

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028213.D
 Acq On : 11 Oct 2023 01:46
 Operator : MA/JU
 Sample : PB156078BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB156078BL

Quant Time: Oct 11 02:36:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

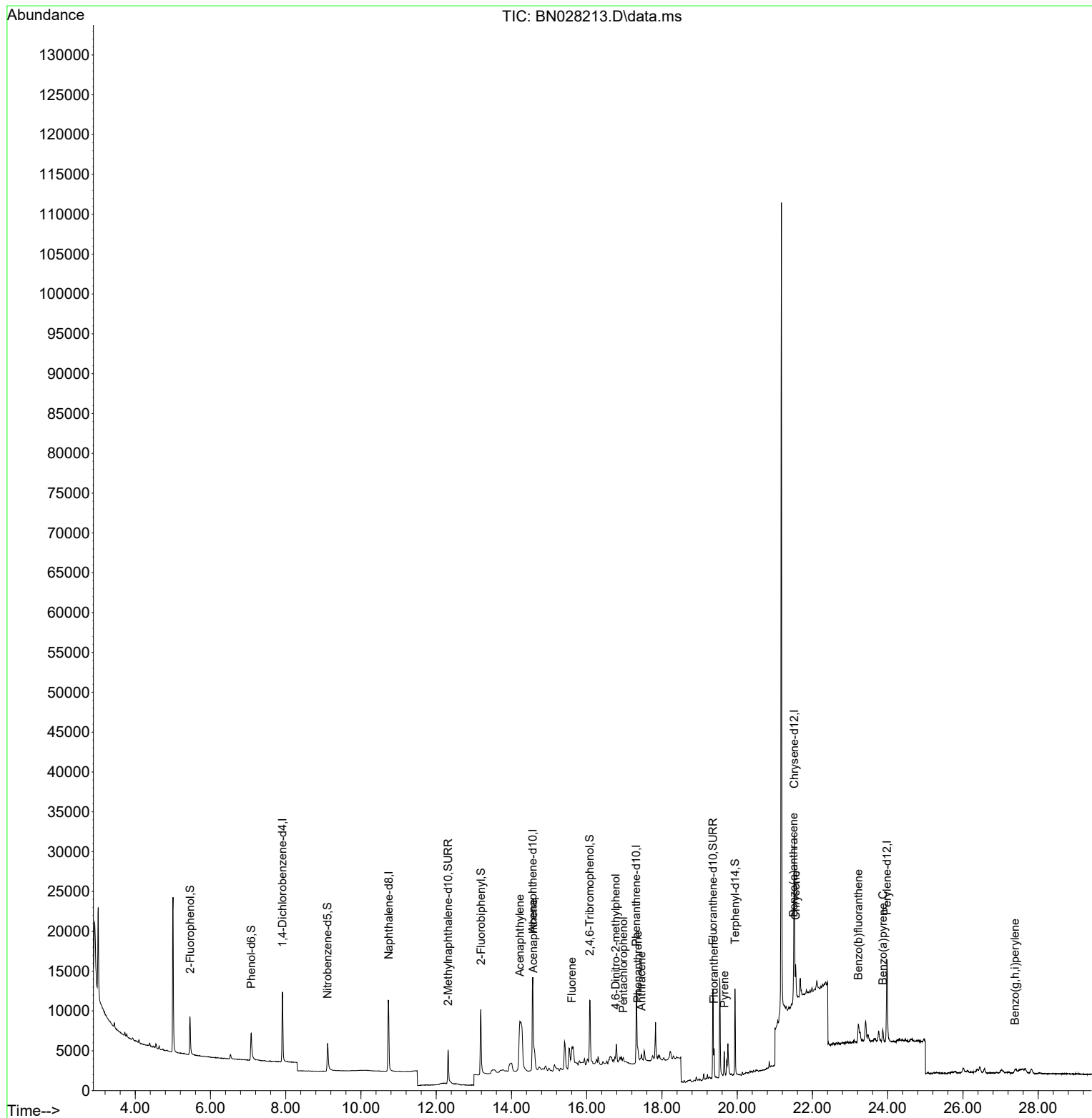
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	4644	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	13835	0.400	ng	# 0.00
13) Acenaphthene-d10	14.566	164	7120	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	14084	0.400	ng	0.00
29) Chrysene-d12	21.515	240	12950	0.400	ng	0.00
35) Perylene-d12	23.981	264	15081	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.459	112	4496	0.325	ng	0.00
5) Phenol-d6	7.084	99	4899	0.280	ng	0.00
8) Nitrobenzene-d5	9.112	82	4085	0.347	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	6485	0.316	ng	0.00
14) 2,4,6-Tribromophenol	16.077	330	837	0.257	ng	0.00
15) 2-Fluorobiphenyl	13.187	172	9142	0.356	ng	0.00
27) Fluoranthene-d10	19.356	212	12236	0.346	ng	0.00
31) Terphenyl-d14	19.941	244	10923	0.362	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	14.224	152	29388	0.932	ng	100
17) Acenaphthene	14.576	154	3152	0.157	ng	98
18) Fluorene	15.606	166	4057	0.155	ng	# 12
20) 4,6-Dinitro-2-methylph...	16.773	198	12	0.064	ng	# 1
24) Pentachlorophenol	16.971	266	134	0.037	ng	# 82
25) Phenanthrene	17.356	178	1869	0.049	ng	# 89
26) Anthracene	17.455	178	1079	0.030	ng	# 78
28) Fluoranthene	19.384	202	3434	0.078	ng	99
30) Pyrene	19.658	202	2931	0.062	ng	95
32) Benzo(a)anthracene	21.498	228	3802	0.086	ng	# 38
33) Chrysene	21.551	228	3298	0.078	ng	# 55
37) Benzo(b)fluoranthene	23.218	252	4464	0.092	ng	# 28
39) Benzo(a)pyrene	23.870	252	2416	0.052	ng	# 14
41) Benzo(g,h,i)perylene	27.381	276	853	0.020	ng	# 2

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

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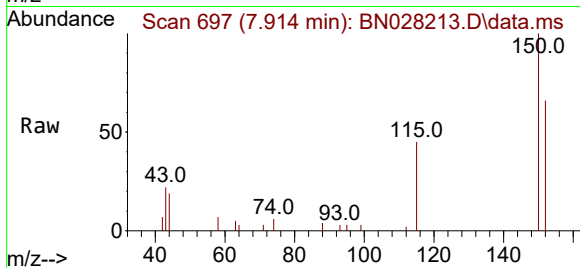
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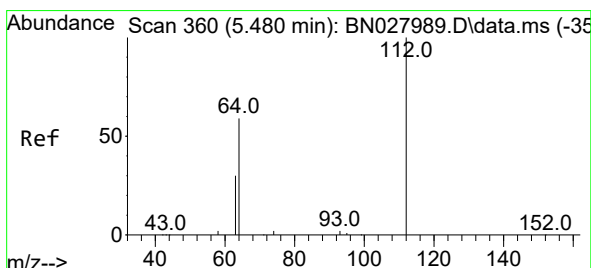
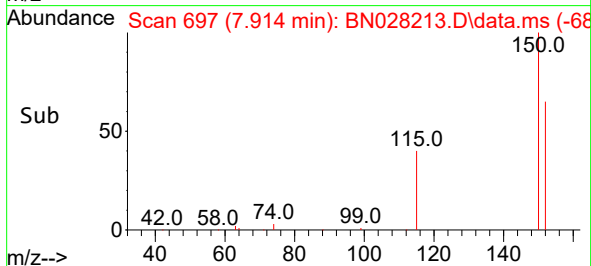
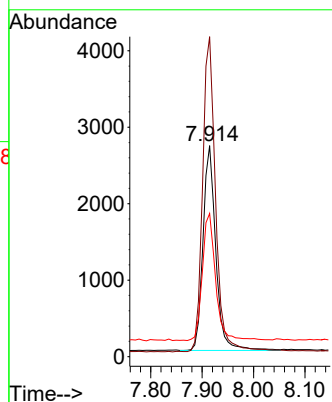


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.914 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB156078BL

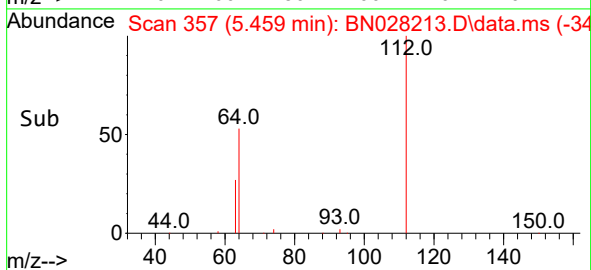
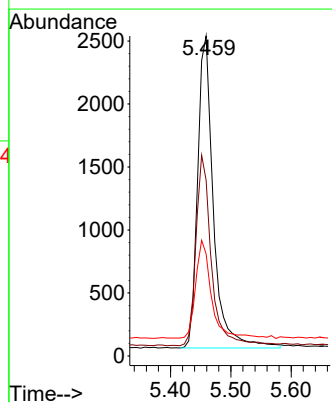
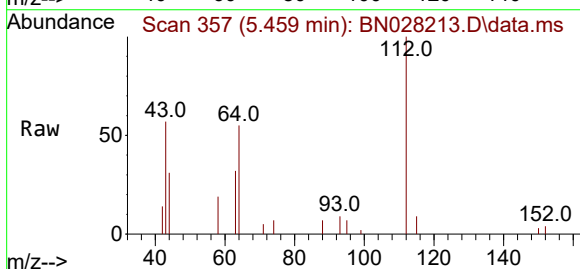


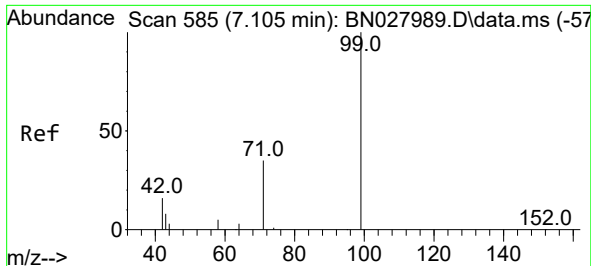
Tgt Ion:152 Resp: 4644
Ion Ratio Lower Upper
152 100
150 151.6 125.6 188.4
115 67.8 54.8 82.2



#4
2-Fluorophenol
Concen: 0.325 ng
RT: 5.459 min Scan# 357
Delta R.T. -0.007 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

Tgt Ion:112 Resp: 4496
Ion Ratio Lower Upper
112 100
64 59.2 45.0 67.6
63 31.7 23.4 35.0

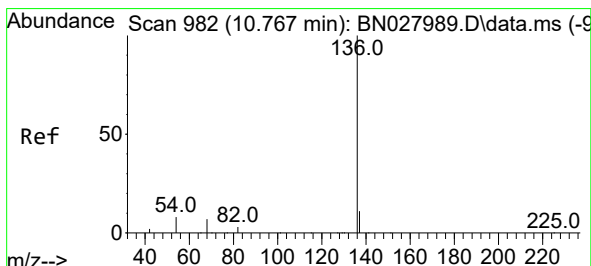
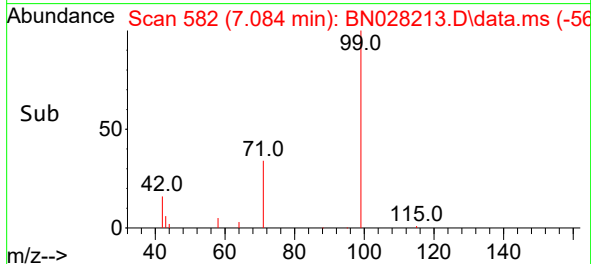
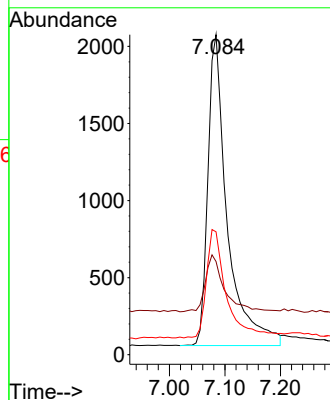
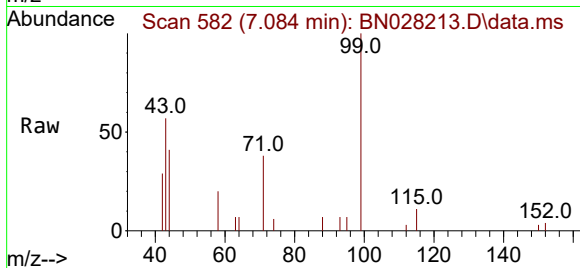




#5
Phenol-d6
Concen: 0.280 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

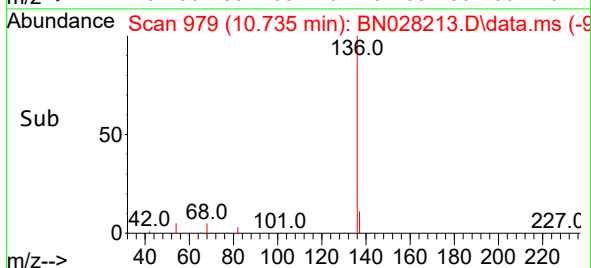
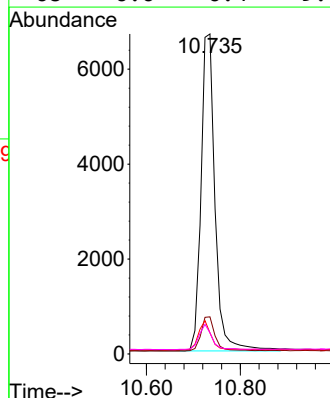
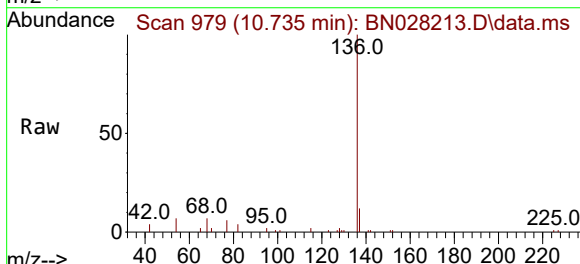
Instrument :
BNA_N
ClientSampleId :
PB156078BL

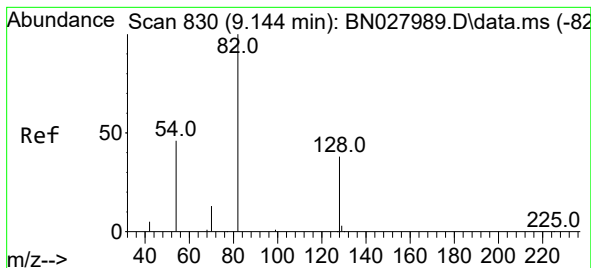
Tgt Ion:	99	Resp:	4899
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.6	22.0
71	36.3	28.3	42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

Tgt Ion:	136	Resp:	13835
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	6.6	7.0	10.6
68	6.6	6.4	9.6

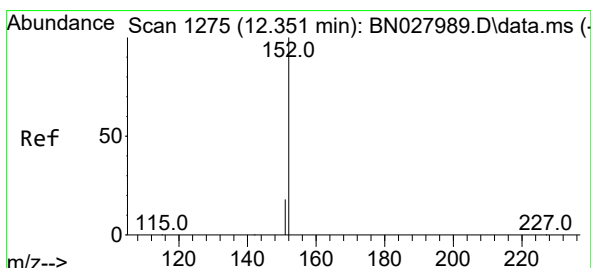
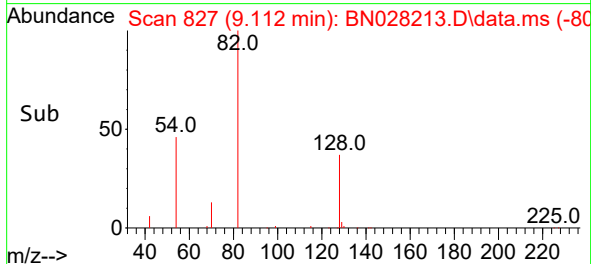
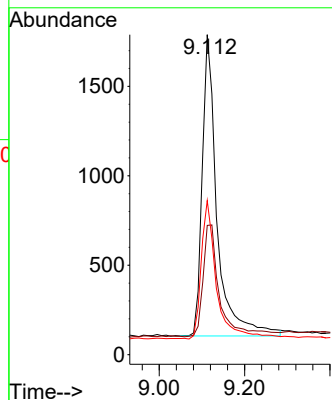
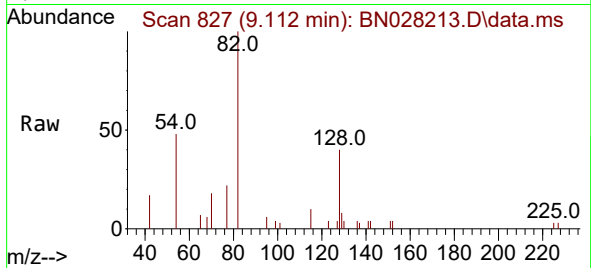




#8
Nitrobenzene-d5
Concen: 0.347 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

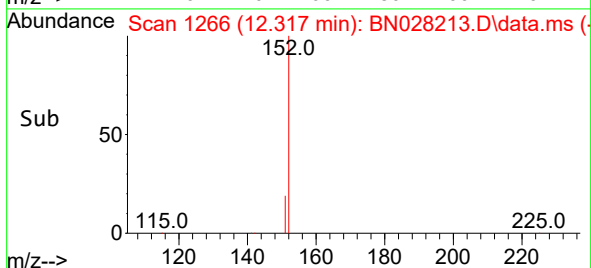
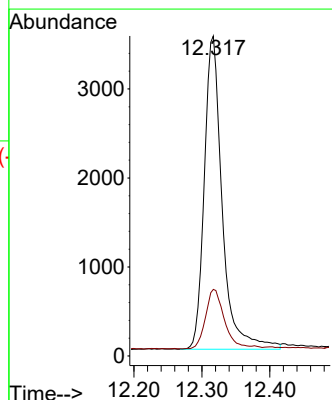
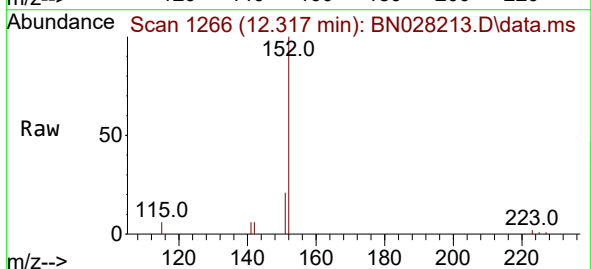
Instrument :
BNA_N
ClientSampleId :
PB156078BL

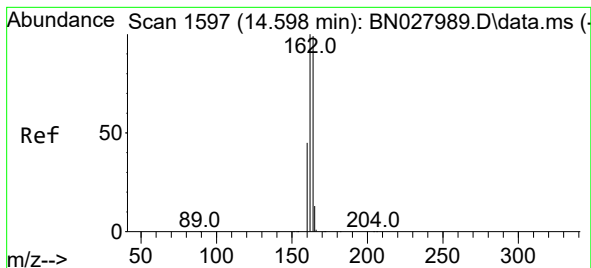
Tgt Ion: 82 Resp: 4085
Ion Ratio Lower Upper
82 100
128 40.4 32.7 49.1
54 48.1 38.7 58.1



#11
2-Methylnaphthalene-d10
Concen: 0.316 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

Tgt Ion: 152 Resp: 6485
Ion Ratio Lower Upper
152 100
151 20.0 16.5 24.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.566 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

Instrument :

BNA_N

ClientSampleId :

PB156078BL

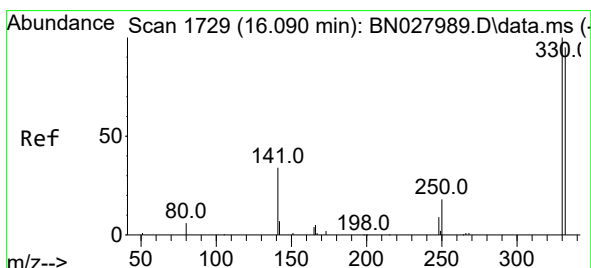
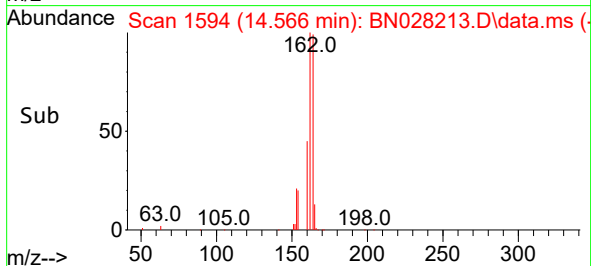
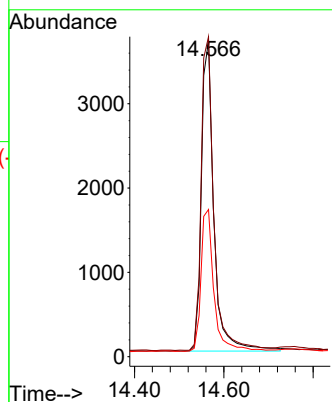
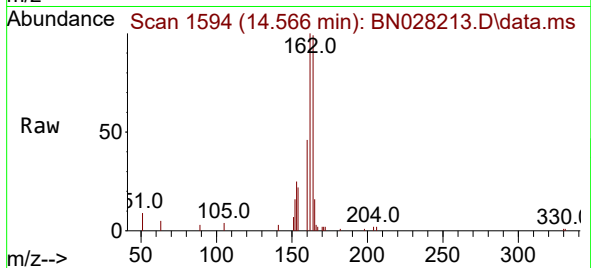
Tgt Ion:164 Resp: 7120

Ion Ratio Lower Upper

164 100

162 101.3 80.8 121.2

160 46.6 36.4 54.6



#14

2,4,6-Tribromophenol

Concen: 0.257 ng

RT: 16.077 min Scan# 1728

Delta R.T. 0.000 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

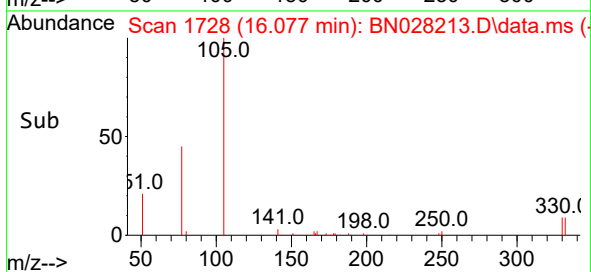
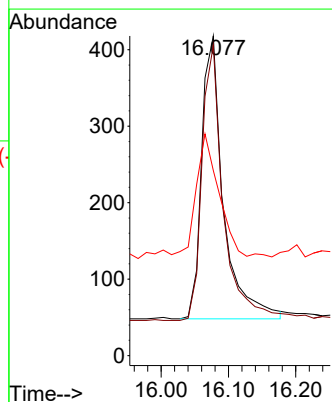
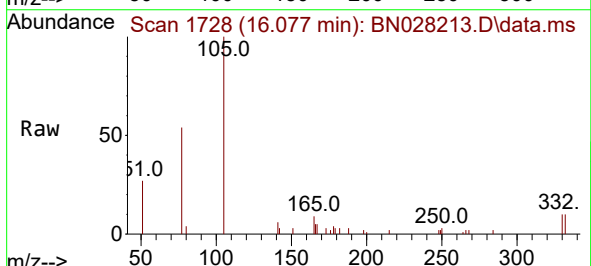
Tgt Ion:330 Resp: 837

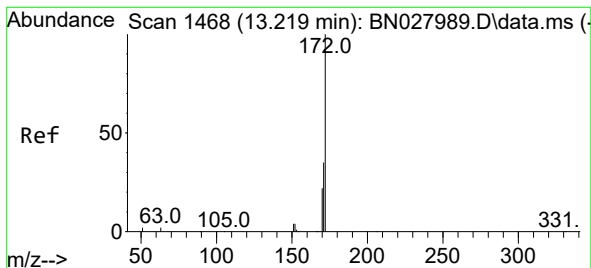
Ion Ratio Lower Upper

330 100

332 95.1 78.1 117.1

141 45.3 33.4 50.2





#15

2-Fluorobiphenyl

Concen: 0.356 ng

RT: 13.187 min Scan# 1468

Delta R.T. 0.000 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

Instrument :

BNA_N

ClientSampleId :

PB156078BL

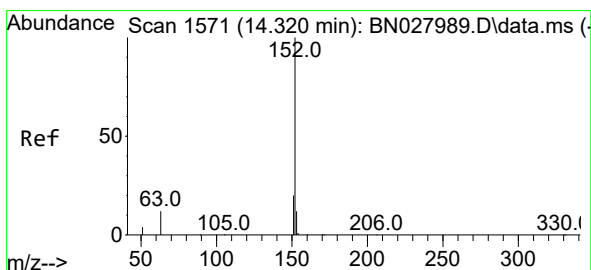
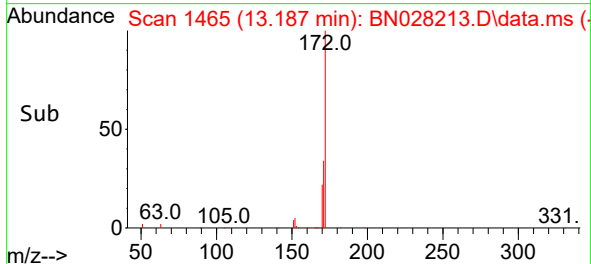
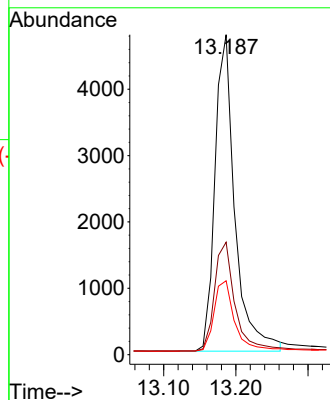
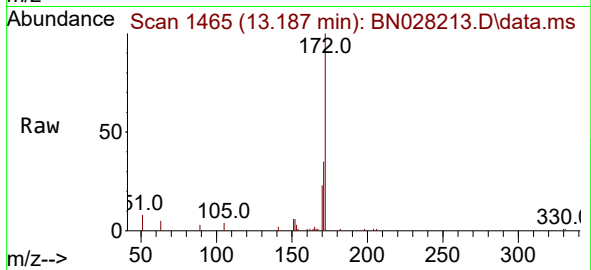
Tgt Ion:172 Resp: 9142

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.1 18.4 27.6



#16

Acenaphthylene

Concen: 0.932 ng

RT: 14.224 min Scan# 1562

Delta R.T. -0.075 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

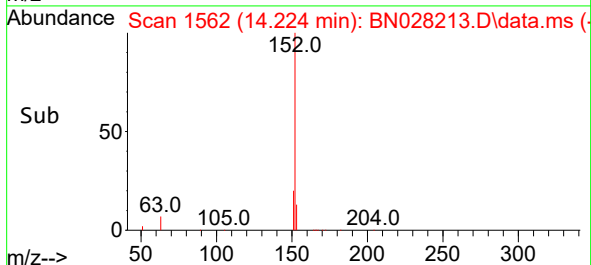
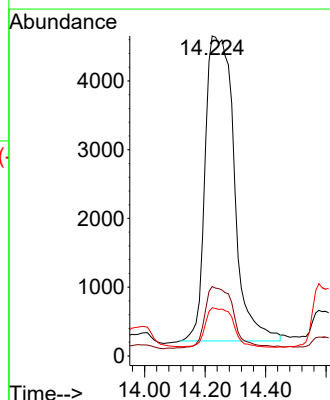
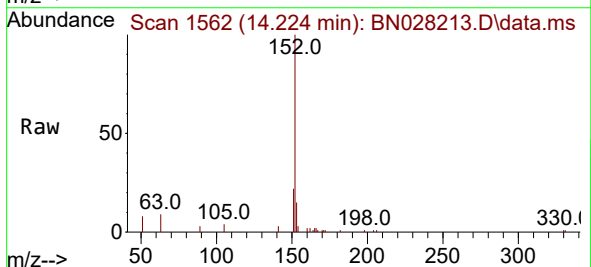
Tgt Ion:152 Resp: 29388

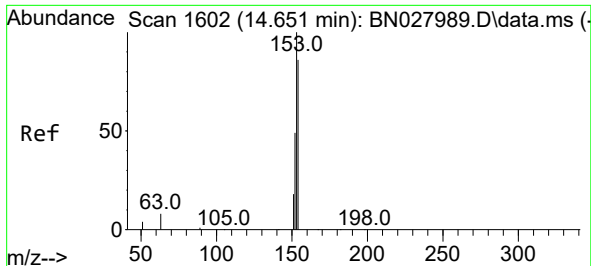
Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

153 12.5 10.2 15.4

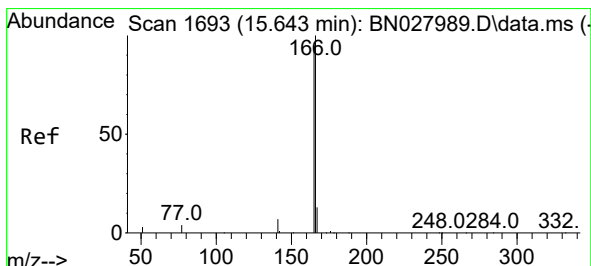
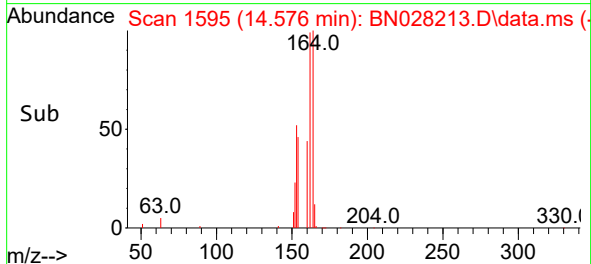
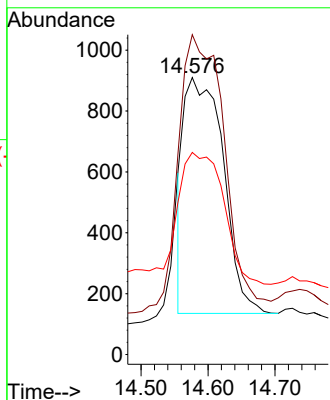
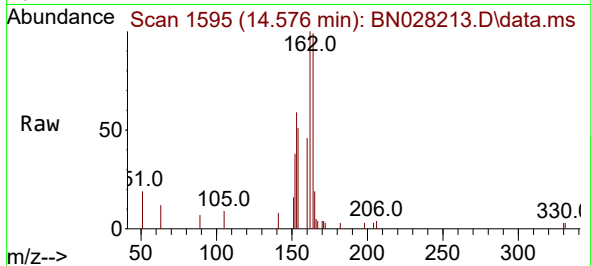




#17
Acenaphthene
Concen: 0.157 ng
RT: 14.576 min Scan# 11
Delta R.T. -0.053 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

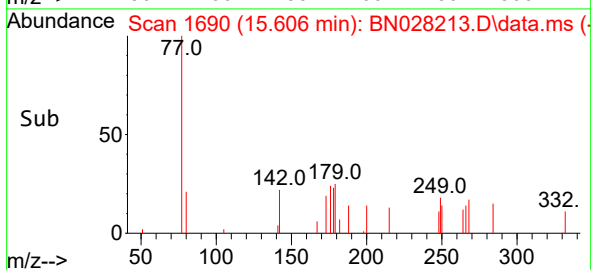
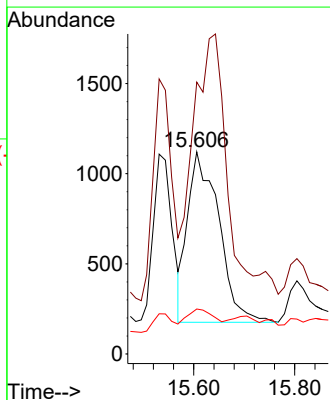
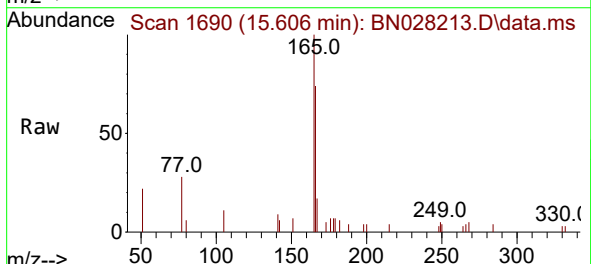
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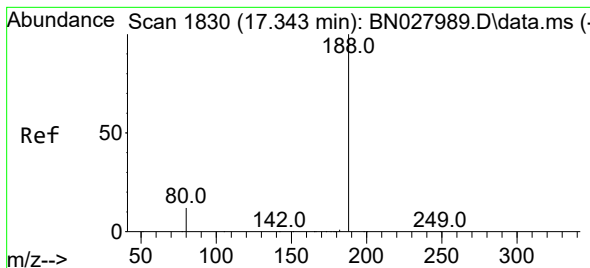
Tgt Ion:154 Resp: 3152
Ion Ratio Lower Upper
154 100
153 111.1 90.8 136.2
152 55.9 43.9 65.9



#18
Fluorene
Concen: 0.155 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

Tgt Ion:166 Resp: 4057
Ion Ratio Lower Upper
166 100
165 0.0 77.8 116.8#
167 9.0 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: BN028213.D

Acq: 11 Oct 2023 01:46

Instrument :

BNA_N

ClientSampleId :

PB156078BL

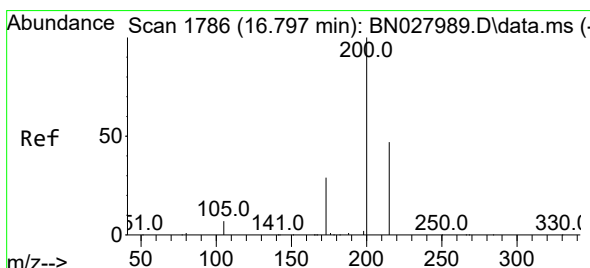
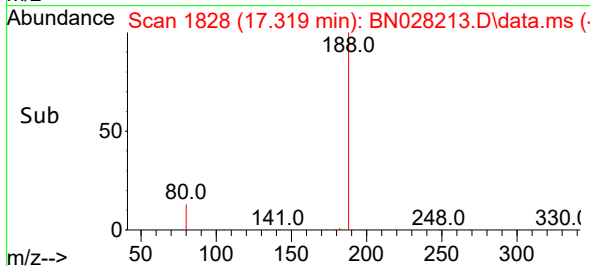
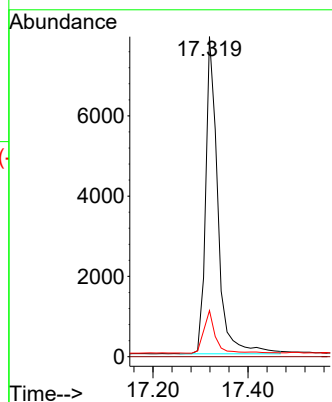
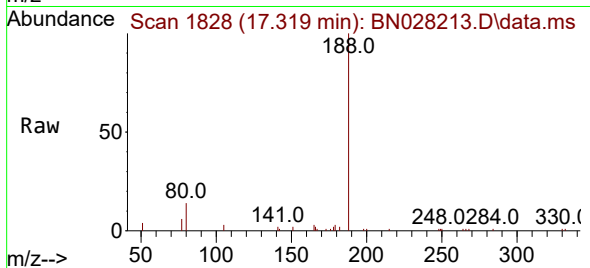
Tgt Ion:188 Resp: 14084

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.4 10.2 15.4



#20

4,6-Dinitro-2-methylphenol

Concen: 0.064 ng

RT: 16.773 min Scan# 1784

Delta R.T. -0.012 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

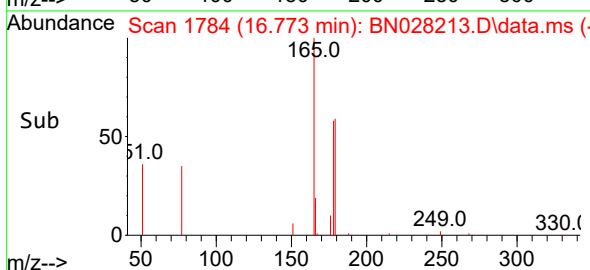
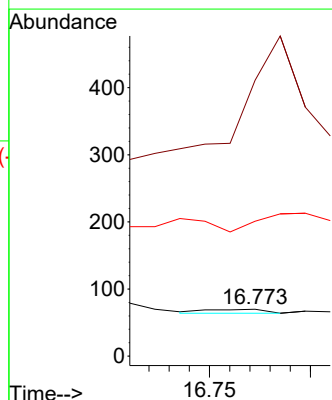
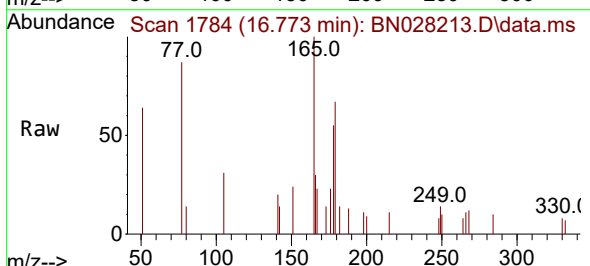
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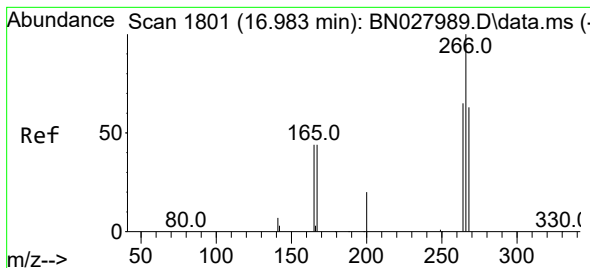
Ion Ratio Lower Upper

198 100

51 587.1 180.7 271.1#

105 287.1 222.2 333.2





#24

Pentachlorophenol

Concen: 0.037 ng

RT: 16.971 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

Instrument :

BNA_N

ClientSampleId :

PB156078BL

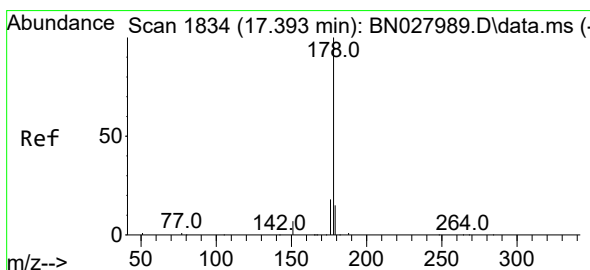
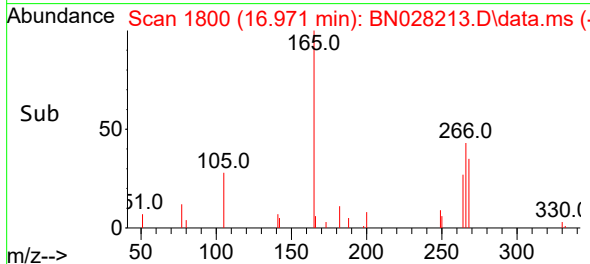
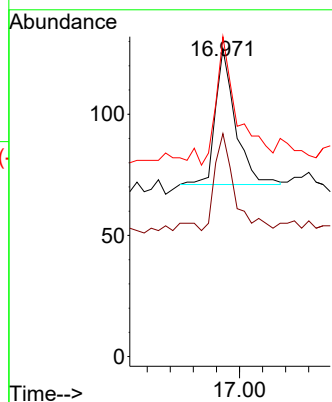
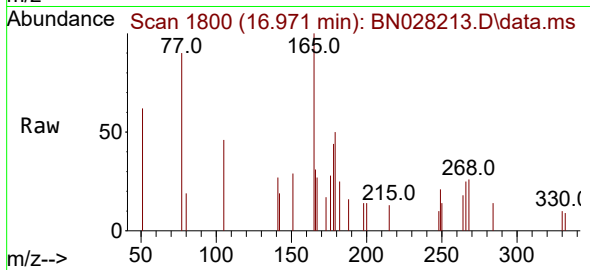
Tgt Ion:266 Resp: 134

Ion Ratio Lower Upper

266 100

264 70.1 52.7 79.1

268 94.8 56.2 84.2#



#25

Phenanthrene

Concen: 0.049 ng

RT: 17.356 min Scan# 1831

Delta R.T. -0.012 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

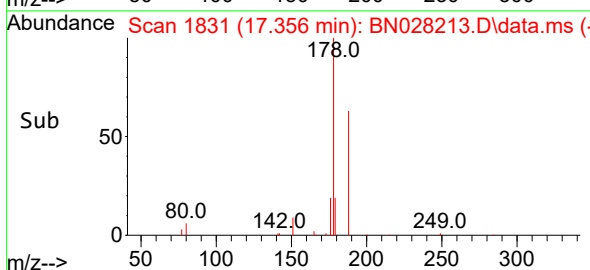
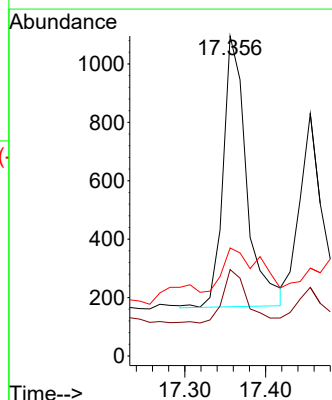
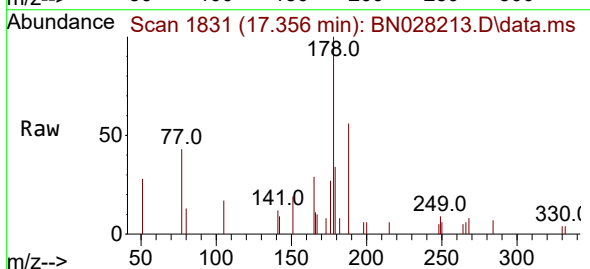
Tgt Ion:178 Resp: 1869

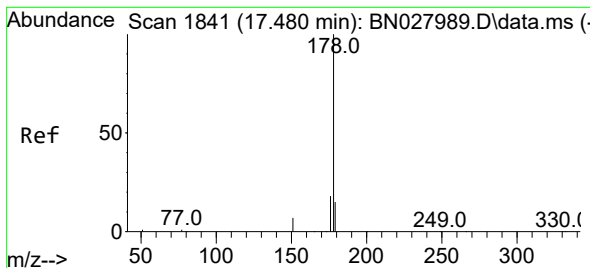
Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

179 25.1 12.4 18.6#





#26

Anthracene

Concen: 0.030 ng

RT: 17.455 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

Instrument :

BNA_N

ClientSampleId :

PB156078BL

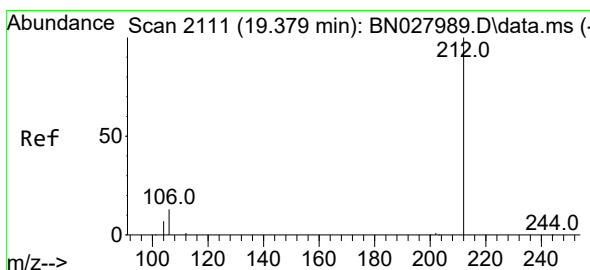
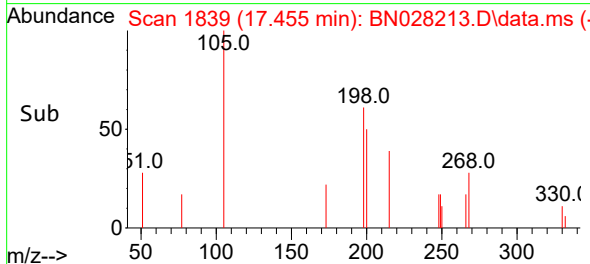
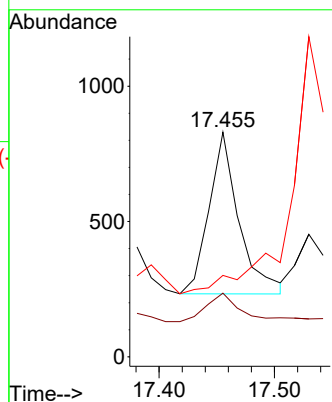
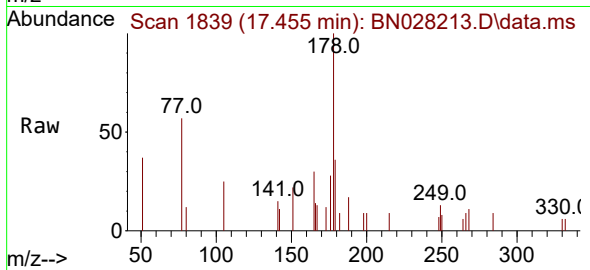
Tgt Ion:178 Resp: 1079

Ion Ratio Lower Upper

178 100

176 23.0 14.7 22.1#

179 0.0 12.2 18.2#



#27

Fluoranthene-d10

Concen: 0.346 ng

RT: 19.356 min Scan# 2106

Delta R.T. 0.000 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

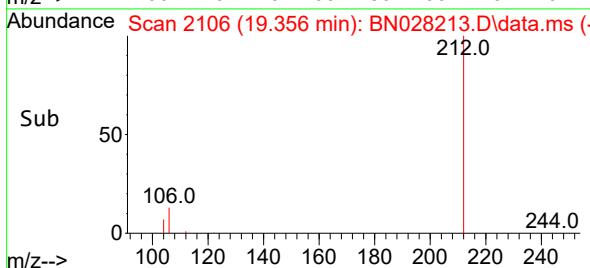
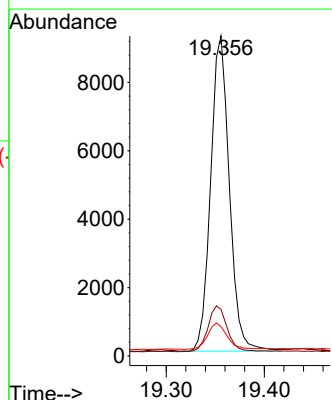
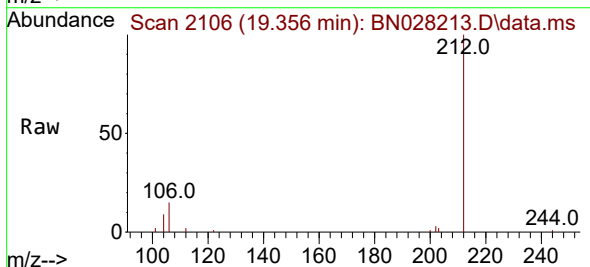
Tgt Ion:212 Resp: 12236

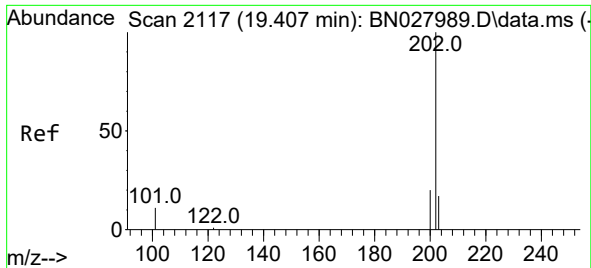
Ion Ratio Lower Upper

212 100

106 14.9 11.3 16.9

104 8.6 6.4 9.6

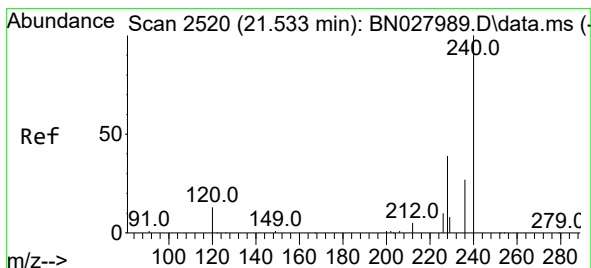
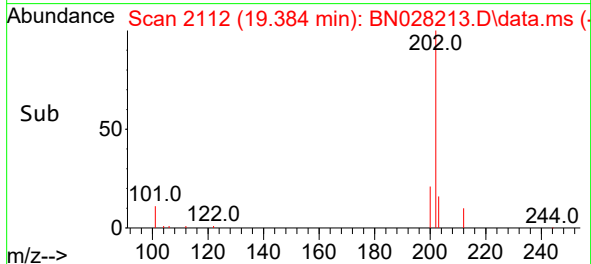
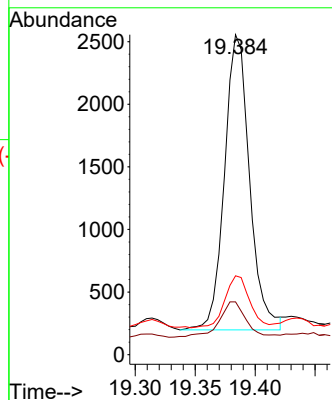
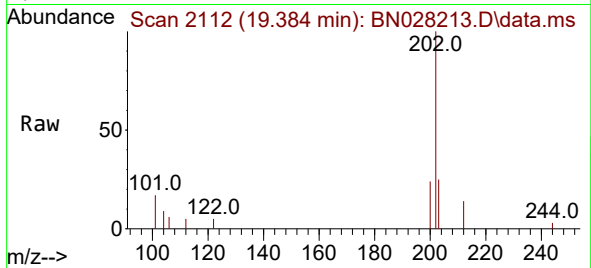




#28
Fluoranthene
Concen: 0.078 ng
RT: 19.384 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

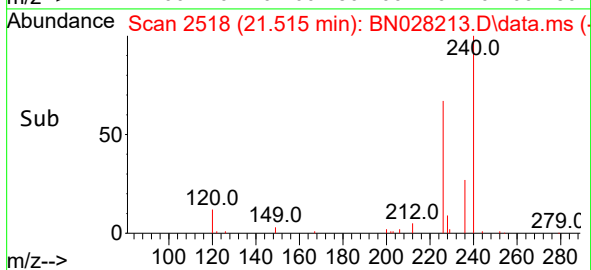
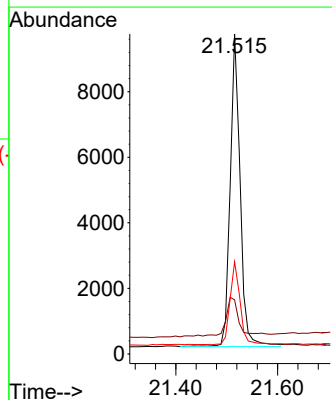
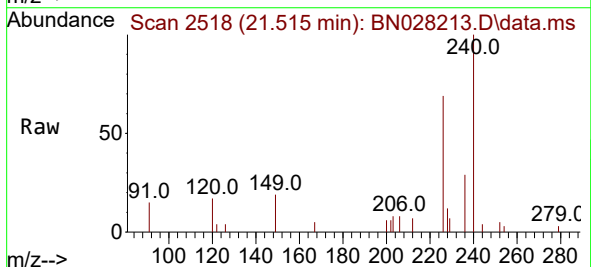
Instrument :
BNA_N
ClientSampleId :
PB156078BL

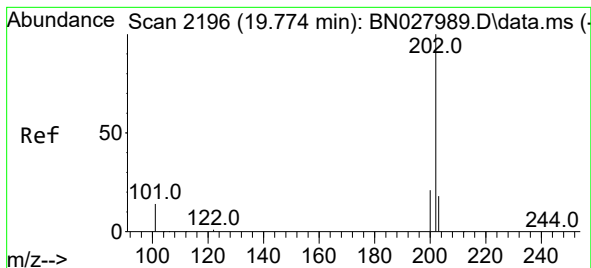
Tgt Ion:202 Resp: 3434
Ion Ratio Lower Upper
202 100
101 12.7 9.8 14.6
203 17.2 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. 0.000 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

Tgt Ion:240 Resp: 12950
Ion Ratio Lower Upper
240 100
120 16.9 13.8 20.6
236 28.8 22.6 33.8





#30

Pyrene

Concen: 0.062 ng

RT: 19.658 min Scan# 2196

Delta R.T. -0.093 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

Instrument :

BNA_N

ClientSampleId :

PB156078BL

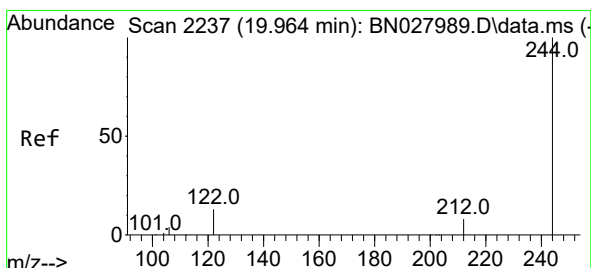
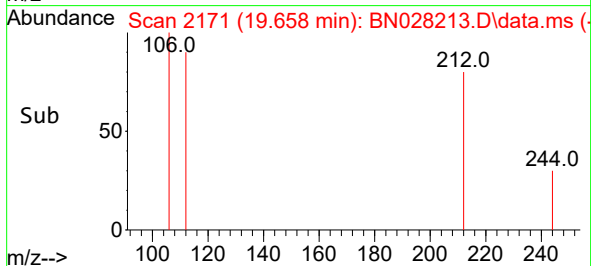
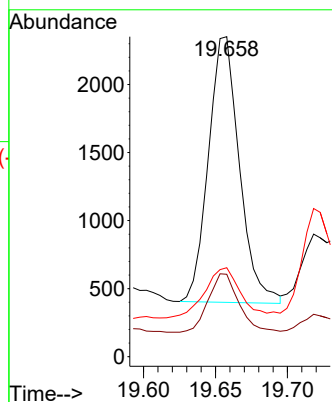
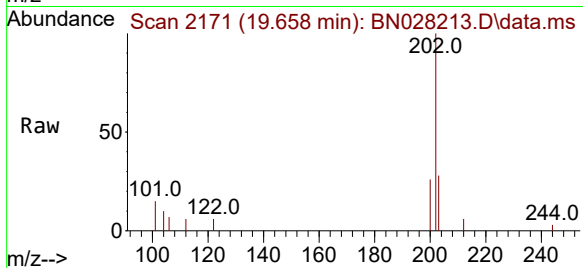
Tgt Ion:202 Resp: 2931

Ion Ratio Lower Upper

202 100

200 21.6 16.5 24.7

203 21.7 14.7 22.1



#31

Terphenyl-d14

Concen: 0.362 ng

RT: 19.941 min Scan# 2232

Delta R.T. 0.000 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

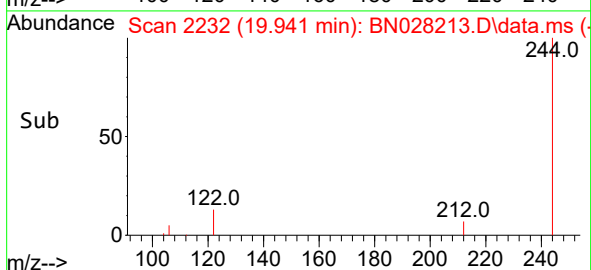
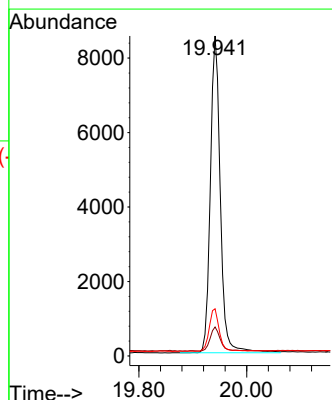
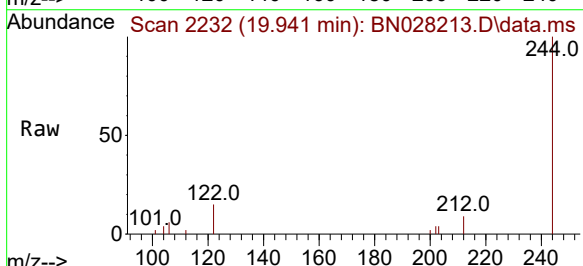
Tgt Ion:244 Resp: 10923

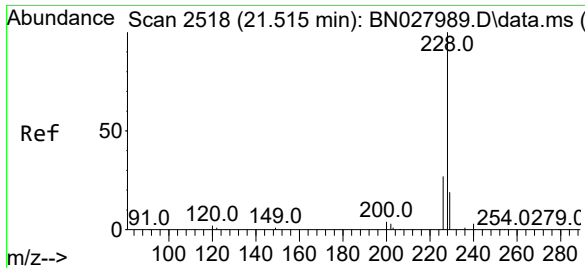
Ion Ratio Lower Upper

244 100

212 9.1 6.6 9.8

122 14.8 11.4 17.0

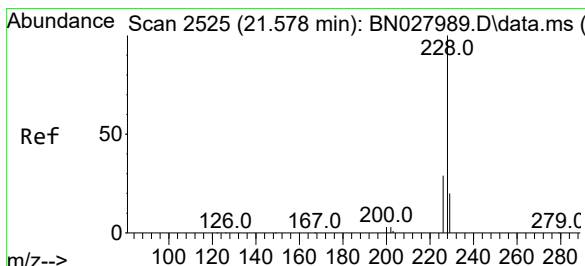
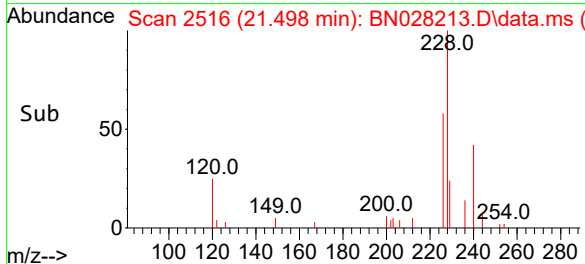
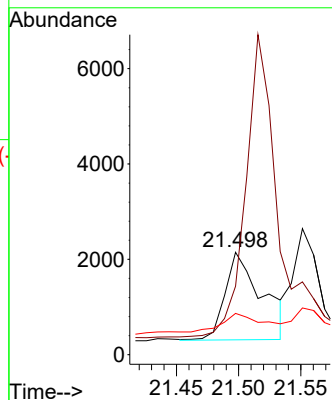
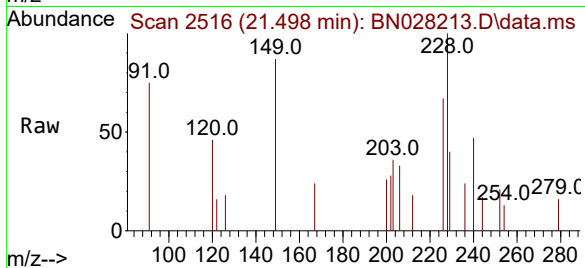




#32
Benzo(a)anthracene
Concen: 0.086 ng
RT: 21.498 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

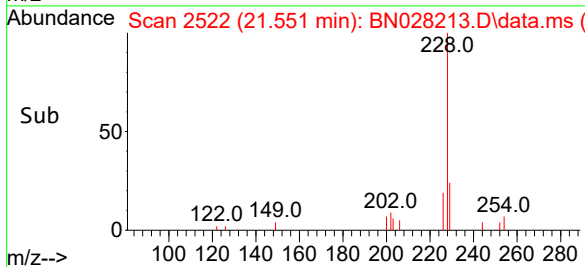
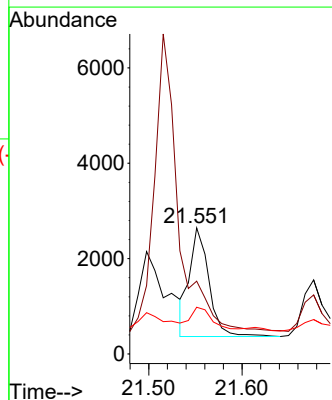
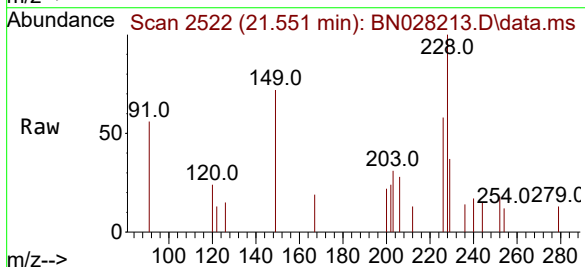
Instrument :
BNA_N
ClientSampleId :
PB156078BL

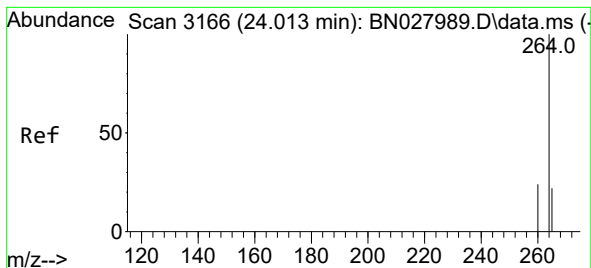
Tgt Ion:228 Resp: 3802
Ion Ratio Lower Upper
228 100
226 66.8 22.0 33.0#
229 40.3 16.0 24.0#



#33
Chrysene
Concen: 0.078 ng
RT: 21.551 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BN028213.D
Acq: 11 Oct 2023 01:46

Tgt Ion:228 Resp: 3298
Ion Ratio Lower Upper
228 100
226 57.7 23.8 35.8#
229 37.1 16.6 25.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.981 min Scan# 3166

Delta R.T. 0.006 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

Instrument :

BNA_N

ClientSampleId :

PB156078BL

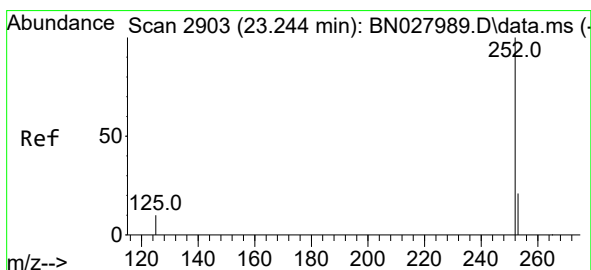
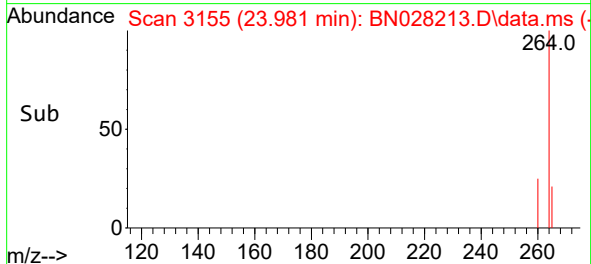
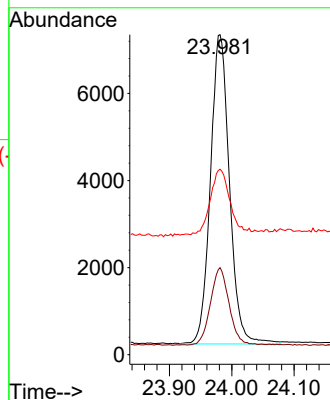
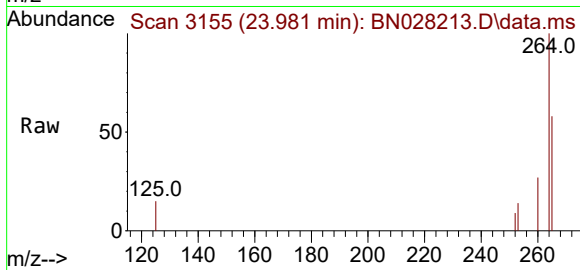
Tgt Ion:264 Resp: 15081

Ion Ratio Lower Upper

264 100

260 27.2 20.2 30.4

265 58.0 54.8 82.2



#37

Benzo(b)fluoranthene

Concen: 0.092 ng

RT: 23.218 min Scan# 2894

Delta R.T. 0.006 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

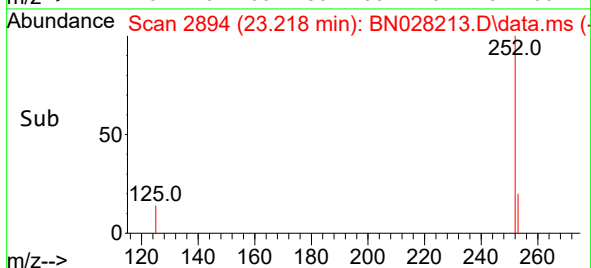
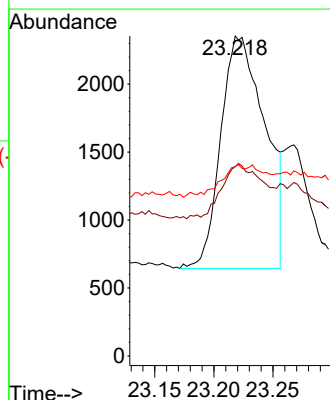
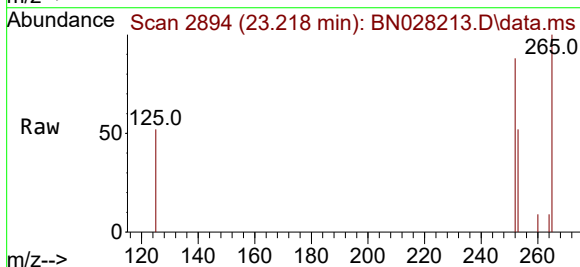
Tgt Ion:252 Resp: 4464

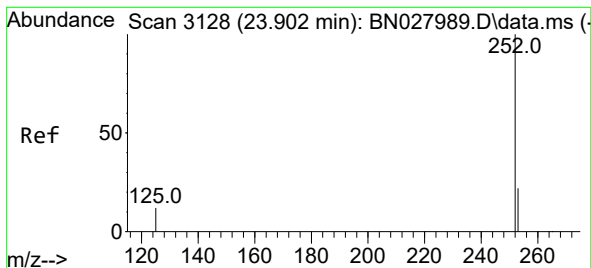
Ion Ratio Lower Upper

252 100

253 59.2 22.9 34.3#

125 59.2 13.8 20.8#





#39

Benzo(a)pyrene

Concen: 0.052 ng

RT: 23.870 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

Instrument :

BNA_N

ClientSampleId :

PB156078BL

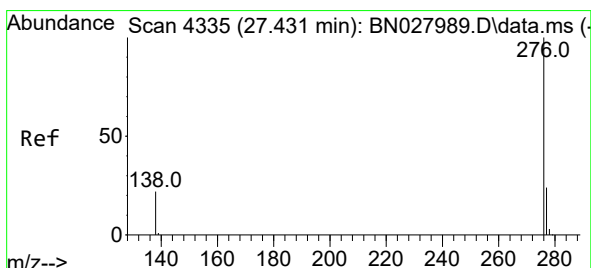
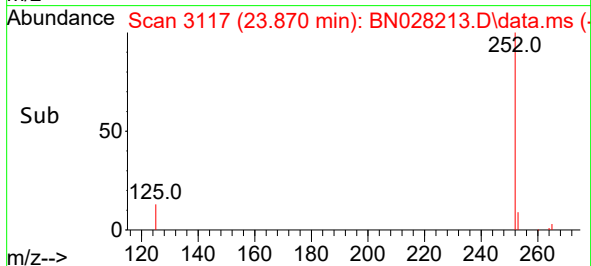
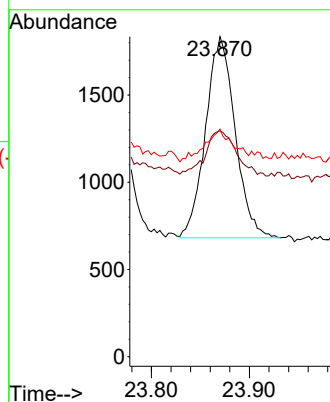
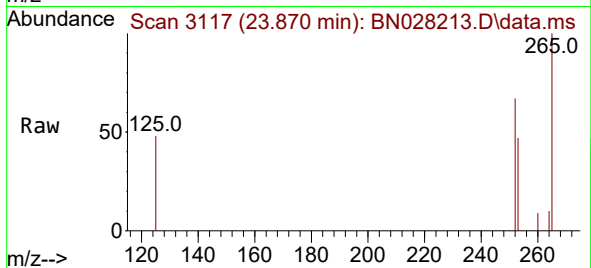
Tgt Ion:252 Resp: 2416

Ion Ratio Lower Upper

252 100

253 70.6 25.0 37.4#

125 71.1 16.6 24.8#



#41

Benzo(g,h,i)perylene

Concen: 0.020 ng

RT: 27.381 min Scan# 4318

Delta R.T. 0.015 min

Lab File: BN028213.D

Acq: 11 Oct 2023 01:46

Tgt Ion:276 Resp: 853

Ion Ratio Lower Upper

276 100

277 78.3 22.1 33.1#

138 76.7 20.8 31.2#

