

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028227.D
 Acq On : 11 Oct 2023 10:10
 Operator : MA/JU
 Sample : 04767-06 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Q-4(0-5)

Quant Time: Oct 11 10:58:28 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

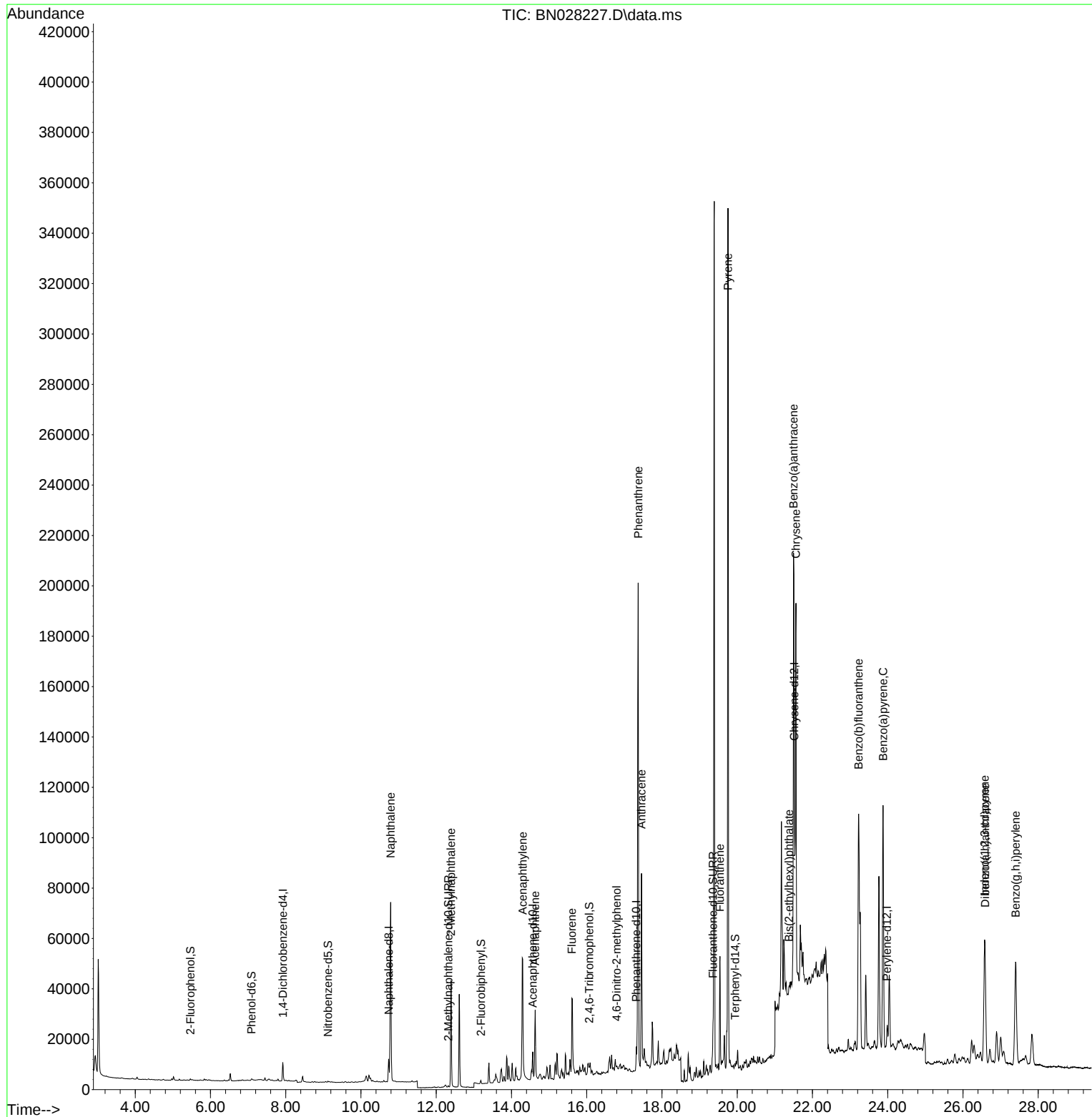
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	3713	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11830	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	6360	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12668	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	11321	0.400	ng	# 0.00
35) Perylene-d12	23.984	264	13719	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	552	0.050	ng	0.00
5) Phenol-d6	7.091	99	635	0.045	ng	0.00
8) Nitrobenzene-d5	9.123	82	553	0.055	ng	0.00
11) 2-Methylnaphthalene-d10	12.321	152	803	0.046	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	135	0.046	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	1144	0.050	ng	0.00
27) Fluoranthene-d10	19.356	212	1481	0.047	ng	0.00
31) Terphenyl-d14	19.941	244	1491	0.056	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.789	128	94554	3.093	ng	98
12) 2-Methylnaphthalene	12.392	142	30713	1.436	ng	98
16) Acenaphthylene	14.298	152	77867	2.764	ng	100
17) Acenaphthene	14.630	154	15260	0.850	ng	99
18) Fluorene	15.606	166	29159	1.250	ng	95
20) 4,6-Dinitro-2-methylph...	16.797	198	168	0.998	ng	85
25) Phenanthrene	17.368	178	210186	6.154	ng	99
26) Anthracene	17.455	178	76881	2.382	ng	97
28) Fluoranthene	19.542	202	40687	1.032	ng	97
30) Pyrene	19.755	202	310753	7.486	ng	100
32) Benzo(a)anthracene	21.498	228	167012	4.335	ng	95
33) Chrysene	21.560	228	147096	3.962	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.372	149	2529	0.100	ng	# 56
36) Indeno(1,2,3-cd)pyrene	26.577	276	89106	1.931	ng	97
37) Benzo(b)fluoranthene	23.227	252	181923	4.106	ng	96
39) Benzo(a)pyrene	23.876	252	148192	3.537	ng	91
40) Dibenzo(a,h)anthracene	26.589	278	25119	0.665	ng	# 54
41) Benzo(g,h,i)perylene	27.399	276	89782	2.317	ng	97

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

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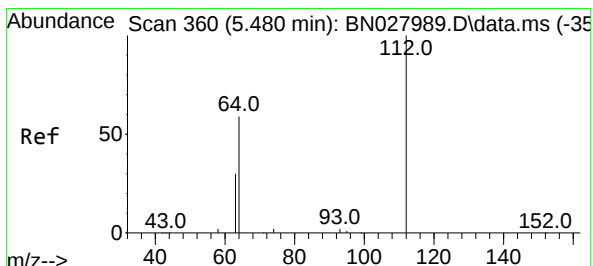
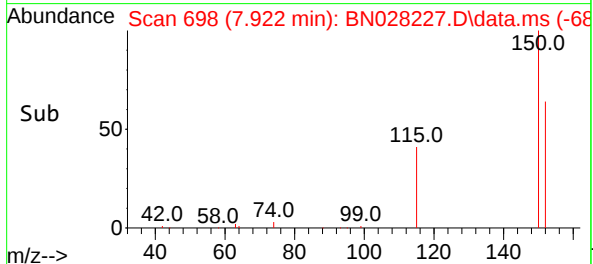
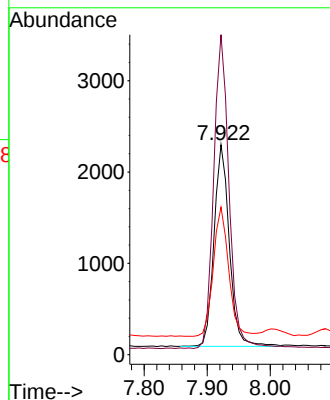
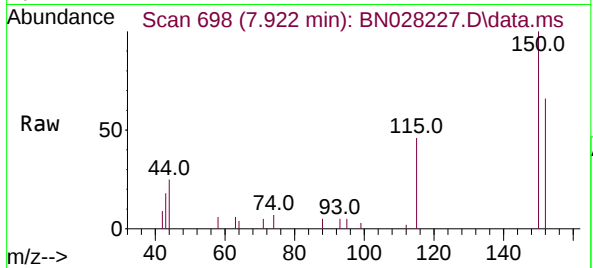




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

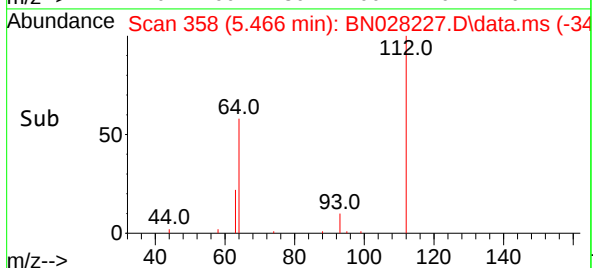
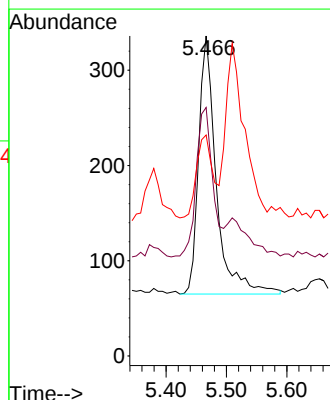
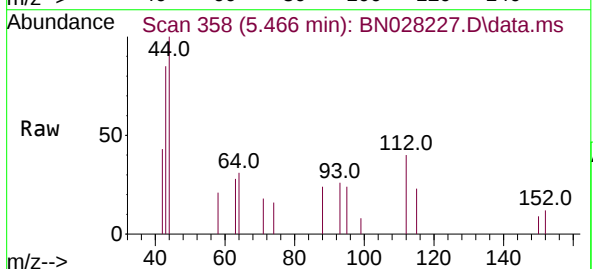
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

Tgt Ion:152 Resp: 3713
Ion Ratio Lower Upper
152 100
150 152.5 125.6 188.4
115 70.3 54.8 82.2



#4
2-Fluorophenol
Concen: 0.050 ng
RT: 5.466 min Scan# 358
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:112 Resp: 552
Ion Ratio Lower Upper
112 100
64 55.1 45.0 67.6
63 30.3 23.4 35.0

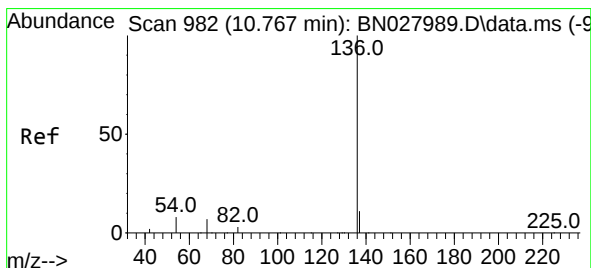
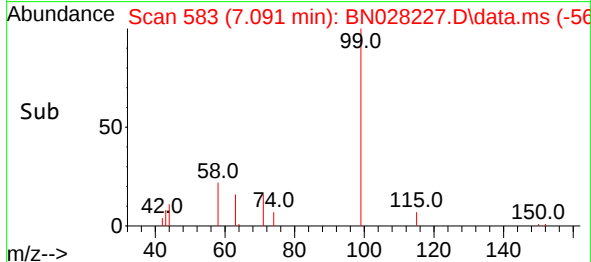
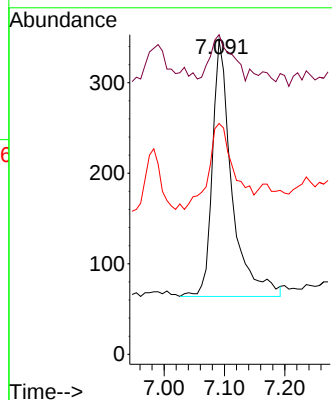
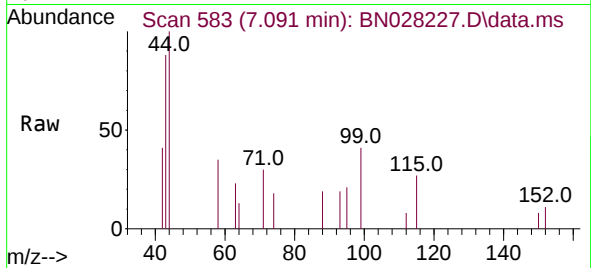




#5
Phenol-d6
Concen: 0.045 ng
RT: 7.091 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

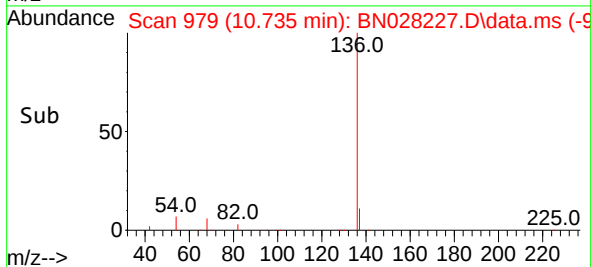
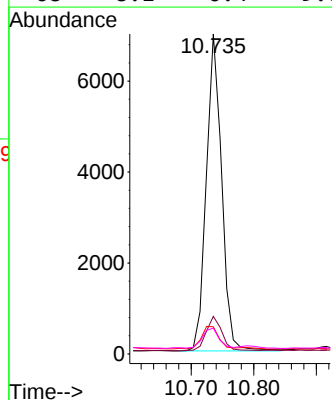
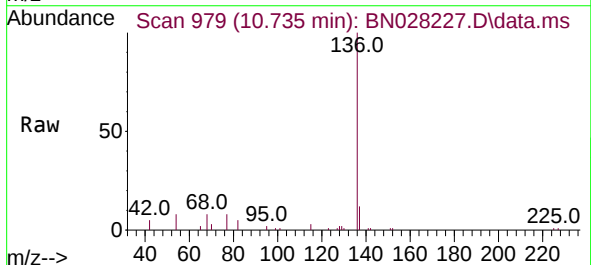
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

Tgt Ion: 99 Resp: 635
Ion Ratio Lower Upper
99 100
42 19.2 14.6 22.0
71 44.3 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: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion: 136 Resp: 11830
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 8.5 7.0 10.6
68 8.1 6.4 9.6

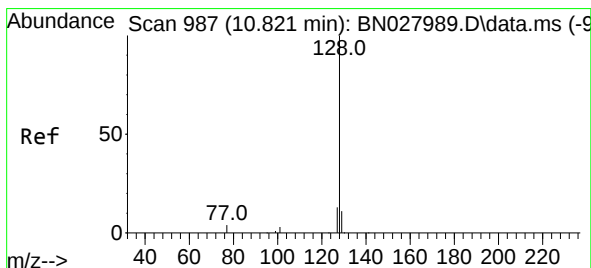
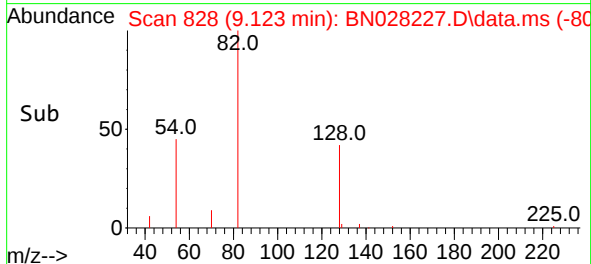
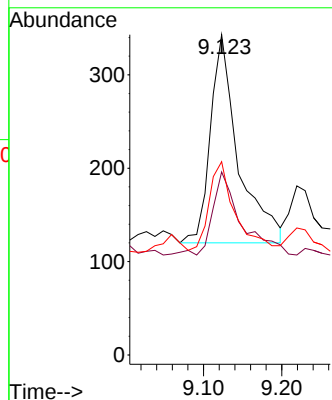
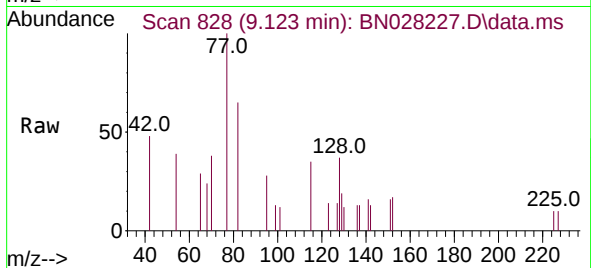




#8
Nitrobenzene-d5
Concen: 0.055 ng
RT: 9.123 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

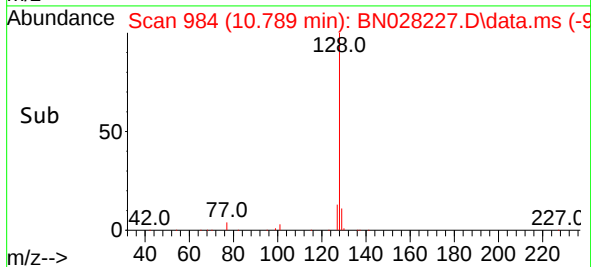
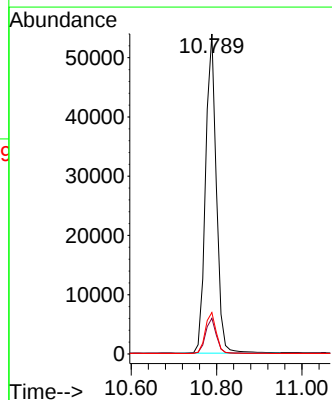
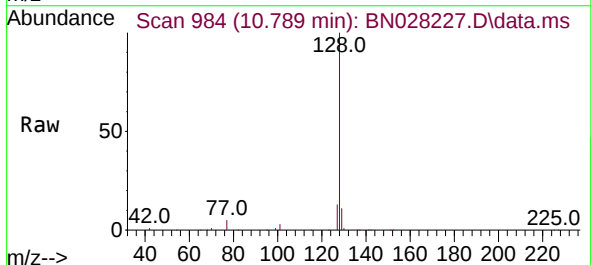
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

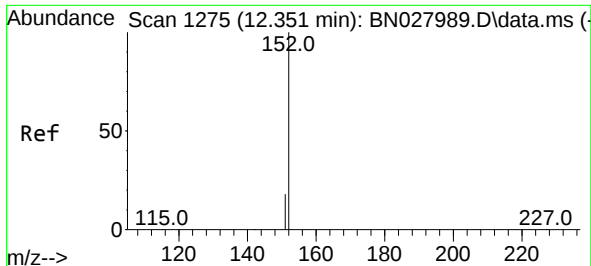
Tgt Ion: 82 Resp: 553
Ion Ratio Lower Upper
82 100
128 57.1 32.7 49.1#
54 60.3 38.7 58.1#



#9
Naphthalene
Concen: 3.093 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion: 128 Resp: 94554
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.0 10.9 16.3

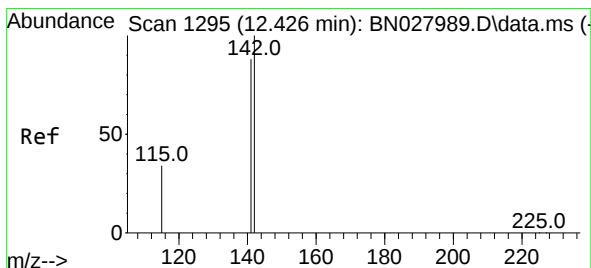
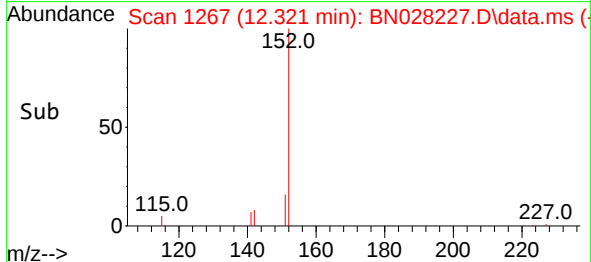
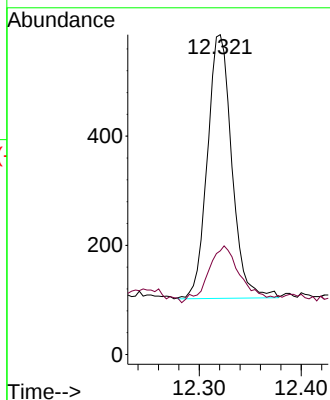
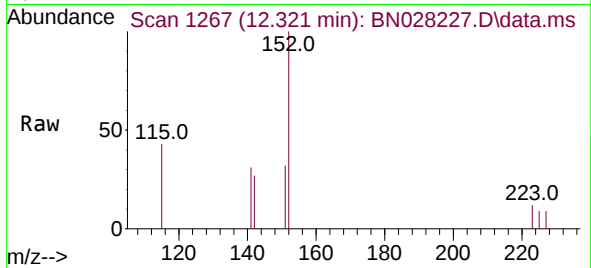




#11
2-Methylnaphthalene-d10
Concen: 0.046 ng
RT: 12.321 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

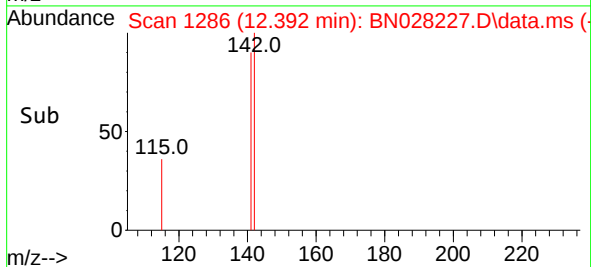
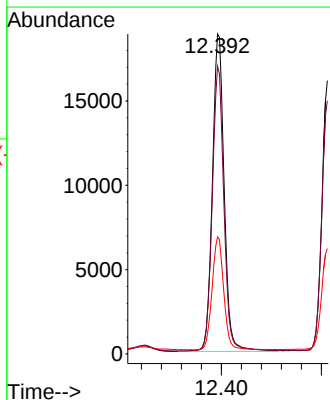
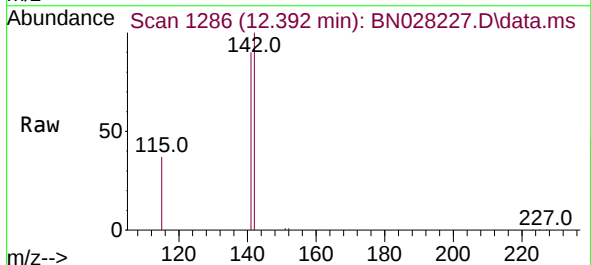
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

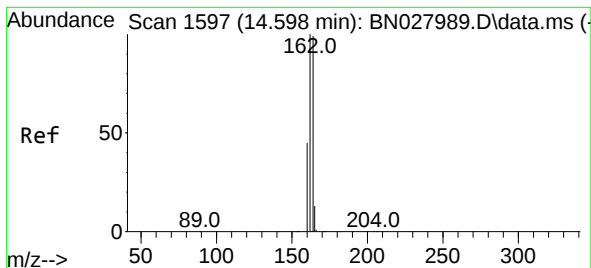
Tgt Ion:152 Resp: 803
Ion Ratio Lower Upper
152 100
151 28.6 16.5 24.7#



#12
2-Methylnaphthalene
Concen: 1.436 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:142 Resp: 30713
Ion Ratio Lower Upper
142 100
141 89.9 70.7 106.1
115 36.6 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: BN028227.D

Acq: 11 Oct 2023 10:10

Instrument :

BNA_N

ClientSampleId :

Q-4(0-5)

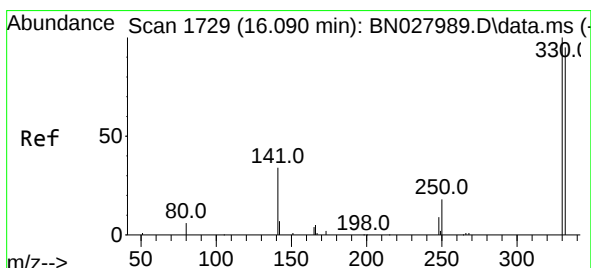
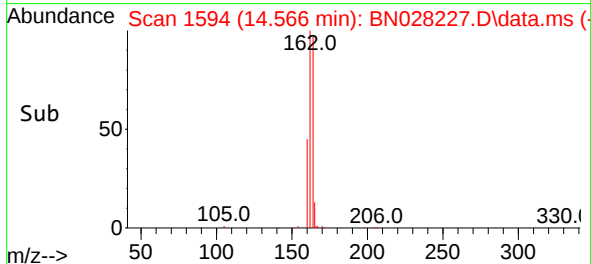
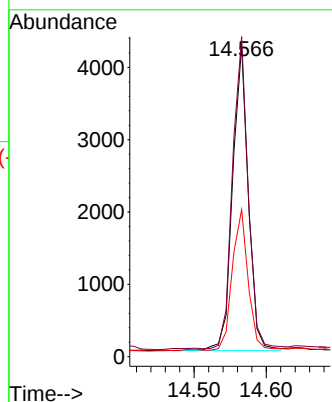
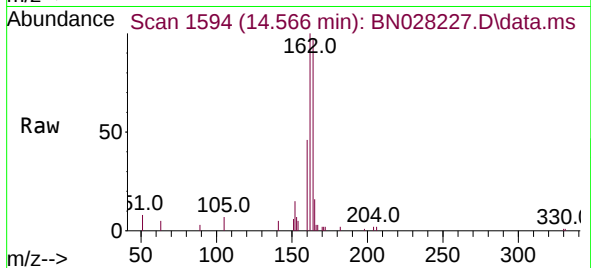
Tgt Ion:164 Resp: 6360

Ion Ratio Lower Upper

164 100

162 102.8 80.8 121.2

160 47.2 36.4 54.6



#14

2,4,6-Tribromophenol

Concen: 0.046 ng

RT: 16.065 min Scan# 1727

Delta R.T. -0.012 min

Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

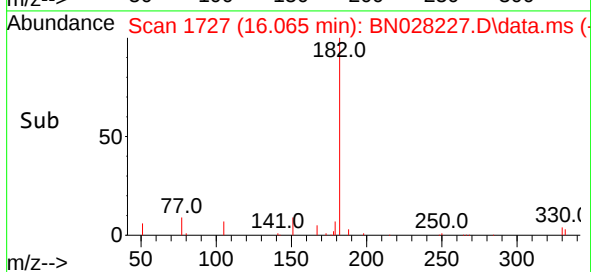
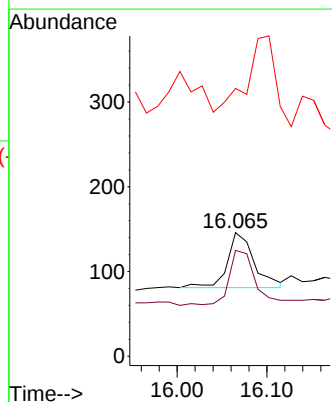
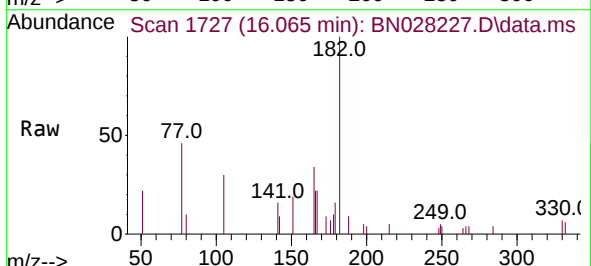
Tgt Ion:330 Resp: 135

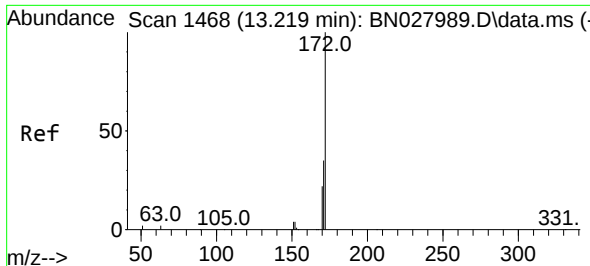
Ion Ratio Lower Upper

330 100

332 94.1 78.1 117.1

141 0.0 33.4 50.2#

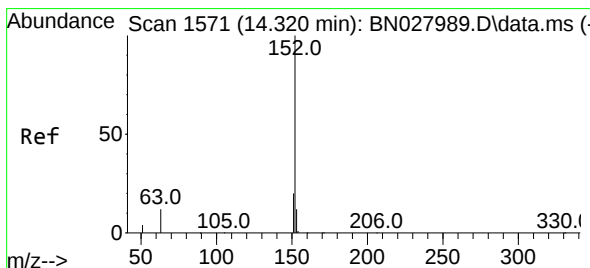
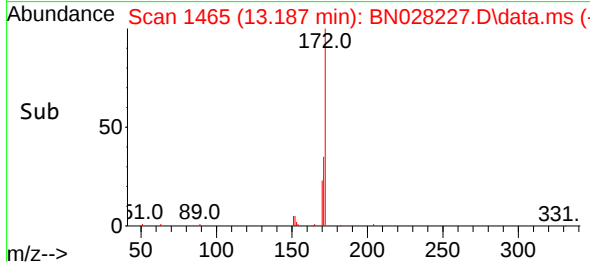
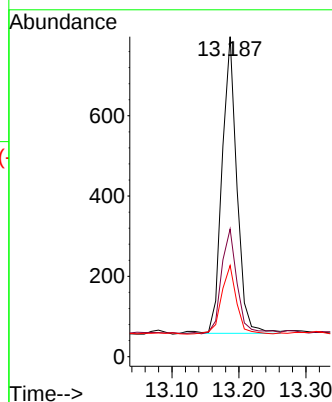
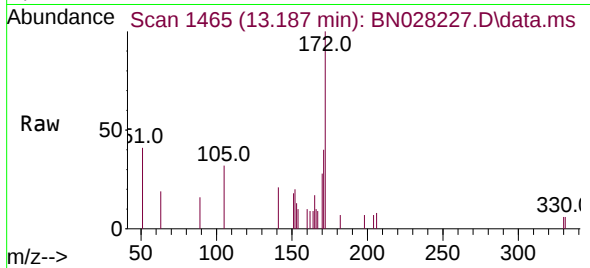




#15
2-Fluorobiphenyl
Concen: 0.050 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

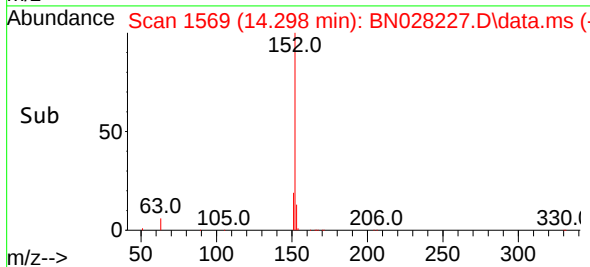
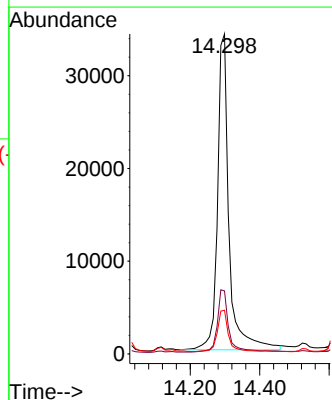
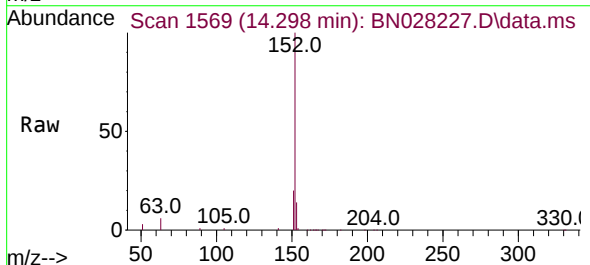
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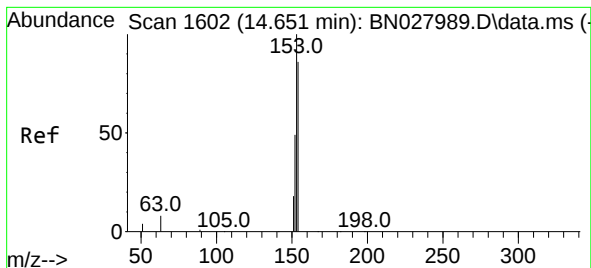
Tgt Ion:172 Resp: 1144
Ion Ratio Lower Upper
172 100
171 39.9 28.1 42.1
170 28.5 18.4 27.6#



#16
Acenaphthylene
Concen: 2.764 ng
RT: 14.298 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:152 Resp: 77867
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 12.8 10.2 15.4





#17

Acenaphthene

Concen: 0.850 ng

RT: 14.630 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

Instrument :

BNA_N

ClientSampleId :

Q-4(0-5)

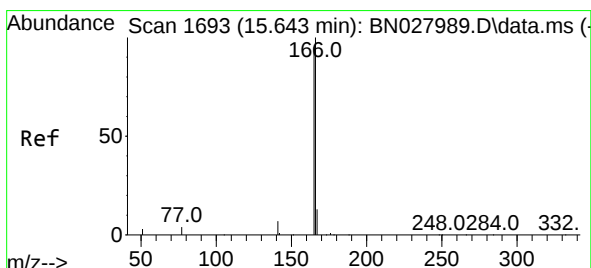
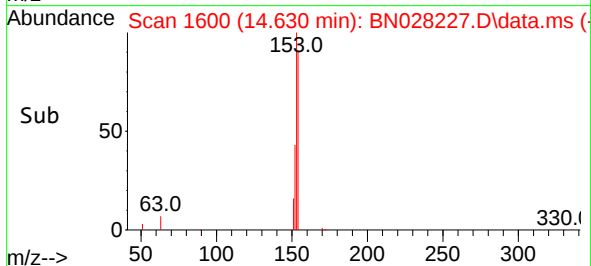
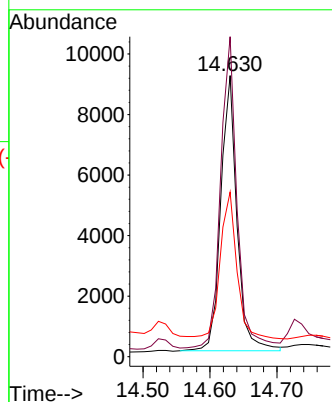
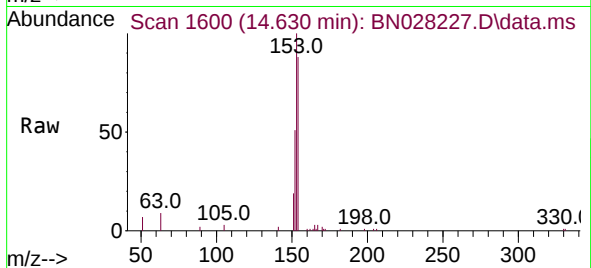
Tgt Ion:154 Resp: 15260

Ion Ratio Lower Upper

154 100

153 114.4 90.8 136.2

152 55.3 43.9 65.9



#18

Fluorene

Concen: 1.250 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.012 min

Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

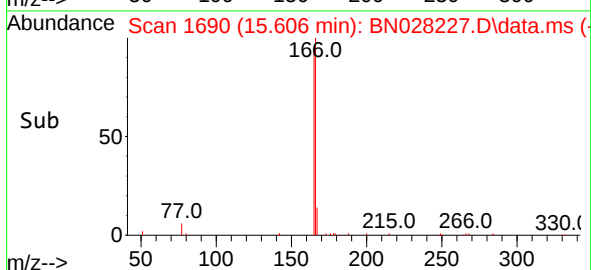
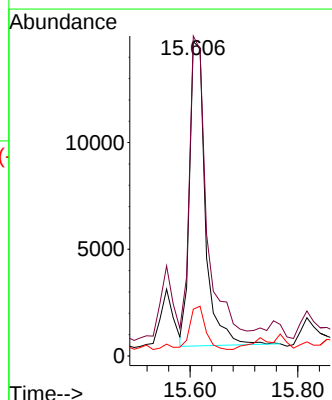
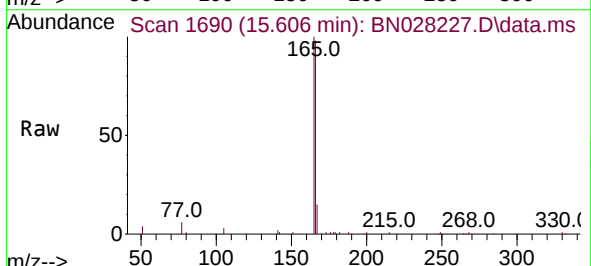
Tgt Ion:166 Resp: 29159

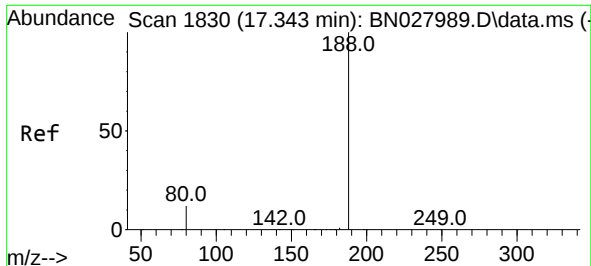
Ion Ratio Lower Upper

166 100

165 102.6 77.8 116.8

167 15.3 10.7 16.1

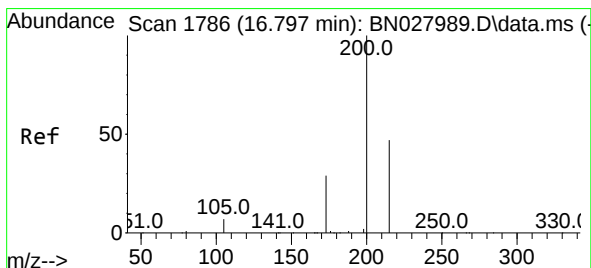
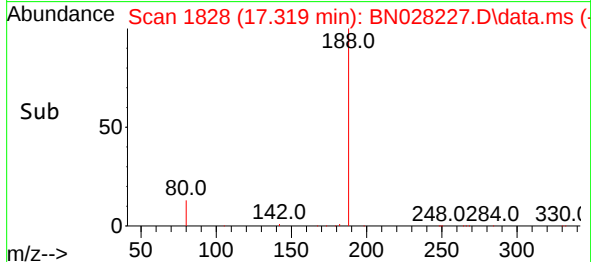
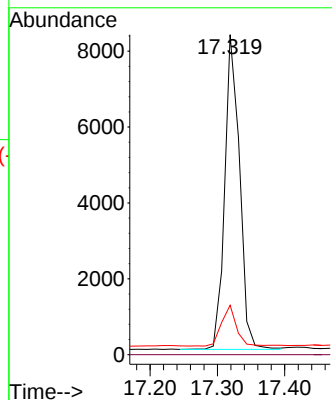
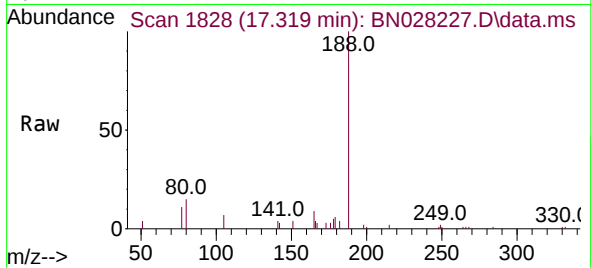




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

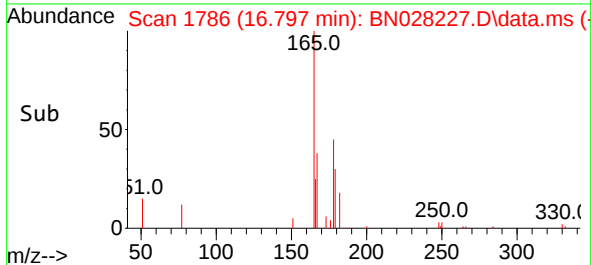
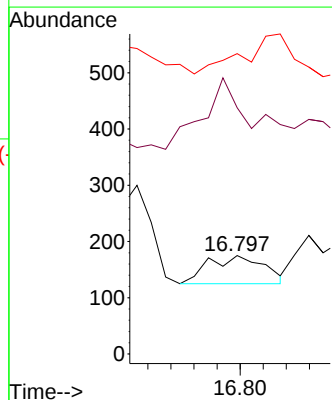
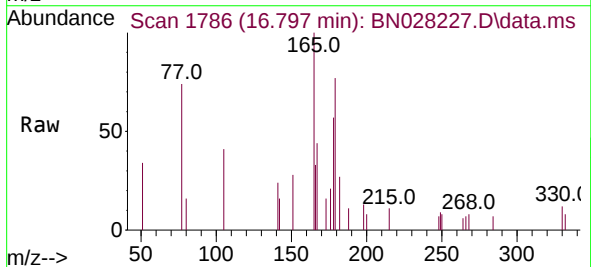
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

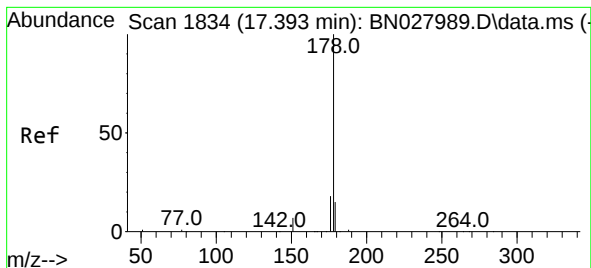
Tgt Ion:188 Resp: 12668
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.5 10.2 15.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.998 ng
RT: 16.797 min Scan# 1786
Delta R.T. 0.012 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:198 Resp: 168
Ion Ratio Lower Upper
198 100
51 250.3 180.7 271.1
105 305.1 222.2 333.2





#25

Phenanthrene

Concen: 6.154 ng

RT: 17.368 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

Instrument :

BNA_N

ClientSampleId :

Q-4(0-5)

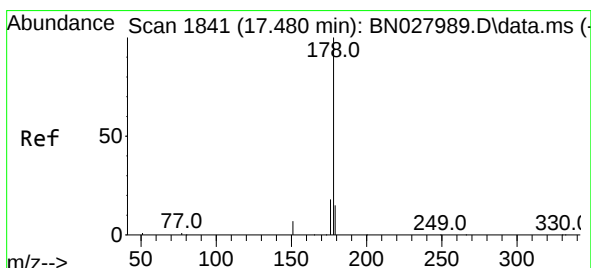
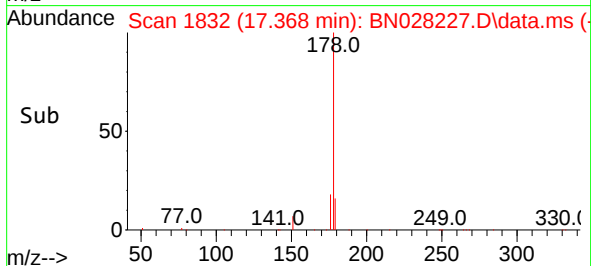
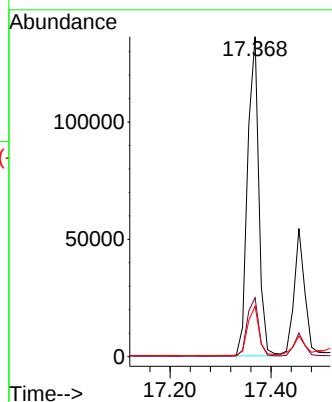
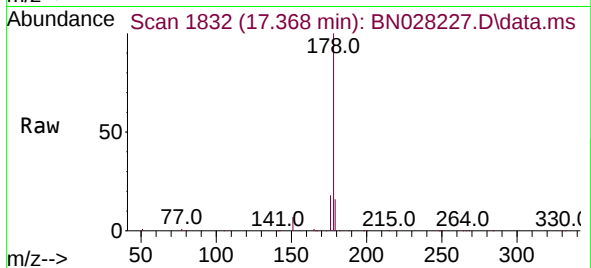
Tgt Ion:178 Resp: 210186

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 16.0 12.4 18.6



#26

Anthracene

Concen: 2.382 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

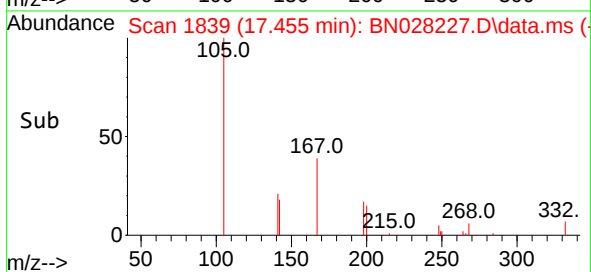
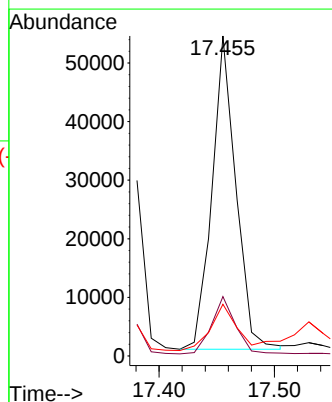
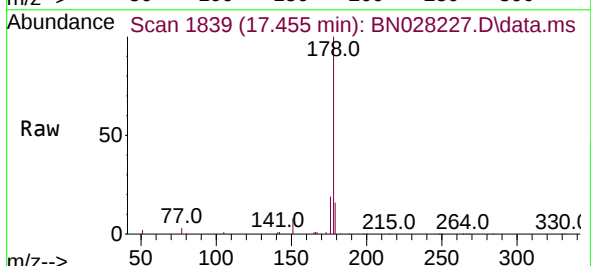
Tgt Ion:178 Resp: 76881

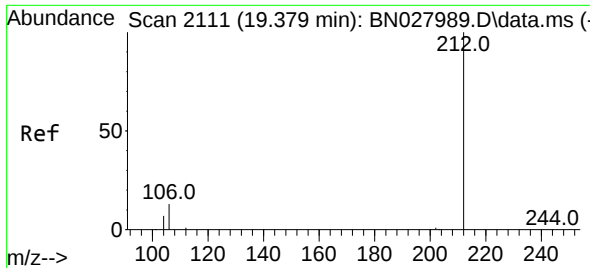
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 17.5 12.2 18.2

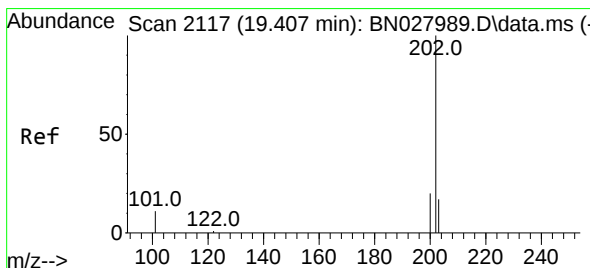
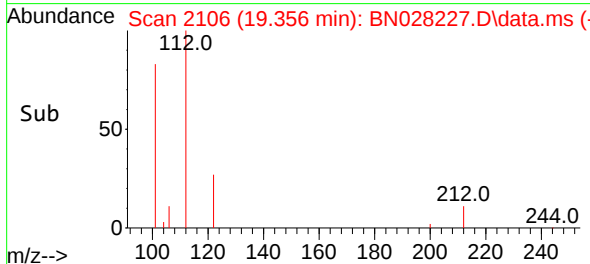
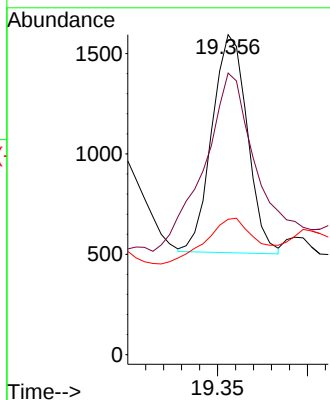
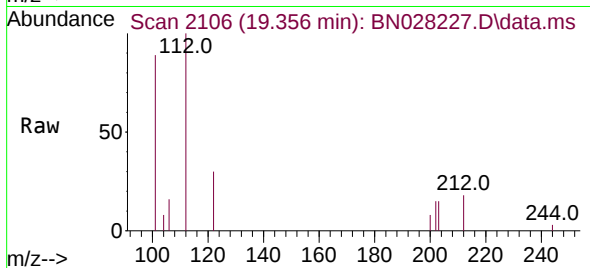




#27
Fluoranthene-d10
Concen: 0.047 ng
RT: 19.356 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

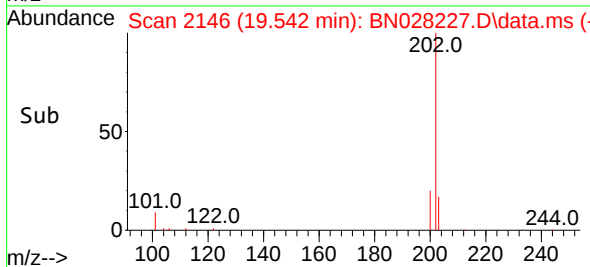
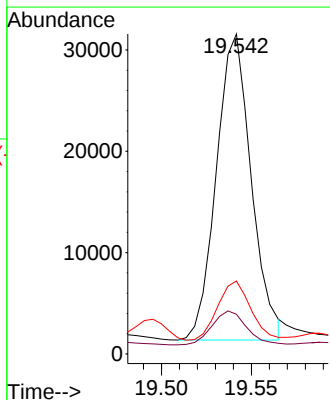
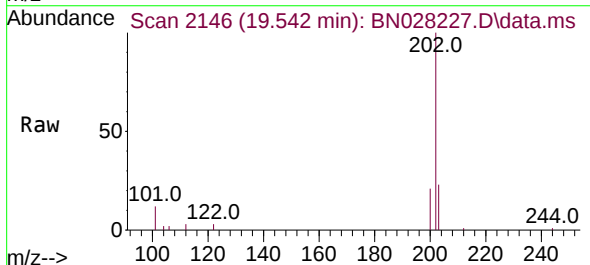
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

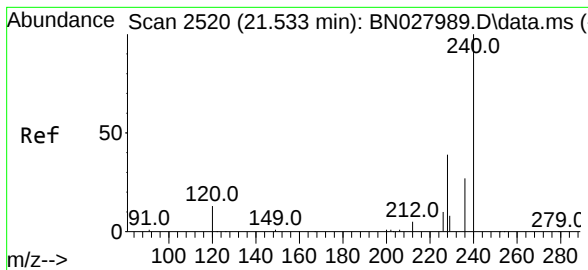
Tgt Ion:212 Resp: 1481
Ion Ratio Lower Upper
212 100
106 124.9 11.3 16.9#
104 29.3 6.4 9.6#



#28
Fluoranthene
Concen: 1.032 ng
RT: 19.542 min Scan# 2146
Delta R.T. 0.158 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:202 Resp: 40687
Ion Ratio Lower Upper
202 100
101 11.0 9.8 14.6
203 18.3 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: BN028227.D

Acq: 11 Oct 2023 10:10

Instrument :

BNA_N

ClientSampleId :

Q-4(0-5)

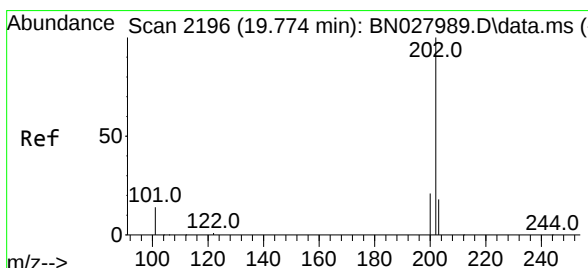
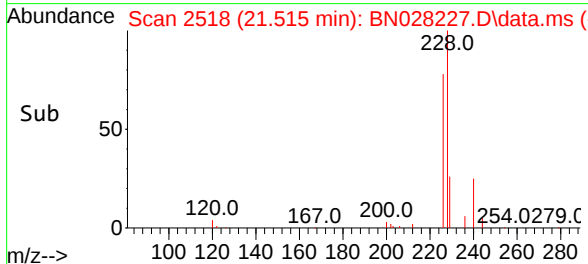
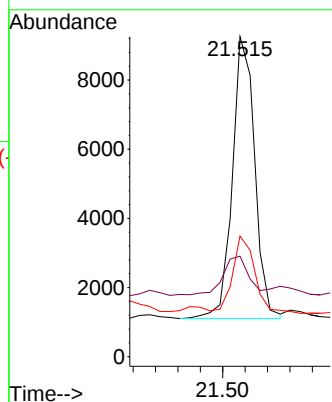
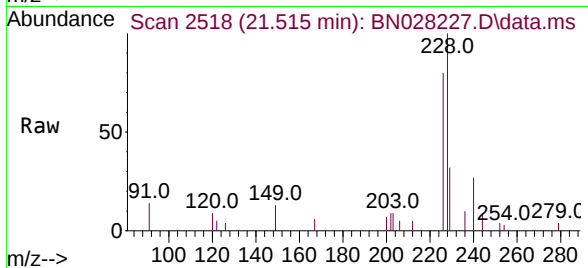
Tgt Ion:240 Resp: 11321

Ion Ratio Lower Upper

240 100

120 31.4 13.8 20.6#

236 37.7 22.6 33.8#



#30

Pyrene

Concen: 7.486 ng

RT: 19.755 min Scan# 2192

Delta R.T. 0.005 min

Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

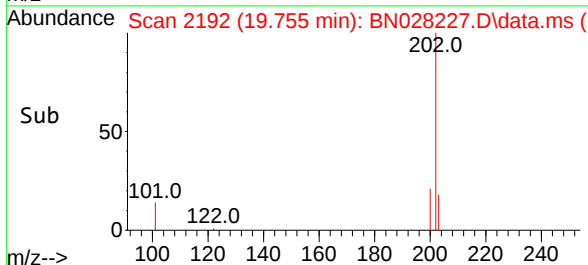
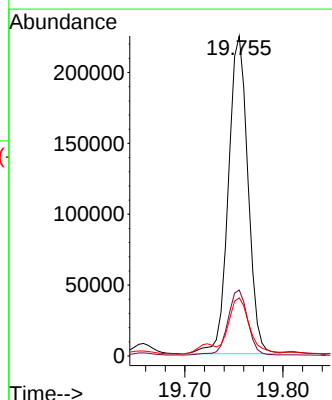
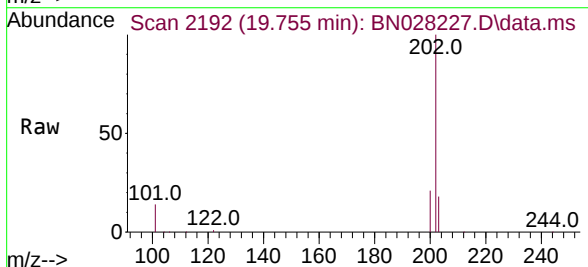
Tgt Ion:202 Resp: 310753

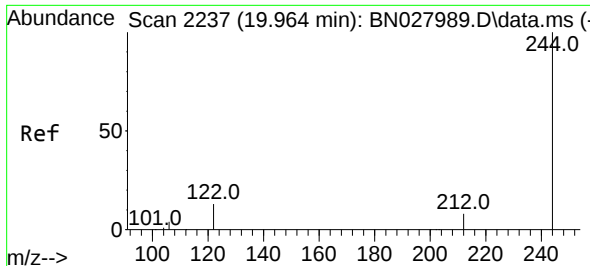
Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

203 18.5 14.7 22.1

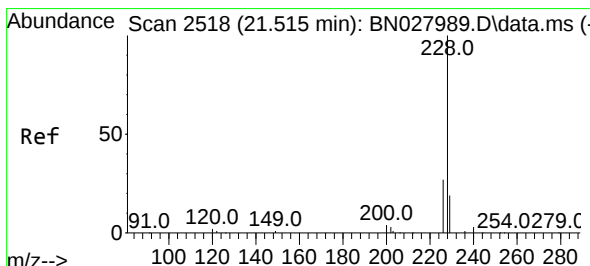
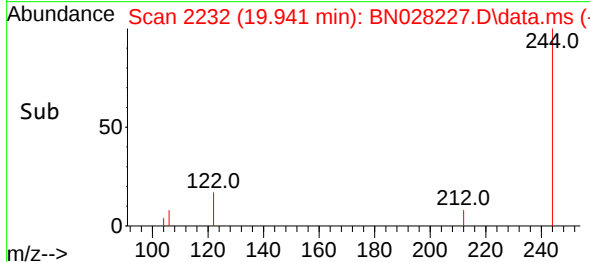
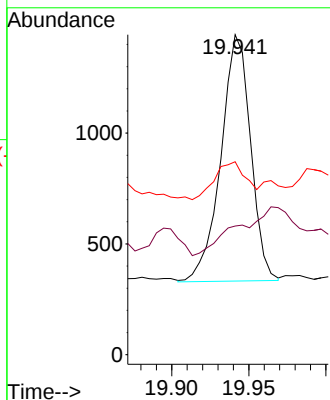
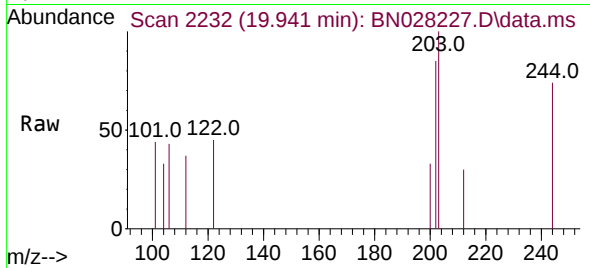




#31
 Terphenyl-d14
 Concen: 0.056 ng
 RT: 19.941 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN028227.D
 Acq: 11 Oct 2023 10:10

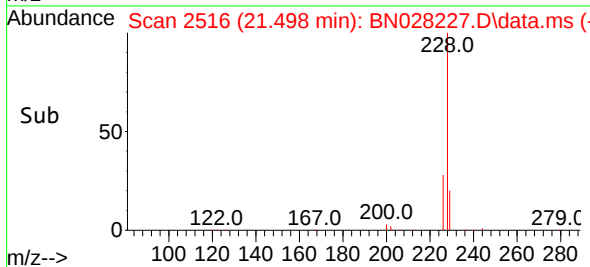
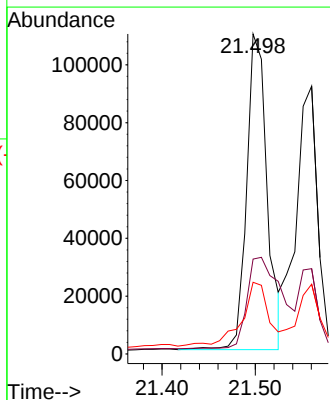
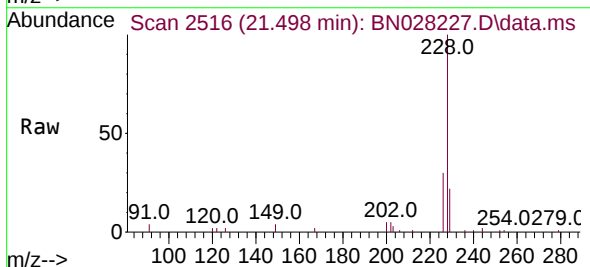
Instrument :
 BNA_N
 ClientSampleId :
 Q-4(0-5)

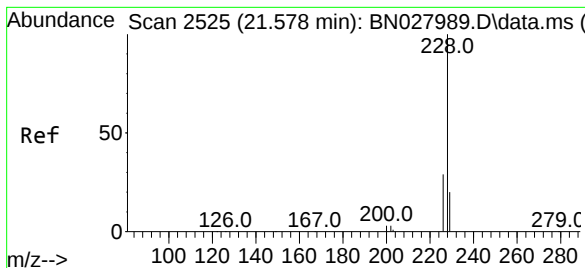
Tgt Ion:244 Resp: 1491
 Ion Ratio Lower Upper
 244 100
 212 40.2 6.6 9.8#
 122 60.3 11.4 17.0#



#32
 Benzo(a)anthracene
 Concen: 4.335 ng
 RT: 21.498 min Scan# 2516
 Delta R.T. 0.000 min
 Lab File: BN028227.D
 Acq: 11 Oct 2023 10:10

Tgt Ion:228 Resp: 167012
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.0 33.0
 229 22.4 16.0 24.0





#33

Chrysene

Concen: 3.962 ng

RT: 21.560 min Scan# 2150

Delta R.T. 0.009 min

Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

Instrument :

BNA_N

ClientSampleId :

Q-4(0-5)

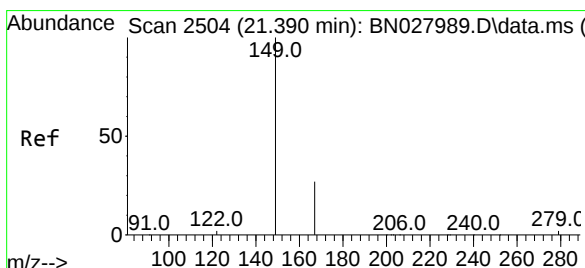
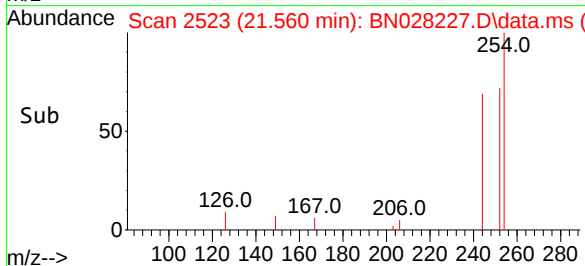
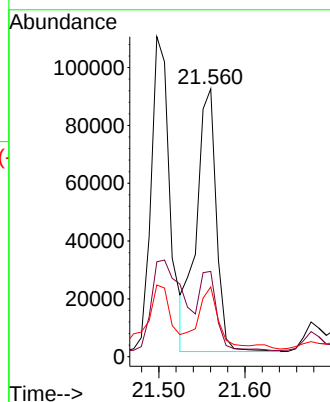
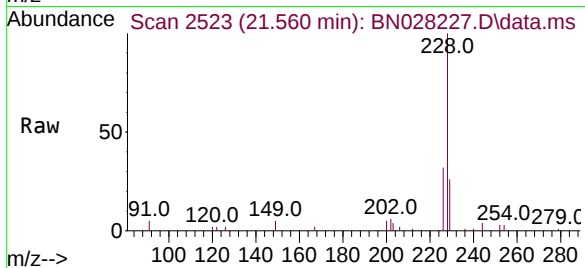
Tgt Ion:228 Resp: 147096

Ion Ratio Lower Upper

228 100

226 31.9 23.8 35.8

229 26.0 16.6 25.0#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.100 ng

RT: 21.372 min Scan# 2502

Delta R.T. 0.009 min

Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

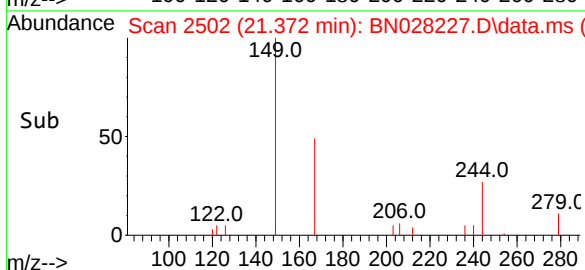
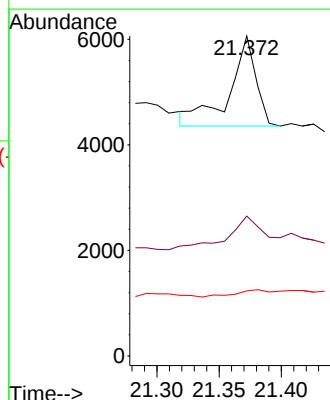
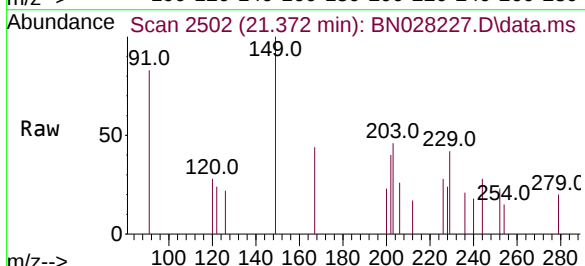
Tgt Ion:149 Resp: 2529

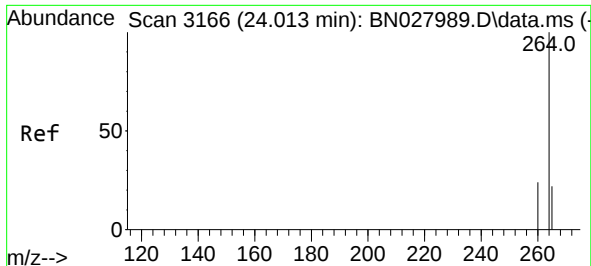
Ion Ratio Lower Upper

149 100

167 52.5 22.1 33.1#

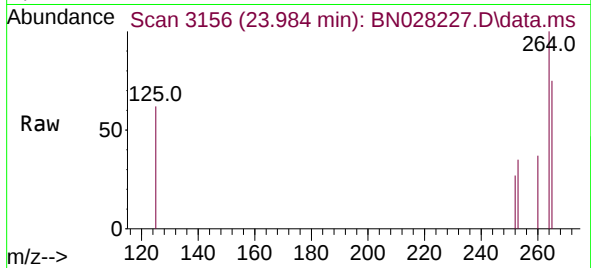
279 10.0 3.4 5.0#



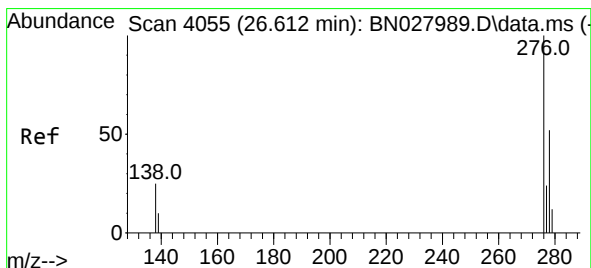
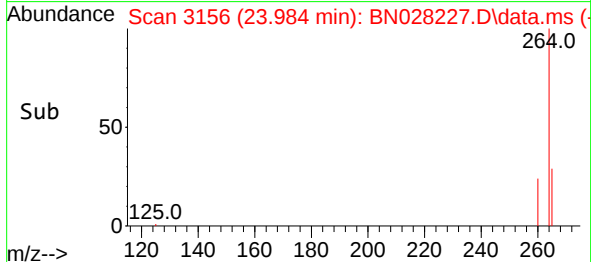
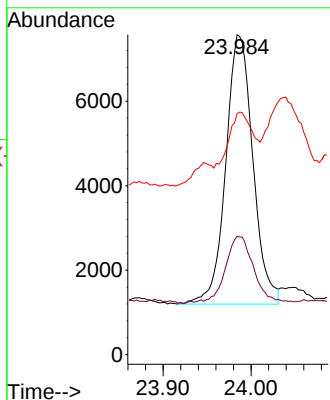


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.984 min Scan# 3166
Delta R.T. 0.009 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

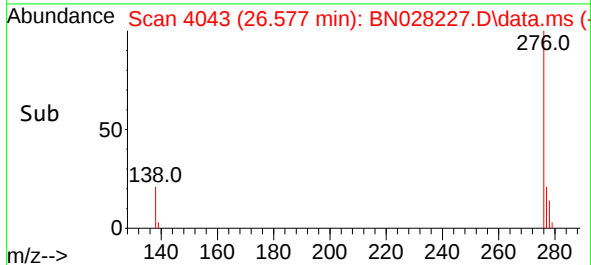
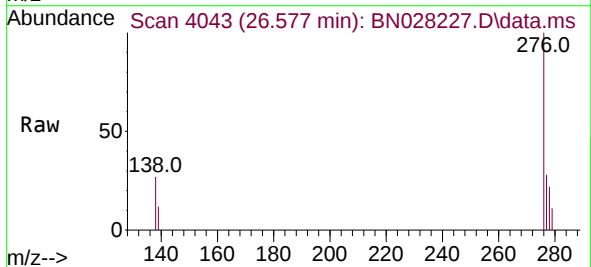
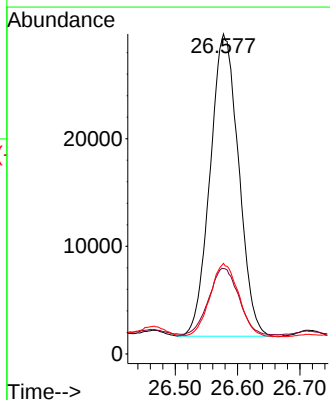


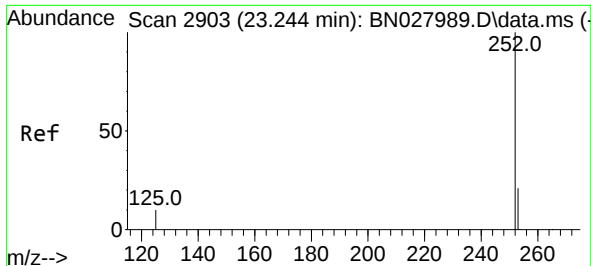
Tgt Ion:264 Resp: 13719
Ion Ratio Lower Upper
264 100
260 37.0 20.2 30.4#
265 75.3 54.8 82.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.931 ng
RT: 26.577 min Scan# 4043
Delta R.T. 0.021 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:276 Resp: 89106
Ion Ratio Lower Upper
276 100
138 22.9 20.9 31.3
277 24.6 19.8 29.6

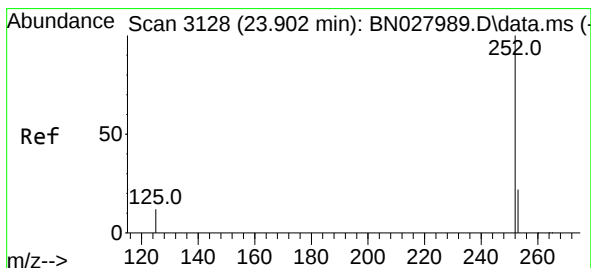
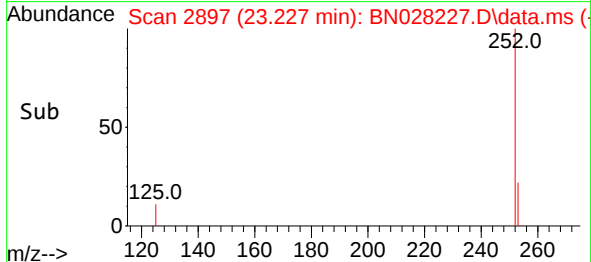
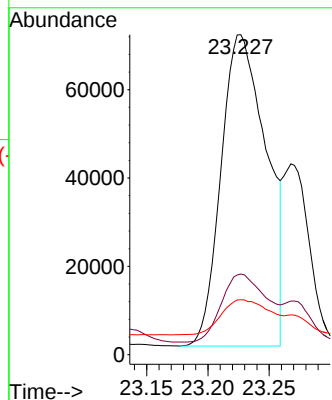
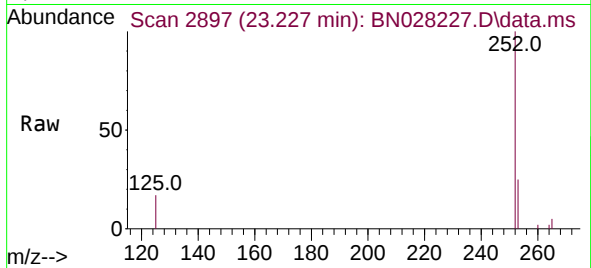




#37
Benzo(b)fluoranthene
Concen: 4.106 ng
RT: 23.227 min Scan# 21
Delta R.T. 0.015 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

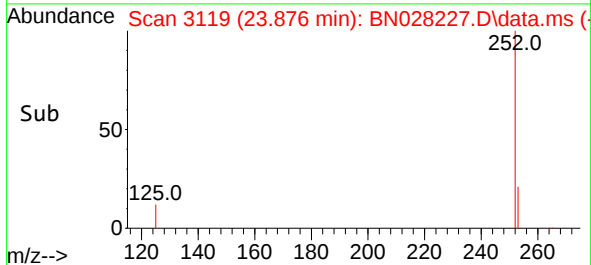
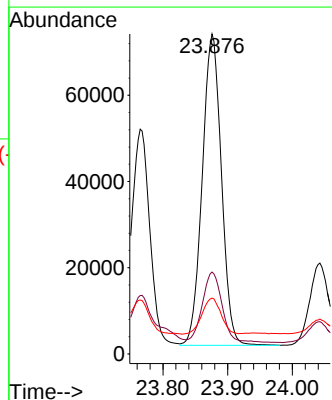
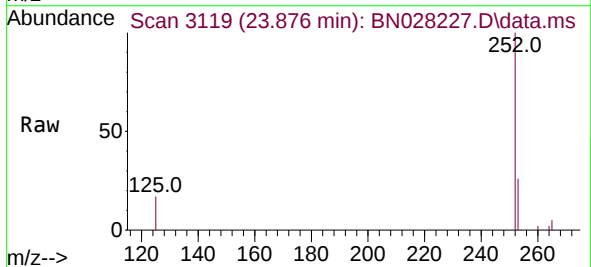
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

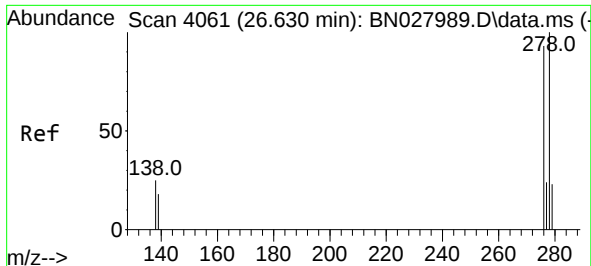
Tgt Ion:252 Resp: 181923
Ion Ratio Lower Upper
252 100
253 25.2 22.9 34.3
125 17.2 13.8 20.8



#39
Benzo(a)pyrene
Concen: 3.537 ng
RT: 23.876 min Scan# 3119
Delta R.T. 0.012 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:252 Resp: 148192
Ion Ratio Lower Upper
252 100
253 25.6 25.0 37.4
125 17.5 16.6 24.8

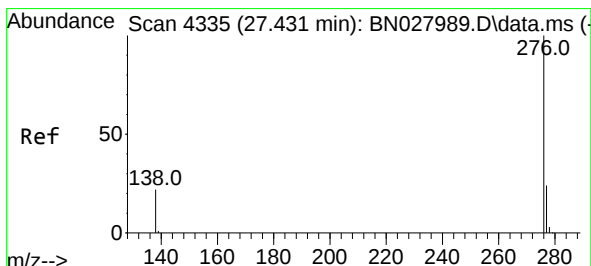
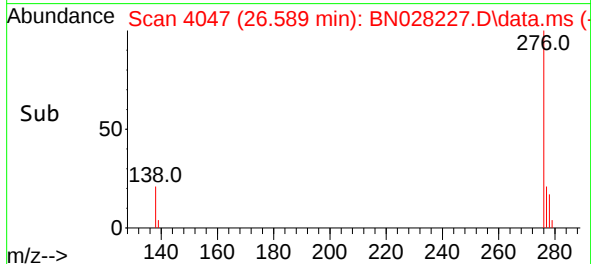
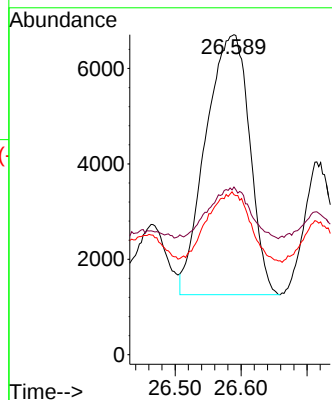
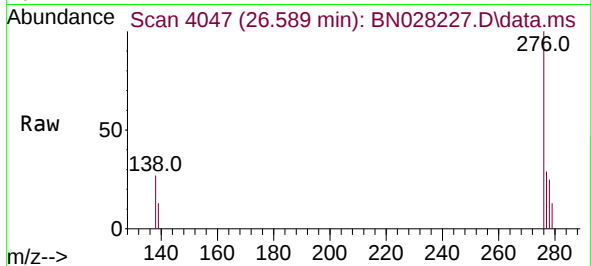




#40
Dibenzo(a,h)anthracene
Concen: 0.665 ng
RT: 26.589 min Scan# 4061
Delta R.T. 0.012 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

Tgt Ion:278 Resp: 25119
Ion Ratio Lower Upper
278 100
139 52.4 17.7 26.5#
279 50.0 25.2 37.8#



#41
Benzo(g,h,i)perylene
Concen: 2.317 ng
RT: 27.399 min Scan# 4324
Delta R.T. 0.032 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:276 Resp: 89782
Ion Ratio Lower Upper
276 100
277 28.7 22.1 33.1
138 28.2 20.8 31.2

