

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028387.D
 Acq On : 24 Oct 2023 23:01
 Operator : MA/JU
 Sample : 04938-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-1(0-2)

Quant Time: Oct 25 01:07:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

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

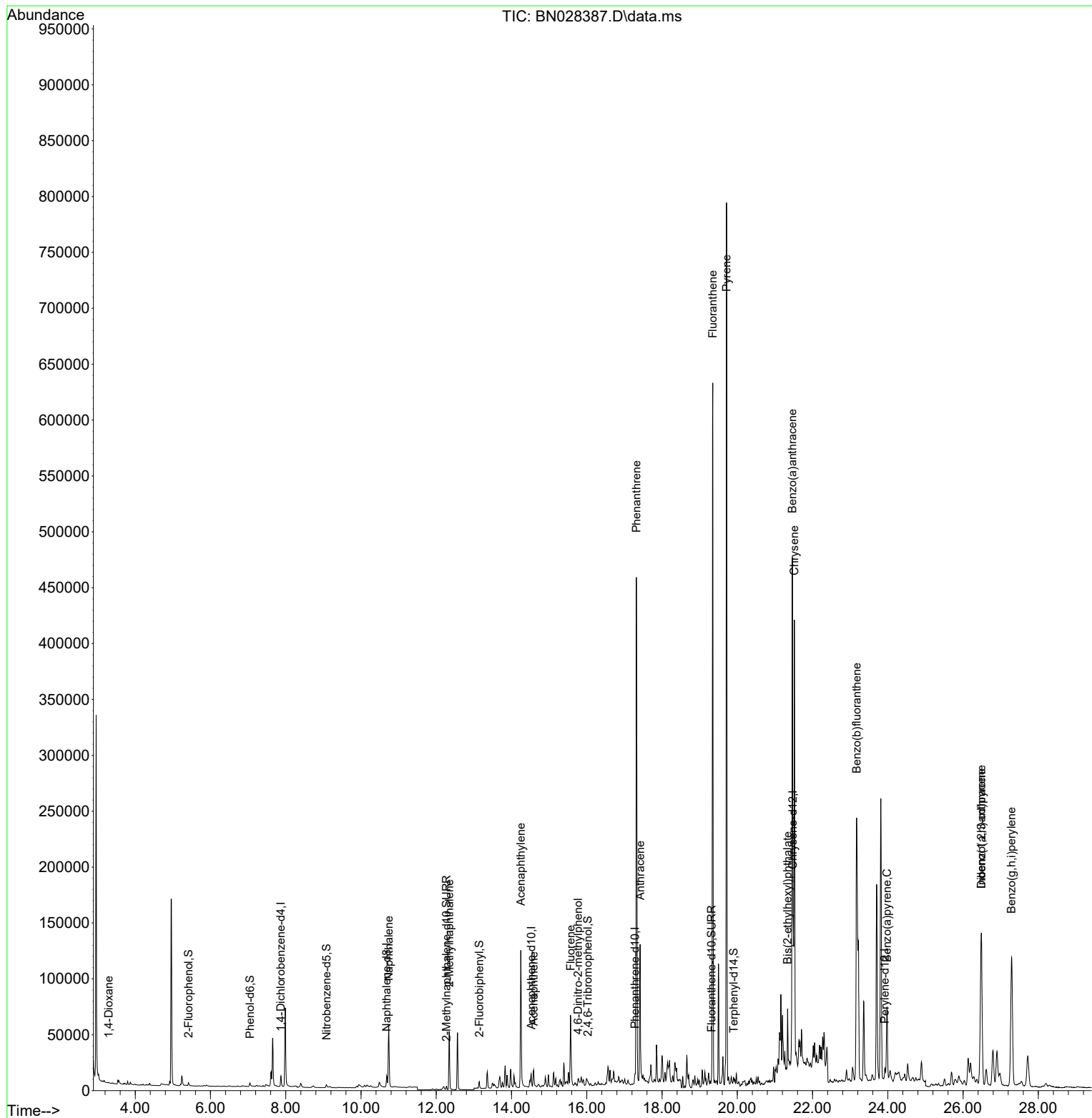
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	4642	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	14506	0.400	ng	#-0.02
13) Acenaphthene-d10	14.523	164	7054	0.400	ng	-0.01
19) Phenanthrene-d10	17.281	188	13463	0.400	ng	#-0.01
29) Chrysene-d12	21.480	240	14612	0.400	ng	0.00
35) Perylene-d12	23.923	264	16204	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.416	112	2683	0.186	ng	-0.01
5) Phenol-d6	7.048	99	3525	0.199	ng	0.00
8) Nitrobenzene-d5	9.080	82	2715	0.211	ng	-0.02
11) 2-Methylnaphthalene-d10	12.271	152	4369	0.200	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	607	0.176	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	5643	0.227	ng	-0.02
27) Fluoranthene-d10	19.314	212	6708	0.186	ng	-0.01
31) Terphenyl-d14	19.904	244	5217	0.168	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.292	88	194	0.035	ng	# 1
9) Naphthalene	10.735	128	74888	1.990	ng	97
12) 2-Methylnaphthalene	12.343	142	36905	1.380	ng	99
16) Acenaphthylene	14.245	152	144669	4.564	ng	99
17) Acenaphthene	14.587	154	8285	0.415	ng	# 90
18) Fluorene	15.569	166	49525	1.884	ng	94
20) 4,6-Dinitro-2-methylph...	15.767	198	7	0.188	ng	# 1
25) Phenanthrene	17.319	178	463369	12.574	ng	100
26) Anthracene	17.418	178	139509	3.964	ng	# 94
28) Fluoranthene	19.346	202	562164	12.142	ng	99
30) Pyrene	19.713	202	695033	13.901	ng	99
32) Benzo(a)anthracene	21.462	228	384690	7.411	ng	100
33) Chrysene	21.515	228	332308	6.689	ng	99
34) Bis(2-ethylhexyl)phtha...	21.336	149	43442	1.096	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.487	276	241791	3.701	ng	97
37) Benzo(b)fluoranthene	23.171	252	439323	8.674	ng	# 89
39) Benzo(a)pyrene	23.978	252	84093	1.669	ng	97
40) Dibenzo(a,h)anthracene	26.487	278	67910	1.280	ng	99
41) Benzo(g,h,i)perylene	27.288	276	254837	4.654	ng	95

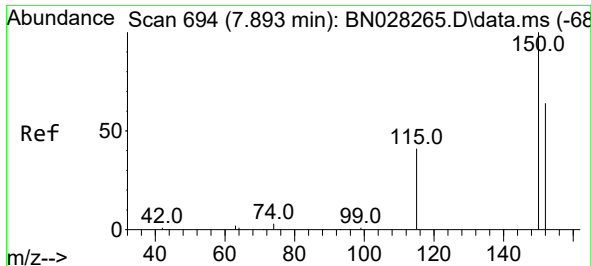
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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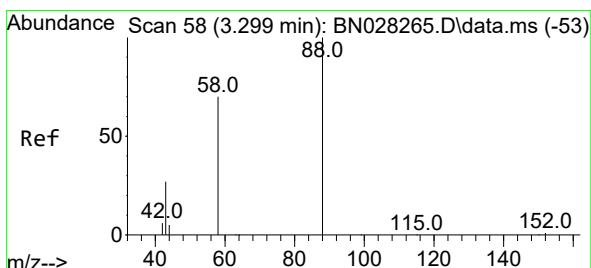
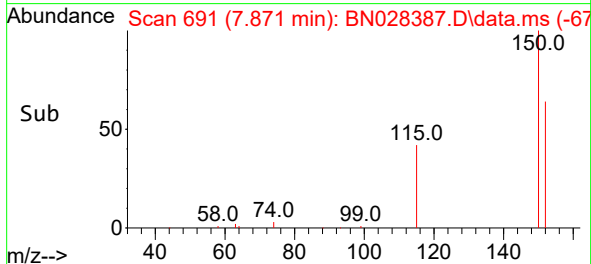
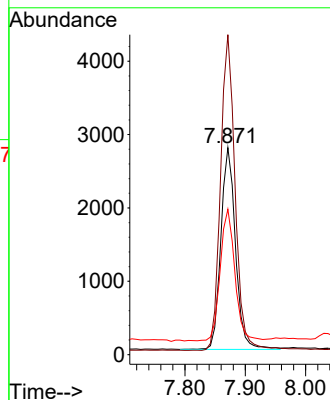
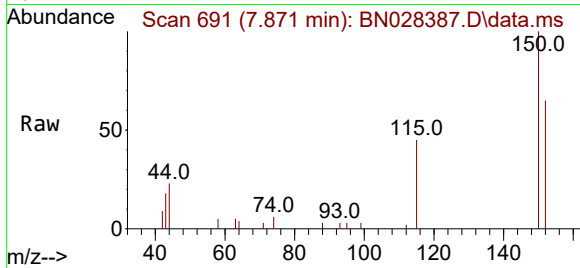




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.871 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

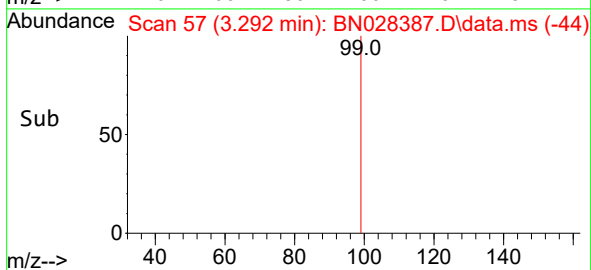
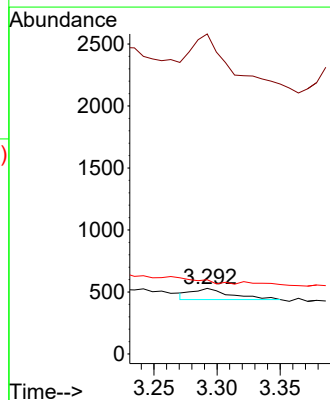
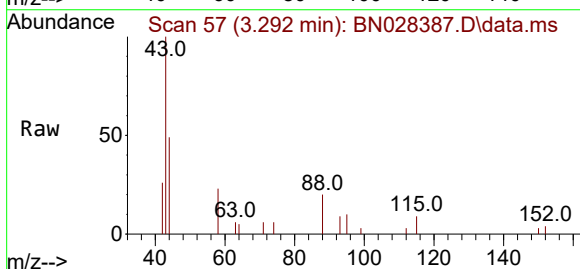
Instrument :
 BNA_N
 ClientSampleId :
 A-1(0-2)

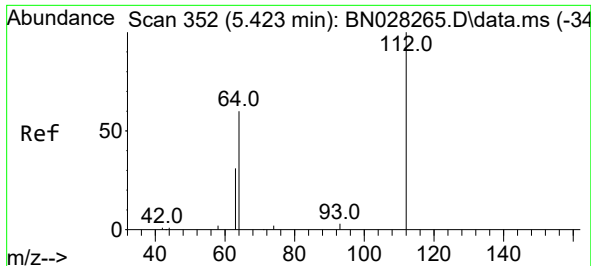
Tgt Ion:152 Resp: 4642
 Ion Ratio Lower Upper
 152 100
 150 154.5 121.6 182.4
 115 70.2 54.3 81.5



#2
 1,4-Dioxane
 Concen: 0.035 ng
 RT: 3.292 min Scan# 57
 Delta R.T. -0.007 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

Tgt Ion: 88 Resp: 194
 Ion Ratio Lower Upper
 88 100
 43 384.0 26.6 39.8#
 58 0.0 55.4 83.0#

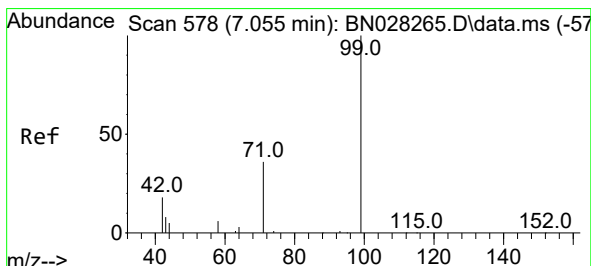
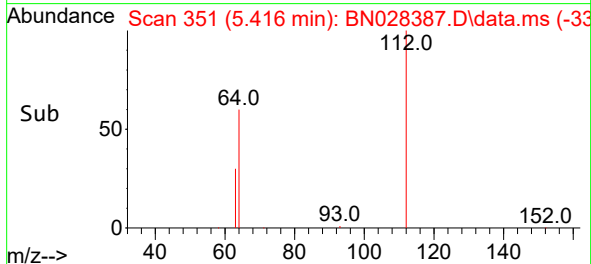
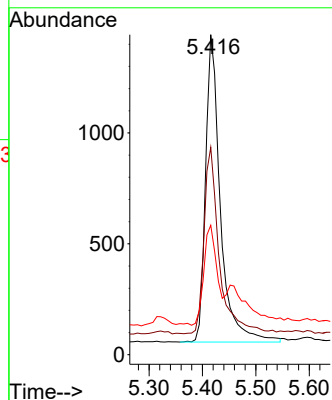
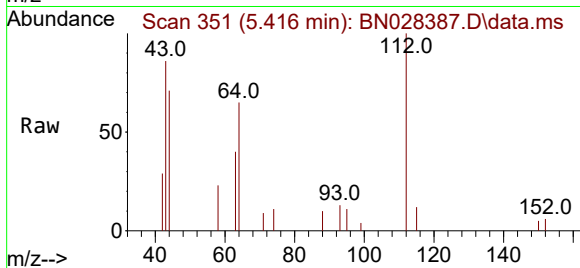




#4
2-Fluorophenol
Concen: 0.186 ng
RT: 5.416 min Scan# 311
Delta R.T. -0.014 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

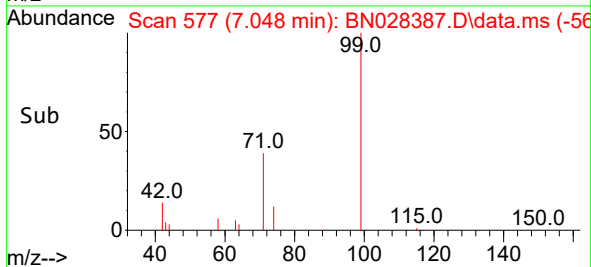
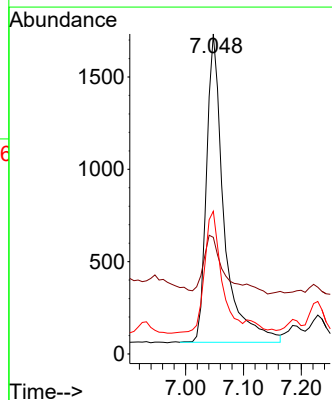
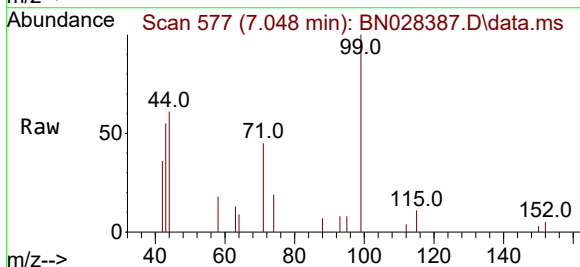
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

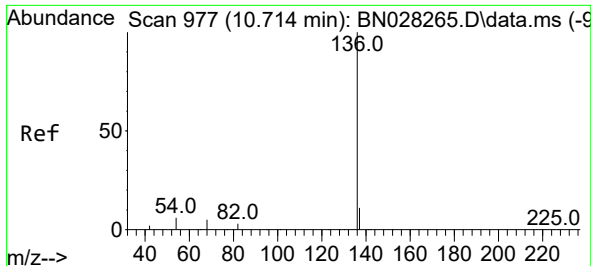
Tgt Ion:112 Resp: 2683
Ion Ratio Lower Upper
112 100
64 62.5 46.9 70.3
63 28.8 25.0 37.4



#5
Phenol-d6
Concen: 0.199 ng
RT: 7.048 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion: 99 Resp: 3525
Ion Ratio Lower Upper
99 100
42 22.4 15.9 23.9
71 38.7 28.6 42.8

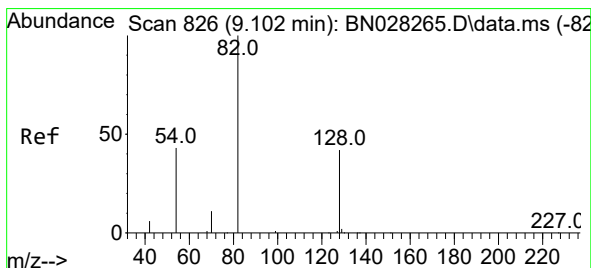
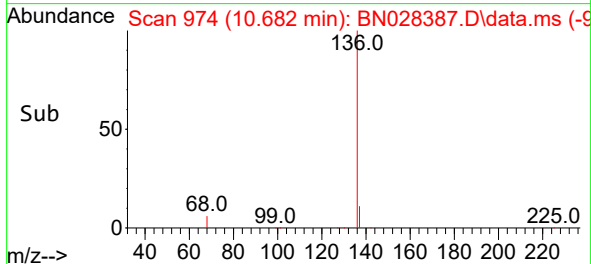
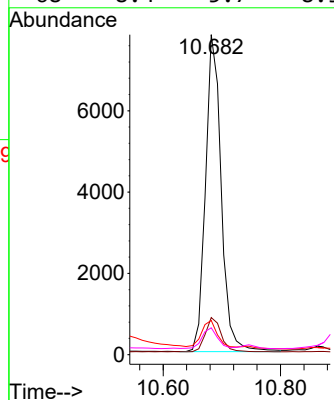
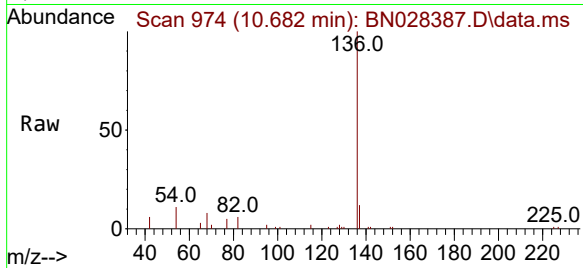




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

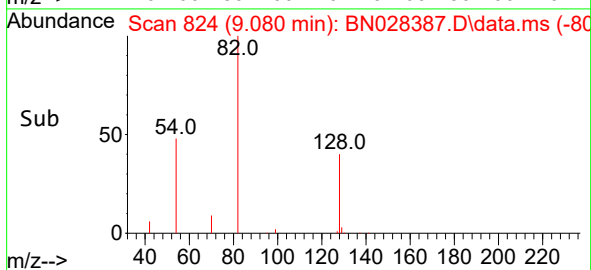
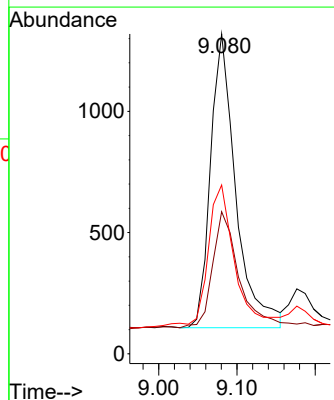
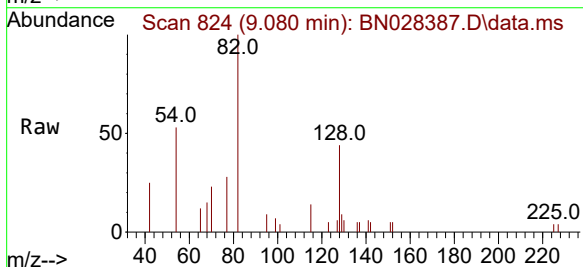
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

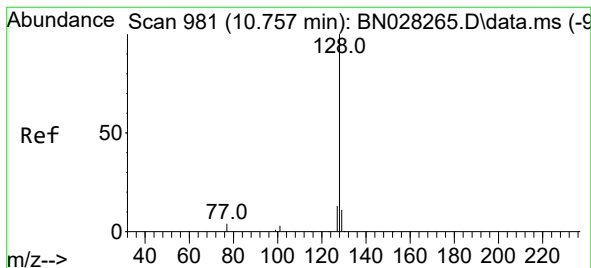
Tgt Ion:	136	Resp:	14506
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.8	14.8
54	10.7	6.2	9.4
68	8.4	5.7	8.5



#8
Nitrobenzene-d5
Concen: 0.211 ng
RT: 9.080 min Scan# 824
Delta R.T. -0.021 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:	82	Resp:	2715
Ion Ratio	Lower	Upper	
82	100		
128	44.4	36.8	55.2
54	52.8	37.4	56.2





#9

Naphthalene

Concen: 1.990 ng

RT: 10.735 min Scan# 91

Delta R.T. -0.021 min

Lab File: BN028387.D

Acq: 24 Oct 2023 23:01

Instrument :

BNA_N

ClientSampleId :

A-1(0-2)

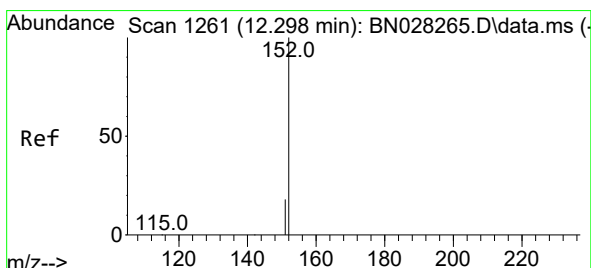
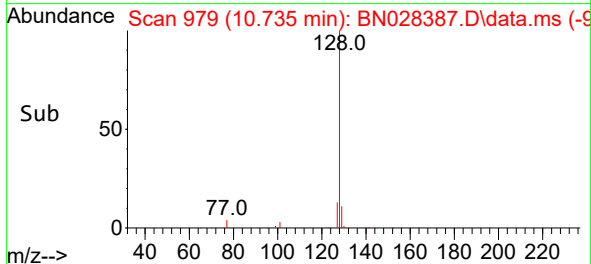
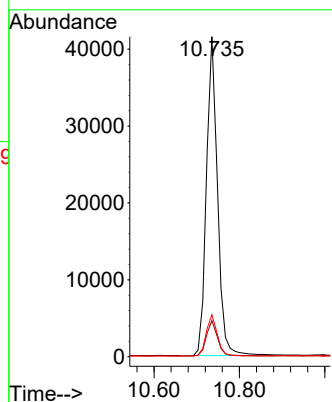
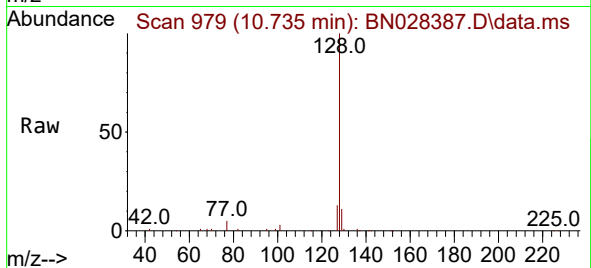
Tgt Ion:128 Resp: 74888

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.6

127 13.1 11.4 17.0



#11

2-Methylnaphthalene-d10

Concen: 0.200 ng

RT: 12.271 min Scan# 1254

Delta R.T. -0.023 min

Lab File: BN028387.D

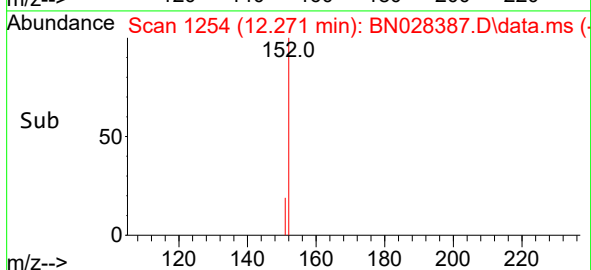
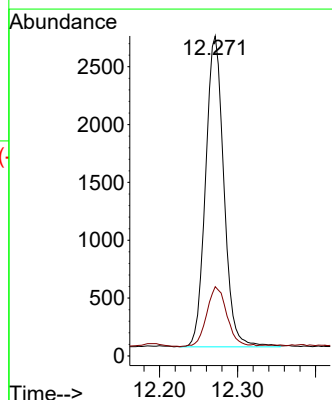
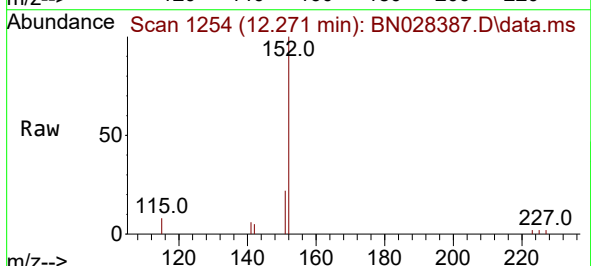
Acq: 24 Oct 2023 23:01

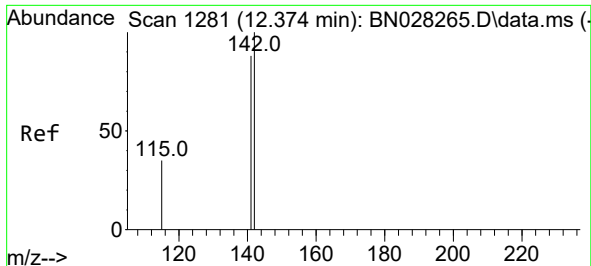
Tgt Ion:152 Resp: 4369

Ion Ratio Lower Upper

152 100

151 21.4 16.1 24.1

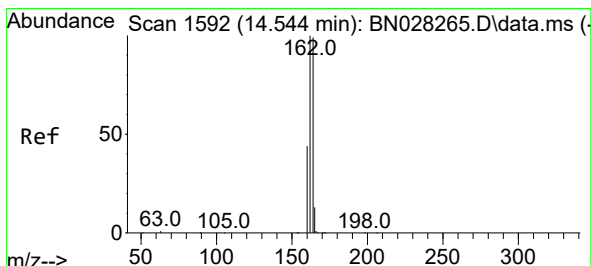
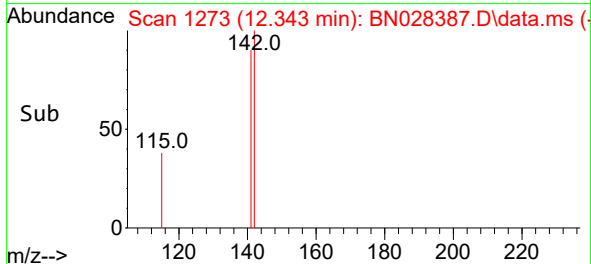
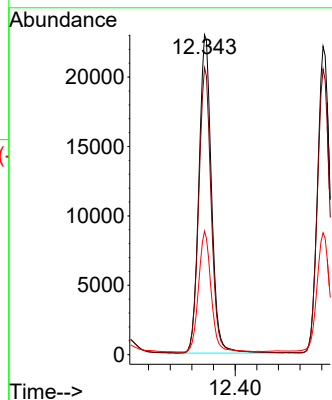
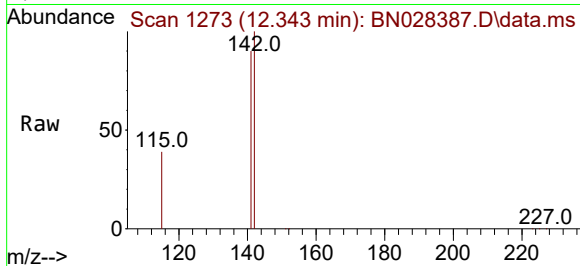




#12
2-Methylnaphthalene
Concen: 1.380 ng
RT: 12.343 min Scan# 1273
Delta R.T. -0.026 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

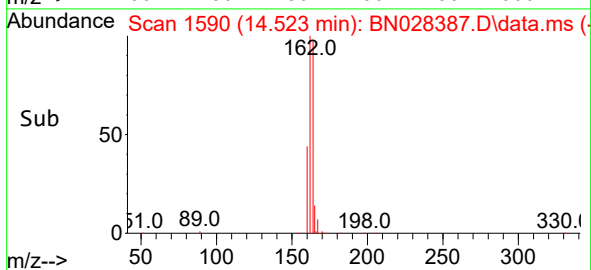
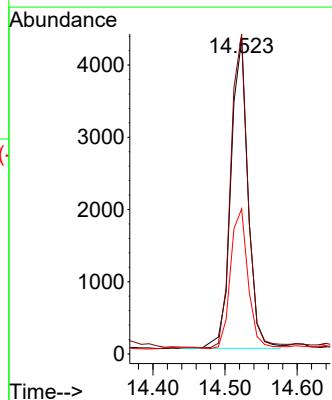
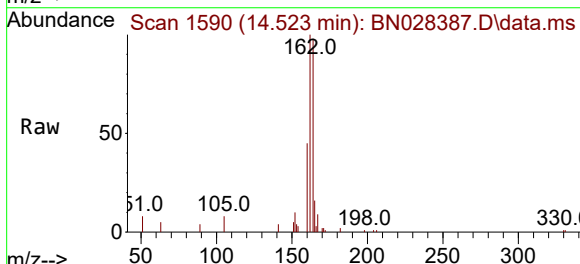
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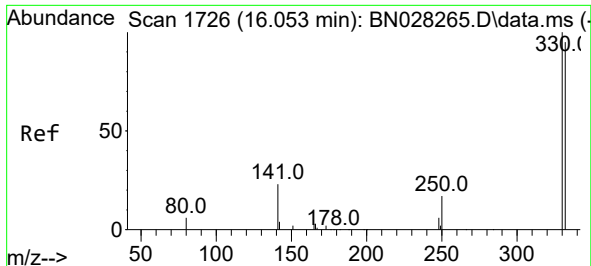
Tgt Ion:142 Resp: 36905
Ion Ratio Lower Upper
142 100
141 89.7 71.1 106.7
115 38.6 29.9 44.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 1590
Delta R.T. -0.011 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:164 Resp: 7054
Ion Ratio Lower Upper
164 100
162 101.6 81.1 121.7
160 46.1 36.6 54.8

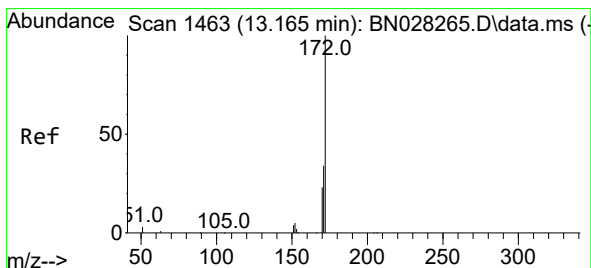
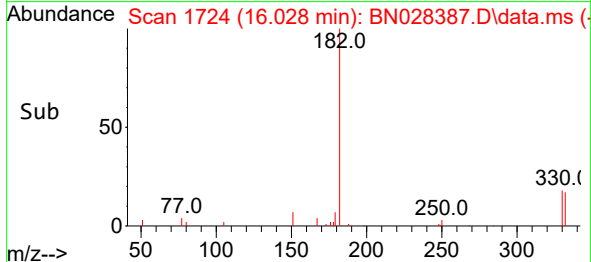
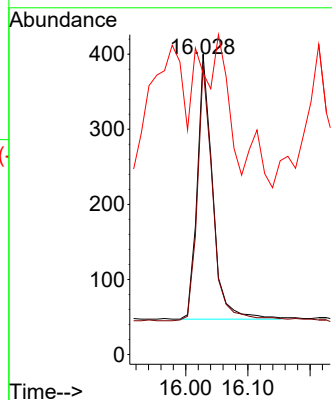
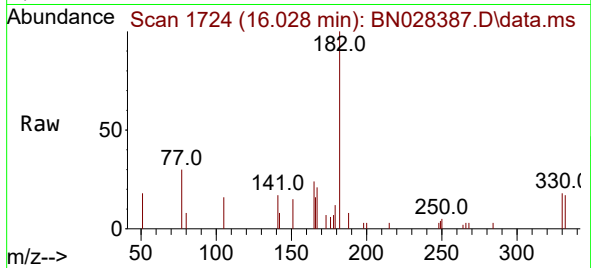




#14
2,4,6-Tribromophenol
Concen: 0.176 ng
RT: 16.028 min Scan# 11
Delta R.T. -0.037 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

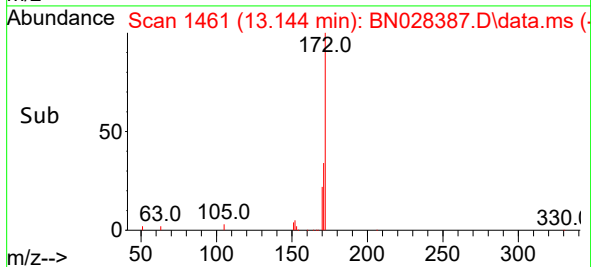
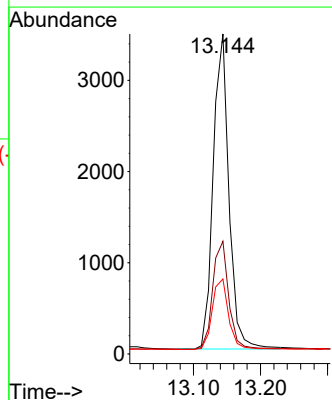
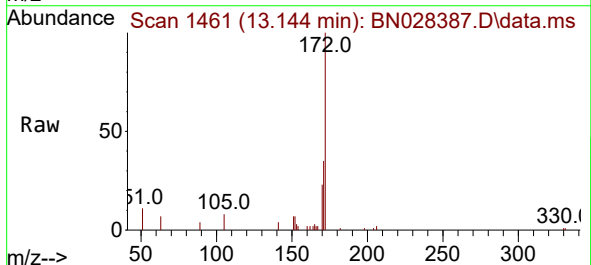
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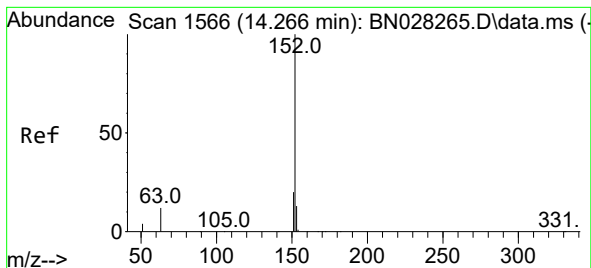
Tgt Ion:330 Resp: 607
Ion Ratio Lower Upper
330 100
332 97.0 74.1 111.1
141 33.3 32.1 48.1



#15
2-Fluorobiphenyl
Concen: 0.227 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:172 Resp: 5643
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.5 18.7 28.1





#16

Acenaphthylene

Concen: 4.564 ng

RT: 14.245 min Scan# 1564

Delta R.T. -0.011 min

Lab File: BN028387.D

Acq: 24 Oct 2023 23:01

Instrument :

BNA_N

ClientSampleId :

A-1(0-2)

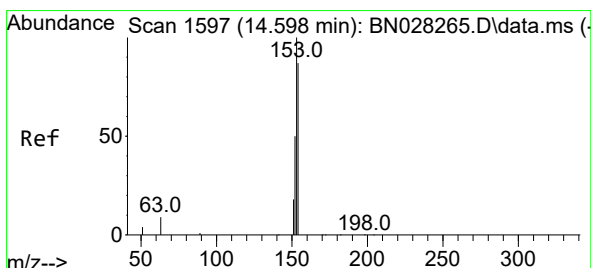
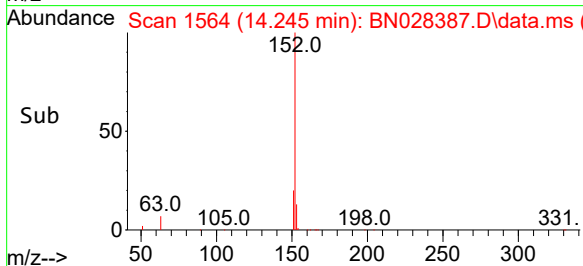
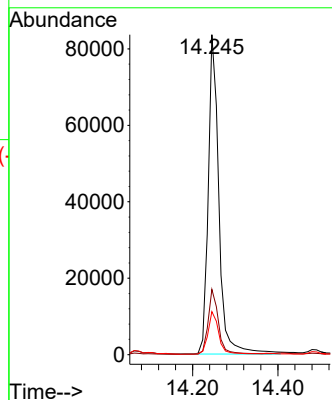
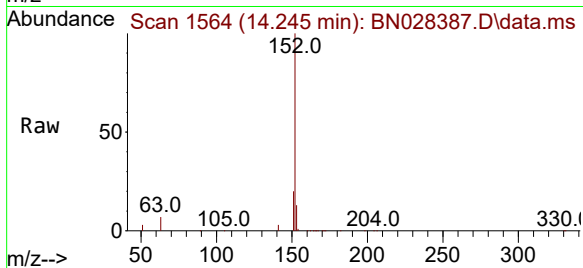
Tgt Ion:152 Resp: 144669

Ion Ratio Lower Upper

152 100

151 19.8 15.6 23.4

153 13.4 10.6 16.0



#17

Acenaphthene

Concen: 0.415 ng

RT: 14.587 min Scan# 1596

Delta R.T. -0.011 min

Lab File: BN028387.D

Acq: 24 Oct 2023 23:01

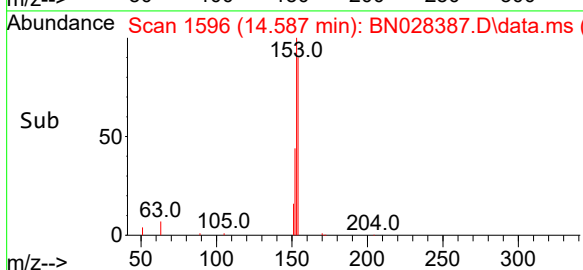
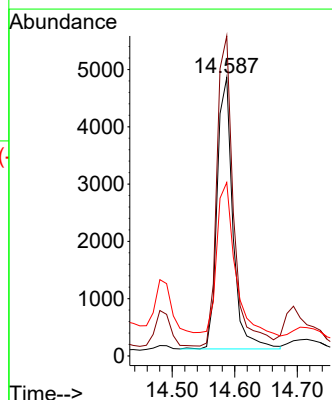
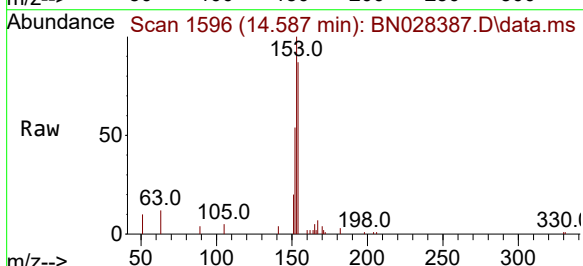
Tgt Ion:154 Resp: 8285

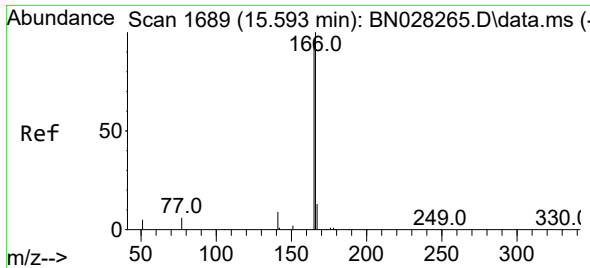
Ion Ratio Lower Upper

154 100

153 120.3 90.7 136.1

152 66.6 43.6 65.4#

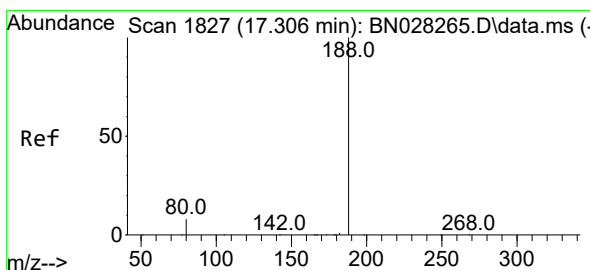
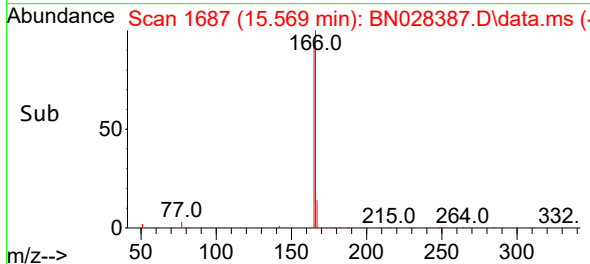
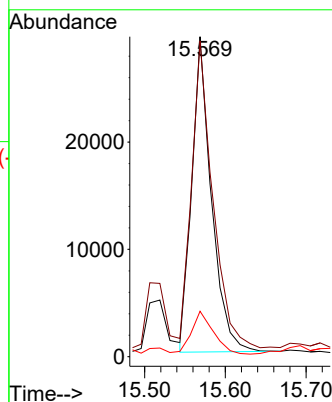
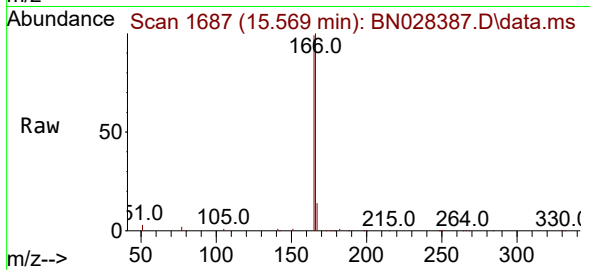




#18
Fluorene
Concen: 1.884 ng
RT: 15.569 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

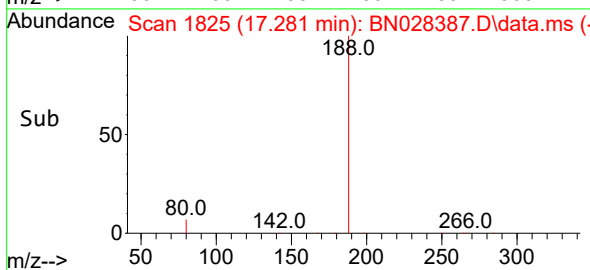
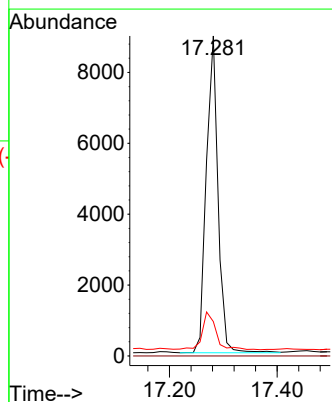
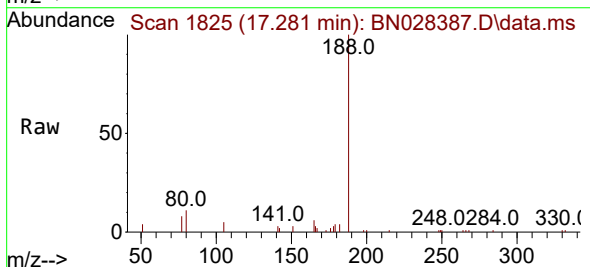
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

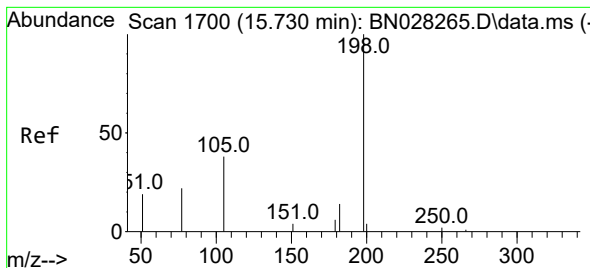
Tgt Ion:166 Resp: 49525
Ion Ratio Lower Upper
166 100
165 104.9 79.3 118.9
167 15.3 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.281 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:188 Resp: 13463
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 7.1 10.7#

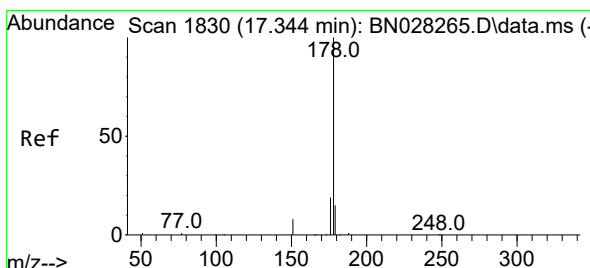
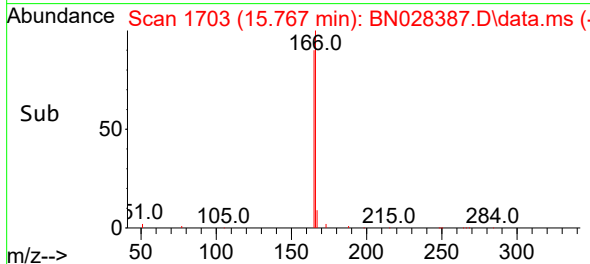
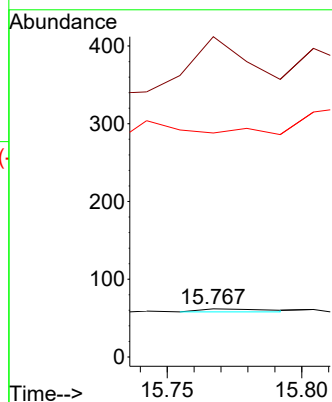
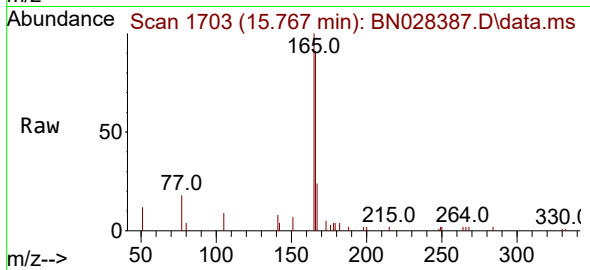




#20
4,6-Dinitro-2-methylphenol
Concen: 0.188 ng
RT: 15.767 min Scan# 11
Delta R.T. -0.037 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

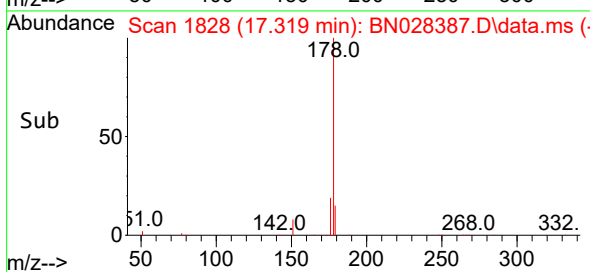
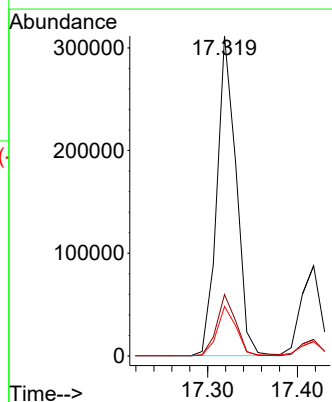
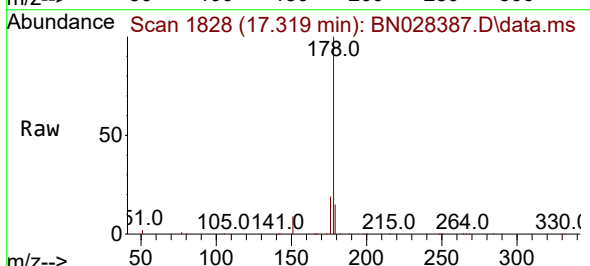
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

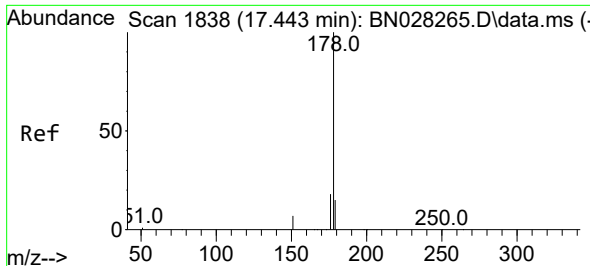
Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 664.5 96.1 144.1#
105 464.5 75.4 113.0#



#25
Phenanthrene
Concen: 12.574 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:178 Resp: 463369
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.4 12.5 18.7

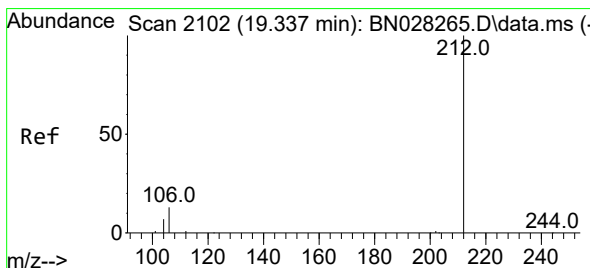
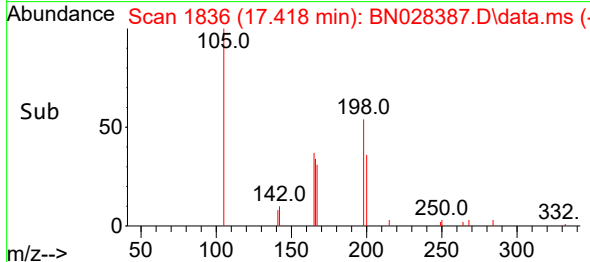
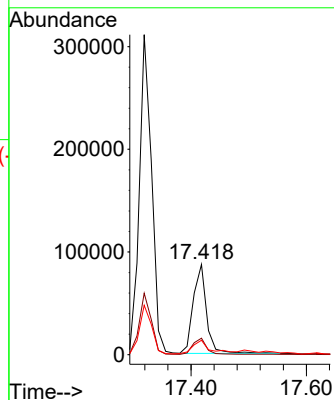
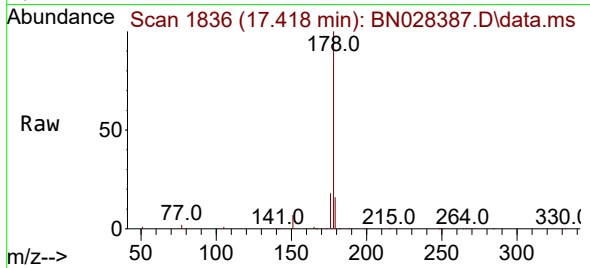




#26
 Anthracene
 Concen: 3.964 ng
 RT: 17.418 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

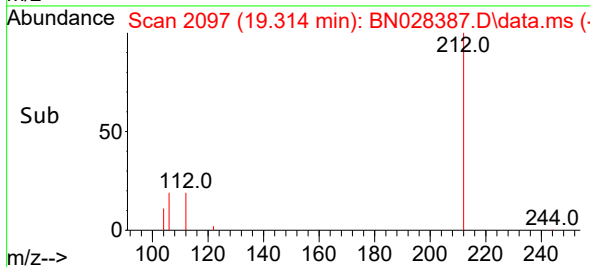
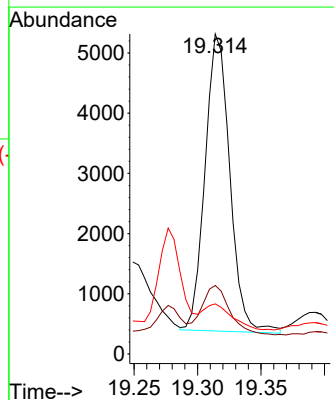
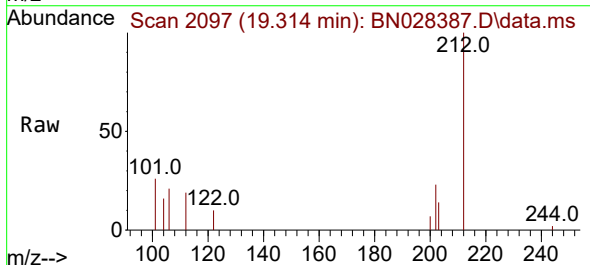
Instrument :
 BNA_N
 ClientSampleId :
 A-1(0-2)

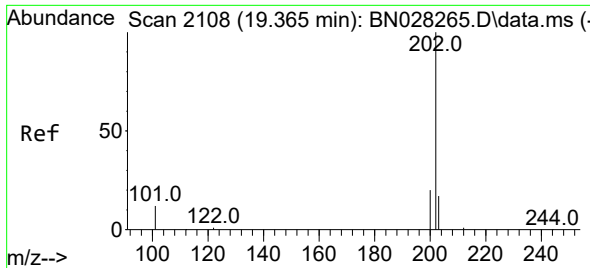
Tgt Ion:178 Resp: 139509
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 22.0
 179 20.6 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.186 ng
 RT: 19.314 min Scan# 2097
 Delta R.T. -0.014 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

Tgt Ion:212 Resp: 6708
 Ion Ratio Lower Upper
 212 100
 106 19.2 11.5 17.3#
 104 10.1 6.7 10.1#

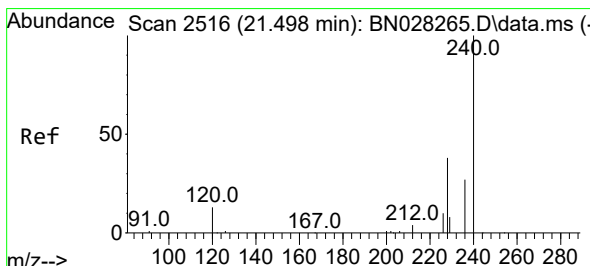
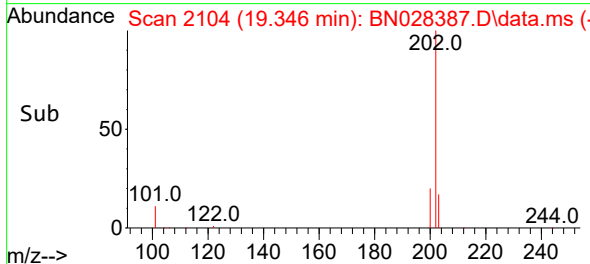
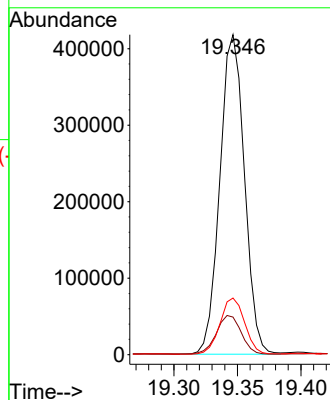
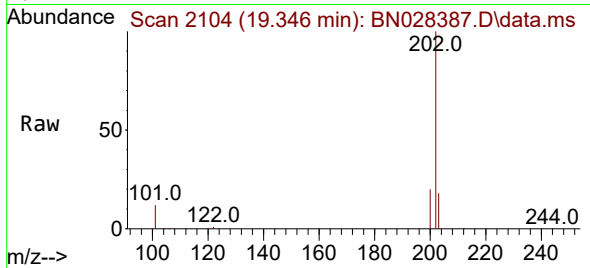




#28
Fluoranthene
Concen: 12.142 ng
RT: 19.346 min Scan# 2104
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

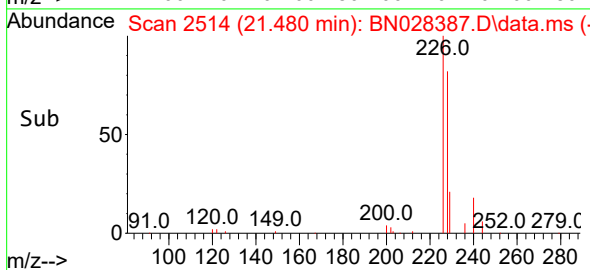
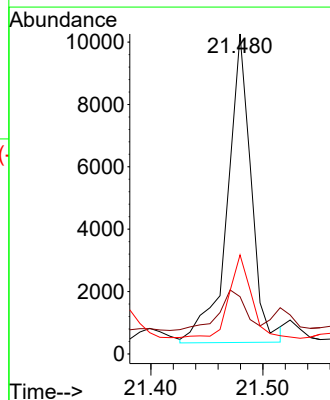
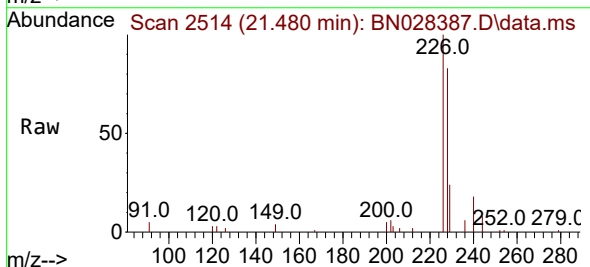
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

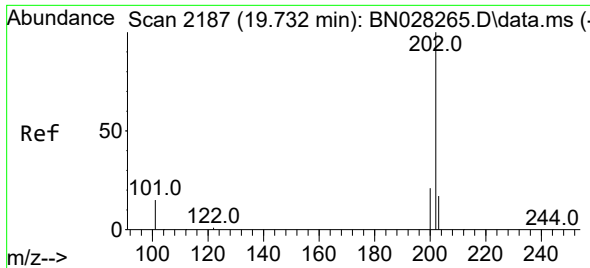
Tgt Ion:202 Resp: 562164
Ion Ratio Lower Upper
202 100
101 12.2 10.1 15.1
203 17.6 13.9 20.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.480 min Scan# 2514
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:240 Resp: 14612
Ion Ratio Lower Upper
240 100
120 17.9 13.4 20.0
236 30.9 22.7 34.1

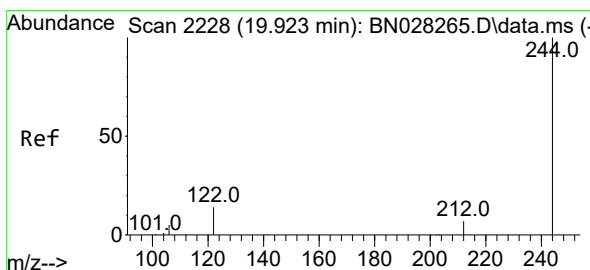
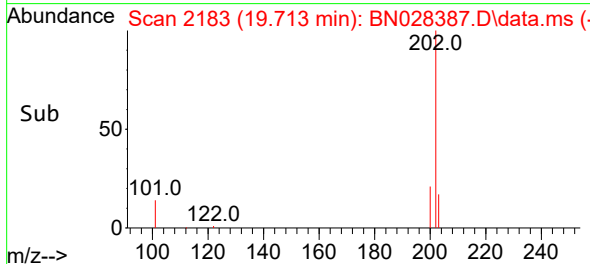
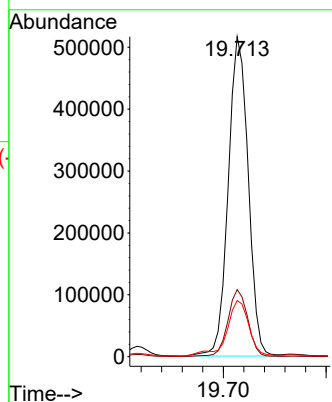
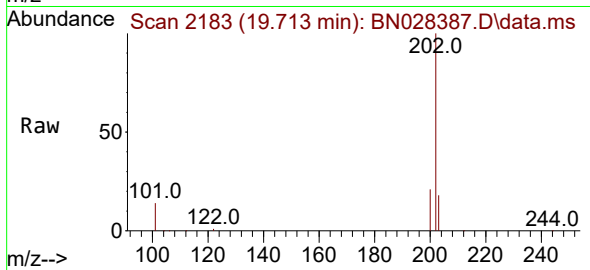




#30
Pyrene
Concen: 13.901 ng
RT: 19.713 min Scan# 2183
Delta R.T. -0.014 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

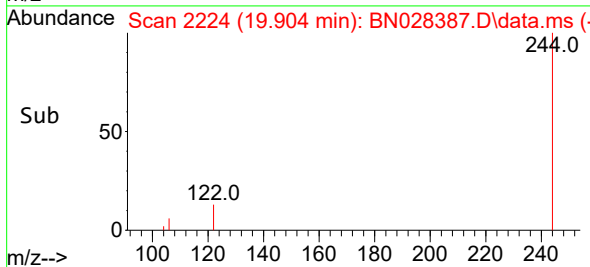
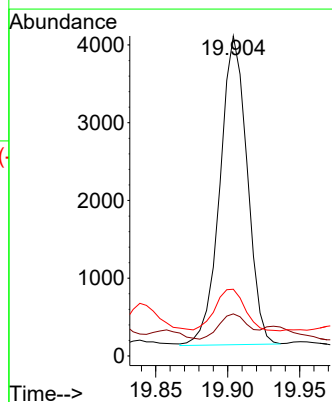
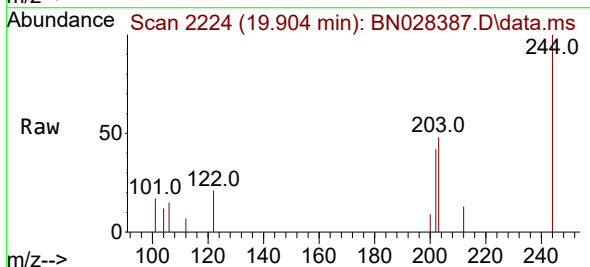
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

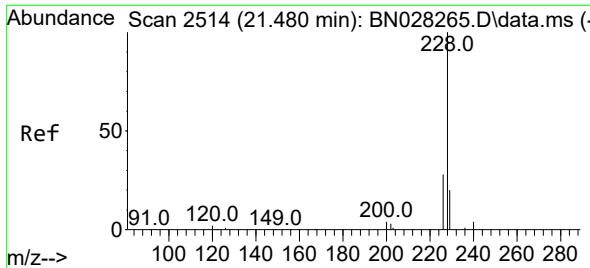
Tgt Ion:202 Resp: 695033
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 19.2 14.5 21.7



#31
Terphenyl-d14
Concen: 0.168 ng
RT: 19.904 min Scan# 2224
Delta R.T. -0.014 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:244 Resp: 5217
Ion Ratio Lower Upper
244 100
212 13.1 6.6 10.0#
122 20.8 11.7 17.5#

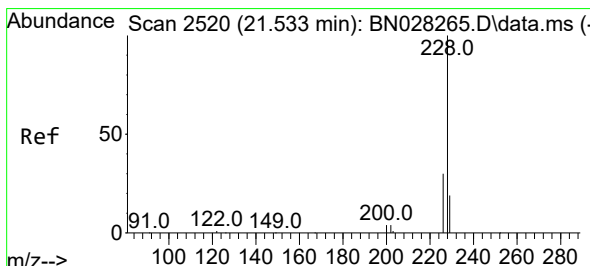
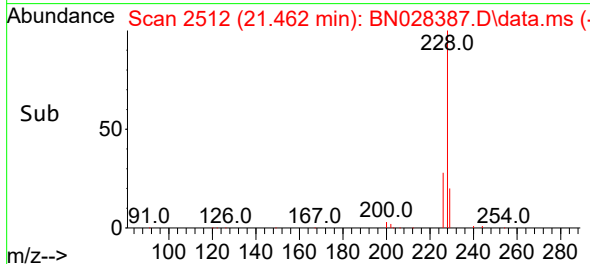
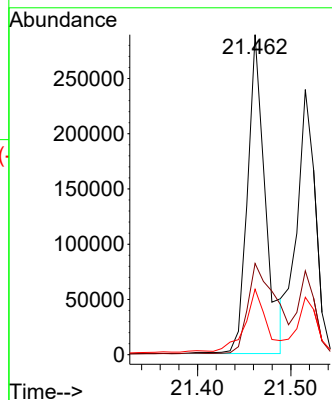
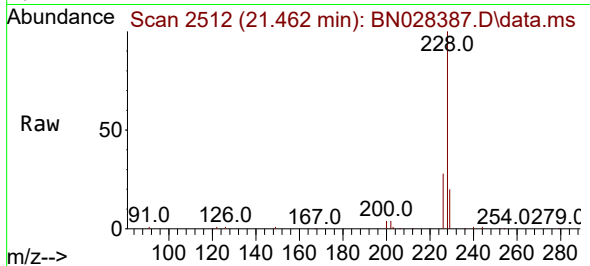




#32
Benzo(a)anthracene
Concen: 7.411 ng
RT: 21.462 min Scan# 2146
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

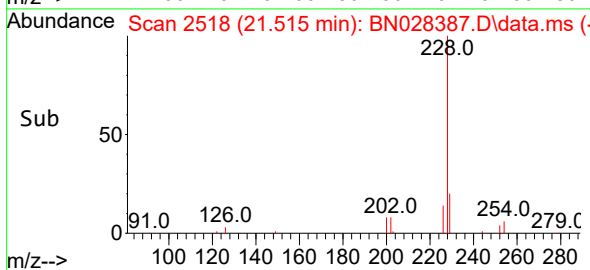
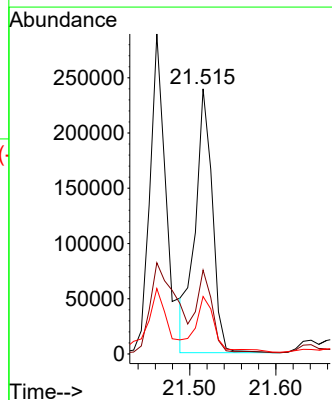
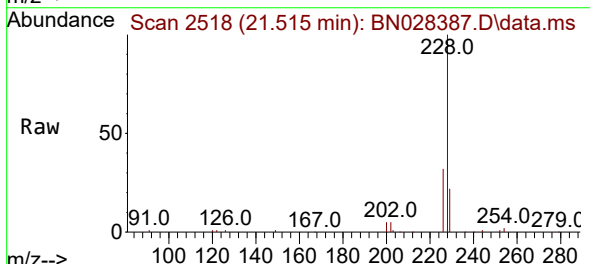
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

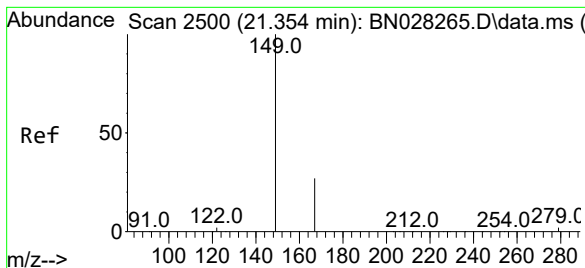
Tgt Ion:228 Resp: 384690
Ion Ratio Lower Upper
228 100
226 28.5 22.9 34.3
229 20.4 16.6 24.8



#33
Chrysene
Concen: 6.689 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:228 Resp: 332308
Ion Ratio Lower Upper
228 100
226 31.6 25.2 37.8
229 21.7 16.6 25.0

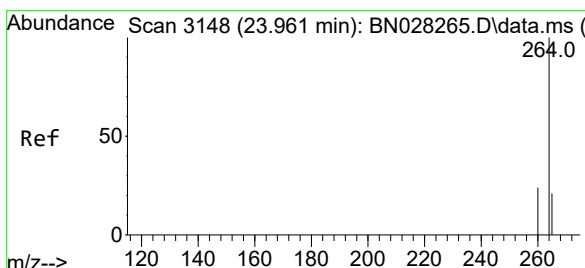
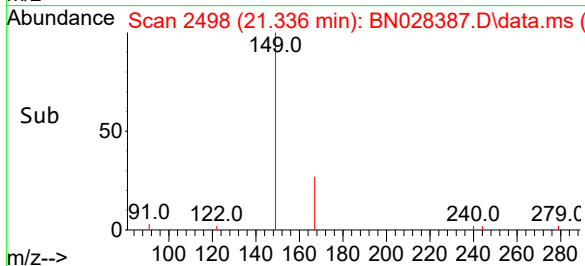
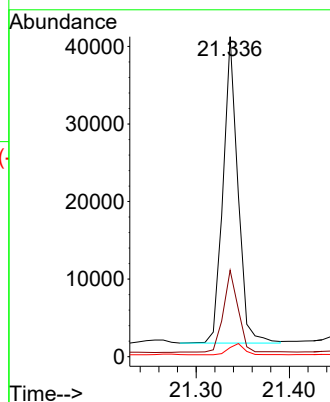
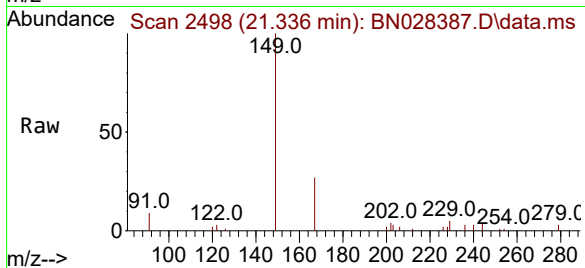




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.096 ng
 RT: 21.336 min Scan# 2498
 Delta R.T. -0.009 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

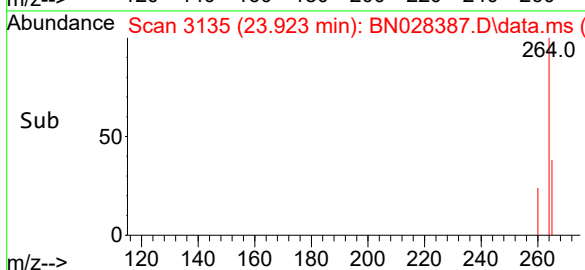
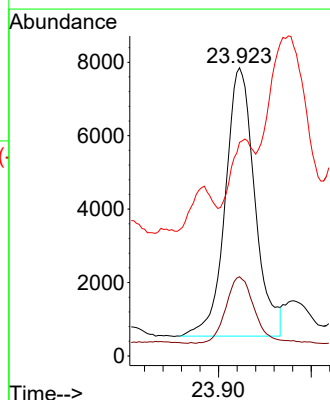
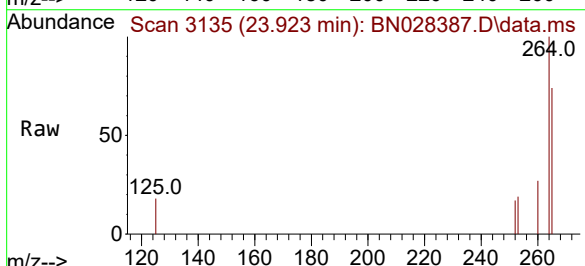
Instrument :
 BNA_N
 ClientSampleId :
 A-1(0-2)

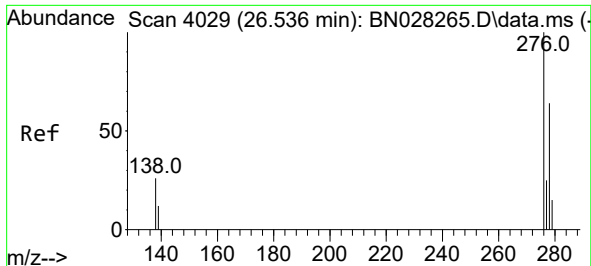
Tgt Ion:149 Resp: 43442
 Ion Ratio Lower Upper
 149 100
 167 27.3 22.6 34.0
 279 3.8 4.2 6.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.923 min Scan# 3135
 Delta R.T. -0.015 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

Tgt Ion:264 Resp: 16204
 Ion Ratio Lower Upper
 264 100
 260 27.5 20.7 31.1
 265 74.1 38.3 57.5#

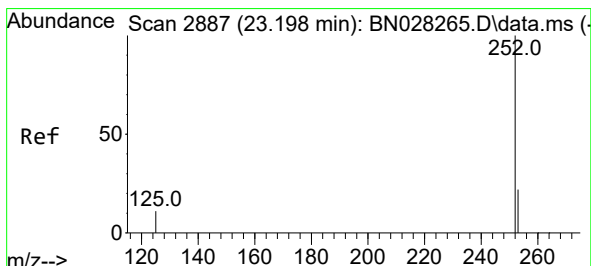
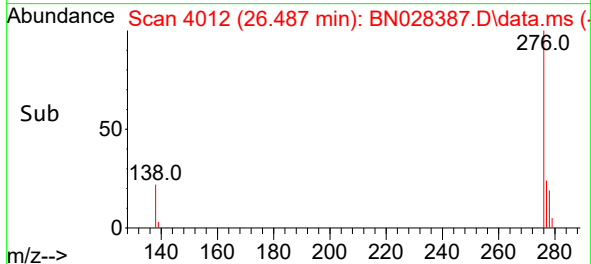
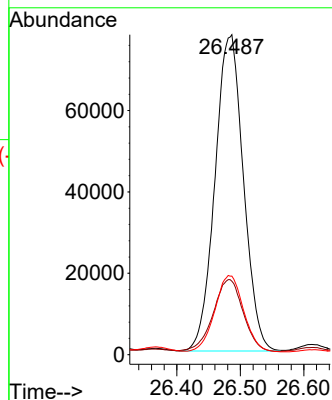
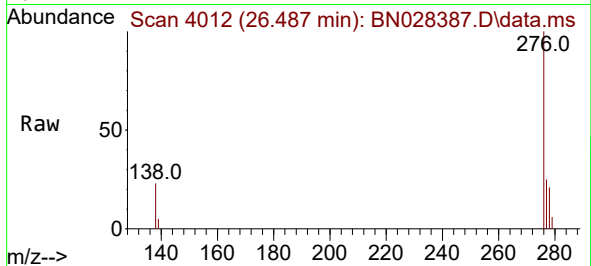




#36
Indeno(1,2,3-cd)pyrene
Concen: 3.701 ng
RT: 26.487 min Scan# 4012
Delta R.T. -0.017 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

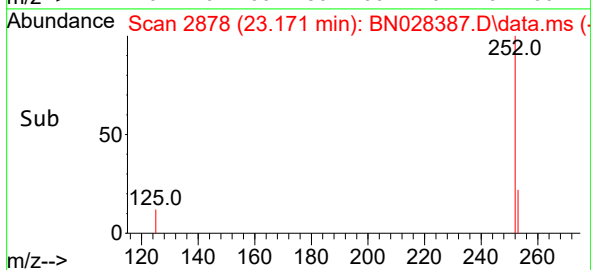
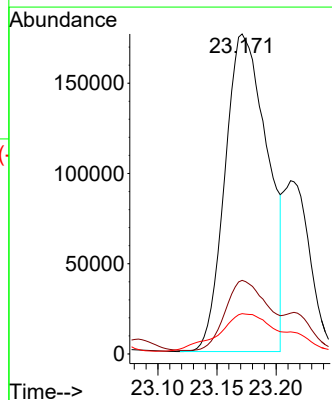
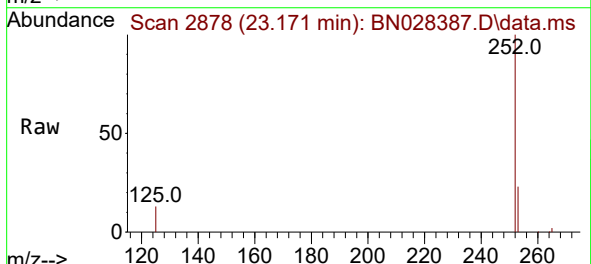
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

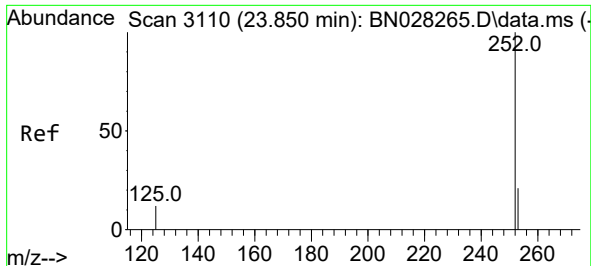
Tgt Ion:276 Resp: 241791
Ion Ratio Lower Upper
276 100
138 23.8 21.3 31.9
277 24.4 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 8.674 ng
RT: 23.171 min Scan# 2878
Delta R.T. -0.006 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:252 Resp: 439323
Ion Ratio Lower Upper
252 100
253 23.0 21.8 32.8
125 12.6 15.6 23.4#

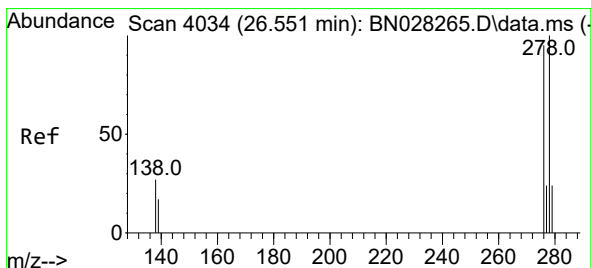
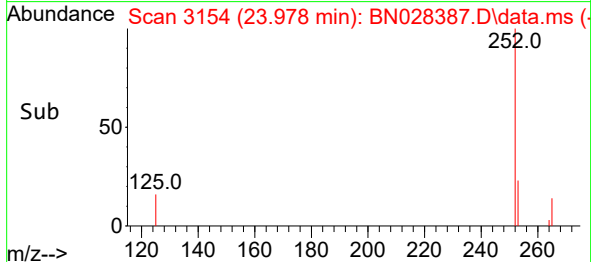
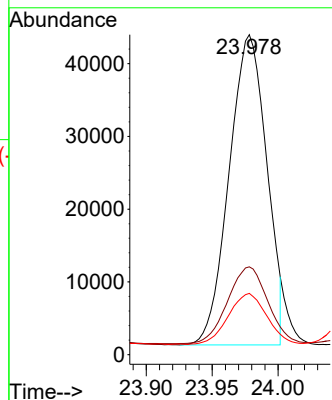
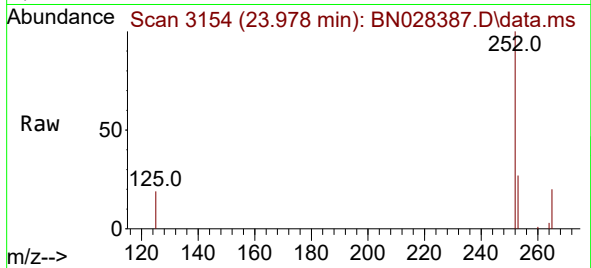




#39
Benzo(a)pyrene
Concen: 1.669 ng
RT: 23.978 min Scan# 3110
Delta R.T. 0.149 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

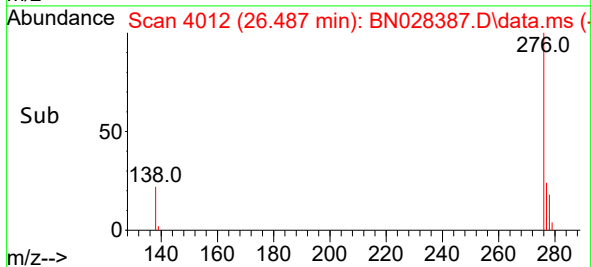
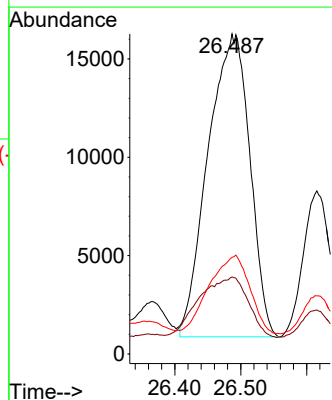
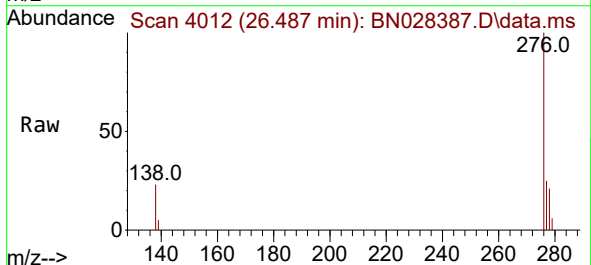
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)

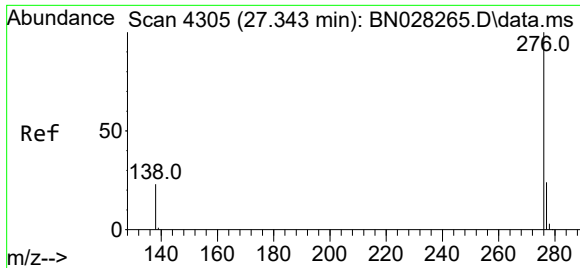
Tgt Ion:252 Resp: 84093
Ion Ratio Lower Upper
252 100
253 27.5 22.7 34.1
125 19.2 17.0 25.6



#40
Dibenzo(a,h)anthracene
Concen: 1.280 ng
RT: 26.487 min Scan# 4012
Delta R.T. -0.032 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

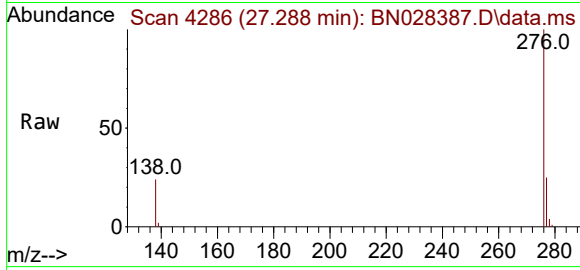
Tgt Ion:278 Resp: 67910
Ion Ratio Lower Upper
278 100
139 24.1 18.8 28.2
279 30.2 23.5 35.3





#41
 Benzo(g,h,i)perylene
 Concen: 4.654 ng
 RT: 27.288 min Scan# 41
 Delta R.T. -0.017 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

Instrument :
 BNA_N
 ClientSampleId :
 A-1(0-2)



Tgt Ion:276 Resp: 254837
 Ion Ratio Lower Upper
 276 100
 277 24.6 21.7 32.5
 138 24.4 21.7 32.5

