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 Data File : BN028235.D
 Acq On : 11 Oct 2023 16:37
 Operator : MA/JU
 Sample : 04793-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20231005

Quant Time: Oct 12 04:04:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 04:03:12 2023
 Response via : Initial Calibration

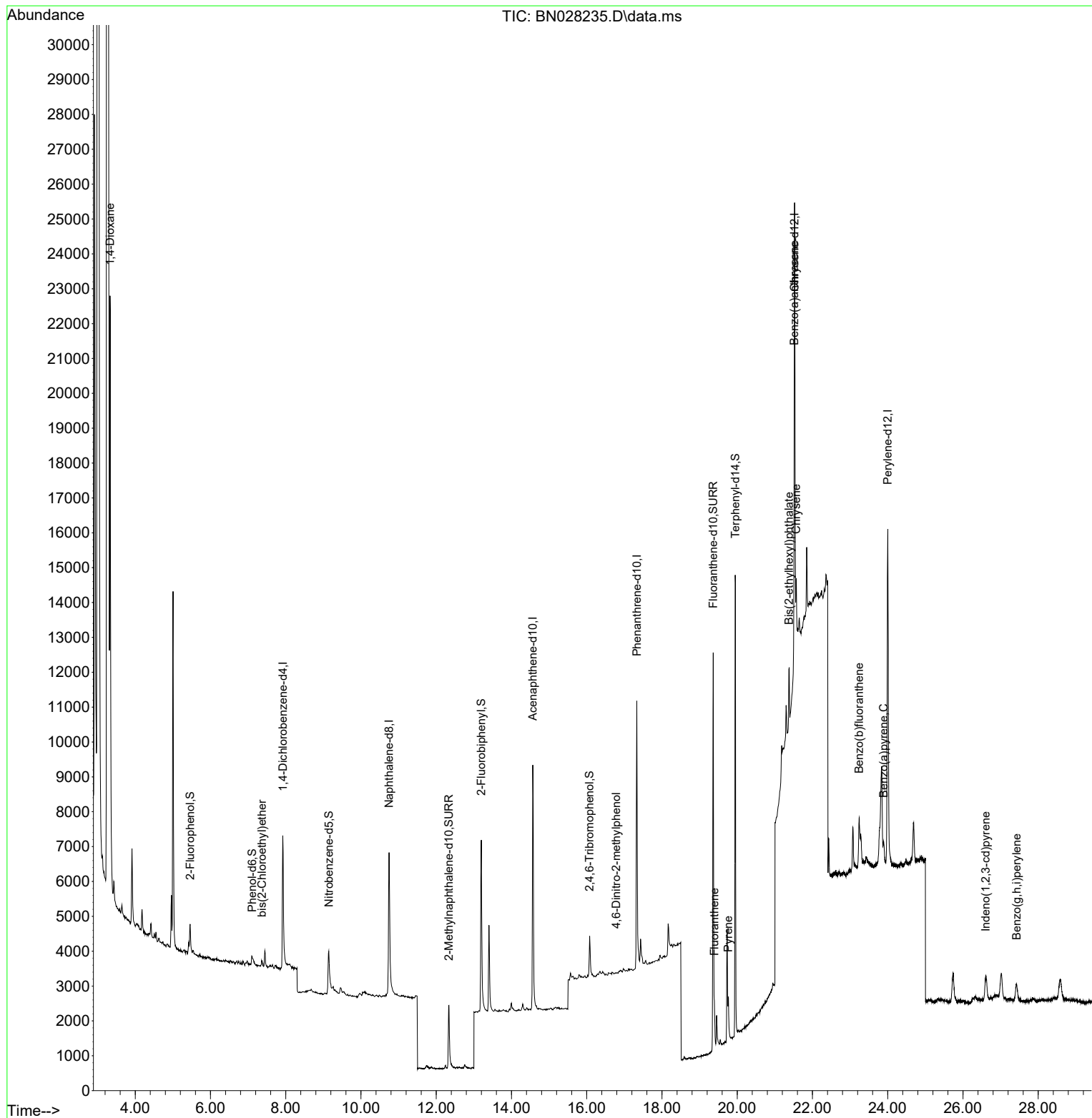
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	2385	0.400	ng	0.00
7) Naphthalene-d8	10.746	136	7828	0.400	ng	# 0.01
13) Acenaphthene-d10	14.566	164	5004	0.400	ng	0.00
19) Phenanthrene-d10	17.331	188	11546	0.400	ng	0.01
29) Chrysene-d12	21.524	240	12912	0.400	ng	0.00
35) Perylene-d12	24.001	264	14336	0.400	ng	0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.459	112	865	0.122	ng	0.00
5) Phenol-d6	7.105	99	543	0.060	ng	0.01
8) Nitrobenzene-d5	9.144	82	1938	0.291	ng	0.02
11) 2-Methylnaphthalene-d10	12.332	152	3679	0.317	ng	0.00
14) 2,4,6-Tribromophenol	16.077	330	838	0.366	ng	0.00
15) 2-Fluorobiphenyl	13.197	172	5723	0.317	ng	0.01
27) Fluoranthene-d10	19.360	212	13231	0.456	ng	0.00
31) Terphenyl-d14	19.950	244	13631	0.453	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.335	88	11939	4.462	ng	99
6) bis(2-Chloroethyl)ether	7.365	93	207	0.029	ng	95
20) 4,6-Dinitro-2-methylph...	16.785	198	5	0.033	ng	# 1
28) Fluoranthene	19.393	202	1376	0.038	ng	# 92
30) Pyrene	19.760	202	1420	0.030	ng	97
32) Benzo(a)anthracene	21.515	228	1635	0.037	ng	# 41
33) Chrysene	21.569	228	1902	0.045	ng	# 55
34) Bis(2-ethylhexyl)phtha...	21.372	149	2010	0.070	ng	95
36) Indeno(1,2,3-cd)pyrene	26.603	276	1224	0.025	ng	# 67
37) Benzo(b)fluoranthene	23.238	252	2600	0.056	ng	# 1
39) Benzo(a)pyrene	23.893	252	961	0.022	ng	# 1
41) Benzo(g,h,i)perylene	27.428	276	1221	0.030	ng	# 3

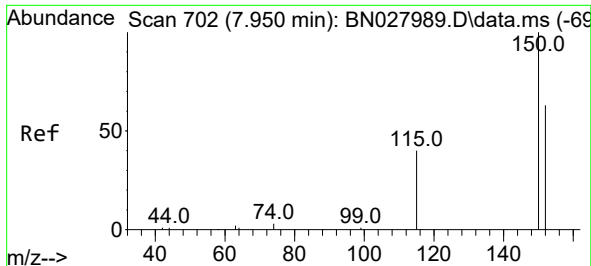
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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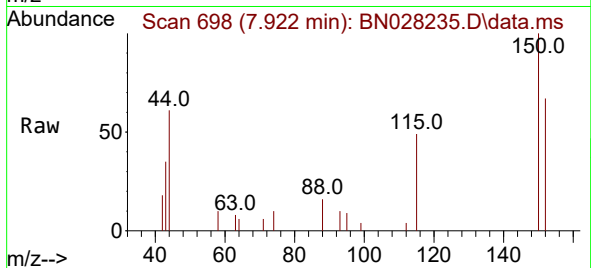
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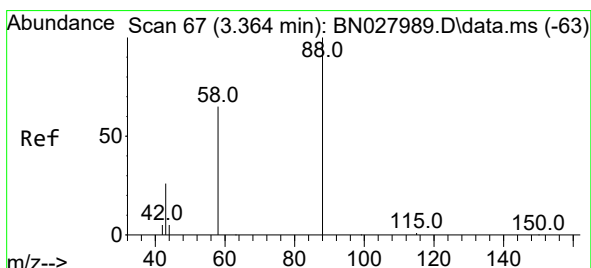
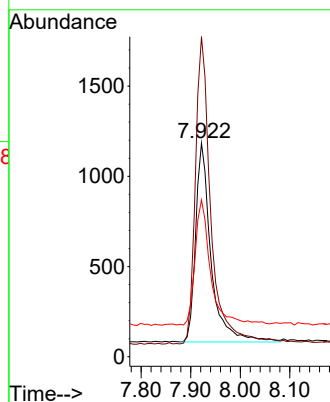
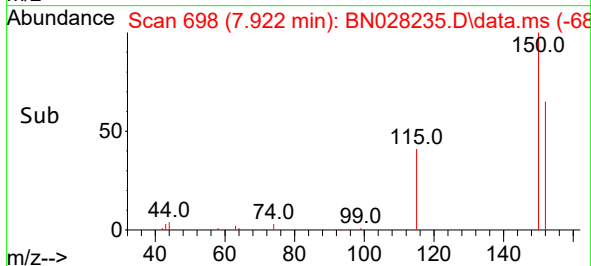


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

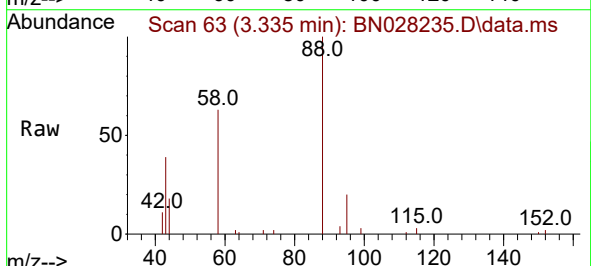
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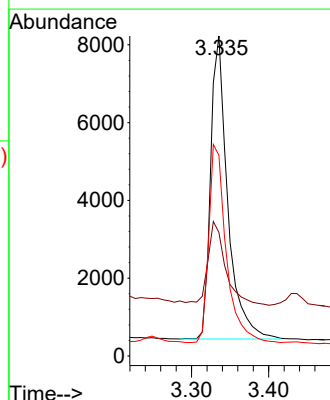
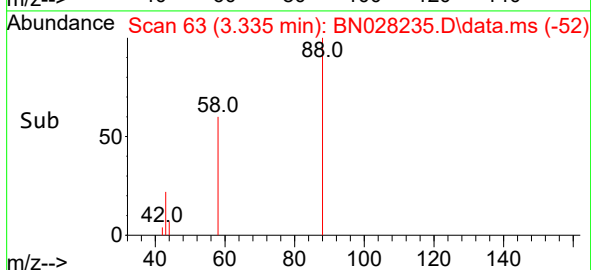
Tgt Ion:152 Resp: 2385
Ion Ratio Lower Upper
152 100
150 149.8 125.6 188.4
115 73.4 54.8 82.2

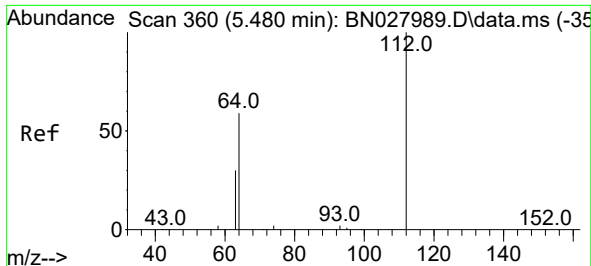


#2
1,4-Dioxane
Concen: 4.462 ng
RT: 3.335 min Scan# 63
Delta R.T. -0.022 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37



Tgt Ion: 88 Resp: 11939
Ion Ratio Lower Upper
88 100
43 28.9 24.6 36.8
58 66.8 53.8 80.6

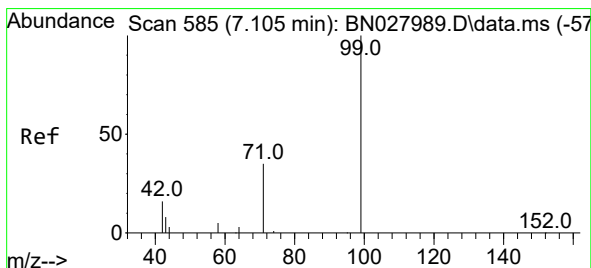
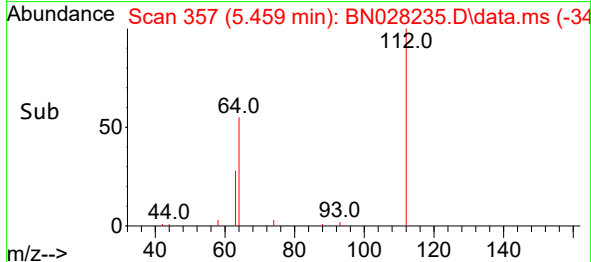
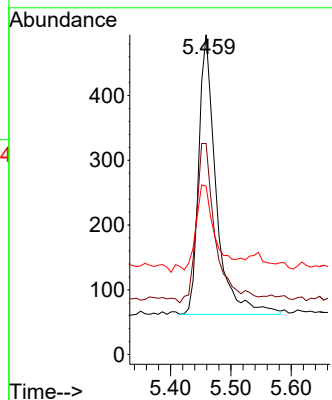
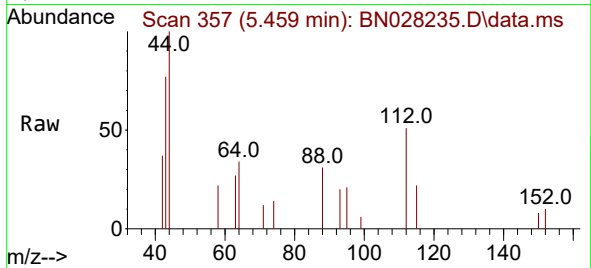




#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.459 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

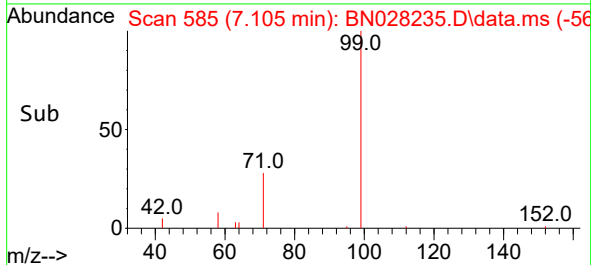
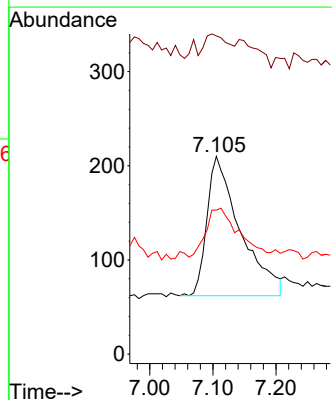
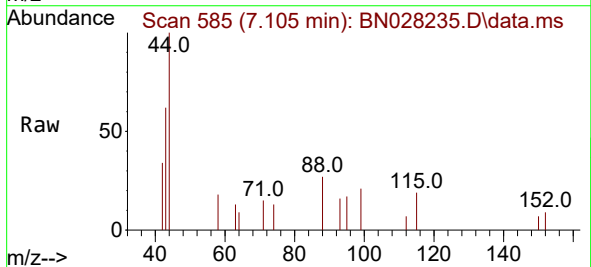
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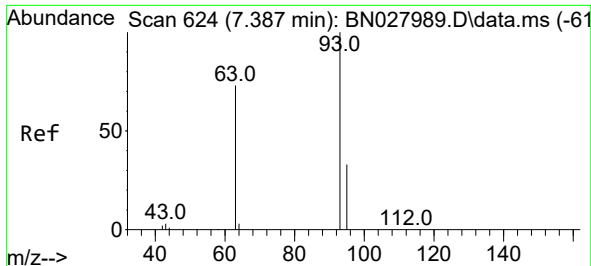
Tgt Ion:112 Resp: 865
Ion Ratio Lower Upper
112 100
64 63.1 45.0 67.6
63 35.1 23.4 35.0#



#5
Phenol-d6
Concen: 0.060 ng
RT: 7.105 min Scan# 585
Delta R.T. 0.014 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion: 99 Resp: 543
Ion Ratio Lower Upper
99 100
42 10.1 14.6 22.0#
71 35.0 28.3 42.5

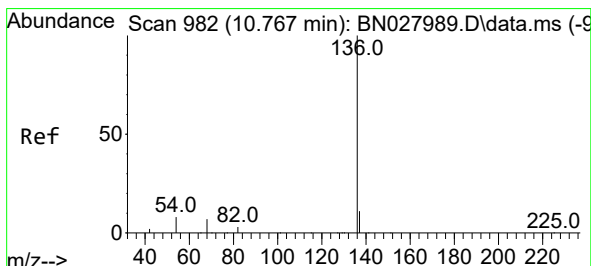
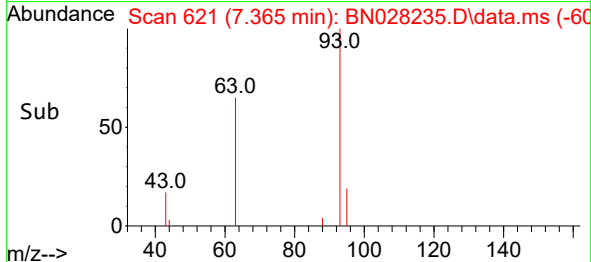
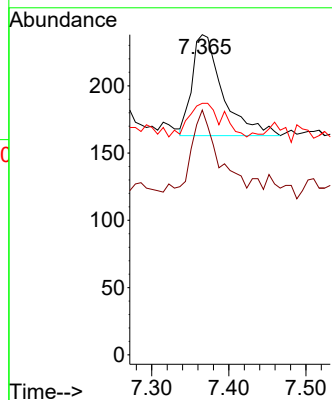
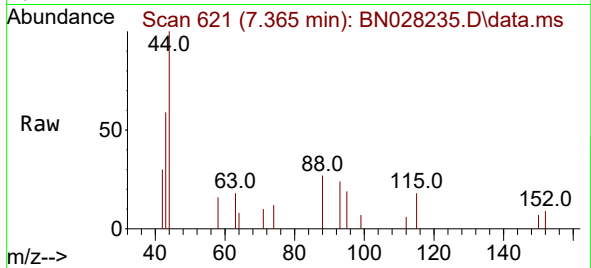




#6
bis(2-Chloroethyl)ether
Concen: 0.029 ng
RT: 7.365 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

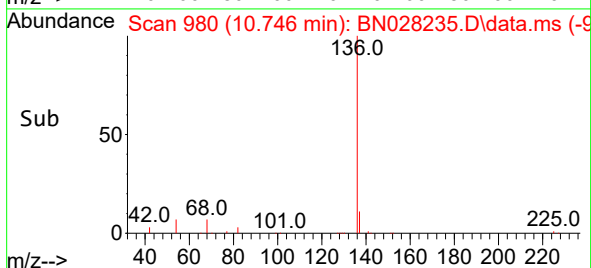
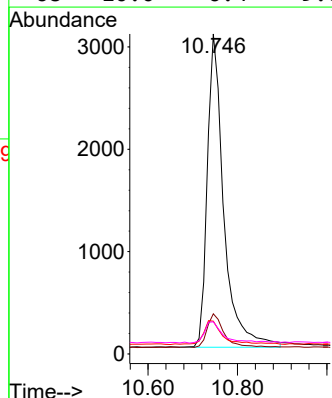
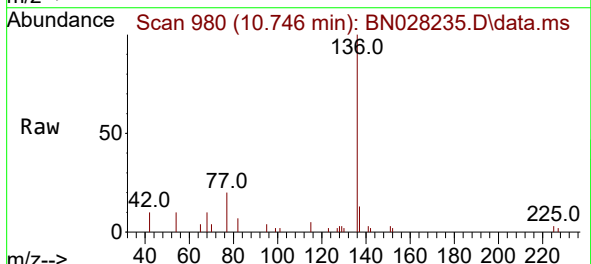
Instrument :
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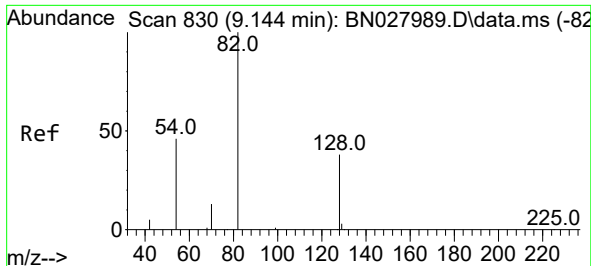
Tgt Ion: 93 Resp: 207
Ion Ratio Lower Upper
93 100
63 69.6 58.8 88.2
95 36.2 26.6 39.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.746 min Scan# 980
Delta R.T. 0.011 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion: 136 Resp: 7828
Ion Ratio Lower Upper
136 100
137 12.5 9.4 14.0
54 10.3 7.0 10.6
68 10.0 6.4 9.6#

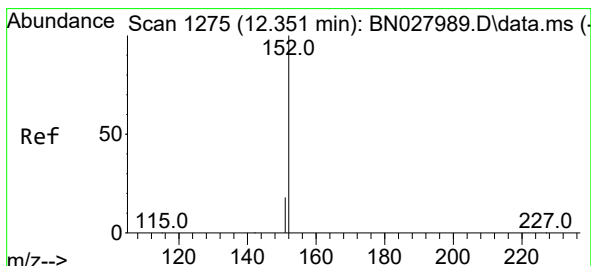
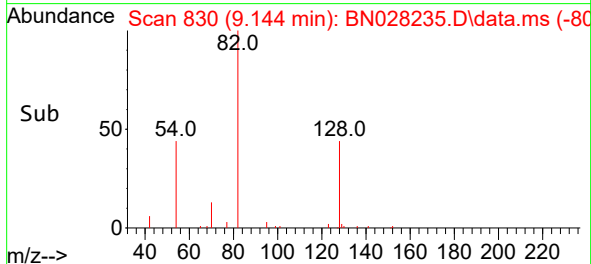
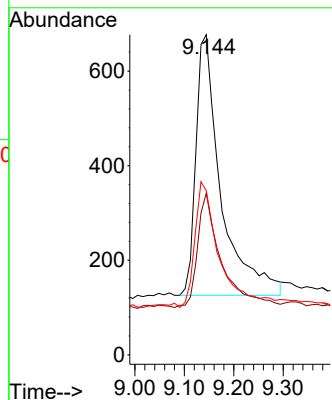
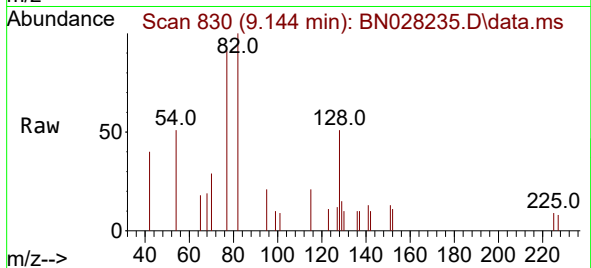




#8
Nitrobenzene-d5
Concen: 0.291 ng
RT: 9.144 min Scan# 81
Delta R.T. 0.021 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

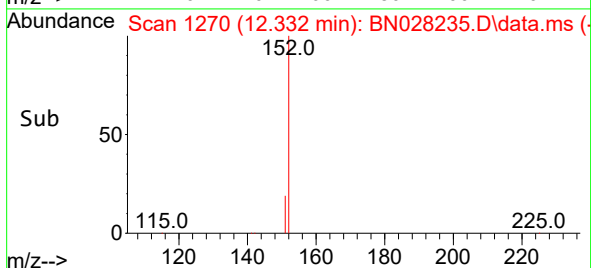
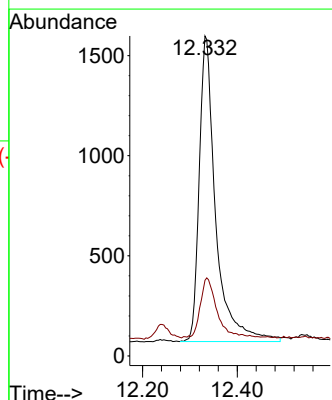
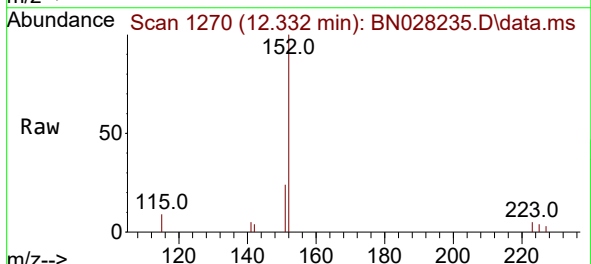
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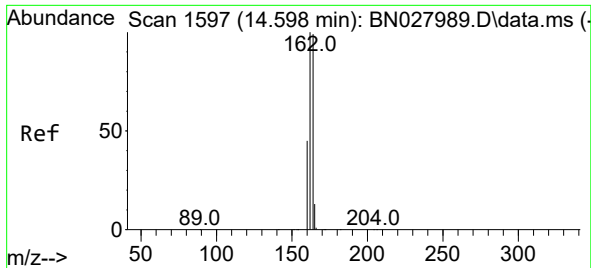
Tgt Ion: 82 Resp: 1938
Ion Ratio Lower Upper
82 100
128 50.5 32.7 49.1#
54 51.3 38.7 58.1



#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.332 min Scan# 1270
Delta R.T. 0.007 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion: 152 Resp: 3679
Ion Ratio Lower Upper
152 100
151 20.6 16.5 24.7

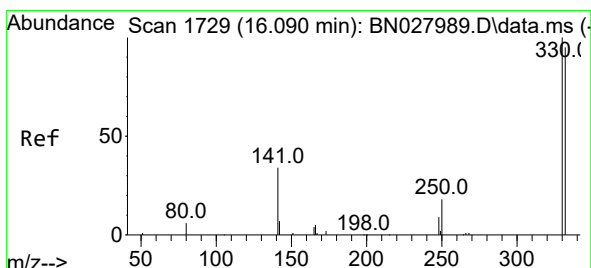
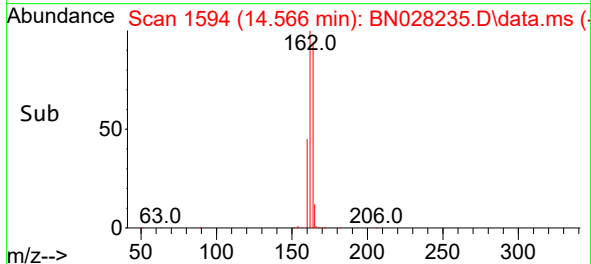
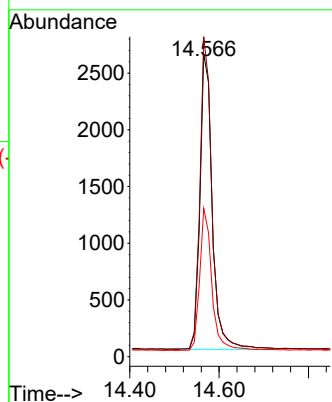
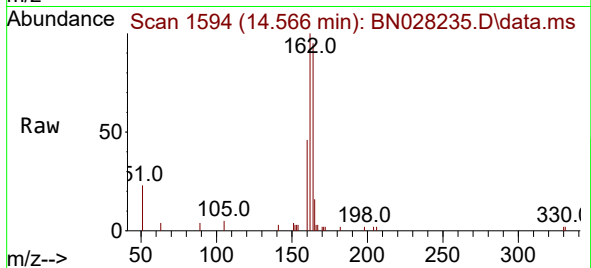




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

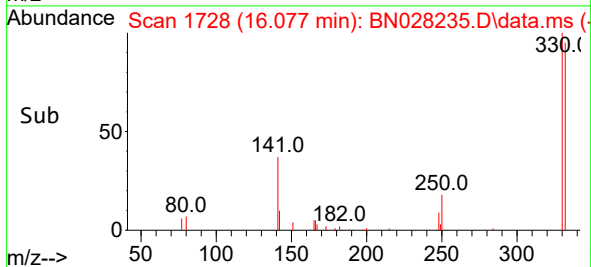
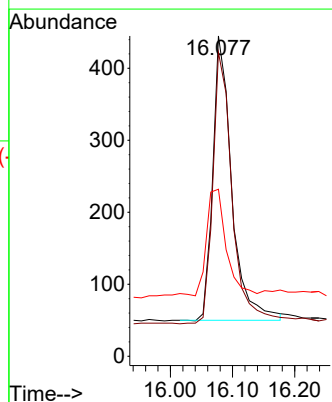
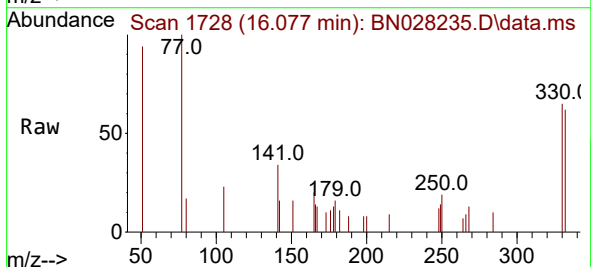
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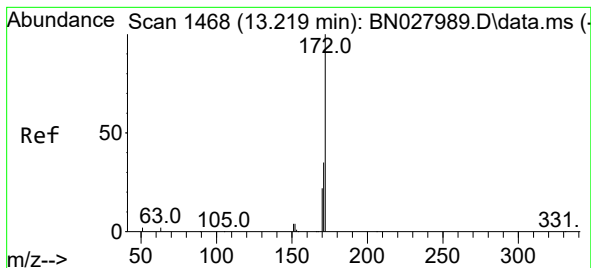
Tgt Ion:164 Resp: 5004
Ion Ratio Lower Upper
164 100
162 105.7 80.8 121.2
160 49.0 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 16.077 min Scan# 1728
Delta R.T. -0.000 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion:330 Resp: 838
Ion Ratio Lower Upper
330 100
332 97.7 78.1 117.1
141 38.3 33.4 50.2

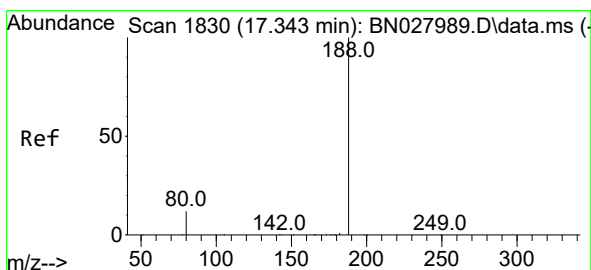
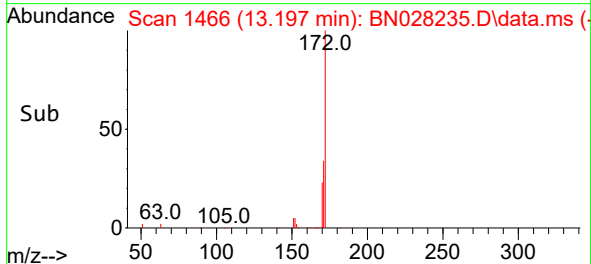
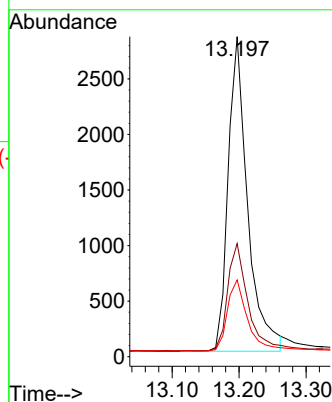
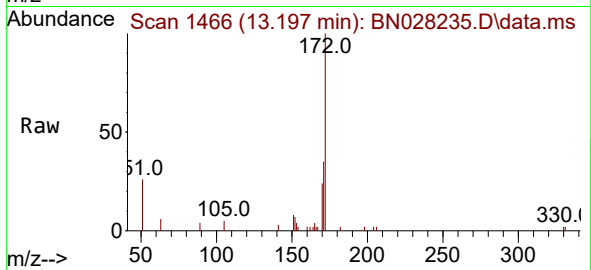




#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 13.197 min Scan# 1466
Delta R.T. 0.011 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

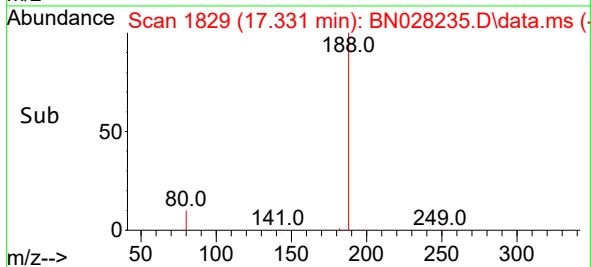
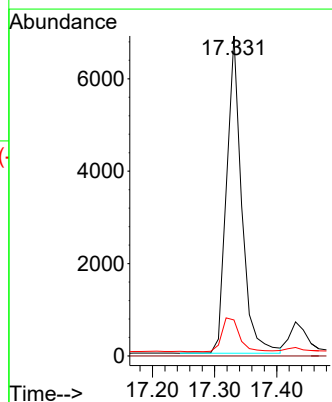
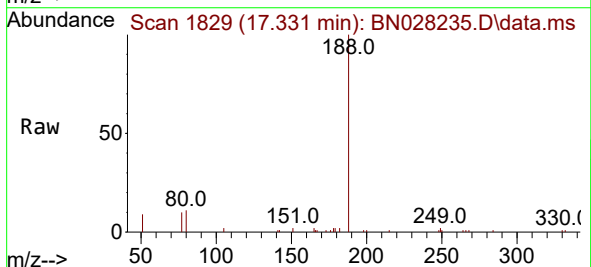
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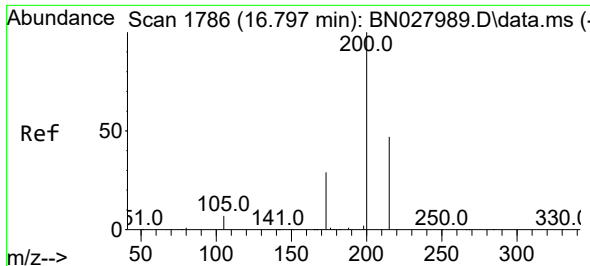
Tgt Ion:172 Resp: 5723
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 24.0 18.4 27.6



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.331 min Scan# 1829
Delta R.T. 0.012 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion:188 Resp: 11546
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.2 10.2 15.4

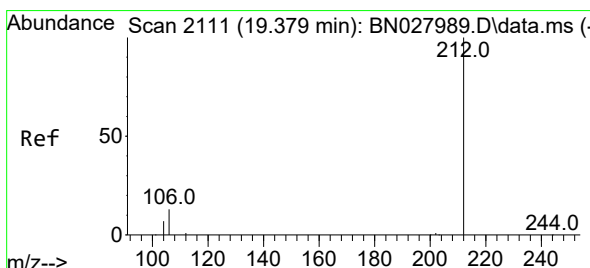
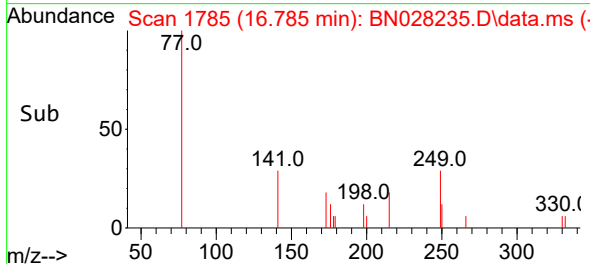
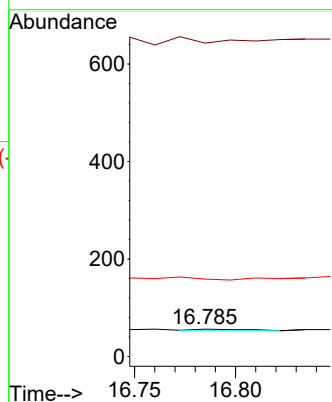
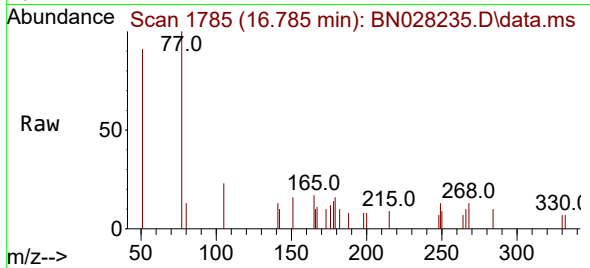




#20
4,6-Dinitro-2-methylphenol
Concen: 0.033 ng
RT: 16.785 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

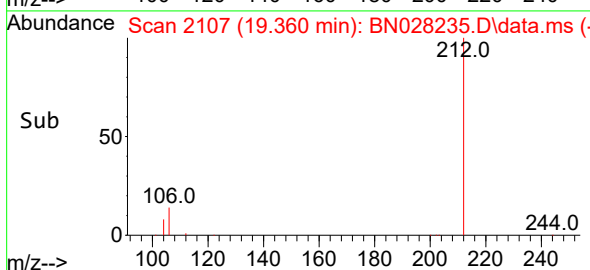
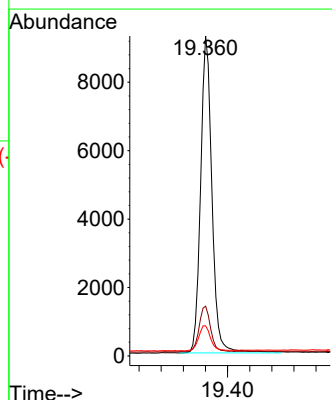
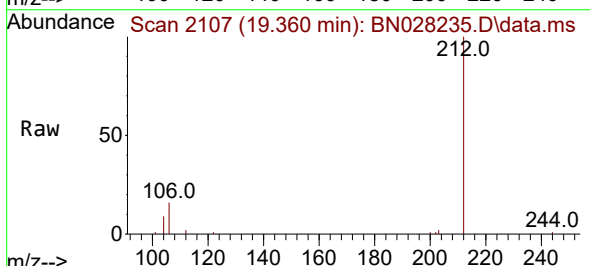
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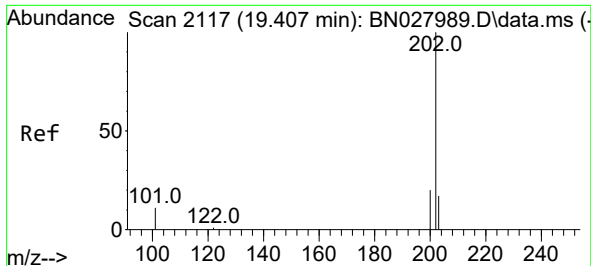
Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
51 1148.2 180.7 271.1#
105 283.9 222.2 333.2



#27
Fluoranthene-d10
Concen: 0.456 ng
RT: 19.360 min Scan# 2107
Delta R.T. 0.005 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion:212 Resp: 13231
Ion Ratio Lower Upper
212 100
106 14.5 11.3 16.9
104 8.2 6.4 9.6

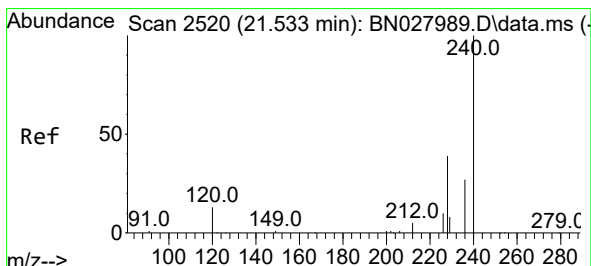
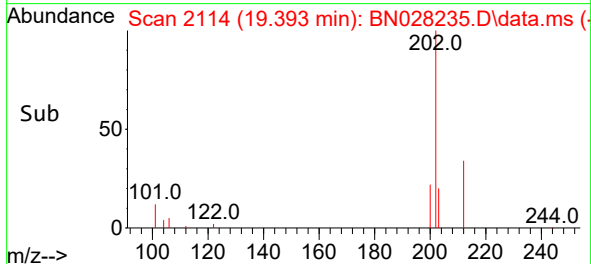
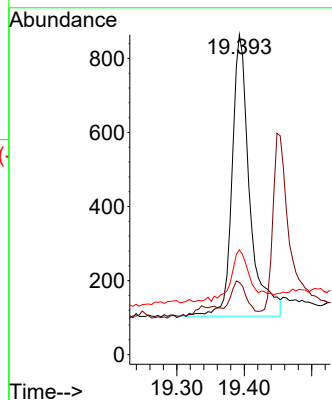
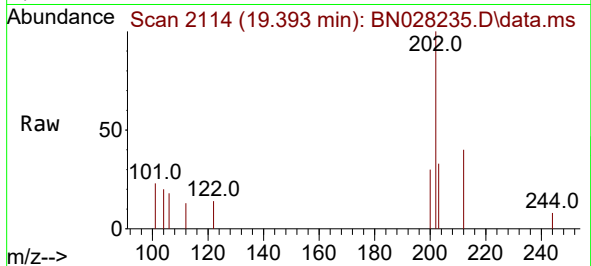




#28
Fluoranthene
Concen: 0.038 ng
RT: 19.393 min Scan# 2114
Delta R.T. 0.009 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

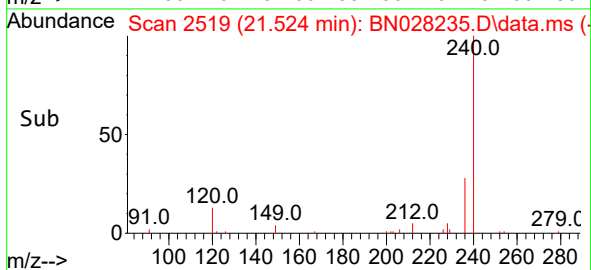
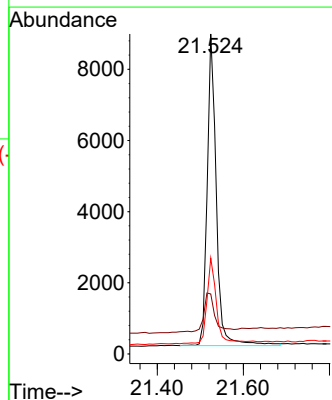
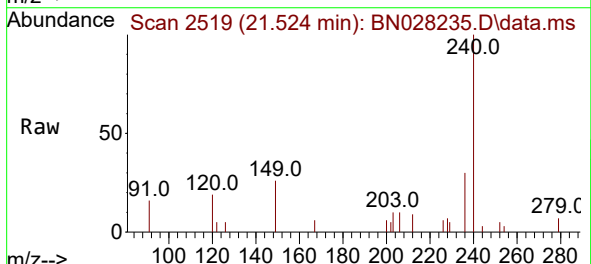
Instrument :
BNA_N
ClientSampleId :
SP-100-20231005

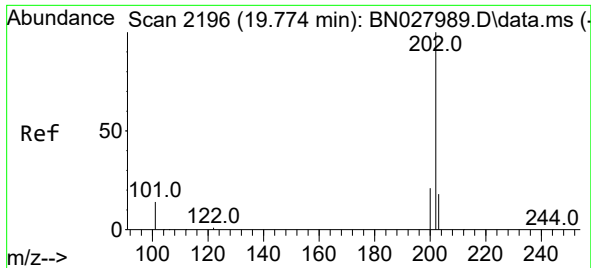
Tgt Ion:202 Resp: 1376
Ion Ratio Lower Upper
202 100
101 9.2 9.8 14.6#
203 20.5 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.524 min Scan# 2519
Delta R.T. 0.009 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion:240 Resp: 12912
Ion Ratio Lower Upper
240 100
120 18.8 13.8 20.6
236 29.9 22.6 33.8

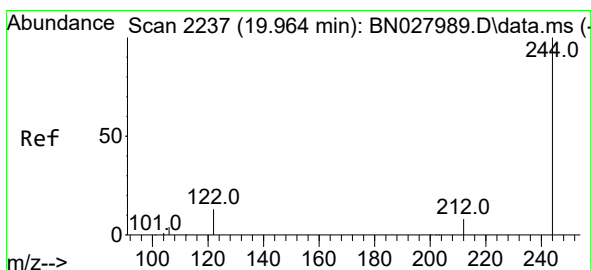
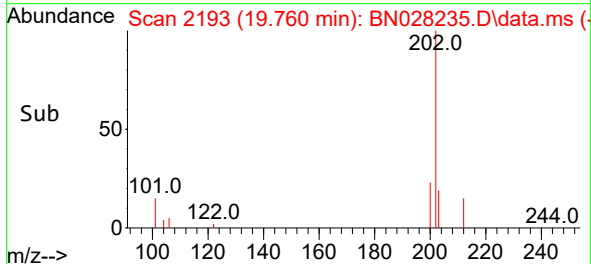
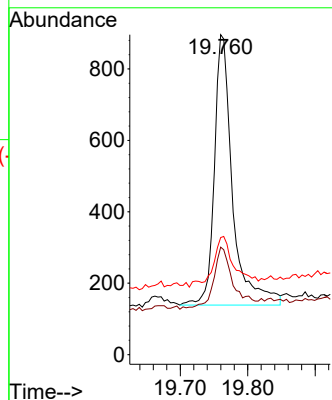
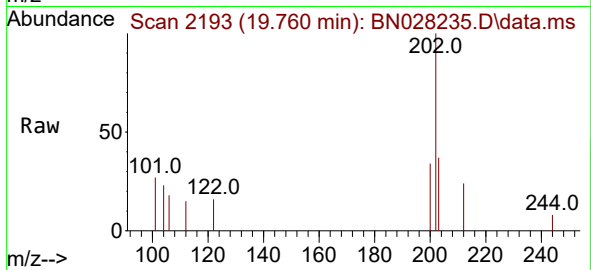




#30
 Pyrene
 Concen: 0.030 ng
 RT: 19.760 min Scan# 2196
 Delta R.T. 0.009 min
 Lab File: BN028235.D
 Acq: 11 Oct 2023 16:37

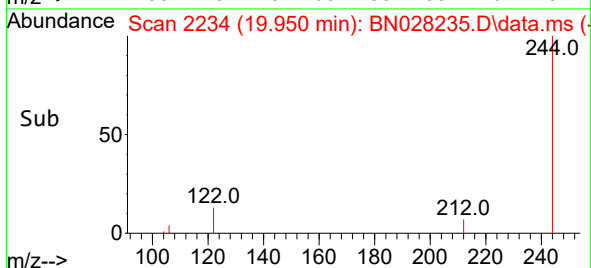
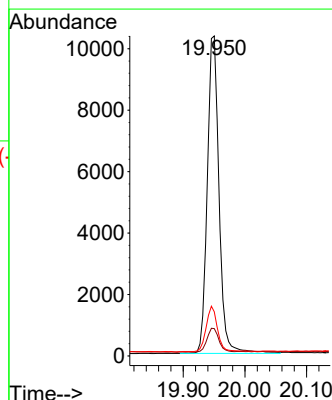
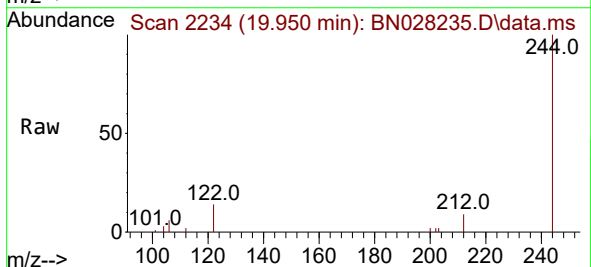
Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20231005

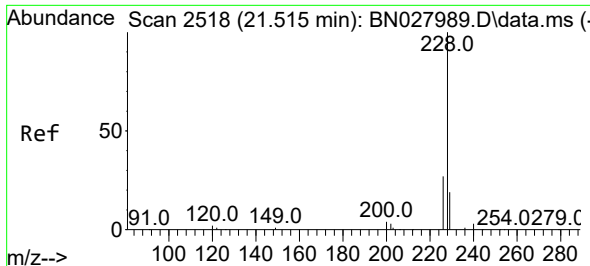
Tgt Ion:202 Resp: 1420
 Ion Ratio Lower Upper
 202 100
 200 22.6 16.5 24.7
 203 17.7 14.7 22.1



#31
 Terphenyl-d14
 Concen: 0.453 ng
 RT: 19.950 min Scan# 2234
 Delta R.T. 0.009 min
 Lab File: BN028235.D
 Acq: 11 Oct 2023 16:37

Tgt Ion:244 Resp: 13631
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.6 9.8
 122 13.8 11.4 17.0

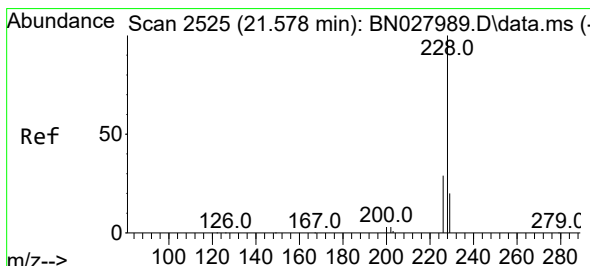
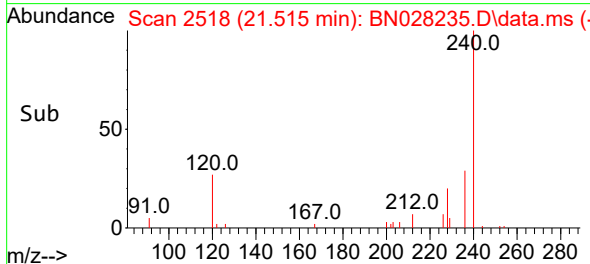
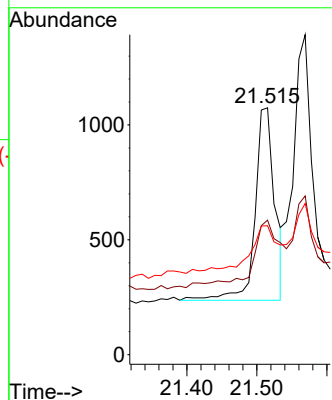
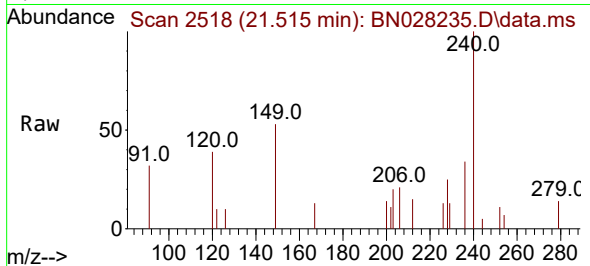




#32
Benzo(a)anthracene
Concen: 0.037 ng
RT: 21.515 min Scan# 2151
Delta R.T. 0.018 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

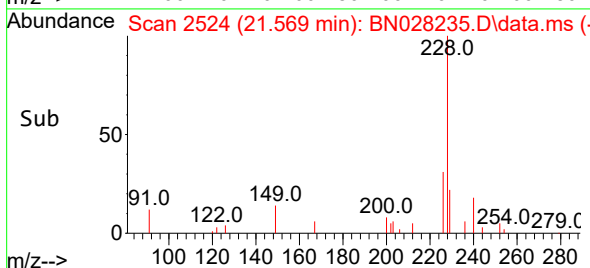
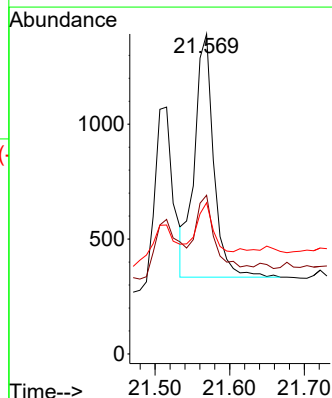
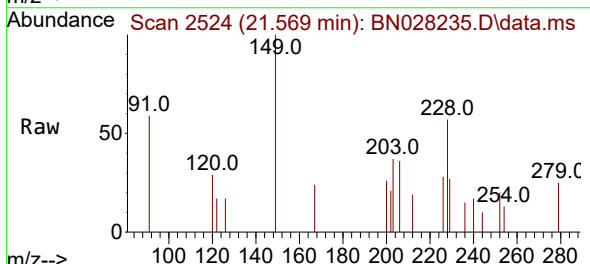
Instrument :
BNA_N
ClientSampleId :
SP-100-20231005

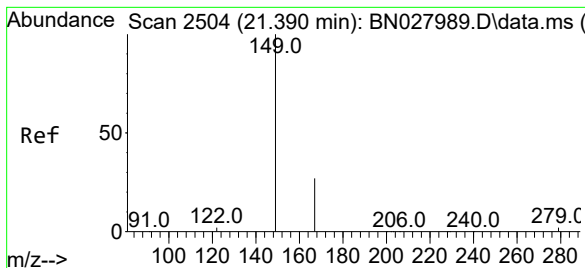
Tgt Ion:228 Resp: 1635
Ion Ratio Lower Upper
228 100
226 54.5 22.0 33.0#
229 52.2 16.0 24.0#



#33
Chrysene
Concen: 0.045 ng
RT: 21.569 min Scan# 2524
Delta R.T. 0.018 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion:228 Resp: 1902
Ion Ratio Lower Upper
228 100
226 49.6 23.8 35.8#
229 47.2 16.6 25.0#

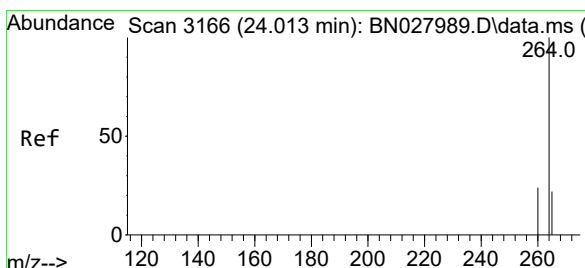
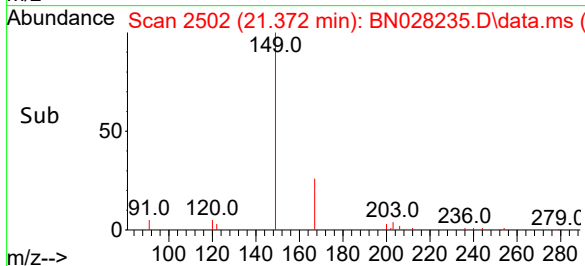
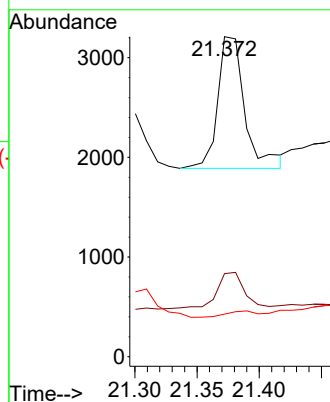
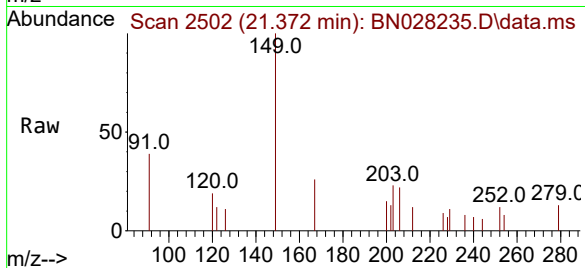




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.070 ng
 RT: 21.372 min Scan# 2137
 Delta R.T. 0.009 min
 Lab File: BN028235.D
 Acq: 11 Oct 2023 16:37

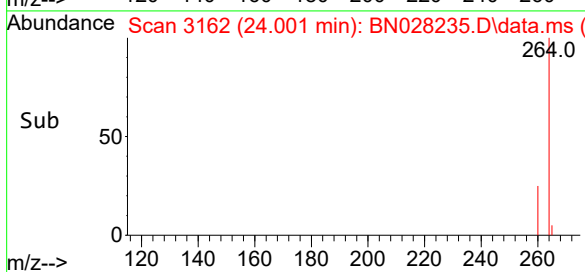
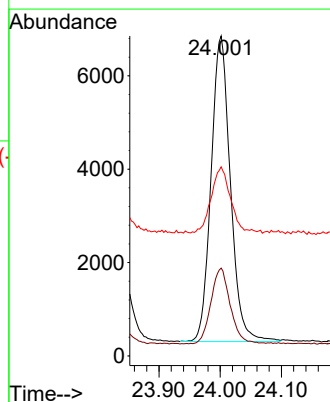
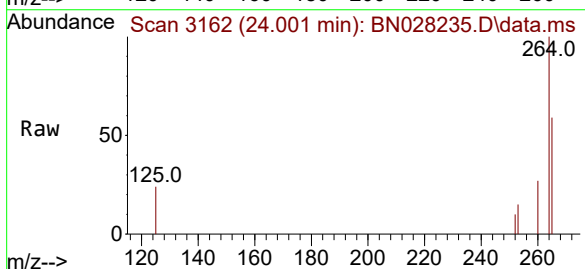
Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20231005

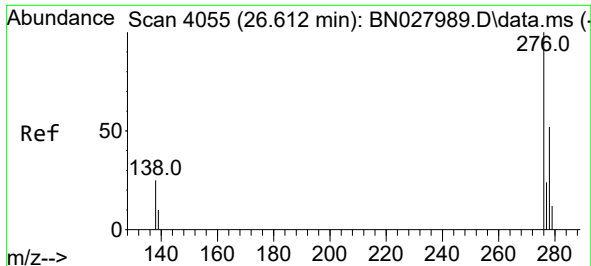
Tgt Ion:149 Resp: 2010
 Ion Ratio Lower Upper
 149 100
 167 30.1 22.1 33.1
 279 5.0 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.001 min Scan# 3162
 Delta R.T. 0.026 min
 Lab File: BN028235.D
 Acq: 11 Oct 2023 16:37

Tgt Ion:264 Resp: 14336
 Ion Ratio Lower Upper
 264 100
 260 27.4 20.2 30.4
 265 59.1 54.8 82.2

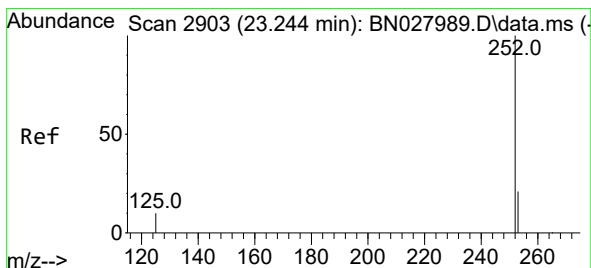
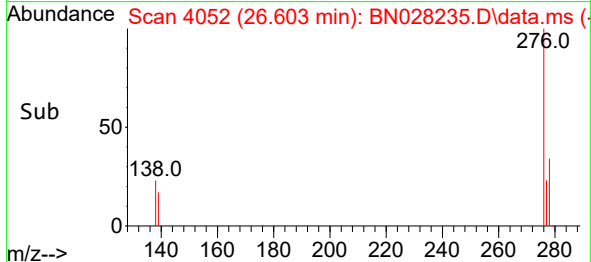
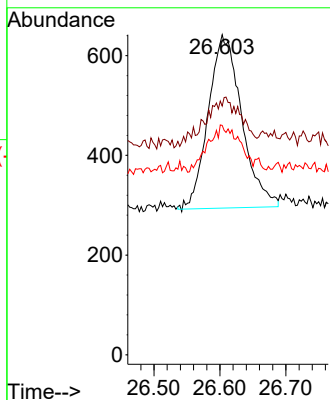
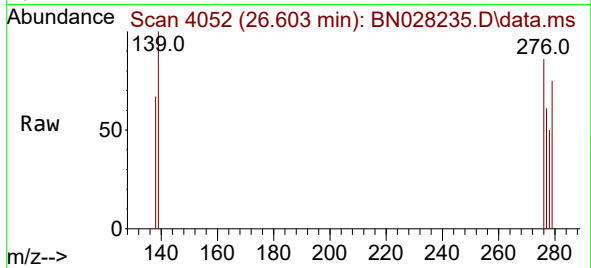




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.025 ng
RT: 26.603 min Scan# 4055
Delta R.T. 0.047 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

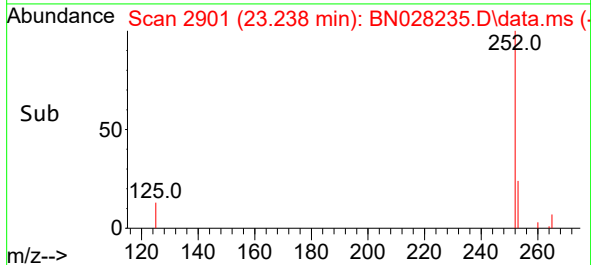
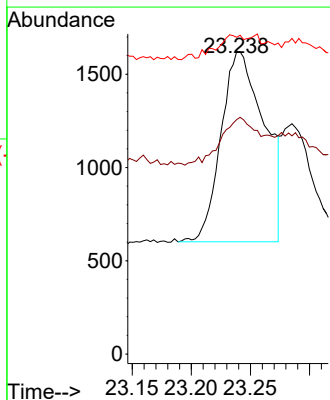
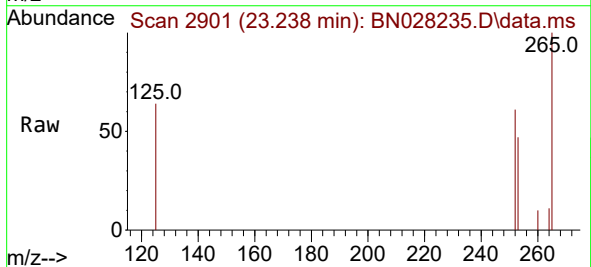
Instrument :
BNA_N
ClientSampleId :
SP-100-20231005

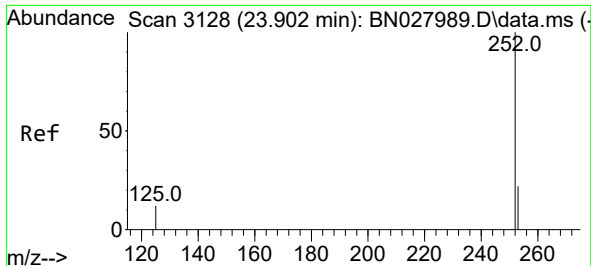
Tgt Ion:276 Resp: 1224
Ion Ratio Lower Upper
276 100
138 2.8 20.9 31.3#
277 14.8 19.8 29.6#



#37
Benzo(b)fluoranthene
Concen: 0.056 ng
RT: 23.238 min Scan# 2901
Delta R.T. 0.026 min
Lab File: BN028235.D
Acq: 11 Oct 2023 16:37

Tgt Ion:252 Resp: 2600
Ion Ratio Lower Upper
252 100
253 77.4 22.9 34.3#
125 104.6 13.8 20.8#





#39

Benzo(a)pyrene

Concen: 0.022 ng

RT: 23.893 min Scan# 3128

Delta R.T. 0.029 min

Lab File: BN028235.D

Acq: 11 Oct 2023 16:37

Instrument :

BNA_N

ClientSampleId :

SP-100-20231005

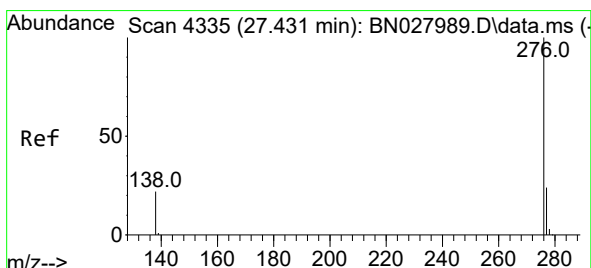
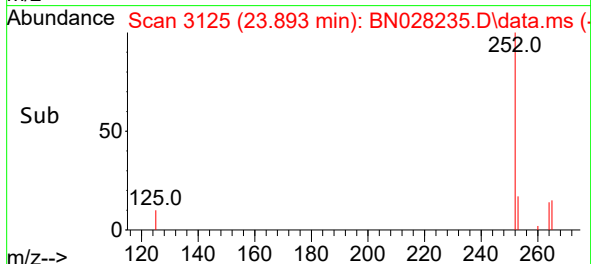
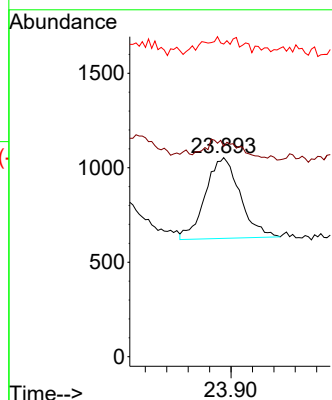
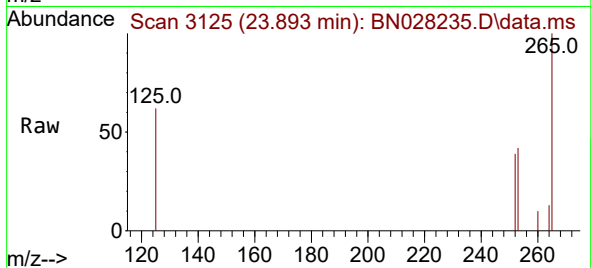
Tgt Ion:252 Resp: 961

Ion Ratio Lower Upper

252 100

253 105.7 25.0 37.4#

125 157.0 16.6 24.8#



#41

Benzo(g,h,i)perylene

Concen: 0.030 ng

RT: 27.428 min Scan# 4334

Delta R.T. 0.061 min

Lab File: BN028235.D

Acq: 11 Oct 2023 16:37

Tgt Ion:276 Resp: 1221

Ion Ratio Lower Upper

276 100

277 71.6 22.1 33.1#

138 82.0 20.8 31.2#

