

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100223\
 Data File : BN027987.D
 Acq On : 02 Oct 2023 14:59
 Operator : MA/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Oct 02 16:51:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 02 16:50:51 2023
 Response via : Initial Calibration

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

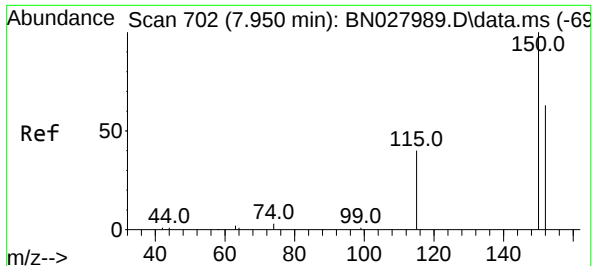
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	4368	0.400	ng	0.00
7) Naphthalene-d8	10.767	136	15035	0.400	ng	0.00
13) Acenaphthene-d10	14.598	164	9182	0.400	ng	0.00
19) Phenanthrene-d10	17.343	188	20128	0.400	ng	0.00
29) Chrysene-d12	21.533	240	17647	0.400	ng	0.00
35) Perylene-d12	24.013	264	15024	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.481	112	1579	0.141	ng	0.00
5) Phenol-d6	7.113	99	1939	0.138	ng	0.00
8) Nitrobenzene-d5	9.144	82	1389	0.116	ng	0.00
11) 2-Methylnaphthalene-d10	12.355	152	2230	0.103	ng	0.00
14) 2,4,6-Tribromophenol	16.090	330	436	0.110	ng	0.00
15) 2-Fluorobiphenyl	13.219	172	3441	0.110	ng	0.00
27) Fluoranthene-d10	19.379	212	5108	0.098	ng	0.00
31) Terphenyl-d14	19.964	244	4760	0.137	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.718	42	602	0.100	ng	97
6) bis(2-Chloroethyl)ether	7.387	93	1395	0.105	ng	99
9) Naphthalene	10.821	128	4054	0.099	ng	96
10) Hexachlorobutadiene	11.045	225	724	0.102	ng	# 99
12) 2-Methylnaphthalene	12.426	142	2733	0.096	ng	98
16) Acenaphthylene	14.320	152	3931	0.100	ng	99
17) Acenaphthene	14.651	154	2616	0.096	ng	99
18) Fluorene	15.643	166	3333	0.085	ng	99
21) 4-Bromophenyl-phenylether	16.537	248	1007	0.098	ng	# 72
22) Hexachlorobenzene	16.611	284	1075	0.093	ng	96
23) Atrazine	16.797	200	919	0.117	ng	# 91
24) Pentachlorophenol	16.984	266	476	0.098	ng	93
25) Phenanthrene	17.393	178	5364	0.092	ng	99
26) Anthracene	17.480	178	4853	0.096	ng	99
28) Fluoranthene	19.407	202	6325	0.089	ng	98
30) Pyrene	19.774	202	6679	0.106	ng	99
32) Benzo(a)anthracene	21.515	228	6249	0.102	ng	95
33) Chrysene	21.578	228	5979	0.091	ng	96
36) Indeno(1,2,3-cd)pyrene	26.615	276	5063	0.082	ng	99
37) Benzo(b)fluoranthene	23.244	252	5011	0.086	ng	# 61
38) Benzo(k)fluoranthene	23.294	252	5055	0.086	ng	# 58
39) Benzo(a)pyrene	23.902	252	4640	0.088	ng	# 53
40) Dibenzo(a,h)anthracene	26.633	278	4139	0.082	ng	# 68
41) Benzo(g,h,i)perylene	27.431	276	4292	0.078	ng	# 78

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

BNA N

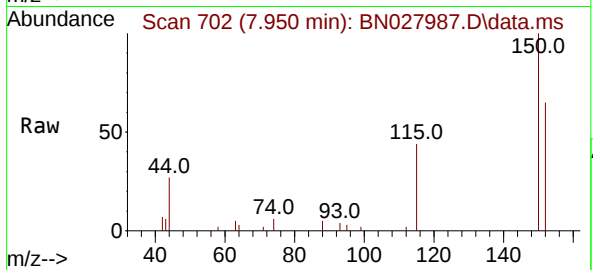
ClientSampleId :

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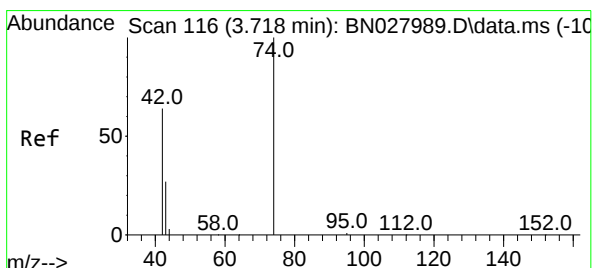
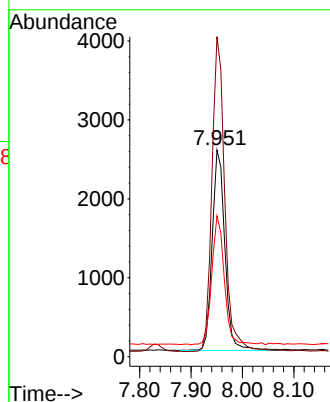
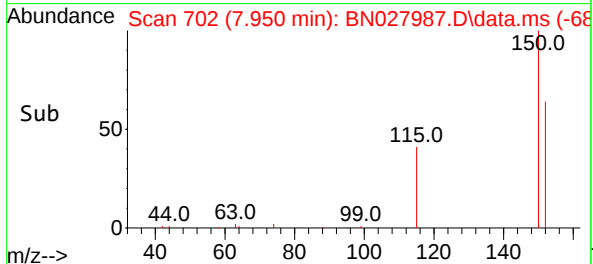


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.950 min Scan# 702
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

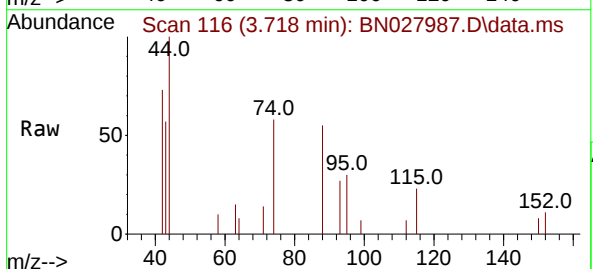
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



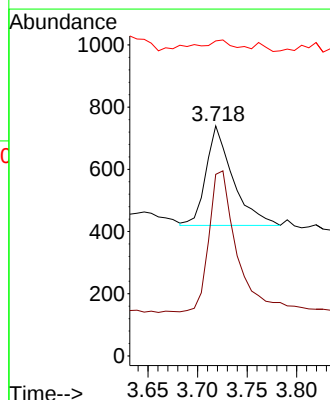
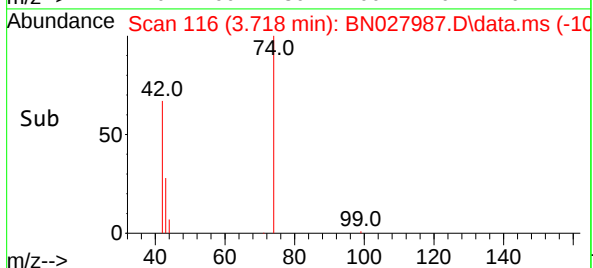
Tgt Ion:152 Resp: 4368
Ion Ratio Lower Upper
152 100
150 154.9 125.6 188.4
115 68.2 54.8 82.2

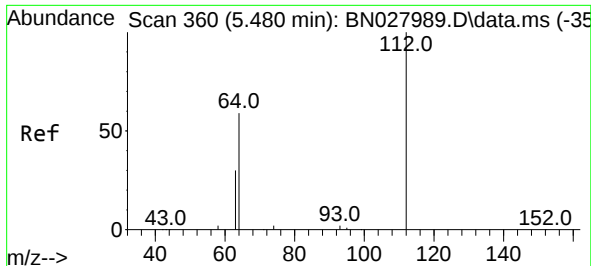


#3
n-Nitrosodimethylamine
Concen: 0.100 ng
RT: 3.718 min Scan# 116
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59



Tgt Ion: 42 Resp: 602
Ion Ratio Lower Upper
42 100
74 148.5 115.9 173.9
44 9.8 8.0 12.0

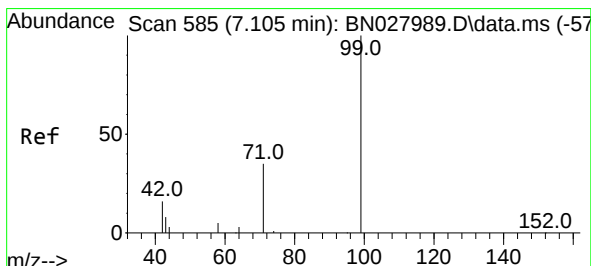
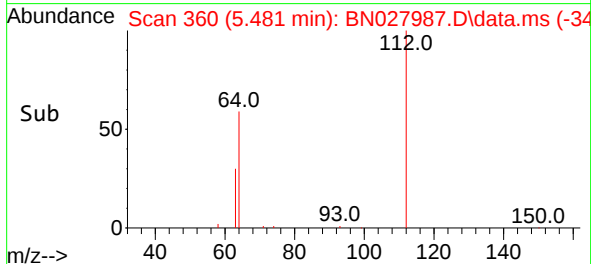
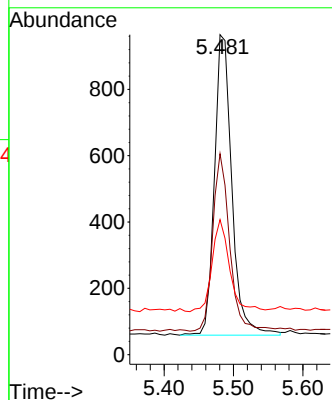
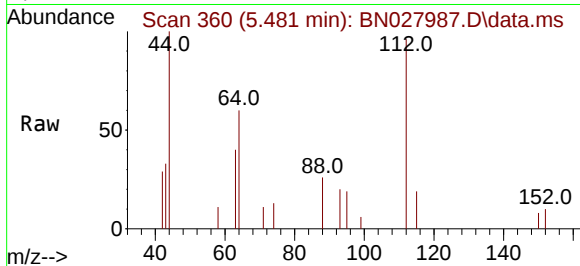




#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.481 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

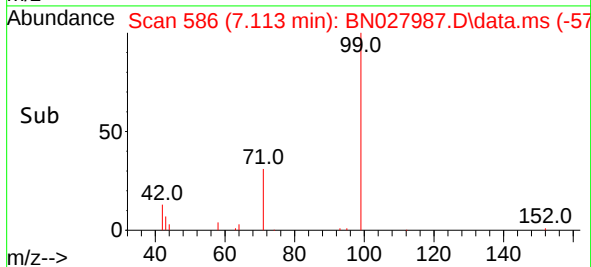
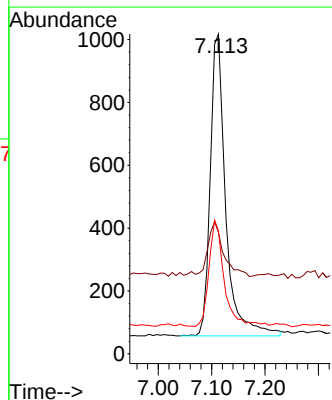
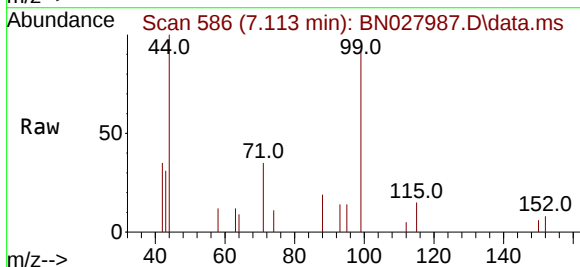
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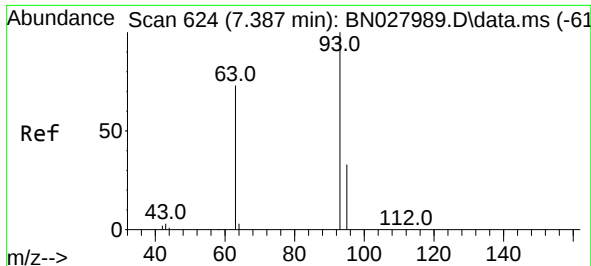
Tgt Ion:112 Resp: 1579
Ion Ratio Lower Upper
112 100
64 57.6 45.0 67.6
63 30.6 23.4 35.0



#5
Phenol-d6
Concen: 0.138 ng
RT: 7.113 min Scan# 586
Delta R.T. 0.007 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion: 99 Resp: 1939
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 34.2 28.3 42.5

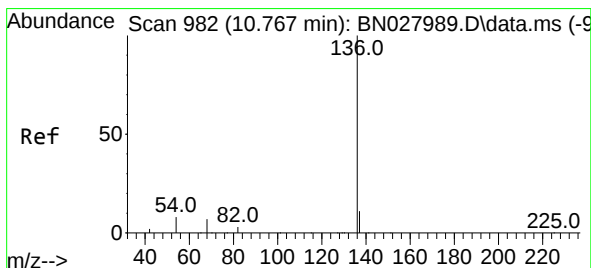
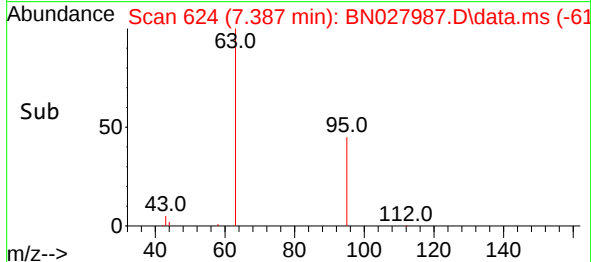
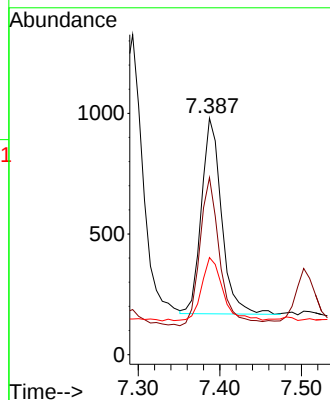
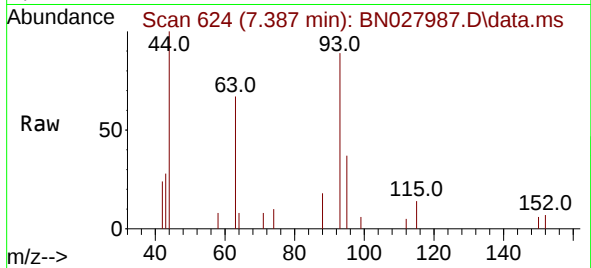




#6
bis(2-Chloroethyl)ether
Concen: 0.105 ng
RT: 7.387 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

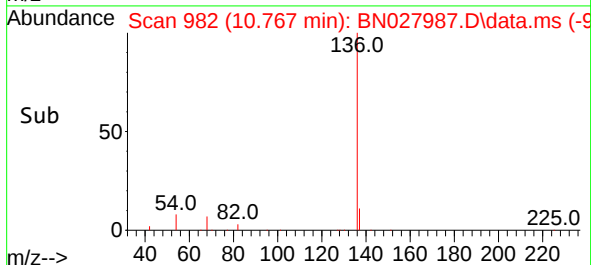
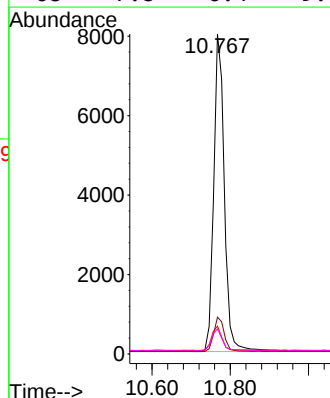
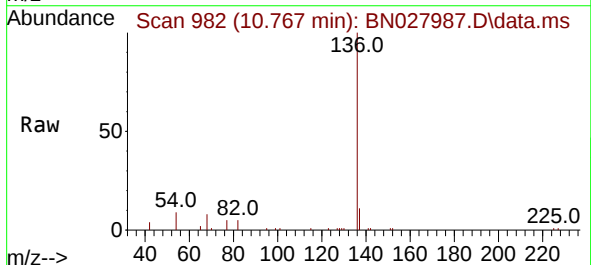
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

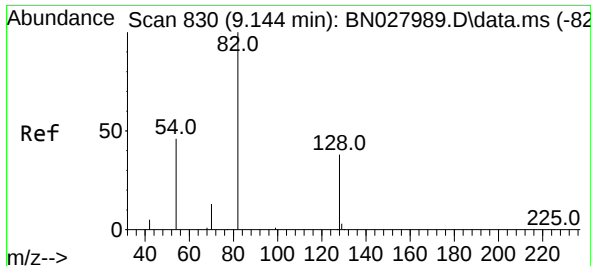
Tgt Ion: 93	Resp:	1395	
Ion	Ratio	Lower	Upper
93	100		
63	74.7	58.8	88.2
95	33.7	26.6	39.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.767 min Scan# 982
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt	Ion:136	Resp:	15035
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	8.7	7.0	10.6
68	7.8	6.4	9.6

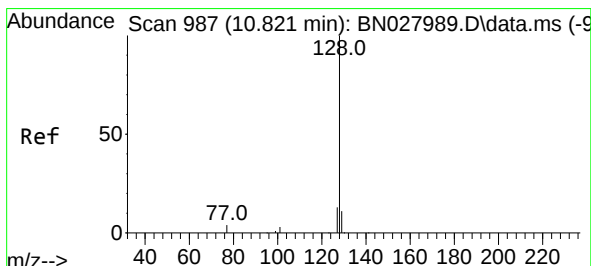
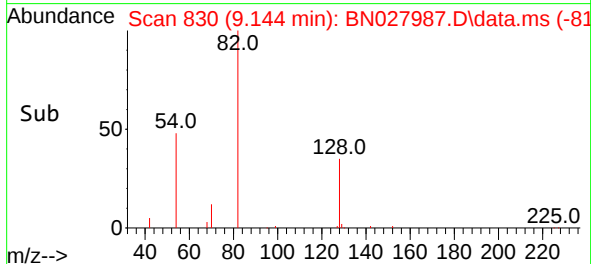
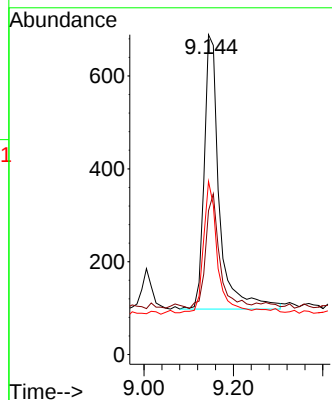
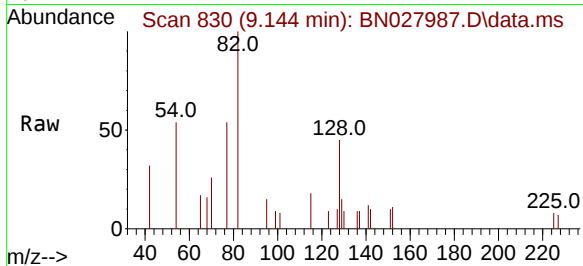




#8
Nitrobenzene-d5
Concen: 0.116 ng
RT: 9.144 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

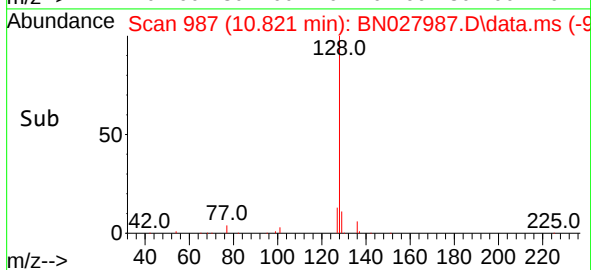
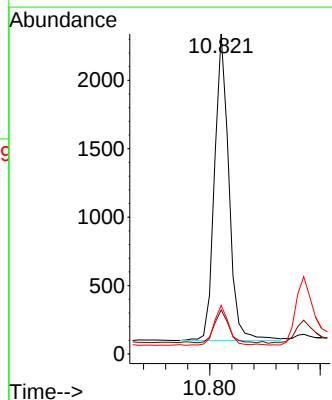
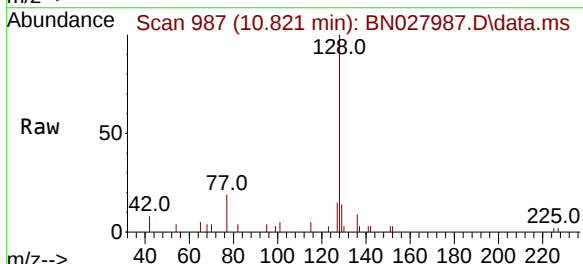
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

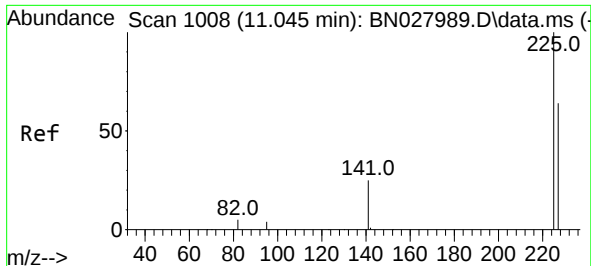
Tgt Ion: 82 Resp: 1389
Ion Ratio Lower Upper
82 100
128 45.0 32.7 49.1
54 54.1 38.7 58.1



#9
Naphthalene
Concen: 0.099 ng
RT: 10.821 min Scan# 987
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

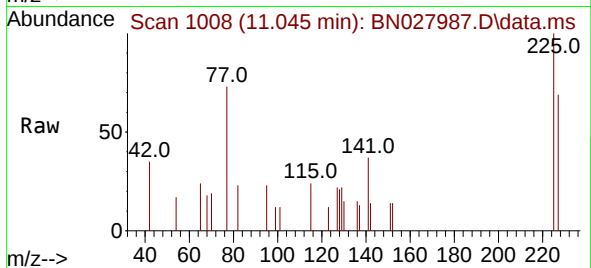
Tgt Ion: 128 Resp: 4054
Ion Ratio Lower Upper
128 100
129 13.8 9.4 14.2
127 15.1 10.9 16.3



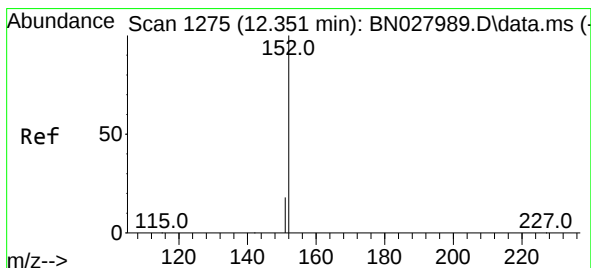
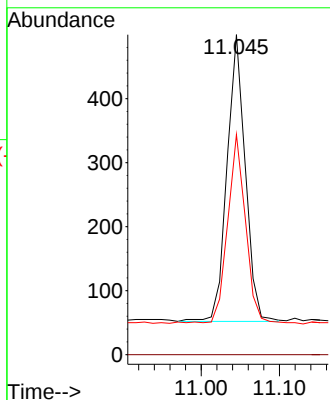
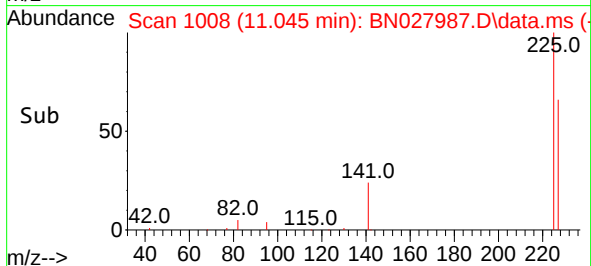


#10
Hexachlorobutadiene
Concen: 0.102 ng
RT: 11.045 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

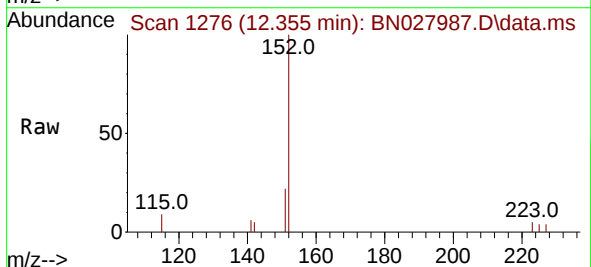
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BNA_N
ClientSampleId :
SSTDICC0.1



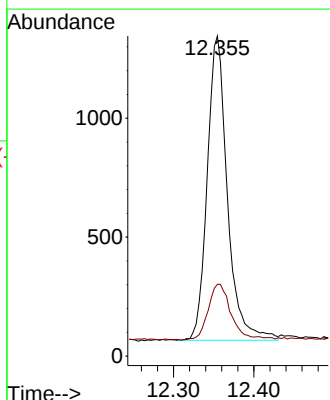
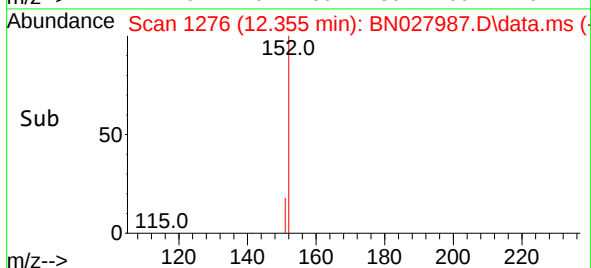
Tgt Ion:225 Resp: 724
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.4 51.3 76.9

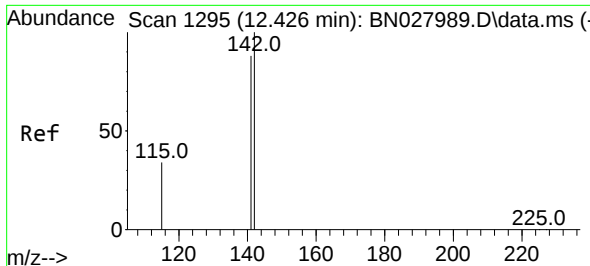


#11
2-Methylnaphthalene-d10
Concen: 0.103 ng
RT: 12.355 min Scan# 1276
Delta R.T. 0.004 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59



Tgt Ion:152 Resp: 2230
Ion Ratio Lower Upper
152 100
151 21.3 16.5 24.7

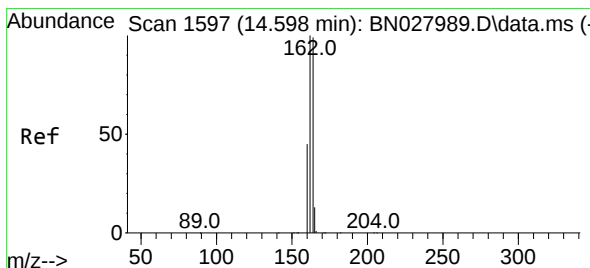
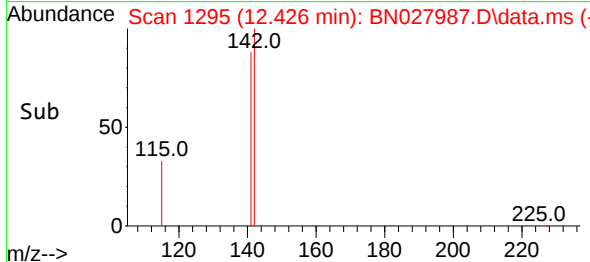
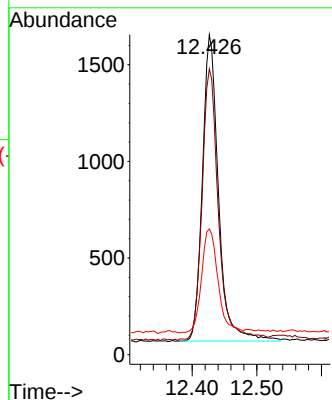
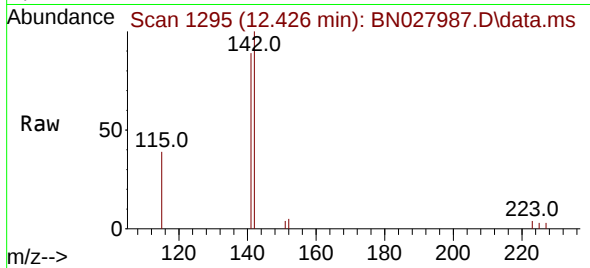




#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 12.426 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

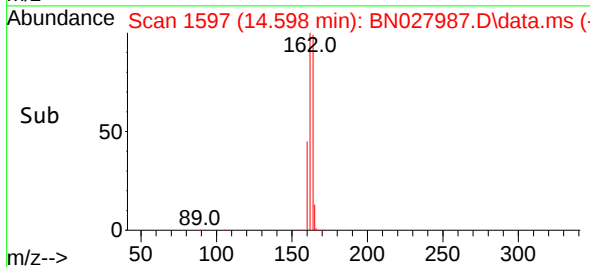
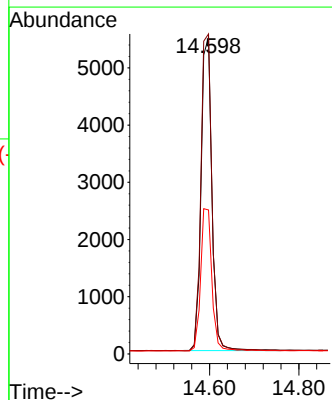
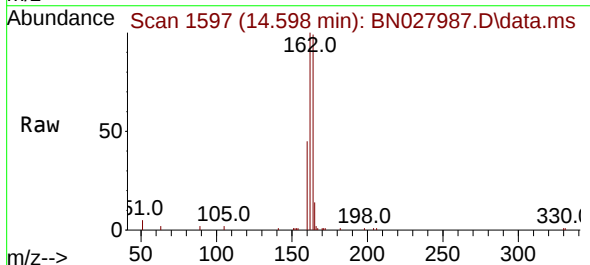
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SSTDICC0.1

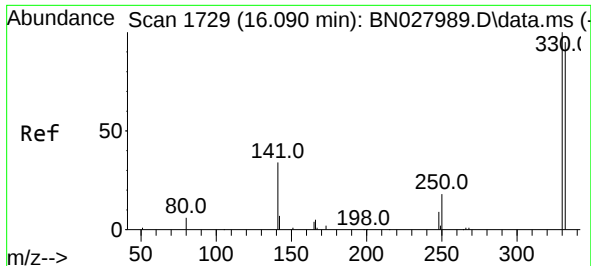
Tgt Ion:142 Resp: 2733
Ion Ratio Lower Upper
142 100
141 89.3 70.7 106.1
115 39.3 28.6 42.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.598 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion:164 Resp: 9182
Ion Ratio Lower Upper
164 100
162 101.0 80.8 121.2
160 45.5 36.4 54.6

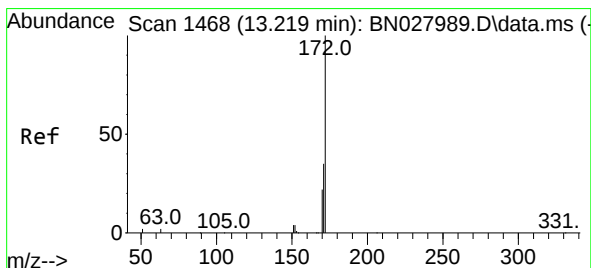
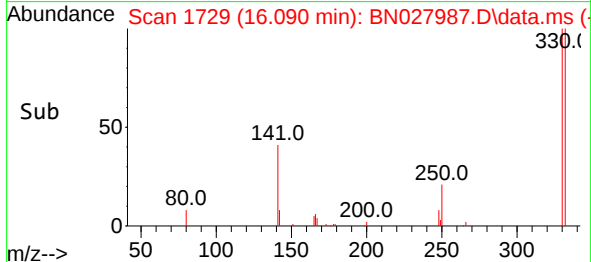
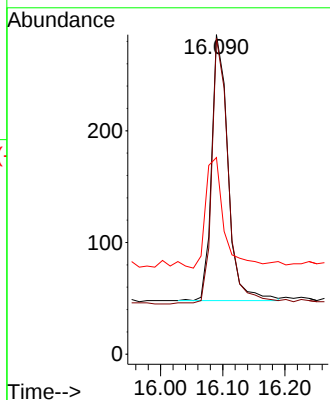
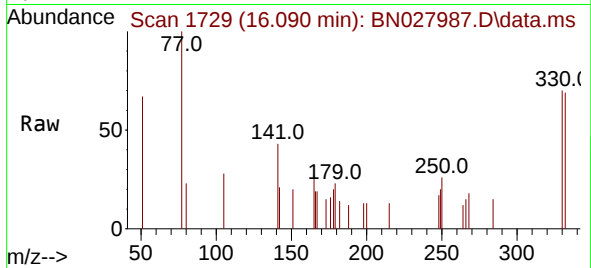




#14
2,4,6-Tribromophenol
Concen: 0.110 ng
RT: 16.090 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

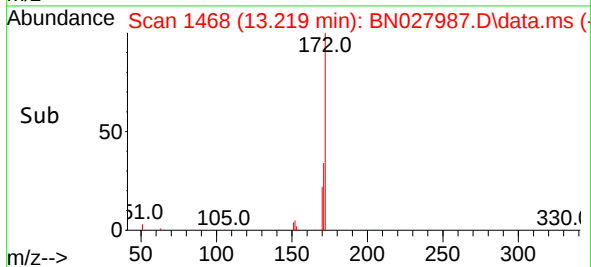
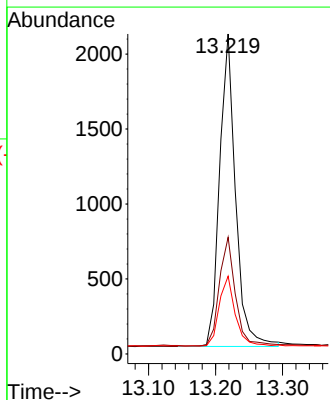
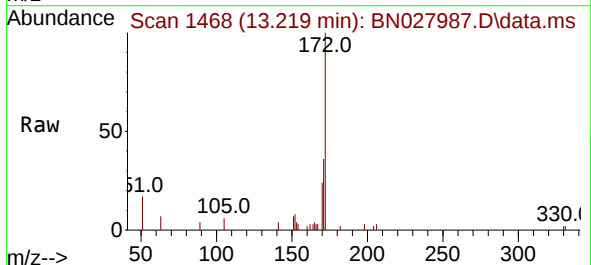
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

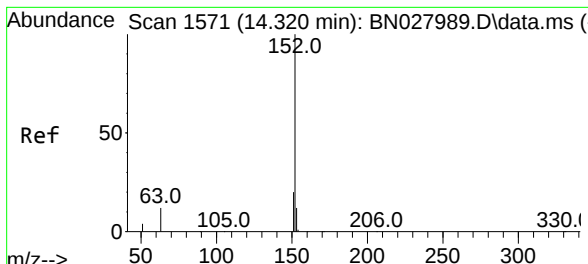
Tgt Ion:330 Resp: 436
Ion Ratio Lower Upper
330 100
332 101.1 78.1 117.1
141 46.6 33.4 50.2



#15
2-Fluorobiphenyl
Concen: 0.110 ng
RT: 13.219 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion:172 Resp: 3441
Ion Ratio Lower Upper
172 100
171 36.5 28.1 42.1
170 24.3 18.4 27.6

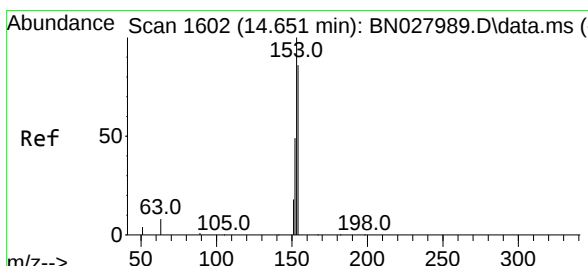
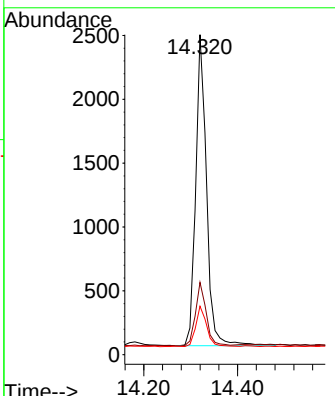
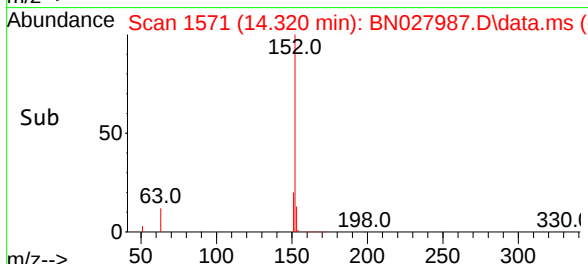
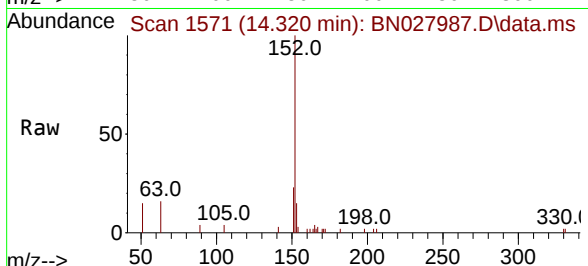




#16
 Acenaphthylene
 Concen: 0.100 ng
 RT: 14.320 min Scan# 1571
 Delta R.T. 0.000 min
 Lab File: BN027987.D
 Acq: 02 Oct 2023 14:59

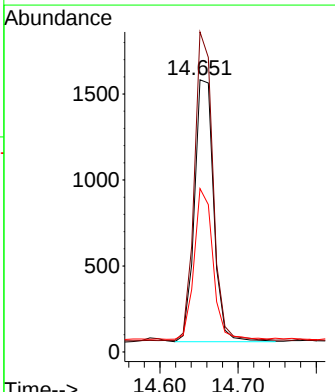
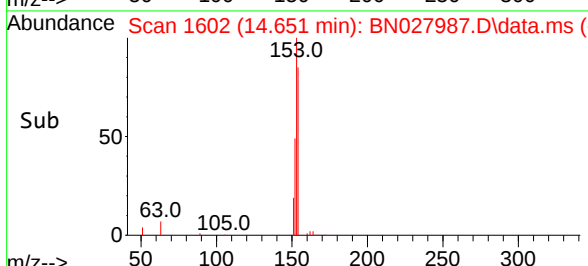
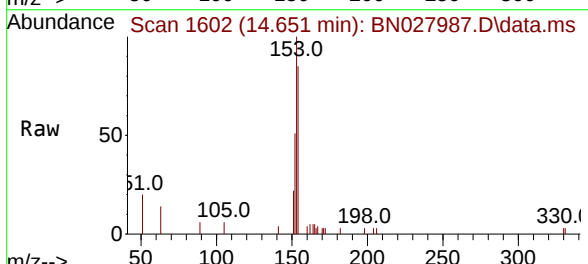
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

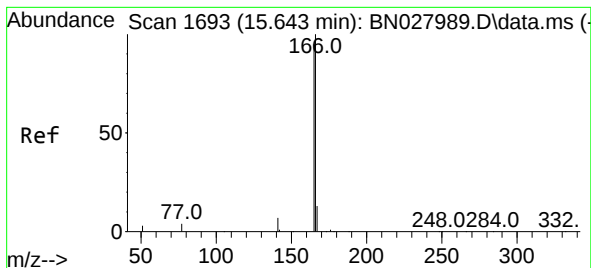
Tgt Ion:	152	Resp:	3931
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.1	10.2	15.4



#17
 Acenaphthene
 Concen: 0.096 ng
 RT: 14.651 min Scan# 1602
 Delta R.T. 0.000 min
 Lab File: BN027987.D
 Acq: 02 Oct 2023 14:59

Tgt Ion:	154	Resp:	2616
Ion	Ratio	Lower	Upper
154	100		
153	113.9	90.8	136.2
152	56.0	43.9	65.9





#18

Fluorene

Concen: 0.085 ng

RT: 15.643 min Scan# 1693

Delta R.T. 0.000 min

Lab File: BN027987.D

Acq: 02 Oct 2023 14:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

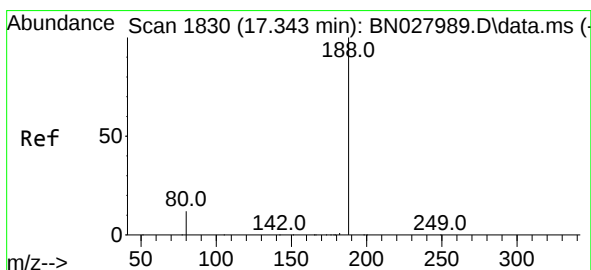
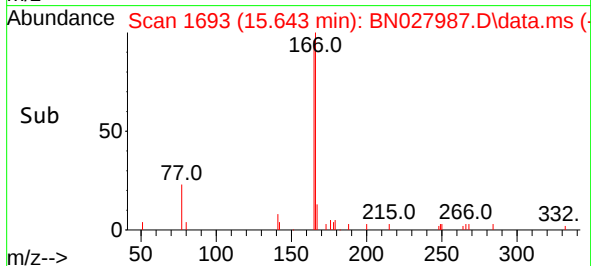
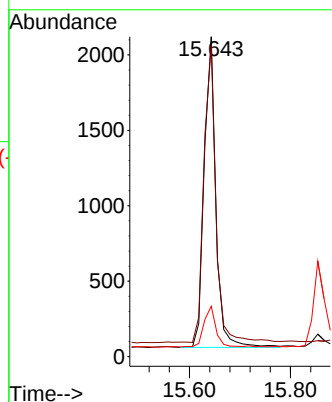
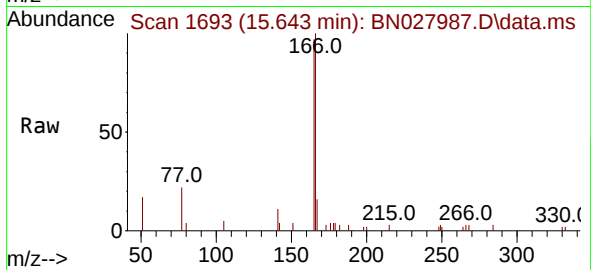
Tgt Ion:166 Resp: 3333

Ion Ratio Lower Upper

166 100

165 96.8 77.8 116.8

167 14.6 10.7 16.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.343 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BN027987.D

Acq: 02 Oct 2023 14:59

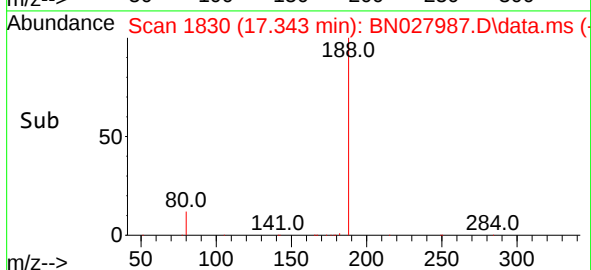
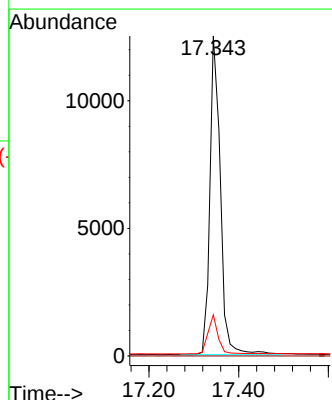
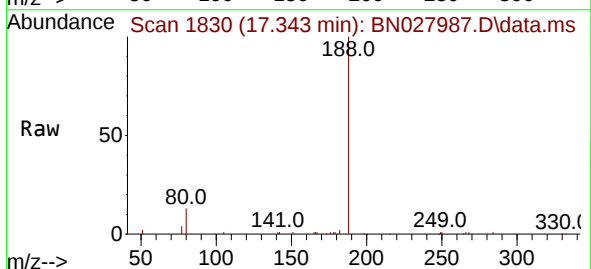
Tgt Ion:188 Resp: 20128

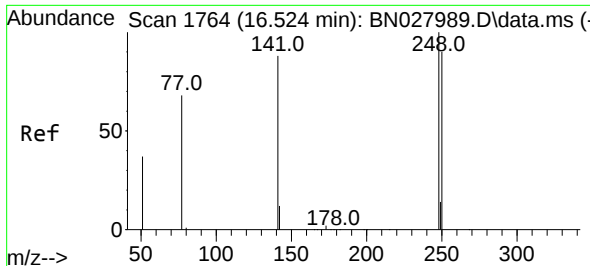
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.8 10.2 15.4

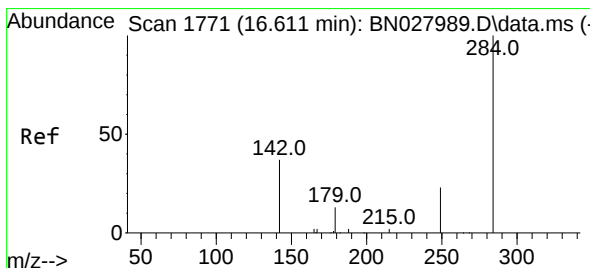
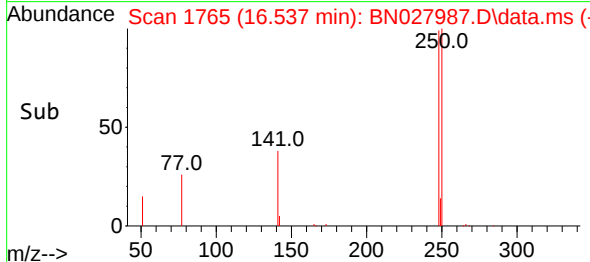
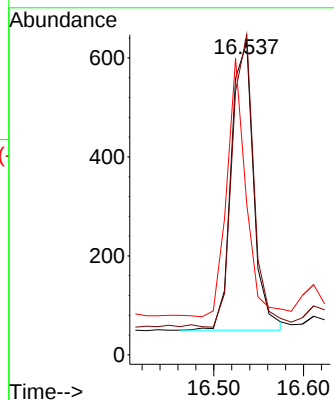
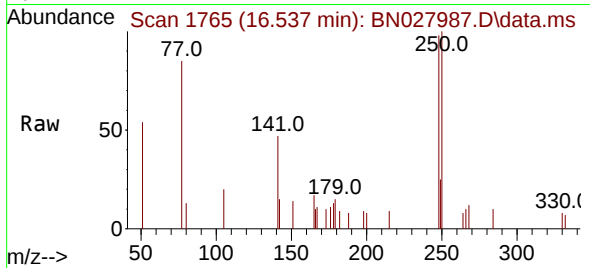




#21
4-Bromophenyl-phenylether
Concen: 0.098 ng
RT: 16.537 min Scan# 1765
Delta R.T. 0.012 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

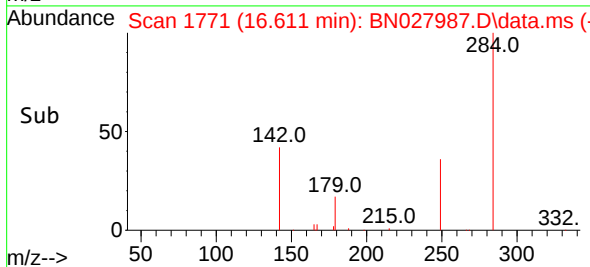
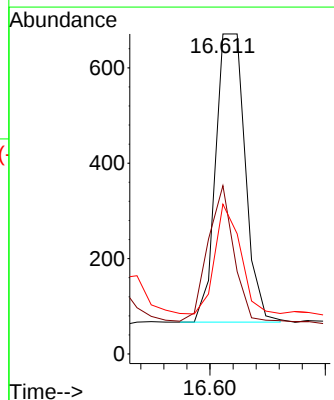
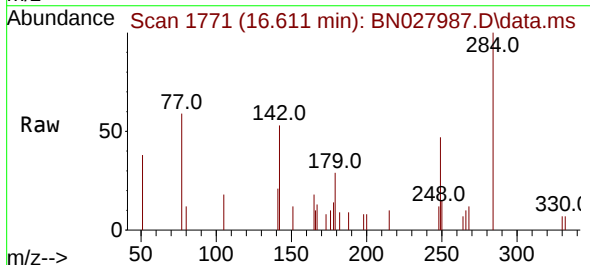
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

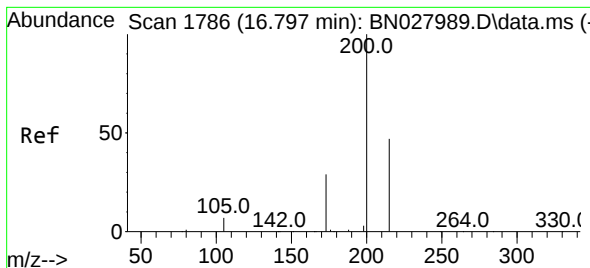
Tgt Ion:248 Resp: 1007
Ion Ratio Lower Upper
248 100
250 102.5 72.3 108.5
141 48.3 71.8 107.6#



#22
Hexachlorobenzene
Concen: 0.093 ng
RT: 16.611 min Scan# 1771
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion:284 Resp: 1075
Ion Ratio Lower Upper
284 100
142 40.7 29.9 44.9
249 32.8 25.0 37.4





#23

Atrazine

Concen: 0.117 ng

RT: 16.797 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN027987.D

Acq: 02 Oct 2023 14:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

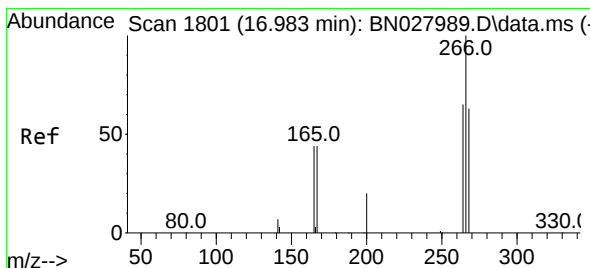
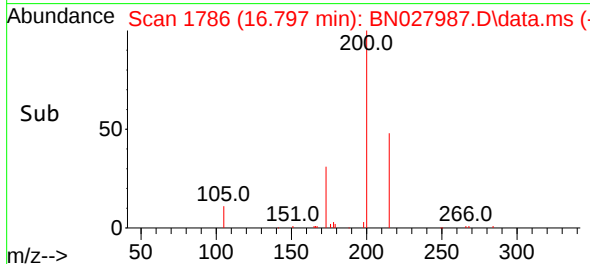
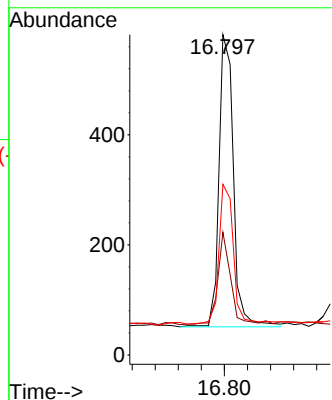
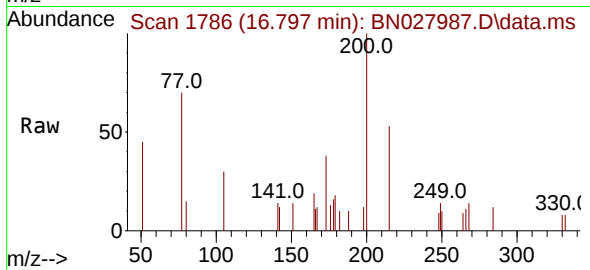
Tgt Ion:200 Resp: 919

Ion Ratio Lower Upper

200 100

173 38.3 24.7 37.1#

215 53.3 39.0 58.6



#24

Pentachlorophenol

Concen: 0.098 ng

RT: 16.984 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BN027987.D

Acq: 02 Oct 2023 14:59

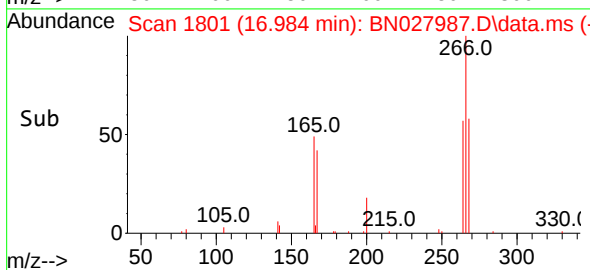
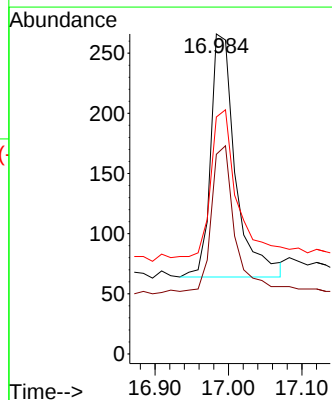
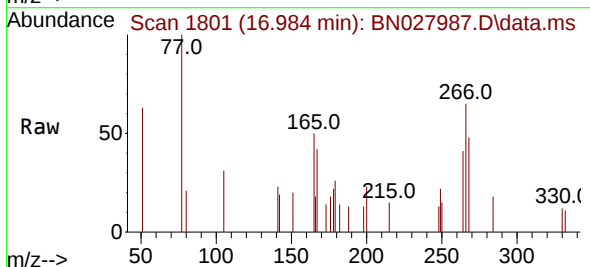
Tgt Ion:266 Resp: 476

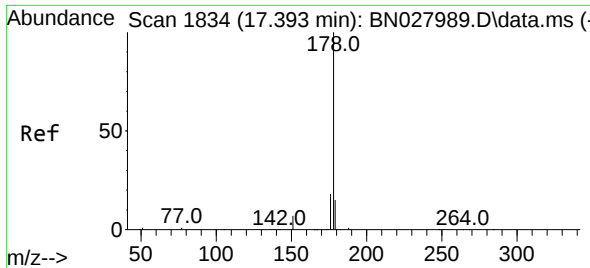
Ion Ratio Lower Upper

266 100

264 60.3 52.7 79.1

268 64.5 56.2 84.2

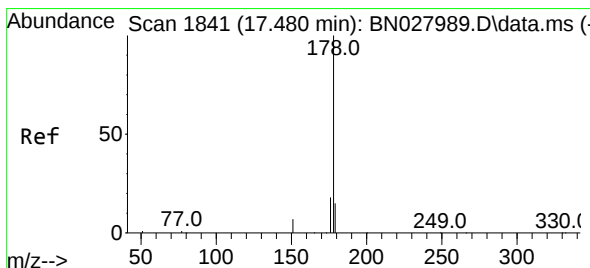
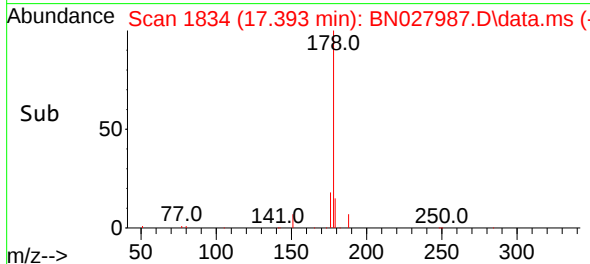
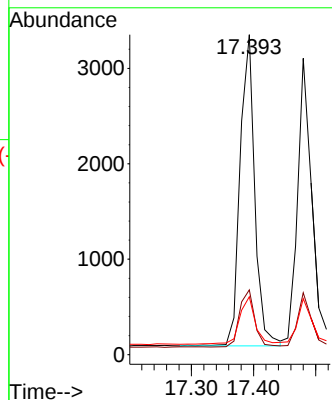
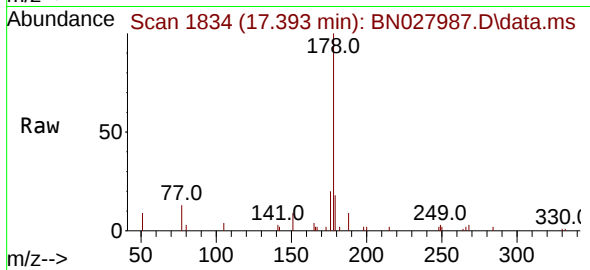




#25
Phenanthrene
Concen: 0.092 ng
RT: 17.393 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

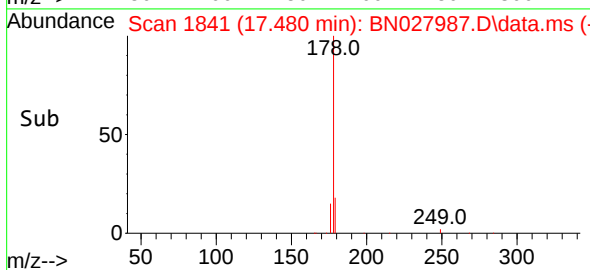
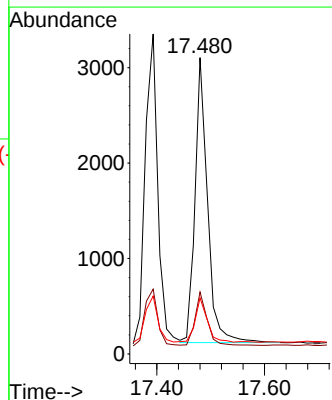
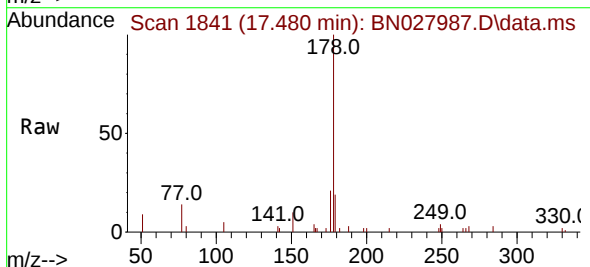
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

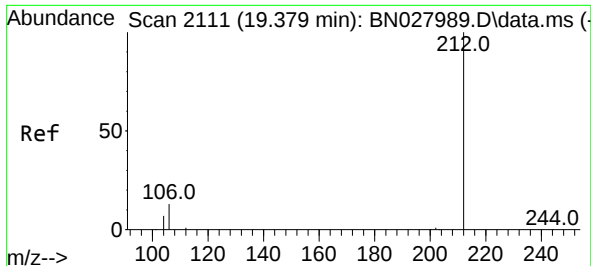
Tgt Ion:178 Resp: 5364
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.1 12.4 18.6



#26
Anthracene
Concen: 0.096 ng
RT: 17.480 min Scan# 1841
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion:178 Resp: 4853
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 15.3 12.2 18.2

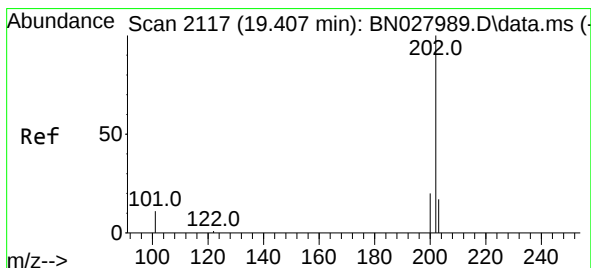
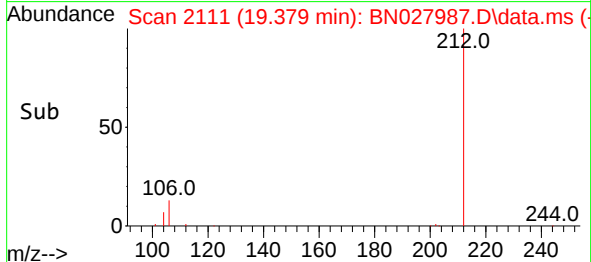
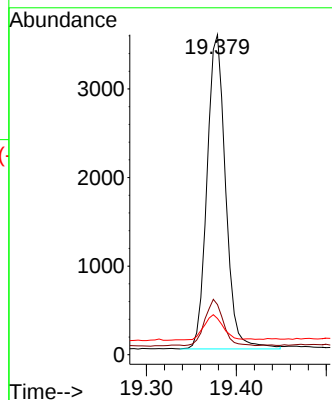
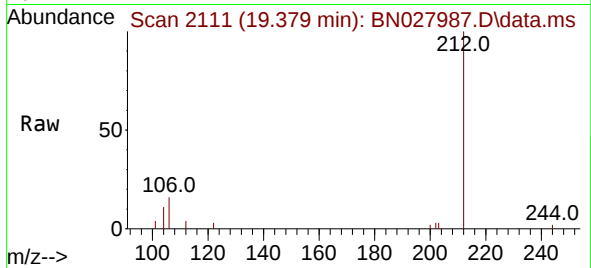




#27
Fluoranthene-d10
Concen: 0.098 ng
RT: 19.379 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

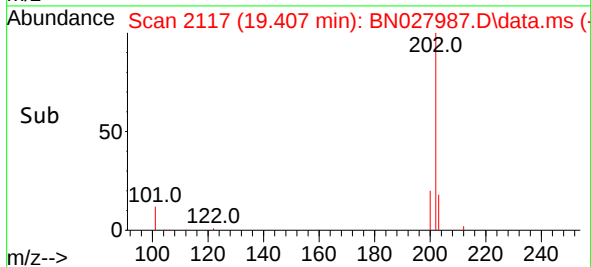
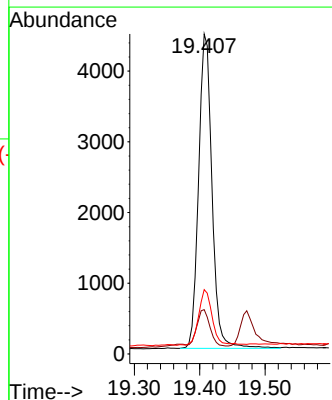
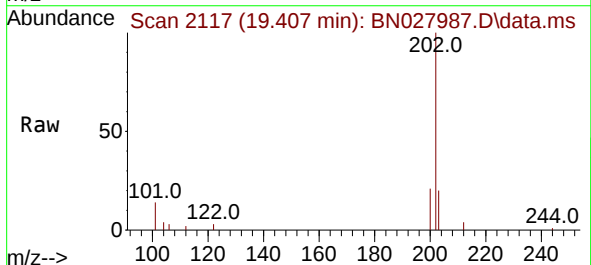
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

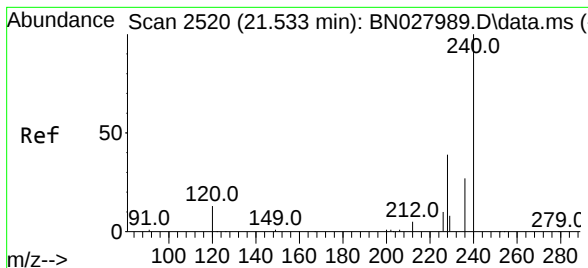
Tgt Ion:212 Resp: 5108
Ion Ratio Lower Upper
212 100
106 14.4 11.3 16.9
104 8.5 6.4 9.6



#28
Fluoranthene
Concen: 0.089 ng
RT: 19.407 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion:202 Resp: 6325
Ion Ratio Lower Upper
202 100
101 11.2 9.8 14.6
203 17.9 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.533 min Scan# 2153

Delta R.T. 0.000 min

Lab File: BN027987.D

Acq: 02 Oct 2023 14:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

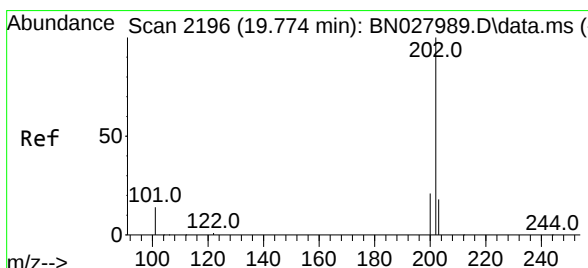
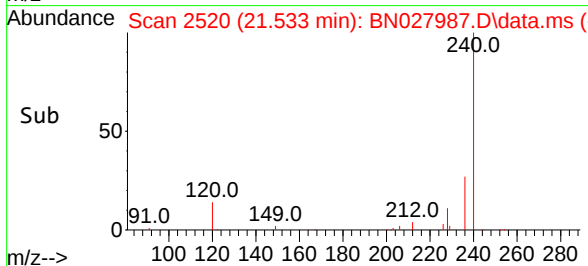
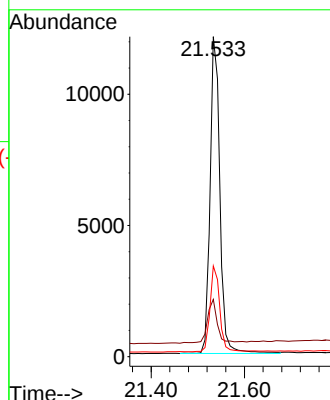
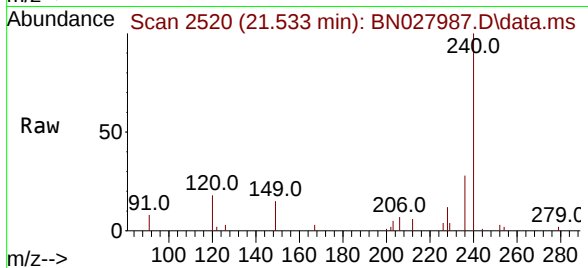
Tgt Ion:240 Resp: 17647

Ion Ratio Lower Upper

240 100

120 17.9 13.8 20.6

236 28.4 22.6 33.8



#30

Pyrene

Concen: 0.106 ng

RT: 19.774 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BN027987.D

Acq: 02 Oct 2023 14:59

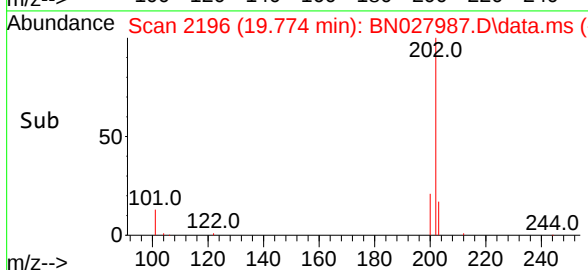
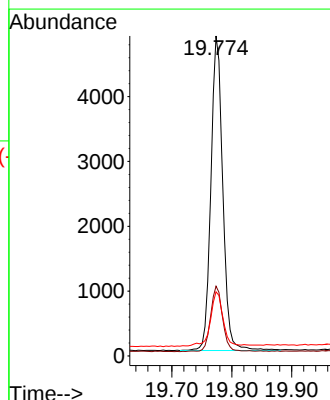
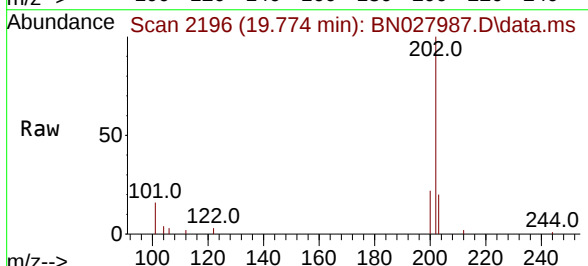
Tgt Ion:202 Resp: 6679

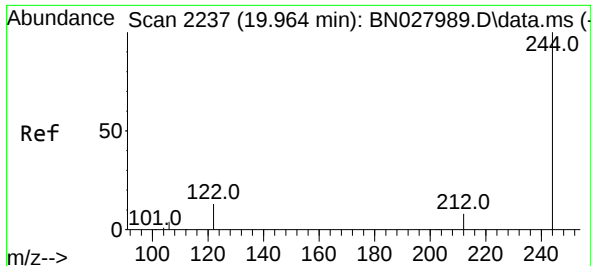
Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 18.5 14.7 22.1

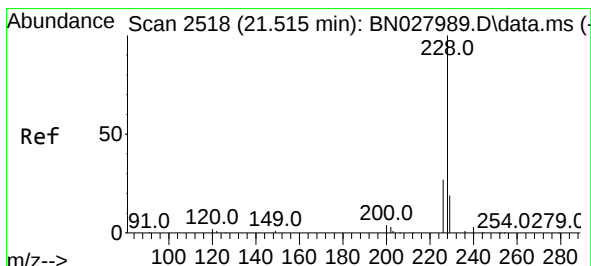
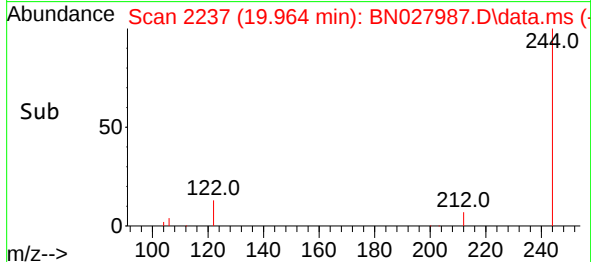
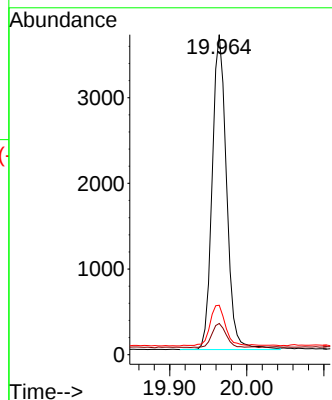
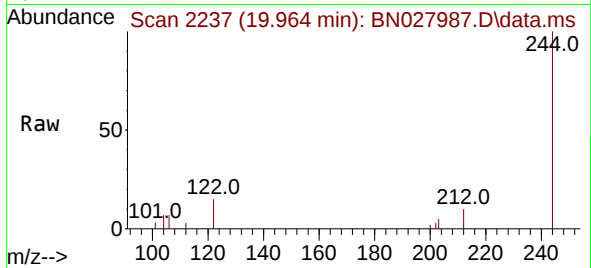




#31
 Terphenyl-d14
 Concen: 0.137 ng
 RT: 19.964 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN027987.D
 Acq: 02 Oct 2023 14:59

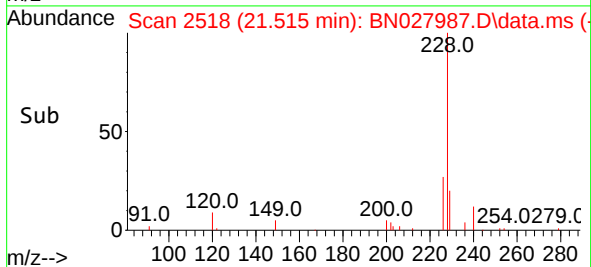
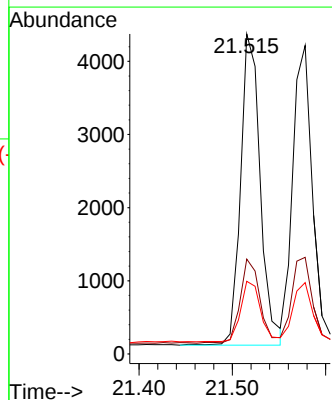
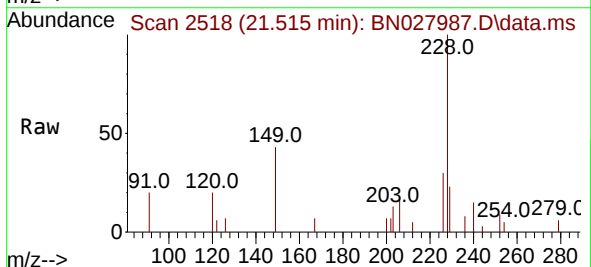
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

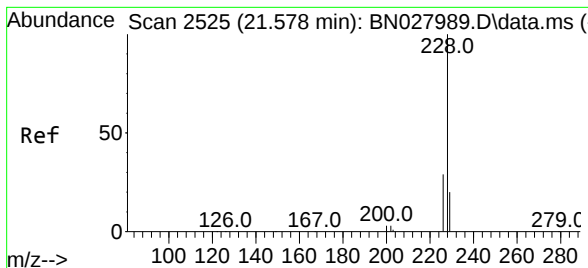
Tgt Ion:244 Resp: 4760
 Ion Ratio Lower Upper
 244 100
 212 9.7 6.6 9.8
 122 15.4 11.4 17.0



#32
 Benzo(a)anthracene
 Concen: 0.102 ng
 RT: 21.515 min Scan# 2518
 Delta R.T. 0.000 min
 Lab File: BN027987.D
 Acq: 02 Oct 2023 14:59

Tgt Ion:228 Resp: 6249
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.0 33.0
 229 22.7 16.0 24.0





#33

Chrysene

Concen: 0.091 ng

RT: 21.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027987.D

Acq: 02 Oct 2023 14:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

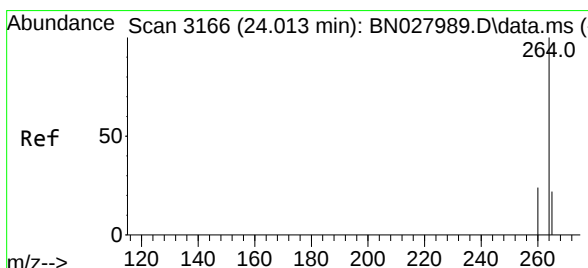
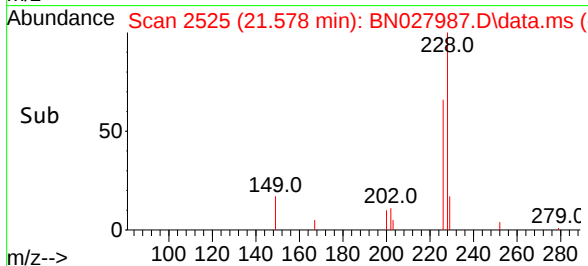
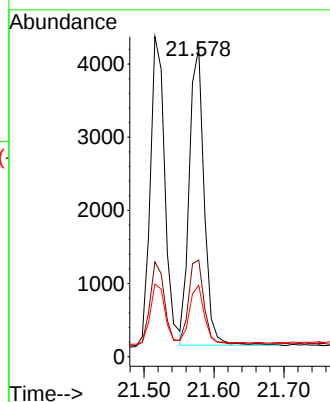
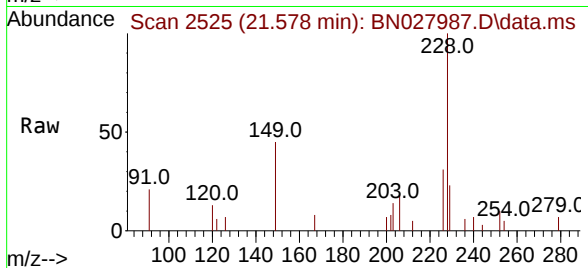
Tgt Ion:228 Resp: 5979

Ion Ratio Lower Upper

228 100

226 31.3 23.8 35.8

229 23.1 16.6 25.0



#35

Perylene-d12

Concen: 0.400 ng

RT: 24.013 min Scan# 3166

Delta R.T. 0.000 min

Lab File: BN027987.D

Acq: 02 Oct 2023 14:59

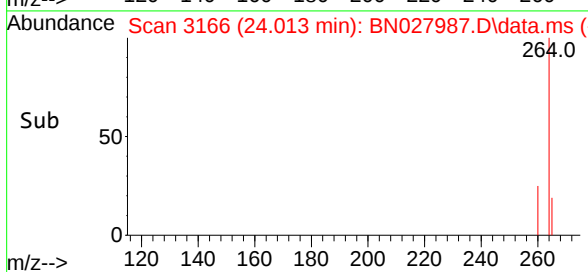
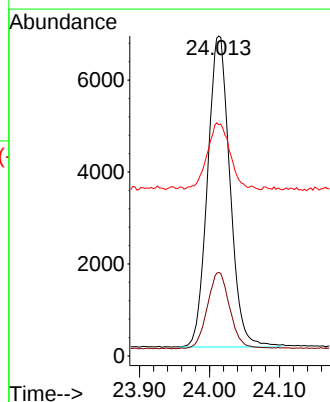
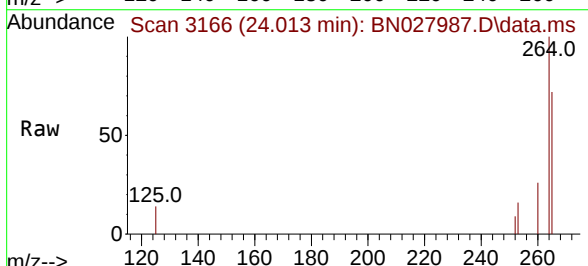
Tgt Ion:264 Resp: 15024

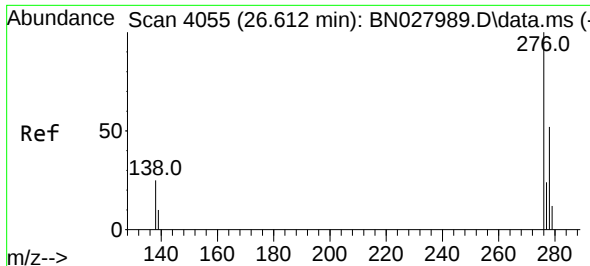
Ion Ratio Lower Upper

264 100

260 26.1 20.2 30.4

265 72.3 54.8 82.2

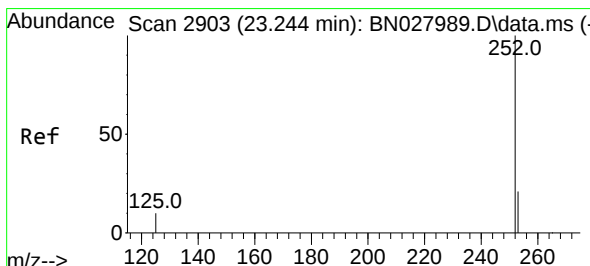
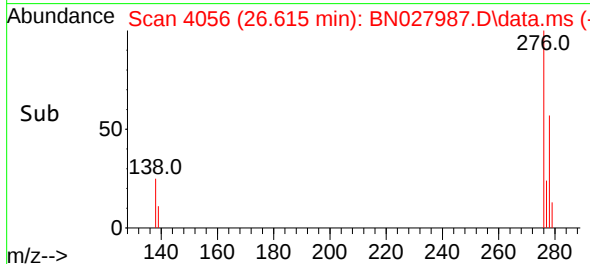
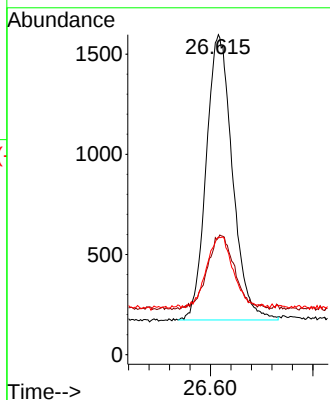
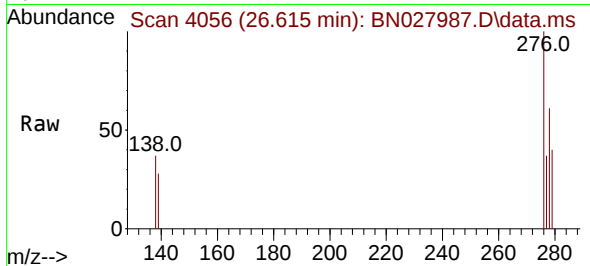




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.082 ng
RT: 26.615 min Scan# 4055
Delta R.T. 0.003 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

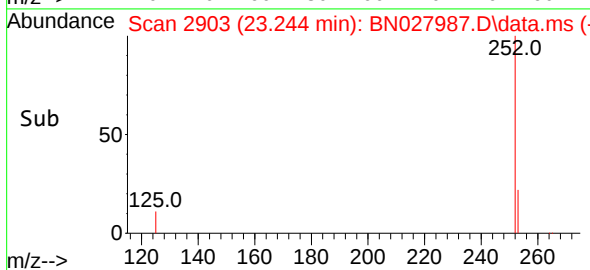
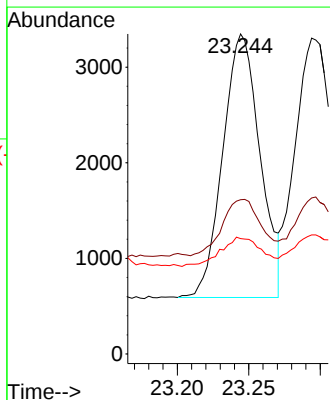
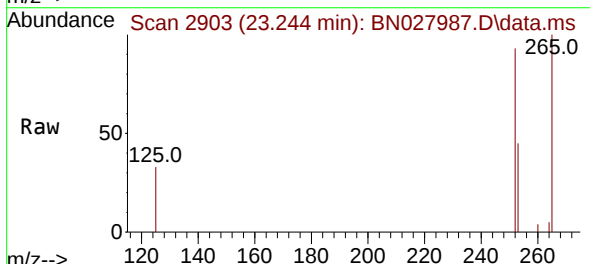
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

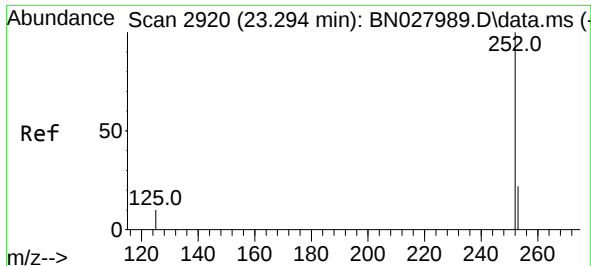
Tgt Ion:276 Resp: 5063
Ion Ratio Lower Upper
276 100
138 27.1 20.9 31.3
277 25.1 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 0.086 ng
RT: 23.244 min Scan# 2903
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion:252 Resp: 5011
Ion Ratio Lower Upper
252 100
253 48.2 22.9 34.3#
125 36.1 13.8 20.8#

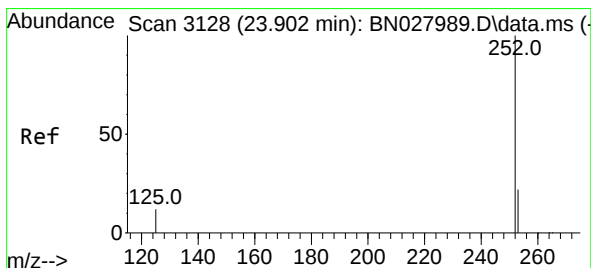
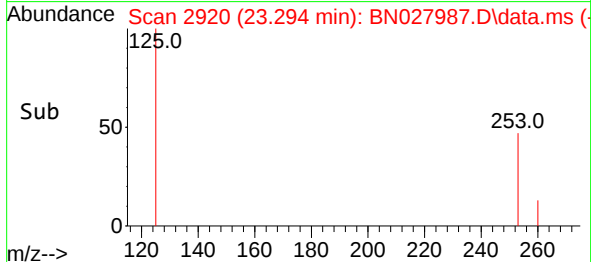
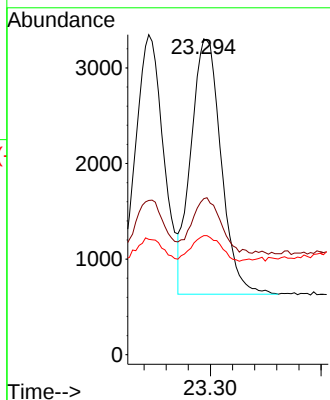
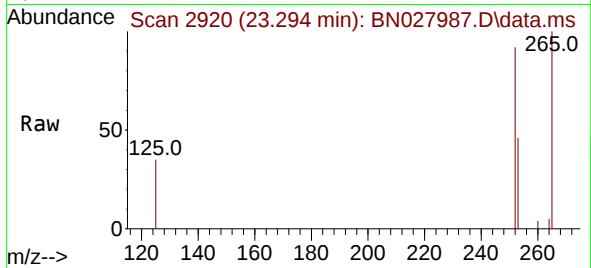




#38
Benzo(k)fluoranthene
Concen: 0.086 ng
RT: 23.294 min Scan# 2920
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

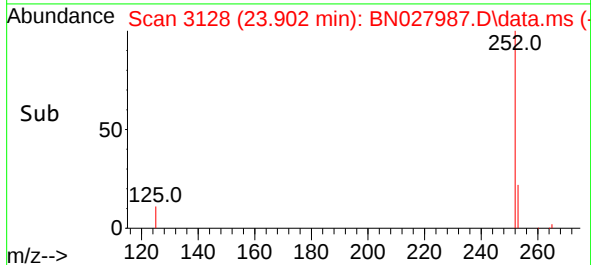
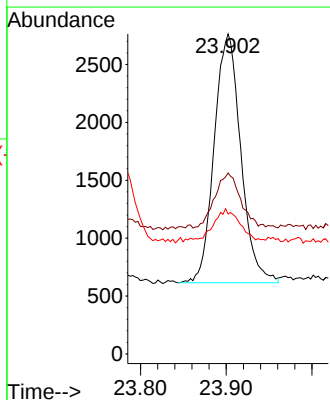
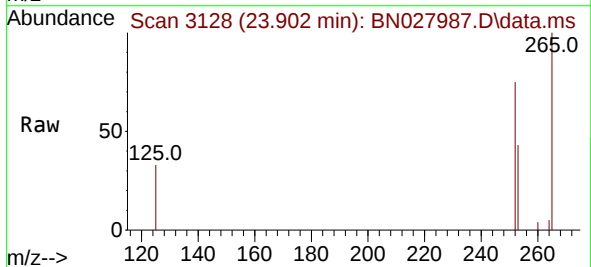
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

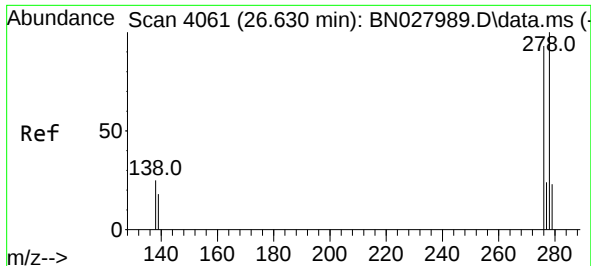
Tgt Ion:252 Resp: 5055
Ion Ratio Lower Upper
252 100
253 49.4 23.1 34.7#
125 37.7 13.8 20.8#



#39
Benzo(a)pyrene
Concen: 0.088 ng
RT: 23.902 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion:252 Resp: 4640
Ion Ratio Lower Upper
252 100
253 56.5 25.0 37.4#
125 43.7 16.6 24.8#

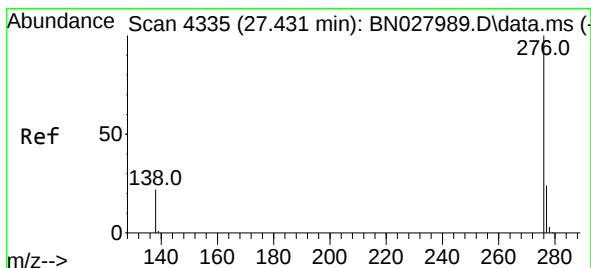
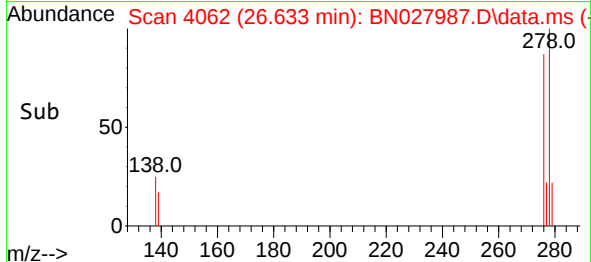
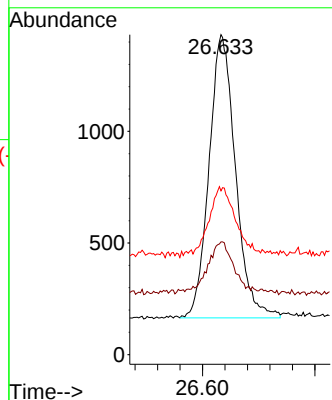
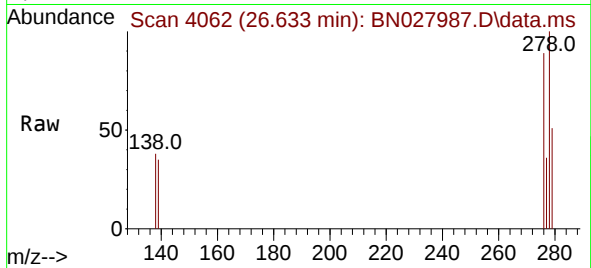




#40
Dibenzo(a,h)anthracene
Concen: 0.082 ng
RT: 26.633 min Scan# 4061
Delta R.T. 0.003 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 4139
Ion Ratio Lower Upper
278 100
139 35.2 17.7 26.5#
279 51.2 25.2 37.8#



#41
Benzo(g,h,i)perylene
Concen: 0.078 ng
RT: 27.431 min Scan# 4335
Delta R.T. 0.000 min
Lab File: BN027987.D
Acq: 02 Oct 2023 14:59

Tgt Ion:276 Resp: 4292
Ion Ratio Lower Upper
276 100
277 38.4 22.1 33.1#
138 37.5 20.8 31.2#

