

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028254.D
 Acq On : 12 Oct 2023 04:39
 Operator : MA/JU
 Sample : 04805-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 M-2(0-5)

Quant Time: Oct 12 05:37:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 04:03:12 2023
 Response via : Initial Calibration

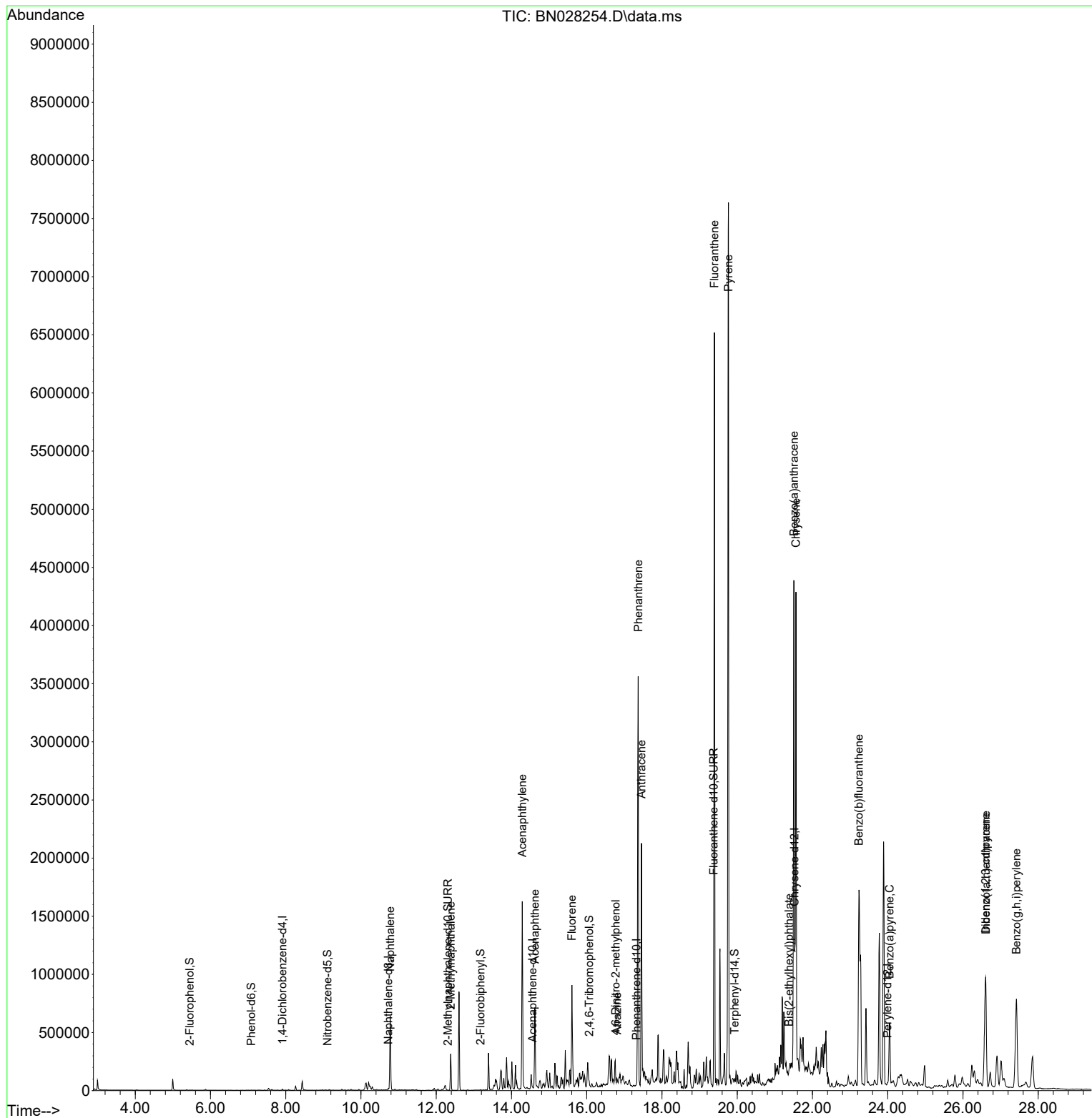
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	4898	0.400	ng	0.00
7) Naphthalene-d8	10.725	136	16972	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	13799	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	22034	0.400	ng	# 0.00
29) Chrysene-d12	21.524	240	38779	0.400	ng	# 0.00
35) Perylene-d12	23.993	264	35478	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	1238	0.085	ng	-0.01
5) Phenol-d6	7.084	99	1466	0.080	ng	0.00
8) Nitrobenzene-d5	9.112	82	1237	0.086	ng	-0.01
11) 2-Methylnaphthalene-d10	12.309	152	1988	0.079	ng	-0.02
14) 2,4,6-Tribromophenol	16.065	330	424	0.067	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	2726	0.055	ng	-0.01
27) Fluoranthene-d10	19.374	212	7262	0.131	ng	0.02
31) Terphenyl-d14	19.932	244	7139	0.079	ng	0.00
Target Compounds						
9) Naphthalene	10.778	128	811966	18.516	ng	98
12) 2-Methylnaphthalene	12.385	142	215477	7.024	ng	99
16) Acenaphthylene	14.288	152	1762312	28.830	ng	99
17) Acenaphthene	14.619	154	334815	8.592	ng	97
18) Fluorene	15.606	166	648863	12.821	ng	# 93
20) 4,6-Dinitro-2-methylph...	16.773	198	1723	5.883	ng	# 6
23) Atrazine	16.810	200	234	0.023	ng	# 1
25) Phenanthrene	17.368	178	3782452	63.674	ng	99
26) Anthracene	17.455	178	2095017	37.312	ng	# 92
28) Fluoranthene	19.393	202	5983947	87.286	ng	97
30) Pyrene	19.765	202	7356653	51.735	ng	96
32) Benzo(a)anthracene	21.506	228	3973867	30.115	ng	93
33) Chrysene	21.560	228	3264114	25.668	ng	95
34) Bis(2-ethylhexyl)phtha...	21.372	149	7183	0.083	ng	# 85
36) Indeno(1,2,3-cd)pyrene	26.604	276	1709824	14.328	ng	97
37) Benzo(b)fluoranthene	23.236	252	3478835	30.361	ng	# 89
39) Benzo(a)pyrene	24.051	252	678301	6.261	ng	91
40) Dibenzo(a,h)anthracene	26.607	278	516982	5.296	ng	96
41) Benzo(g,h,i)perylene	27.422	276	1792810	17.892	ng	95

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

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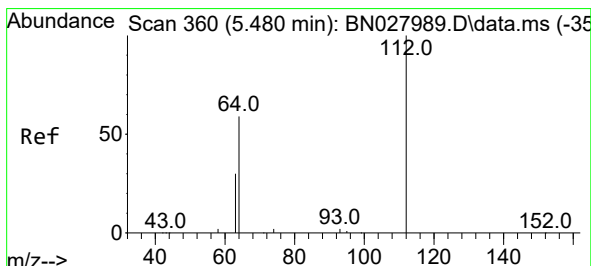
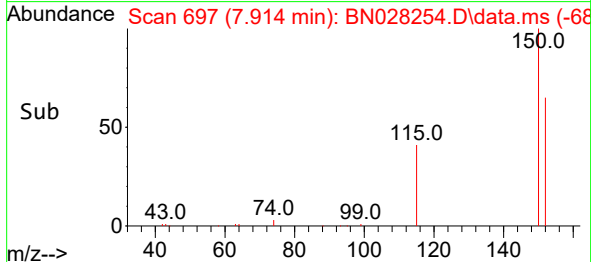
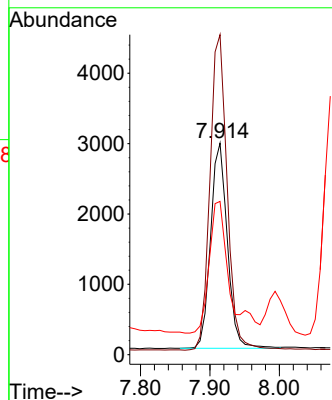
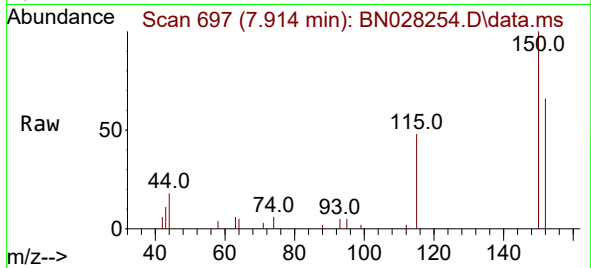




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.914 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN028254.D
 Acq: 12 Oct 2023 04:39

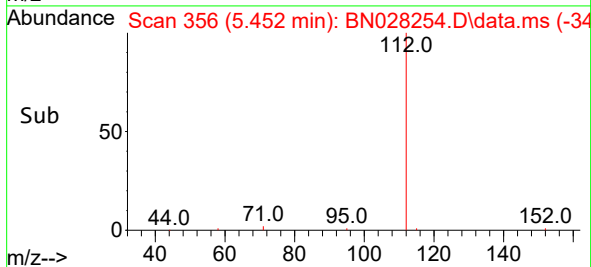
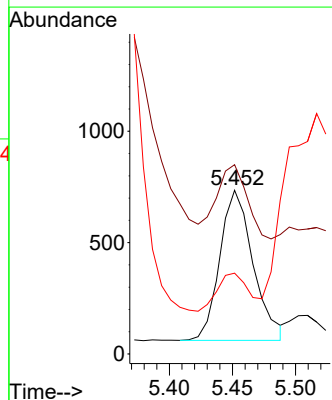
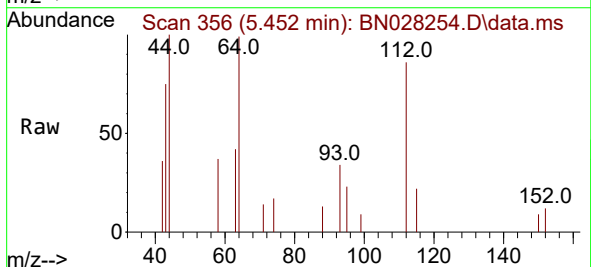
Instrument :
 BNA_N
 ClientSampleId :
 M-2(0-5)

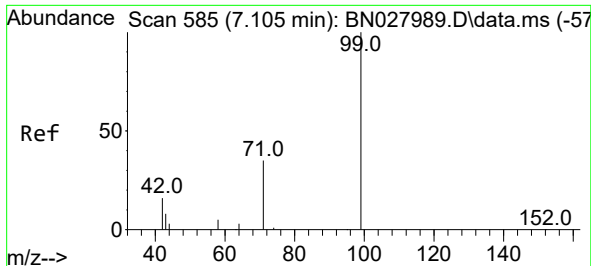
Tgt Ion:152 Resp: 4898
 Ion Ratio Lower Upper
 152 100
 150 151.2 125.6 188.4
 115 72.5 54.8 82.2



#4
 2-Fluorophenol
 Concen: 0.085 ng
 RT: 5.452 min Scan# 356
 Delta R.T. -0.014 min
 Lab File: BN028254.D
 Acq: 12 Oct 2023 04:39

Tgt Ion:112 Resp: 1238
 Ion Ratio Lower Upper
 112 100
 64 44.7 45.0 67.6#
 63 24.6 23.4 35.0

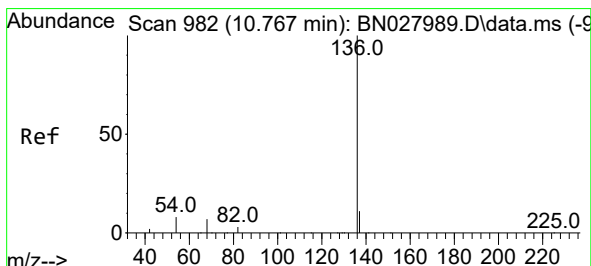
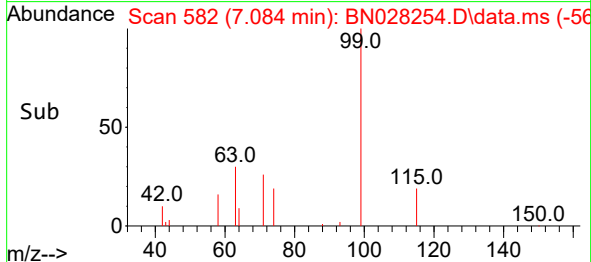
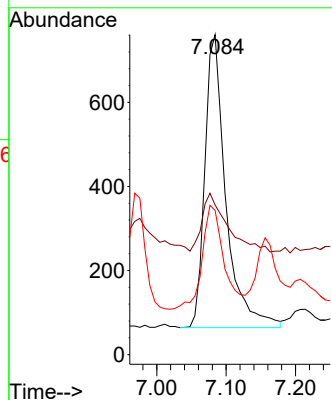
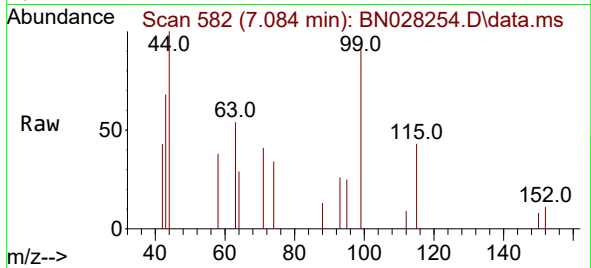




#5
Phenol-d6
Concen: 0.080 ng
RT: 7.084 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

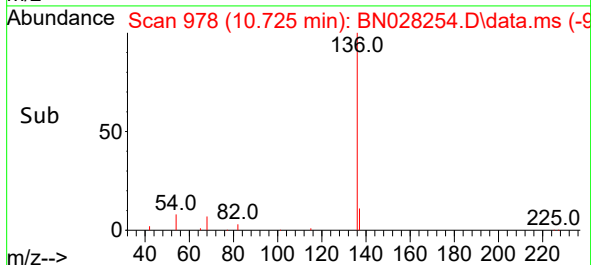
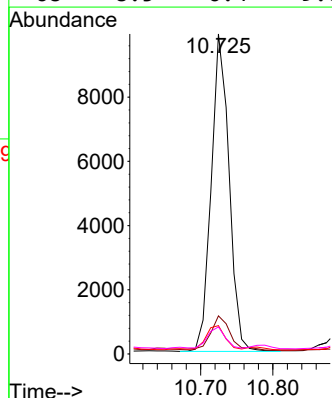
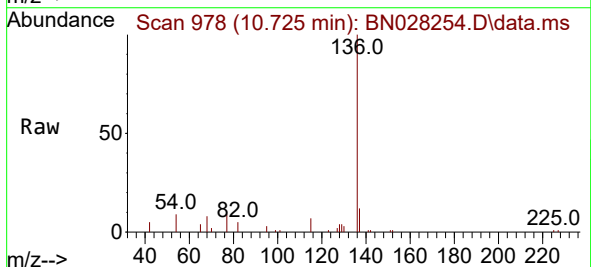
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)

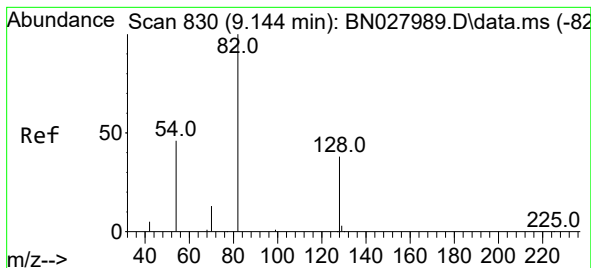
Tgt Ion: 99 Resp: 1466
Ion Ratio Lower Upper
99 100
42 23.7 14.6 22.0#
71 37.1 28.3 42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.725 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Tgt Ion: 136 Resp: 16972
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 8.9 7.0 10.6
68 8.5 6.4 9.6

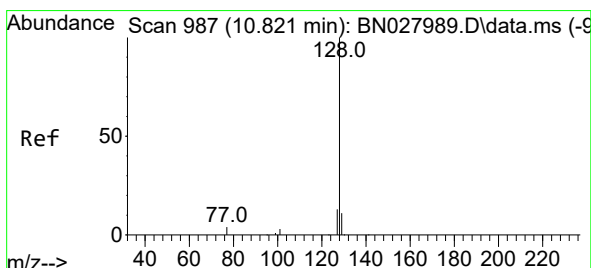
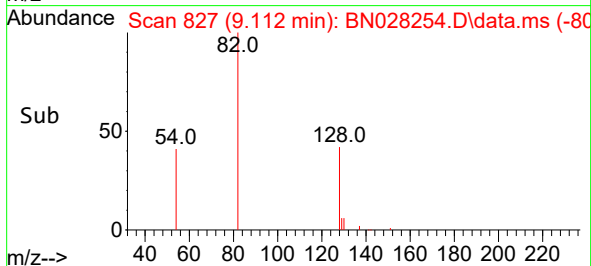
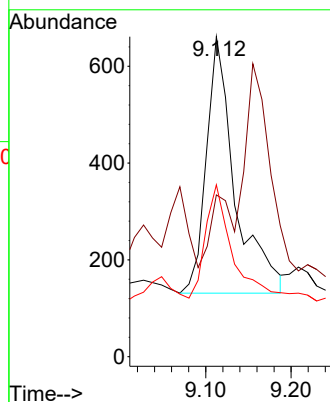
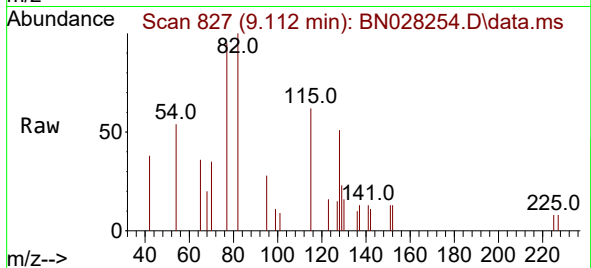




#8
Nitrobenzene-d5
Concen: 0.086 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

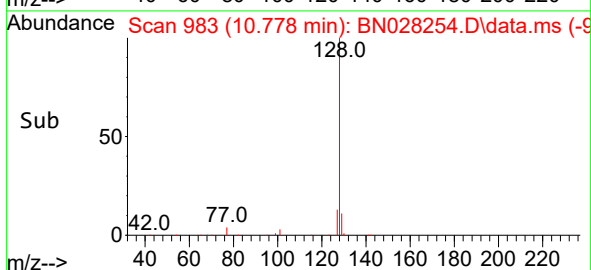
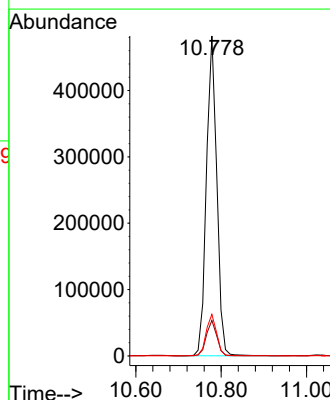
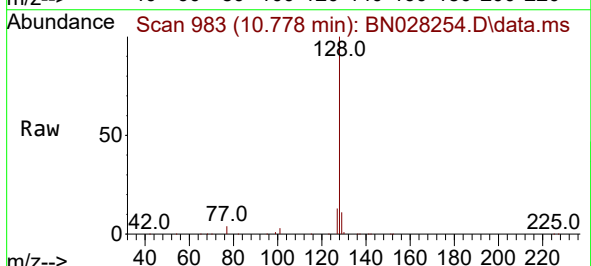
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)

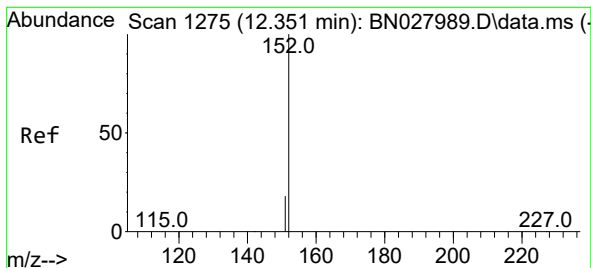
Tgt Ion: 82 Resp: 1237
Ion Ratio Lower Upper
82 100
128 50.5 32.7 49.1#
54 53.7 38.7 58.1



#9
Naphthalene
Concen: 18.516 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Tgt Ion:128 Resp: 811966
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.0 10.9 16.3

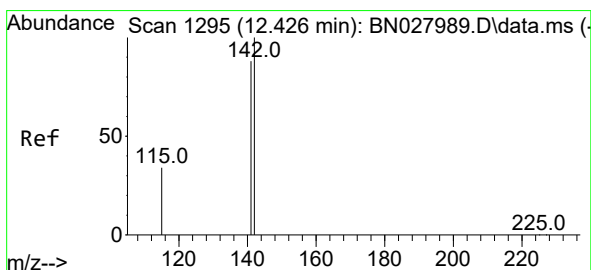
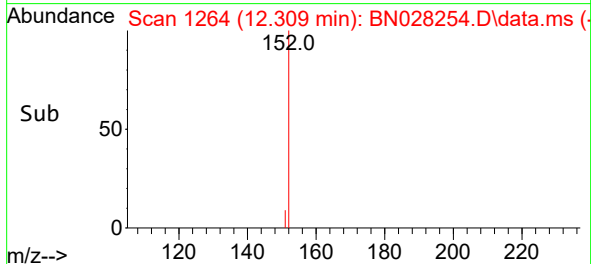
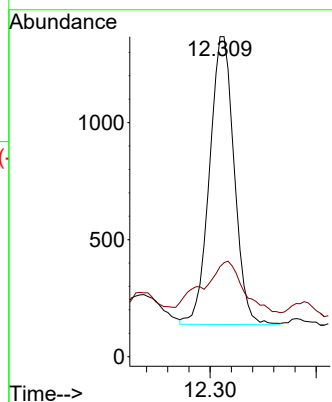
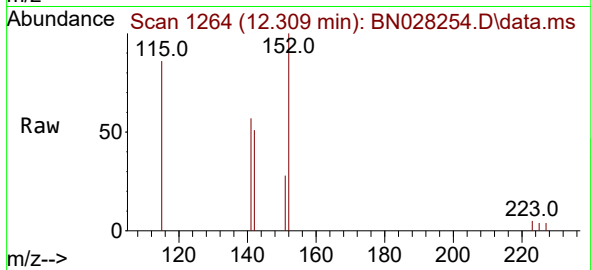




#11
2-Methylnaphthalene-d10
Concen: 0.079 ng
RT: 12.309 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

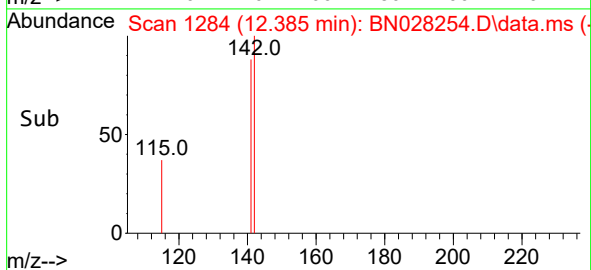
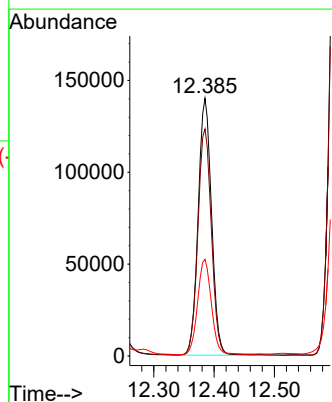
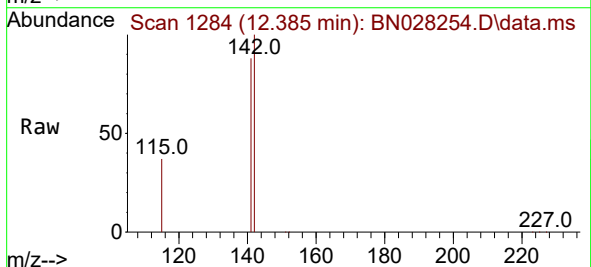
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)

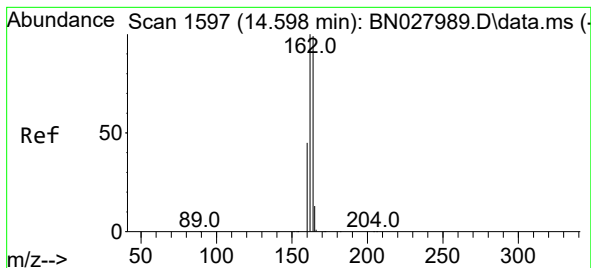
Tgt Ion:152 Resp: 1988
Ion Ratio Lower Upper
152 100
151 33.0 16.5 24.7#



#12
2-Methylnaphthalene
Concen: 7.024 ng
RT: 12.385 min Scan# 1284
Delta R.T. -0.015 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Tgt Ion:142 Resp: 215477
Ion Ratio Lower Upper
142 100
141 88.1 70.7 106.1
115 37.5 28.6 42.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.555 min Scan# 1593

Delta R.T. -0.011 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

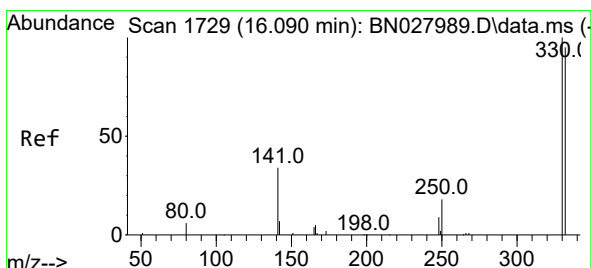
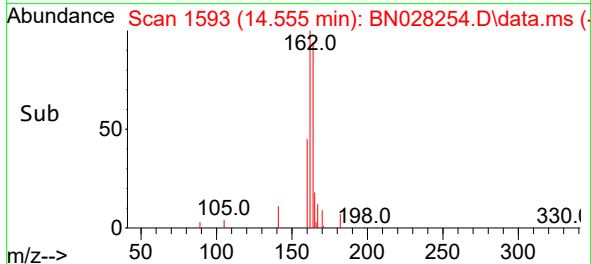
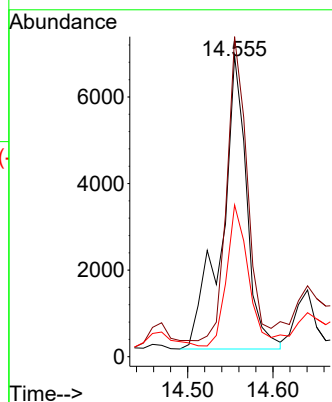
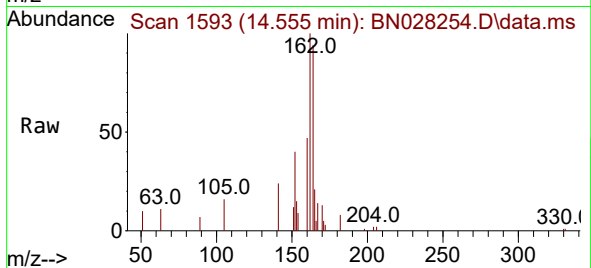
Tgt Ion:164 Resp: 13799

Ion Ratio Lower Upper

164 100

162 106.3 80.8 121.2

160 50.4 36.4 54.6



#14

2,4,6-Tribromophenol

Concen: 0.067 ng

RT: 16.065 min Scan# 1727

Delta R.T. -0.012 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

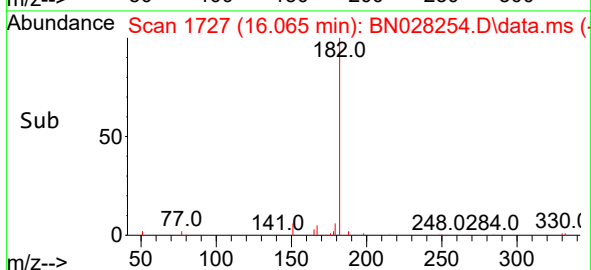
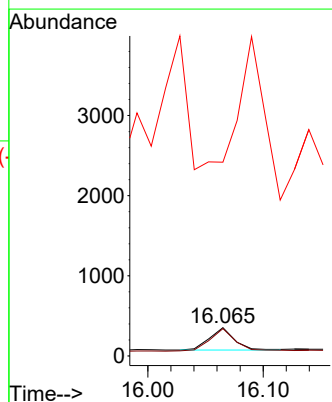
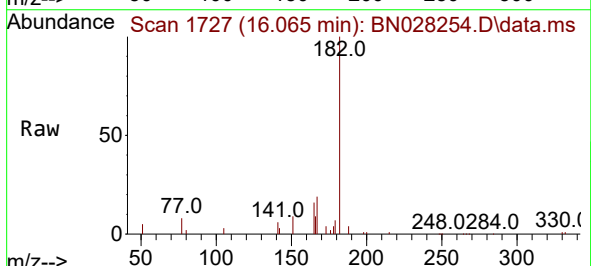
Tgt Ion:330 Resp: 424

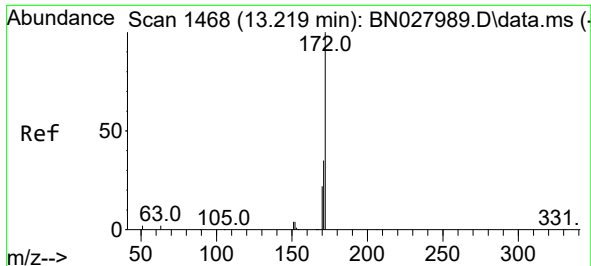
Ion Ratio Lower Upper

330 100

332 103.8 78.1 117.1

141 0.0 33.4 50.2#

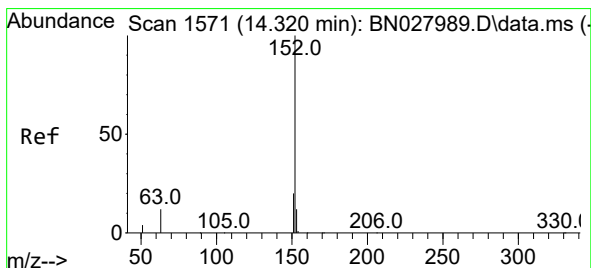
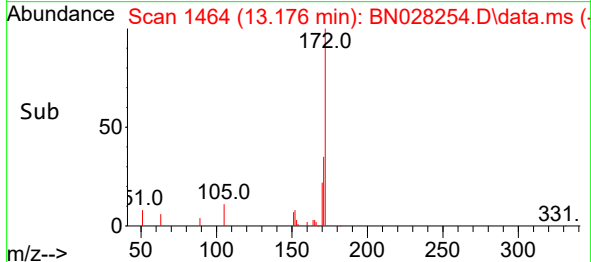
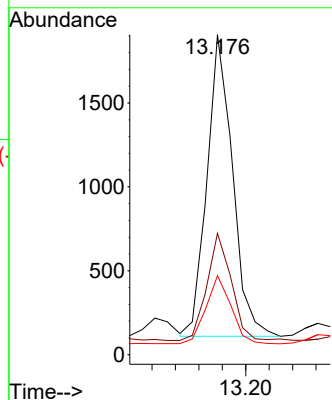
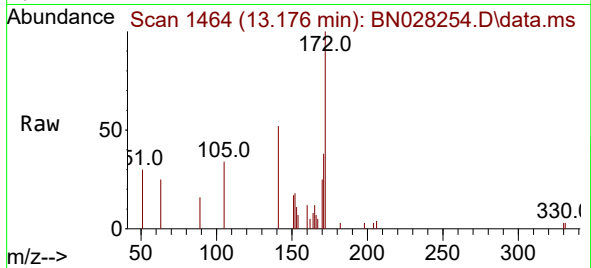




#15
2-Fluorobiphenyl
Concen: 0.055 ng
RT: 13.176 min Scan# 1468
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

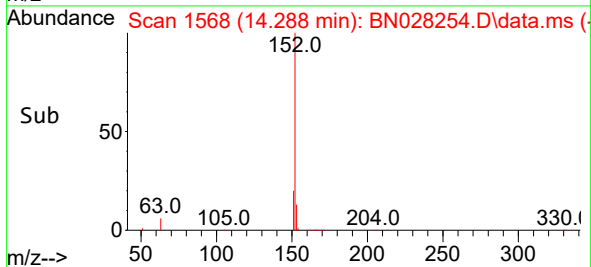
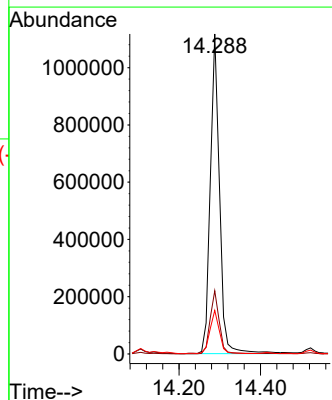
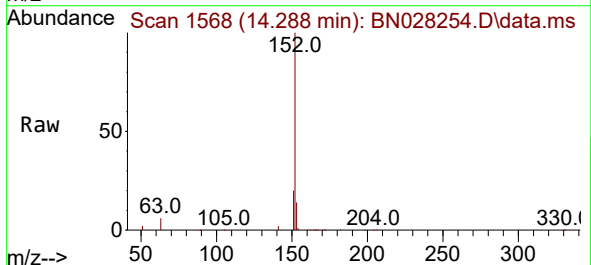
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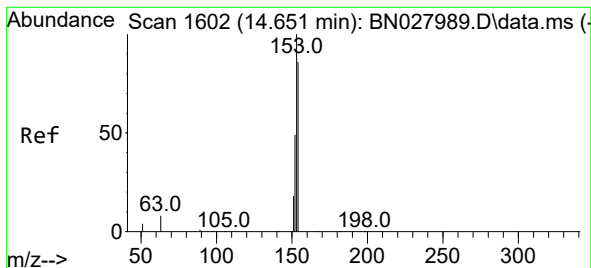
Tgt Ion:172 Resp: 2726
Ion Ratio Lower Upper
172 100
171 38.0 28.1 42.1
170 24.7 18.4 27.6



#16
Acenaphthylene
Concen: 28.830 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Tgt Ion:152 Resp: 1762312
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.9 10.2 15.4





#17

Acenaphthene

Concen: 8.592 ng

RT: 14.619 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

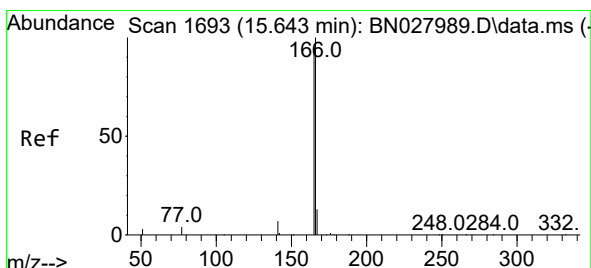
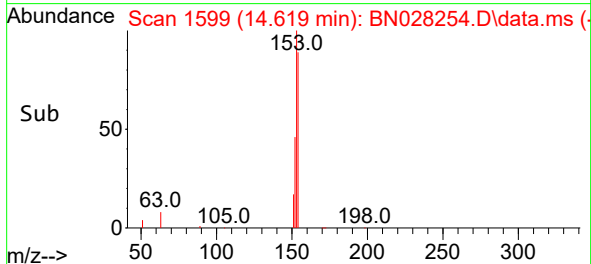
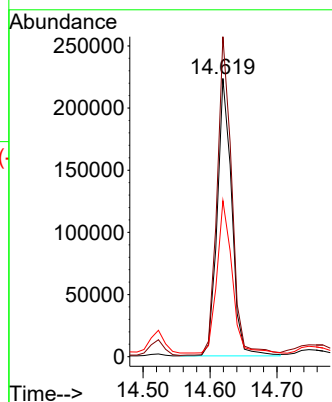
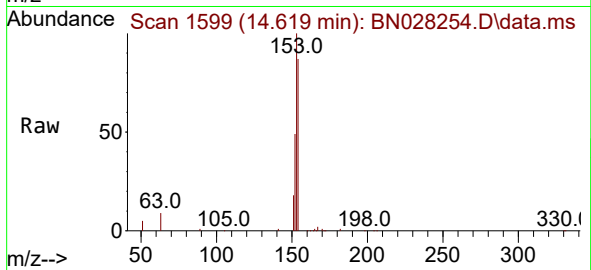
Tgt Ion:154 Resp: 334815

Ion Ratio Lower Upper

154 100

153 116.6 90.8 136.2

152 57.2 43.9 65.9



#18

Fluorene

Concen: 12.821 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.012 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

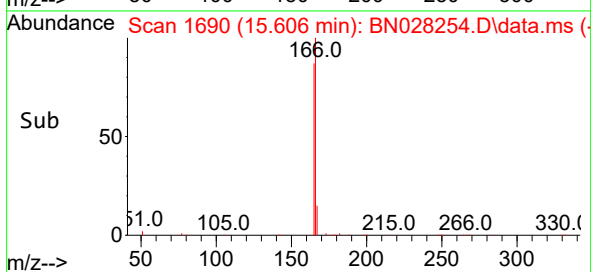
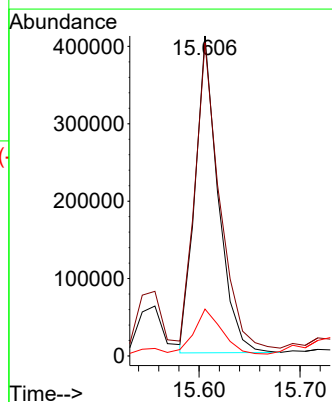
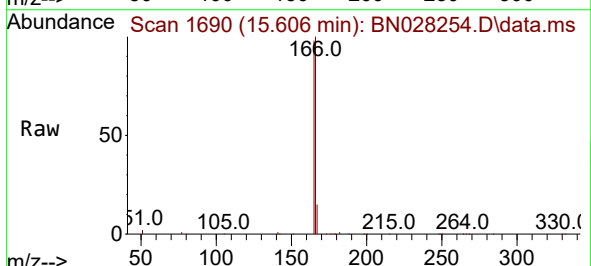
Tgt Ion:166 Resp: 648863

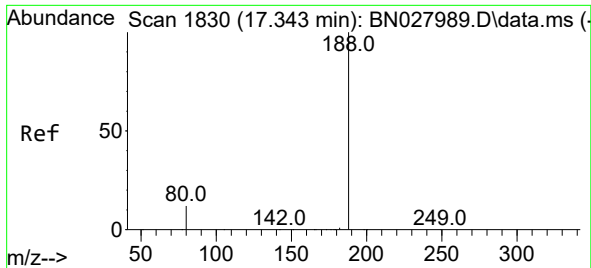
Ion Ratio Lower Upper

166 100

165 103.0 77.8 116.8

167 18.9 10.7 16.1#

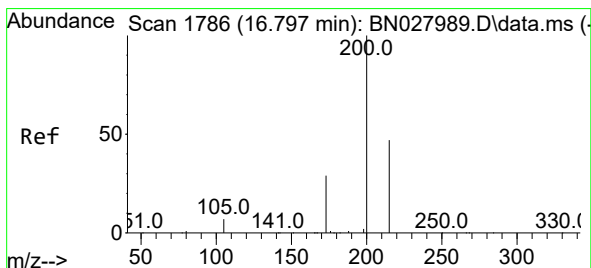
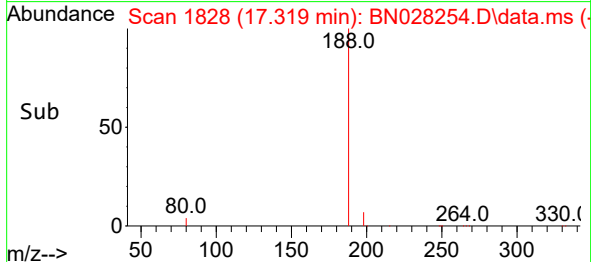
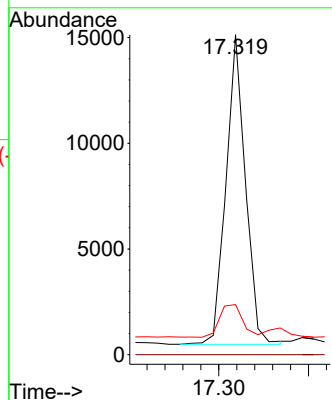
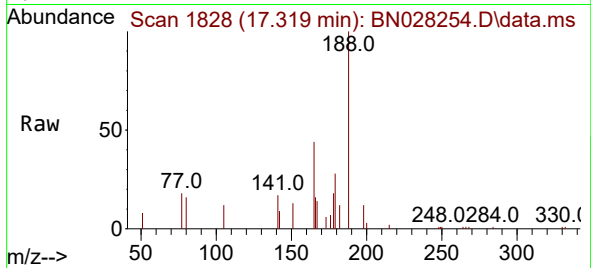




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

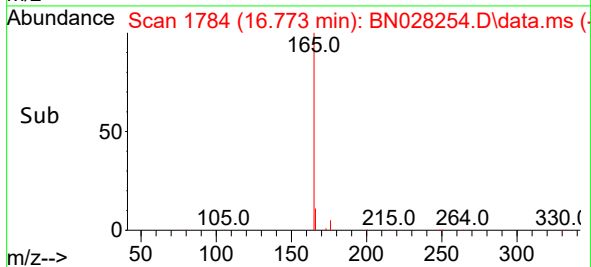
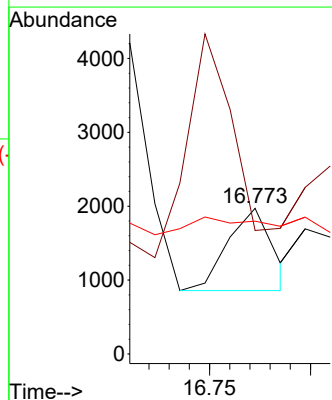
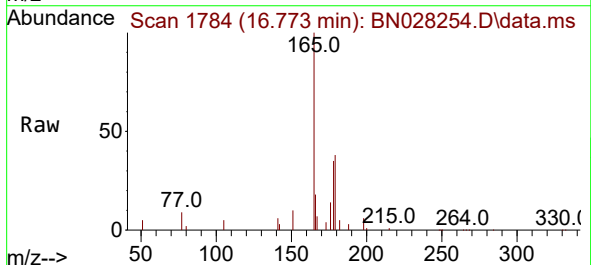
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)

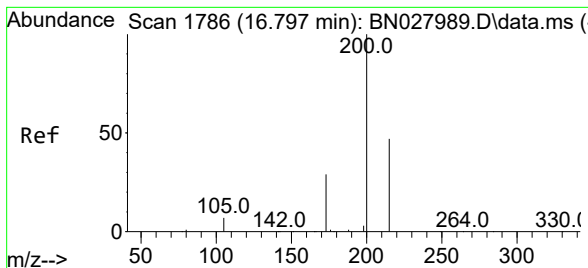
Tgt Ion:188 Resp: 22034
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.6 10.2 15.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 5.883 ng
RT: 16.773 min Scan# 1784
Delta R.T. -0.012 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Tgt Ion:198 Resp: 1723
Ion Ratio Lower Upper
198 100
51 84.8 180.7 271.1#
105 91.2 222.2 333.2#





#23

Atrazine

Concen: 0.023 ng

RT: 16.810 min Scan# 11

Delta R.T. 0.025 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

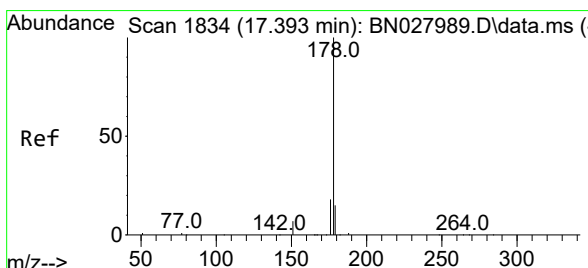
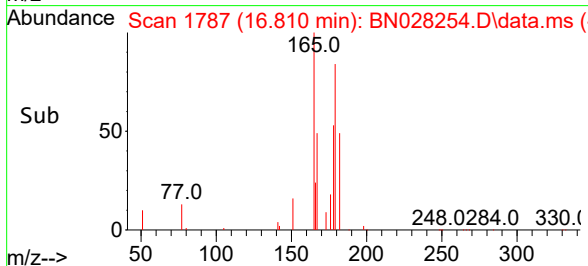
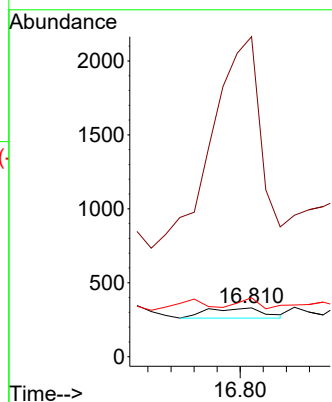
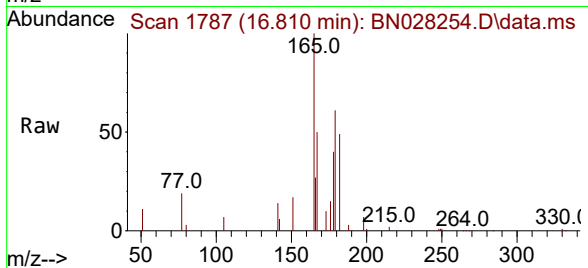
Tgt Ion:200 Resp: 234

Ion Ratio Lower Upper

200 100

173 655.8 24.7 37.1#

215 120.6 39.0 58.6#



#25

Phenanthrene

Concen: 63.674 ng

RT: 17.368 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

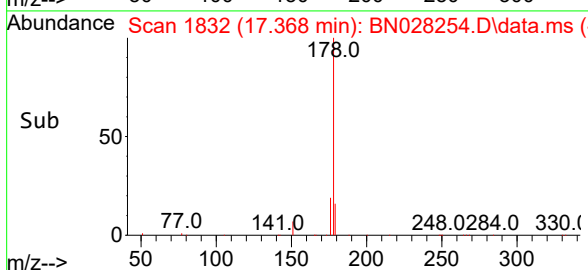
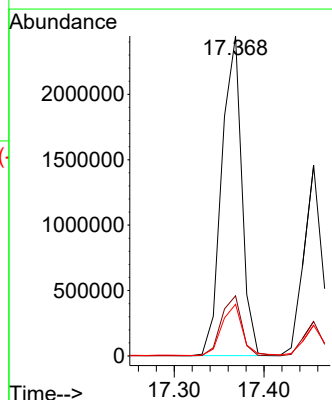
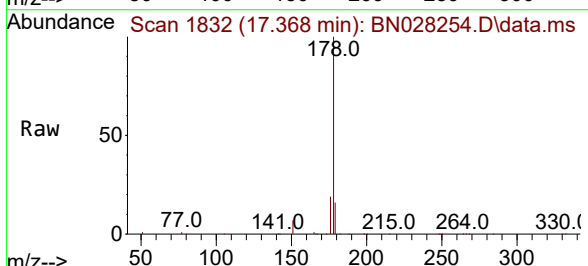
Tgt Ion:178 Resp: 3782452

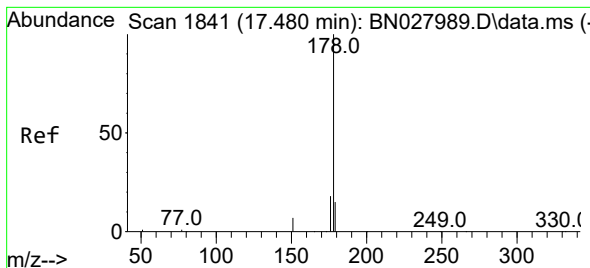
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 16.4 12.4 18.6





#26

Anthracene

Concen: 37.312 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

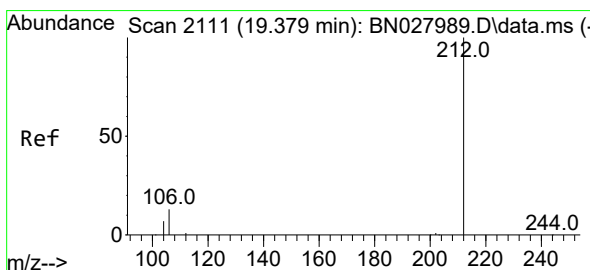
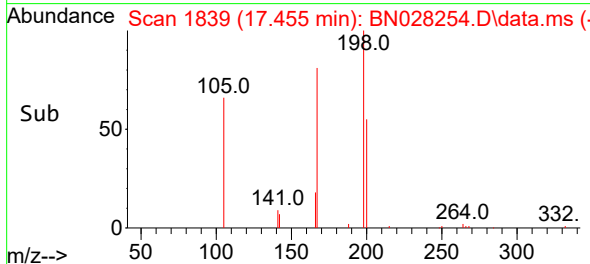
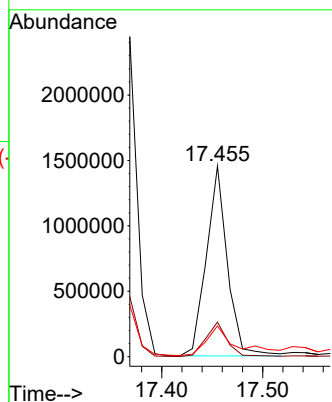
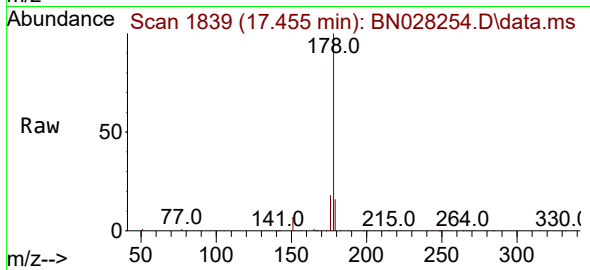
Tgt Ion:178 Resp: 2095017

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 22.6 12.2 18.2#



#27

Fluoranthene-d10

Concen: 0.131 ng

RT: 19.374 min Scan# 2110

Delta R.T. 0.019 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

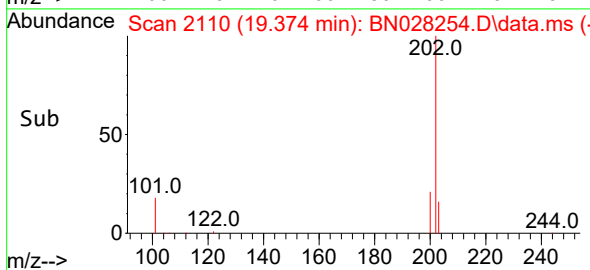
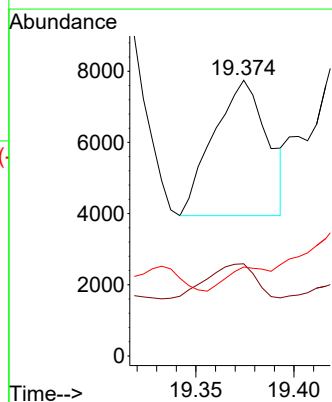
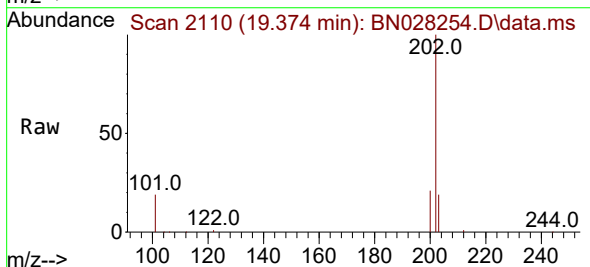
Tgt Ion:212 Resp: 7262

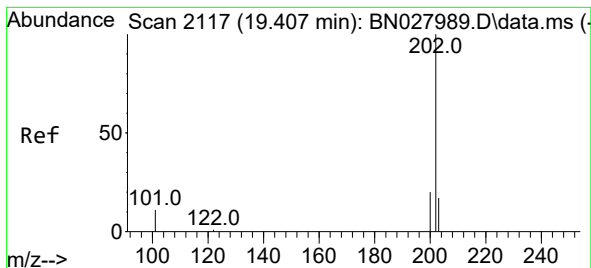
Ion Ratio Lower Upper

212 100

106 23.1 11.3 16.9#

104 13.8 6.4 9.6#





#28

Fluoranthene

Concen: 87.286 ng

RT: 19.393 min Scan# 2114

Delta R.T. 0.009 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

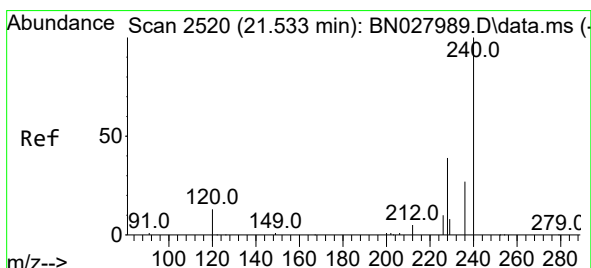
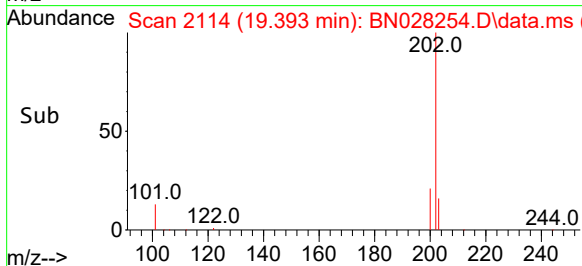
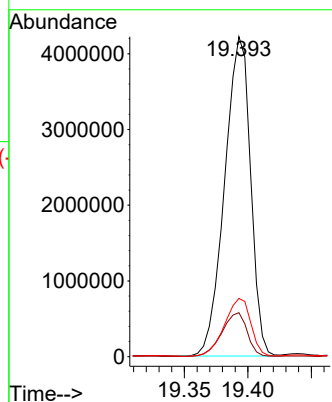
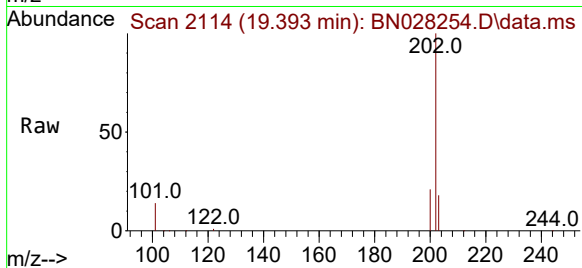
Tgt Ion:202 Resp: 5983947

Ion Ratio Lower Upper

202 100

101 13.4 9.8 14.6

203 18.3 13.8 20.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.524 min Scan# 2519

Delta R.T. 0.009 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

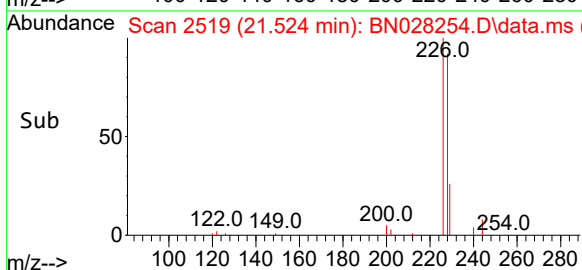
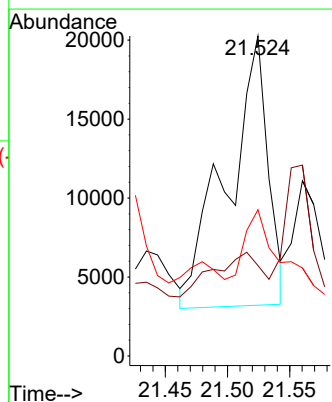
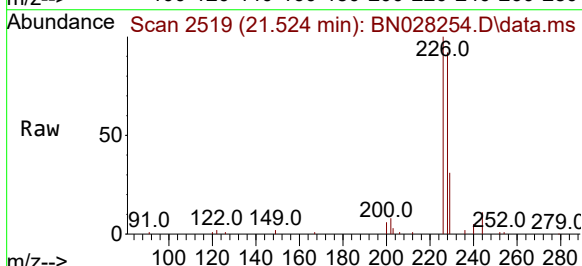
Tgt Ion:240 Resp: 38779

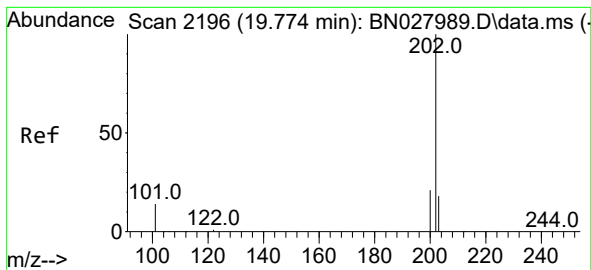
Ion Ratio Lower Upper

240 100

120 28.3 13.8 20.6#

236 45.7 22.6 33.8#





#30

Pyrene

Concen: 51.735 ng

RT: 19.765 min Scan# 2196

Delta R.T. 0.014 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

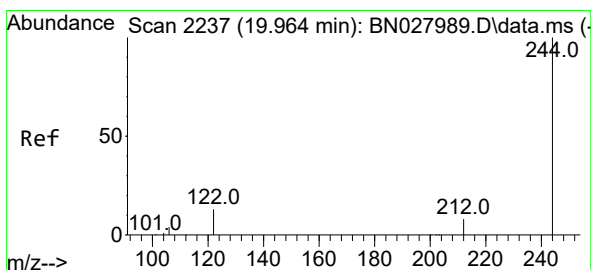
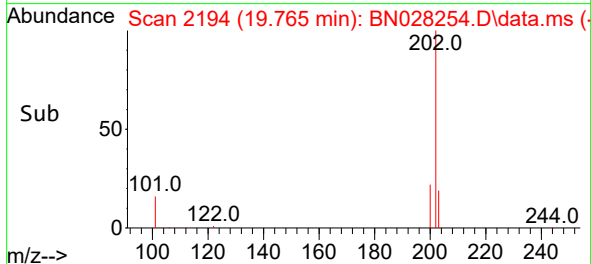
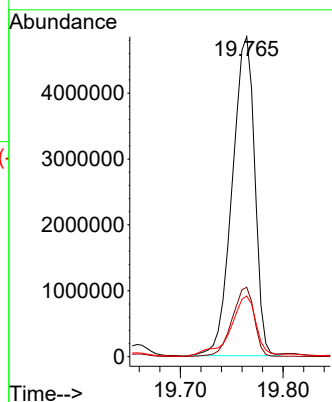
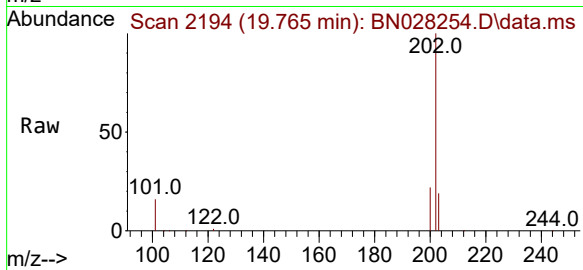
Tgt Ion:202 Resp: 7356653

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 21.3 14.7 22.1



#31

Terphenyl-d14

Concen: 0.079 ng

RT: 19.932 min Scan# 2230

Delta R.T. -0.009 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

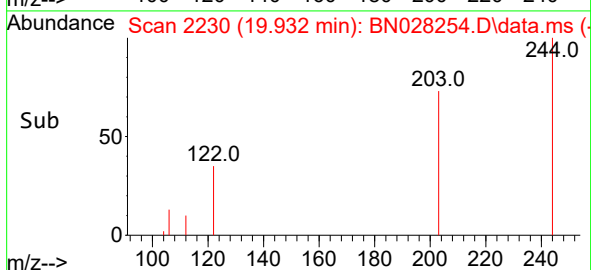
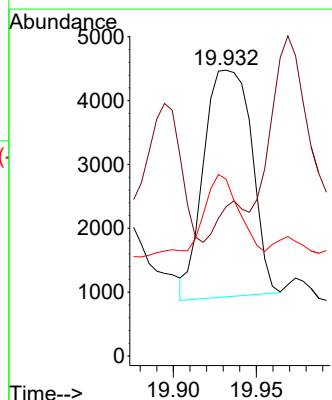
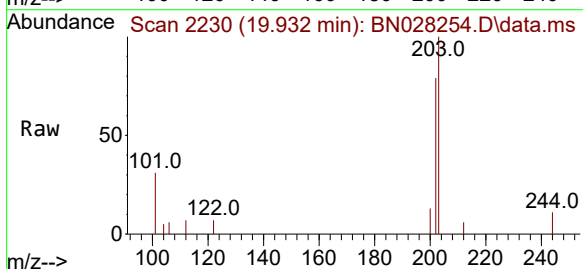
Tgt Ion:244 Resp: 7139

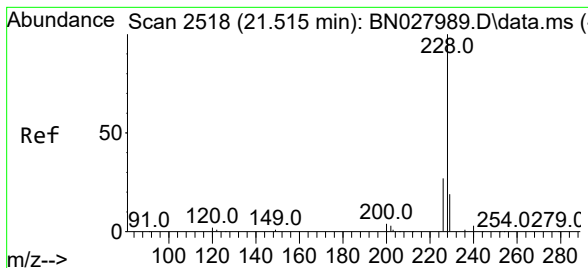
Ion Ratio Lower Upper

244 100

212 52.3 6.6 9.8#

122 61.9 11.4 17.0#





#32

Benzo(a)anthracene

Concen: 30.115 ng

RT: 21.506 min Scan# 21506

Delta R.T. 0.009 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

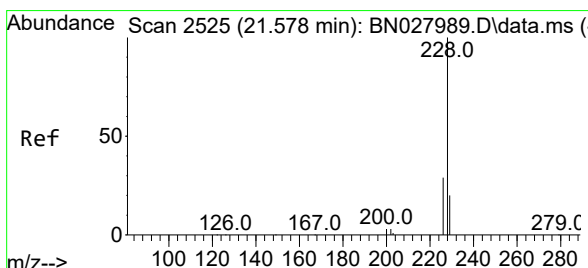
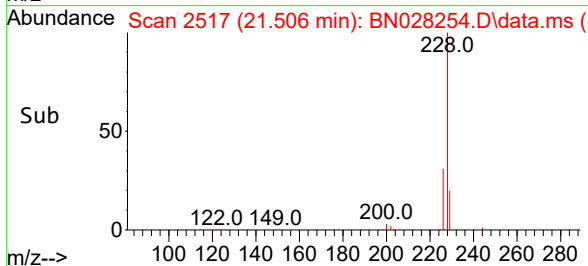
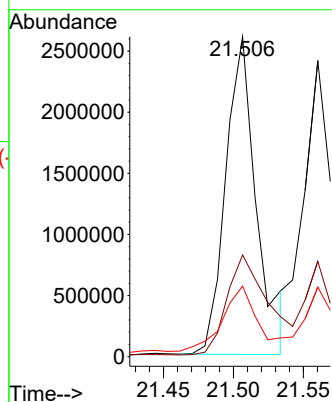
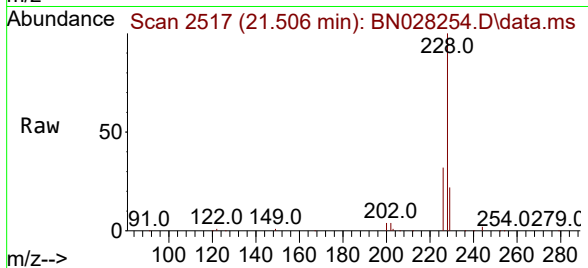
Tgt Ion:228 Resp: 3973867

Ion Ratio Lower Upper

228 100

226 31.8 22.0 33.0

229 22.0 16.0 24.0



#33

Chrysene

Concen: 25.668 ng

RT: 21.560 min Scan# 2523

Delta R.T. 0.009 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

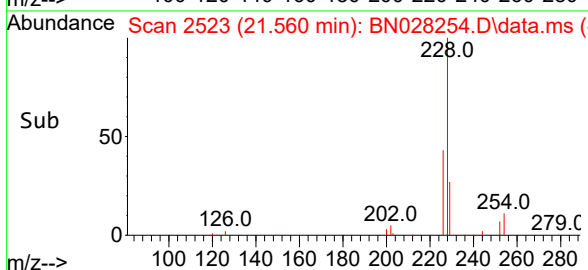
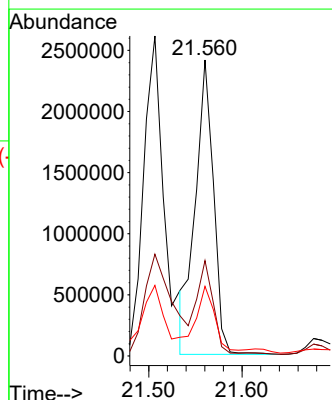
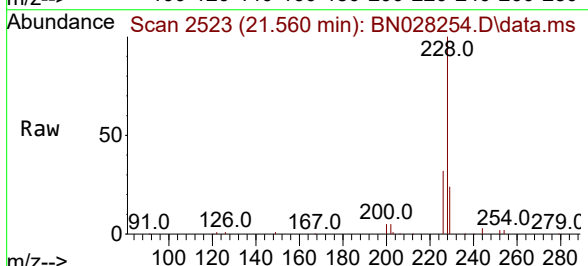
Tgt Ion:228 Resp: 3264114

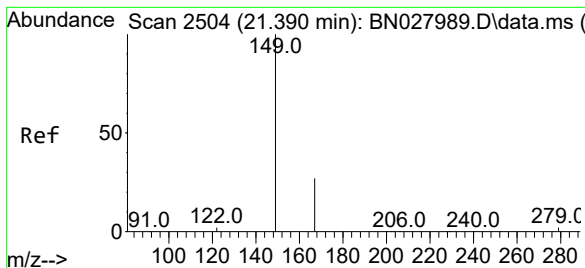
Ion Ratio Lower Upper

228 100

226 32.2 23.8 35.8

229 23.5 16.6 25.0





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.083 ng

RT: 21.372 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

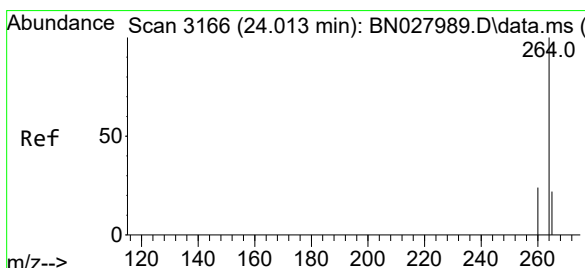
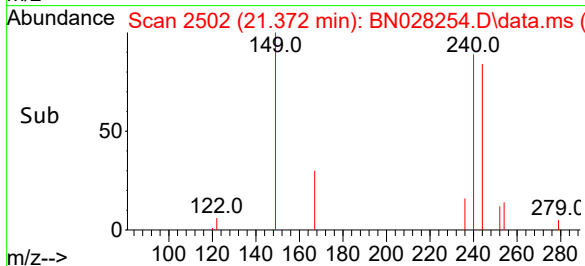
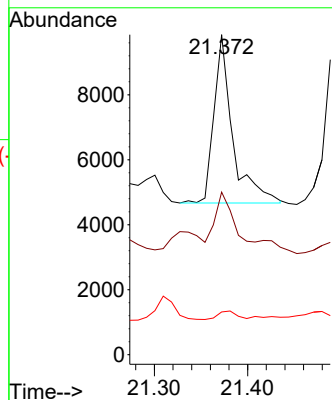
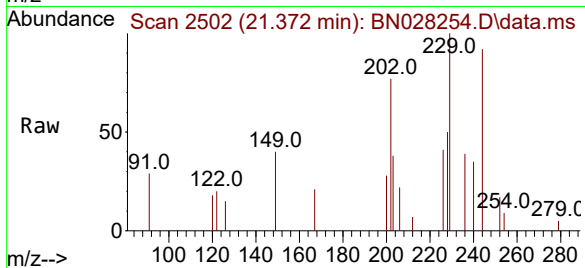
Tgt Ion:149 Resp: 7183

Ion Ratio Lower Upper

149 100

167 36.3 22.1 33.1#

279 5.0 3.4 5.0



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.993 min Scan# 3159

Delta R.T. 0.018 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

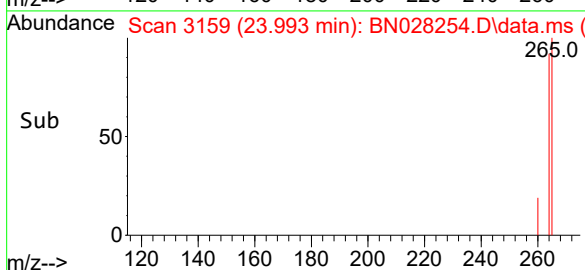
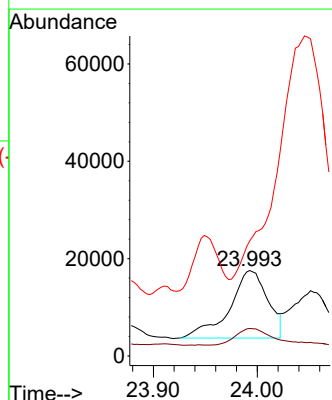
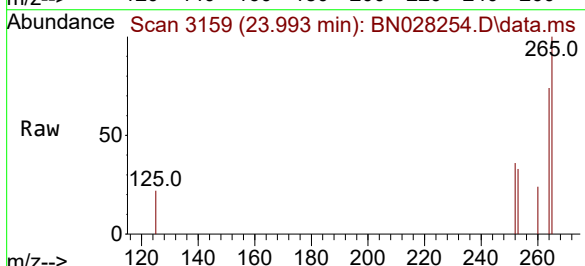
Tgt Ion:264 Resp: 35478

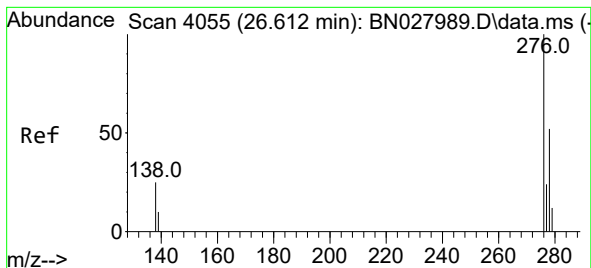
Ion Ratio Lower Upper

264 100

260 32.3 20.2 30.4#

265 135.0 54.8 82.2#





#36

Indeno(1,2,3-cd)pyrene

Concen: 14.328 ng

RT: 26.604 min Scan# 4055

Delta R.T. 0.047 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

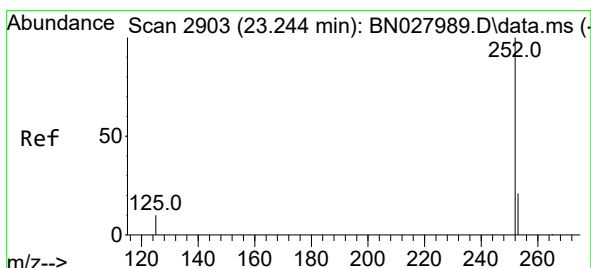
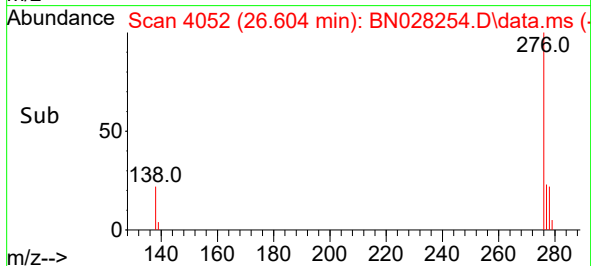
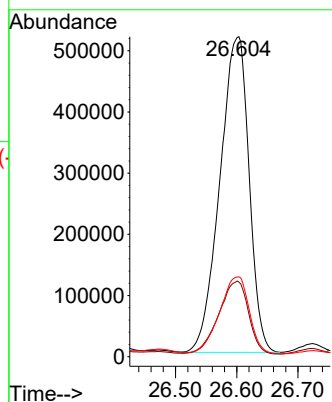
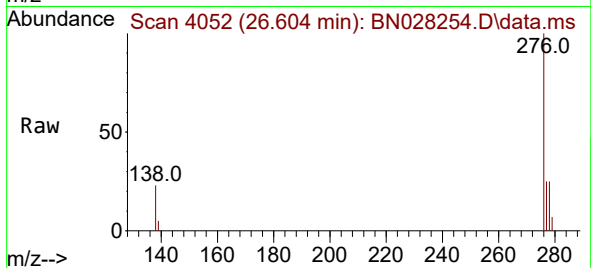
Tgt Ion:276 Resp: 1709824

Ion Ratio Lower Upper

276 100

138 23.6 20.9 31.3

277 24.8 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 30.361 ng

RT: 23.236 min Scan# 2900

Delta R.T. 0.023 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

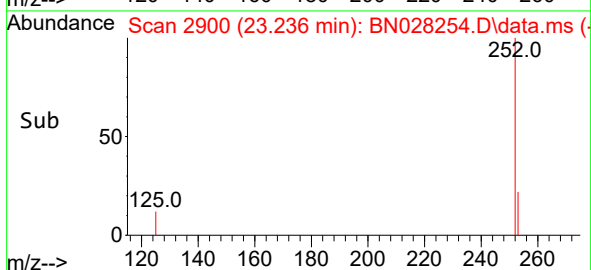
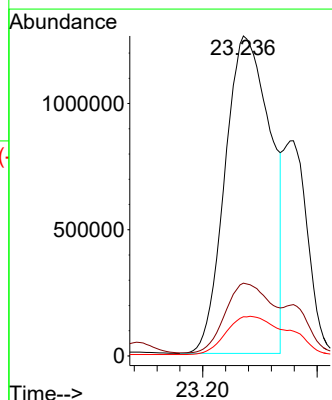
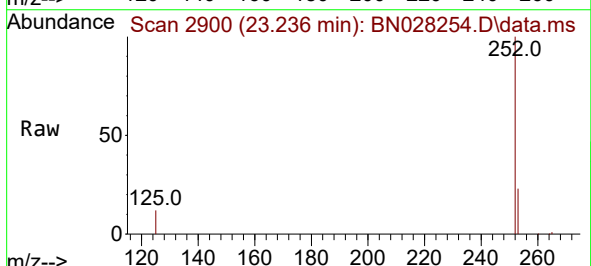
Tgt Ion:252 Resp: 3478835

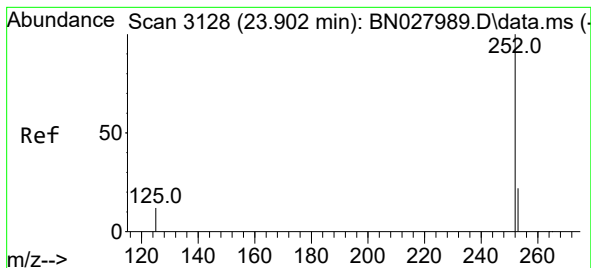
Ion Ratio Lower Upper

252 100

253 22.7 22.9 34.3#

125 12.3 13.8 20.8#





#39

Benzo(a)pyrene

Concen: 6.261 ng

RT: 24.051 min Scan# 31

Delta R.T. 0.187 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

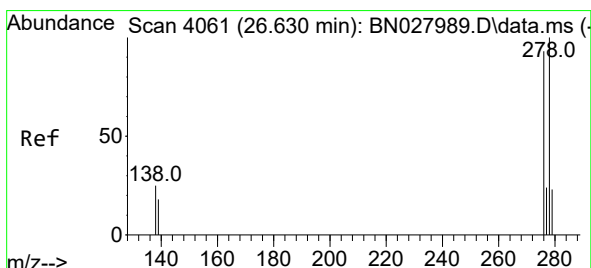
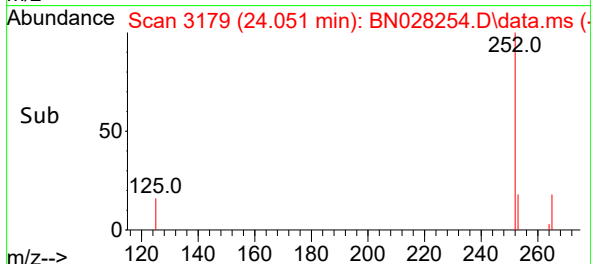
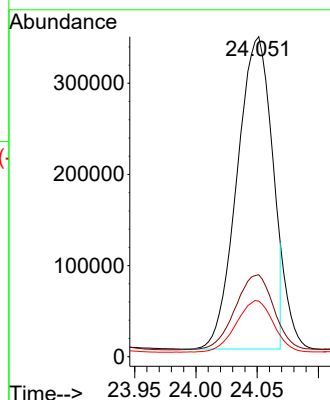
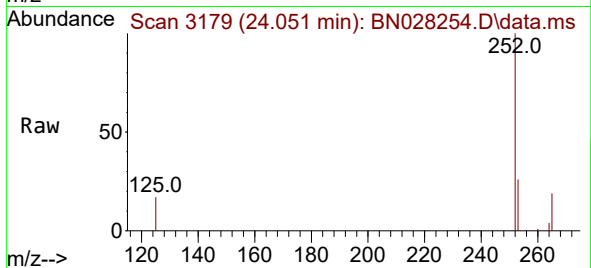
Tgt Ion:252 Resp: 678301

Ion Ratio Lower Upper

252 100

253 25.6 25.0 37.4

125 17.4 16.6 24.8



#40

Dibenzo(a,h)anthracene

Concen: 5.296 ng

RT: 26.607 min Scan# 4053

Delta R.T. 0.029 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

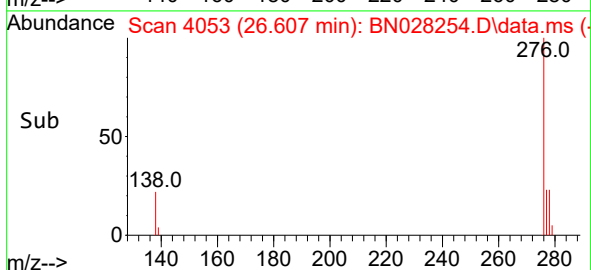
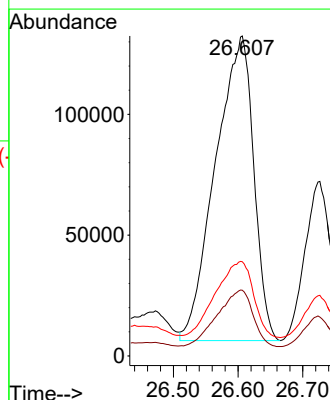
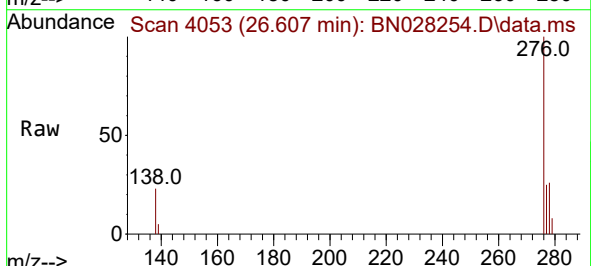
Tgt Ion:278 Resp: 516982

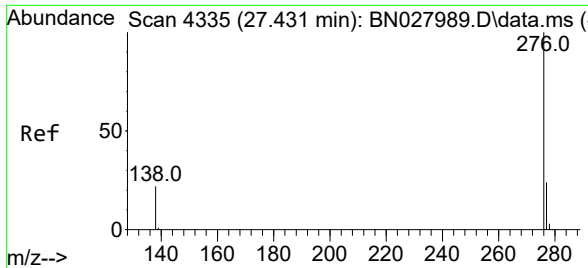
Ion Ratio Lower Upper

278 100

139 20.6 17.7 26.5

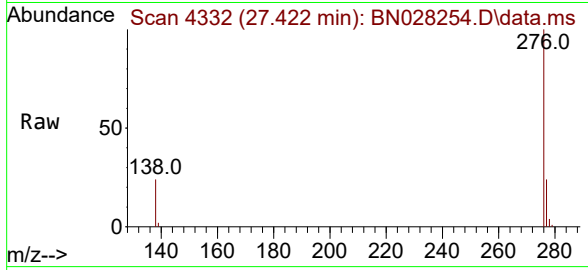
279 29.4 25.2 37.8





#41
 Benzo(g,h,i)perylene
 Concen: 17.892 ng
 RT: 27.422 min Scan# 41
 Delta R.T. 0.056 min
 Lab File: BN028254.D
 Acq: 12 Oct 2023 04:39

Instrument :
 BNA_N
 ClientSampleId :
 M-2(0-5)



Tgt Ion:276 Resp: 1792810
 Ion Ratio Lower Upper
 276 100
 277 24.4 22.1 33.1
 138 23.7 20.8 31.2

