

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028217.D
 Acq On : 11 Oct 2023 04:10
 Operator : MA/JU
 Sample : 04704-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-104-1(5-10)

Quant Time: Oct 11 04:42:47 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

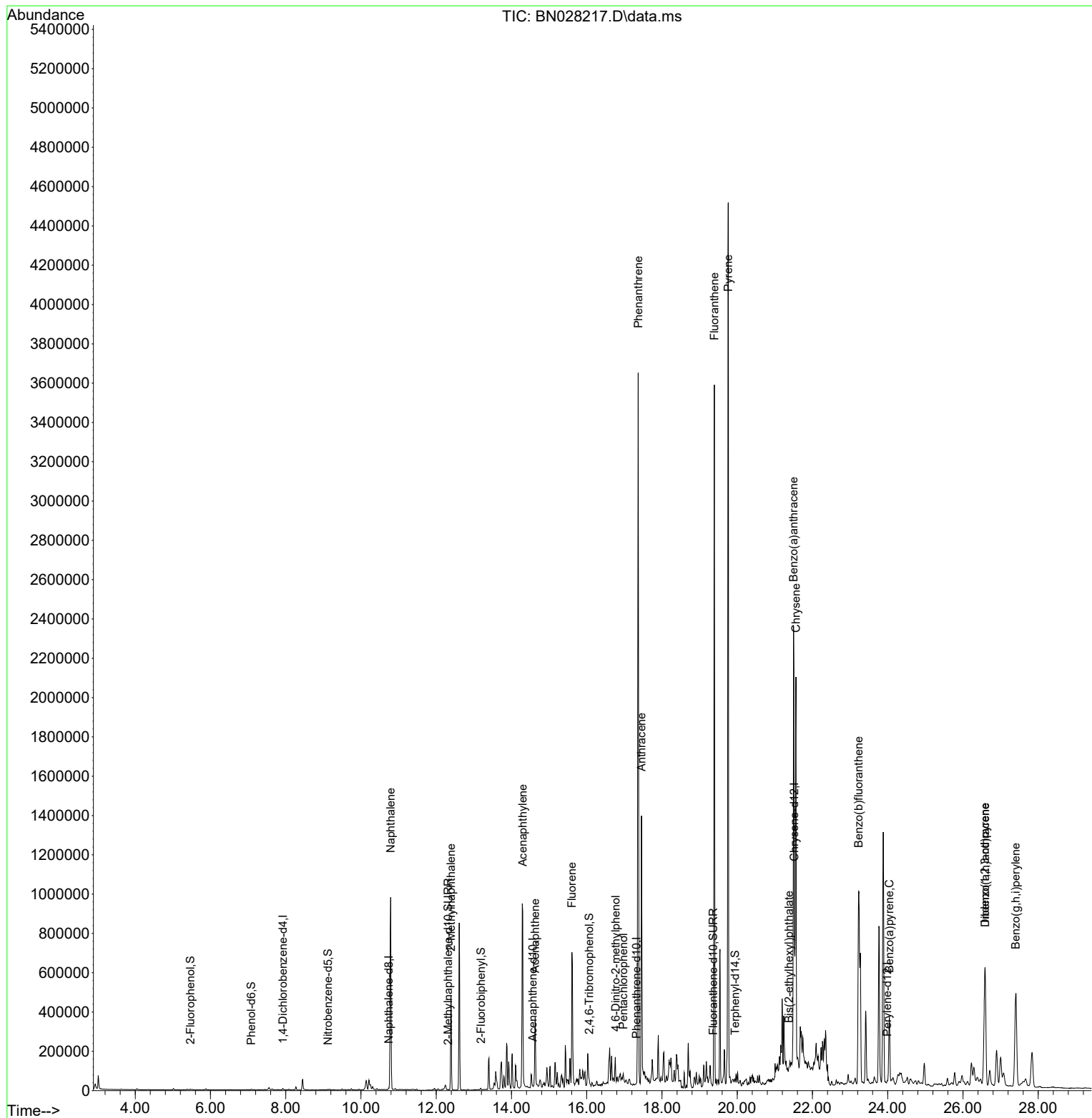
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	3579	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11239	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	8302	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12178	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	19181	0.400	ng	# 0.00
35) Perylene-d12	23.984	264	20057	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2817	0.264	ng	0.00
5) Phenol-d6	7.084	99	3378	0.251	ng	0.00
8) Nitrobenzene-d5	9.123	82	2822	0.295	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	4256	0.256	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	755	0.199	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	6082	0.203	ng	0.00
27) Fluoranthene-d10	19.360	212	8067	0.264	ng	0.00
31) Terphenyl-d14	19.941	244	8330	0.186	ng	0.00
Target Compounds						
9) Naphthalene	10.789	128	1282817	44.175	ng	98
12) 2-Methylnaphthalene	12.392	142	331101	16.299	ng	100
16) Acenaphthylene	14.298	152	1209951	32.899	ng	99
17) Acenaphthene	14.630	154	193241	8.243	ng	98
18) Fluorene	15.606	166	567601	18.641	ng	97
20) 4,6-Dinitro-2-methylph...	16.773	198	1350	8.340	ng	# 19
24) Pentachlorophenol	16.971	266	78	0.025	ng	# 43
25) Phenanthrene	17.368	178	3656192	111.362	ng	99
26) Anthracene	17.455	178	1402233	45.186	ng	# 95
28) Fluoranthene	19.393	202	3202516	84.521	ng	98
30) Pyrene	19.760	202	3908308	55.567	ng	97
32) Benzo(a)anthracene	21.498	228	2100838	32.187	ng	98
33) Chrysene	21.560	228	1808954	28.759	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	4632	0.108	ng	# 84
36) Indeno(1,2,3-cd)pyrene	26.586	276	1093316	16.206	ng	97
37) Benzo(b)fluoranthene	23.227	252	2025432	31.268	ng	# 89
39) Benzo(a)pyrene	24.042	252	412276	6.731	ng	94
40) Dibenzo(a,h)anthracene	26.592	278	327681	5.937	ng	100
41) Benzo(g,h,i)perylene	27.405	276	1124062	19.843	ng	95

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

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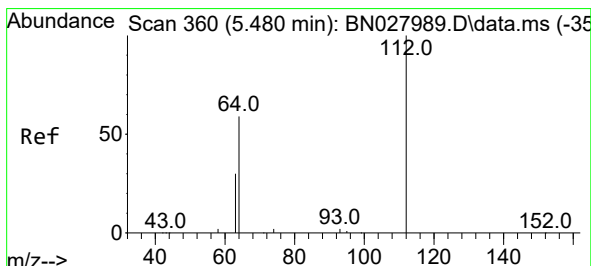
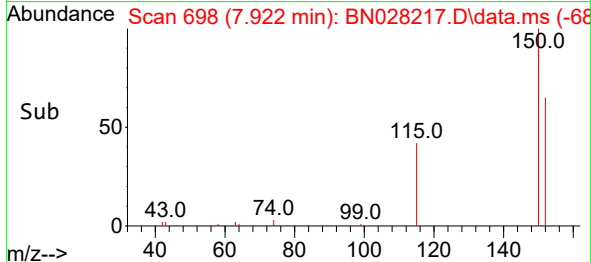
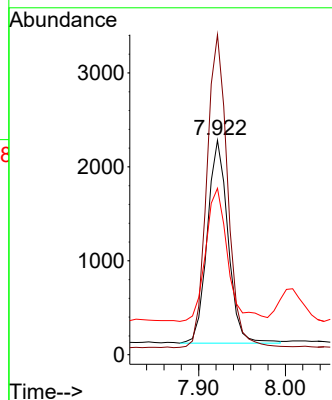
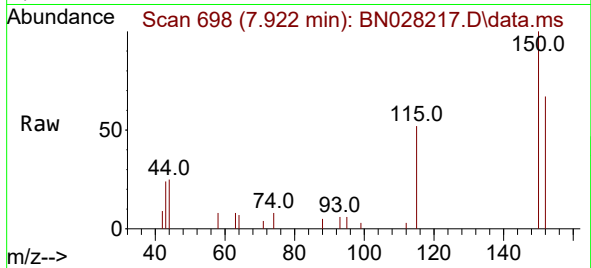




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.922 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN028217.D
 Acq: 11 Oct 2023 04:10

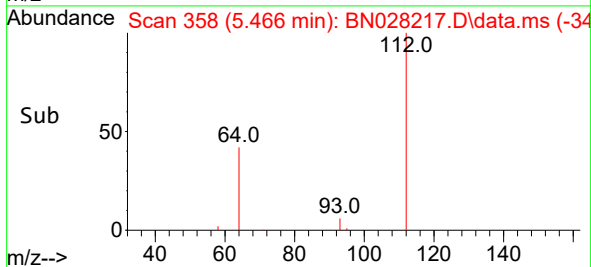
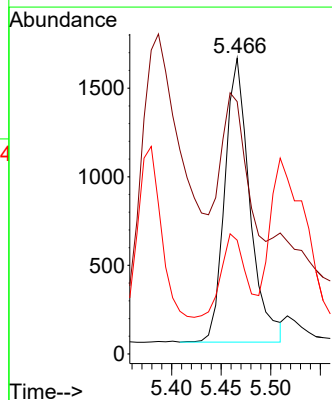
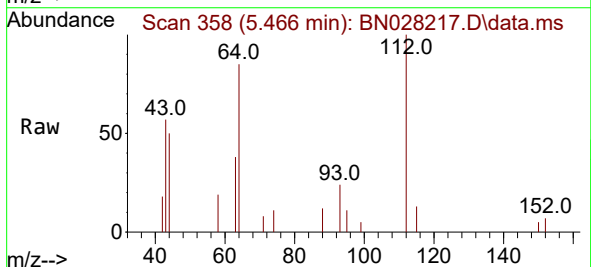
Instrument :
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 SB-104-1(5-10)

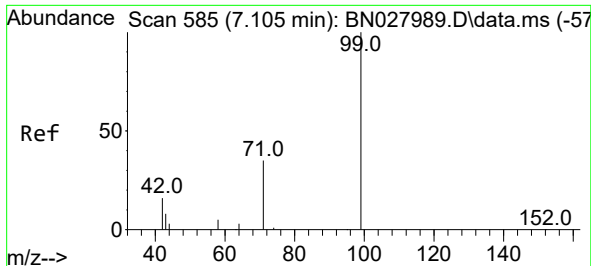
Tgt Ion:152 Resp: 3579
 Ion Ratio Lower Upper
 152 100
 150 149.3 125.6 188.4
 115 77.7 54.8 82.2



#4
 2-Fluorophenol
 Concen: 0.264 ng
 RT: 5.466 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: BN028217.D
 Acq: 11 Oct 2023 04:10

Tgt Ion:112 Resp: 2817
 Ion Ratio Lower Upper
 112 100
 64 48.2 45.0 67.6
 63 29.3 23.4 35.0

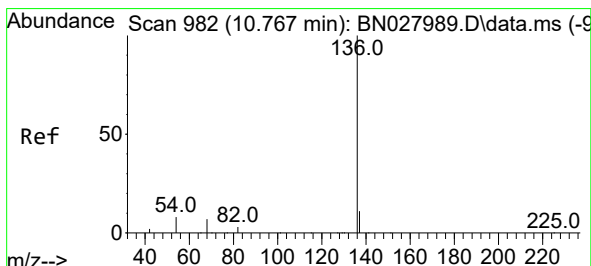
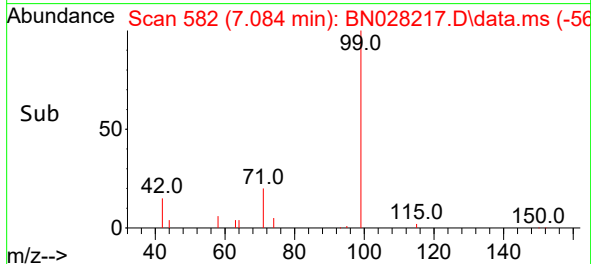
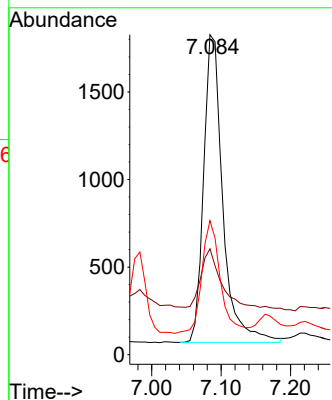
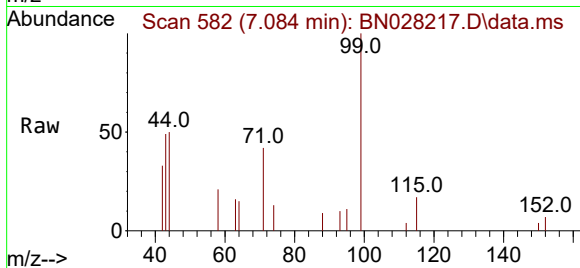




#5
Phenol-d6
Concen: 0.251 ng
RT: 7.084 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

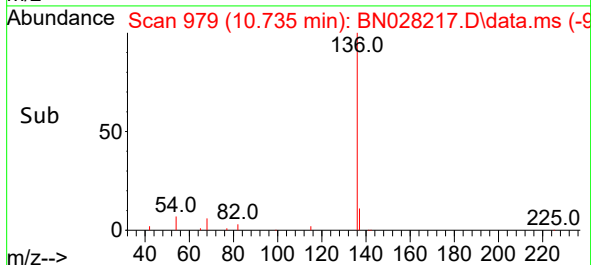
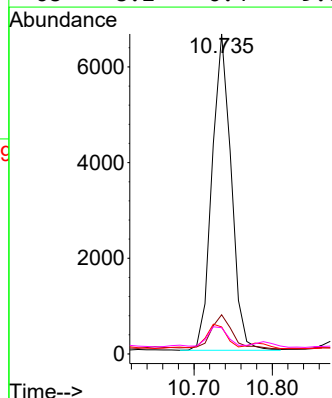
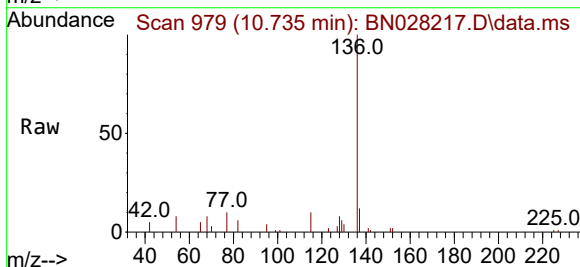
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ClientSampleId :
SB-104-1(5-10)

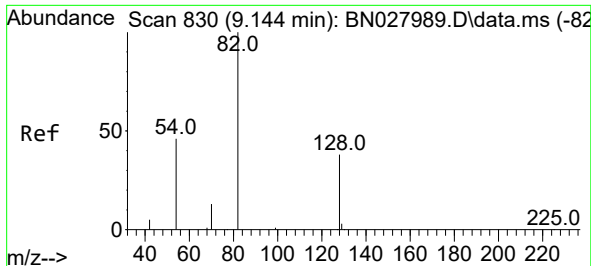
Tgt Ion: 99 Resp: 3378
Ion Ratio Lower Upper
99 100
42 24.0 14.6 22.0#
71 35.6 28.3 42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion: 136 Resp: 11239
Ion Ratio Lower Upper
136 100
137 12.3 9.4 14.0
54 8.4 7.0 10.6
68 8.2 6.4 9.6

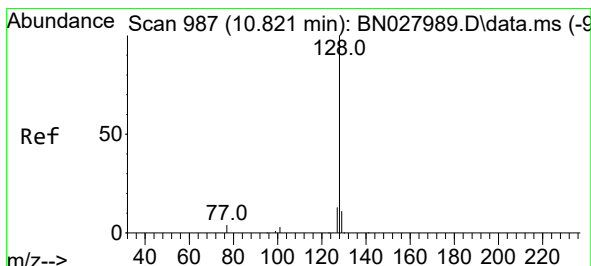
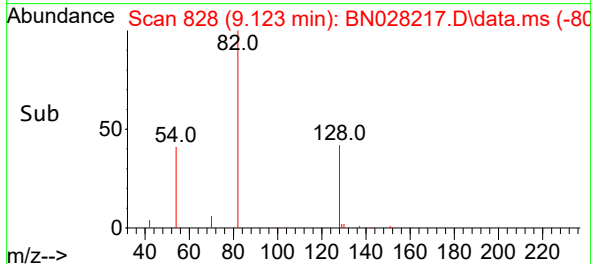
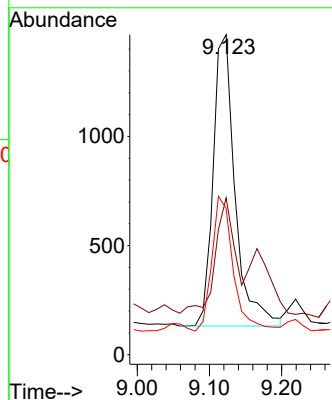
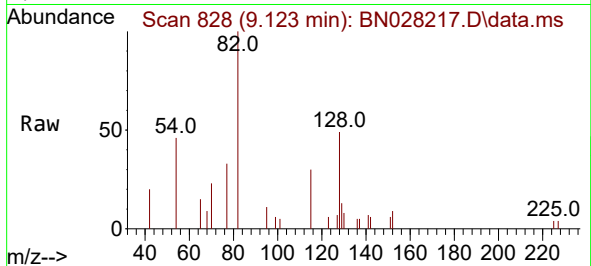




#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 9.123 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

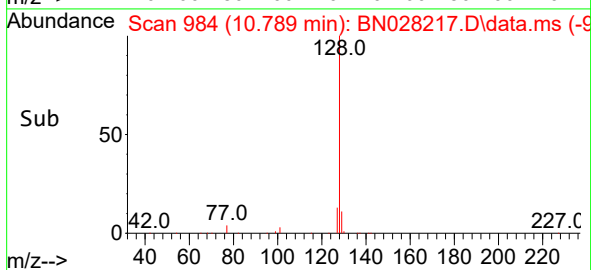
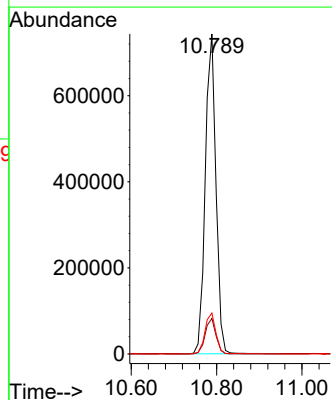
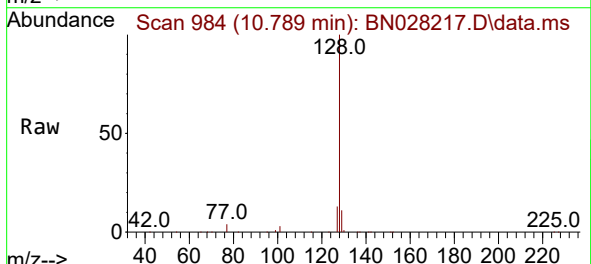
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)

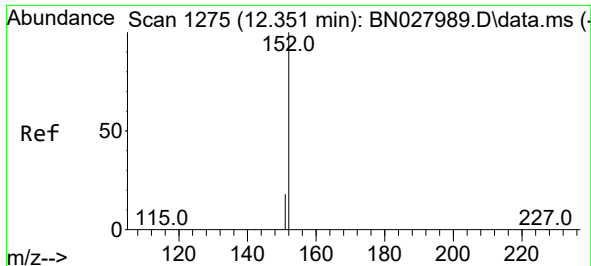
Tgt Ion: 82 Resp: 2822
Ion Ratio Lower Upper
82 100
128 49.0 32.7 49.1
54 45.7 38.7 58.1



#9
Naphthalene
Concen: 44.175 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion: 128 Resp: 1282817
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.8 10.9 16.3





#11

2-Methylnaphthalene-d10

Concen: 0.256 ng

RT: 12.317 min Scan# 1266

Delta R.T. -0.008 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

Instrument :

BNA_N

ClientSampleId :

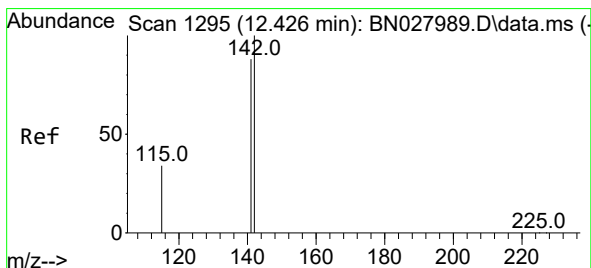
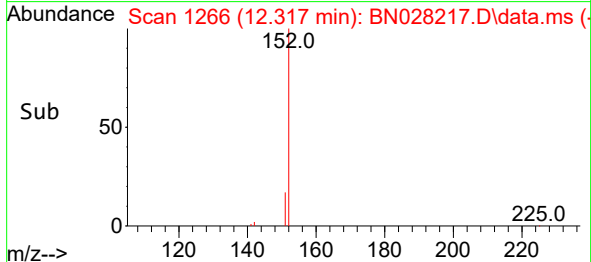
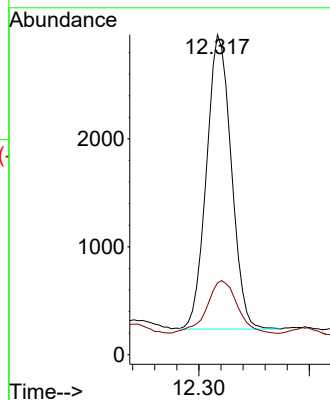
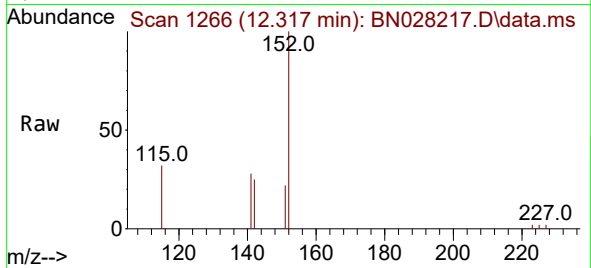
SB-104-1(5-10)

Tgt Ion:152 Resp: 4256

Ion Ratio Lower Upper

152 100

151 23.9 16.5 24.7



#12

2-Methylnaphthalene

Concen: 16.299 ng

RT: 12.392 min Scan# 1286

Delta R.T. -0.008 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

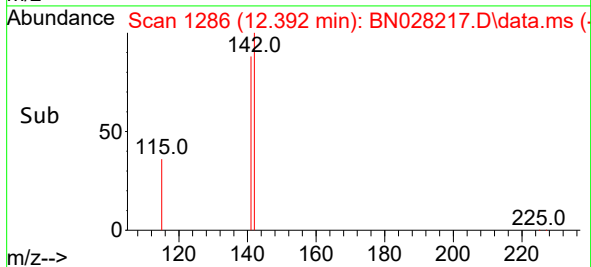
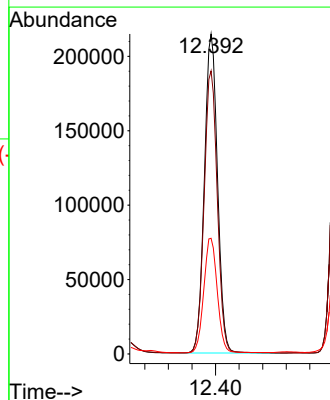
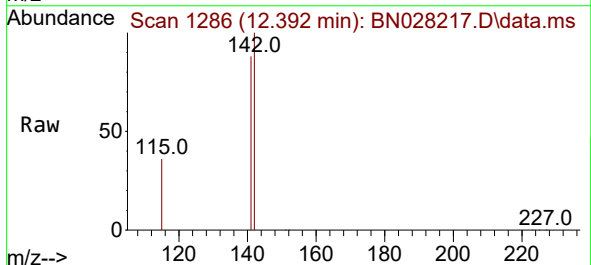
Tgt Ion:142 Resp: 331101

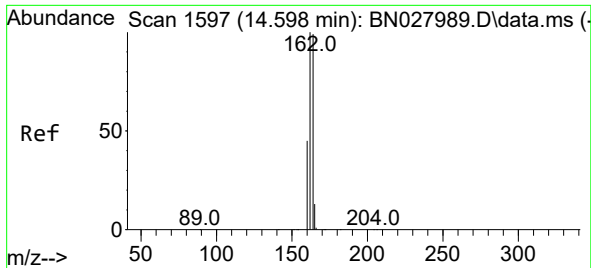
Ion Ratio Lower Upper

142 100

141 88.5 70.7 106.1

115 36.1 28.6 42.8

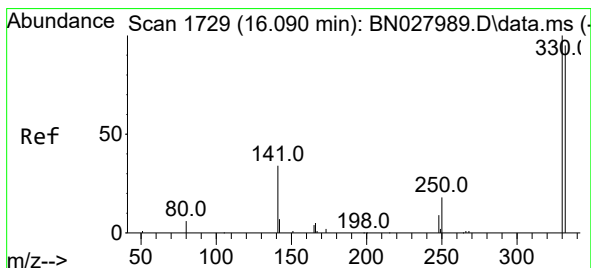
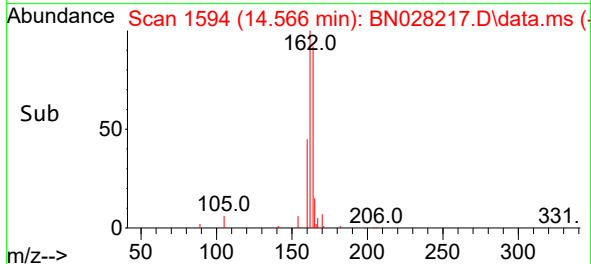
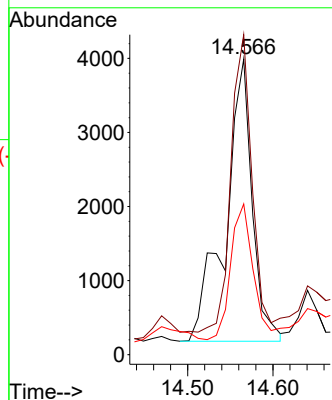
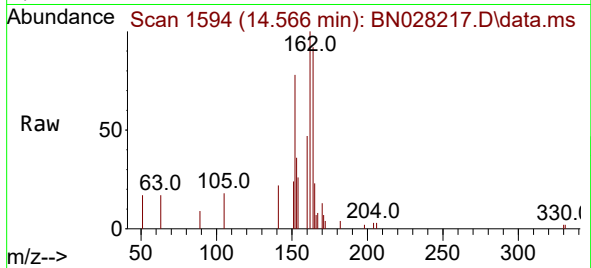




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

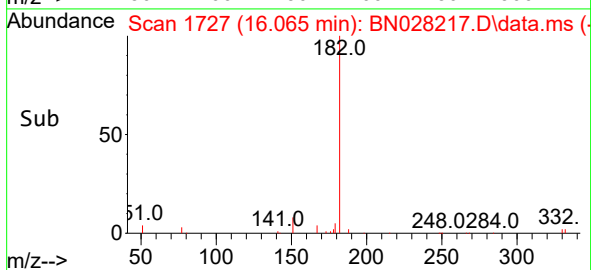
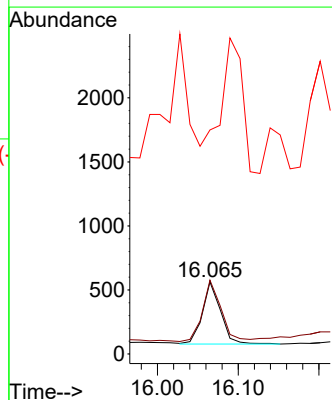
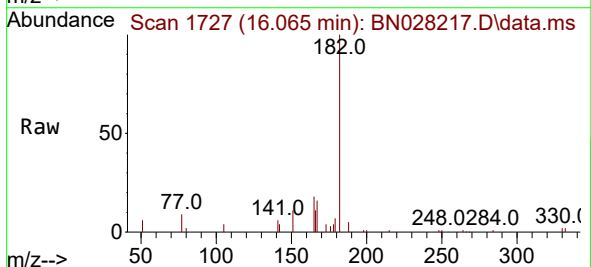
Instrument :
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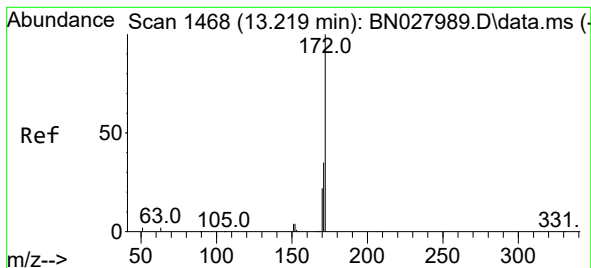
Tgt Ion:164 Resp: 8302
Ion Ratio Lower Upper
164 100
162 108.2 80.8 121.2
160 51.0 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.199 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion:330 Resp: 755
Ion Ratio Lower Upper
330 100
332 101.1 78.1 117.1
141 0.0 33.4 50.2#

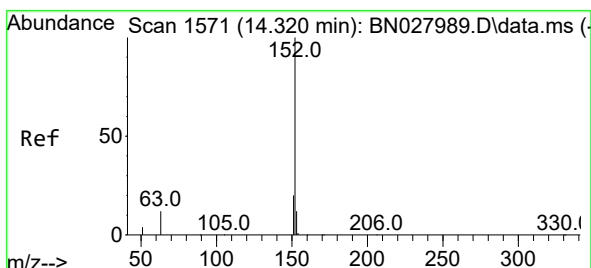
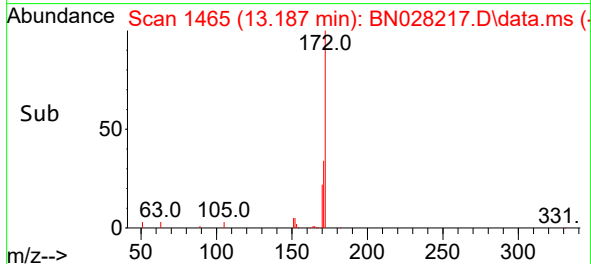
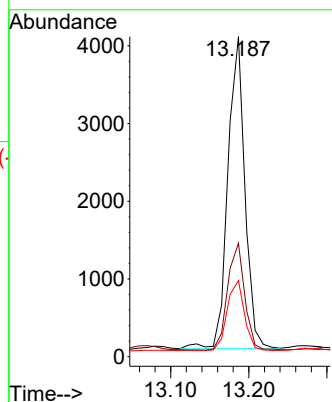
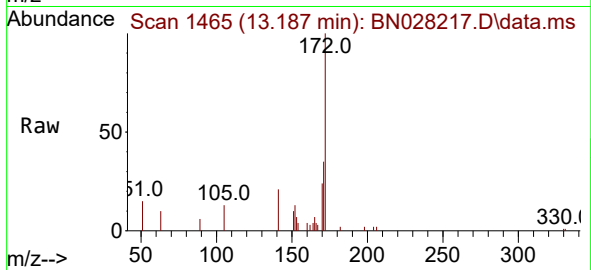




#15
2-Fluorobiphenyl
Concen: 0.203 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

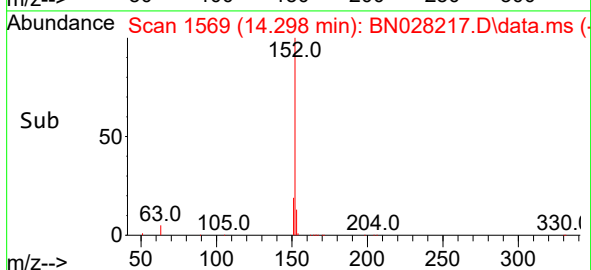
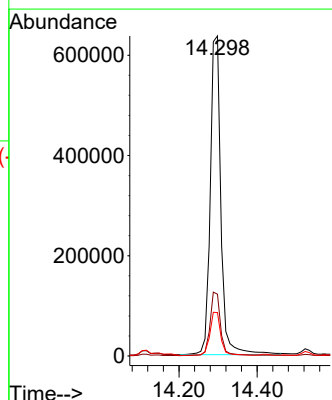
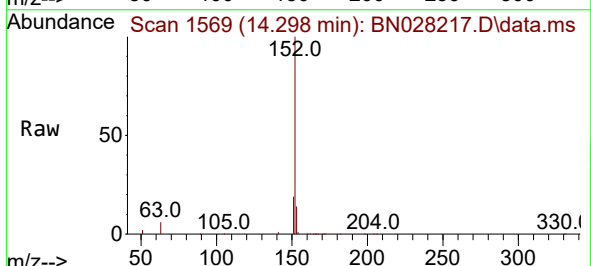
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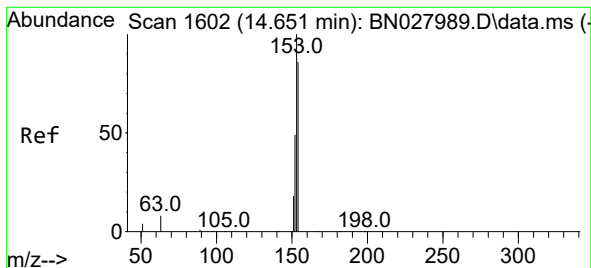
Tgt Ion:172 Resp: 6082
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.8 18.4 27.6



#16
Acenaphthylene
Concen: 32.899 ng
RT: 14.298 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion:152 Resp: 1209951
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.7 10.2 15.4





#17

Acenaphthene

Concen: 8.243 ng

RT: 14.630 min Scan# 1600

Delta R.T. 0.000 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

Instrument :

BNA_N

ClientSampleId :

SB-104-1(5-10)

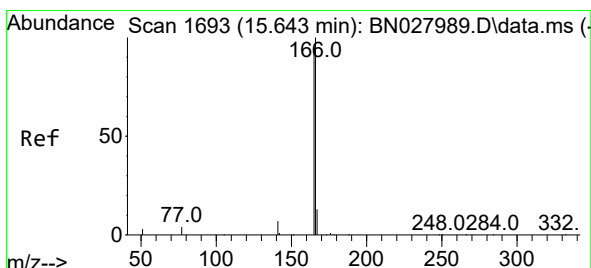
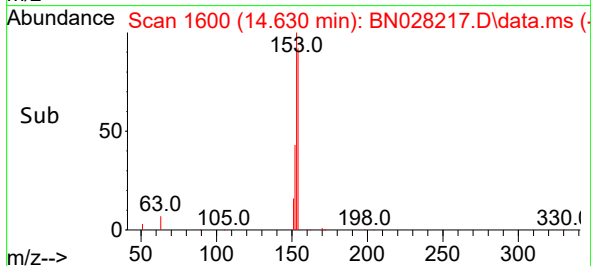
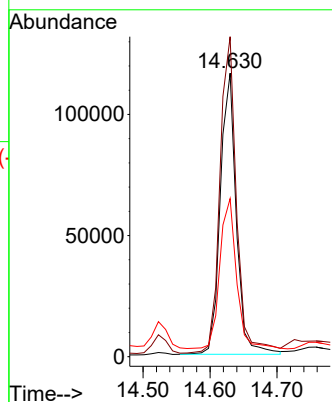
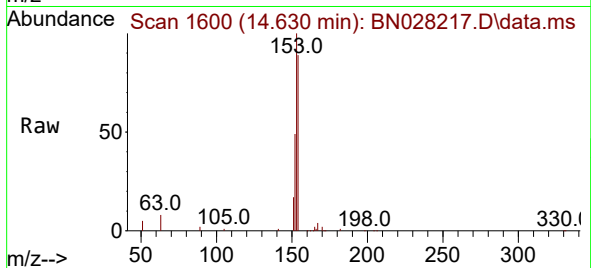
Tgt Ion:154 Resp: 193241

Ion Ratio Lower Upper

154 100

153 115.7 90.8 136.2

152 55.6 43.9 65.9



#18

Fluorene

Concen: 18.641 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.012 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

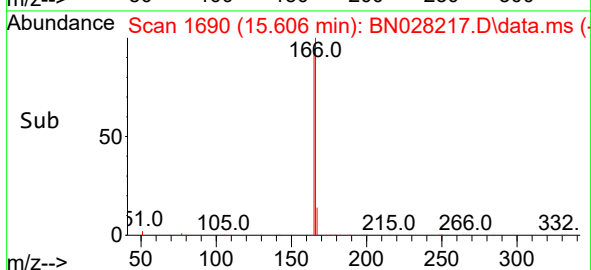
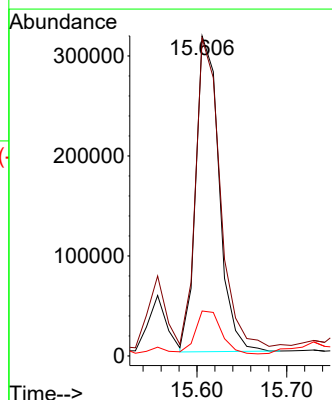
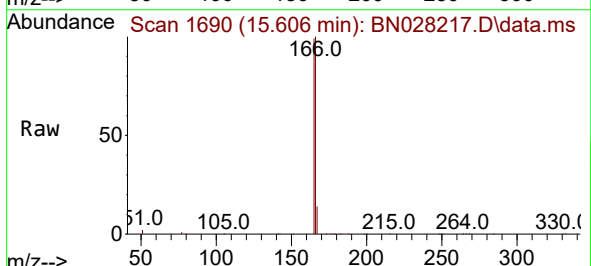
Tgt Ion:166 Resp: 567601

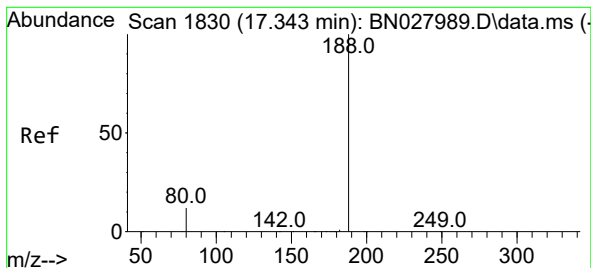
Ion Ratio Lower Upper

166 100

165 100.3 77.8 116.8

167 15.0 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: BN028217.D

Acq: 11 Oct 2023 04:10

Instrument :

BNA_N

ClientSampleId :

SB-104-1(5-10)

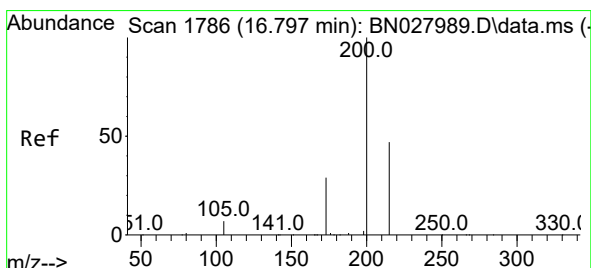
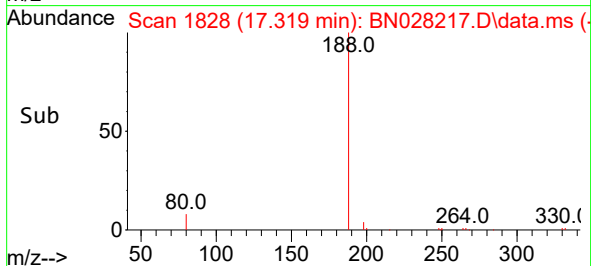
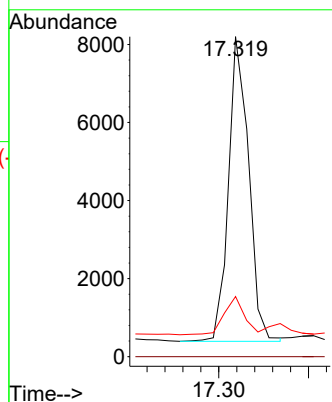
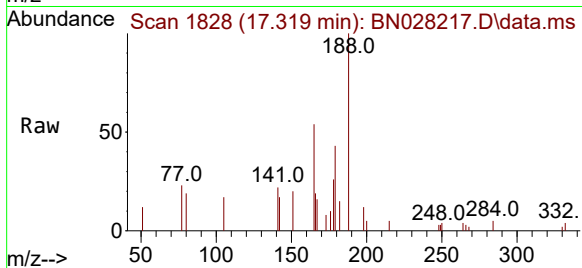
Tgt Ion:188 Resp: 12178

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 18.8 10.2 15.4#



#20

4,6-Dinitro-2-methylphenol

Concen: 8.340 ng

RT: 16.773 min Scan# 1784

Delta R.T. -0.012 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

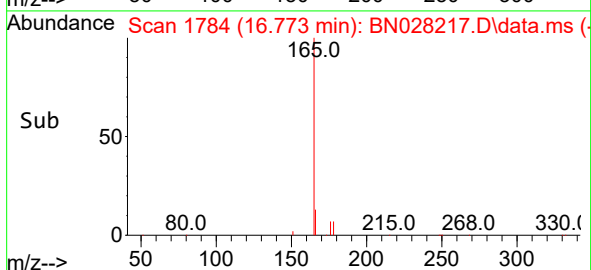
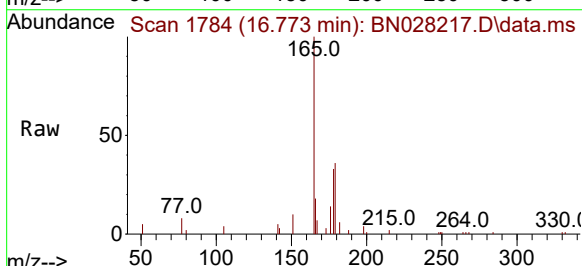
Tgt Ion:198 Resp: 1350

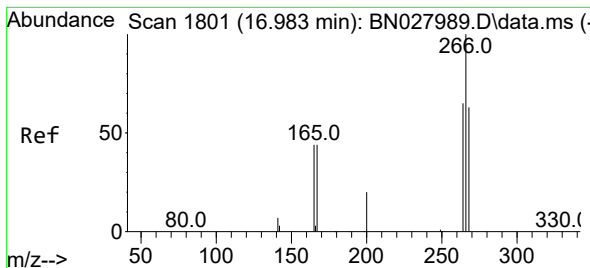
Ion Ratio Lower Upper

198 100

51 116.8 180.7 271.1#

105 106.2 222.2 333.2#





#24

Pentachlorophenol

Concen: 0.025 ng

RT: 16.971 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

Instrument :

BNA_N

ClientSampleId :

SB-104-1(5-10)

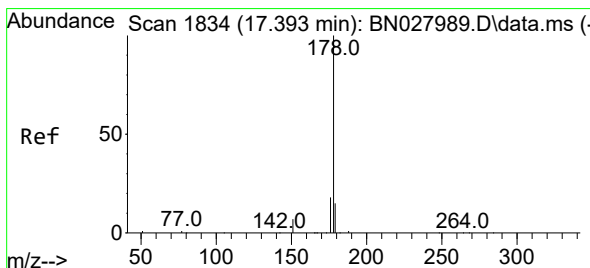
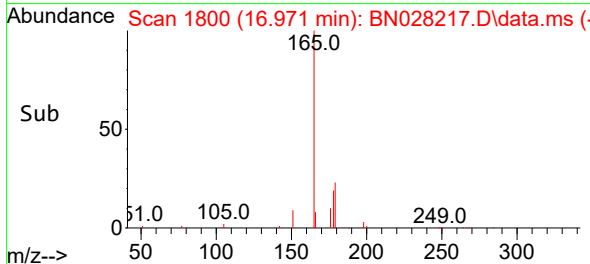
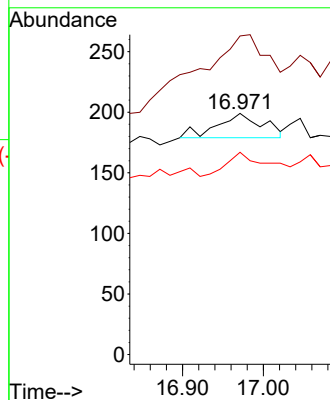
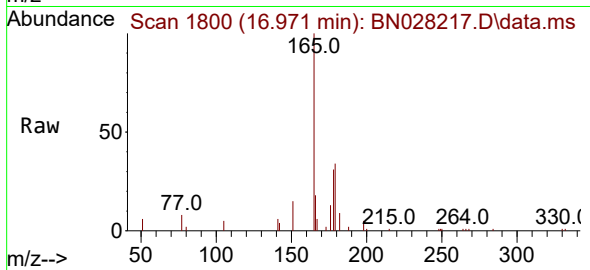
Tgt Ion:266 Resp: 78

Ion Ratio Lower Upper

266 100

264 138.5 52.7 79.1#

268 91.0 56.2 84.2#



#25

Phenanthrene

Concen: 111.362 ng

RT: 17.368 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

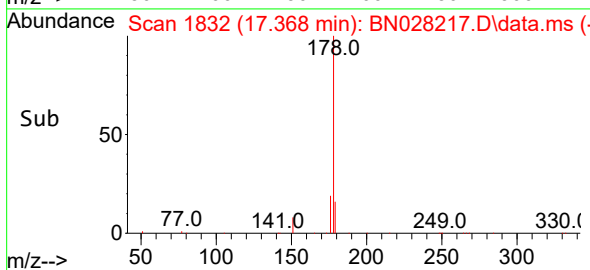
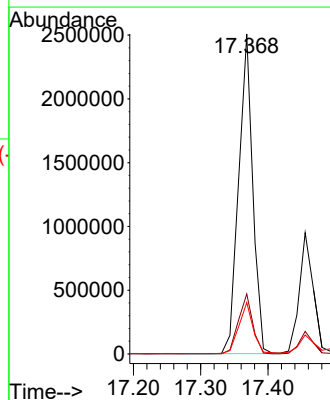
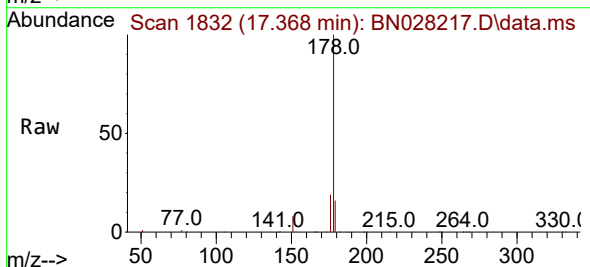
Tgt Ion:178 Resp: 3656192

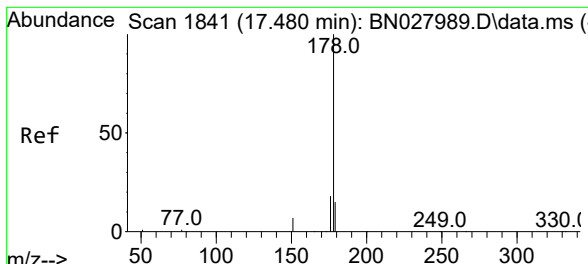
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 16.0 12.4 18.6



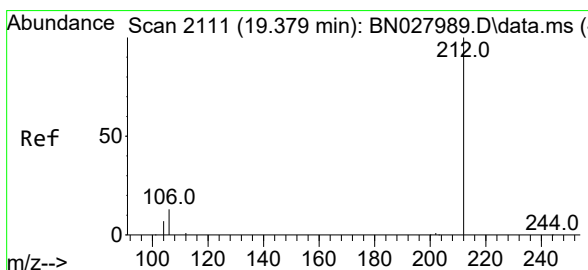
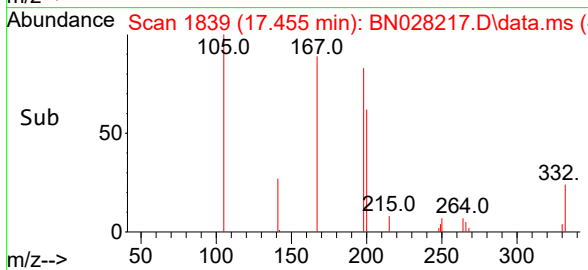
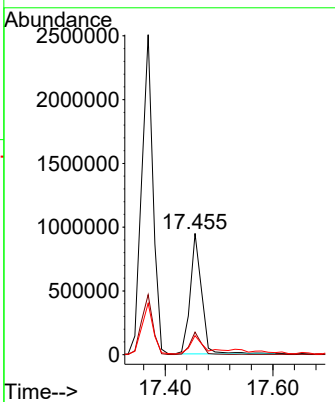
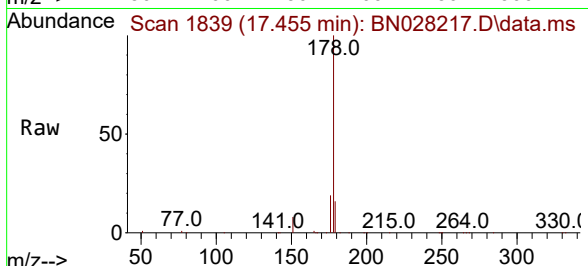


#26
 Anthracene
 Concen: 45.186 ng
 RT: 17.455 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028217.D
 Acq: 11 Oct 2023 04:10

Instrument :
 BNA_N
 ClientSampleId :
 SB-104-1(5-10)

Tgt Ion:178 Resp: 1402233

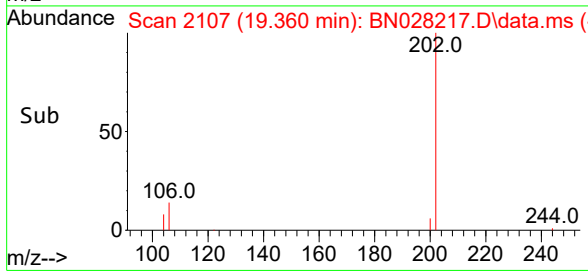
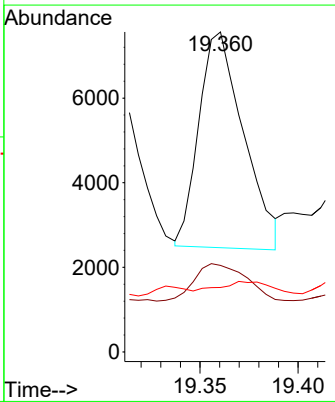
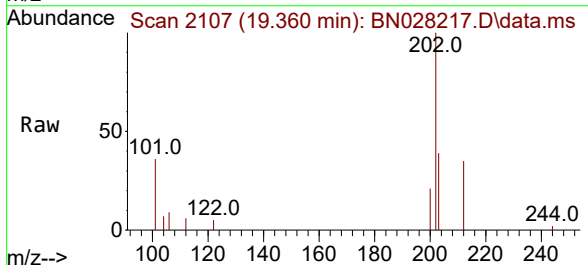
Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	19.1	12.2	18.2#

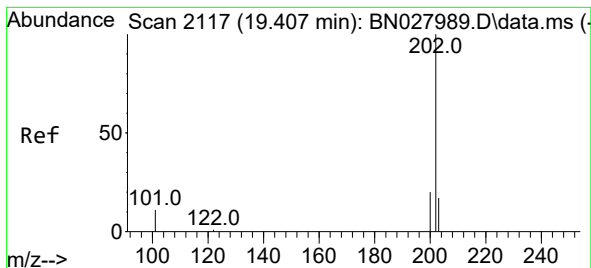


#27
 Fluoranthene-d10
 Concen: 0.264 ng
 RT: 19.360 min Scan# 2107
 Delta R.T. 0.005 min
 Lab File: BN028217.D
 Acq: 11 Oct 2023 04:10

Tgt Ion:212 Resp: 8067

Ion	Ratio	Lower	Upper
212	100		
106	20.0	11.3	16.9#
104	5.8	6.4	9.6#





#28

Fluoranthene

Concen: 84.521 ng

RT: 19.393 min Scan# 2114

Delta R.T. 0.009 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

Instrument :

BNA_N

ClientSampleId :

SB-104-1(5-10)

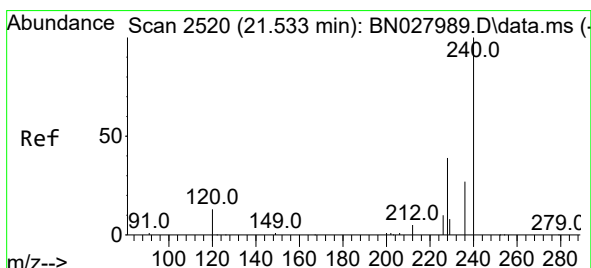
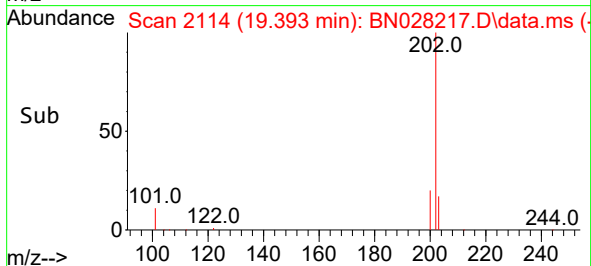
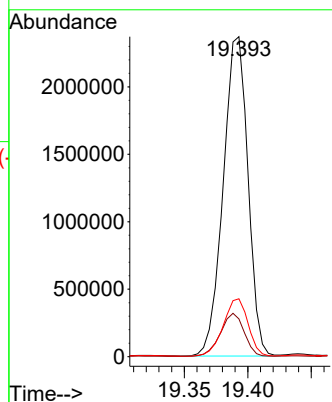
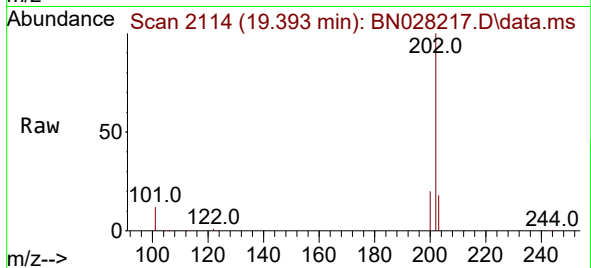
Tgt Ion:202 Resp: 3202516

Ion Ratio Lower Upper

202 100

101 13.0 9.8 14.6

203 17.9 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: BN028217.D

Acq: 11 Oct 2023 04:10

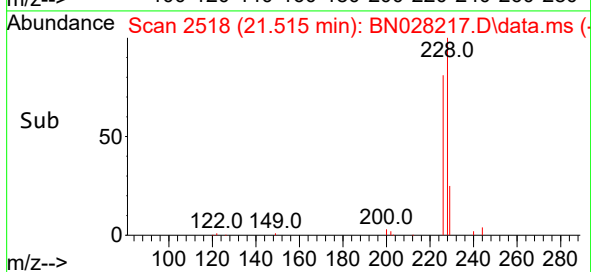
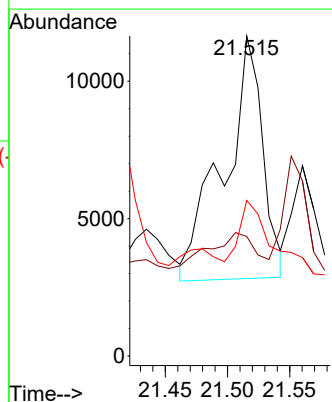
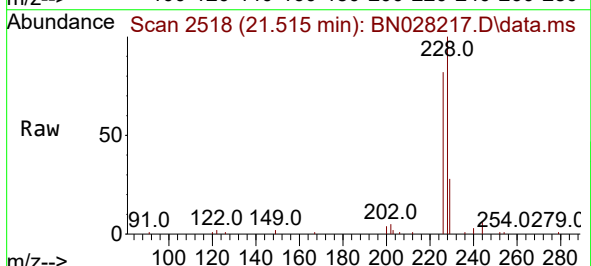
Tgt Ion:240 Resp: 19181

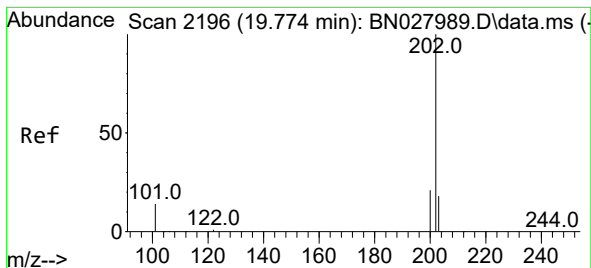
Ion Ratio Lower Upper

240 100

120 37.4 13.8 20.6#

236 48.6 22.6 33.8#





#30

Pyrene

Concen: 55.567 ng

RT: 19.760 min Scan# 2196

Delta R.T. 0.009 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

Instrument :

BNA_N

ClientSampleId :

SB-104-1(5-10)

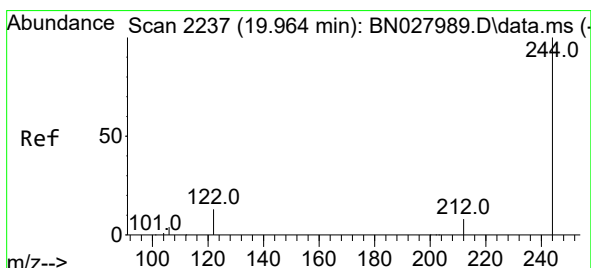
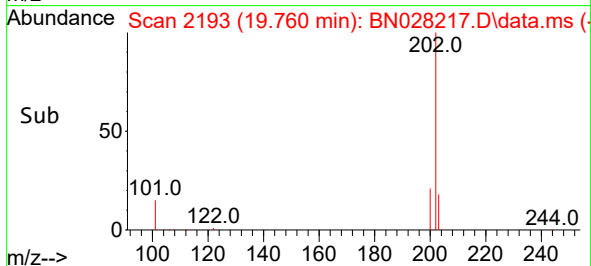
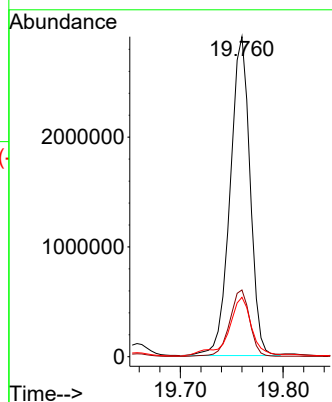
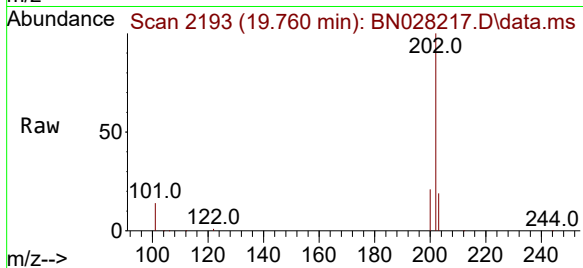
Tgt Ion:202 Resp: 3908308

Ion Ratio Lower Upper

202 100

200 21.1 16.5 24.7

203 21.2 14.7 22.1



#31

Terphenyl-d14

Concen: 0.186 ng

RT: 19.941 min Scan# 2232

Delta R.T. 0.000 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

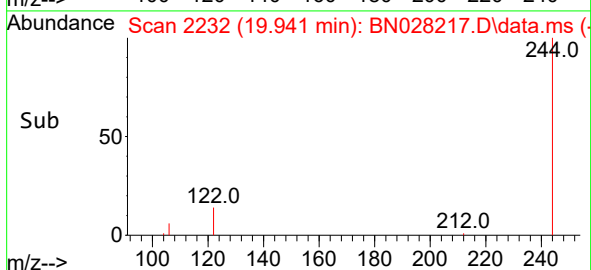
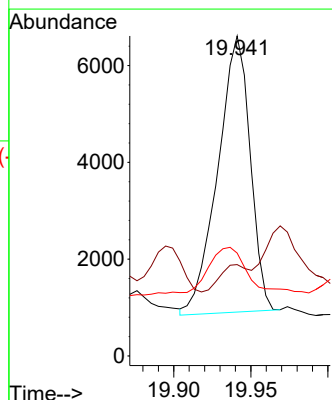
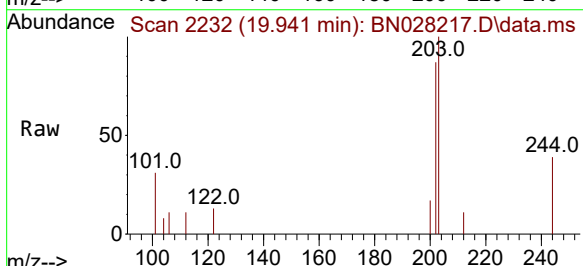
Tgt Ion:244 Resp: 8330

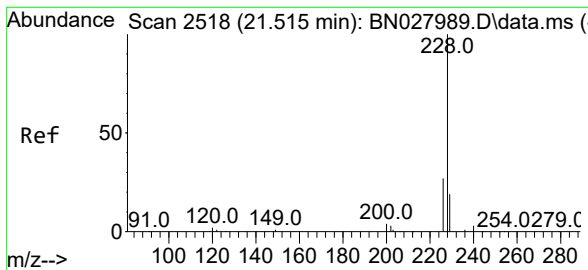
Ion Ratio Lower Upper

244 100

212 28.6 6.6 9.8#

122 32.2 11.4 17.0#

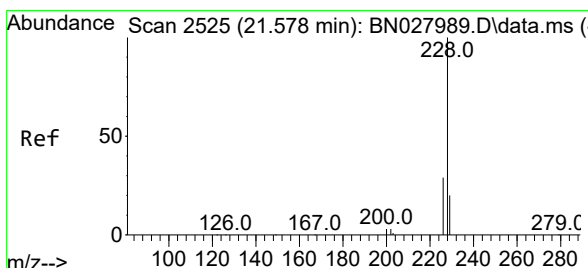
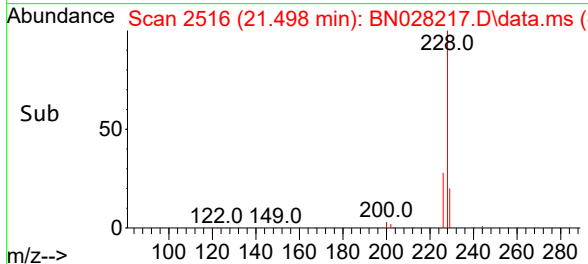
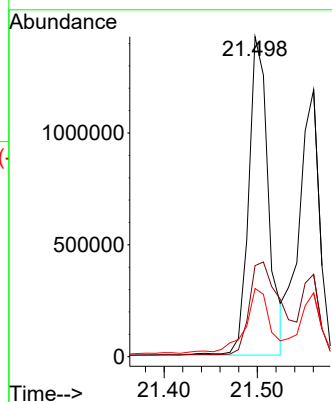
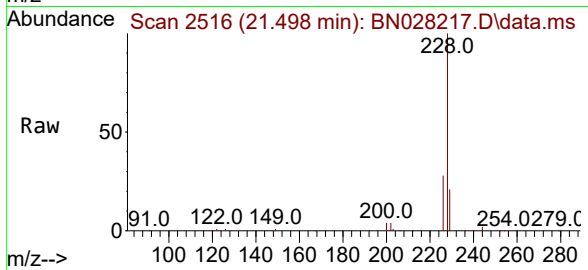




#32
Benzo(a)anthracene
Concen: 32.187 ng
RT: 21.498 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

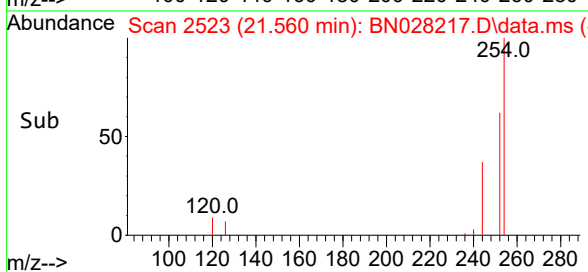
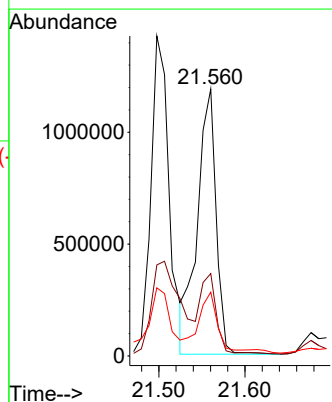
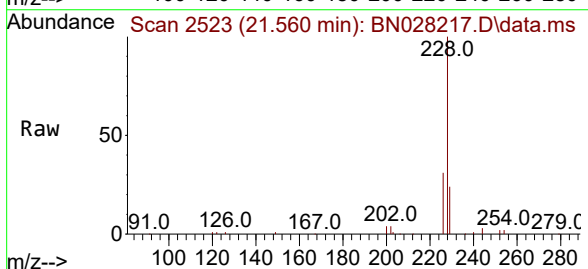
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)

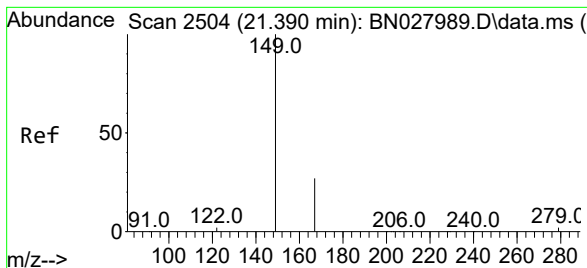
Tgt Ion:228 Resp: 2100838
Ion Ratio Lower Upper
228 100
226 28.5 22.0 33.0
229 21.3 16.0 24.0



#33
Chrysene
Concen: 28.759 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion:228 Resp: 1808954
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 23.9 16.6 25.0

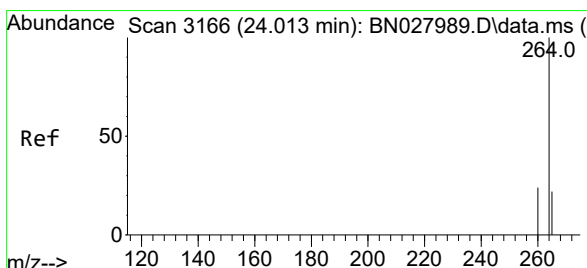
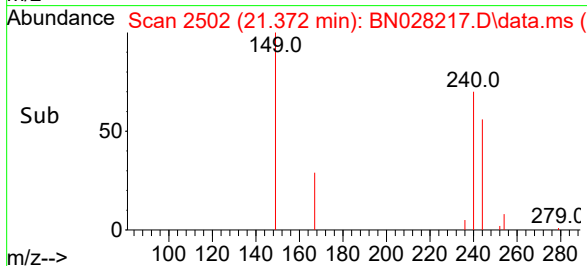
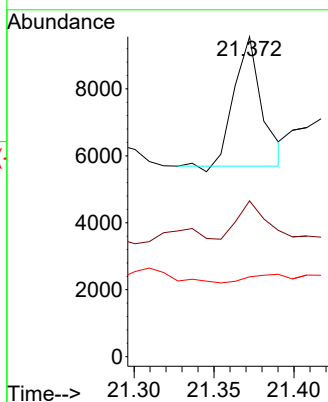
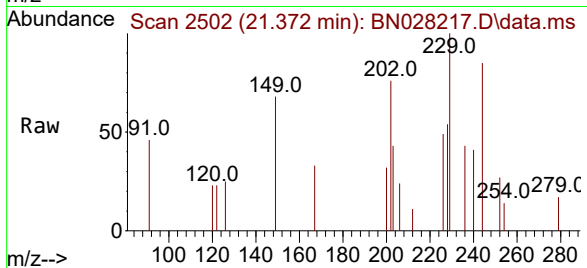




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.108 ng
RT: 21.372 min Scan# 21356
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

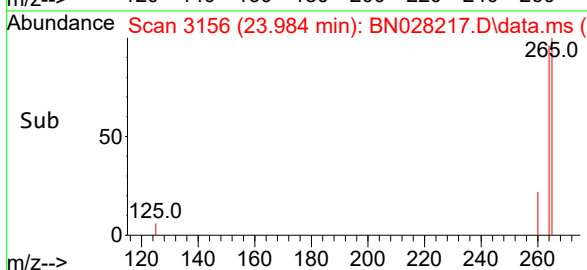
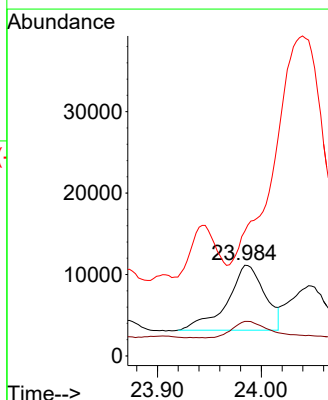
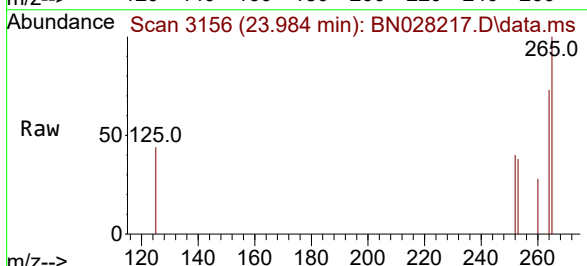
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)

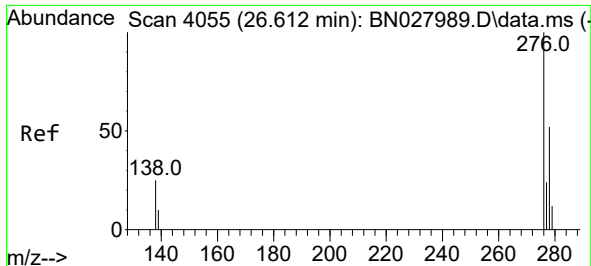
Tgt Ion:149 Resp: 4632
Ion Ratio Lower Upper
149 100
167 36.0 22.1 33.1#
279 9.8 3.4 5.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.984 min Scan# 3156
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion:264 Resp: 20057
Ion Ratio Lower Upper
264 100
260 38.1 20.2 30.4#
265 137.3 54.8 82.2#

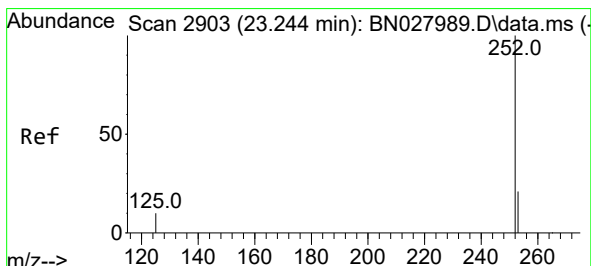
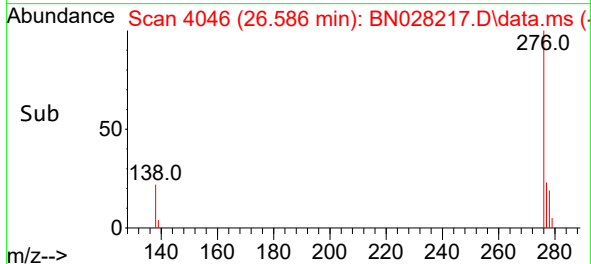
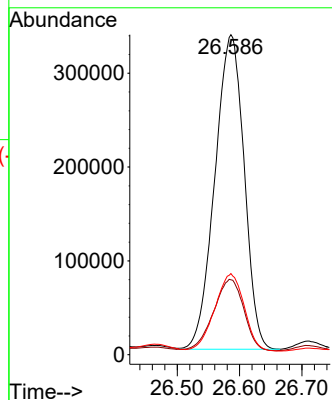
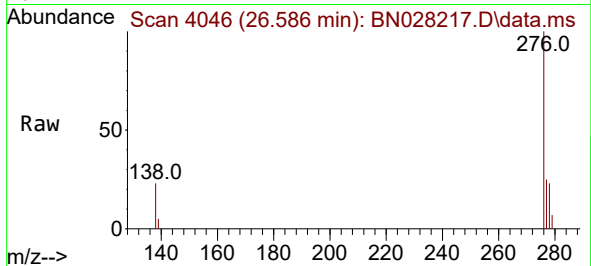




#36
Indeno(1,2,3-cd)pyrene
Concen: 16.206 ng
RT: 26.586 min Scan# 4055
Delta R.T. 0.029 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

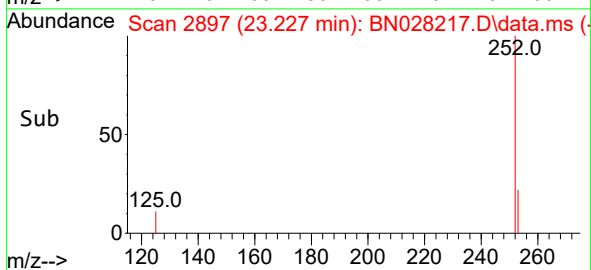
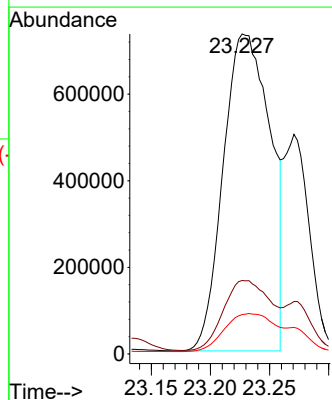
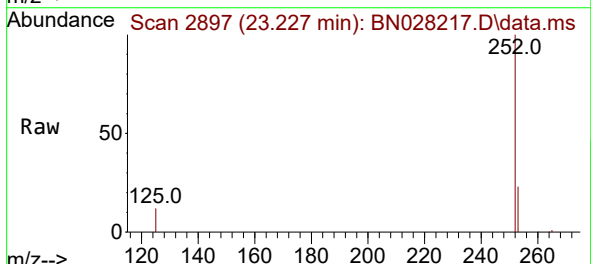
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)

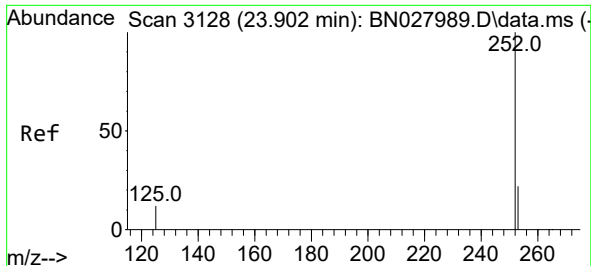
Tgt Ion:276 Resp: 1093316
Ion Ratio Lower Upper
276 100
138 23.5 20.9 31.3
277 24.8 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 31.268 ng
RT: 23.227 min Scan# 2897
Delta R.T. 0.015 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion:252 Resp: 2025432
Ion Ratio Lower Upper
252 100
253 22.9 22.9 34.3
125 12.3 13.8 20.8#

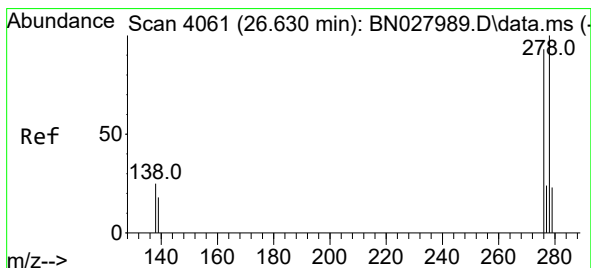
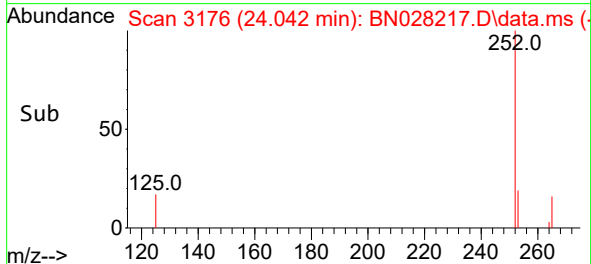
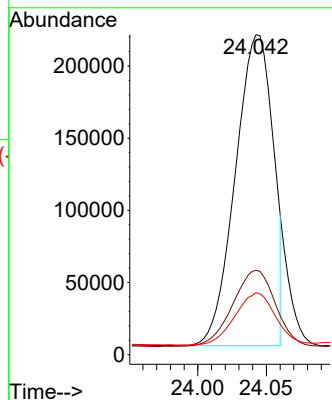
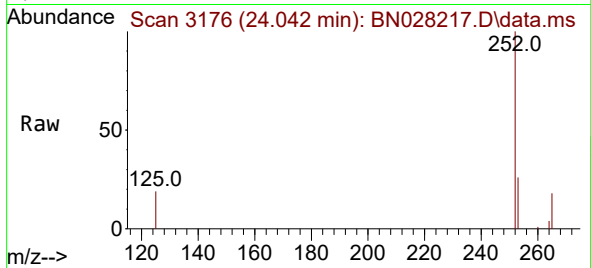




#39
Benzo(a)pyrene
Concen: 6.731 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.178 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

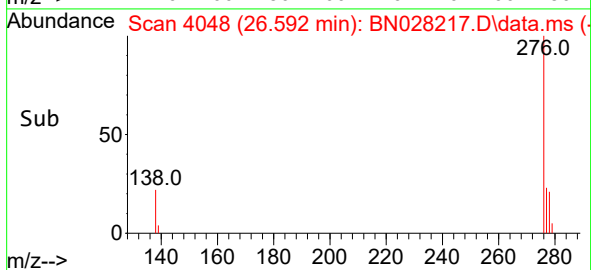
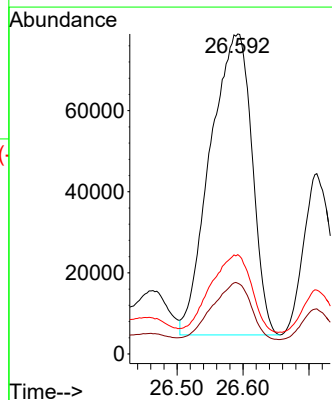
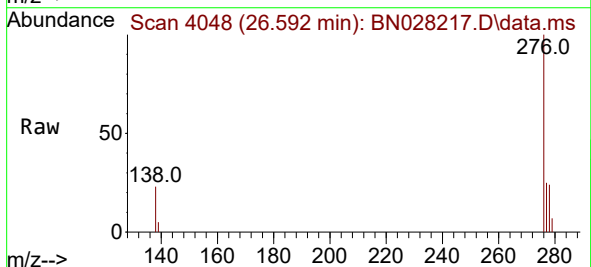
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)

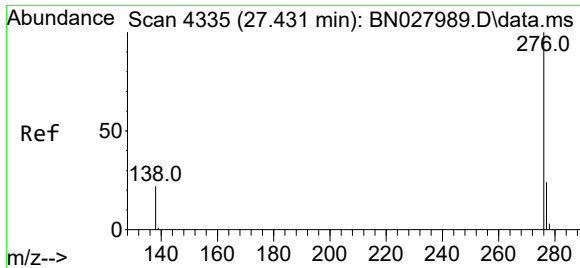
Tgt Ion:252 Resp: 412276
Ion Ratio Lower Upper
252 100
253 26.4 25.0 37.4
125 19.4 16.6 24.8



#40
Dibenzo(a,h)anthracene
Concen: 5.937 ng
RT: 26.592 min Scan# 4048
Delta R.T. 0.015 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

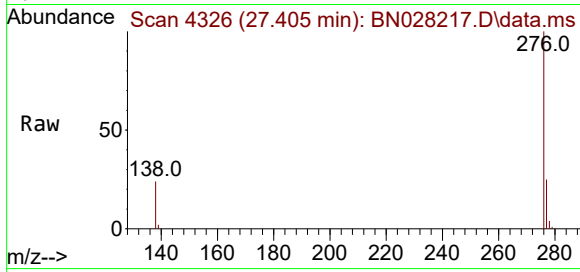
Tgt Ion:278 Resp: 327681
Ion Ratio Lower Upper
278 100
139 22.1 17.7 26.5
279 31.1 25.2 37.8





#41
Benzo(g,h,i)perylene
Concen: 19.843 ng
RT: 27.405 min Scan# 41
Delta R.T. 0.038 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:276 Resp: 1124062
Ion Ratio Lower Upper
276 100
277 24.8 22.1 33.1
138 23.9 20.8 31.2

