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 15.824 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Instrument :
BNA_N
ClientSampleId :
SP-100-20240404

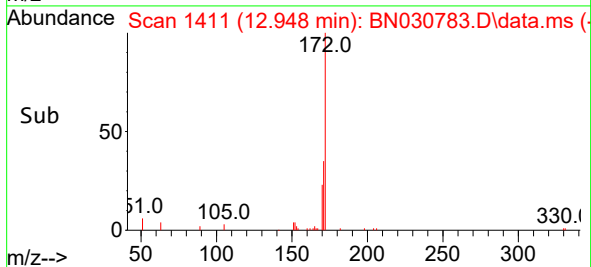
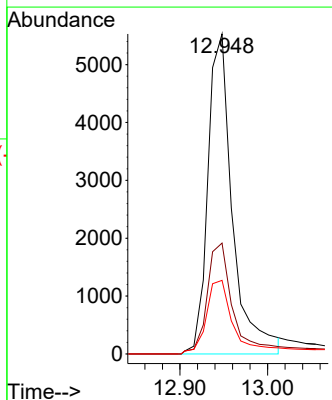
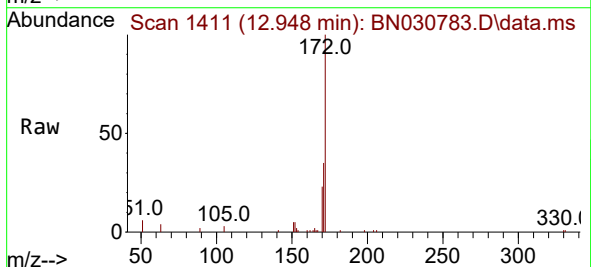


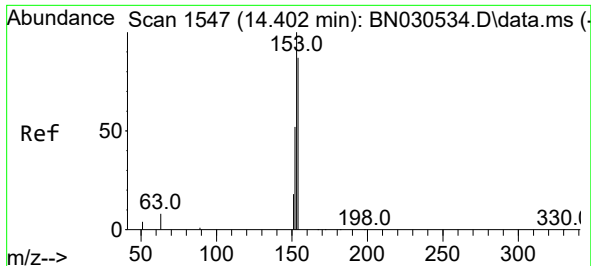
Tgt Ion:330 Resp: 1250
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.6
141 42.8 35.9 53.9



#15
2-Fluorobiphenyl
Concen: 0.265 ng
RT: 12.948 min Scan# 1411
Delta R.T. -0.021 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion:172 Resp: 9673
Ion Ratio Lower Upper
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171 34.6 27.1 40.7
170 23.0 18.3 27.5

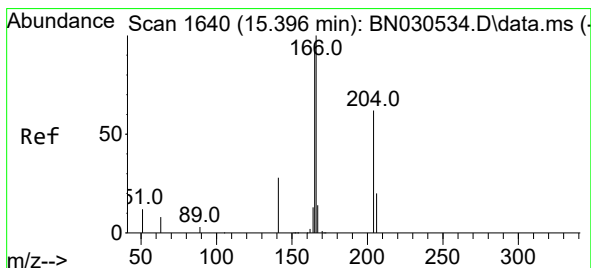
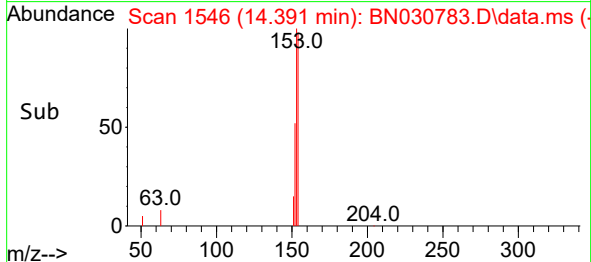
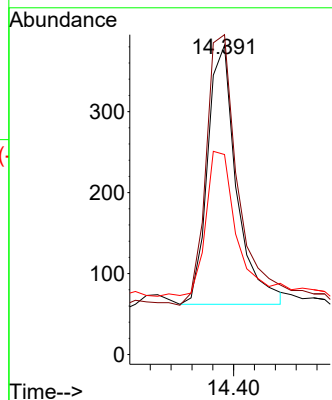
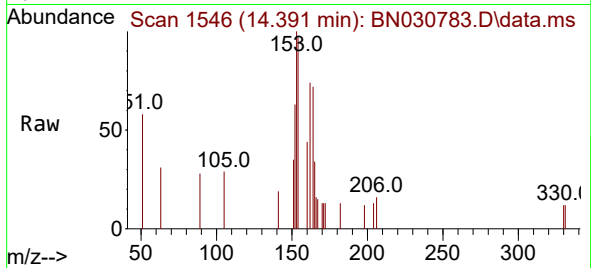




#17
Acenaphthene
Concen: 0.021 ng
RT: 14.391 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

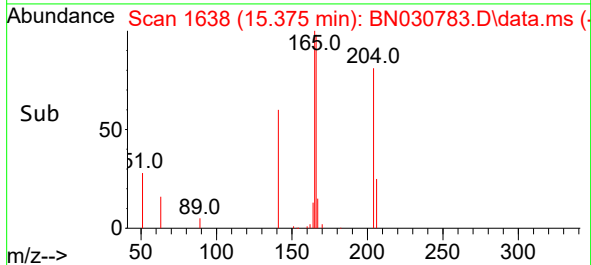
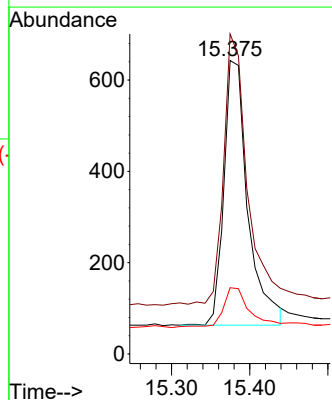
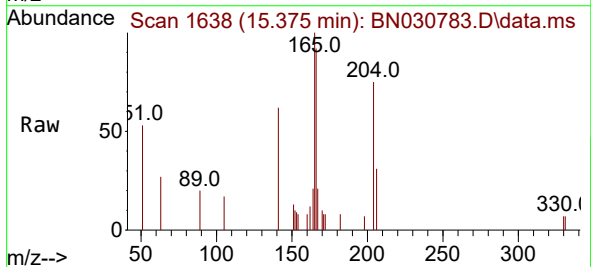
Instrument :
BNA_N
ClientSampleId :
SP-100-20240404

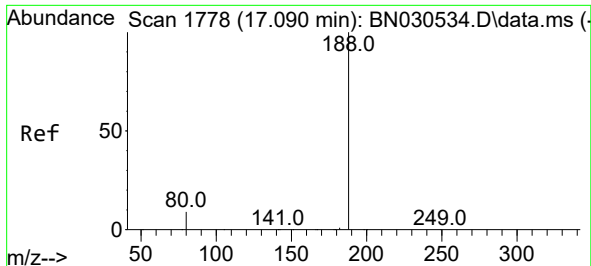
Tgt Ion:154 Resp: 621
Ion Ratio Lower Upper
154 100
153 112.2 91.0 136.6
152 58.0 47.8 71.6



#18
Fluorene
Concen: 0.032 ng
RT: 15.375 min Scan# 1638
Delta R.T. -0.021 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion:166 Resp: 1239
Ion Ratio Lower Upper
166 100
165 100.0 77.9 116.9
167 15.5 10.8 16.2

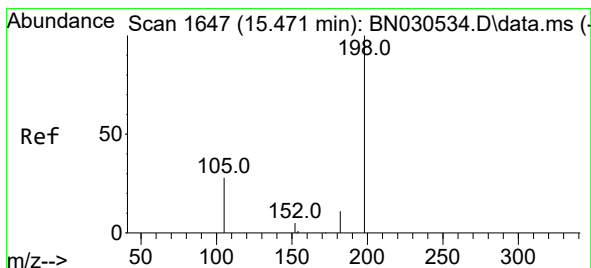
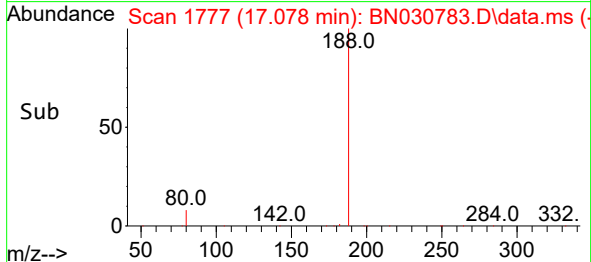
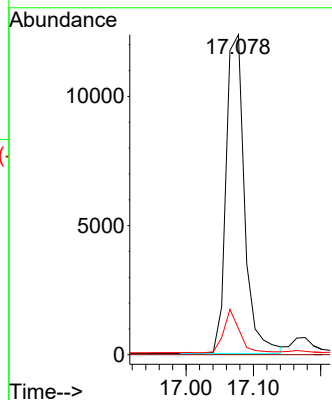
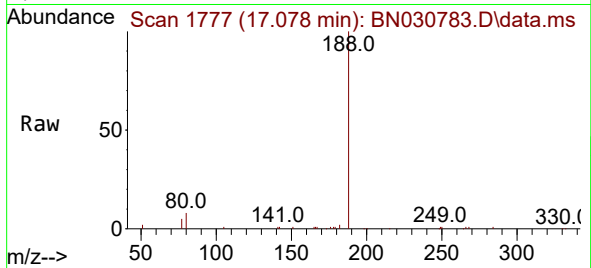




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.078 min Scan# 1777
Delta R.T. -0.012 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

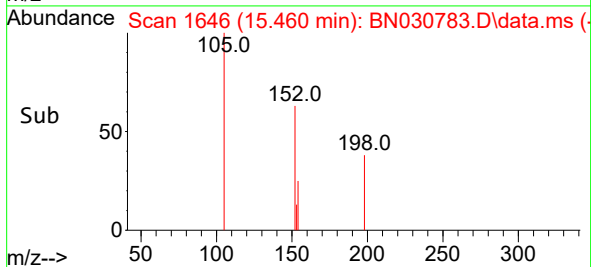
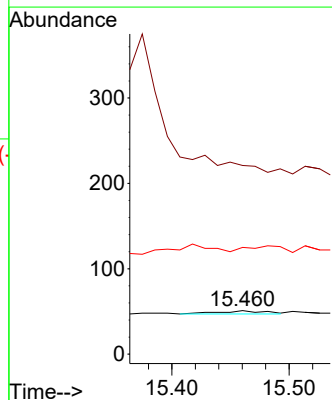
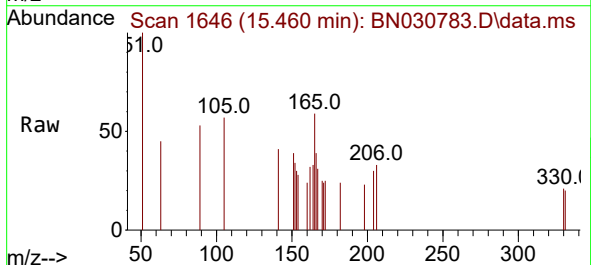
Instrument :
BNA_N
ClientSampleId :
SP-100-20240404

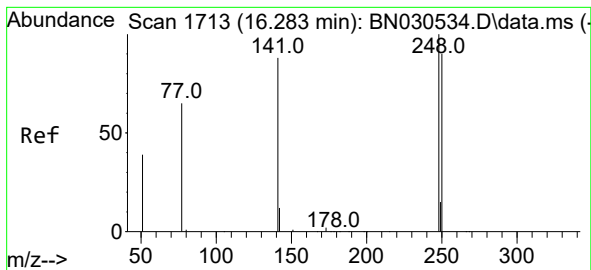
Tgt Ion:188 Resp: 23429
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 7.4 11.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.175 ng
RT: 15.460 min Scan# 1646
Delta R.T. -0.011 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion:198 Resp: 11
Ion Ratio Lower Upper
198 100
51 433.3 57.8 86.6#
105 245.1 37.5 56.3#

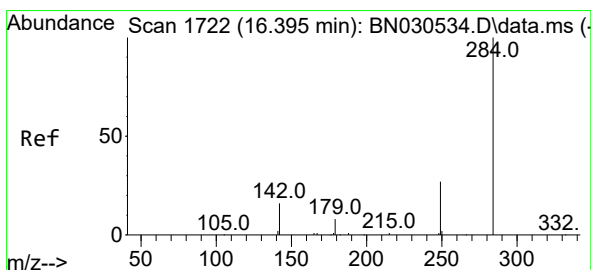
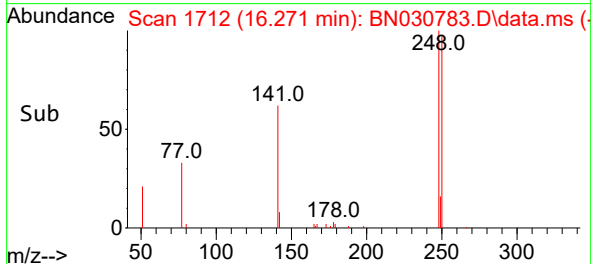
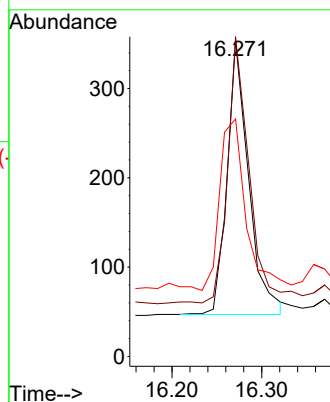
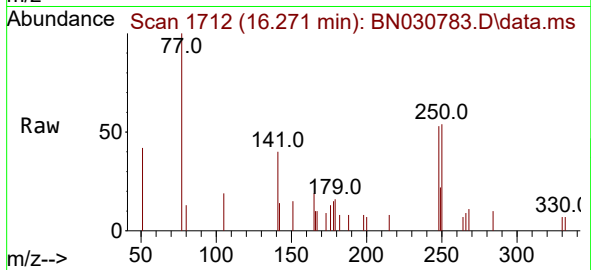




#21
4-Bromophenyl-phenylether
Concen: 0.036 ng
RT: 16.271 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

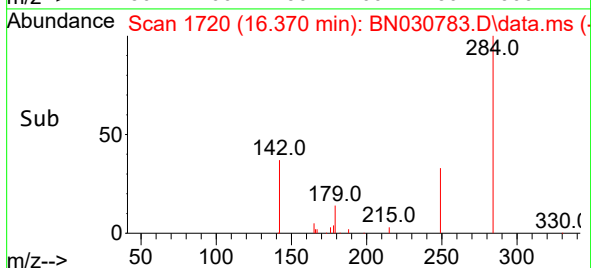
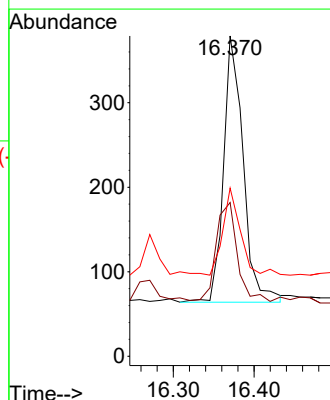
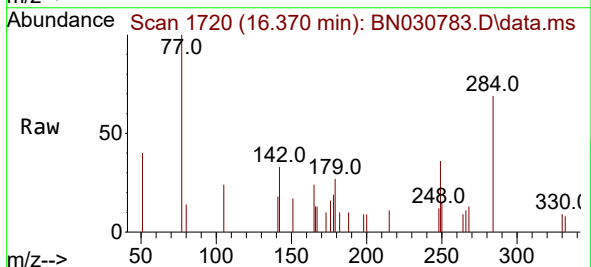
Instrument :
BNA_N
ClientSampleId :
SP-100-20240404

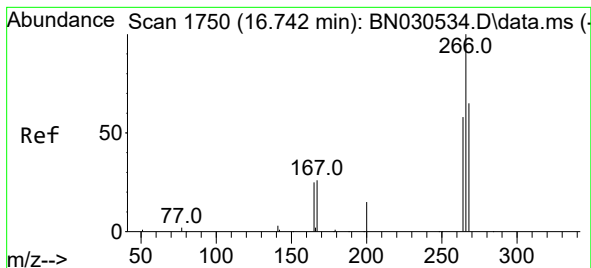
Tgt Ion:248 Resp: 510
Ion Ratio Lower Upper
248 100
250 101.1 72.2 108.2
141 75.1 71.1 106.7



#22
Hexachlorobenzene
Concen: 0.031 ng
RT: 16.370 min Scan# 1720
Delta R.T. -0.025 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion:284 Resp: 532
Ion Ratio Lower Upper
284 100
142 39.7 31.8 47.6
249 28.2 25.8 38.6





#24

Pentachlorophenol

Concen: 0.178 ng

RT: 16.718 min Scan# 1748

Delta R.T. -0.024 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

Instrument :

BNA_N

ClientSampleId :

SP-100-20240404

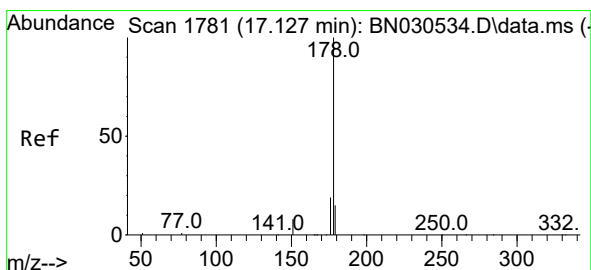
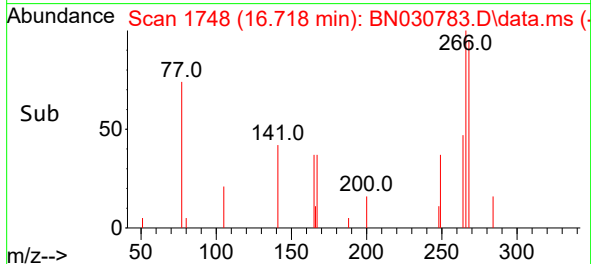
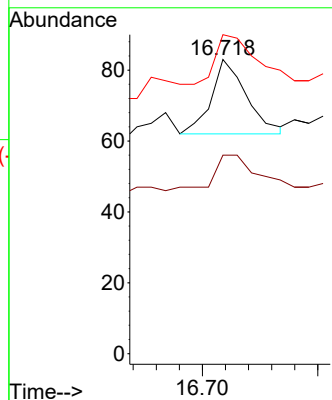
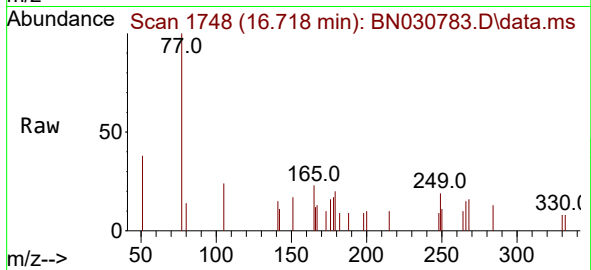
Tgt Ion:266 Resp: 45

Ion Ratio Lower Upper

266 100

264 60.0 48.7 73.1

268 77.8 49.5 74.3#



#25

Phenanthrene

Concen: 0.036 ng

RT: 17.115 min Scan# 1780

Delta R.T. -0.012 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

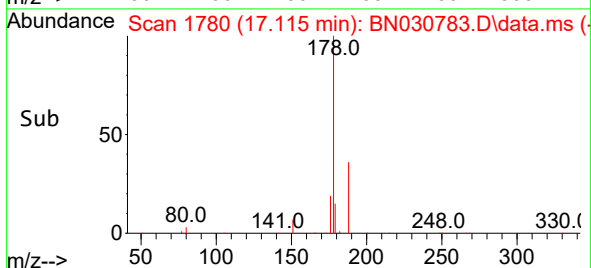
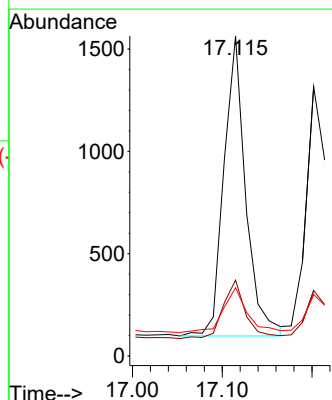
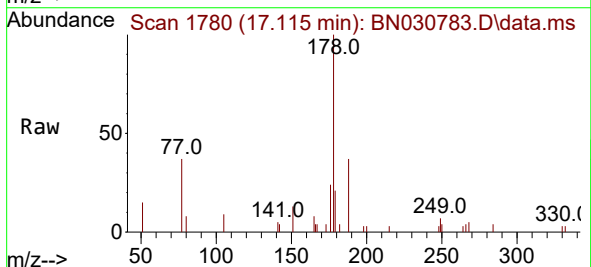
Tgt Ion:178 Resp: 2479

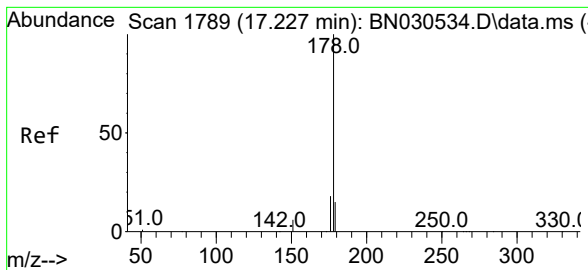
Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

179 16.2 12.4 18.6





#26

Anthracene

Concen: 0.035 ng

RT: 17.202 min Scan# 1

Delta R.T. -0.025 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

Instrument :

BNA_N

ClientSampleId :

SP-100-20240404

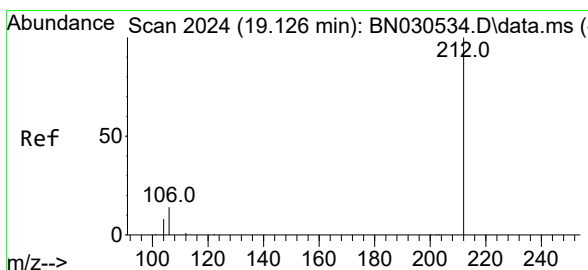
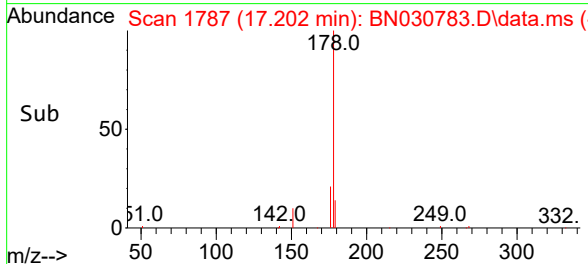
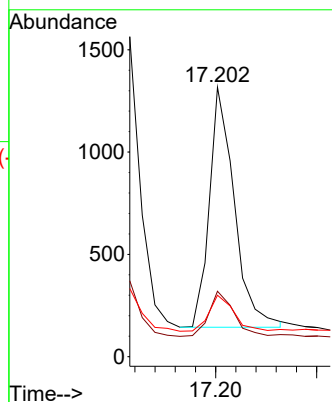
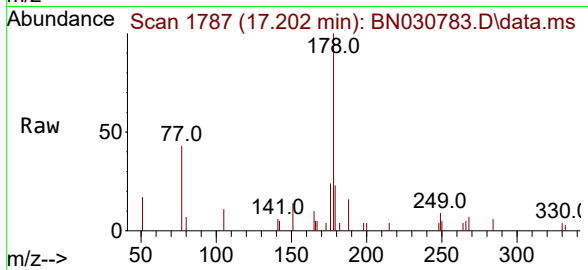
Tgt Ion:178 Resp: 2015

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 14.9 12.2 18.4



#27

Fluoranthene-d10

Concen: 0.407 ng

RT: 19.108 min Scan# 2020

Delta R.T. -0.018 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

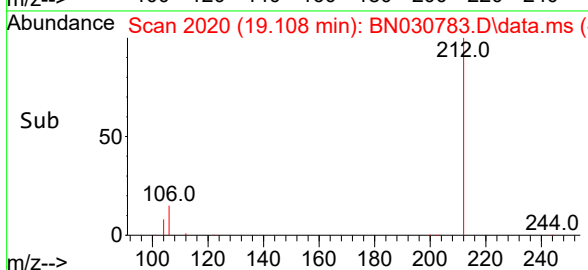
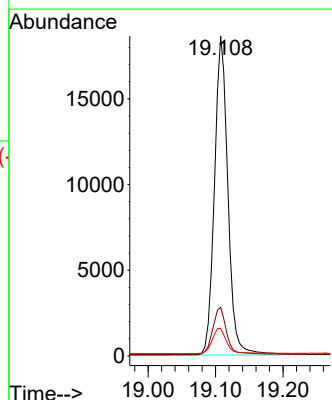
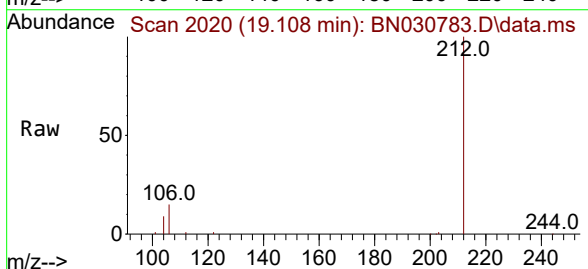
Tgt Ion:212 Resp: 25735

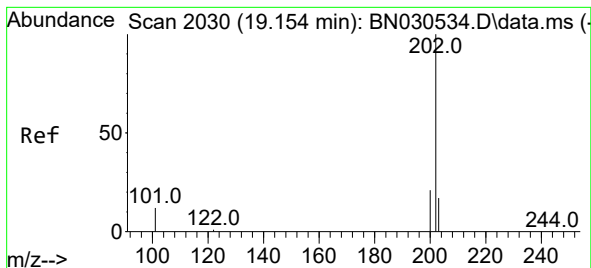
Ion Ratio Lower Upper

212 100

106 15.3 11.8 17.6

104 8.4 6.6 9.8





#28

Fluoranthene

Concen: 0.043 ng

RT: 19.140 min Scan# 2030

Delta R.T. -0.014 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

Instrument :

BNA_N

ClientSampleId :

SP-100-20240404

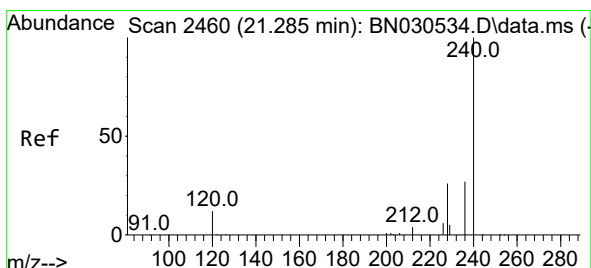
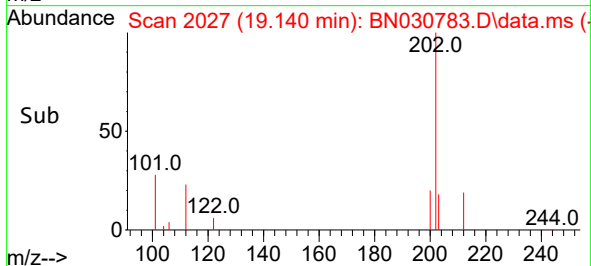
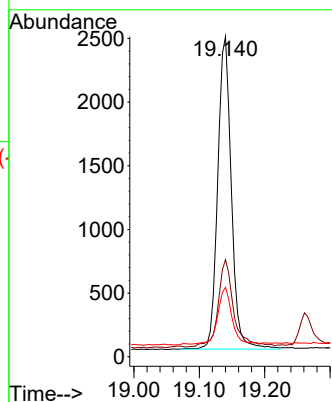
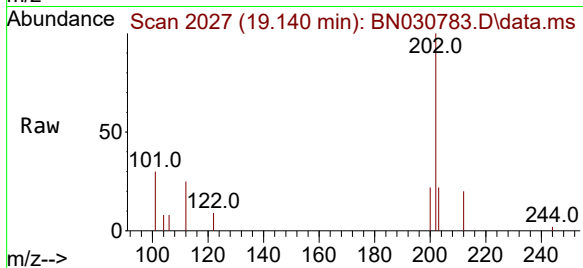
Tgt Ion:202 Resp: 3545

Ion Ratio Lower Upper

202 100

101 31.9 9.4 14.0#

203 18.4 13.7 20.5



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.267 min Scan# 2458

Delta R.T. -0.018 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

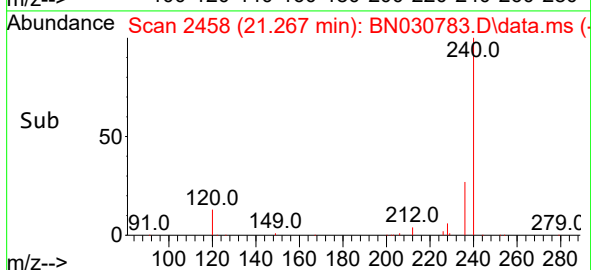
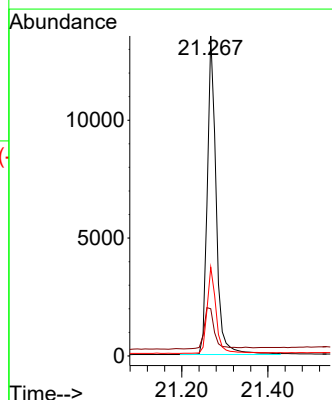
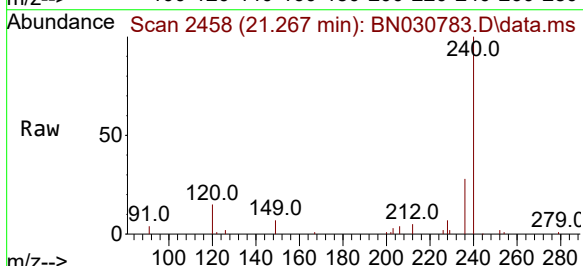
Tgt Ion:240 Resp: 19409

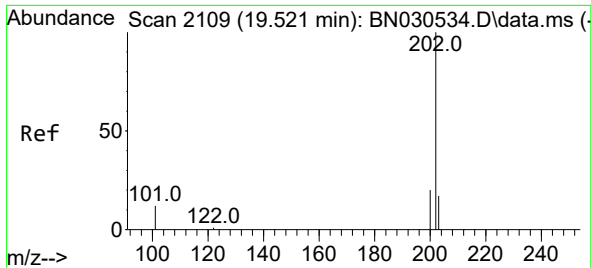
Ion Ratio Lower Upper

240 100

120 14.7 10.6 15.8

236 27.7 22.1 33.1

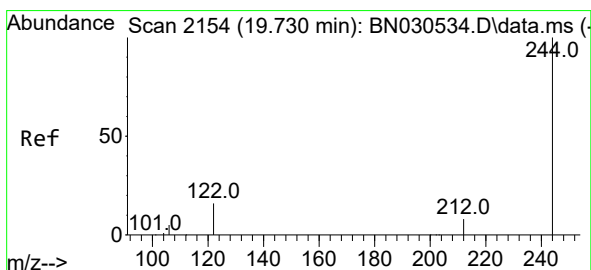
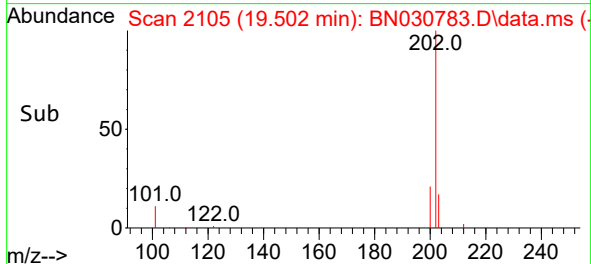
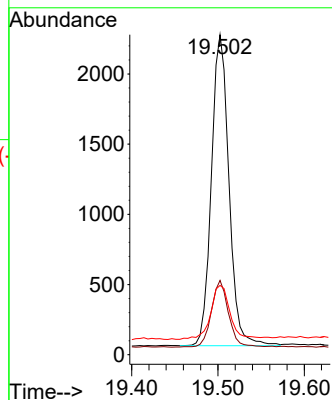
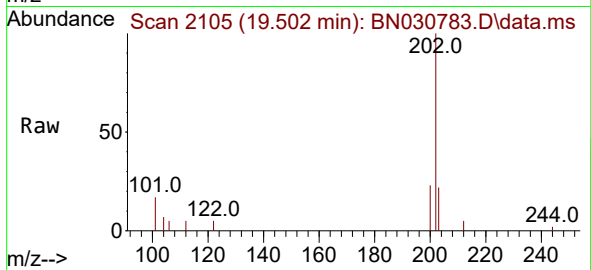




#30
 Pyrene
 Concen: 0.041 ng
 RT: 19.502 min Scan# 2105
 Delta R.T. -0.018 min
 Lab File: BN030783.D
 Acq: 08 Apr 2024 23:51

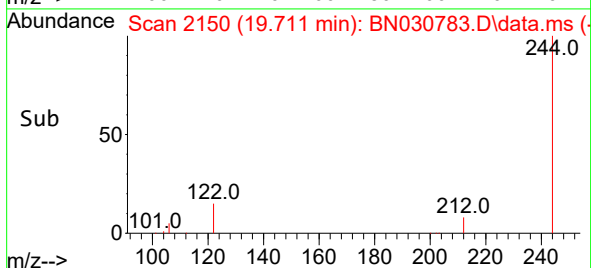
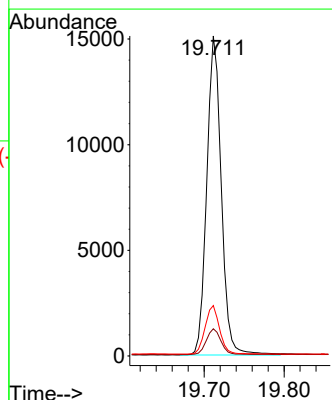
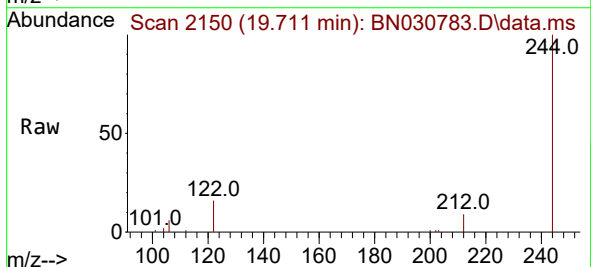
Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20240404

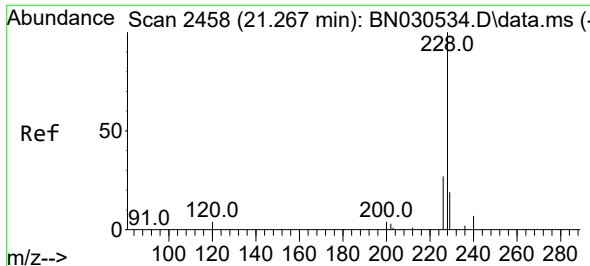
Tgt Ion:202 Resp: 3147
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 24.8
 203 19.2 14.2 21.4



#31
 Terphenyl-d14
 Concen: 0.425 ng
 RT: 19.711 min Scan# 2150
 Delta R.T. -0.018 min
 Lab File: BN030783.D
 Acq: 08 Apr 2024 23:51

Tgt Ion:244 Resp: 19036
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.9 10.3
 122 15.8 12.7 19.1

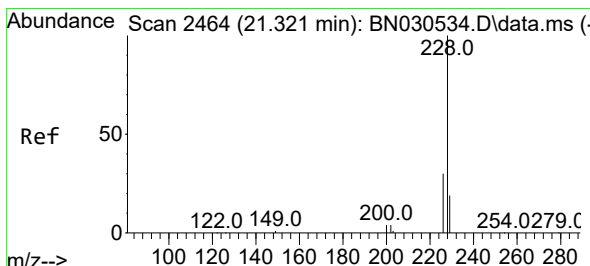
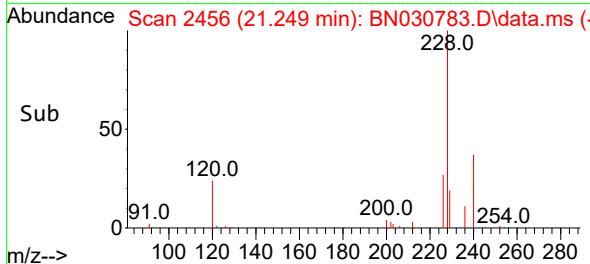
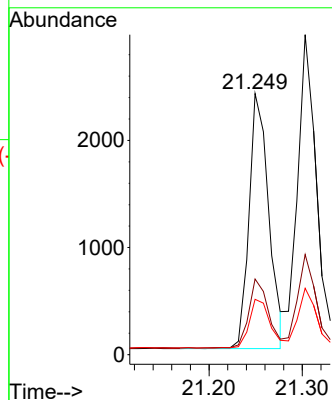
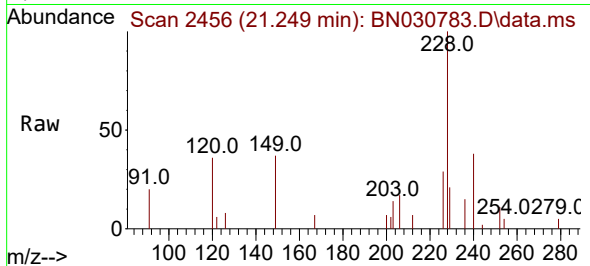




#32
Benzo(a)anthracene
Concen: 0.051 ng
RT: 21.249 min Scan# 2456
Delta R.T. -0.018 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

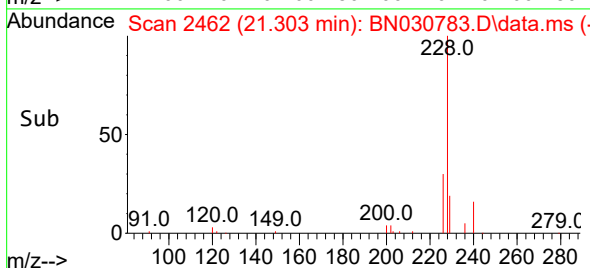
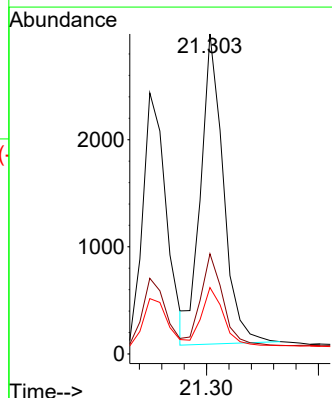
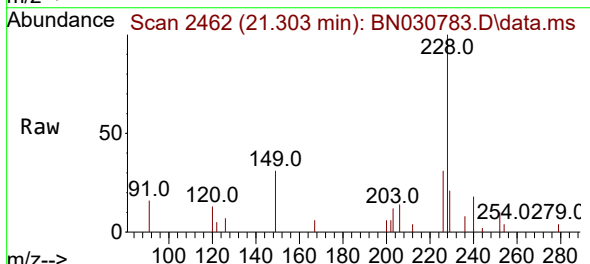
Instrument :
BNA_N
ClientSampleId :
SP-100-20240404

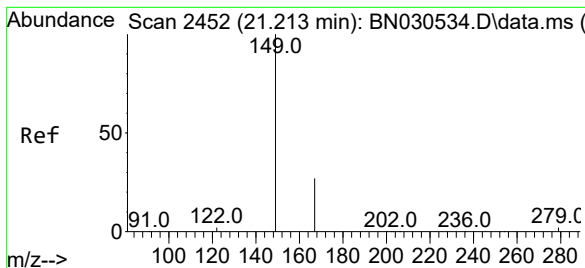
Tgt Ion:228 Resp: 3507
Ion Ratio Lower Upper
228 100
226 29.0 21.8 32.8
229 21.2 15.4 23.2



#33
Chrysene
Concen: 0.055 ng
RT: 21.303 min Scan# 2462
Delta R.T. -0.018 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion:228 Resp: 4063
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 20.7 15.8 23.6

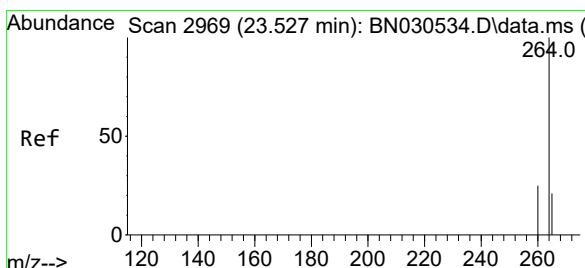
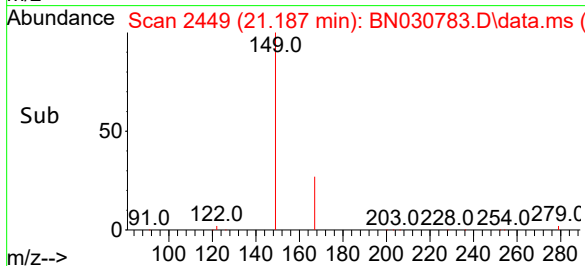
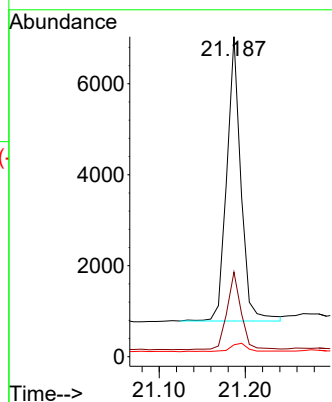
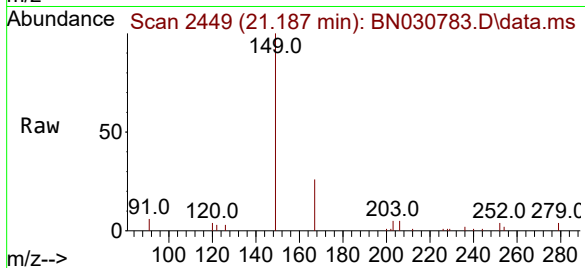




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.239 ng
 RT: 21.187 min Scan# 2449
 Delta R.T. -0.027 min
 Lab File: BN030783.D
 Acq: 08 Apr 2024 23:51

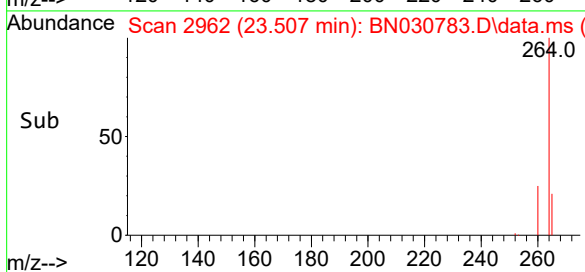
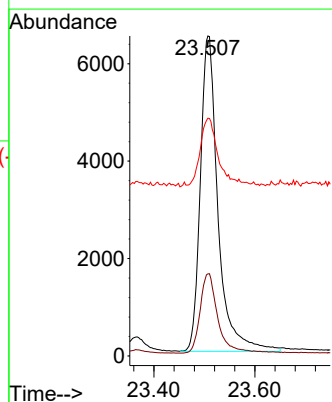
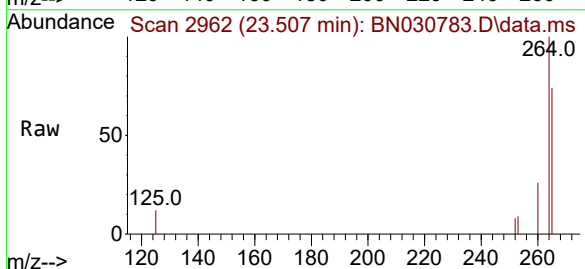
Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20240404

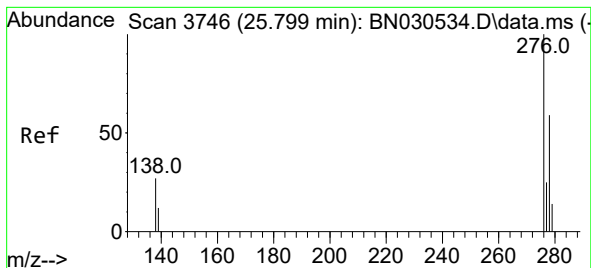
Tgt Ion:149 Resp: 7134
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.4 32.0
 279 3.9 2.3 3.5#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.507 min Scan# 2962
 Delta R.T. -0.020 min
 Lab File: BN030783.D
 Acq: 08 Apr 2024 23:51

Tgt Ion:264 Resp: 15690
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.6 30.8
 265 74.3 41.8 62.8#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.039 ng

RT: 25.784 min Scan# 31

Delta R.T. -0.015 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

Instrument :

BNA_N

ClientSampleId :

SP-100-20240404

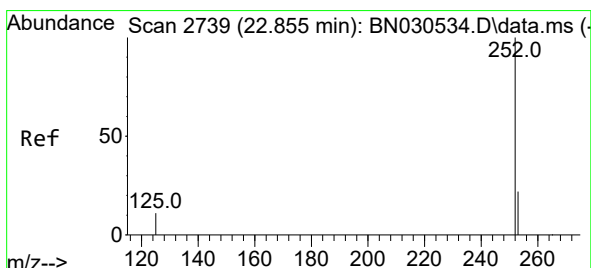
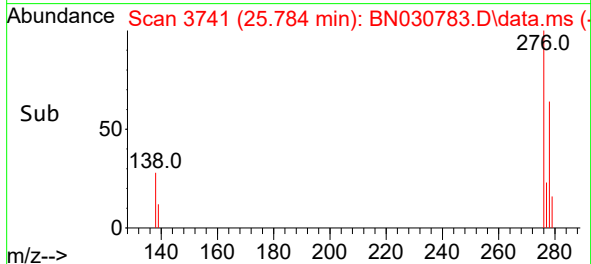
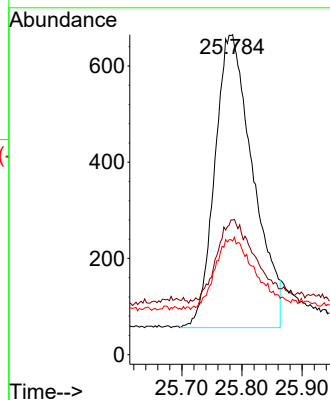
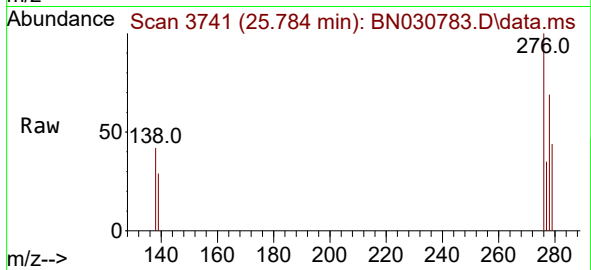
Tgt Ion:276 Resp: 2687

Ion Ratio Lower Upper

276 100

138 28.7 23.0 34.4

277 25.1 20.1 30.1



#37

Benzo(b)fluoranthene

Concen: 0.055 ng

RT: 22.834 min Scan# 2732

Delta R.T. -0.020 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

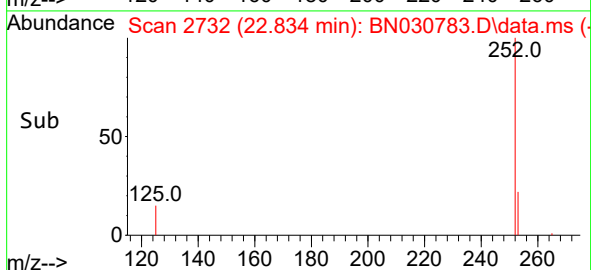
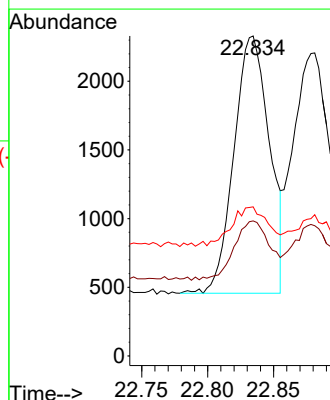
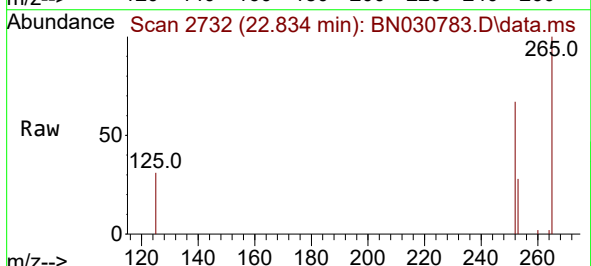
Tgt Ion:252 Resp: 3501

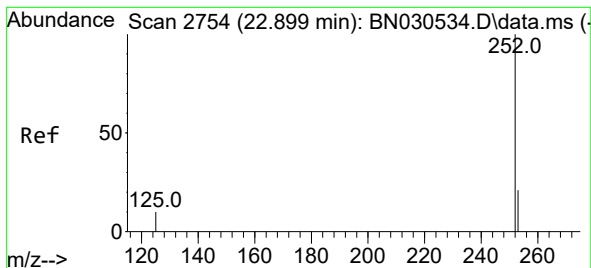
Ion Ratio Lower Upper

252 100

253 42.2 19.2 28.8#

125 46.6 11.7 17.5#





#38

Benzo(k)fluoranthene

Concen: 0.054 ng

RT: 22.881 min Scan# 21

Delta R.T. -0.017 min

Lab File: BN030783.D

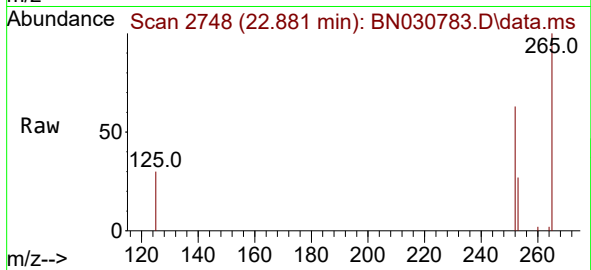
Acq: 08 Apr 2024 23:51

Instrument :

BNA_N

ClientSampleId :

SP-100-20240404



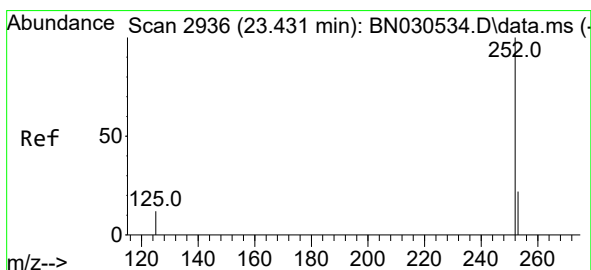
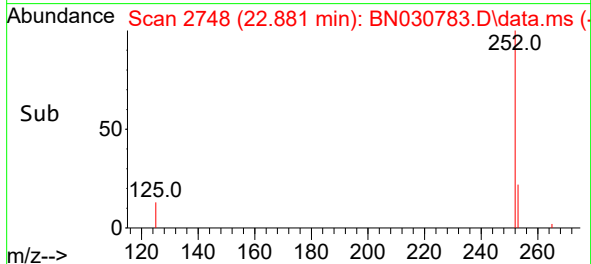
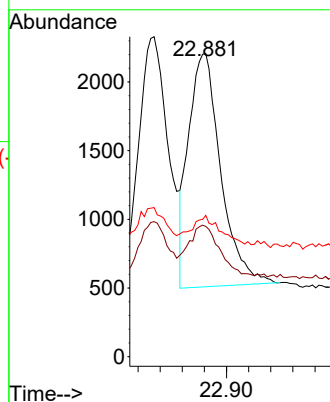
Tgt Ion:252 Resp: 3436

Ion Ratio Lower Upper

252 100

253 43.0 18.9 28.3#

125 46.6 11.5 17.3#



#39

Benzo(a)pyrene

Concen: 0.046 ng

RT: 23.407 min Scan# 2928

Delta R.T. -0.023 min

Lab File: BN030783.D

Acq: 08 Apr 2024 23:51

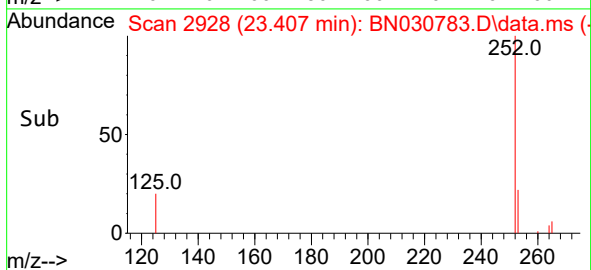
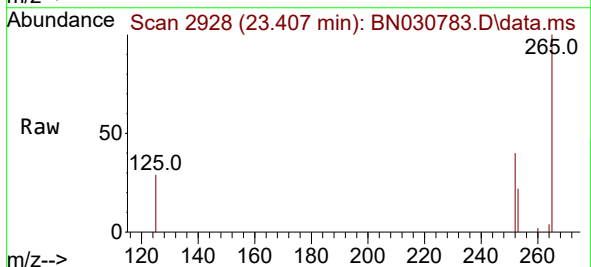
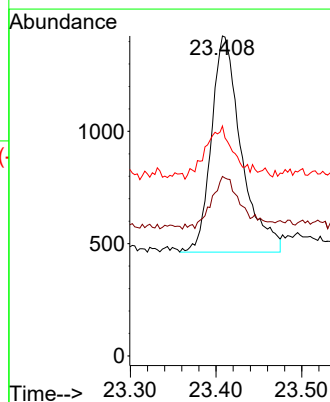
Tgt Ion:252 Resp: 2334

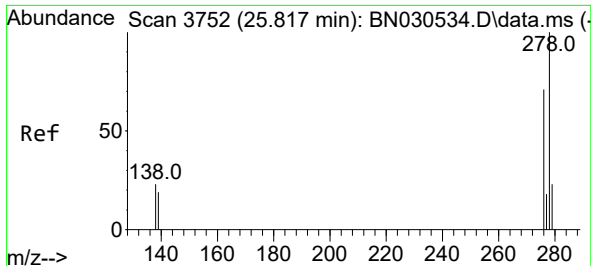
Ion Ratio Lower Upper

252 100

253 56.1 20.0 30.0#

125 71.9 14.3 21.5#

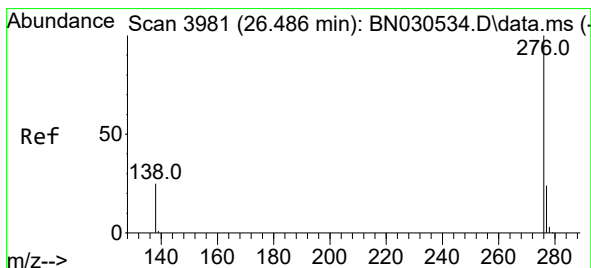
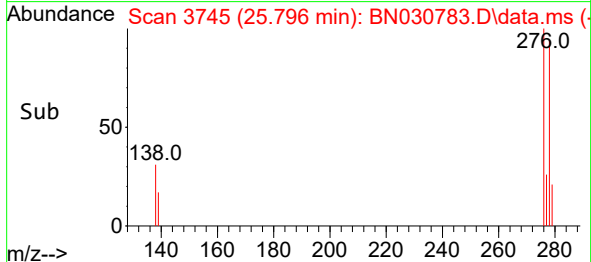
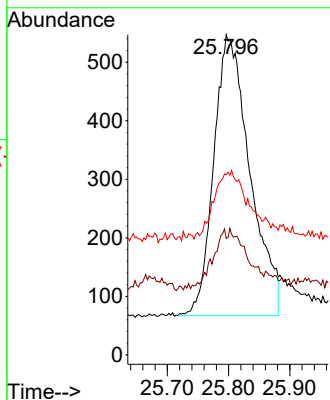
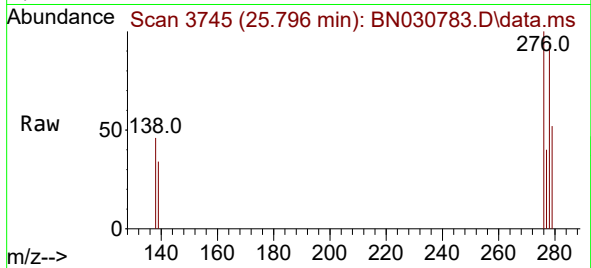




#40
Dibenzo(a,h)anthracene
Concen: 0.036 ng
RT: 25.796 min Scan# 31
Delta R.T. -0.020 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Instrument :
BNA_N
ClientSampleId :
SP-100-20240404

Tgt Ion:278 Resp: 1971
Ion Ratio Lower Upper
278 100
139 36.4 16.2 24.2#
279 56.3 20.6 30.8#



#41
Benzo(g,h,i)perylene
Concen: 0.040 ng
RT: 26.460 min Scan# 3972
Delta R.T. -0.026 min
Lab File: BN030783.D
Acq: 08 Apr 2024 23:51

Tgt Ion:276 Resp: 2346
Ion Ratio Lower Upper
276 100
277 36.9 19.8 29.6#
138 40.3 20.6 31.0#

