

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028219.D
 Acq On : 11 Oct 2023 05:22
 Operator : MA/JU
 Sample : 04767-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 D-1(0-5)

Quant Time: Oct 11 05:50:51 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

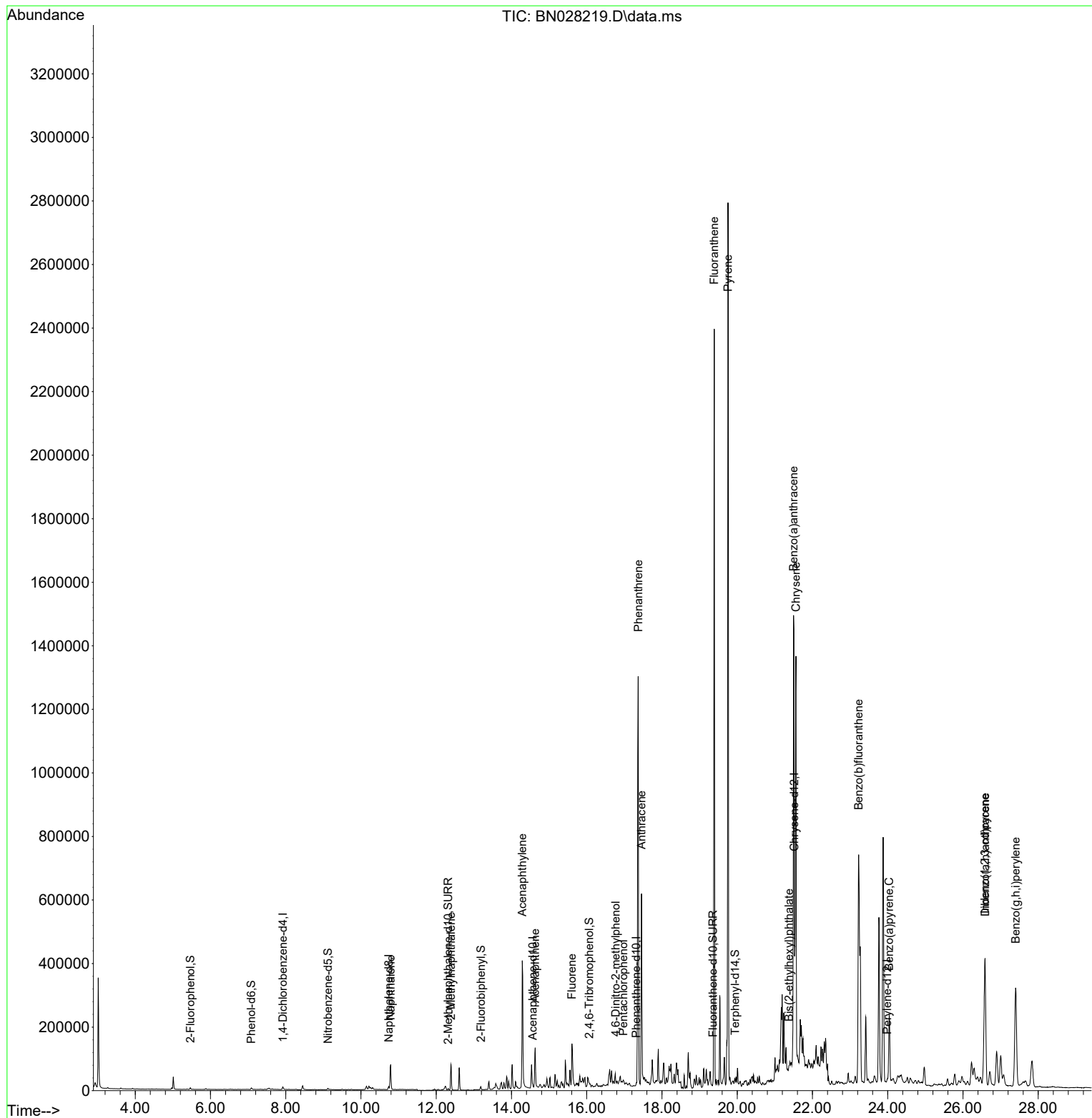
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	4010	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	12761	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7917	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	13676	0.400	ng	0.00
29) Chrysene-d12	21.515	240	16552	0.400	ng	# 0.00
35) Perylene-d12	23.987	264	19317	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	4575	0.383	ng	0.00
5) Phenol-d6	7.084	99	5624	0.373	ng	0.00
8) Nitrobenzene-d5	9.123	82	4053	0.373	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	6669	0.353	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	1269	0.350	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	9057	0.317	ng	0.00
27) Fluoranthene-d10	19.356	212	12499	0.364	ng	0.00
31) Terphenyl-d14	19.941	244	11565	0.299	ng	0.00
Target Compounds						
9) Naphthalene	10.789	128	107913	3.273	ng	98
12) 2-Methylnaphthalene	12.392	142	57285	2.484	ng	99
16) Acenaphthylene	14.288	152	524605	14.958	ng	100
17) Acenaphthene	14.630	154	71783	3.211	ng	99
18) Fluorene	15.606	166	121647	4.189	ng	90
20) 4,6-Dinitro-2-methylph...	16.772	198	580	3.191	ng	# 32
24) Pentachlorophenol	16.971	266	109	0.031	ng	90
25) Phenanthrene	17.368	178	1433309	38.875	ng	99
26) Anthracene	17.455	178	604642	17.350	ng	# 95
28) Fluoranthene	19.388	202	2084838	48.996	ng	99
30) Pyrene	19.755	202	2456905	40.480	ng	100
32) Benzo(a)anthracene	21.497	228	1395046	24.769	ng	98
33) Chrysene	21.560	228	1216903	22.419	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	7160	0.193	ng	# 64
36) Indeno(1,2,3-cd)pyrene	26.586	276	686801	10.570	ng	97
37) Benzo(b)fluoranthene	23.227	252	1376392	22.062	ng	# 89
39) Benzo(a)pyrene	24.039	252	264762	4.488	ng	95
40) Dibenzo(a,h)anthracene	26.589	278	210102	3.953	ng	99
41) Benzo(g,h,i)perylene	27.399	276	697622	12.787	ng	96

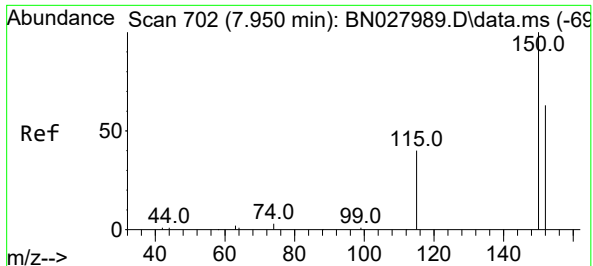
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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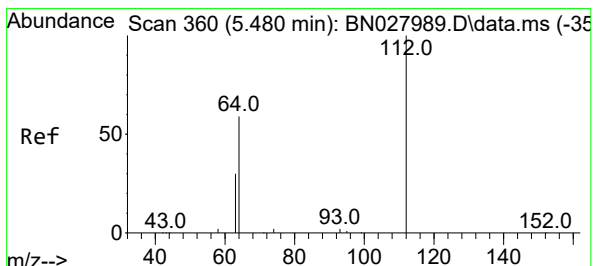
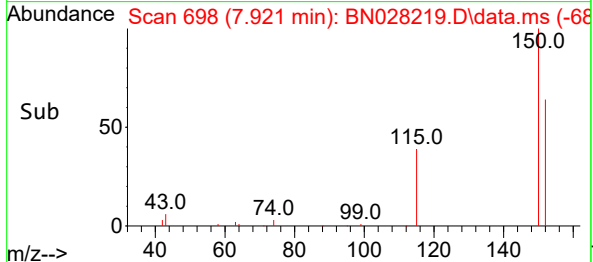
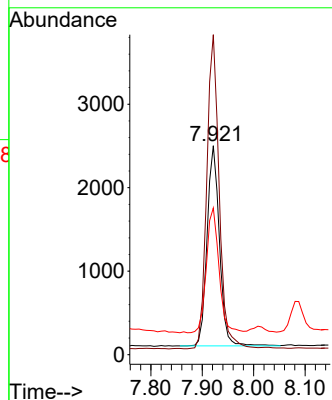
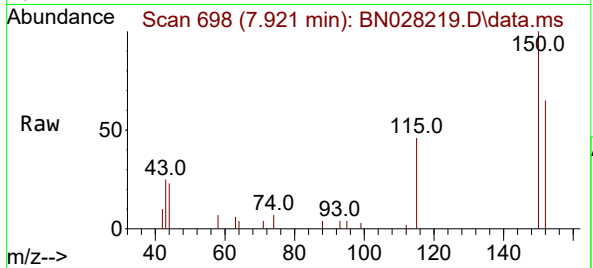




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.921 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

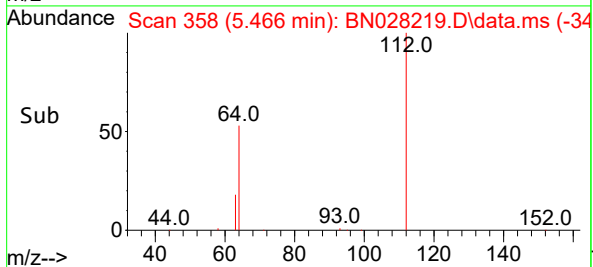
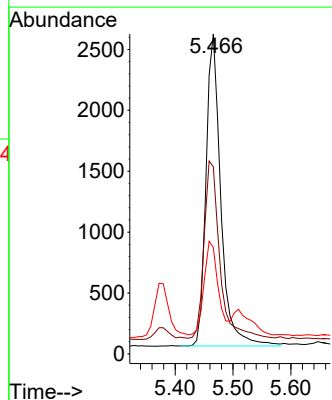
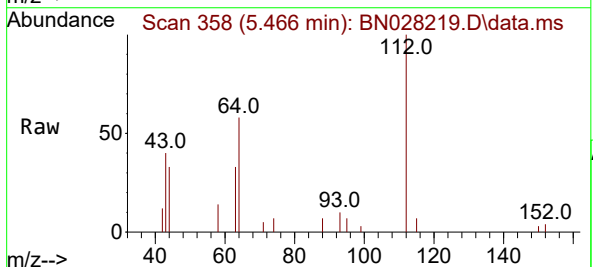
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)

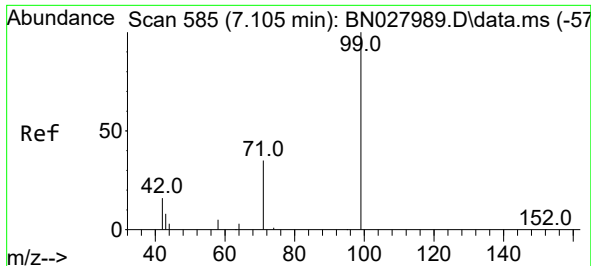
Tgt Ion:152 Resp: 4010
Ion Ratio Lower Upper
152 100
150 153.1 125.6 188.4
115 70.2 54.8 82.2



#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:112 Resp: 4575
Ion Ratio Lower Upper
112 100
64 60.1 45.0 67.6
63 29.2 23.4 35.0

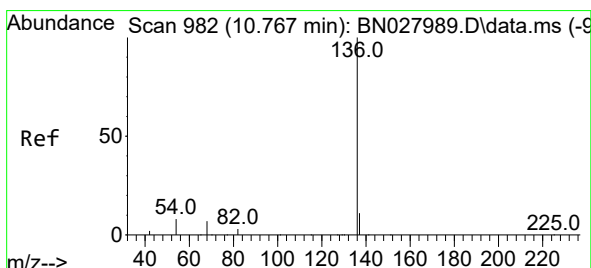
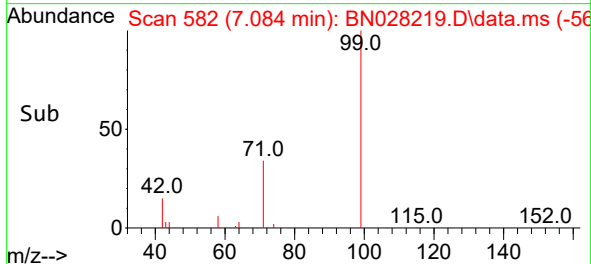
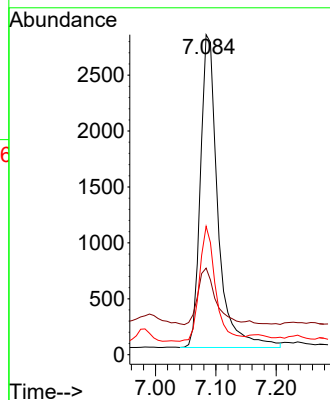
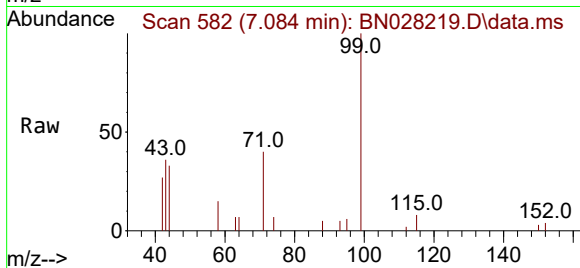




#5
Phenol-d6
Concen: 0.373 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

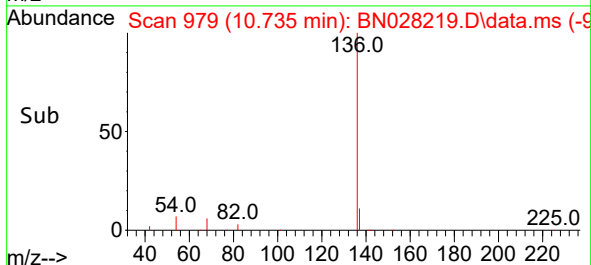
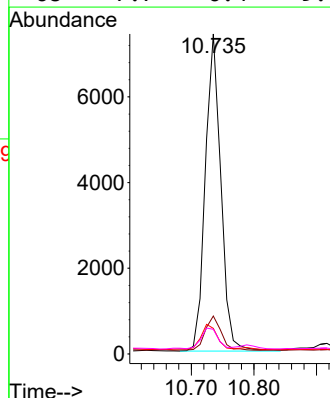
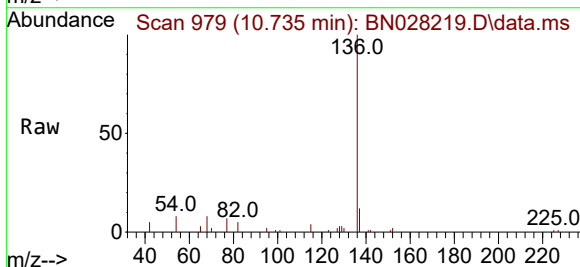
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)

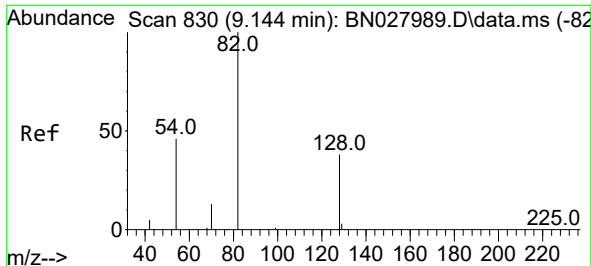
Tgt Ion: 99 Resp: 5624
Ion Ratio Lower Upper
99 100
42 19.1 14.6 22.0
71 34.0 28.3 42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion: 136 Resp: 12761
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 8.0 7.0 10.6
68 7.7 6.4 9.6

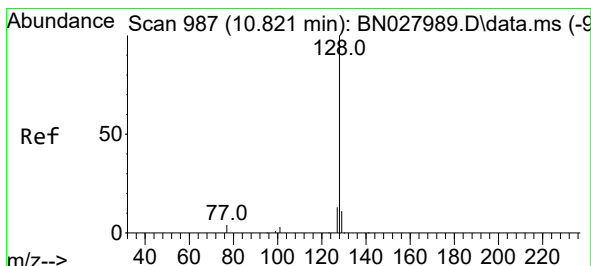
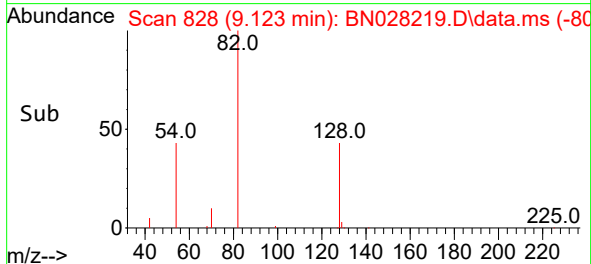
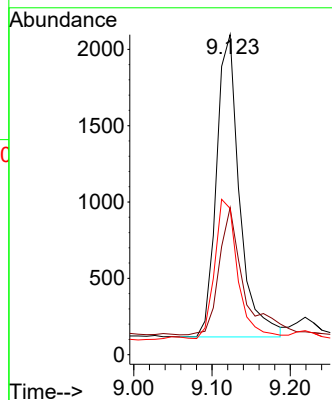
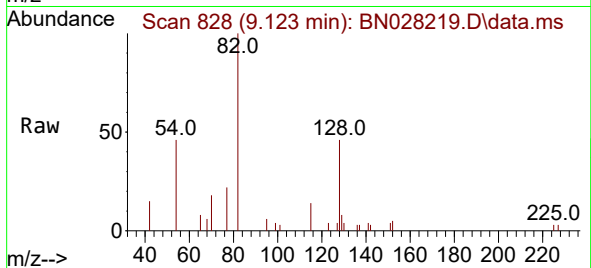




#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

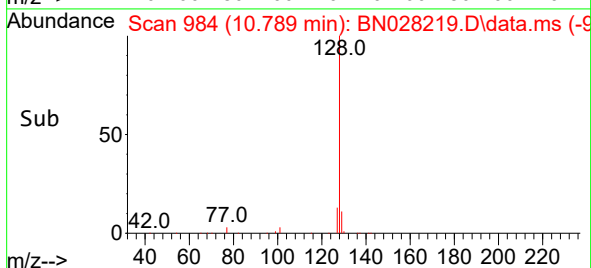
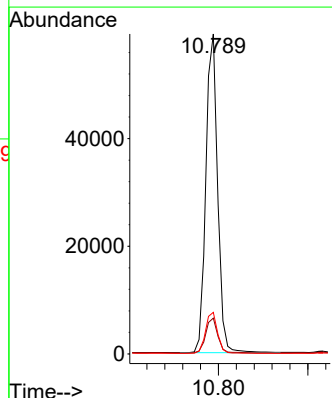
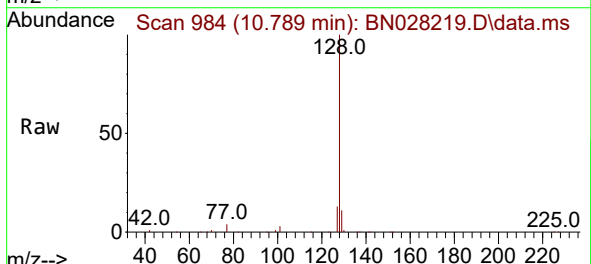
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)

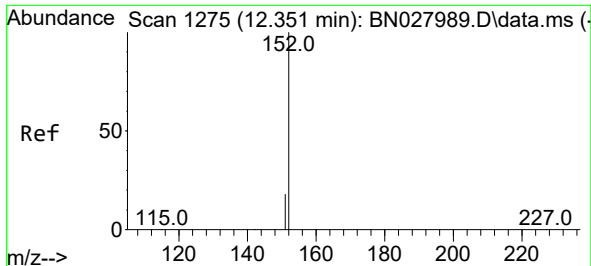
Tgt Ion: 82 Resp: 4053
Ion Ratio Lower Upper
82 100
128 45.9 32.7 49.1
54 45.7 38.7 58.1



#9
Naphthalene
Concen: 3.273 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion: 128 Resp: 107913
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.0 10.9 16.3





#11

2-Methylnaphthalene-d10

Concen: 0.353 ng

RT: 12.317 min Scan# 1266

Delta R.T. -0.008 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BNA_N

ClientSampleId :

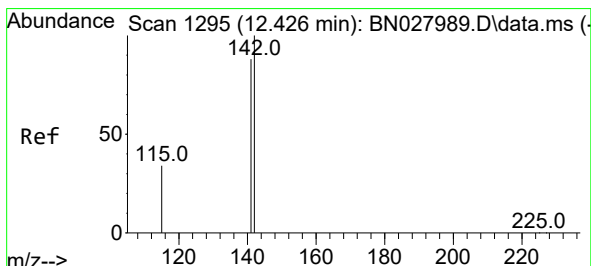
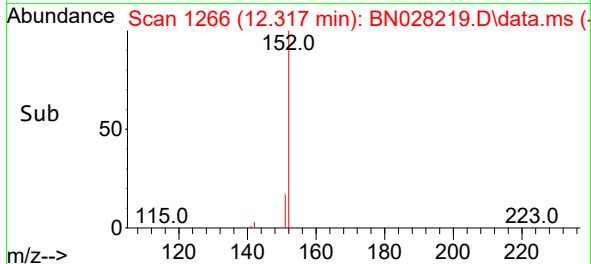
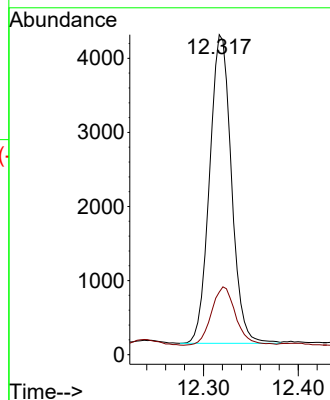
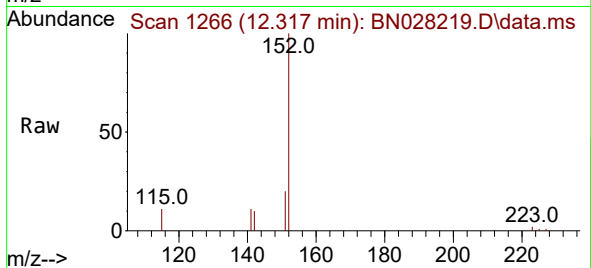
D-1(0-5)

Tgt Ion:152 Resp: 6669

Ion Ratio Lower Upper

152 100

151 21.4 16.5 24.7



#12

2-Methylnaphthalene

Concen: 2.484 ng

RT: 12.392 min Scan# 1286

Delta R.T. -0.008 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

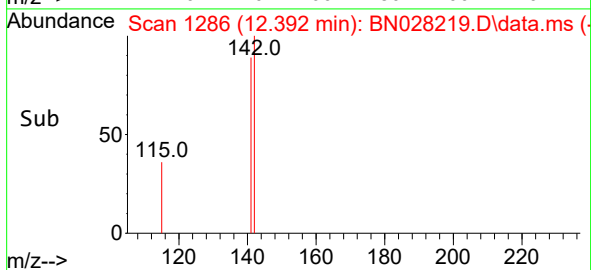
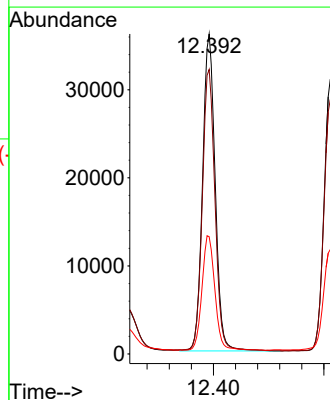
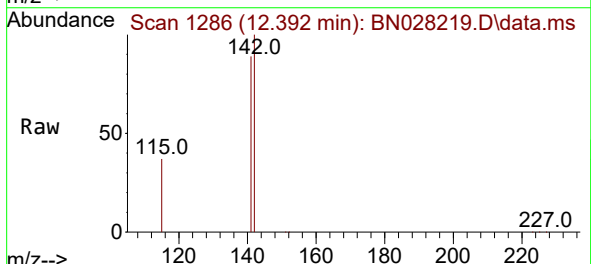
Tgt Ion:142 Resp: 57285

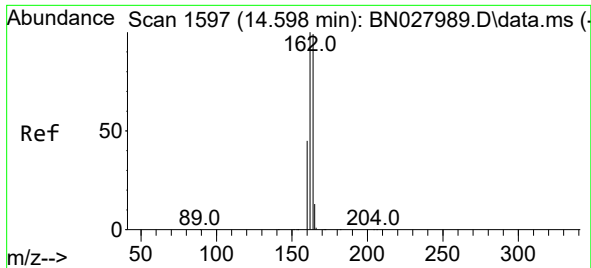
Ion Ratio Lower Upper

142 100

141 88.9 70.7 106.1

115 36.7 28.6 42.8

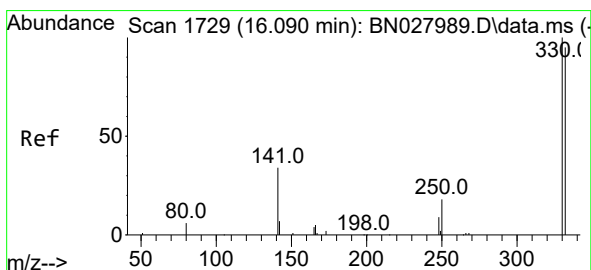
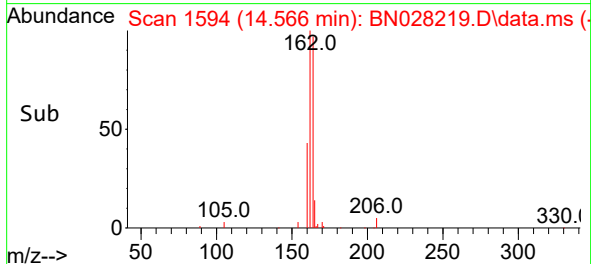
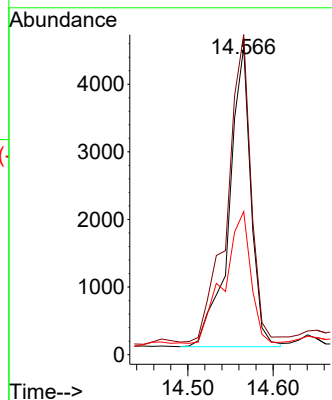
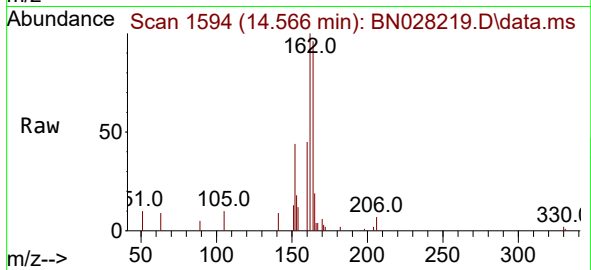




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

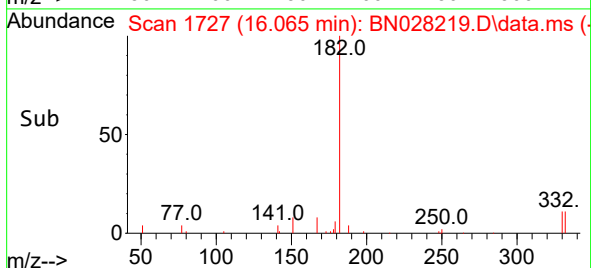
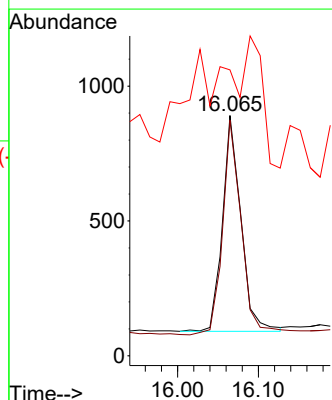
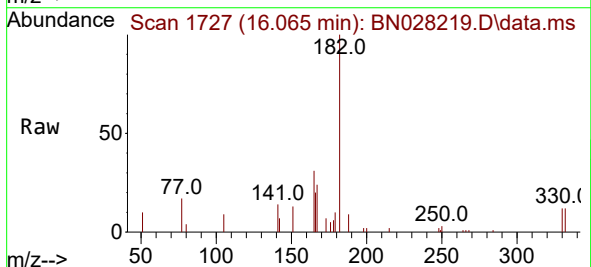
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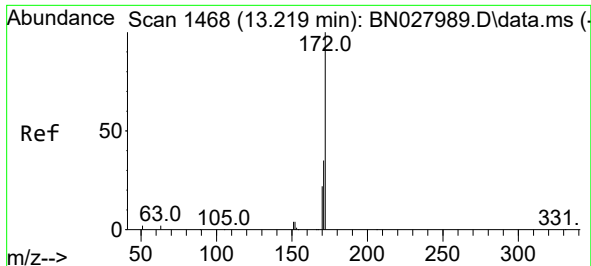
Tgt Ion:164 Resp: 7917
Ion Ratio Lower Upper
164 100
162 104.0 80.8 121.2
160 46.5 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:330 Resp: 1269
Ion Ratio Lower Upper
330 100
332 102.0 78.1 117.1
141 0.0 33.4 50.2#

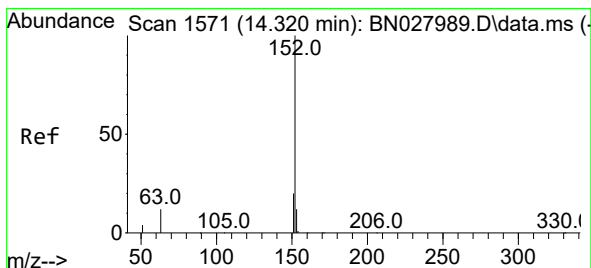
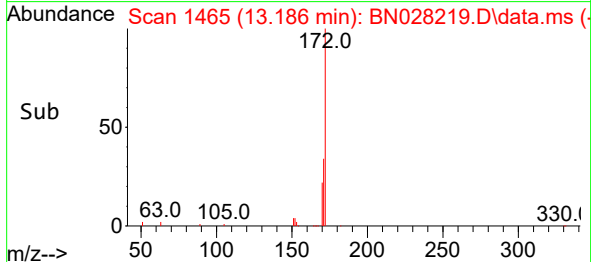
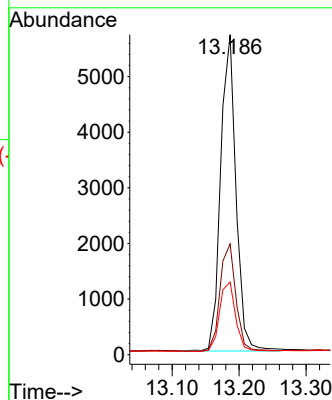
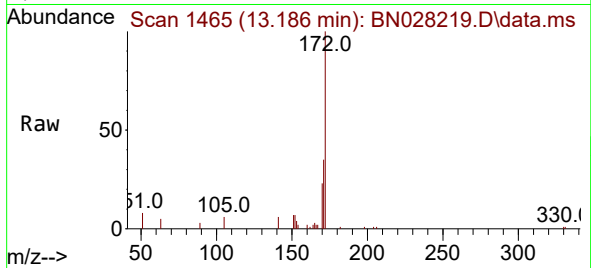




#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

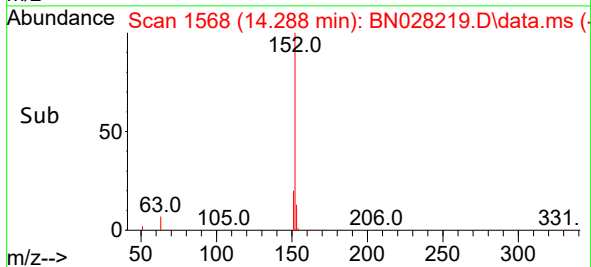
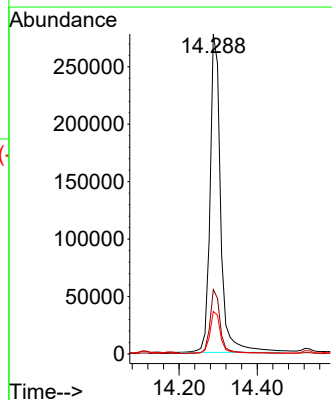
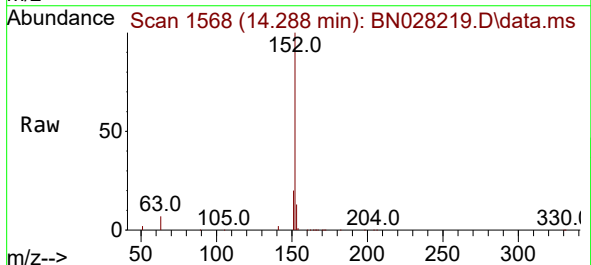
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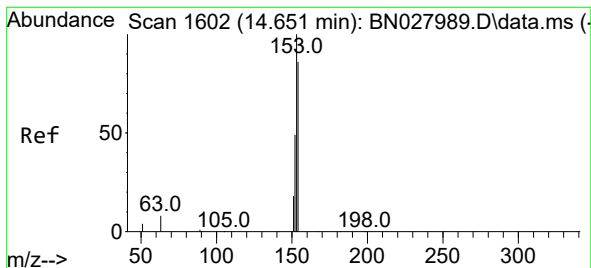
Tgt Ion:172 Resp: 9057
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 22.7 18.4 27.6



#16
Acenaphthylene
Concen: 14.958 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:152 Resp: 524605
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.0 10.2 15.4





#17

Acenaphthene

Concen: 3.211 ng

RT: 14.630 min Scan# 1600

Delta R.T. -0.000 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BNA_N

ClientSampleId :

D-1(0-5)

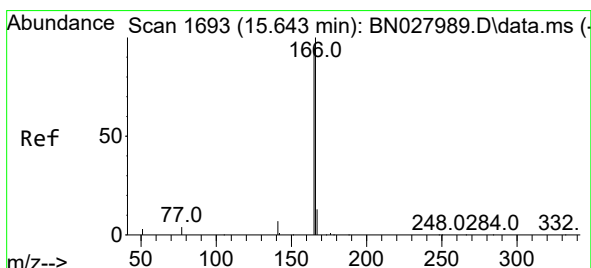
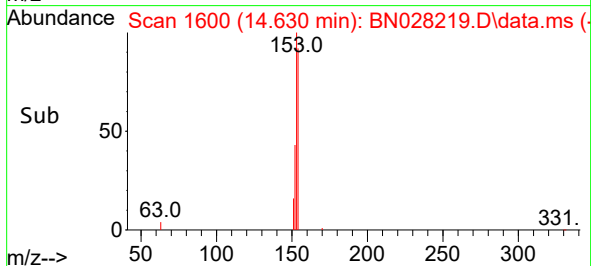
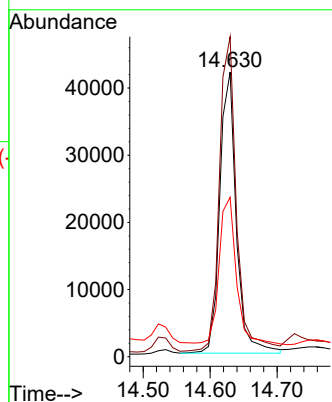
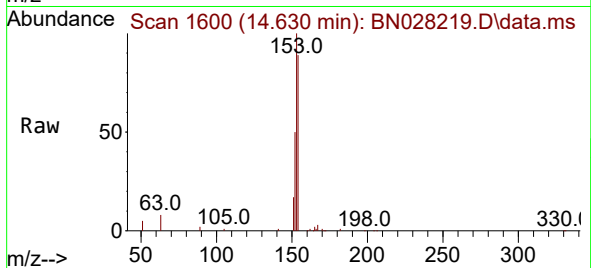
Tgt Ion:154 Resp: 71783

Ion Ratio Lower Upper

154 100

153 114.4 90.8 136.2

152 54.9 43.9 65.9



#18

Fluorene

Concen: 4.189 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.013 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

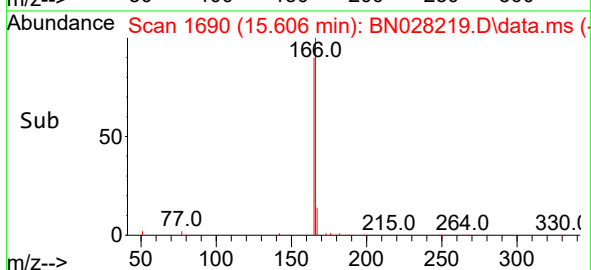
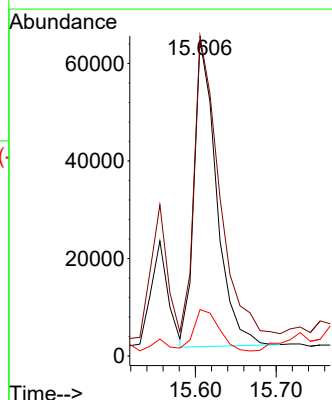
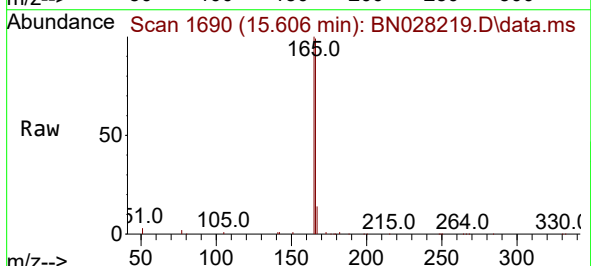
Tgt Ion:166 Resp: 121647

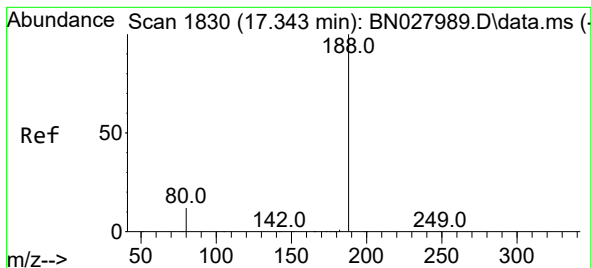
Ion Ratio Lower Upper

166 100

165 108.2 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: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BNA_N

ClientSampleId :

D-1(0-5)

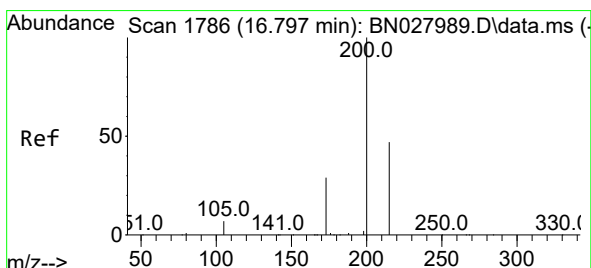
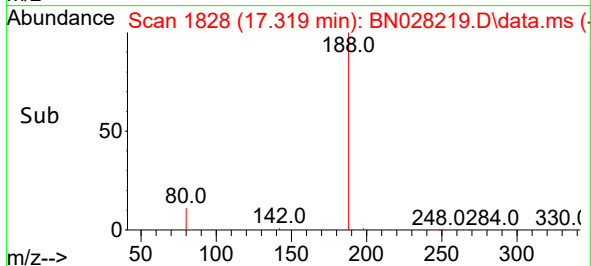
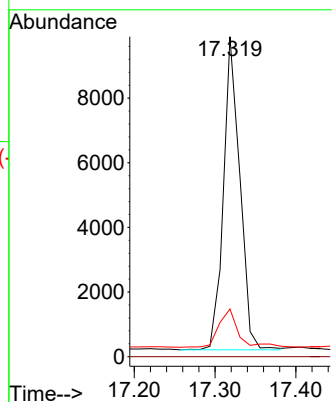
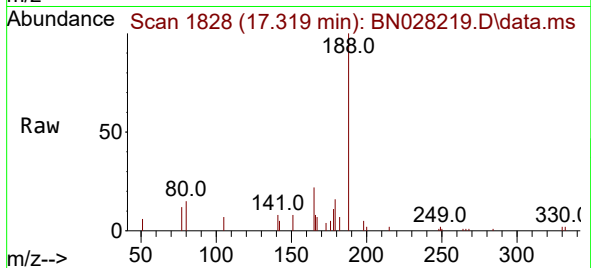
Tgt Ion:188 Resp: 13676

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.9 10.2 15.4



#20

4,6-Dinitro-2-methylphenol

Concen: 3.191 ng

RT: 16.772 min Scan# 1784

Delta R.T. -0.013 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

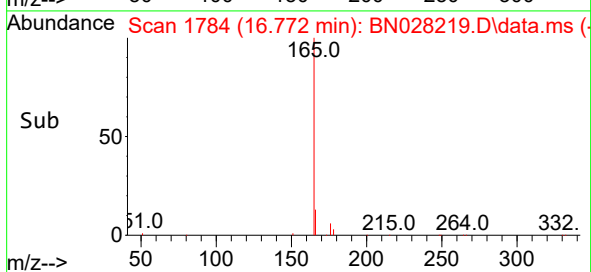
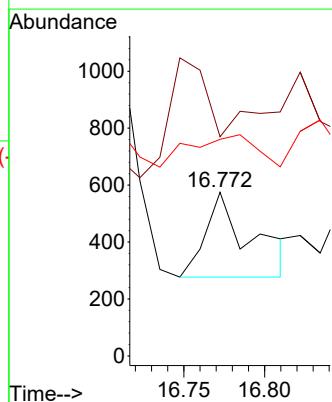
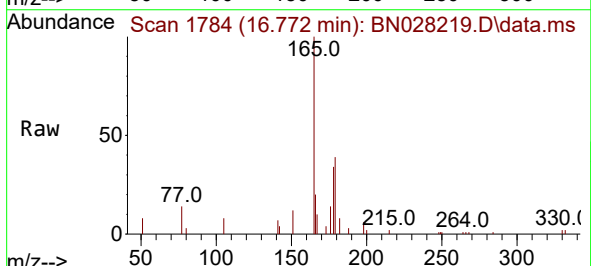
Tgt Ion:198 Resp: 580

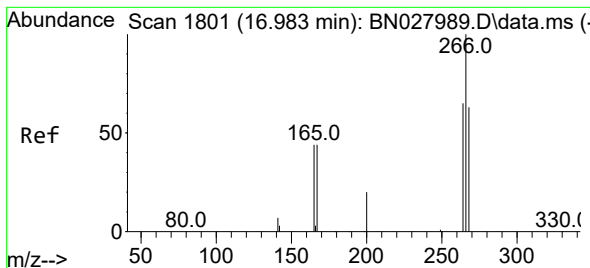
Ion Ratio Lower Upper

198 100

51 133.9 180.7 271.1#

105 132.3 222.2 333.2#





#24

Pentachlorophenol

Concen: 0.031 ng

RT: 16.971 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BNA_N

ClientSampleId :

D-1(0-5)

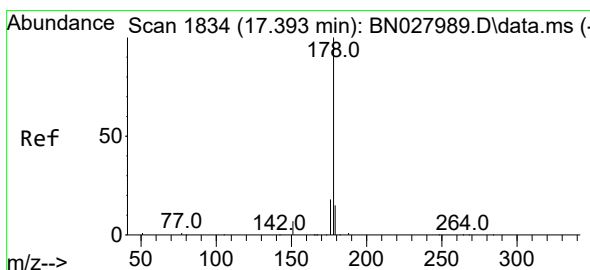
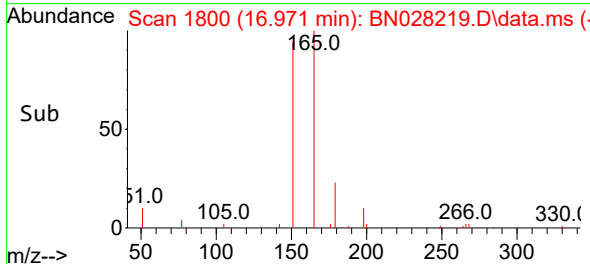
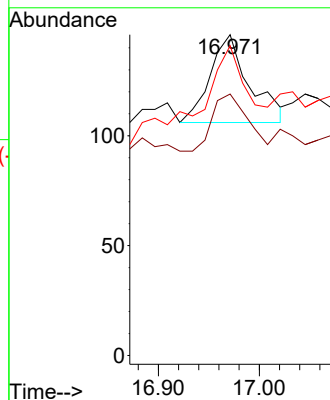
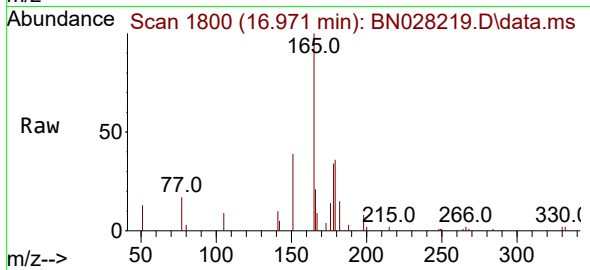
Tgt Ion:266 Resp: 109

Ion Ratio Lower Upper

266 100

264 57.8 52.7 79.1

268 78.0 56.2 84.2



#25

Phenanthrene

Concen: 38.875 ng

RT: 17.368 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

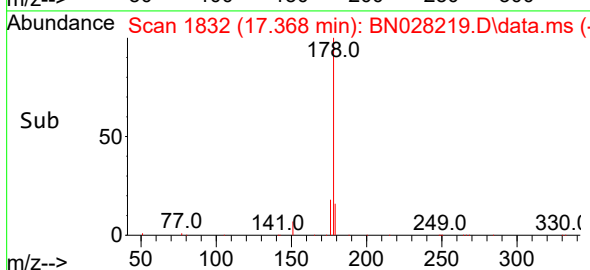
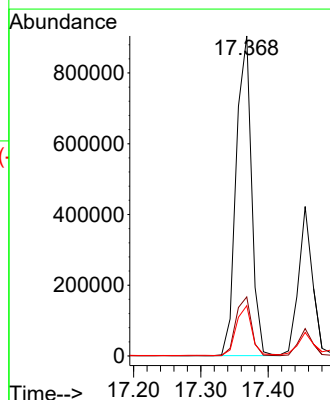
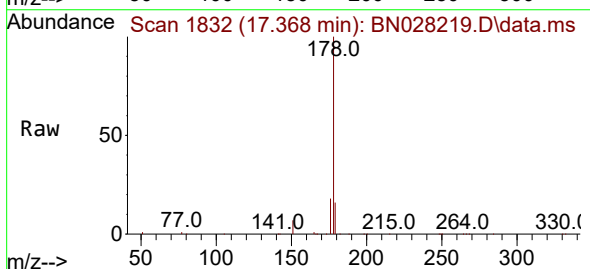
Tgt Ion:178 Resp: 1433309

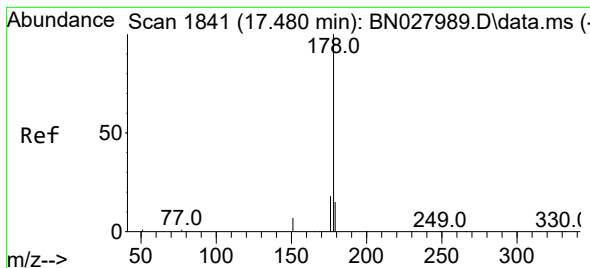
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.8 12.4 18.6





#26

Anthracene

Concen: 17.350 ng

RT: 17.455 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BNA_N

ClientSampleId :

D-1(0-5)

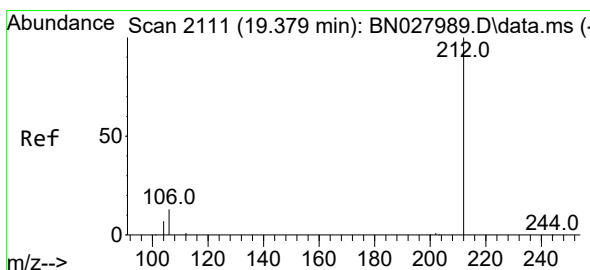
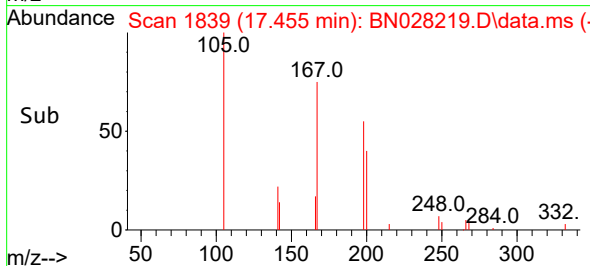
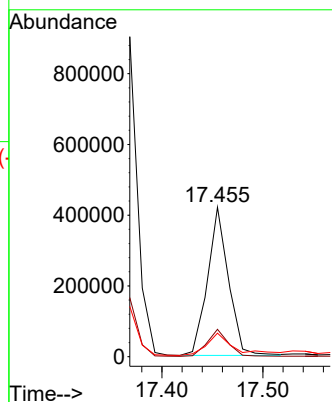
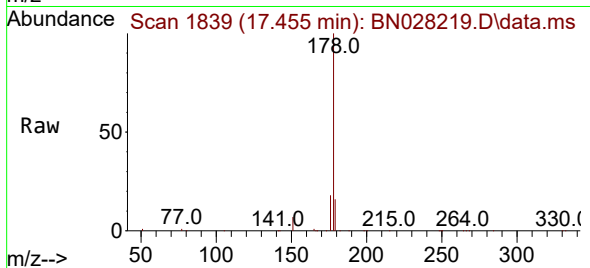
Tgt Ion:178 Resp: 604642

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 19.8 12.2 18.2#



#27

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.356 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

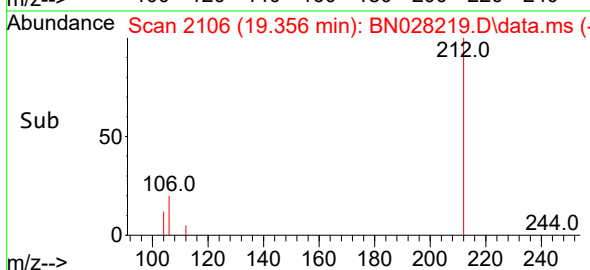
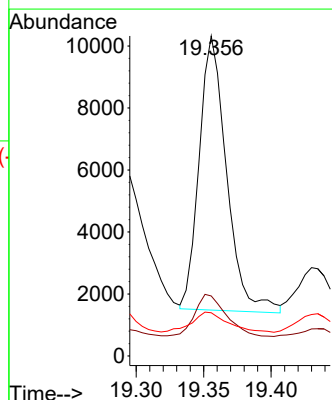
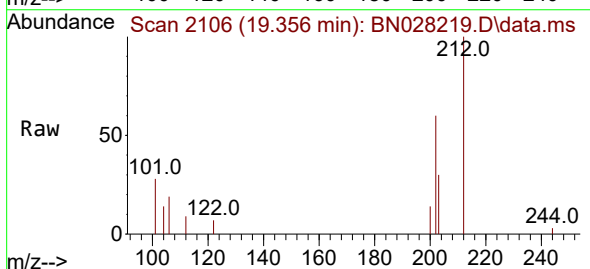
Tgt Ion:212 Resp: 12499

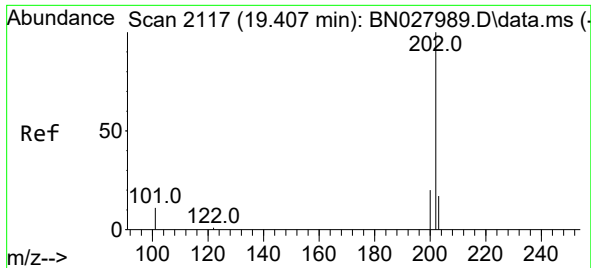
Ion Ratio Lower Upper

212 100

106 17.4 11.3 16.9#

104 9.7 6.4 9.6#

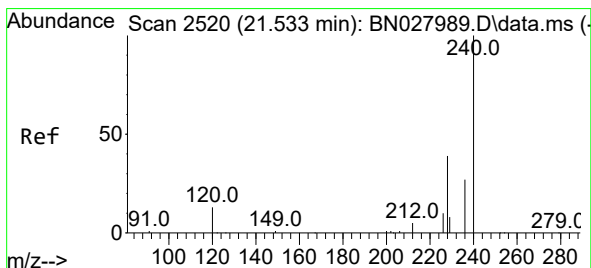
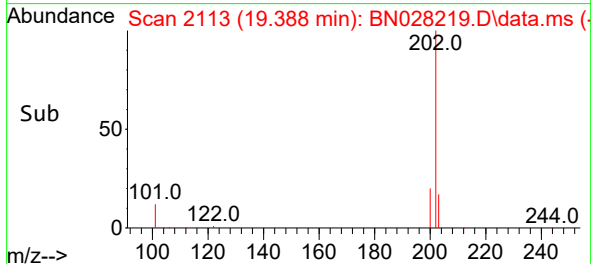
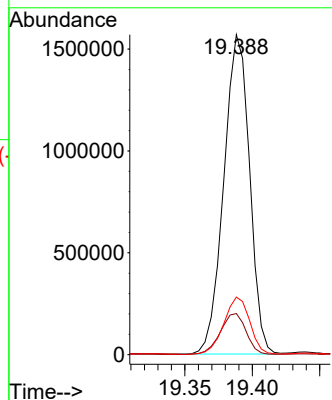
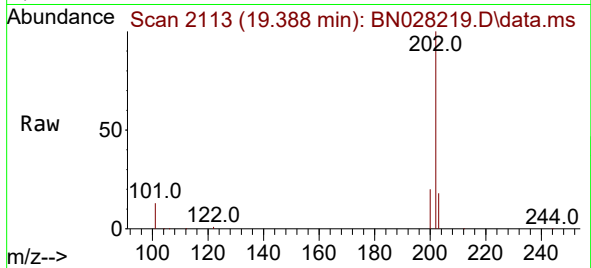




#28
Fluoranthene
Concen: 48.996 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

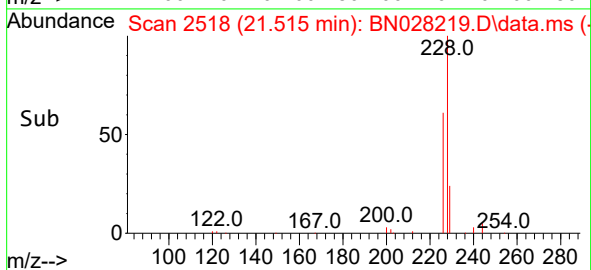
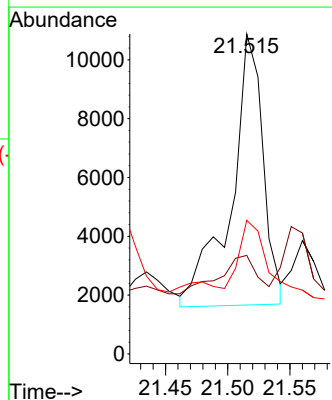
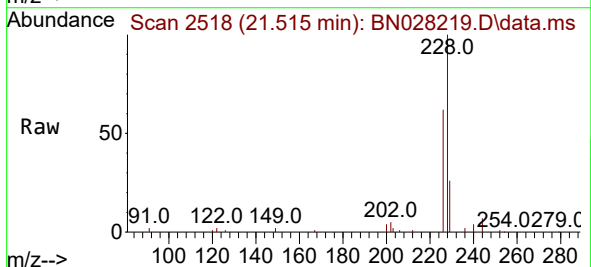
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)

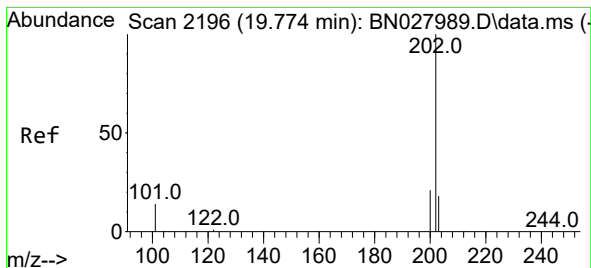
Tgt Ion:202 Resp: 2084838
Ion Ratio Lower Upper
202 100
101 12.8 9.8 14.6
203 17.9 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:240 Resp: 16552
Ion Ratio Lower Upper
240 100
120 30.8 13.8 20.6#
236 41.8 22.6 33.8#





#30

Pyrene

Concen: 40.480 ng

RT: 19.755 min Scan# 2196

Delta R.T. 0.004 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BNA_N

ClientSampleId :

D-1(0-5)

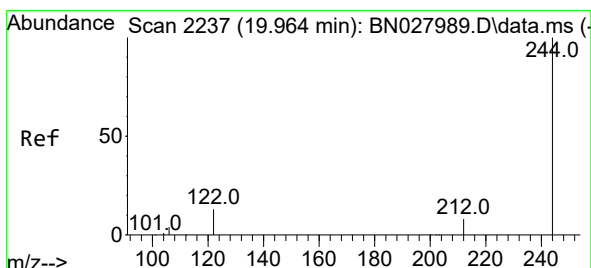
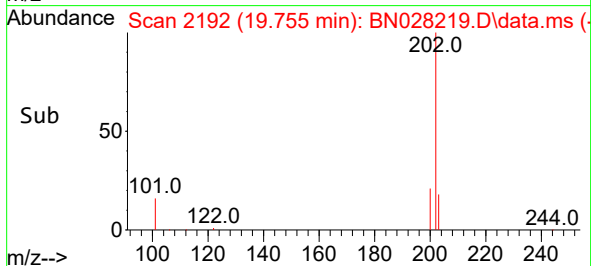
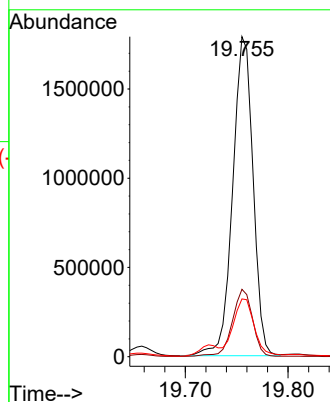
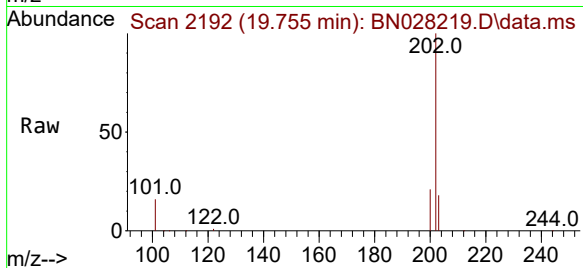
Tgt Ion:202 Resp: 2456905

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 18.5 14.7 22.1



#31

Terphenyl-d14

Concen: 0.299 ng

RT: 19.941 min Scan# 2232

Delta R.T. -0.000 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

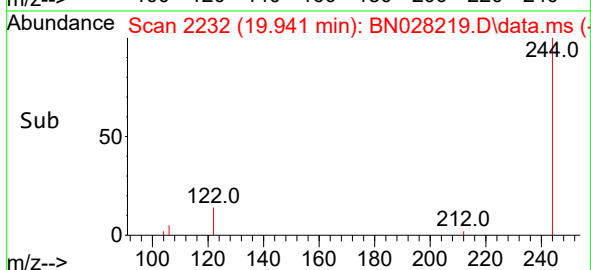
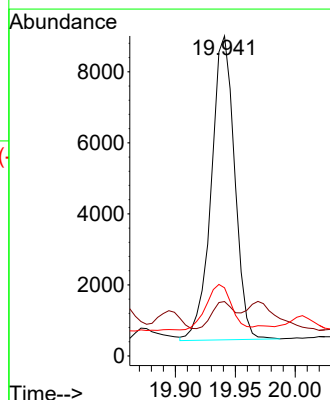
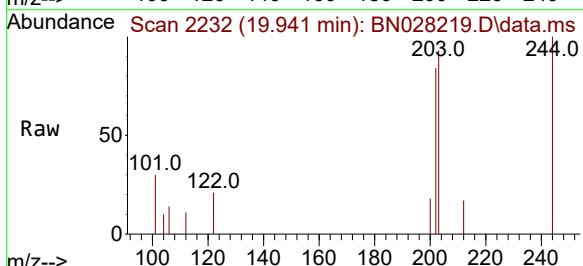
Tgt Ion:244 Resp: 11565

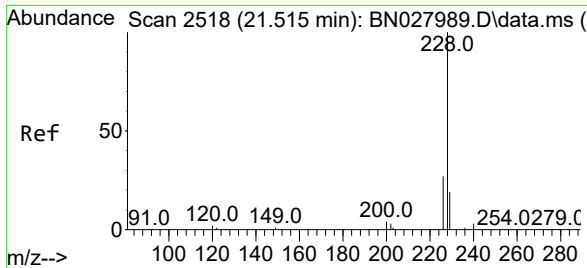
Ion Ratio Lower Upper

244 100

212 17.0 6.6 9.8#

122 21.3 11.4 17.0#

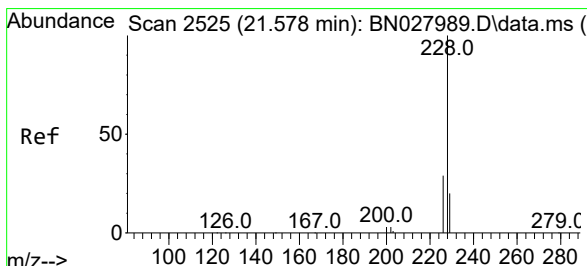
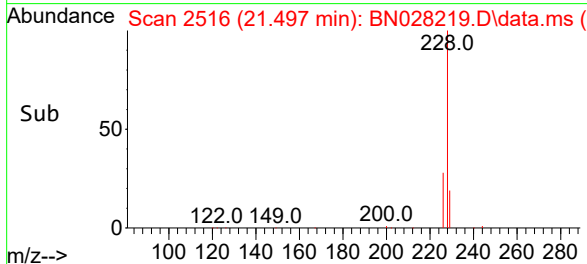
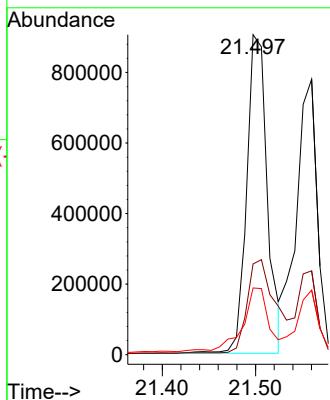
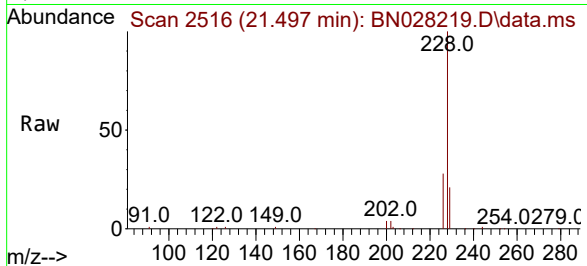




#32
Benzo(a)anthracene
Concen: 24.769 ng
RT: 21.497 min Scan# 21497
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

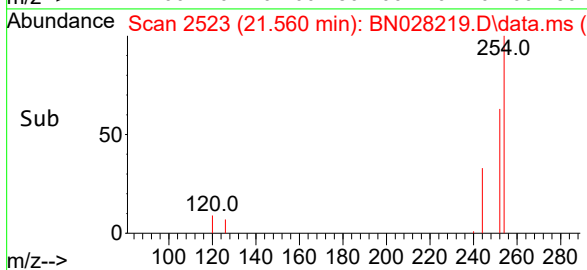
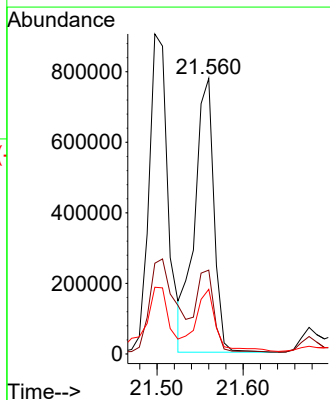
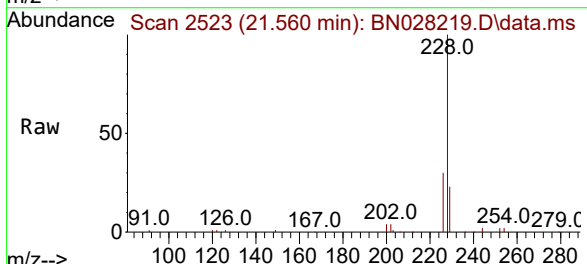
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)

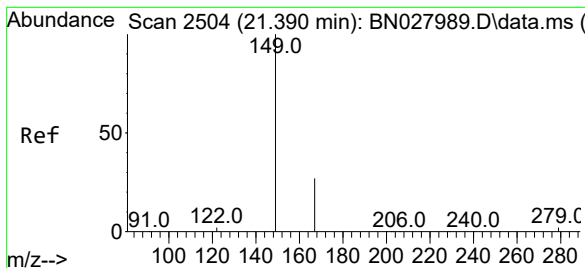
Tgt Ion:228 Resp: 1395046
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 20.9 16.0 24.0



#33
Chrysene
Concen: 22.419 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:228 Resp: 1216903
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.8
229 23.5 16.6 25.0

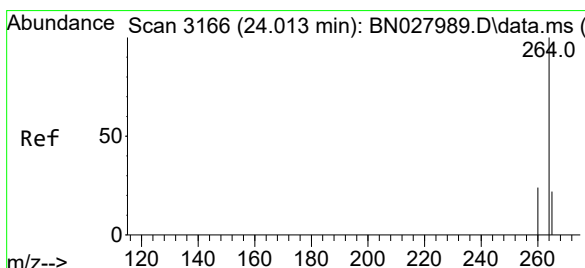
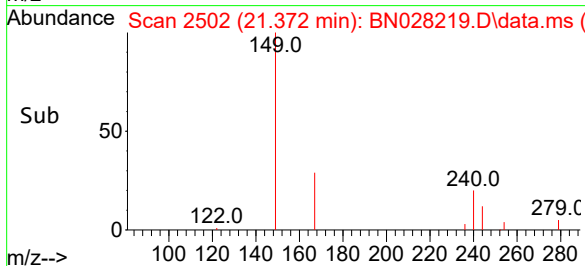
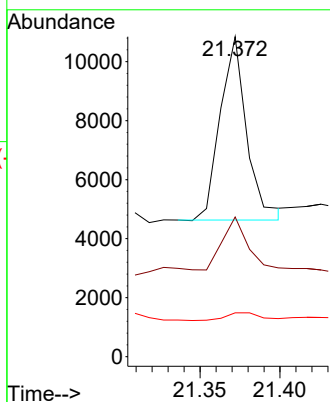
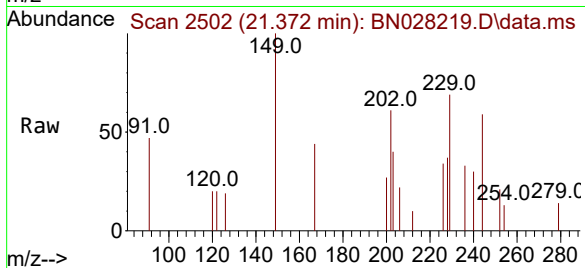




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.193 ng
 RT: 21.372 min Scan# 2157
 Delta R.T. 0.009 min
 Lab File: BN028219.D
 Acq: 11 Oct 2023 05:22

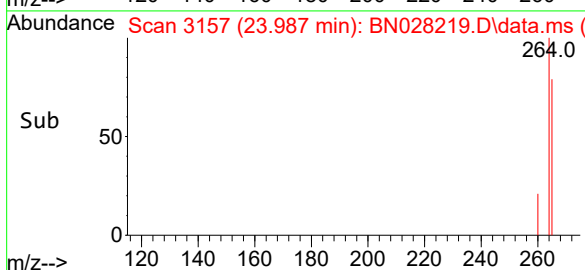
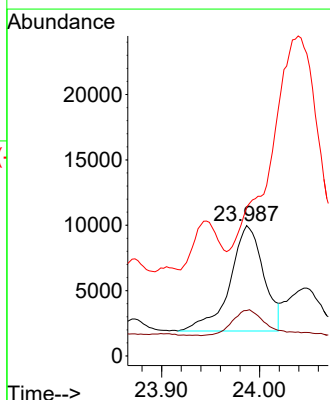
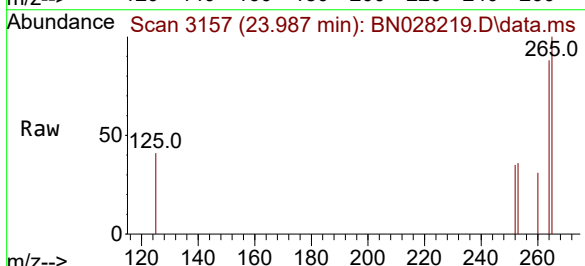
Instrument :
 BNA_N
 ClientSampleId :
 D-1(0-5)

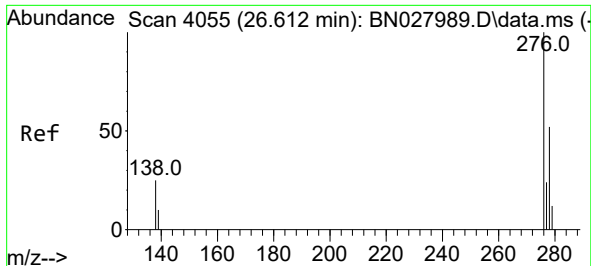
Tgt Ion:149 Resp: 7160
 Ion Ratio Lower Upper
 149 100
 167 49.2 22.1 33.1#
 279 5.7 3.4 5.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.987 min Scan# 3157
 Delta R.T. 0.012 min
 Lab File: BN028219.D
 Acq: 11 Oct 2023 05:22

Tgt Ion:264 Resp: 19317
 Ion Ratio Lower Upper
 264 100
 260 34.9 20.2 30.4#
 265 114.1 54.8 82.2#

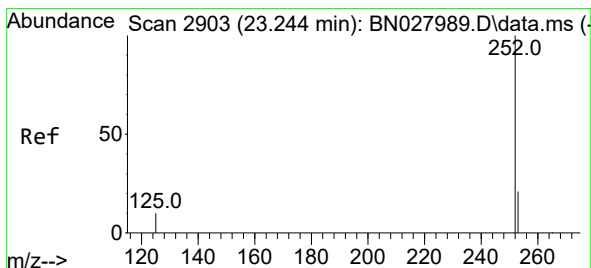
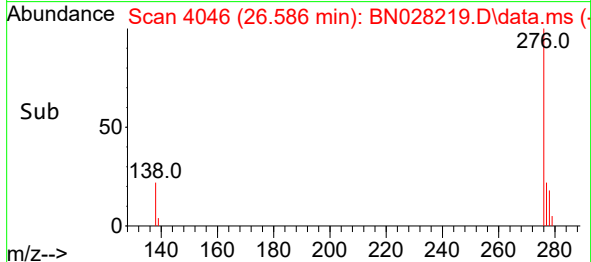
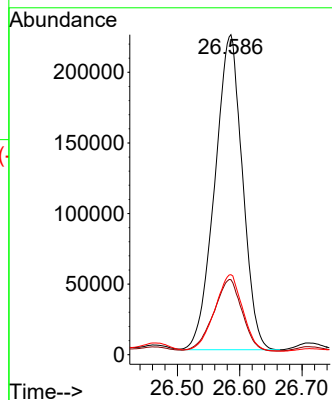
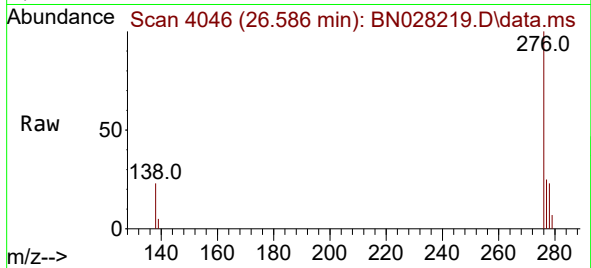




#36
Indeno(1,2,3-cd)pyrene
Concen: 10.570 ng
RT: 26.586 min Scan# 4055
Delta R.T. 0.029 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

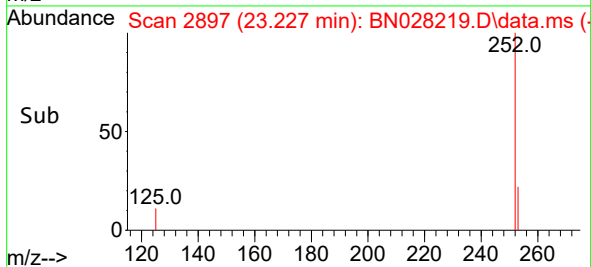
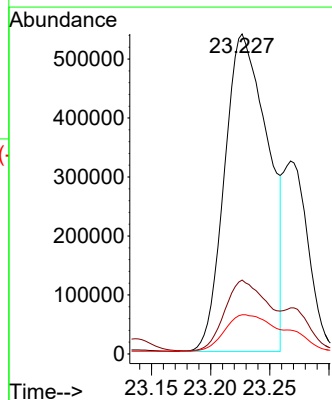
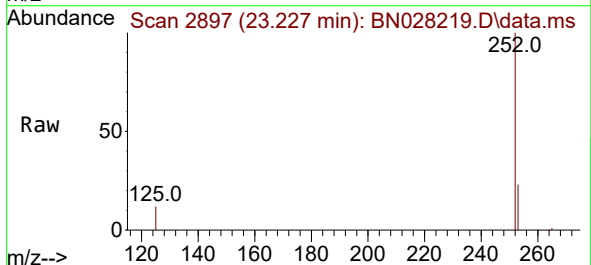
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)

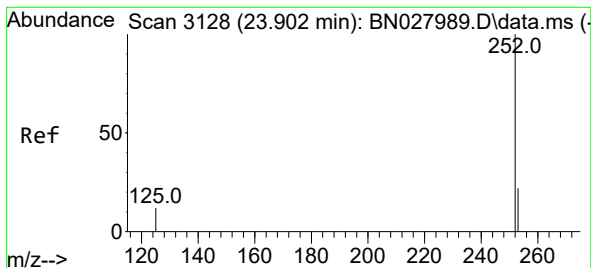
Tgt Ion:276 Resp: 686801
Ion Ratio Lower Upper
276 100
138 23.3 20.9 31.3
277 24.6 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 22.062 ng
RT: 23.227 min Scan# 2897
Delta R.T. 0.014 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:252 Resp: 1376392
Ion Ratio Lower Upper
252 100
253 23.1 22.9 34.3
125 12.2 13.8 20.8#





#39

Benzo(a)pyrene

Concen: 4.488 ng

RT: 24.039 min Scan# 31

Delta R.T. 0.175 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BN028219.D

ClientSampleId :

D-1(0-5)

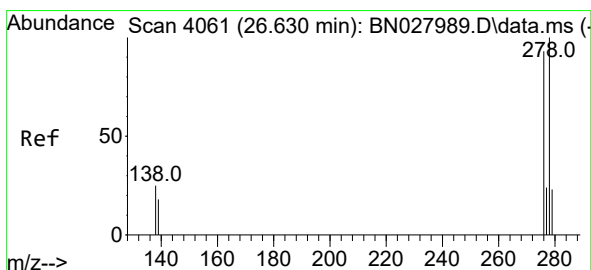
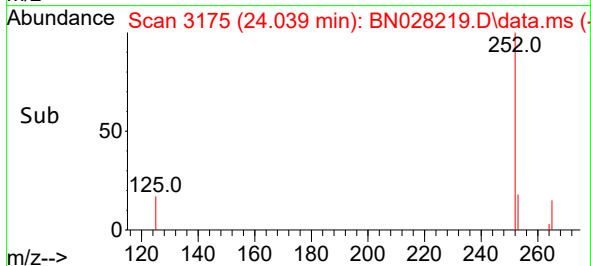
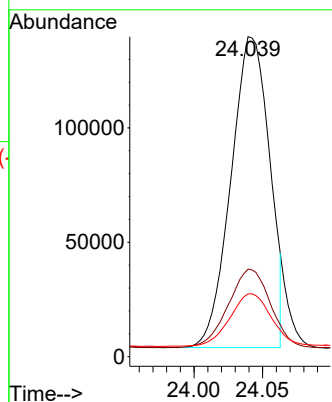
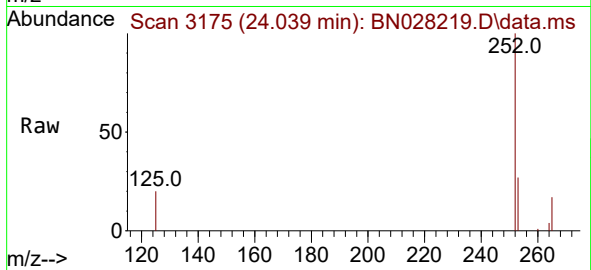
Tgt Ion:252 Resp: 264762

Ion Ratio Lower Upper

252 100

253 27.4 25.0 37.4

125 19.6 16.6 24.8



#40

Dibenzo(a,h)anthracene

Concen: 3.953 ng

RT: 26.589 min Scan# 4047

Delta R.T. 0.012 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

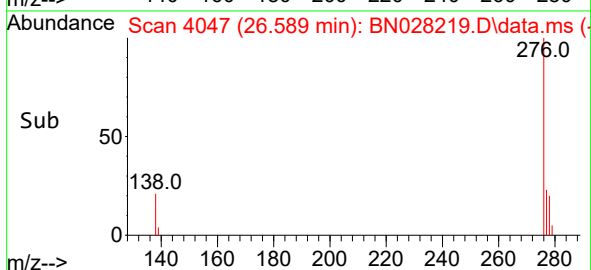
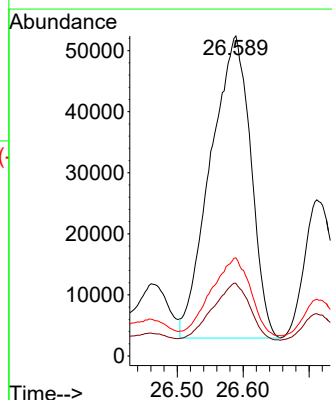
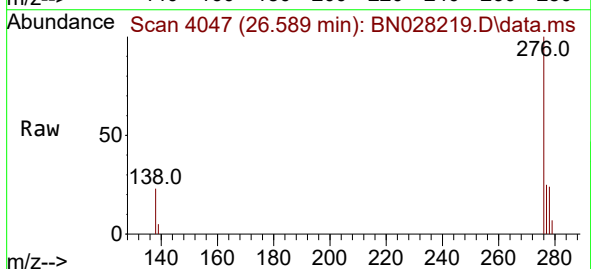
Tgt Ion:278 Resp: 210102

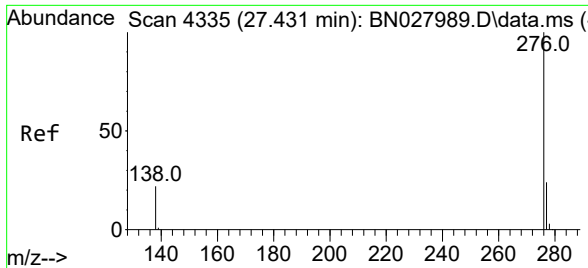
Ion Ratio Lower Upper

278 100

139 22.7 17.7 26.5

279 30.7 25.2 37.8





#41
 Benzo(g,h,i)perylene
 Concen: 12.787 ng
 RT: 27.399 min Scan# 41
 Delta R.T. 0.032 min
 Lab File: BN028219.D
 Acq: 11 Oct 2023 05:22

Instrument :
 BNA_N
 ClientSampleId :
 D-1(0-5)

Tgt Ion:276 Resp: 697622
 Ion Ratio Lower Upper
 276 100
 277 25.0 22.1 33.1
 138 24.0 20.8 31.2

