

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029122.D
 Acq On : 08 Dec 2023 11:07
 Operator : MA/JU
 Sample : 05425-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 O-1(20)(15-20)

Quant Time: Dec 08 11:38:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 00:49:47 2023
 Response via : Initial Calibration

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

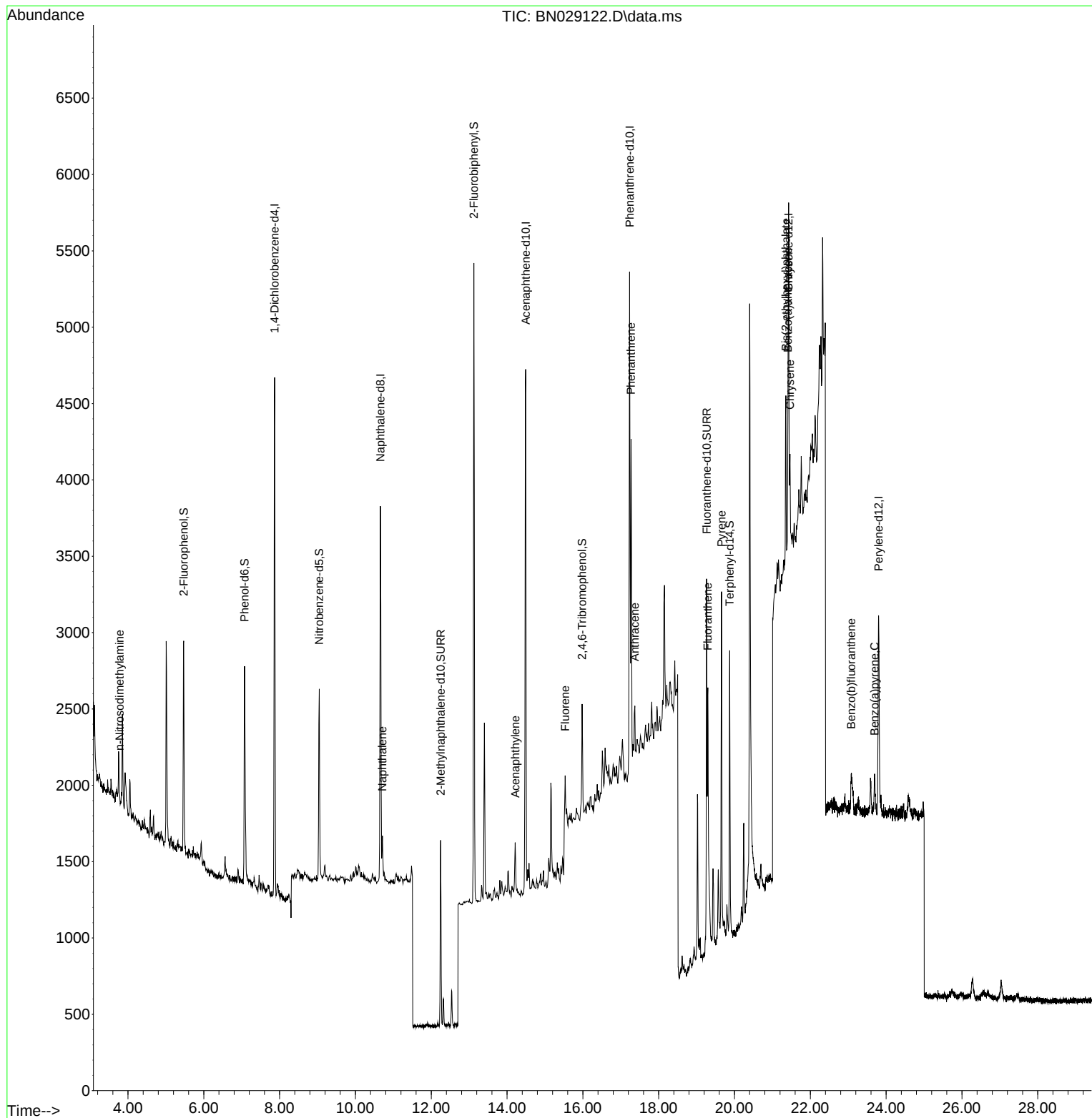
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	1678	0.400	ng	0.09
7) Naphthalene-d8	10.658	136	3268	0.400	ng	0.10
13) Acenaphthene-d10	14.492	164	2016	0.400	ng	0.10
19) Phenanthrene-d10	17.233	188	4277	0.400	ng	# 0.09
29) Chrysene-d12	21.427	240	1818	0.400	ng	# 0.08
35) Perylene-d12	23.801	264	1852	0.400	ng	# 0.13
System Monitoring Compounds						
4) 2-Fluorophenol	5.471	112	1089	0.287	ng	0.08
5) Phenol-d6	7.074	99	1266	0.279	ng	0.09
8) Nitrobenzene-d5	9.046	82	1223	0.310	ng	0.11
11) 2-Methylnaphthalene-d10	12.249	152	1583	0.231	ng	0.10
14) 2,4,6-Tribromophenol	15.980	330	404	0.181	ng	0.09
15) 2-Fluorobiphenyl	13.124	172	3409	0.327	ng	0.10
27) Fluoranthene-d10	19.264	212	2764	0.206	ng	0.08
31) Terphenyl-d14	19.873	244	1666	0.362	ng	0.08
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.781	42	18	0.022	ng	# 1
9) Naphthalene	10.712	128	334	0.033	ng	# 62
16) Acenaphthylene	14.214	152	353	0.032	ng	# 94
18) Fluorene	15.533	166	251	0.023	ng	92
25) Phenanthrene	17.270	178	2248	0.157	ng	# 95
26) Anthracene	17.370	178	375	0.027	ng	# 92
28) Fluoranthene	19.292	202	1346	0.069	ng	# 94
30) Pyrene	19.659	202	1945	0.173	ng	# 93
32) Benzo(a)anthracene	21.409	228	485	0.053	ng	# 53
33) Chrysene	21.463	228	467	0.051	ng	# 61
34) Bis(2-ethylhexyl)phtha...	21.356	149	1133	0.199	ng	99
37) Benzo(b)fluoranthene	23.079	252	455	0.046	ng	# 1
39) Benzo(a)pyrene	23.693	252	394	0.048	ng	# 1

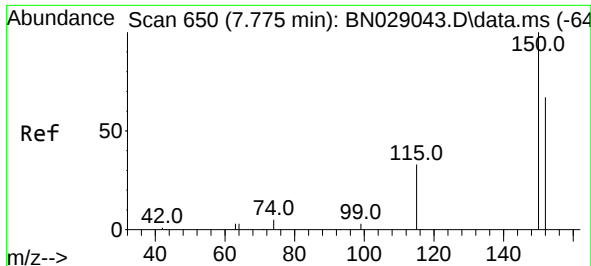
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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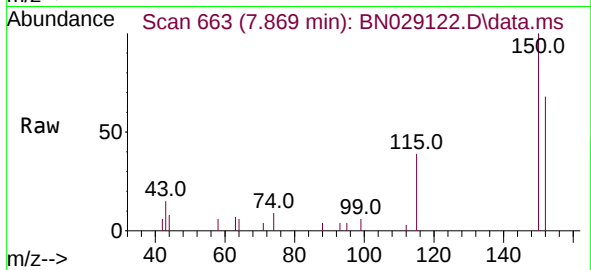
Quant Time: Dec 08 11:38:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
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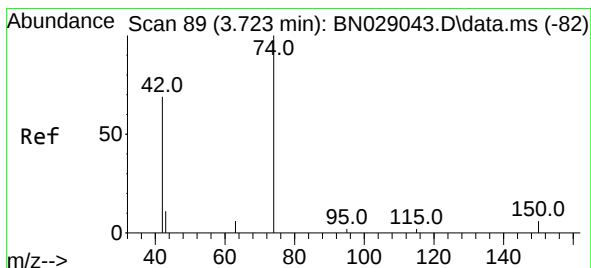
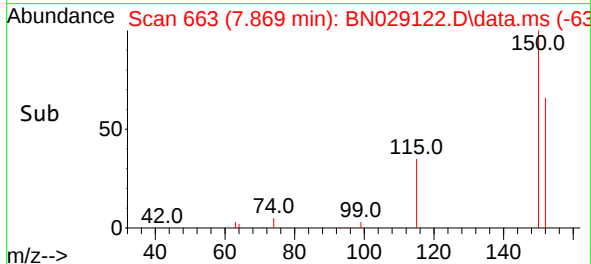
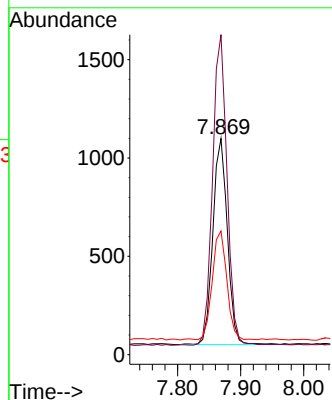


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.869 min Scan# 61
Delta R.T. 0.094 min
Lab File: BN029122.D
Acq: 08 Dec 2023 11:07

Instrument :
BNA_N
ClientSampleId :
O-1(20)(15-20)

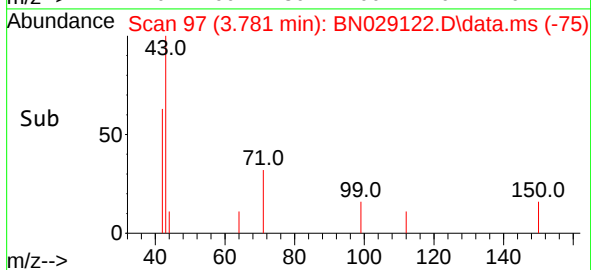
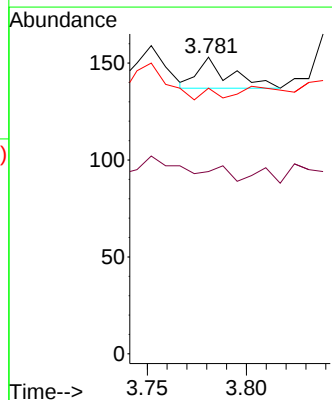
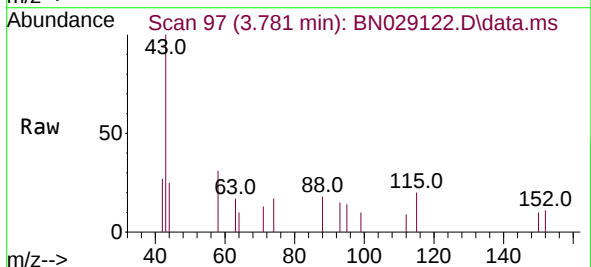


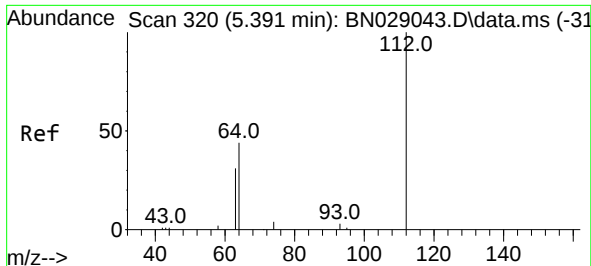
Tgt Ion:152 Resp: 1678
Ion Ratio Lower Upper
152 100
150 148.0 116.2 174.4
115 57.2 45.1 67.7



#3
n-Nitrosodimethylamine
Concen: 0.022 ng
RT: 3.781 min Scan# 97
Delta R.T. 0.058 min
Lab File: BN029122.D
Acq: 08 Dec 2023 11:07

Tgt Ion: 42 Resp: 18
Ion Ratio Lower Upper
42 100
74 0.0 106.3 159.5#
44 0.0 0.0 0.0





#4

2-Fluorophenol

Concen: 0.287 ng

RT: 5.471 min Scan# 31

Delta R.T. 0.079 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

Instrument :

BNA_N

ClientSampleId :

O-1(20)(15-20)

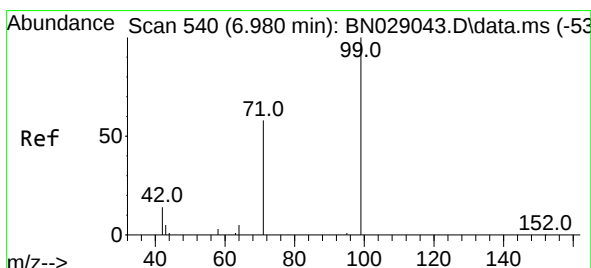
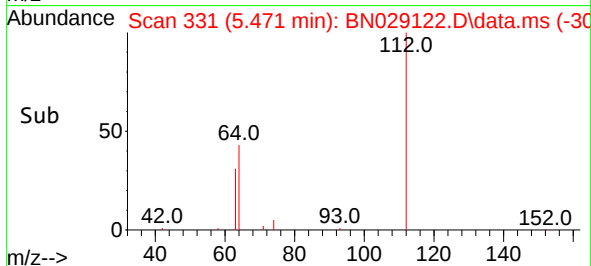
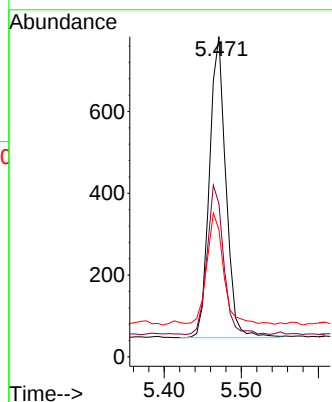
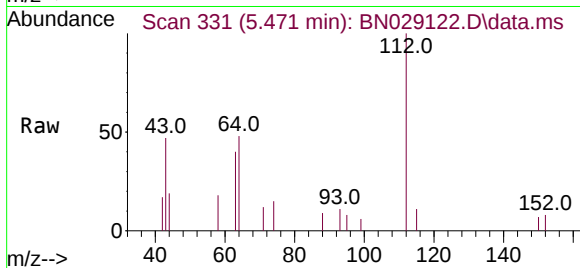
Tgt Ion:112 Resp: 1089

Ion Ratio Lower Upper

112 100

64 49.6 37.0 55.6

63 38.8 29.0 43.6



#5

Phenol-d6

Concen: 0.279 ng

RT: 7.074 min Scan# 553

Delta R.T. 0.094 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

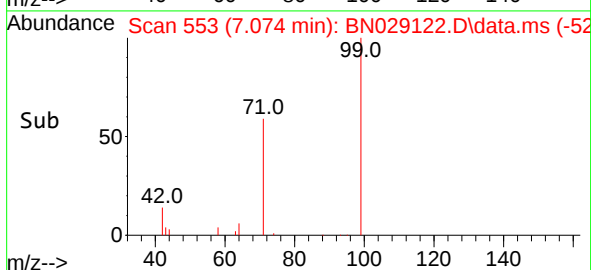
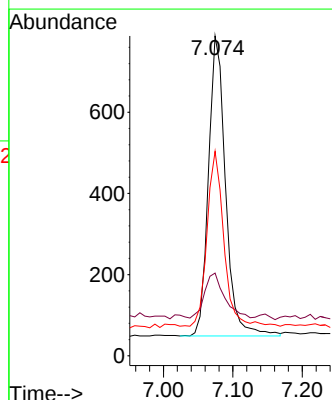
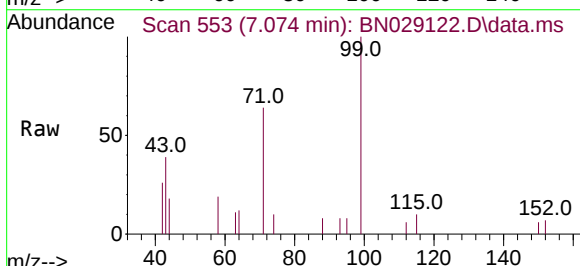
Tgt Ion: 99 Resp: 1266

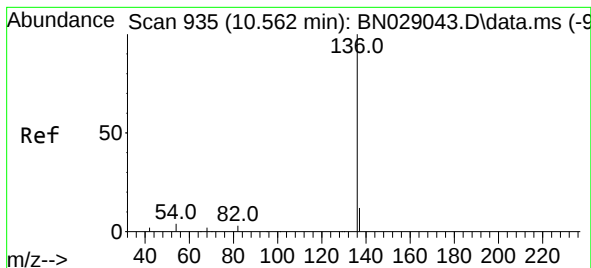
Ion Ratio Lower Upper

99 100

42 17.5 13.4 20.2

71 58.1 47.8 71.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.658 min Scan# 94

Delta R.T. 0.096 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

Instrument :

BNA_N

ClientSampleId :

O-1(20)(15-20)

Tgt Ion:136 Resp: 3268

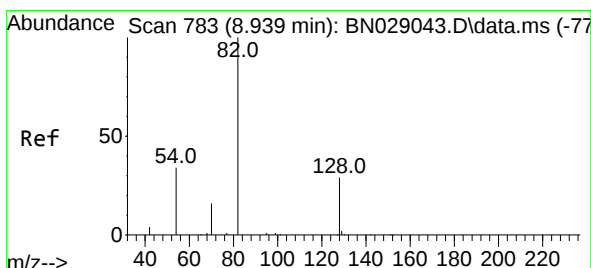
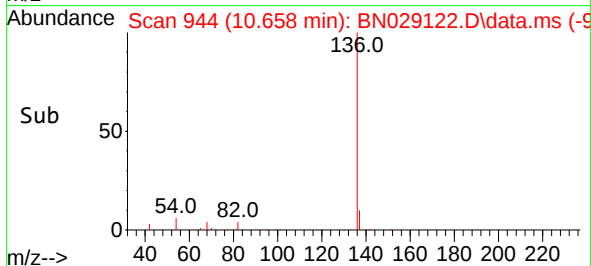
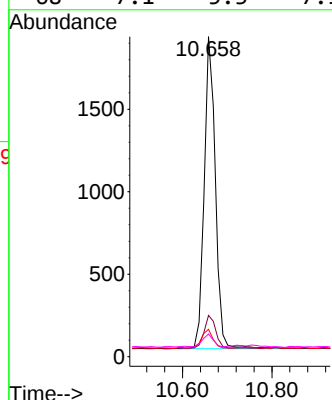
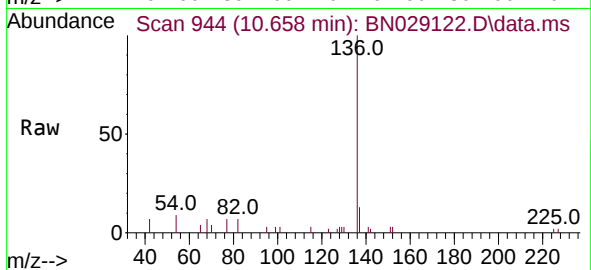
Ion Ratio Lower Upper

136 100

137 12.9 11.9 17.9

54 8.6 6.4 9.6

68 7.1 5.3 7.9



#8

Nitrobenzene-d5

Concen: 0.310 ng

RT: 9.046 min Scan# 793

Delta R.T. 0.107 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

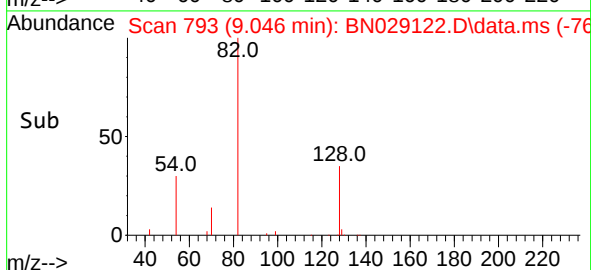
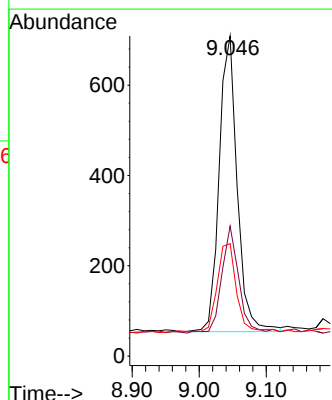
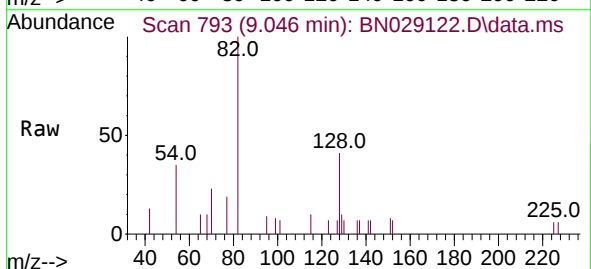
Tgt Ion: 82 Resp: 1223

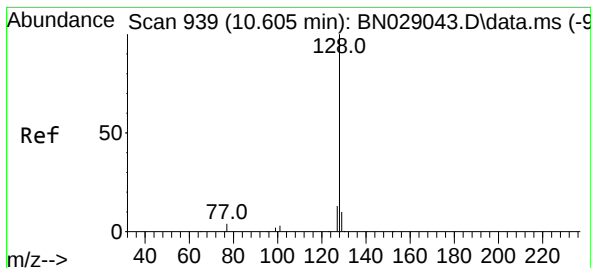
Ion Ratio Lower Upper

82 100

128 40.6 28.2 42.4

54 35.1 32.1 48.1





#9

Naphthalene

Concen: 0.033 ng

RT: 10.712 min Scan# 949

Delta R.T. 0.107 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

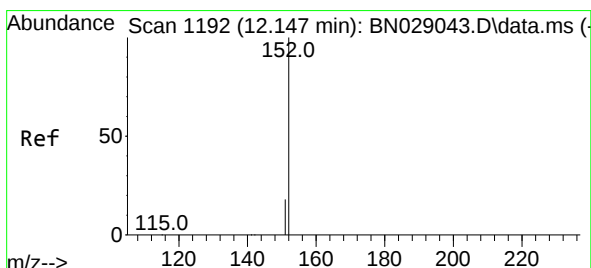
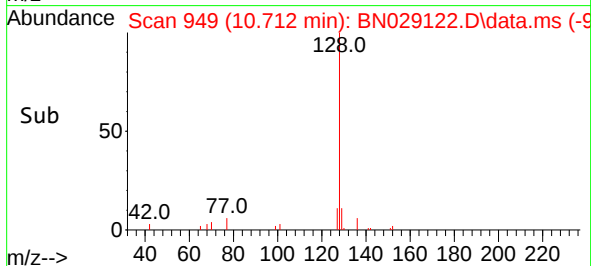
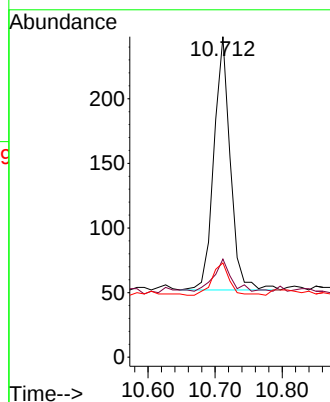
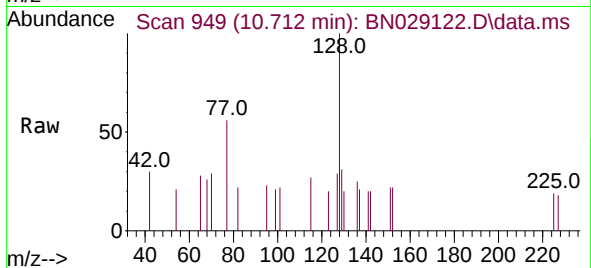
Instrument :

BNA_N

ClientSampleId :

O-1(20)(15-20)

Tgt Ion:128	Resp:	334
Ion Ratio	Lower	Upper
128	100	
129	30.6	10.5 15.7#
127	29.4	12.5 18.7#



#11

2-Methylnaphthalene-d10

Concen: 0.231 ng

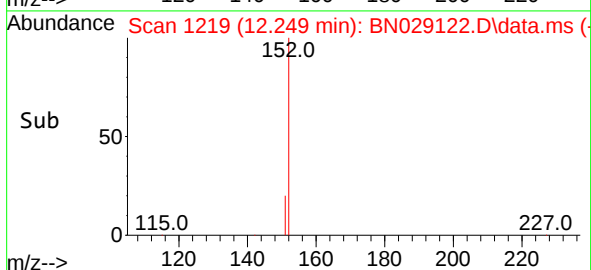
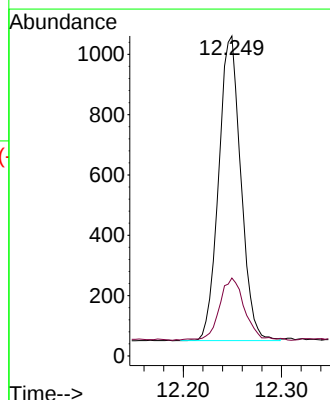
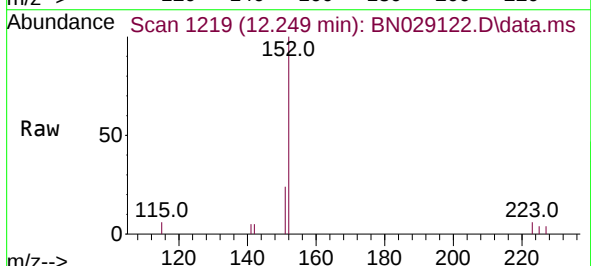
RT: 12.249 min Scan# 1219

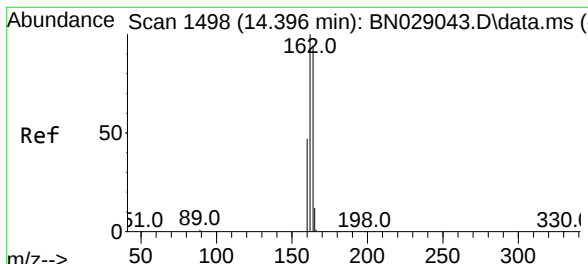
Delta R.T. 0.102 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

Tgt Ion:152	Resp:	1583
Ion Ratio	Lower	Upper
152	100	
151	23.2	17.4 26.0

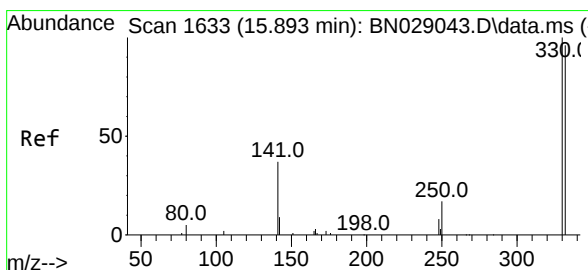
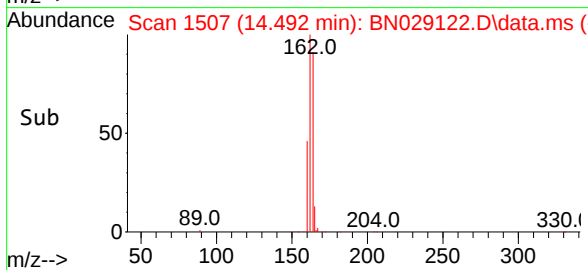
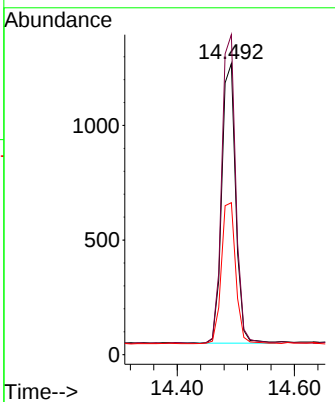
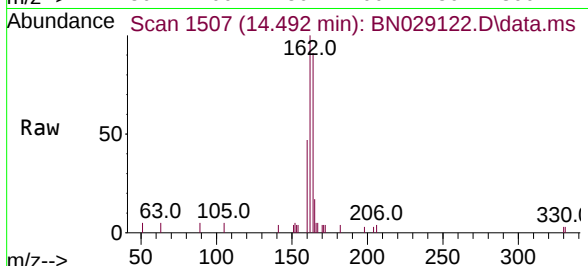




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.492 min Scan# 11
 Delta R.T. 0.096 min
 Lab File: BN029122.D
 Acq: 08 Dec 2023 11:07

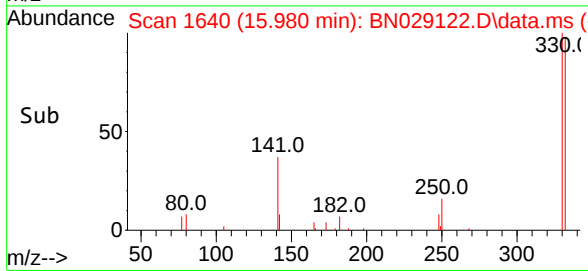
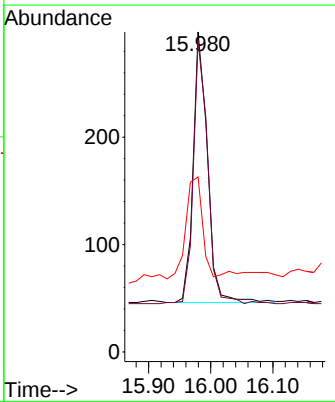
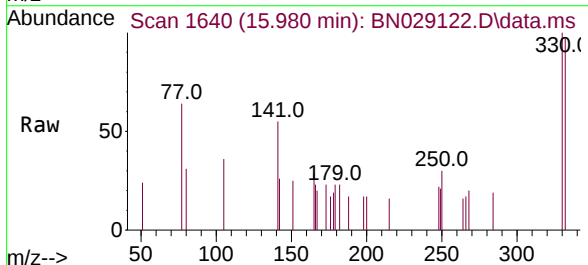
Instrument :
 BNA_N
 ClientSampleId :
 O-1(20)(15-20)

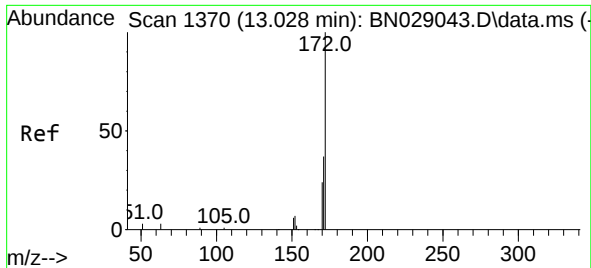
Tgt Ion:	164	Resp:	2016
Ion	Ratio	Lower	Upper
164	100		
162	109.9	85.0	127.6
160	52.2	41.3	61.9



#14
 2,4,6-Tribromophenol
 Concen: 0.181 ng
 RT: 15.980 min Scan# 1640
 Delta R.T. 0.087 min
 Lab File: BN029122.D
 Acq: 08 Dec 2023 11:07

Tgt Ion:	330	Resp:	404
Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.8	118.2
141	44.1	28.7	43.1

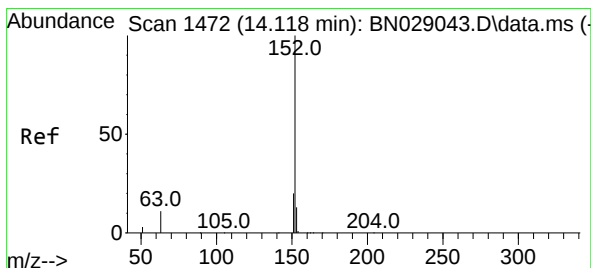
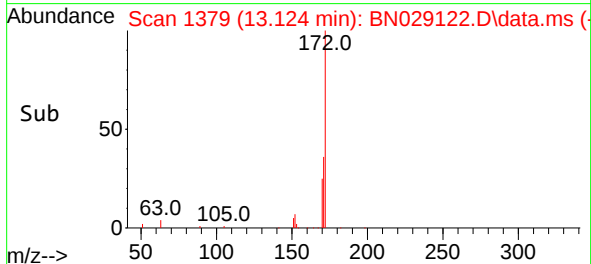
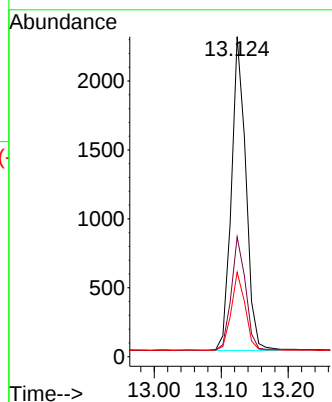
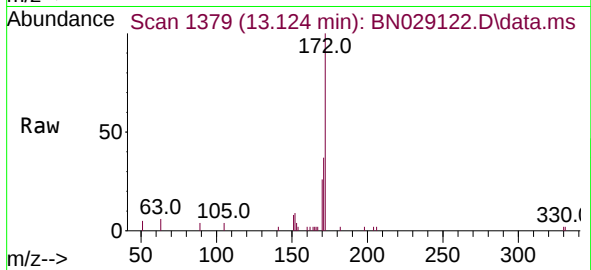




#15
2-Fluorobiphenyl
Concen: 0.327 ng
RT: 13.124 min Scan# 11
Delta R.T. 0.096 min
Lab File: BN029122.D
Acq: 08 Dec 2023 11:07

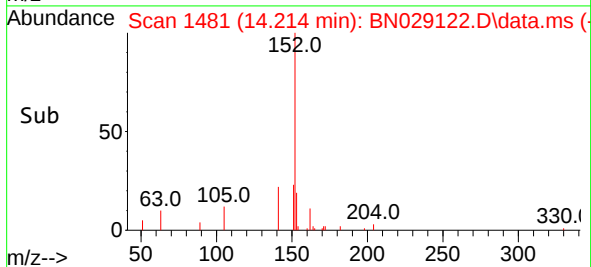
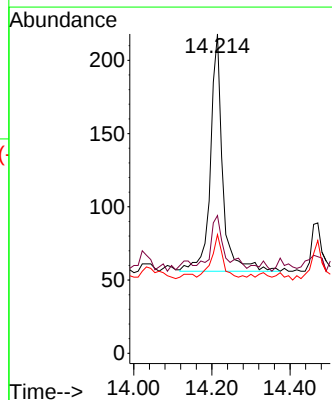
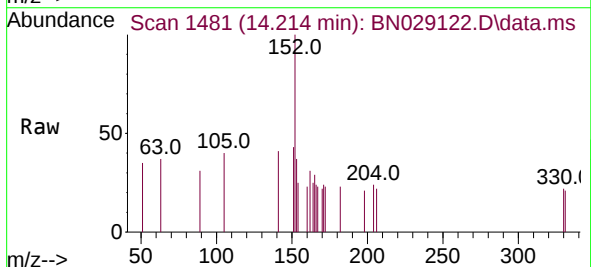
Instrument :
BNA_N
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O-1(20)(15-20)

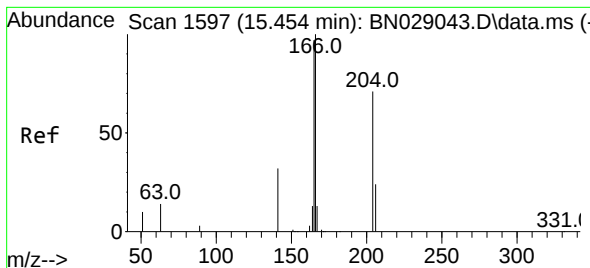
Tgt Ion:172 Resp: 3409
Ion Ratio Lower Upper
172 100
171 37.4 30.1 45.1
170 26.4 20.3 30.5



#16
Acenaphthylene
Concen: 0.032 ng
RT: 14.214 min Scan# 1481
Delta R.T. 0.096 min
Lab File: BN029122.D
Acq: 08 Dec 2023 11:07

Tgt Ion:152 Resp: 353
Ion Ratio Lower Upper
152 100
151 18.1 15.8 23.6
153 16.4 10.3 15.5#





#18

Fluorene

Concen: 0.023 ng

RT: 15.533 min Scan# 1

Delta R.T. 0.078 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

Instrument :

BNA_N

ClientSampleId :

O-1(20)(15-20)

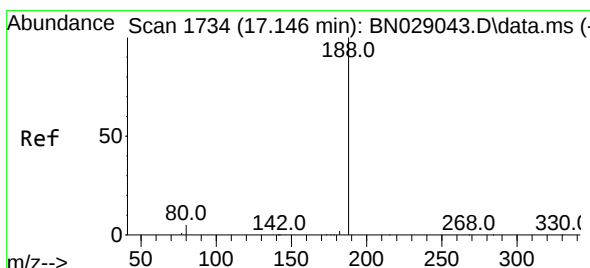
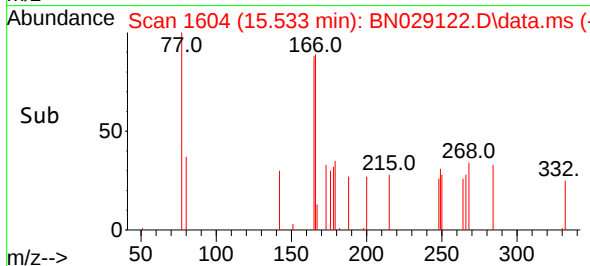
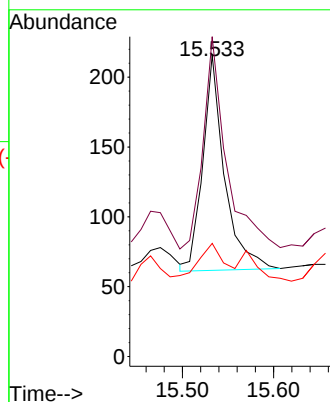
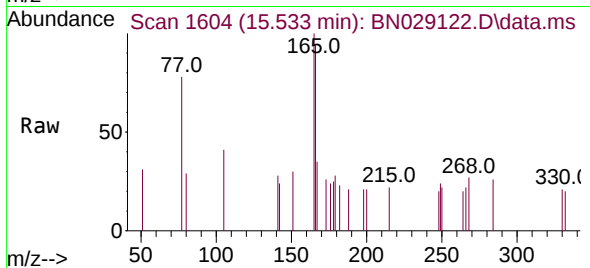
Tgt Ion:166 Resp: 251

Ion Ratio Lower Upper

166 100

165 108.4 80.2 120.4

167 16.3 11.0 16.4



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.233 min Scan# 1741

Delta R.T. 0.087 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

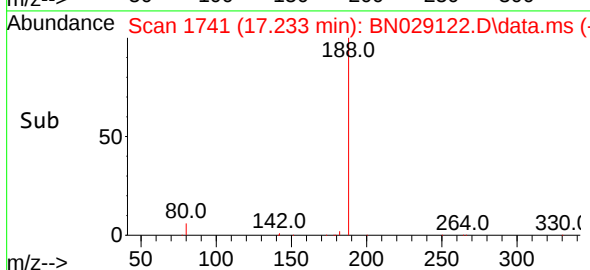
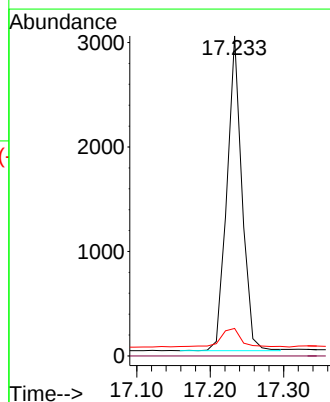
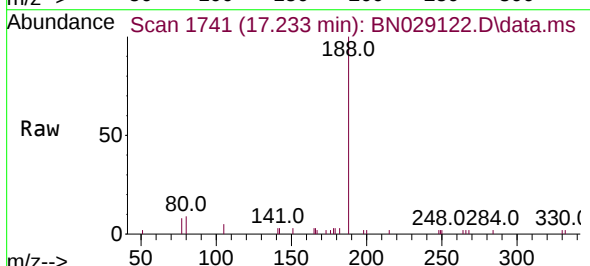
Tgt Ion:188 Resp: 4277

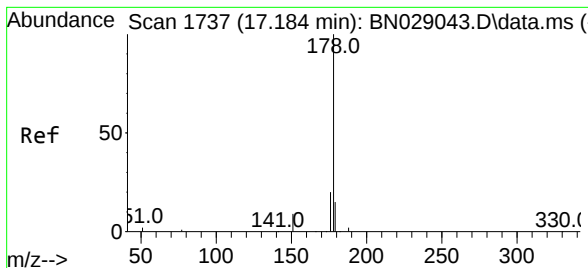
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.6 5.4 8.0#





#25

Phenanthrene

Concen: 0.157 ng

RT: 17.270 min Scan# 1752

Delta R.T. 0.087 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

Instrument :

BNA_N

ClientSampleId :

O-1(20)(15-20)

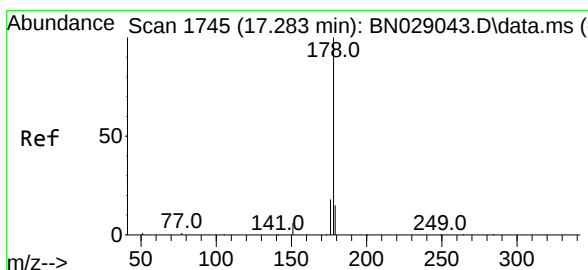
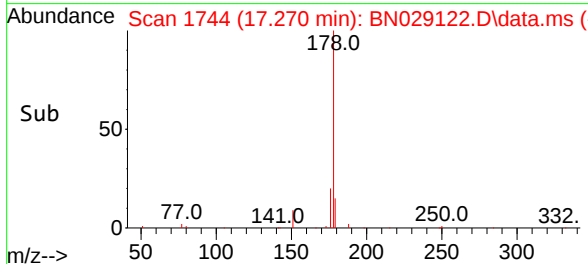
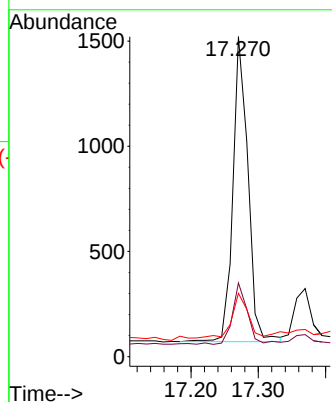
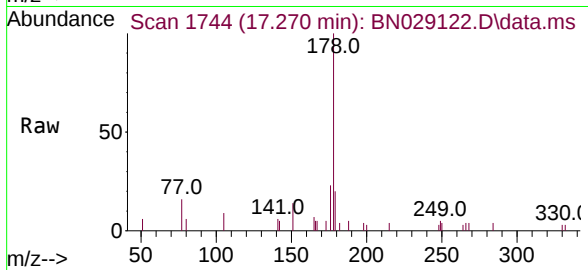
Tgt Ion:178 Resp: 2248

Ion Ratio Lower Upper

178 100

176 20.2 15.6 23.4

179 20.0 12.6 18.8#



#26

Anthracene

Concen: 0.027 ng

RT: 17.370 min Scan# 1752

Delta R.T. 0.087 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

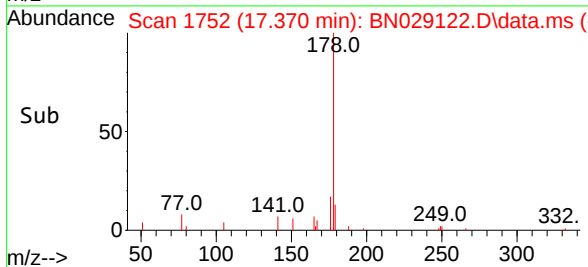
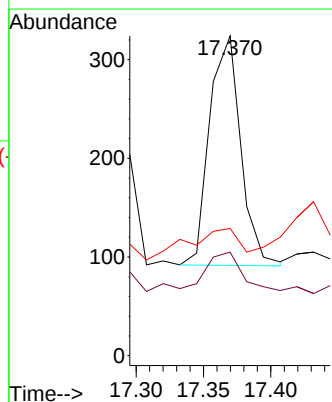
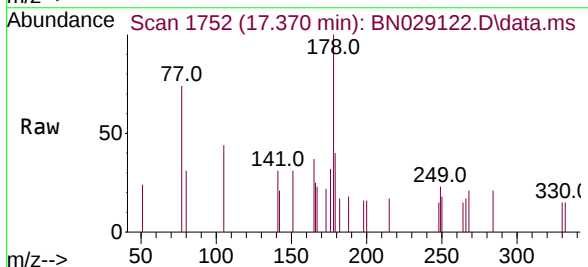
Tgt Ion:178 Resp: 375

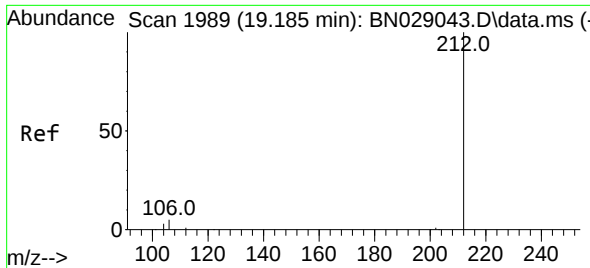
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 22.7 12.6 19.0#

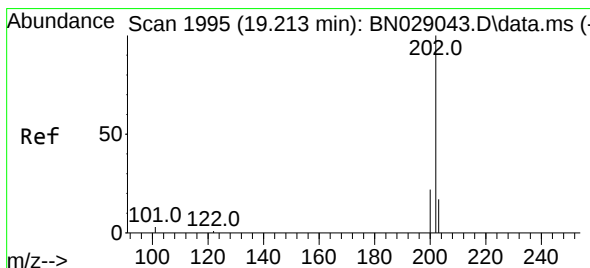
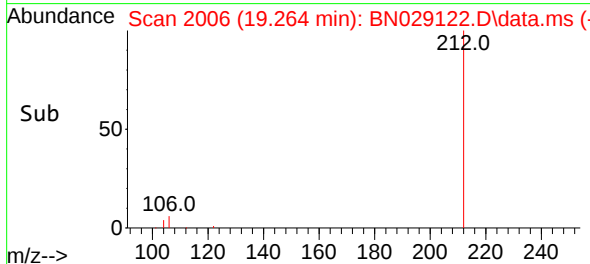
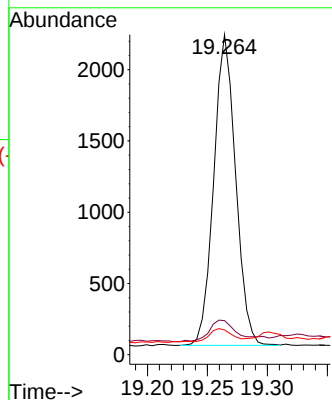
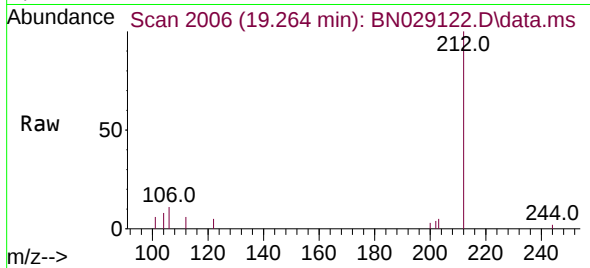




#27
Fluoranthene-d10
Concen: 0.206 ng
RT: 19.264 min Scan# 2006
Delta R.T. 0.079 min
Lab File: BN029122.D
Acq: 08 Dec 2023 11:07

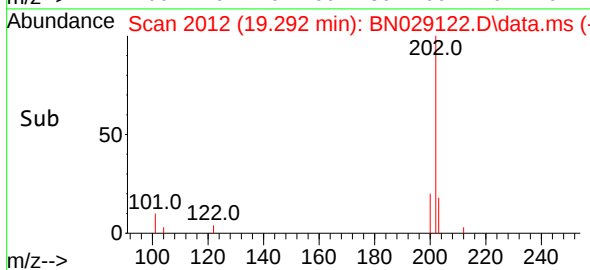
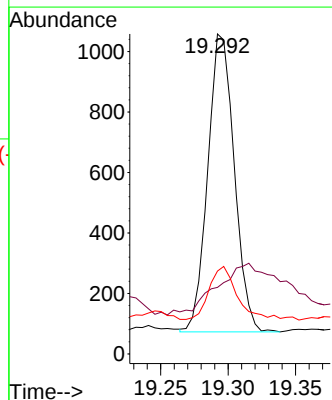
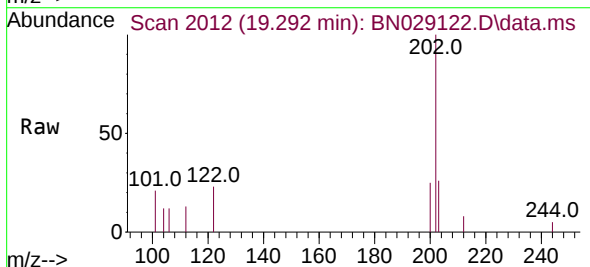
Instrument :
BNA_N
ClientSampleId :
O-1(20)(15-20)

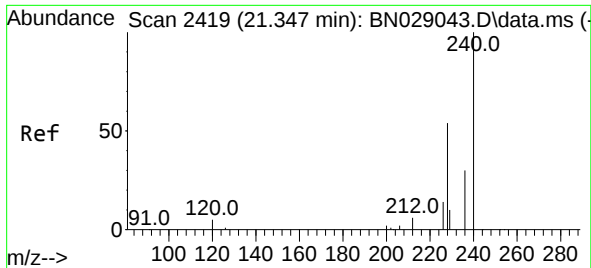
Tgt Ion:212 Resp: 2764
Ion Ratio Lower Upper
212 100
106 9.4 3.9 5.9#
104 4.8 2.6 3.8#



#28
Fluoranthene
Concen: 0.069 ng
RT: 19.292 min Scan# 2012
Delta R.T. 0.079 min
Lab File: BN029122.D
Acq: 08 Dec 2023 11:07

Tgt Ion:202 Resp: 1346
Ion Ratio Lower Upper
202 100
101 0.0 3.0 4.6#
203 19.5 13.8 20.6

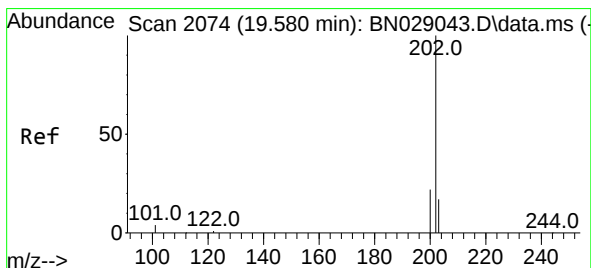
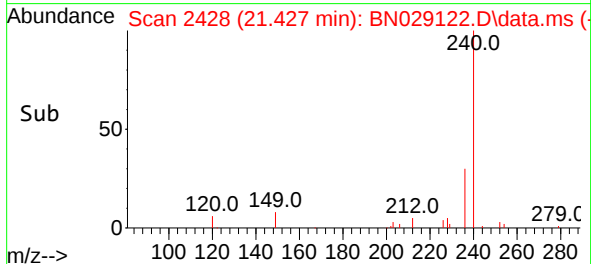
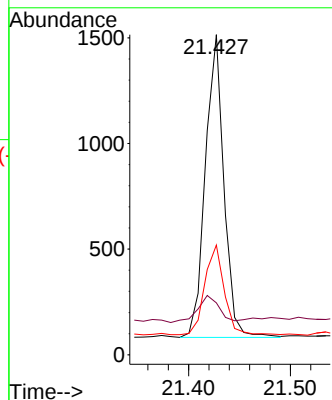
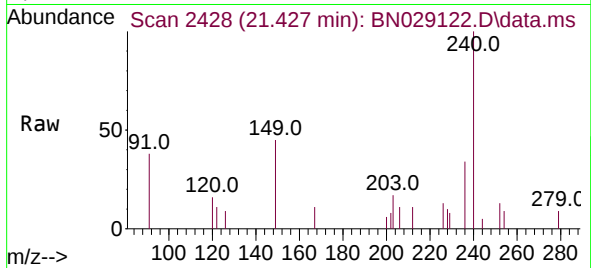




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.427 min Scan# 2419
Delta R.T. 0.081 min
Lab File: BN029122.D
Acq: 08 Dec 2023 11:07

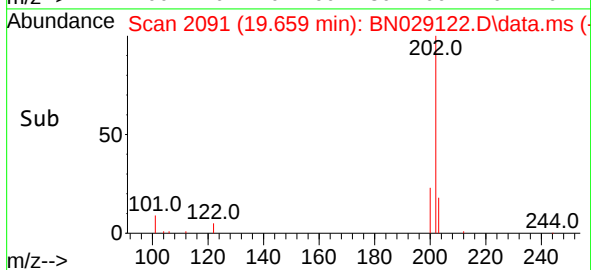
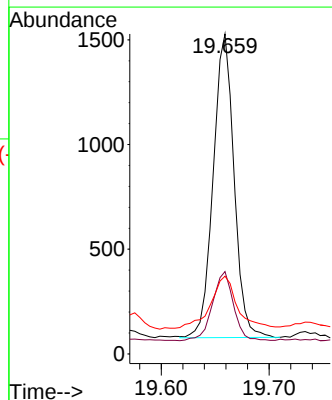
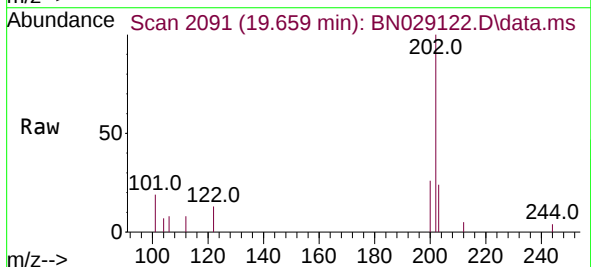
Instrument :
BNA_N
ClientSampleId :
O-1(20)(15-20)

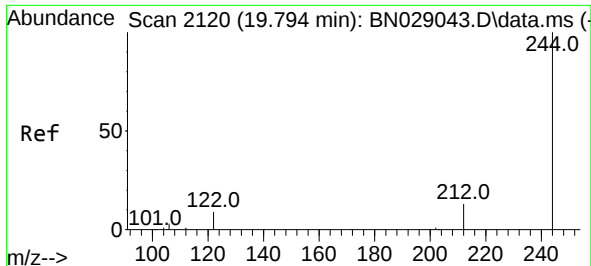
Tgt Ion:240 Resp: 1818
Ion Ratio Lower Upper
240 100
120 16.2 6.7 10.1#
236 34.3 25.7 38.5



#30
Pyrene
Concen: 0.173 ng
RT: 19.659 min Scan# 2091
Delta R.T. 0.079 min
Lab File: BN029122.D
Acq: 08 Dec 2023 11:07

Tgt Ion:202 Resp: 1945
Ion Ratio Lower Upper
202 100
200 23.0 17.0 25.6
203 23.1 14.2 21.4#

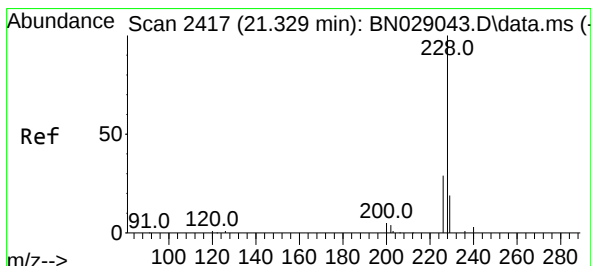
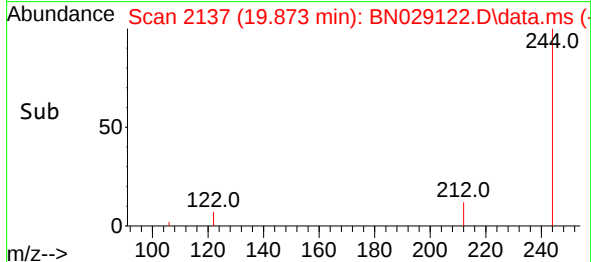
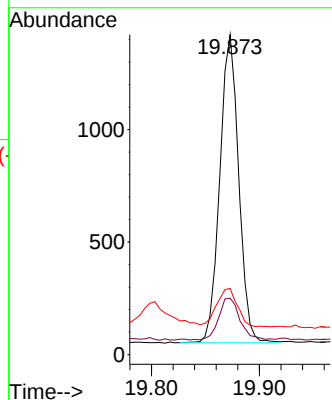
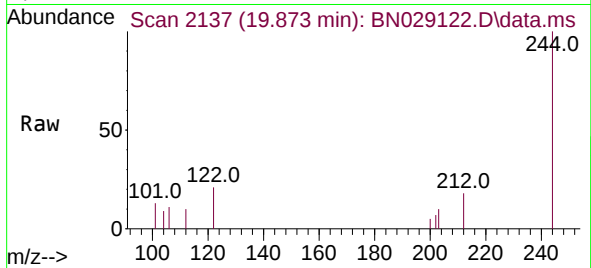




#31
 Terphenyl-d14
 Concen: 0.362 ng
 RT: 19.873 min Scan# 2120
 Delta R.T. 0.079 min
 Lab File: BN029122.D
 Acq: 08 Dec 2023 11:07

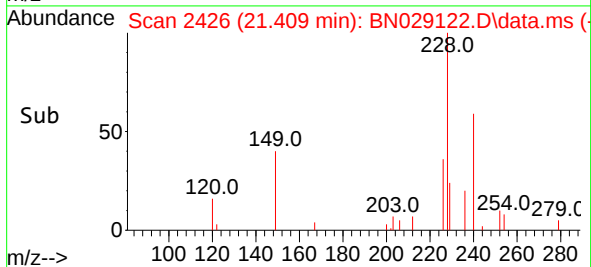
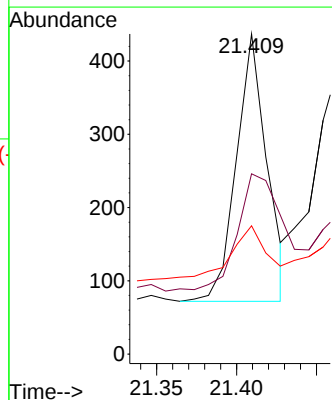
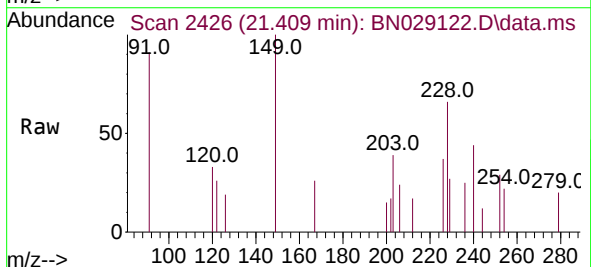
Instrument :
 BNA_N
 ClientSampleId :
 O-1(20)(15-20)

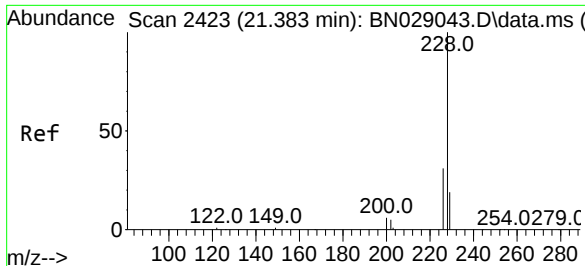
Tgt Ion:244 Resp: 1666
 Ion Ratio Lower Upper
 244 100
 212 17.7 11.6 17.4#
 122 20.7 8.2 12.4#



#32
 Benzo(a)anthracene
 Concen: 0.053 ng
 RT: 21.409 min Scan# 2426
 Delta R.T. 0.081 min
 Lab File: BN029122.D
 Acq: 08 Dec 2023 11:07

Tgt Ion:228 Resp: 485
 Ion Ratio Lower Upper
 228 100
 226 56.3 23.8 35.6#
 229 40.0 16.0 24.0#





#33

Chrysene

Concen: 0.051 ng

RT: 21.463 min Scan# 2423

Delta R.T. 0.081 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

Instrument :

BNA_N

ClientSampleId :

O-1(20)(15-20)

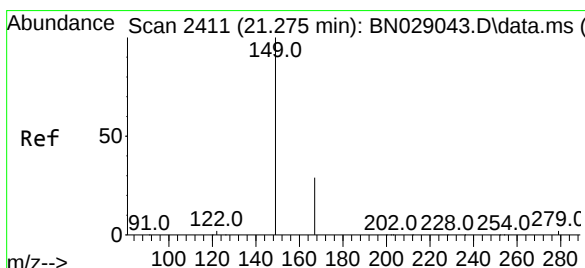
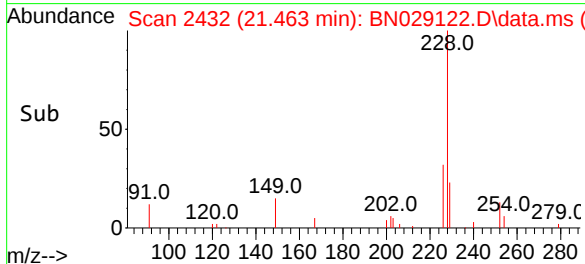
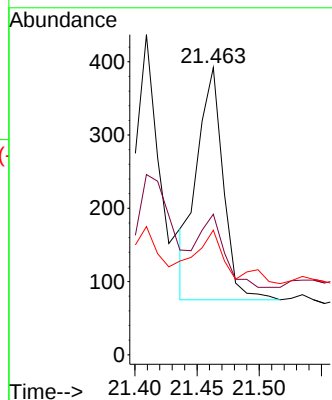
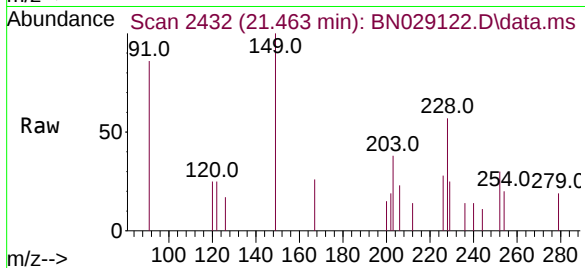
Tgt Ion:228 Resp: 467

Ion Ratio Lower Upper

228 100

226 49.0 25.4 38.0#

229 43.4 16.0 24.0#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.199 ng

RT: 21.356 min Scan# 2420

Delta R.T. 0.081 min

Lab File: BN029122.D

Acq: 08 Dec 2023 11:07

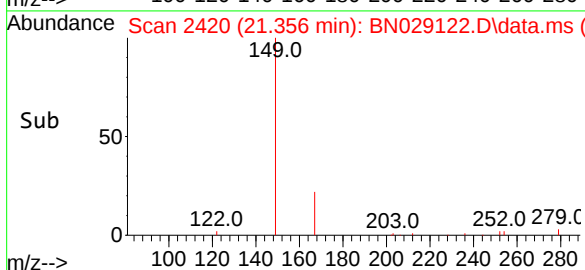
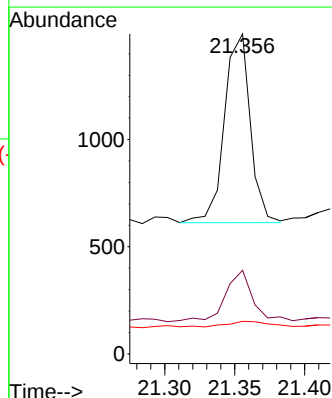
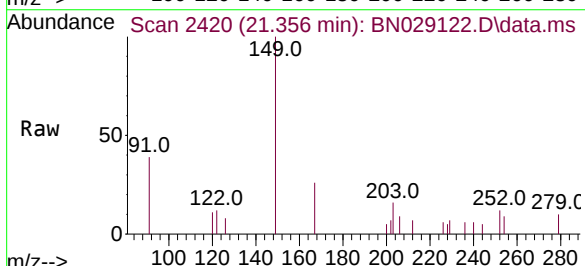
Tgt Ion:149 Resp: 1133

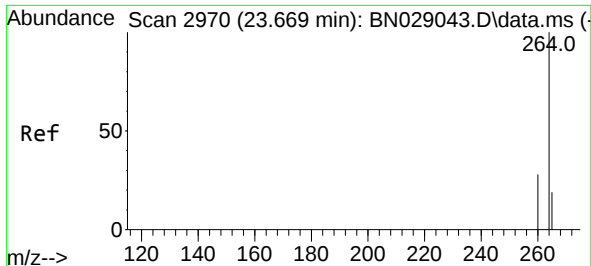
Ion Ratio Lower Upper

149 100

167 28.7 23.4 35.2

279 4.8 3.4 5.2

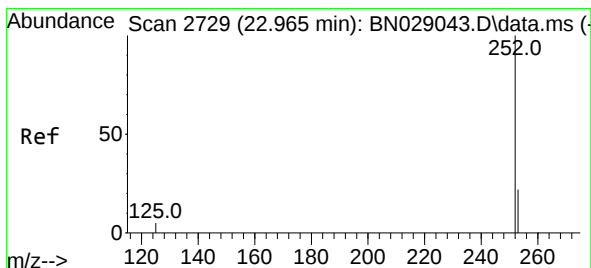
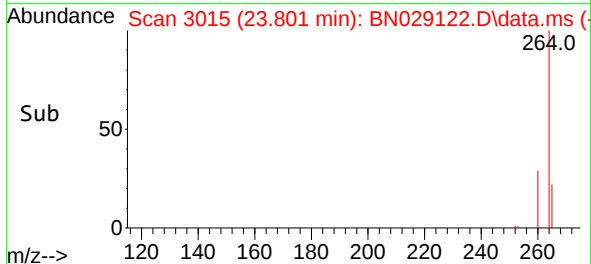
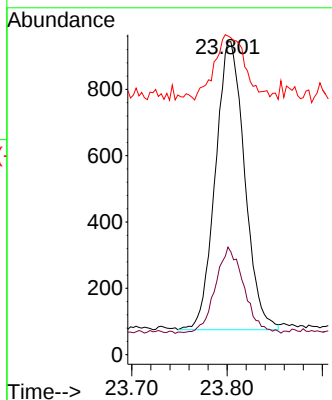
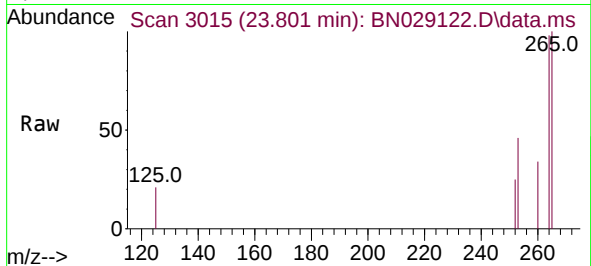




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.801 min Scan# 30
 Delta R.T. 0.131 min
 Lab File: BN029122.D
 Acq: 08 Dec 2023 11:07

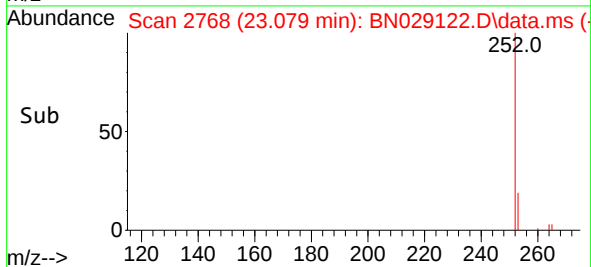
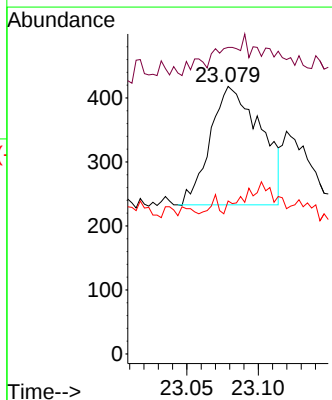
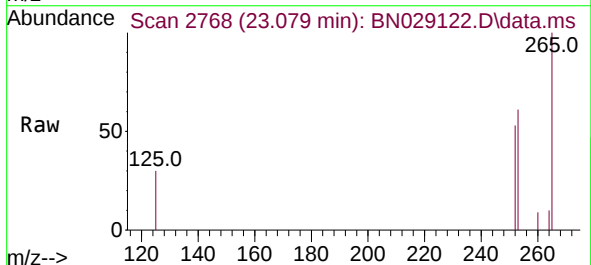
Instrument :
 BNA_N
 ClientSampleId :
 O-1(20)(15-20)

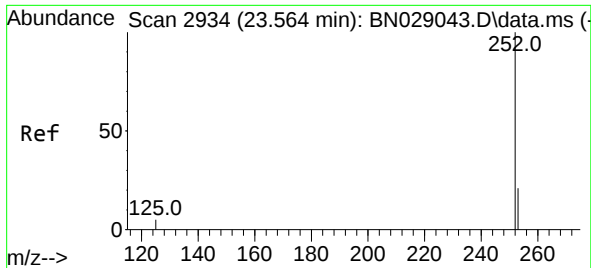
Tgt Ion:264 Resp: 1852
 Ion Ratio Lower Upper
 264 100
 260 34.3 23.9 35.9
 265 101.8 52.7 79.1#



#37
 Benzo(b)fluoranthene
 Concen: 0.046 ng
 RT: 23.079 min Scan# 2768
 Delta R.T. 0.114 min
 Lab File: BN029122.D
 Acq: 08 Dec 2023 11:07

Tgt Ion:252 Resp: 455
 Ion Ratio Lower Upper
 252 100
 253 114.6 23.0 34.6#
 125 57.2 5.4 8.0#





#39

Benzo(a)pyrene

Concen: 0.048 ng

RT: 23.693 min Scan# 29

Delta R.T. 0.129 min

Lab File: BN029122.D

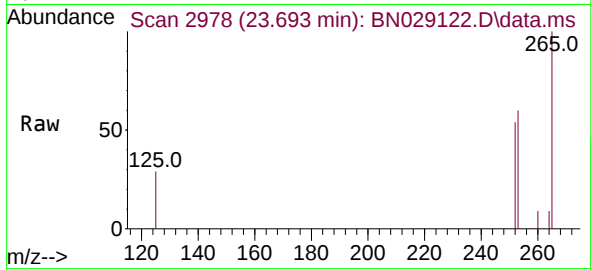
Acq: 08 Dec 2023 11:07

Instrument :

BNA_N

ClientSampleId :

O-1(20)(15-20)



Tgt Ion:252 Resp: 394

Ion Ratio Lower Upper

252 100

253 110.9 25.3 37.9#

125 53.4 6.5 9.7#

