

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028226.D
 Acq On : 11 Oct 2023 09:34
 Operator : MA/JU
 Sample : 04767-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Oct 11 10:57:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

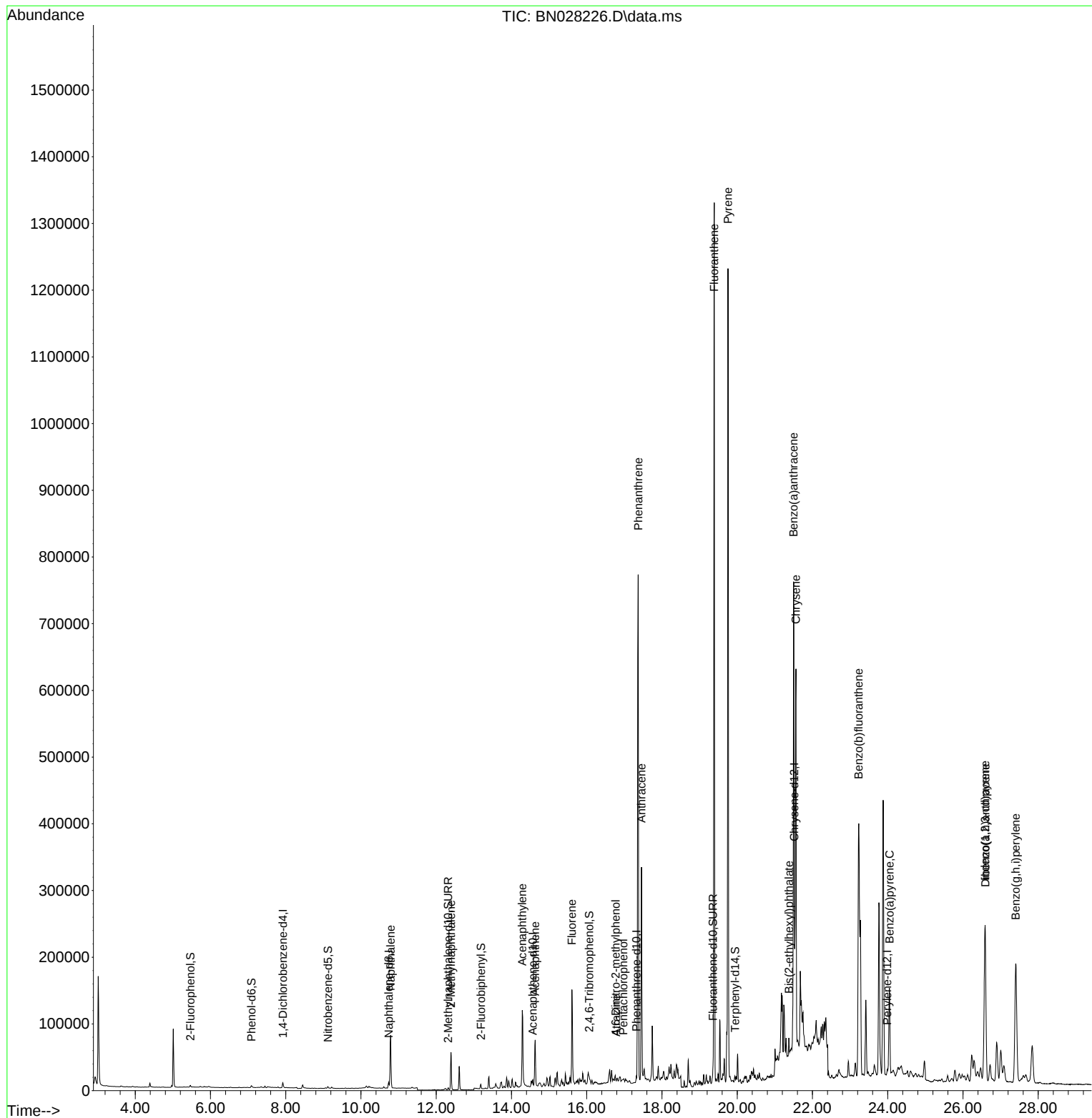
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	3637	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11503	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	6437	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12346	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	11706	0.400	ng	# 0.00
35) Perylene-d12	23.990	264	14884	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2406	0.222	ng	0.00
5) Phenol-d6	7.091	99	3171	0.232	ng	0.00
8) Nitrobenzene-d5	9.123	82	2687	0.274	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	4245	0.249	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	352	0.119	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	5944	0.256	ng	0.00
27) Fluoranthene-d10	19.356	212	8103	0.261	ng	0.00
31) Terphenyl-d14	19.941	244	7679	0.281	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.789	128	105864	3.562	ng	98
12) 2-Methylnaphthalene	12.392	142	39577	1.904	ng	99
16) Acenaphthylene	14.288	152	166171	5.827	ng	99
17) Acenaphthene	14.630	154	39042	2.148	ng	99
18) Fluorene	15.606	166	117438	4.974	ng	93
20) 4,6-Dinitro-2-methylph...	16.773	198	212	1.292	ng	# 84
23) Atrazine	16.785	200	122	0.022	ng	# 1
24) Pentachlorophenol	16.971	266	89	0.028	ng	# 72
25) Phenanthrene	17.368	178	850328	25.547	ng	99
26) Anthracene	17.455	178	311704	9.908	ng	97
28) Fluoranthene	19.388	202	1177268	30.648	ng	98
30) Pyrene	19.755	202	1096507	25.545	ng	99
32) Benzo(a)anthracene	21.498	228	655863	16.465	ng	98
33) Chrysene	21.560	228	557965	14.535	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	23191	0.885	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.589	276	415208	8.293	ng	97
37) Benzo(b)fluoranthene	23.230	252	773201	16.085	ng	# 90
39) Benzo(a)pyrene	24.045	252	163460	3.596	ng	95
40) Dibenzo(a,h)anthracene	26.595	278	112055	2.736	ng	# 92
41) Benzo(g,h,i)perylene	27.402	276	414164	9.852	ng	96

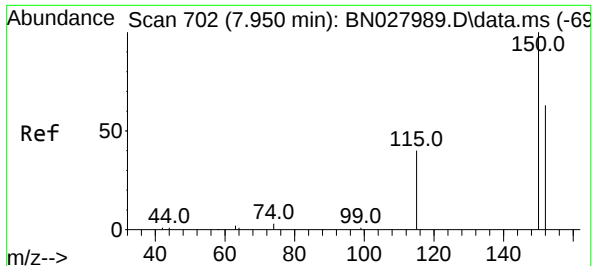
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028226.D
Acq On : 11 Oct 2023 09:34
Operator : MA/JU
Sample : 04767-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Oct 11 10:57:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration

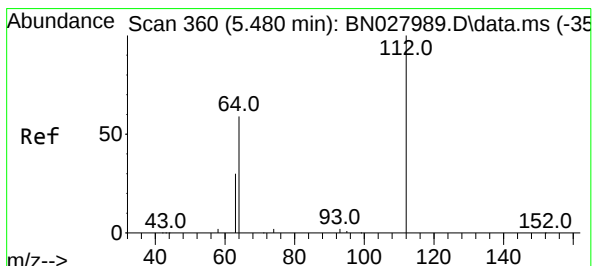
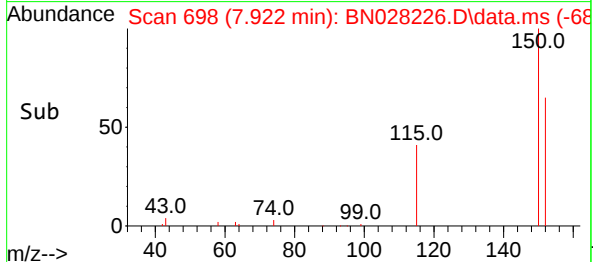
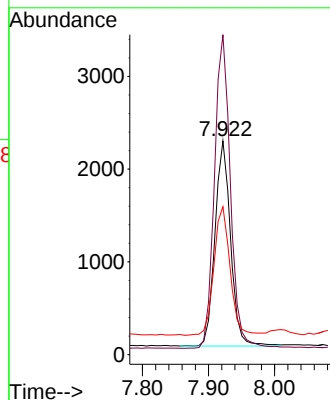
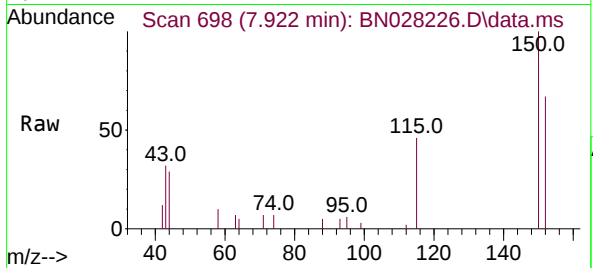




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

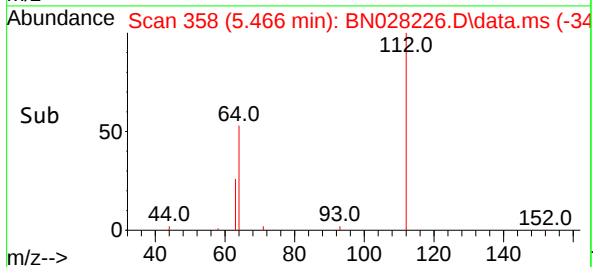
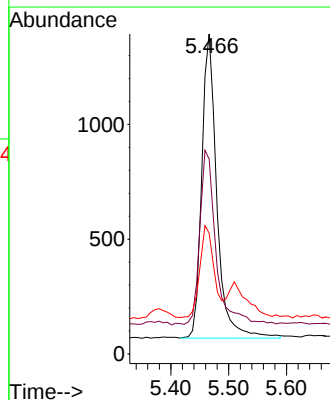
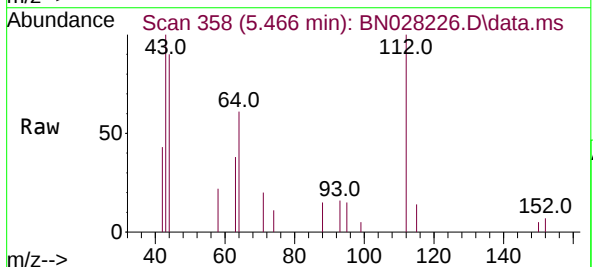
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)

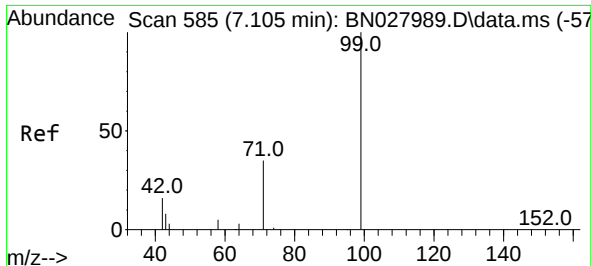
Tgt Ion:152 Resp: 3637
Ion Ratio Lower Upper
152 100
150 149.7 125.6 188.4
115 69.2 54.8 82.2



#4
2-Fluorophenol
Concen: 0.222 ng
RT: 5.466 min Scan# 358
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

Tgt Ion:112 Resp: 2406
Ion Ratio Lower Upper
112 100
64 60.1 45.0 67.6
63 28.1 23.4 35.0

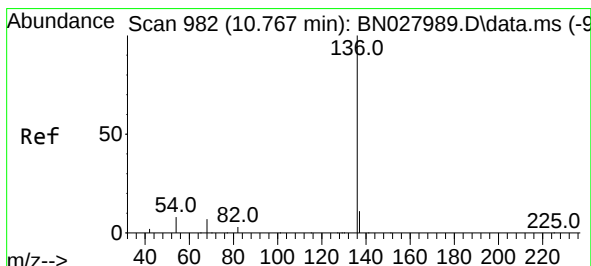
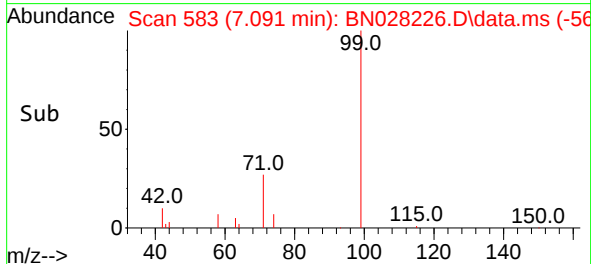
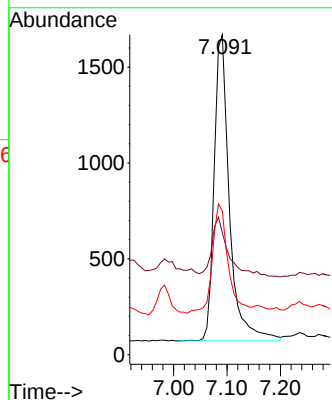
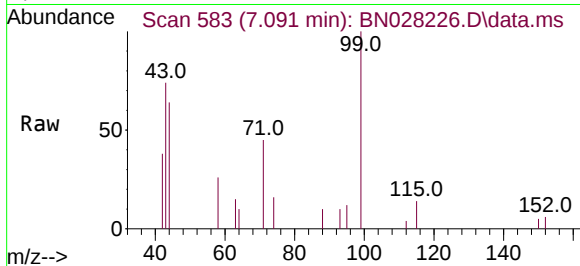




#5
Phenol-d6
Concen: 0.232 ng
RT: 7.091 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

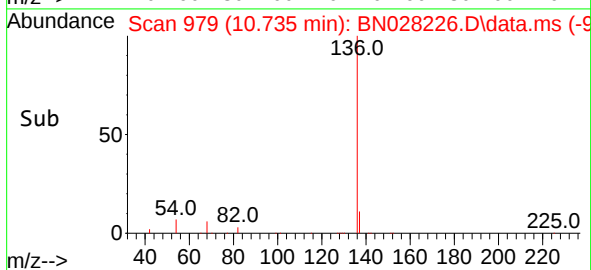
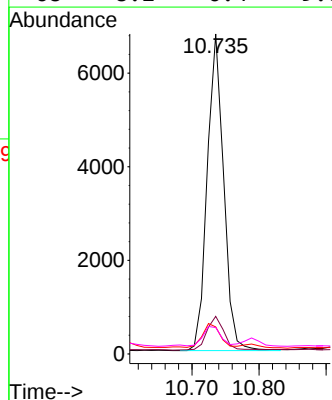
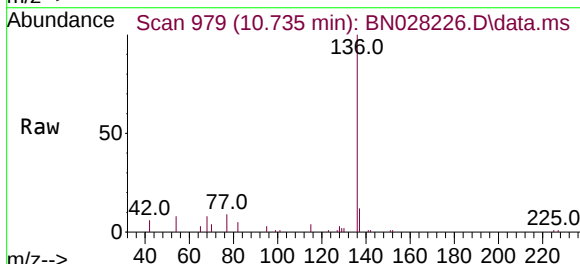
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)

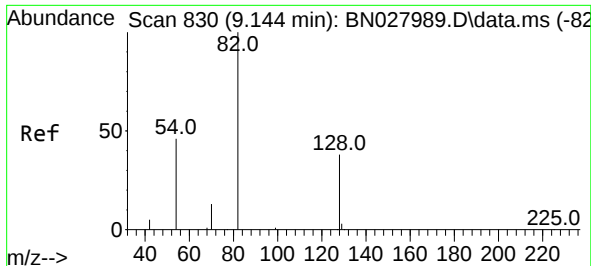
Tgt Ion:	99	Resp:	3171
Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.6	22.0
71	36.6	28.3	42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

Tgt Ion:	136	Resp:	11503
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	8.4	7.0	10.6
68	8.2	6.4	9.6

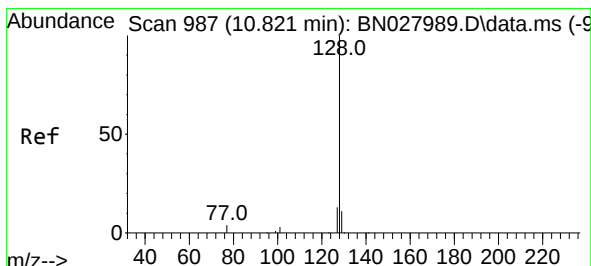
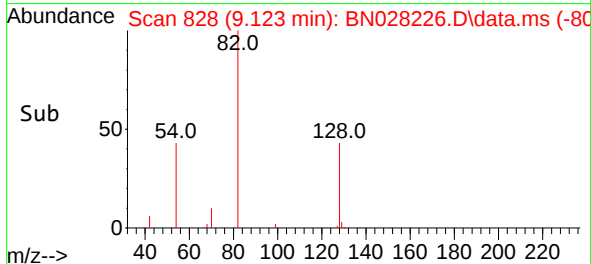
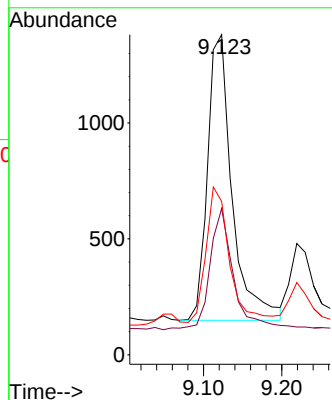
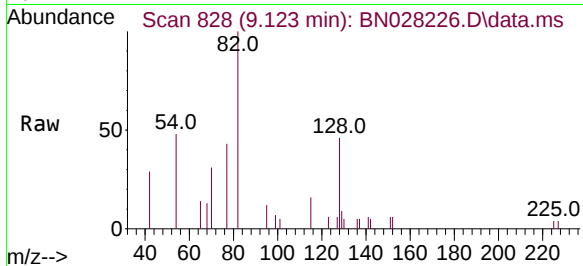




#8
Nitrobenzene-d5
Concen: 0.274 ng
RT: 9.123 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

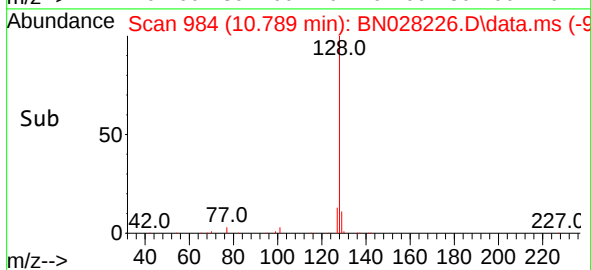
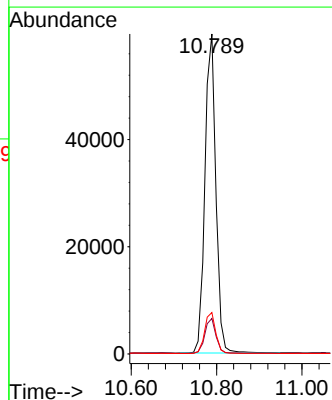
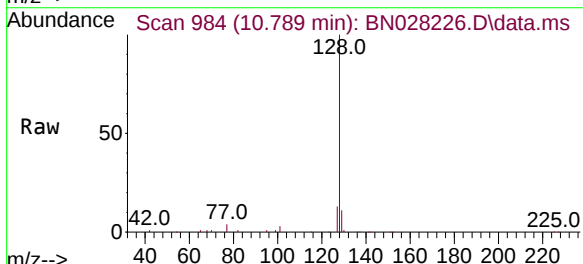
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)

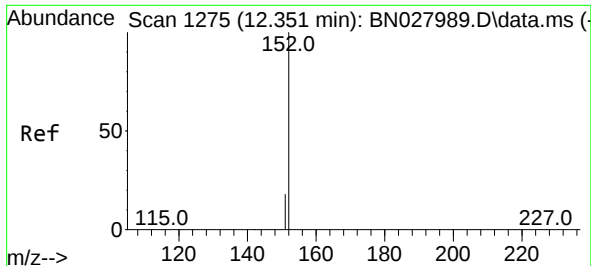
Tgt Ion: 82 Resp: 2687
Ion Ratio Lower Upper
82 100
128 45.7 32.7 49.1
54 47.9 38.7 58.1



#9
Naphthalene
Concen: 3.562 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

Tgt Ion: 128 Resp: 105864
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3





#11

2-Methylnaphthalene-d10

Concen: 0.249 ng

RT: 12.317 min Scan# 11

Delta R.T. -0.008 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Instrument :

BNA_N

ClientSampleId :

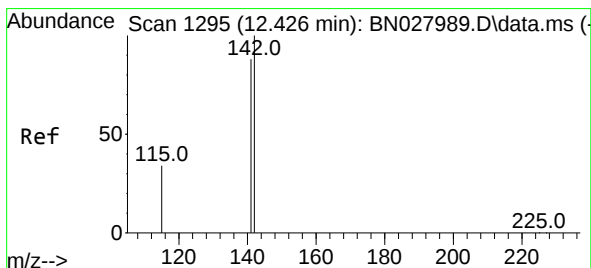
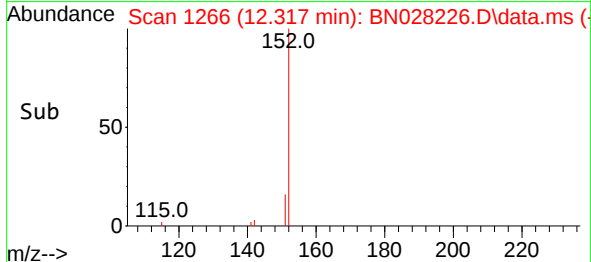
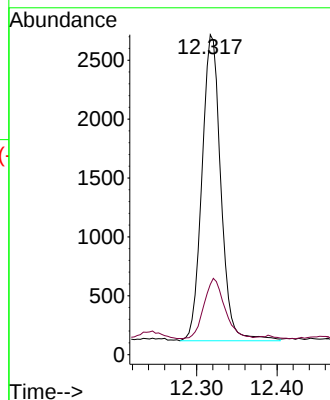
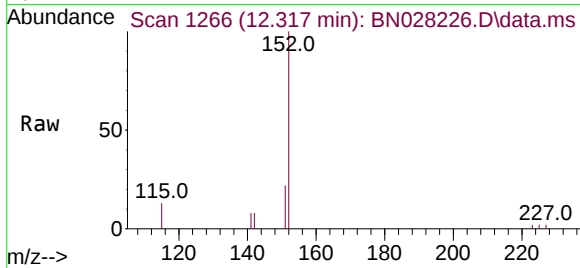
C-1(0-5)

Tgt Ion:152 Resp: 4245

Ion Ratio Lower Upper

152 100

151 21.6 16.5 24.7



#12

2-Methylnaphthalene

Concen: 1.904 ng

RT: 12.392 min Scan# 1286

Delta R.T. -0.008 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

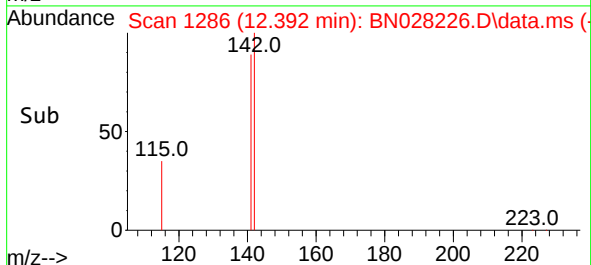
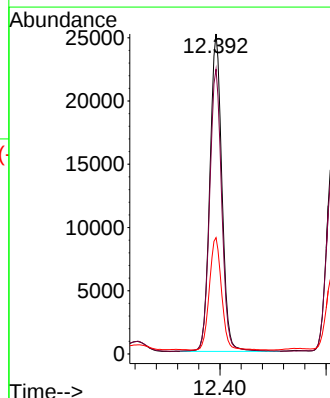
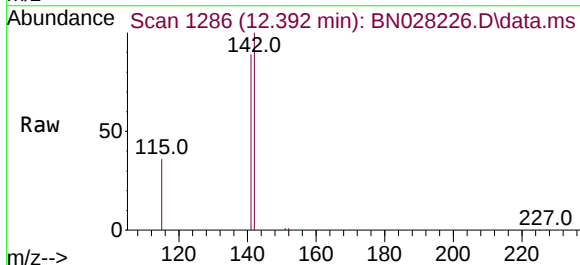
Tgt Ion:142 Resp: 39577

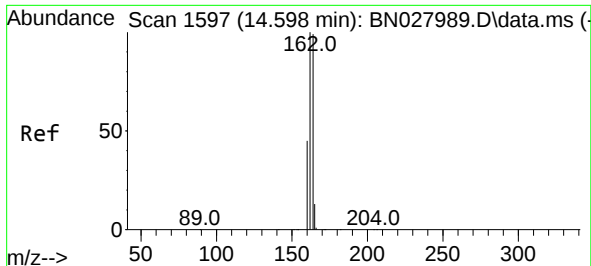
Ion Ratio Lower Upper

142 100

141 89.0 70.7 106.1

115 36.4 28.6 42.8

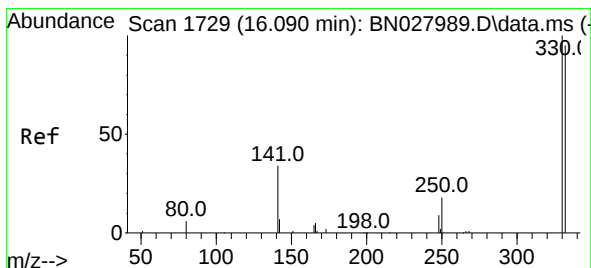
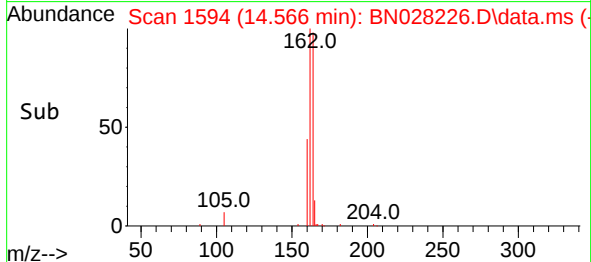
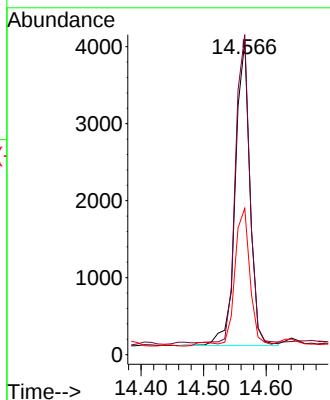
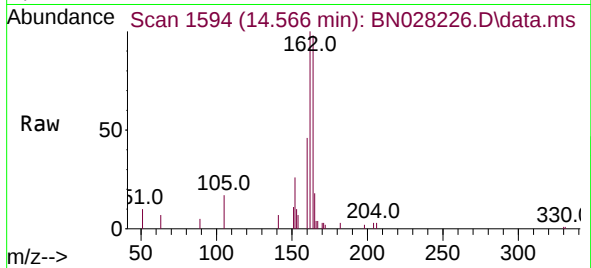




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

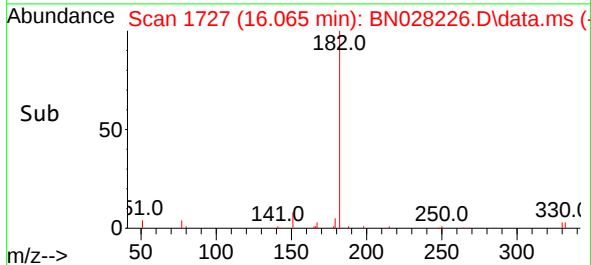
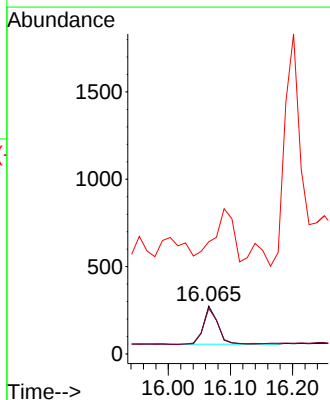
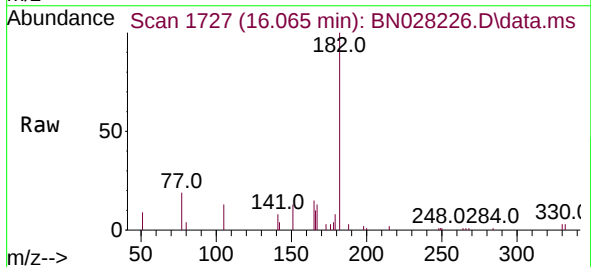
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)

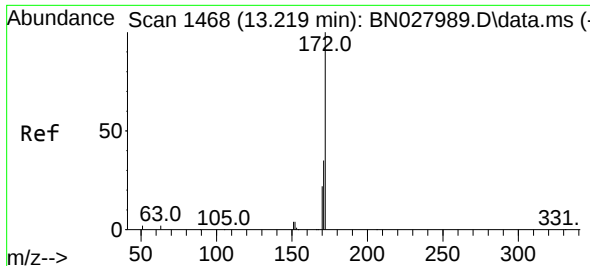
Tgt Ion:164 Resp: 6437
Ion Ratio Lower Upper
164 100
162 102.0 80.8 121.2
160 46.7 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.119 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

Tgt Ion:330 Resp: 352
Ion Ratio Lower Upper
330 100
332 98.0 78.1 117.1
141 0.0 33.4 50.2#

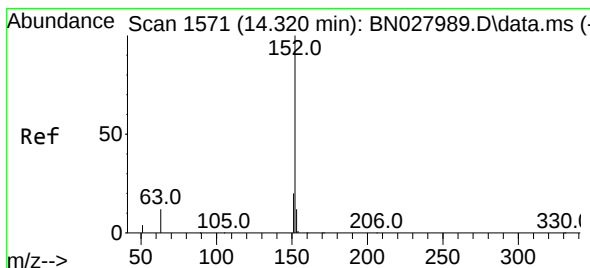
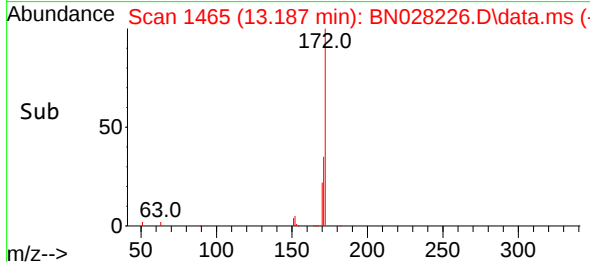
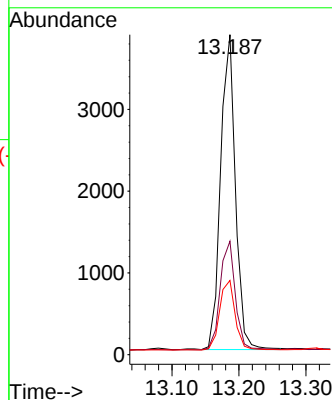
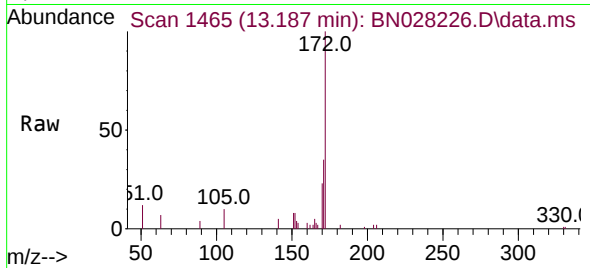




#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

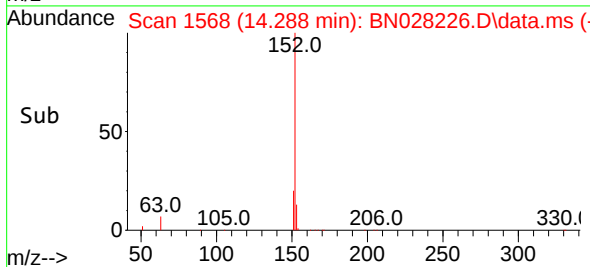
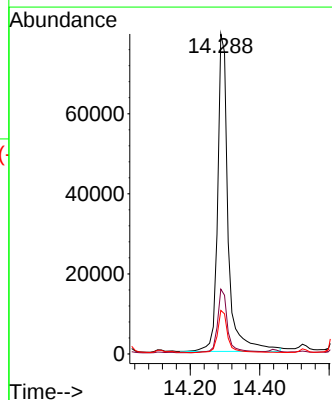
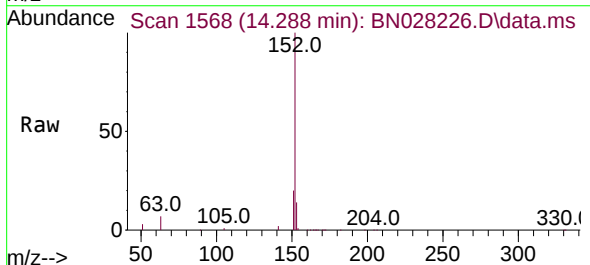
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)

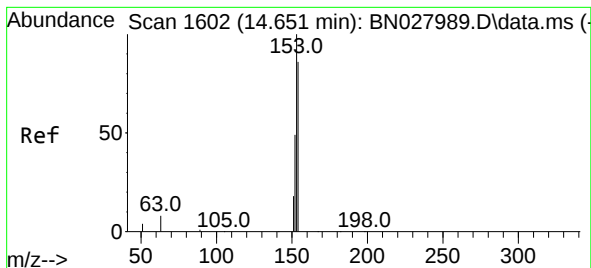
Tgt Ion:172 Resp: 5944
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.2 18.4 27.6



#16
Acenaphthylene
Concen: 5.827 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

Tgt Ion:152 Resp: 166171
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 2.148 ng

RT: 14.630 min Scan# 1600

Delta R.T. 0.000 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Instrument :

BNA_N

ClientSampleId :

C-1(0-5)

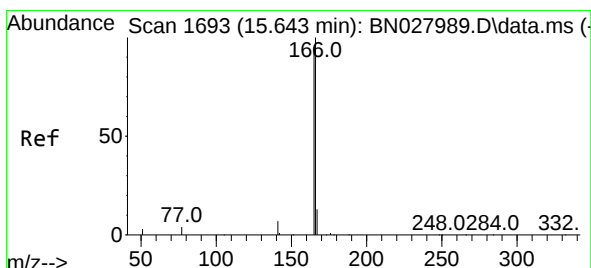
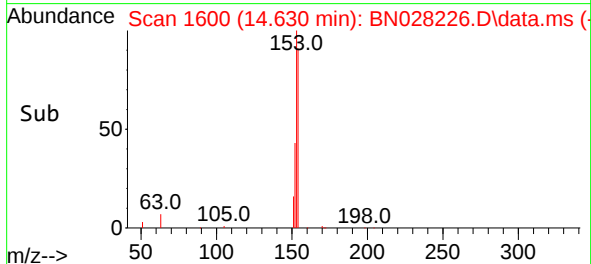
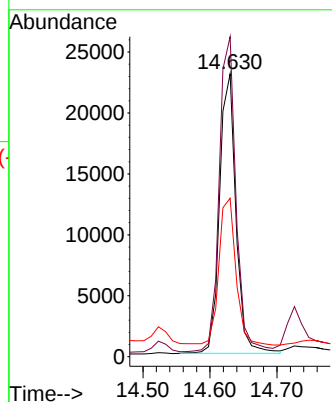
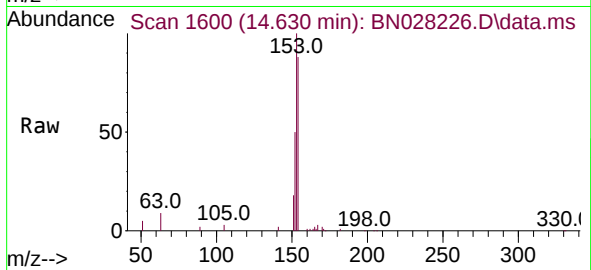
Tgt Ion:154 Resp: 39042

Ion Ratio Lower Upper

154 100

153 114.7 90.8 136.2

152 54.9 43.9 65.9



#18

Fluorene

Concen: 4.974 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.012 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

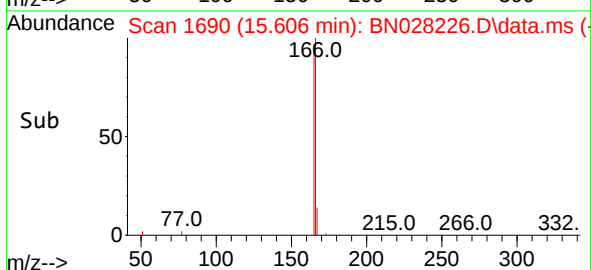
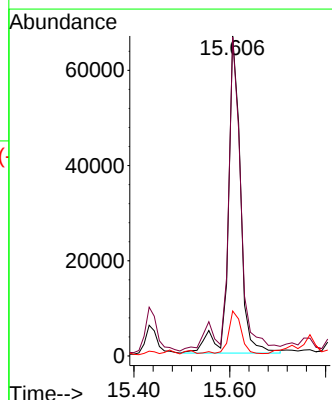
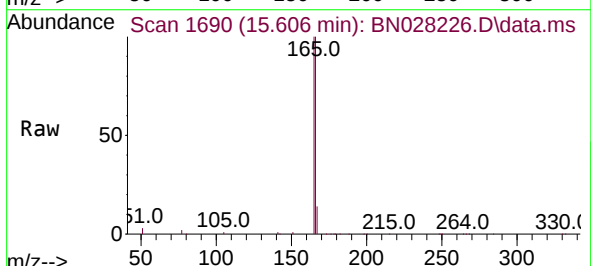
Tgt Ion:166 Resp: 117438

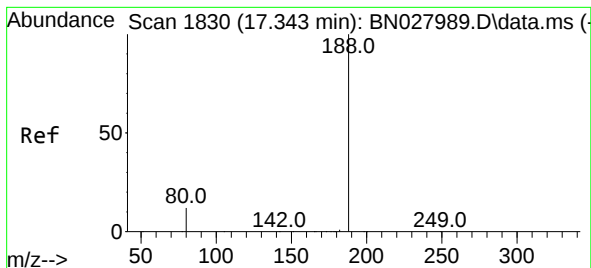
Ion Ratio Lower Upper

166 100

165 105.5 77.8 116.8

167 13.9 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.319 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Instrument :

BNA_N

ClientSampleId :

C-1(0-5)

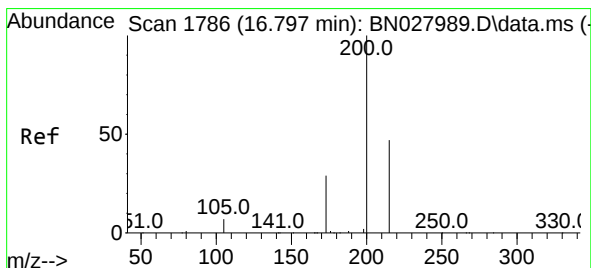
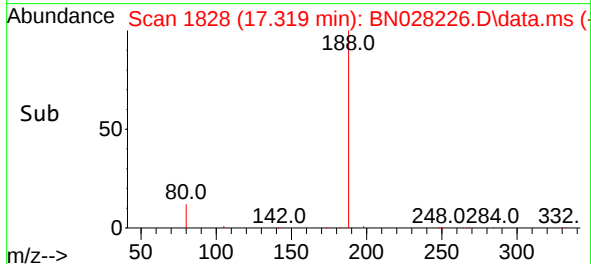
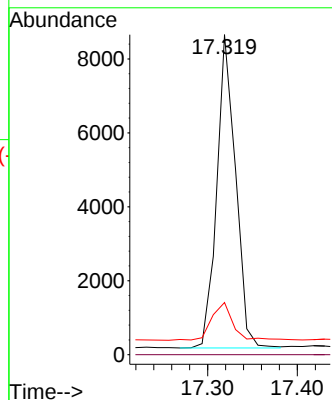
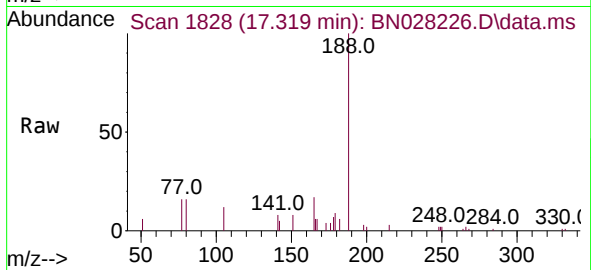
Tgt Ion:188 Resp: 12346

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.3 10.2 15.4#



#20

4,6-Dinitro-2-methylphenol

Concen: 1.292 ng

RT: 16.773 min Scan# 1784

Delta R.T. -0.012 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

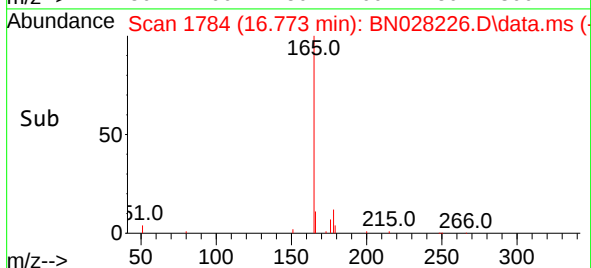
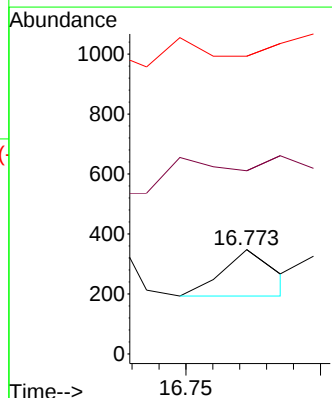
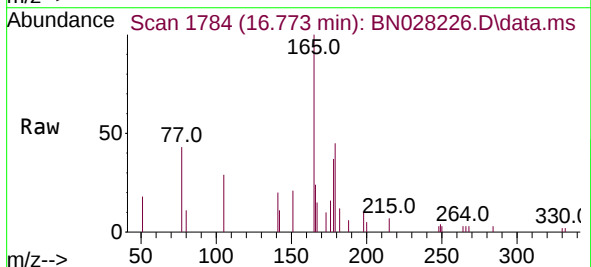
Tgt Ion:198 Resp: 212

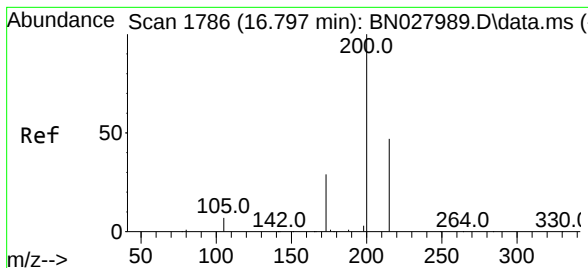
Ion Ratio Lower Upper

198 100

51 175.6 180.7 271.1#

105 285.3 222.2 333.2





#23

Atrazine

Concen: 0.022 ng

RT: 16.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Instrument :

BNA_N

ClientSampleId :

C-1(0-5)

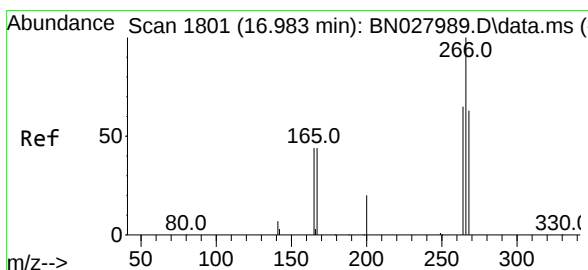
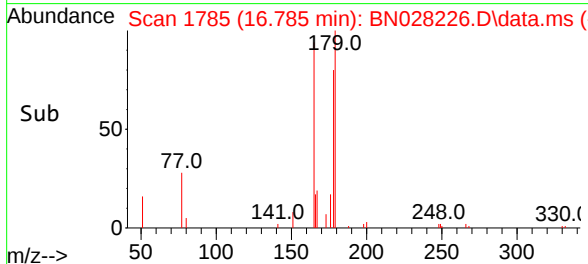
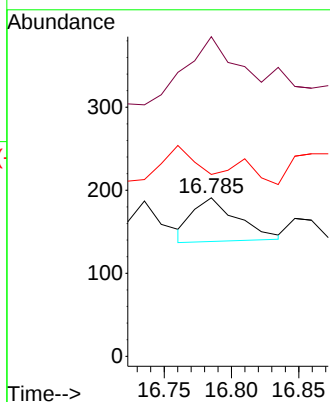
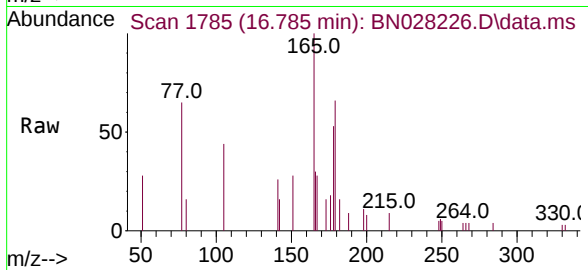
Tgt Ion:200 Resp: 122

Ion Ratio Lower Upper

200 100

173 201.6 24.7 37.1#

215 114.7 39.0 58.6#



#24

Pentachlorophenol

Concen: 0.028 ng

RT: 16.971 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

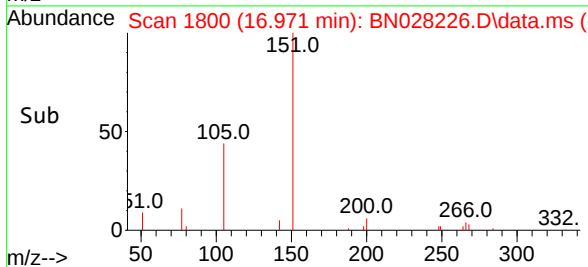
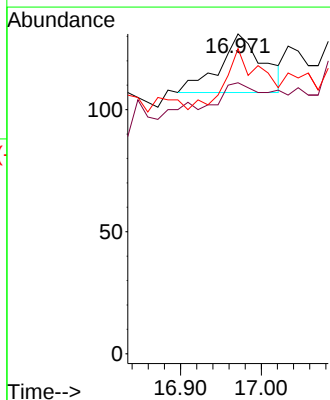
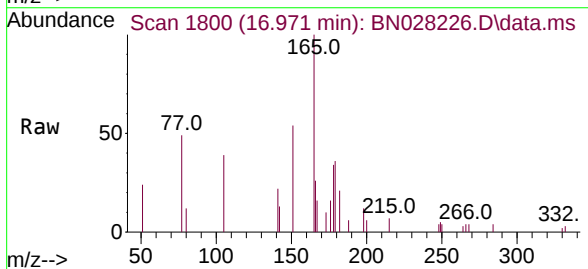
Tgt Ion:266 Resp: 89

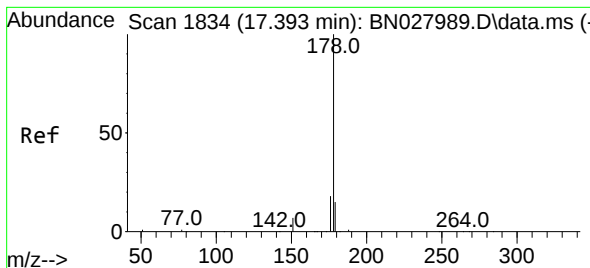
Ion Ratio Lower Upper

266 100

264 40.4 52.7 79.1#

268 89.9 56.2 84.2#





#25

Phenanthrene

Concen: 25.547 ng

RT: 17.368 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Instrument :

BNA_N

ClientSampleId :

C-1(0-5)

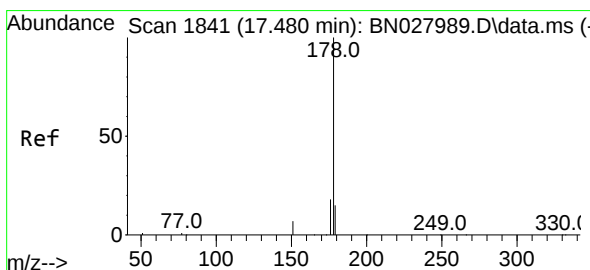
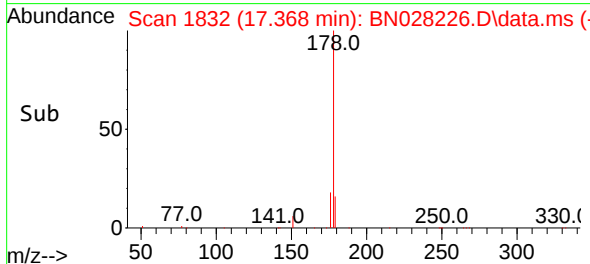
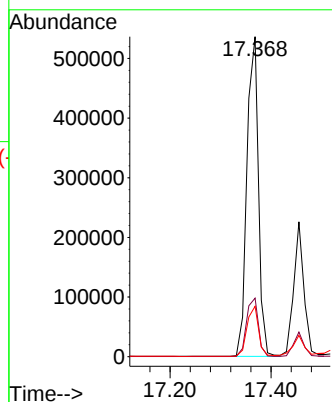
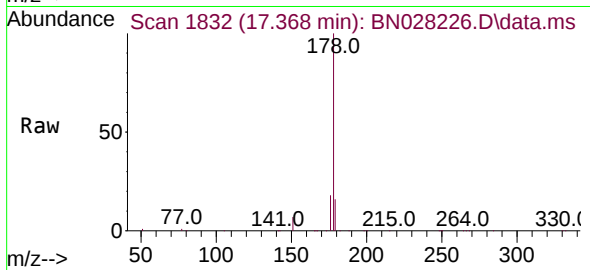
Tgt Ion:178 Resp: 850328

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.8 12.4 18.6



#26

Anthracene

Concen: 9.908 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

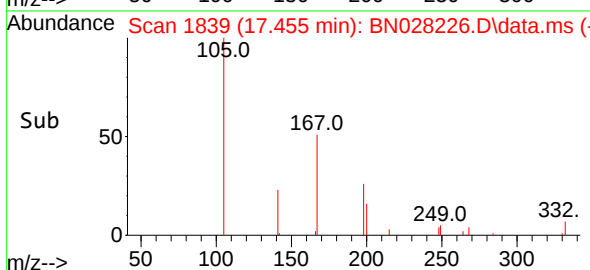
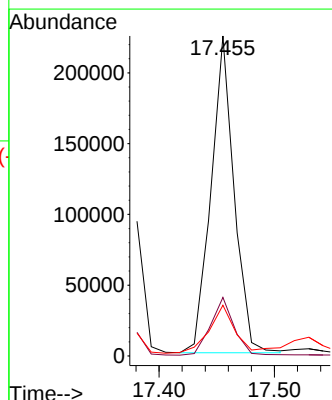
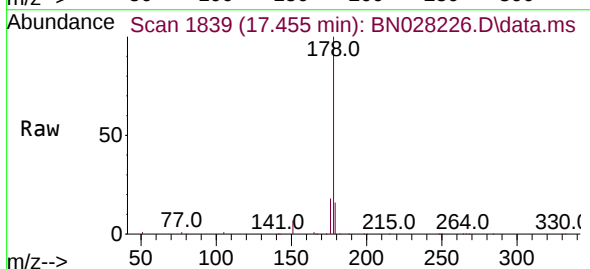
Tgt Ion:178 Resp: 311704

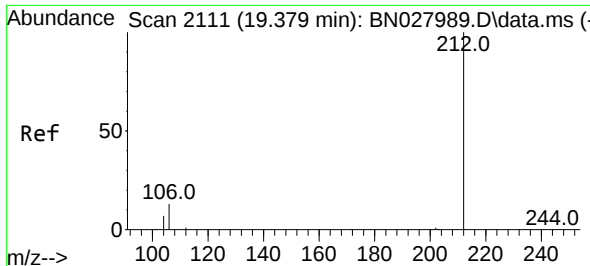
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 17.3 12.2 18.2

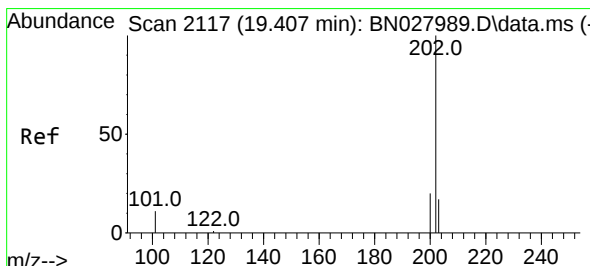
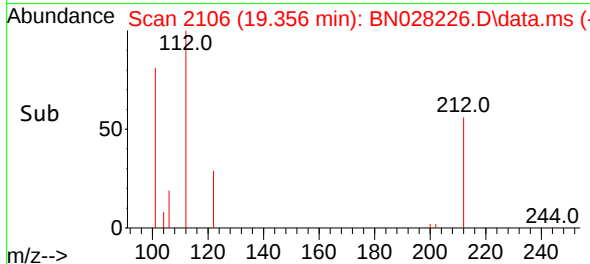
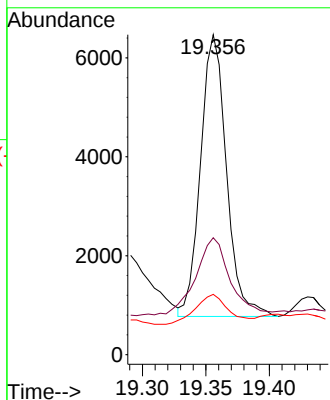
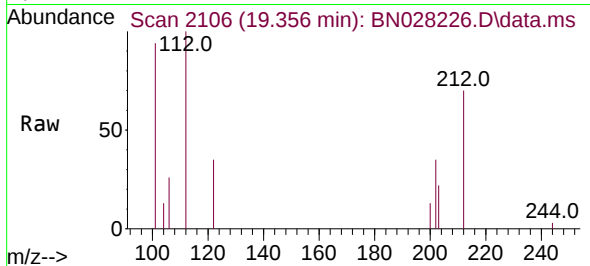




#27
Fluoranthene-d10
Concen: 0.261 ng
RT: 19.356 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

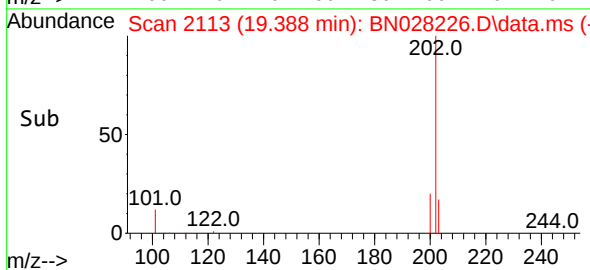
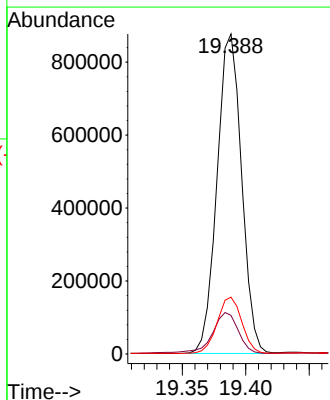
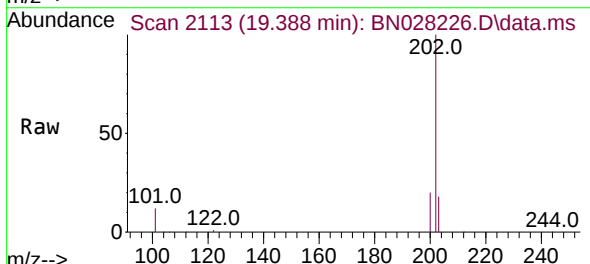
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)

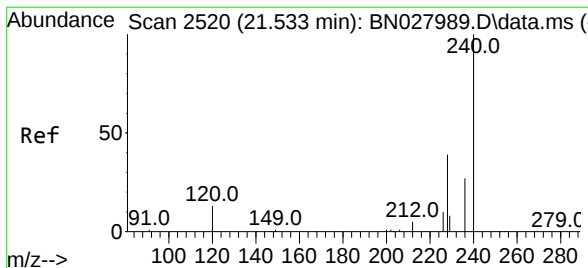
Tgt Ion:212 Resp: 8103
Ion Ratio Lower Upper
212 100
106 43.0 11.3 16.9#
104 13.4 6.4 9.6#



#28
Fluoranthene
Concen: 30.648 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

Tgt Ion:202 Resp: 1177268
Ion Ratio Lower Upper
202 100
101 13.9 9.8 14.6
203 17.6 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.515 min Scan# 2118

Delta R.T. 0.000 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Instrument :

BNA_N

ClientSampleId :

C-1(0-5)

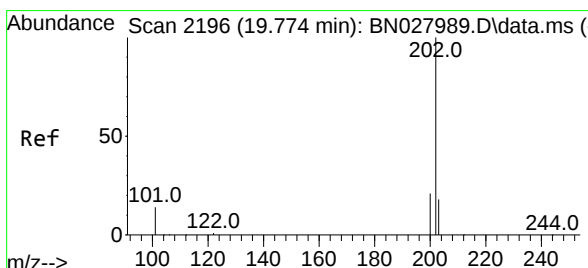
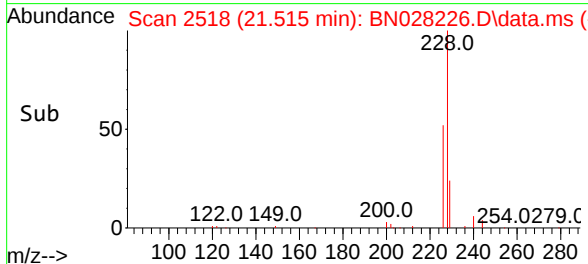
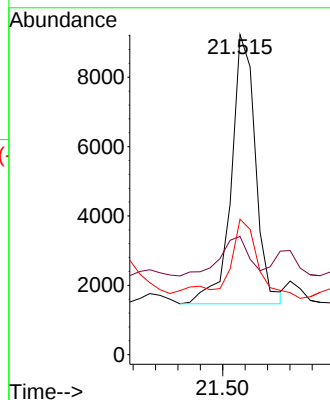
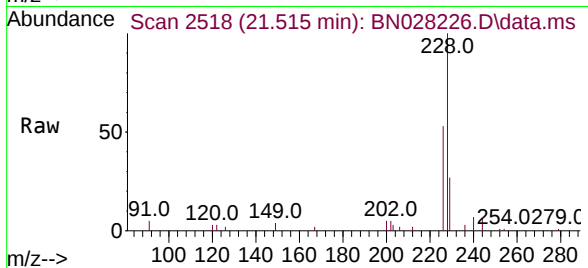
Tgt Ion:240 Resp: 11706

Ion Ratio Lower Upper

240 100

120 37.0 13.8 20.6#

236 42.3 22.6 33.8#



#30

Pyrene

Concen: 25.545 ng

RT: 19.755 min Scan# 2192

Delta R.T. 0.005 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

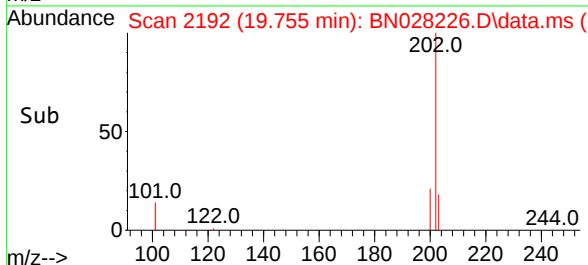
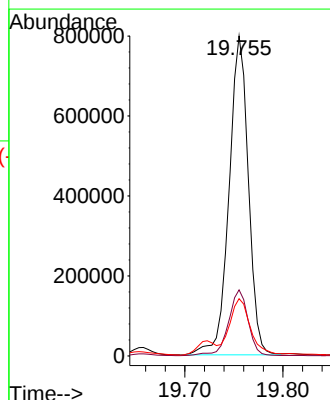
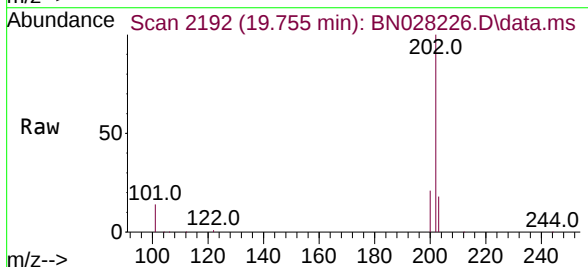
Tgt Ion:202 Resp: 1096507

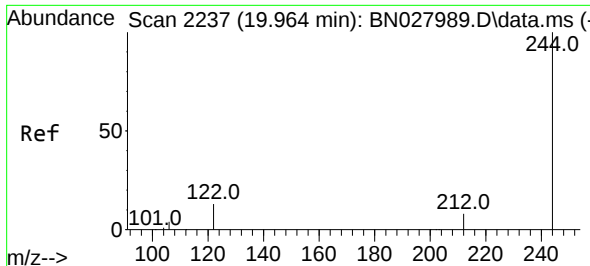
Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

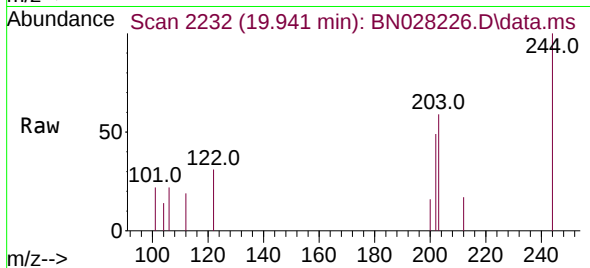
203 18.0 14.7 22.1



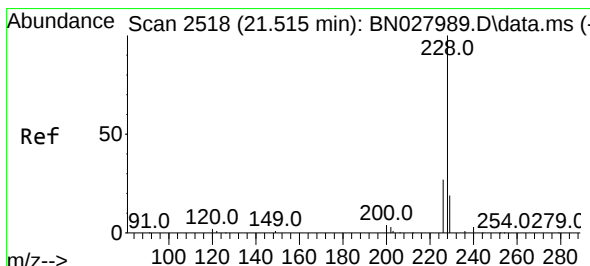
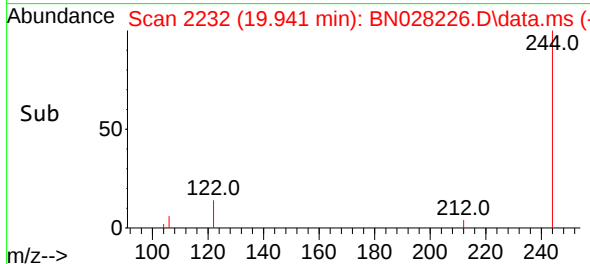
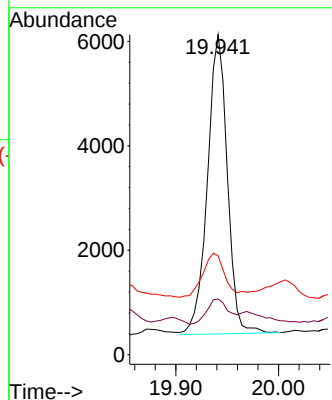


#31
 Terphenyl-d14
 Concen: 0.281 ng
 RT: 19.941 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN028226.D
 Acq: 11 Oct 2023 09:34

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

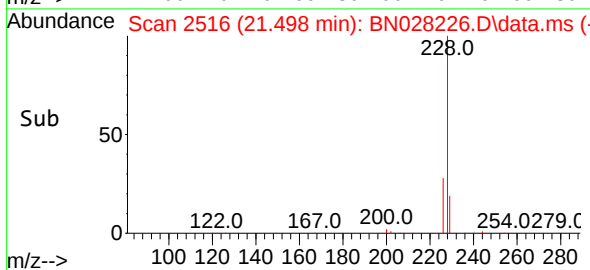
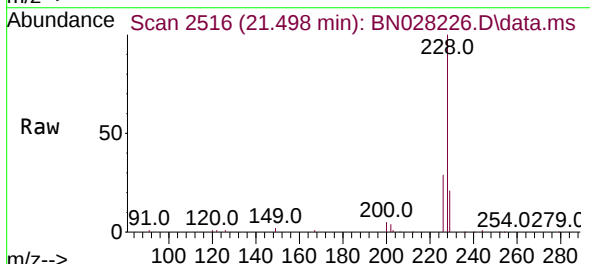
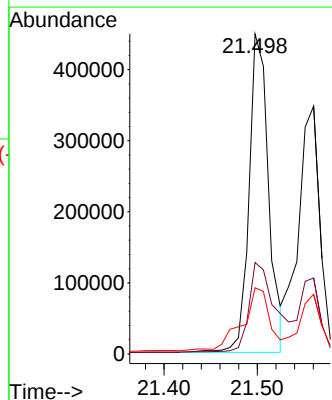


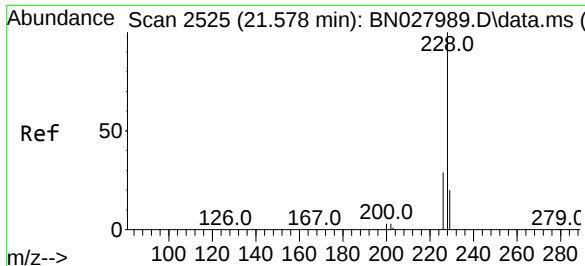
Tgt Ion:244 Resp: 7679
 Ion Ratio Lower Upper
 244 100
 212 17.4 6.6 9.8#
 122 30.9 11.4 17.0#



#32
 Benzo(a)anthracene
 Concen: 16.465 ng
 RT: 21.498 min Scan# 2516
 Delta R.T. 0.000 min
 Lab File: BN028226.D
 Acq: 11 Oct 2023 09:34

Tgt Ion:228 Resp: 655863
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 20.7 16.0 24.0





#33

Chrysene

Concen: 14.535 ng

RT: 21.560 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Instrument :

BNA_N

ClientSampleId :

C-1(0-5)

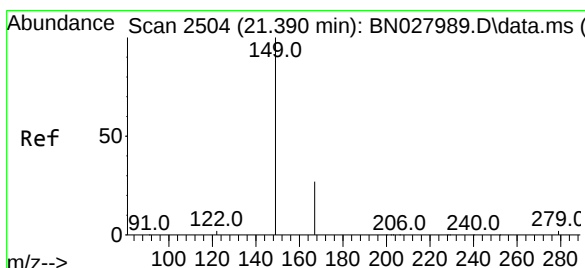
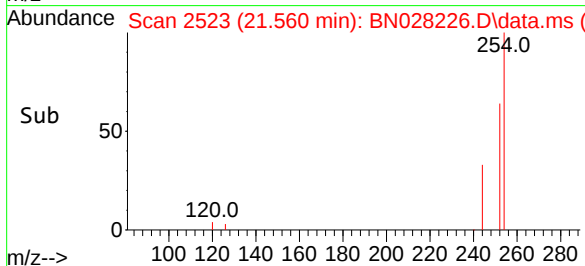
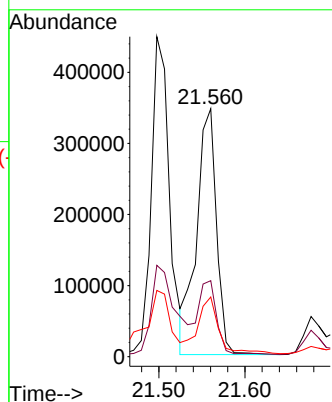
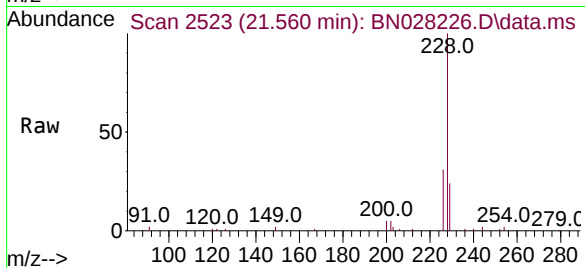
Tgt Ion:228 Resp: 557965

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.8

229 24.0 16.6 25.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.885 ng

RT: 21.372 min Scan# 2502

Delta R.T. 0.009 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

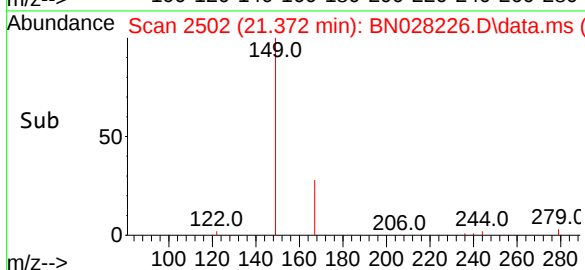
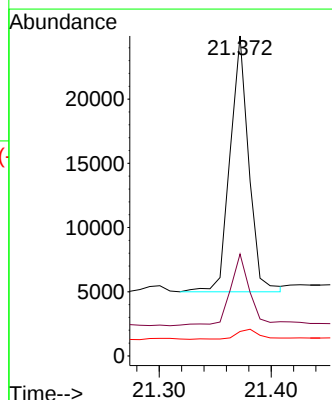
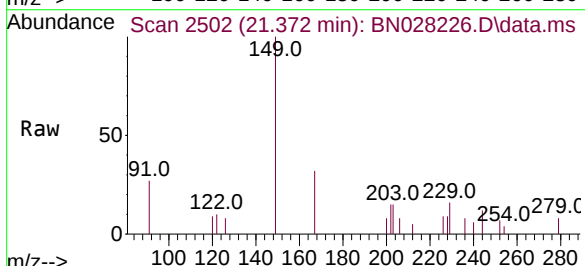
Tgt Ion:149 Resp: 23191

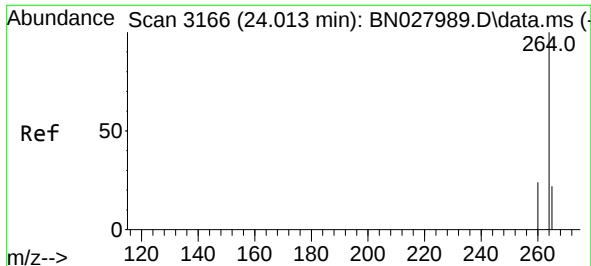
Ion Ratio Lower Upper

149 100

167 30.6 22.1 33.1

279 5.1 3.4 5.0#

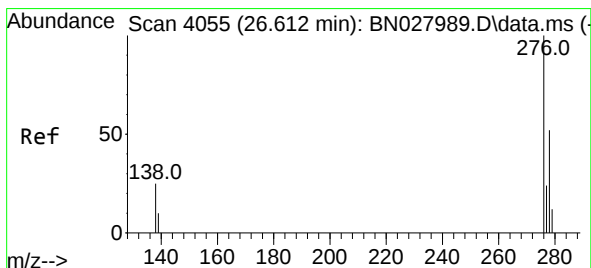
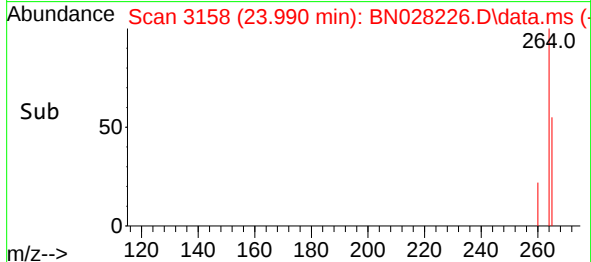
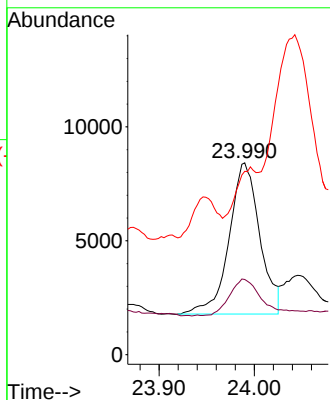
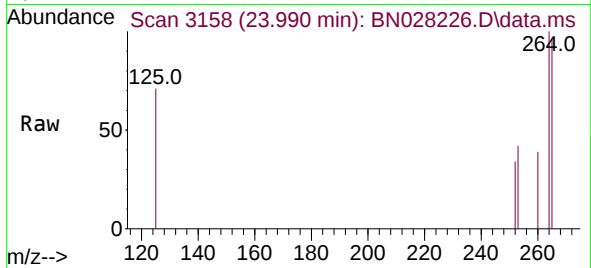




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.990 min Scan# 3166
Delta R.T. 0.015 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

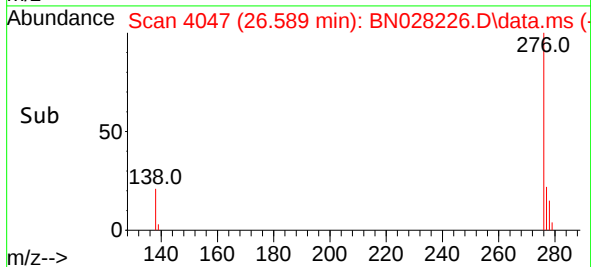
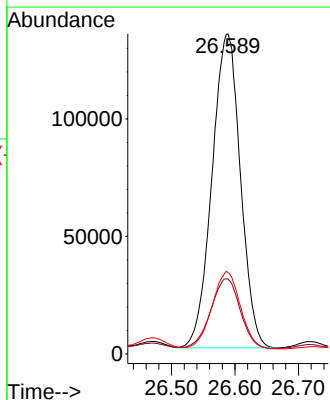
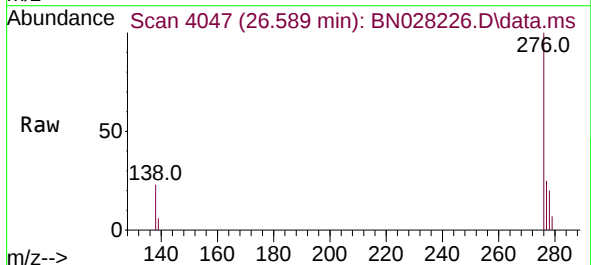
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)

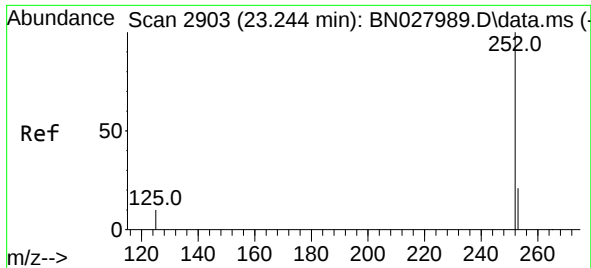
Tgt Ion:264 Resp: 14884
Ion Ratio Lower Upper
264 100
260 39.2 20.2 30.4#
265 95.6 54.8 82.2#



#36
Indeno(1,2,3-cd)pyrene
Concen: 8.293 ng
RT: 26.589 min Scan# 4047
Delta R.T. 0.032 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

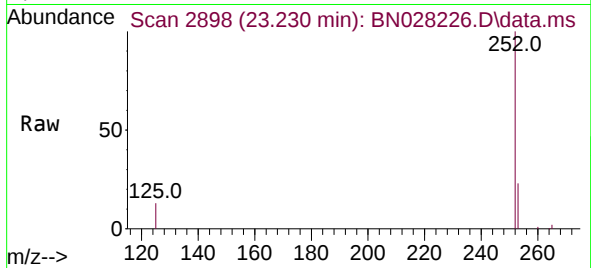
Tgt Ion:276 Resp: 415208
Ion Ratio Lower Upper
276 100
138 23.0 20.9 31.3
277 24.7 19.8 29.6



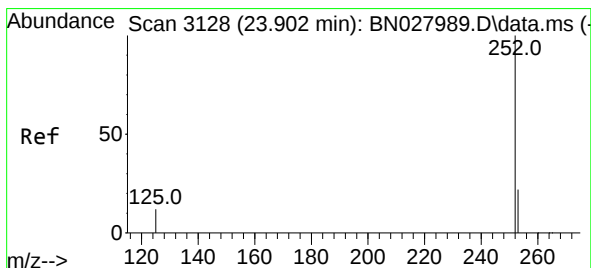
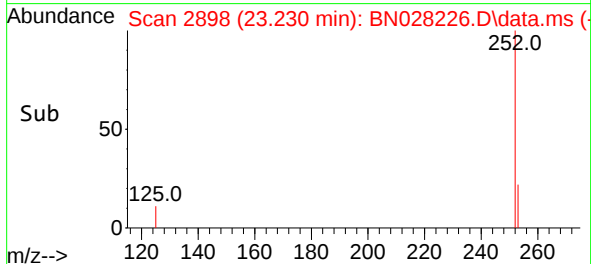
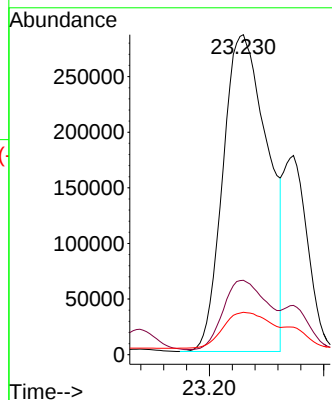


#37
Benzo(b)fluoranthene
Concen: 16.085 ng
RT: 23.230 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

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

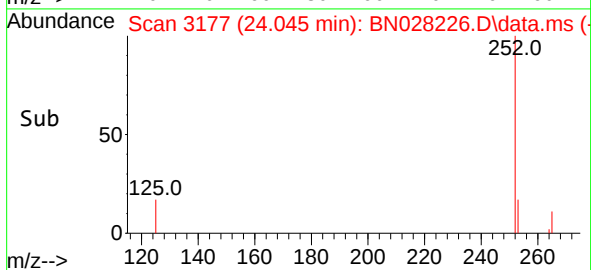
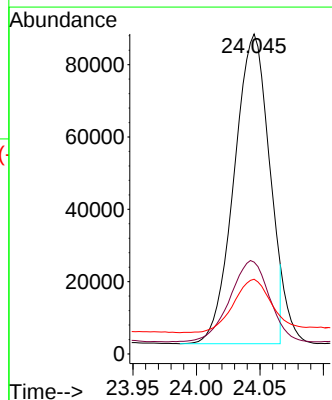
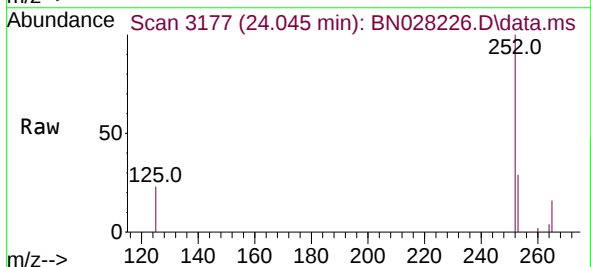


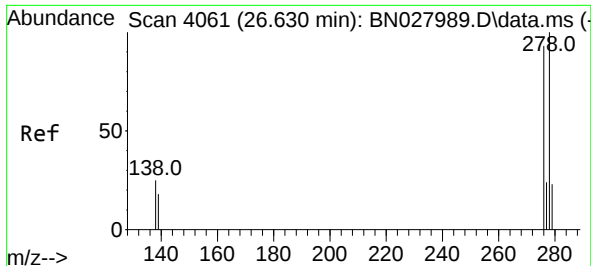
Tgt Ion:252 Resp: 773201
Ion Ratio Lower Upper
252 100
253 23.2 22.9 34.3
125 13.2 13.8 20.8#



#39
Benzo(a)pyrene
Concen: 3.596 ng
RT: 24.045 min Scan# 3177
Delta R.T. 0.181 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

Tgt Ion:252 Resp: 163460
Ion Ratio Lower Upper
252 100
253 28.7 25.0 37.4
125 23.4 16.6 24.8

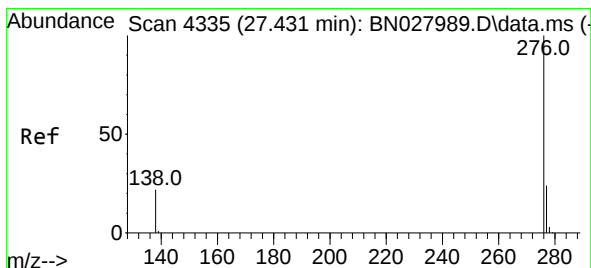
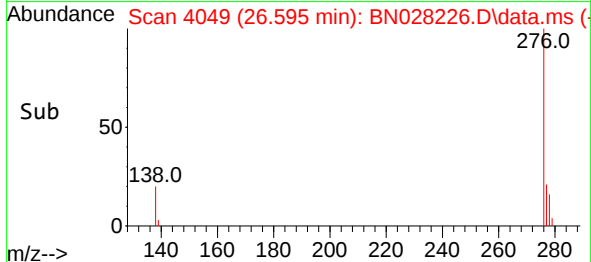
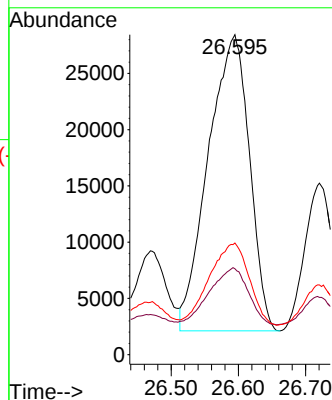
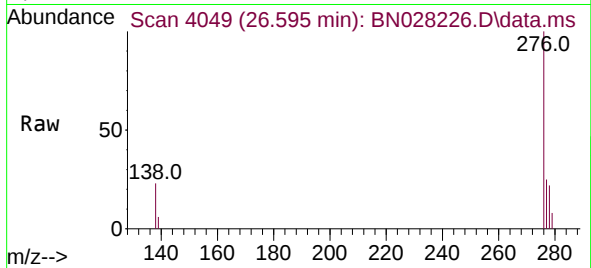




#40
Dibenzo(a,h)anthracene
Concen: 2.736 ng
RT: 26.595 min Scan# 4061
Delta R.T. 0.018 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

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

Tgt Ion:278 Resp: 112055
Ion Ratio Lower Upper
278 100
139 26.9 17.7 26.5#
279 34.9 25.2 37.8



#41
Benzo(g,h,i)perylene
Concen: 9.852 ng
RT: 27.402 min Scan# 4325
Delta R.T. 0.035 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

Tgt Ion:276 Resp: 414164
Ion Ratio Lower Upper
276 100
277 25.5 22.1 33.1
138 24.4 20.8 31.2

