

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120123\
 Data File : BN028972.D
 Acq On : 02 Dec 2023 07:27
 Operator : MA/JU
 Sample : 05403-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW11-MW01S-20231107

Quant Time: Dec 03 08:11:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 23:11:55 2023
 Response via : Initial Calibration

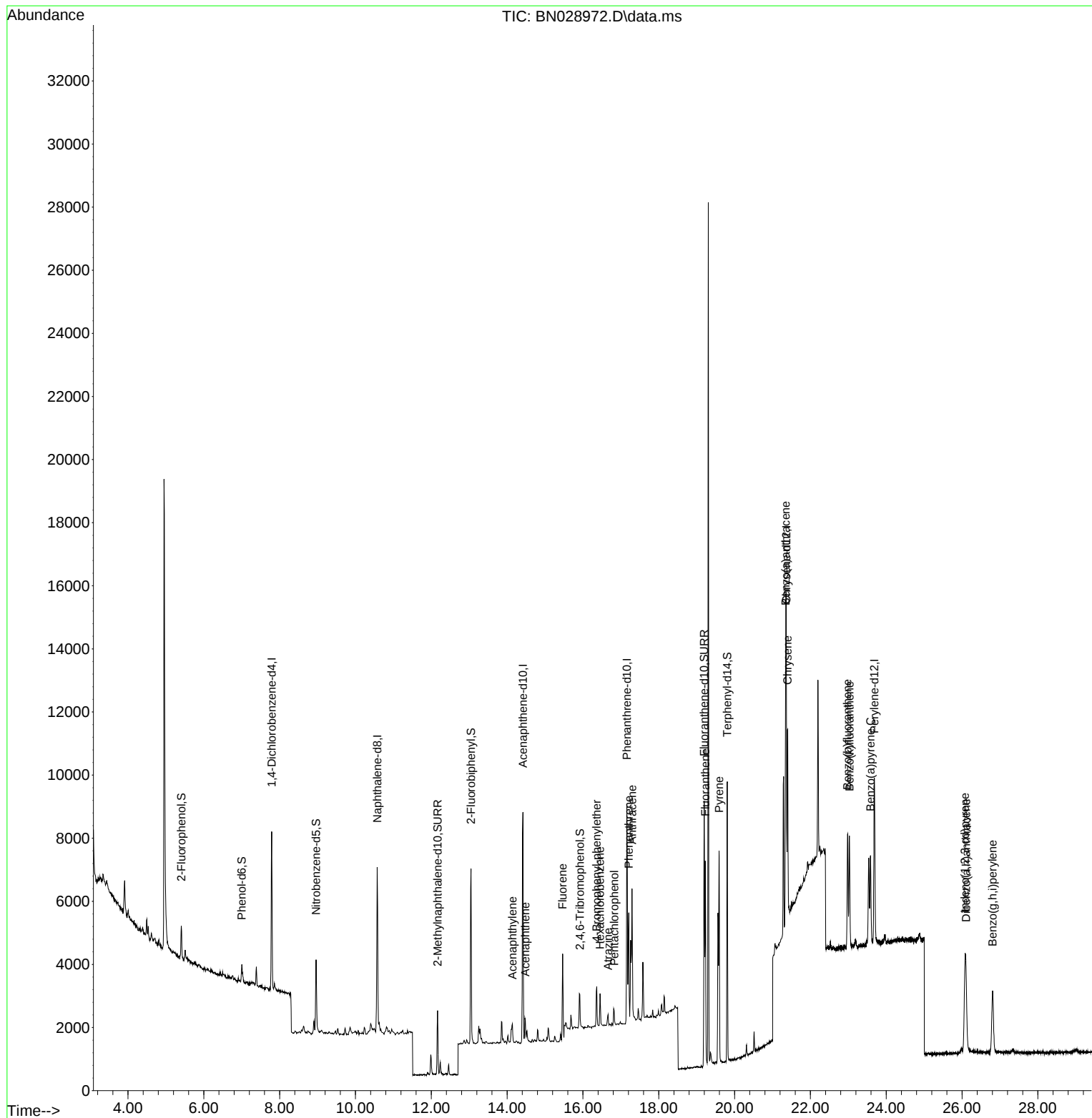
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	2356	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	7051	0.400	ng	#-0.01
13) Acenaphthene-d10	14.418	164	4370	0.400	ng	0.00
19) Phenanthrene-d10	17.159	188	9740	0.400	ng	#-0.01
29) Chrysene-d12	21.365	240	8124	0.400	ng	# 0.00
35) Perylene-d12	23.687	264	7354	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.406	112	780	0.109	ng	0.00
5) Phenol-d6	7.002	99	528	0.067	ng	0.00
8) Nitrobenzene-d5	8.961	82	2071	0.295	ng	-0.01
11) 2-Methylnaphthalene-d10	12.166	152	2852	0.252	ng	0.00
14) 2,4,6-Tribromophenol	15.918	330	732	0.248	ng	0.00
15) 2-Fluorobiphenyl	13.049	172	5038	0.267	ng	0.00
27) Fluoranthene-d10	19.199	212	9340	0.365	ng	0.00
31) Terphenyl-d14	19.808	244	8839	0.388	ng	0.00
Target Compounds						
16) Acenaphthylene	14.140	152	817	0.035	ng	# 92
17) Acenaphthene	14.482	154	398	0.026	ng	96
18) Fluorene	15.465	166	1300	0.067	ng	96
21) 4-Bromophenyl-phenylether	16.365	248	497	0.074	ng	89
22) Hexachlorobenzene	16.451	284	687	0.084	ng	96
23) Atrazine	16.662	200	229	0.039	ng	# 79
24) Pentachlorophenol	16.824	266	296	0.077	ng	89
25) Phenanthrene	17.209	178	3649	0.113	ng	97
26) Anthracene	17.295	178	4298	0.145	ng	99
28) Fluoranthene	19.227	202	5682	0.170	ng	# 91
30) Pyrene	19.594	202	5901	0.189	ng	99
32) Benzo(a)anthracene	21.347	228	5523	0.160	ng	96
33) Chrysene	21.401	228	5373	0.158	ng	95
36) Indeno(1,2,3-cd)pyrene	26.079	276	5266	0.164	ng	# 93
37) Benzo(b)fluoranthene	22.980	252	4926	0.164	ng	# 47
38) Benzo(k)fluoranthene	23.029	252	4669	0.164	ng	# 47
39) Benzo(a)pyrene	23.585	252	4268	0.159	ng	# 44
40) Dibenzo(a,h)anthracene	26.105	278	4106	0.166	ng	# 43
41) Benzo(g,h,i)perylene	26.807	276	4336	0.155	ng	# 84

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

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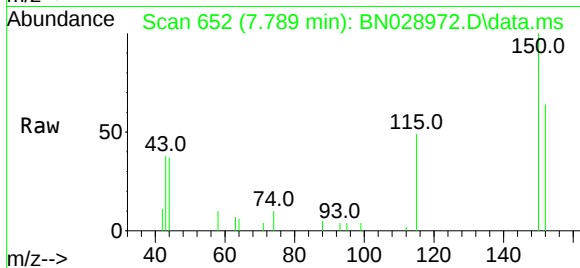
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 23:11:55 2023
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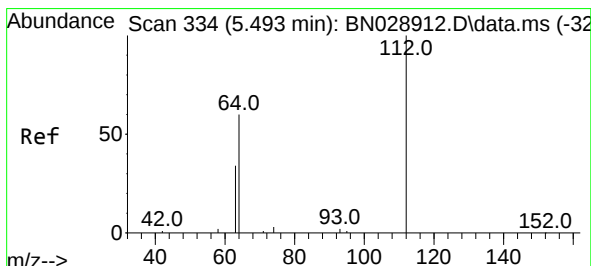
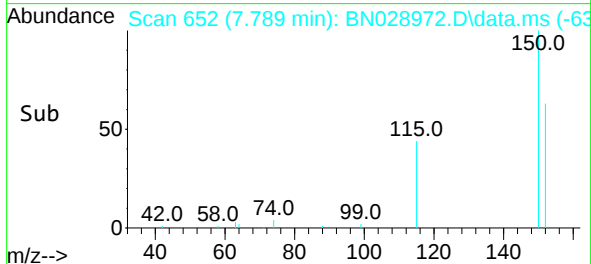
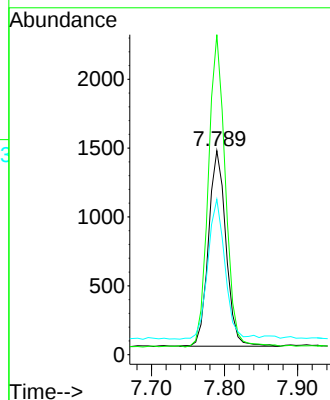


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

Instrument :
BNA_N
ClientSampleId :
RW11-MW01S-20231107

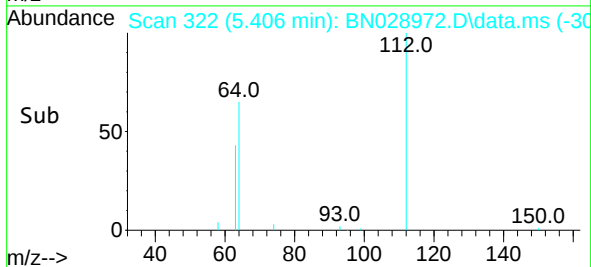
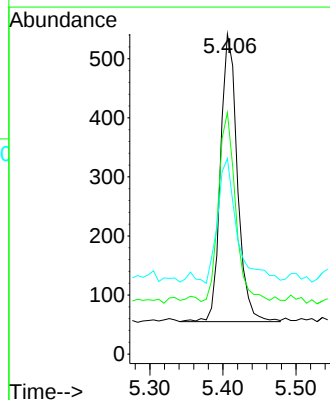
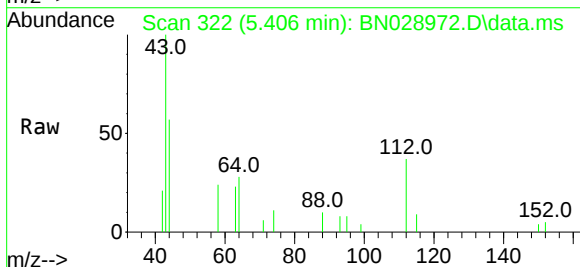


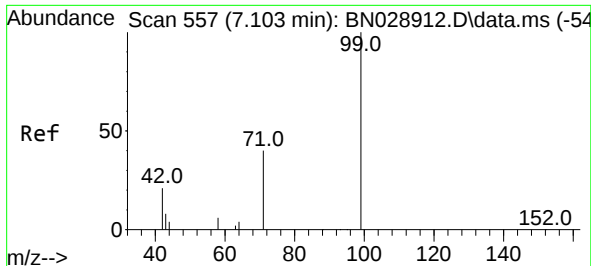
Tgt Ion:152 Resp: 2356
Ion Ratio Lower Upper
152 100
150 156.8 123.4 185.2
115 76.1 59.1 88.7



#4
2-Fluorophenol
Concen: 0.109 ng
RT: 5.406 min Scan# 322
Delta R.T. -0.007 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

Tgt Ion:112 Resp: 780
Ion Ratio Lower Upper
112 100
64 69.0 51.5 77.3
63 50.9 30.4 45.6#

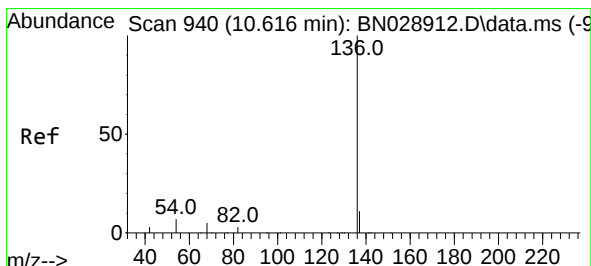
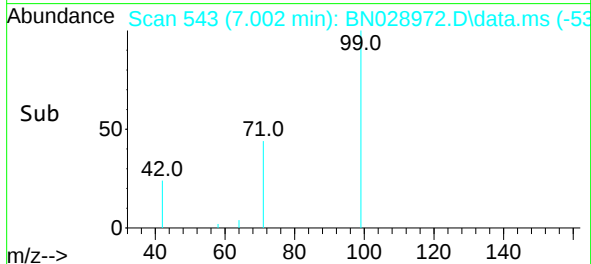
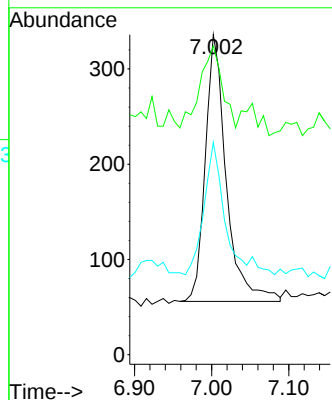
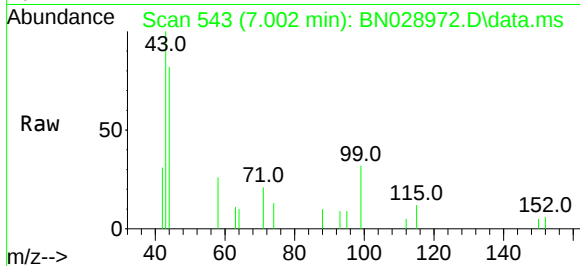




#5
Phenol-d6
Concen: 0.067 ng
RT: 7.002 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

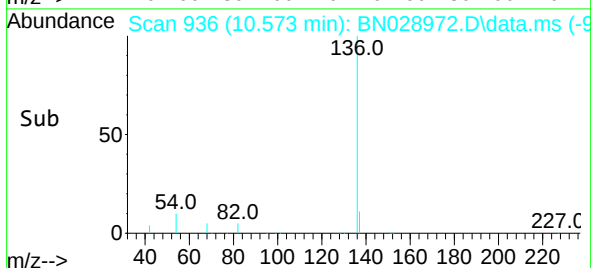
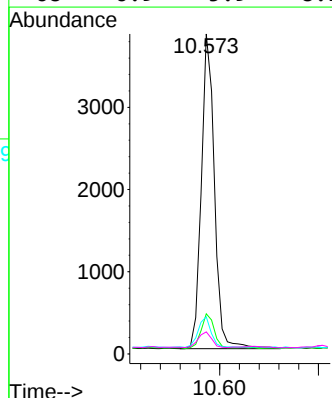
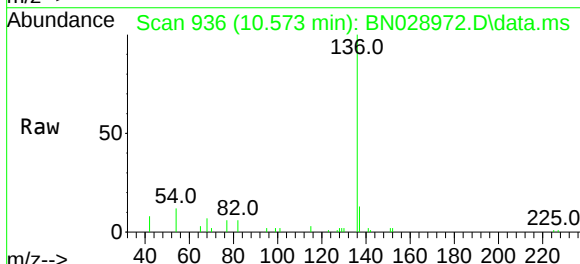
Instrument :
BNA_N
ClientSampleId :
RW11-MW01S-20231107

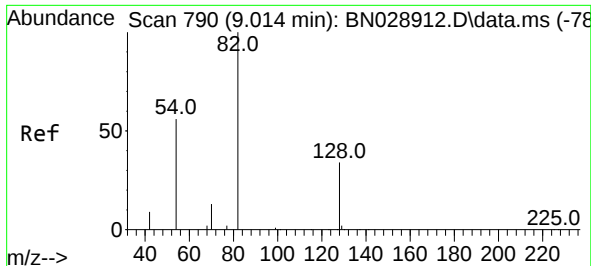
Tgt Ion: 99 Resp: 528
Ion Ratio Lower Upper
99 100
42 33.9 21.2 31.8#
71 50.8 35.4 53.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

Tgt Ion: 136 Resp: 7051
Ion Ratio Lower Upper
136 100
137 12.5 10.6 16.0
54 11.6 7.5 11.3#
68 6.9 5.9 8.9

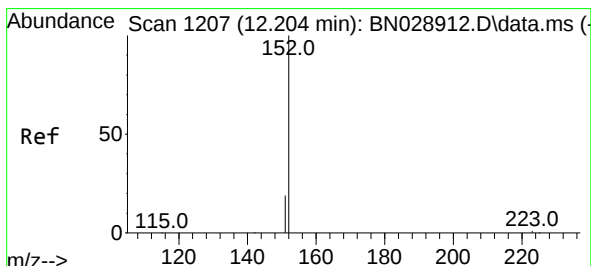
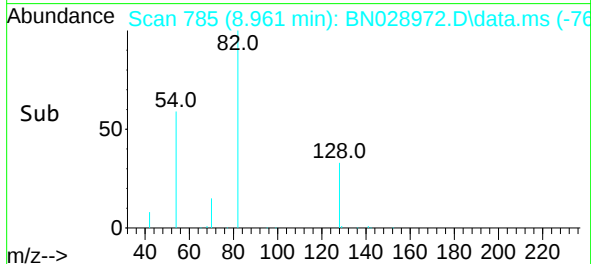
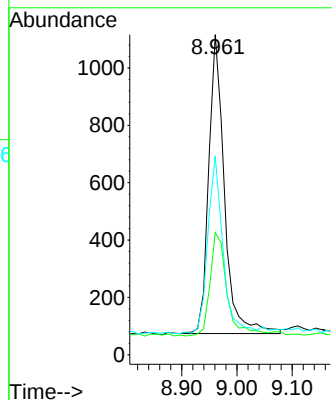
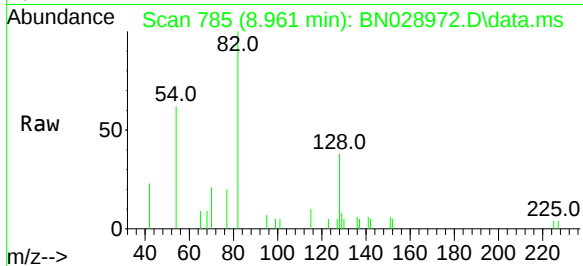




#8
 Nitrobenzene-d5
 Concen: 0.295 ng
 RT: 8.961 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BN028972.D
 Acq: 02 Dec 2023 07:27

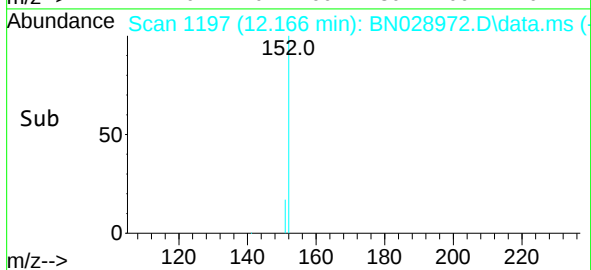
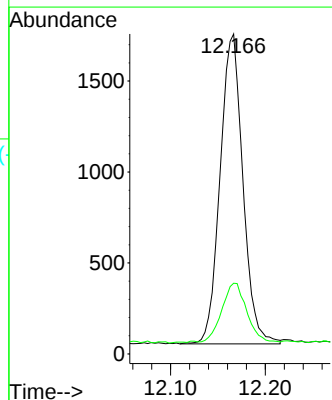
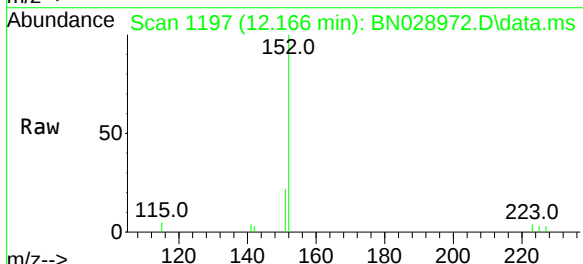
Instrument :
 BNA_N
 ClientSampleId :
 RW11-MW01S-20231107

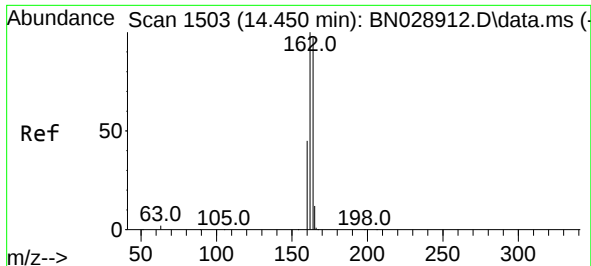
Tgt Ion:	82	Resp:	2071
Ion	Ratio	Lower	Upper
82	100		
128	38.2	29.2	43.8
54	62.1	47.0	70.6



#11
 2-Methylnaphthalene-d10
 Concen: 0.252 ng
 RT: 12.166 min Scan# 1197
 Delta R.T. -0.004 min
 Lab File: BN028972.D
 Acq: 02 Dec 2023 07:27

Tgt Ion:	152	Resp:	2852
Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.7	25.1

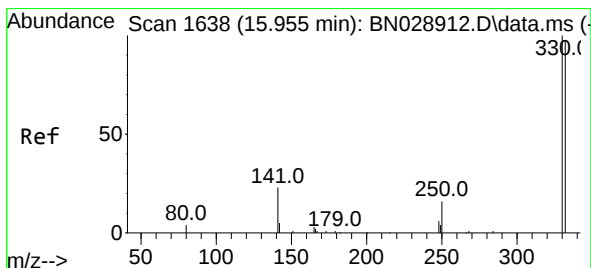
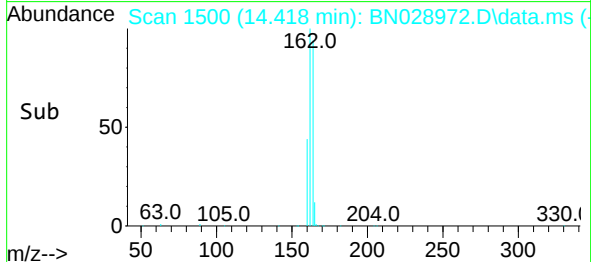
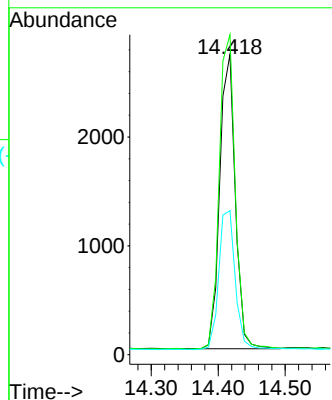
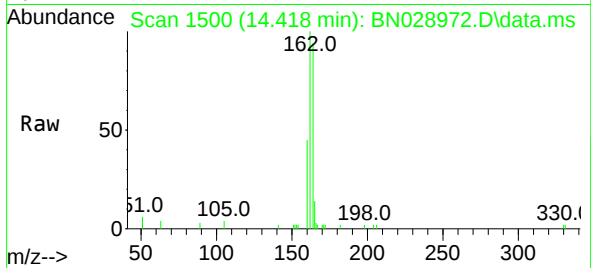




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.418 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

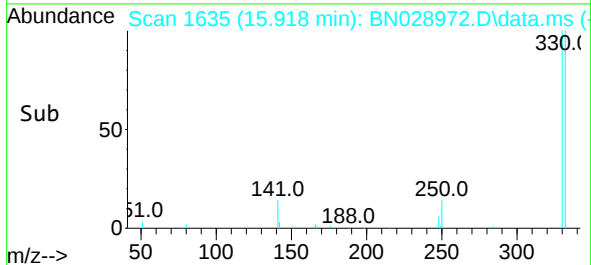
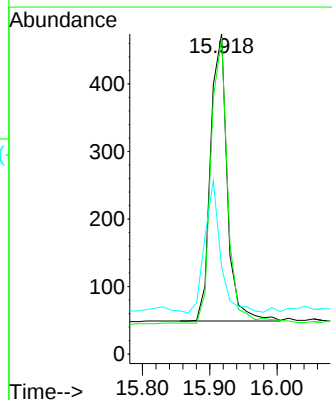
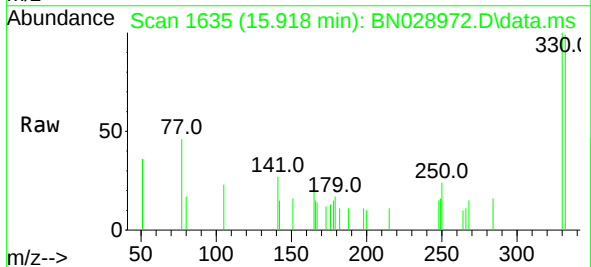
Instrument :
BNA_N
ClientSampleId :
RW11-MW01S-20231107

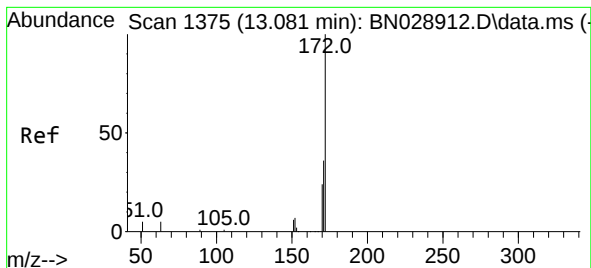
Tgt Ion:164 Resp: 4370
Ion Ratio Lower Upper
164 100
162 106.6 81.7 122.5
160 48.0 37.0 55.6



#14
2,4,6-Tribromophenol
Concen: 0.248 ng
RT: 15.918 min Scan# 1635
Delta R.T. -0.000 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

Tgt Ion:330 Resp: 732
Ion Ratio Lower Upper
330 100
332 99.0 75.4 113.2
141 43.9 35.7 53.5





#15

2-Fluorobiphenyl

Concen: 0.267 ng

RT: 13.049 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

ClientSampleId :

RW11-MW01S-20231107

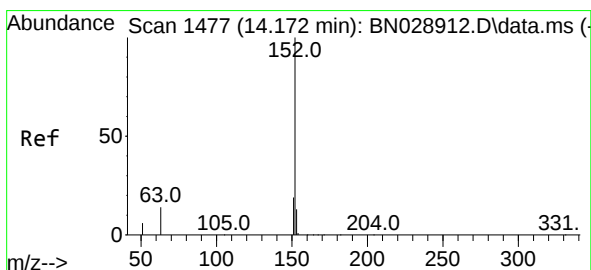
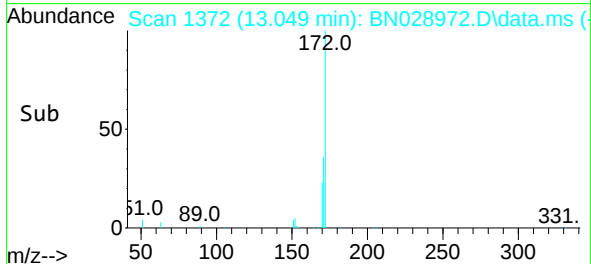
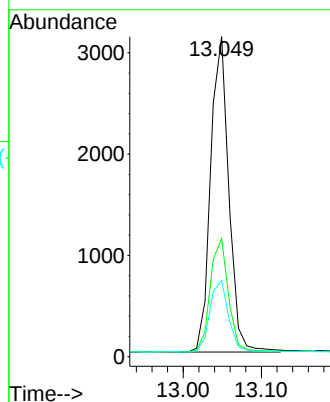
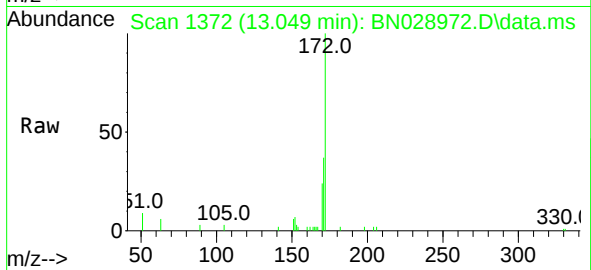
Tgt Ion:172 Resp: 5038

Ion Ratio Lower Upper

172 100

171 36.9 29.0 43.4

170 23.8 19.7 29.5



#16

Acenaphthylene

Concen: 0.035 ng

RT: 14.140 min Scan# 1474

Delta R.T. -0.000 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

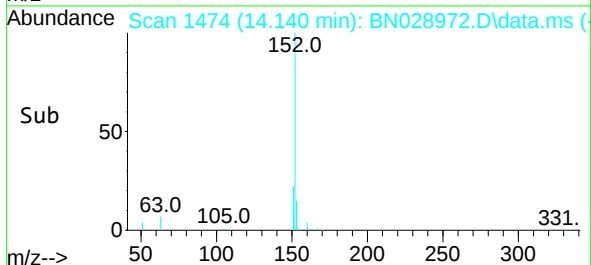
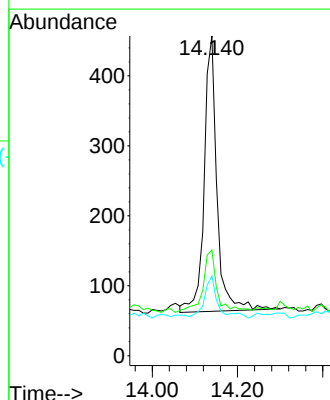
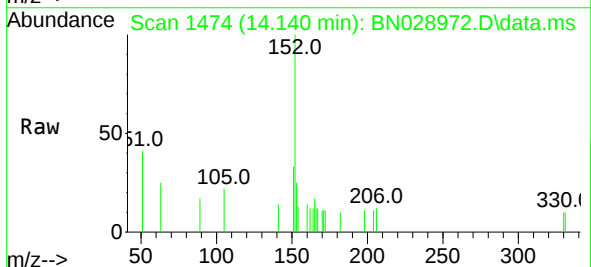
Tgt Ion:152 Resp: 817

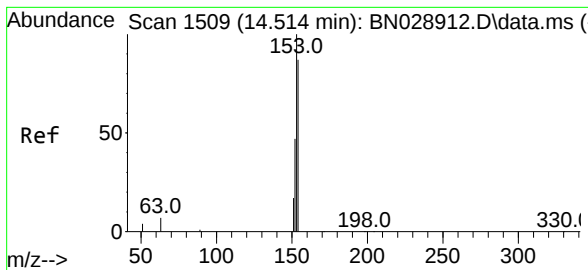
Ion Ratio Lower Upper

152 100

151 25.7 15.9 23.9#

153 13.1 10.8 16.2





#17

Acenaphthene

Concen: 0.026 ng

RT: 14.482 min Scan# 1506

Delta R.T. -0.000 min

Lab File: BN028972.D

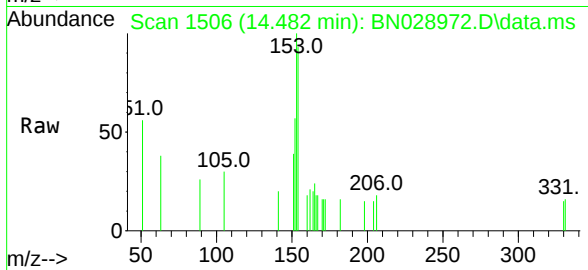
Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

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RW11-MW01S-20231107



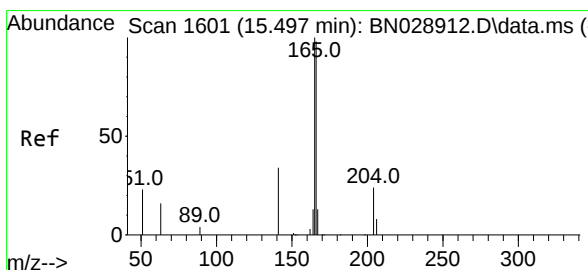
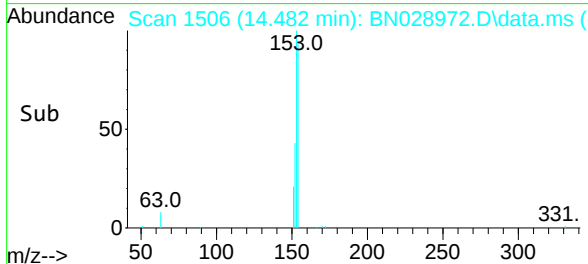
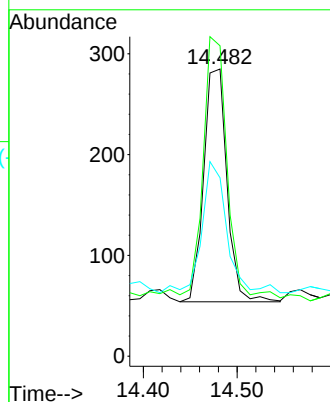
Tgt Ion:154 Resp: 398

Ion Ratio Lower Upper

154 100

153 120.4 93.8 140.6

152 60.3 44.5 66.7



#18

Fluorene

Concen: 0.067 ng

RT: 15.465 min Scan# 1598

Delta R.T. -0.011 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

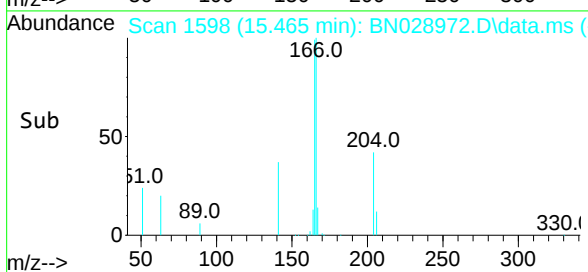
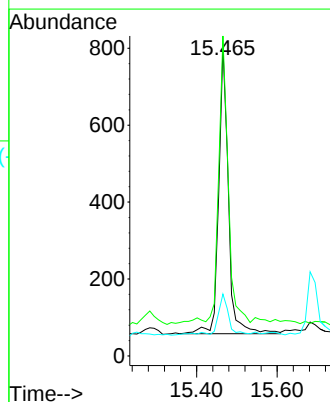
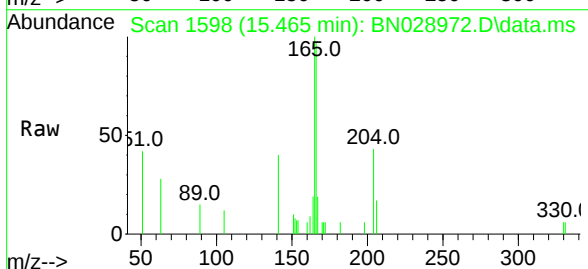
Tgt Ion:166 Resp: 1300

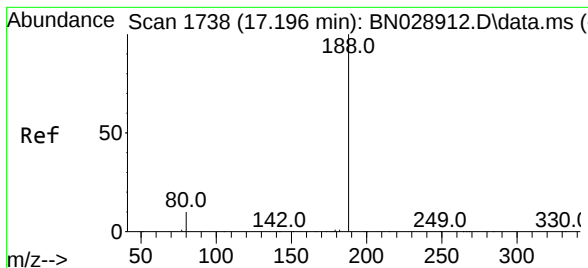
Ion Ratio Lower Upper

166 100

165 95.1 79.4 119.2

167 14.3 11.0 16.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.159 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

ClientSampleId :

RW11-MW01S-20231107

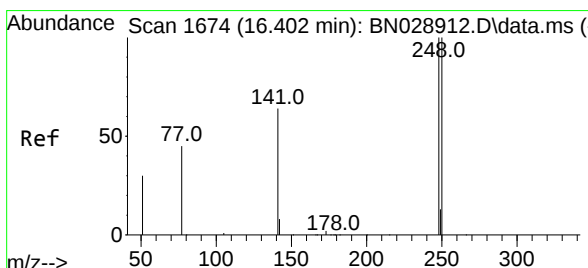
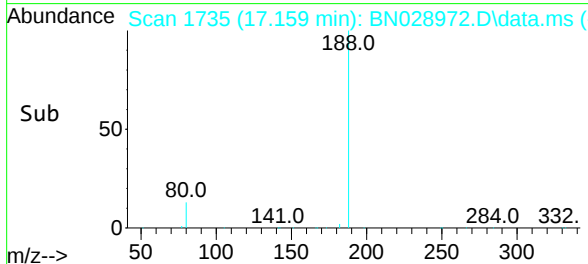
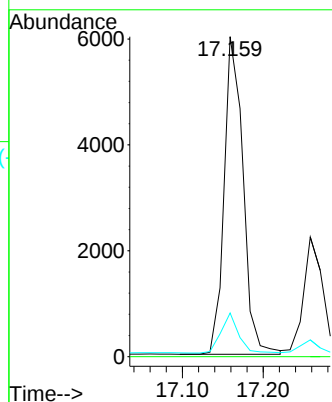
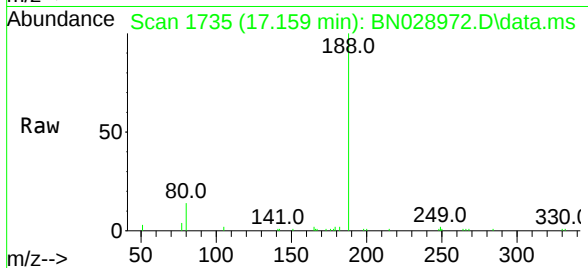
Tgt Ion:188 Resp: 9740

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.7 9.0 13.6#



#21

4-Bromophenyl-phenylether

Concen: 0.074 ng

RT: 16.365 min Scan# 1671

Delta R.T. -0.000 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

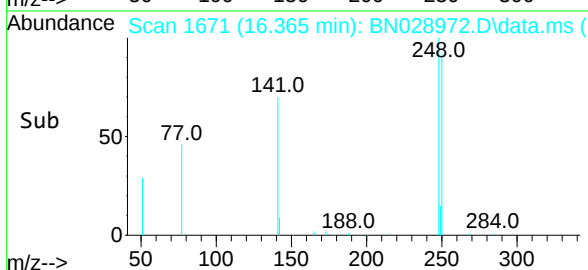
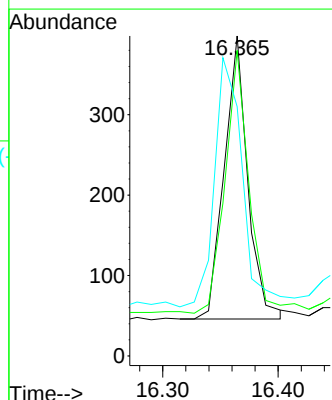
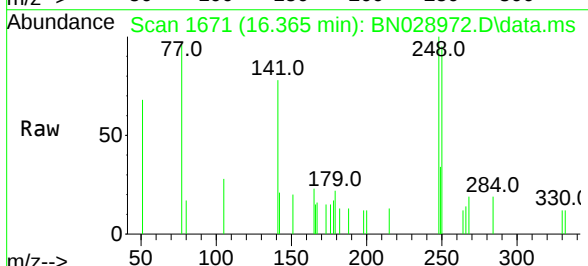
Tgt Ion:248 Resp: 497

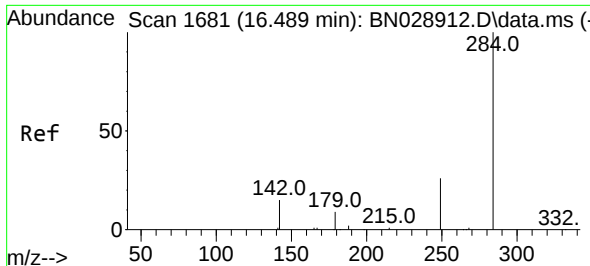
Ion Ratio Lower Upper

248 100

250 95.5 83.5 125.3

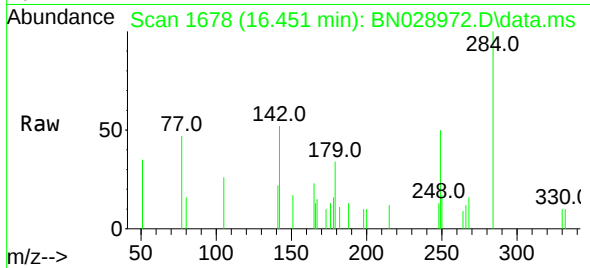
141 77.9 52.9 79.3



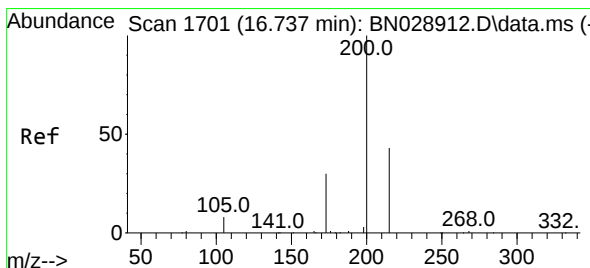
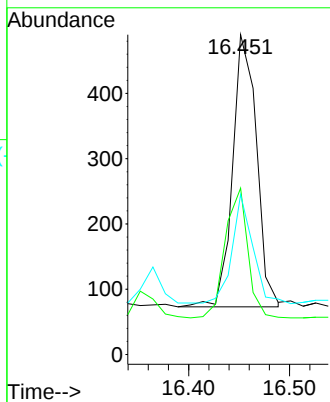
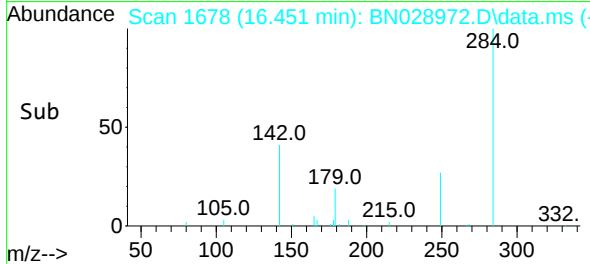


#22
Hexachlorobenzene
Concen: 0.084 ng
RT: 16.451 min Scan# 1695
Delta R.T. -0.013 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

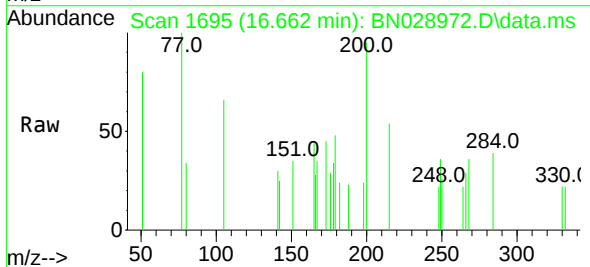
Instrument :
BNA_N
ClientSampleId :
RW11-MW01S-20231107



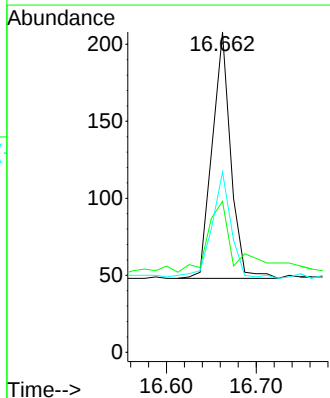
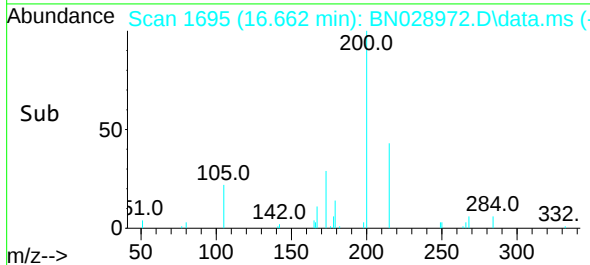
Tgt Ion:284 Resp: 687
Ion Ratio Lower Upper
284 100
142 45.1 34.1 51.1
249 34.8 25.7 38.5

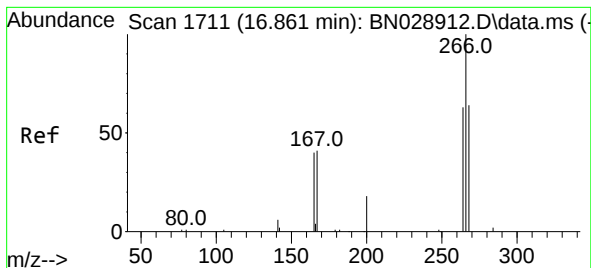


#23
Atrazine
Concen: 0.039 ng
RT: 16.662 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27



Tgt Ion:200 Resp: 229
Ion Ratio Lower Upper
200 100
173 47.1 26.2 39.4#
215 56.3 35.8 53.6#





#24

Pentachlorophenol

Concen: 0.077 ng

RT: 16.824 min Scan# 1708

Delta R.T. -0.000 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

ClientSampleId :

RW11-MW01S-20231107

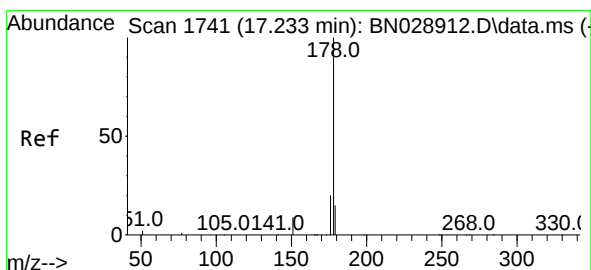
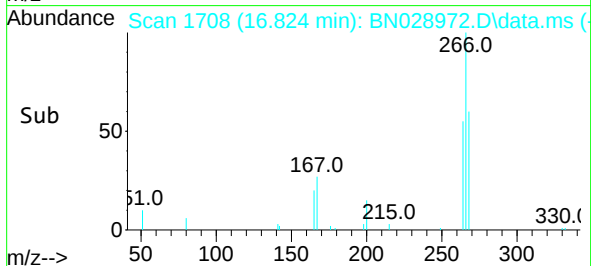
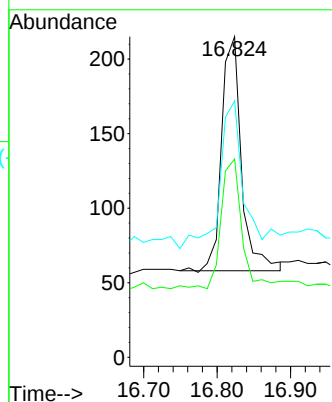
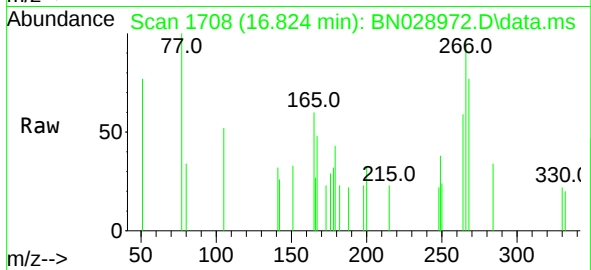
Tgt Ion:266 Resp: 296

Ion Ratio Lower Upper

266 100

264 54.7 50.7 76.1

268 76.7 54.9 82.3



#25

Phenanthrene

Concen: 0.113 ng

RT: 17.209 min Scan# 1739

Delta R.T. -0.000 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

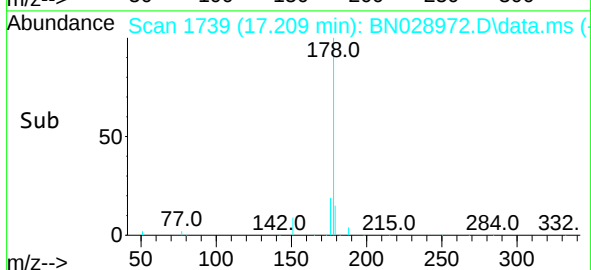
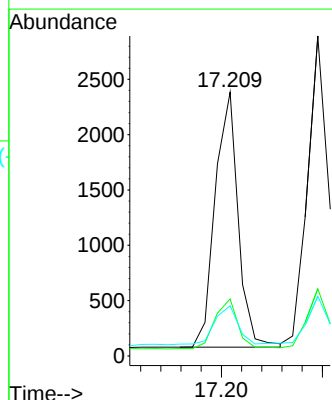
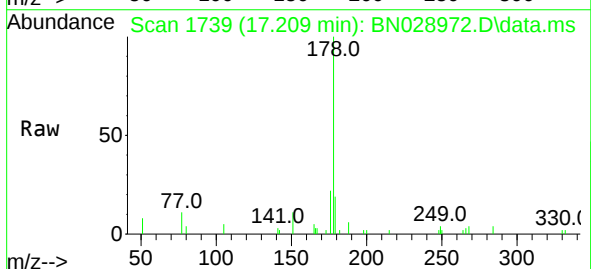
Tgt Ion:178 Resp: 3649

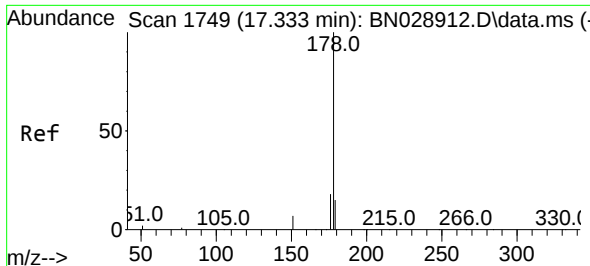
Ion Ratio Lower Upper

178 100

176 19.8 16.4 24.6

179 15.8 14.1 21.1

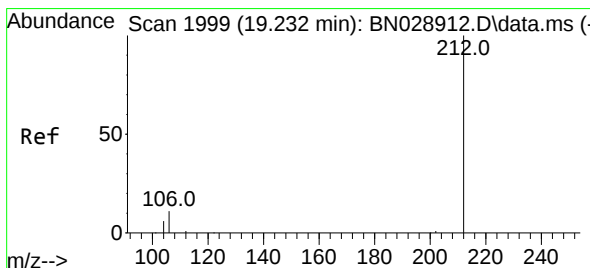
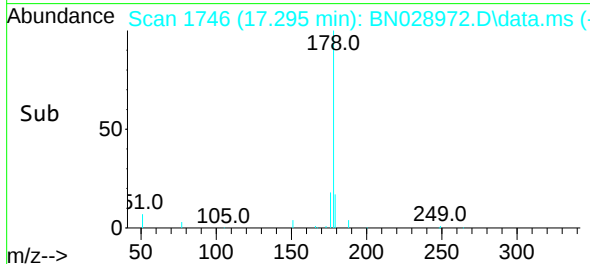
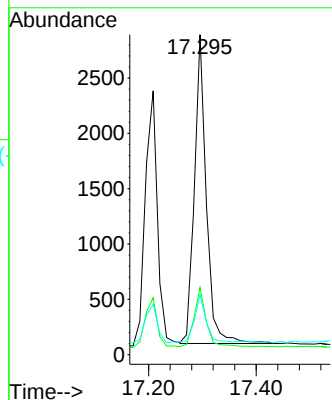
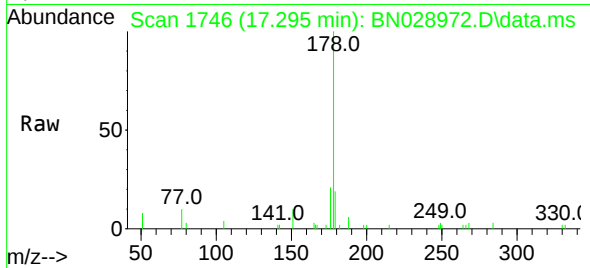




#26
 Anthracene
 Concen: 0.145 ng
 RT: 17.295 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: BN028972.D
 Acq: 02 Dec 2023 07:27

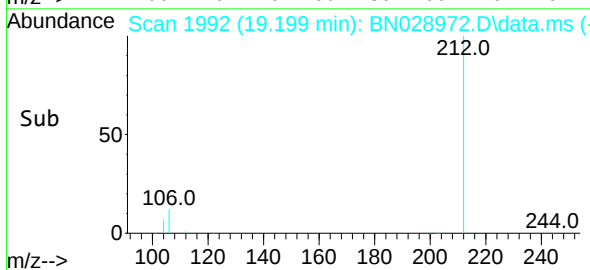
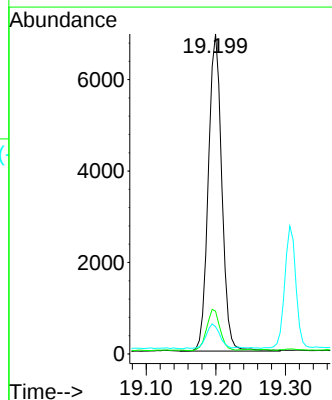
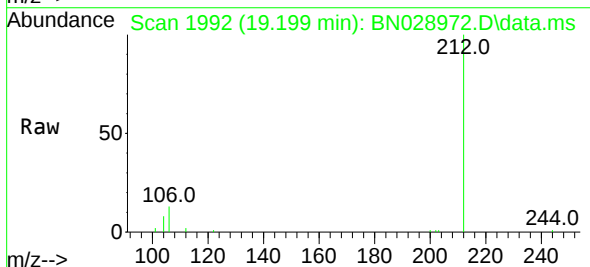
Instrument :
 BNA_N
 ClientSampleId :
 RW11-MW01S-20231107

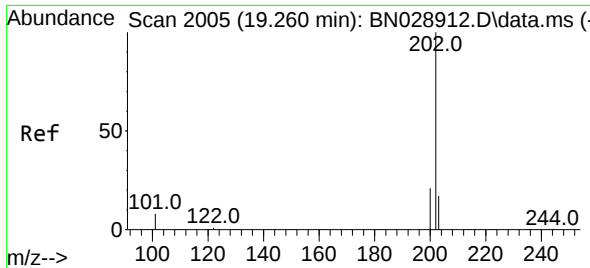
Tgt Ion:178 Resp: 4298
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 14.4 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.365 ng
 RT: 19.199 min Scan# 1992
 Delta R.T. -0.009 min
 Lab File: BN028972.D
 Acq: 02 Dec 2023 07:27

Tgt Ion:212 Resp: 9340
 Ion Ratio Lower Upper
 212 100
 106 12.8 9.4 14.2
 104 8.0 6.2 9.2

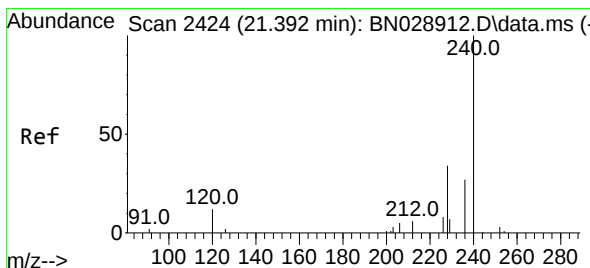
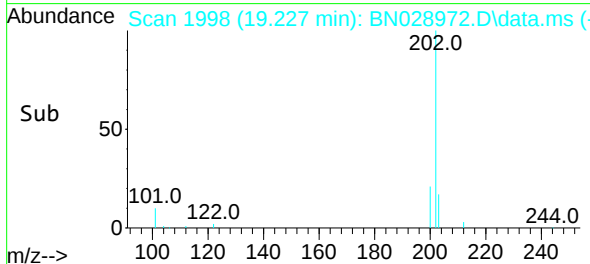
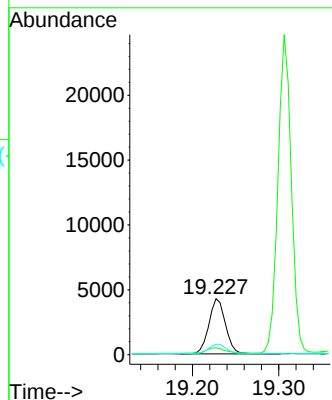
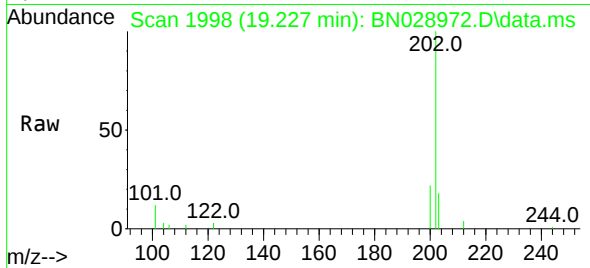




#28
Fluoranthene
Concen: 0.170 ng
RT: 19.227 min Scan# 19
Delta R.T. -0.009 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

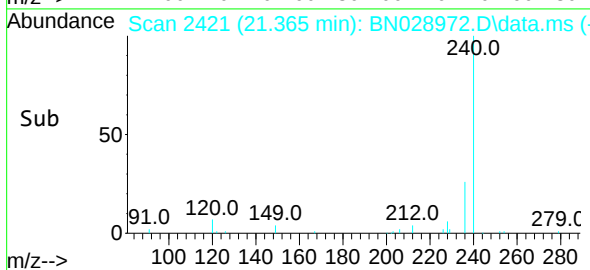
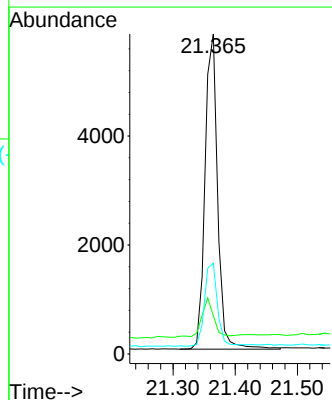
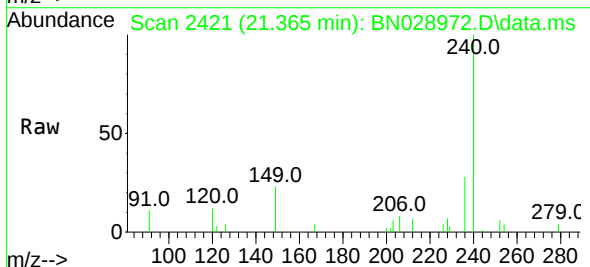
Instrument :
BNA_N
ClientSampleId :
RW11-MW01S-20231107

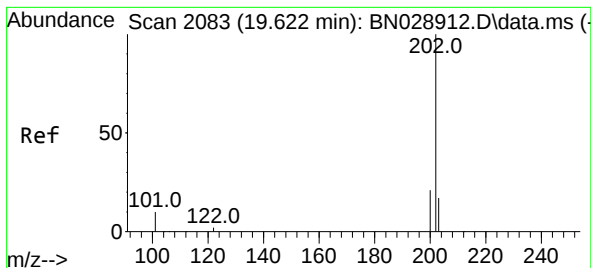
Tgt Ion:202 Resp: 5682
Ion Ratio Lower Upper
202 100
101 0.0 7.3 10.9#
203 17.6 14.1 21.1



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.365 min Scan# 2421
Delta R.T. -0.009 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

Tgt Ion:240 Resp: 8124
Ion Ratio Lower Upper
240 100
120 12.0 37.1 55.7#
236 28.4 32.4 48.6#





#30

Pyrene

Concen: 0.189 ng

RT: 19.594 min Scan# 2083

Delta R.T. -0.009 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

ClientSampleId :

RW11-MW01S-20231107

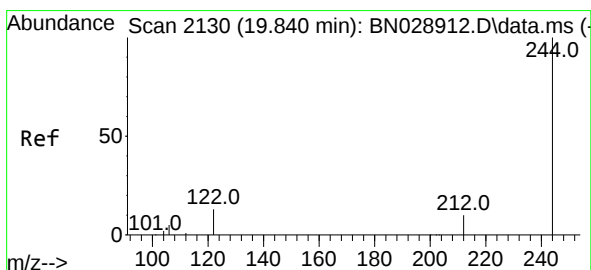
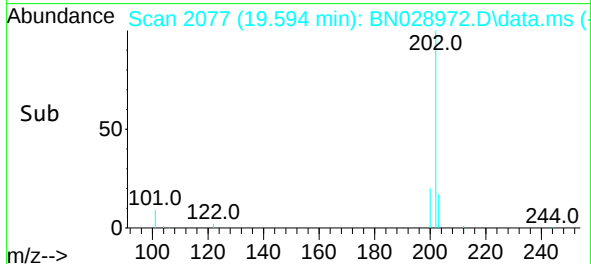
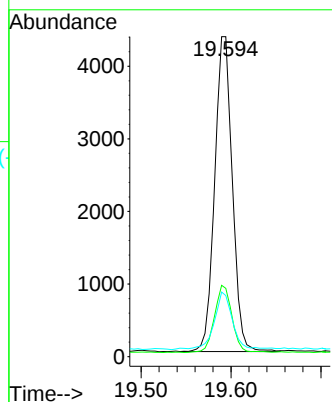
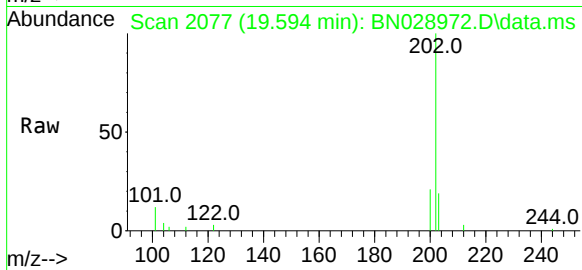
Tgt Ion:202 Resp: 5901

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 19.0 14.8 22.2



#31

Terphenyl-d14

Concen: 0.388 ng

RT: 19.808 min Scan# 2123

Delta R.T. -0.009 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

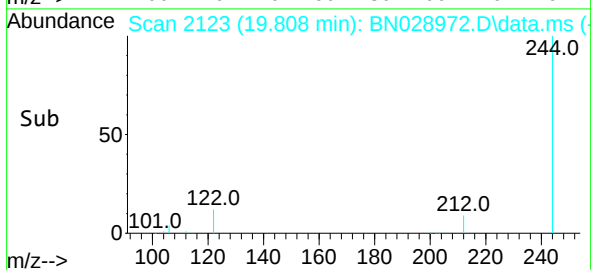
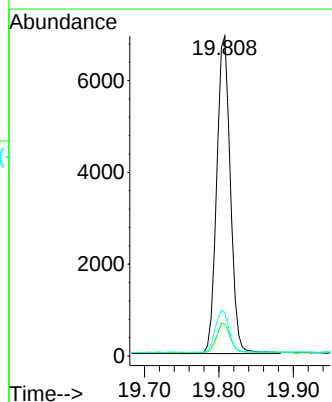
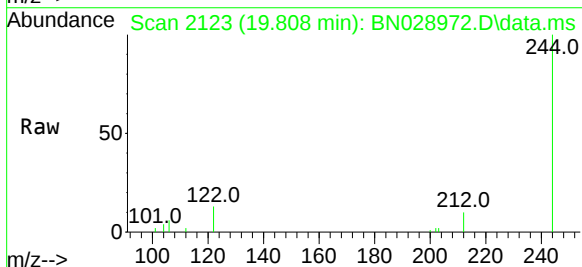
Tgt Ion:244 Resp: 8839

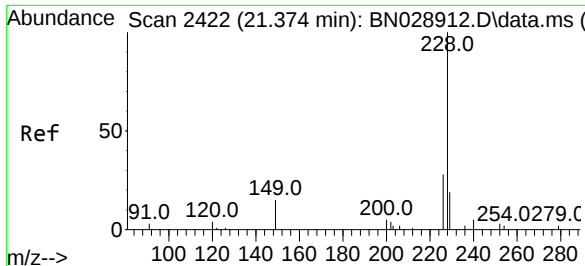
Ion Ratio Lower Upper

244 100

212 10.0 11.5 17.3#

122 13.4 13.2 19.8

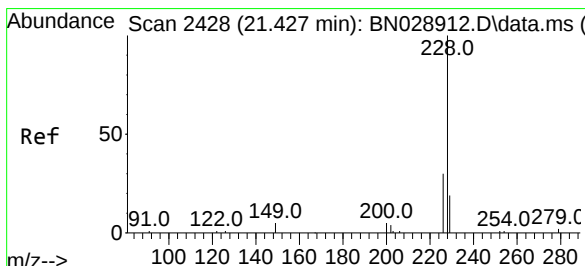
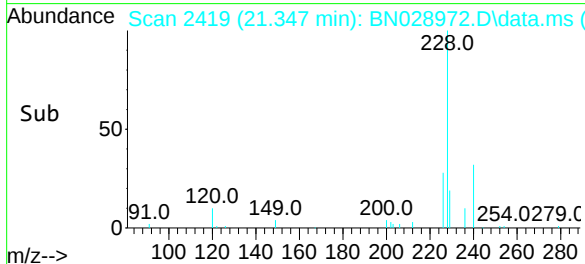
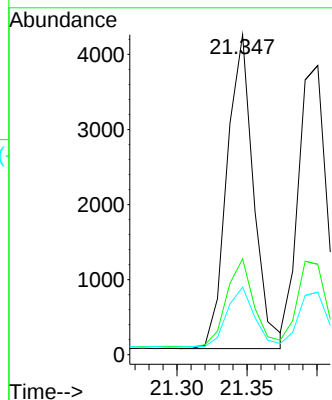
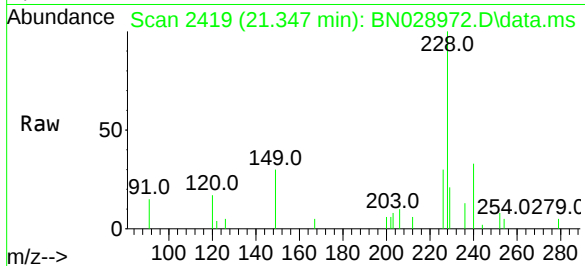




#32
Benzo(a)anthracene
Concen: 0.160 ng
RT: 21.347 min Scan# 2419
Delta R.T. -0.009 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

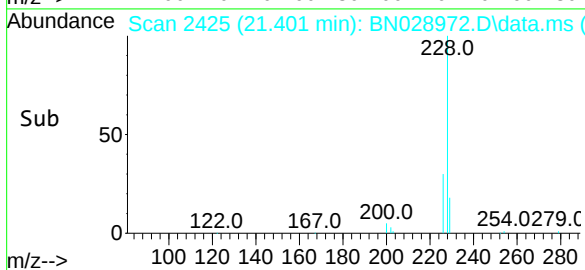
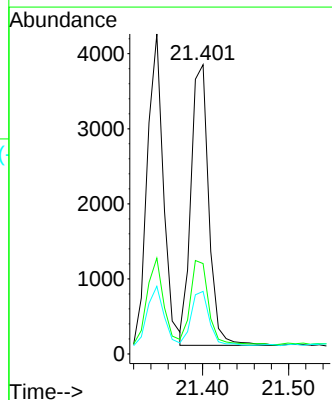
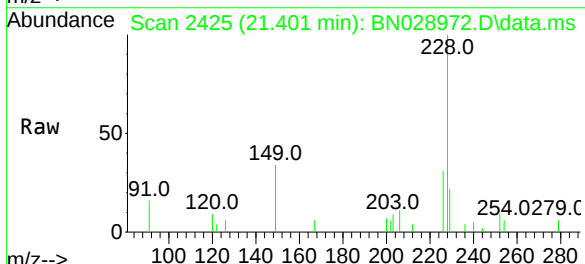
Instrument :
BNA_N
ClientSampleId :
RW11-MW01S-20231107

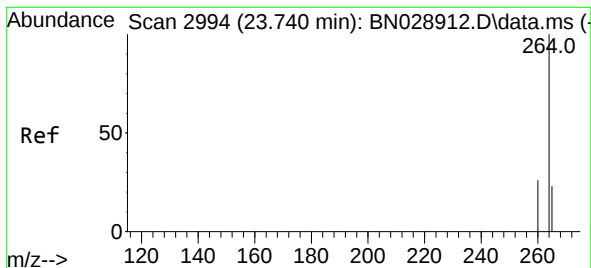
Tgt Ion:228 Resp: 5523
Ion Ratio Lower Upper
228 100
226 29.9 26.5 39.7
229 21.1 16.4 24.6



#33
Chrysene
Concen: 0.158 ng
RT: 21.401 min Scan# 2425
Delta R.T. -0.009 min
Lab File: BN028972.D
Acq: 02 Dec 2023 07:27

Tgt Ion:228 Resp: 5373
Ion Ratio Lower Upper
228 100
226 31.2 28.3 42.5
229 21.6 16.4 24.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.687 min Scan# 2994

Delta R.T. -0.021 min

Lab File: BN028972.D

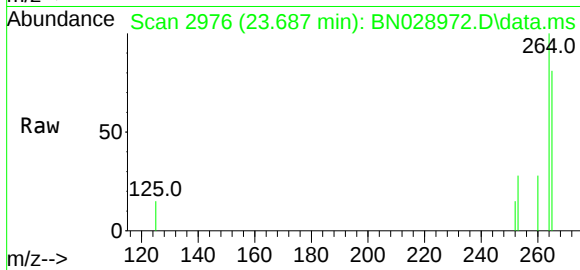
Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

ClientSampleId :

RW11-MW01S-20231107



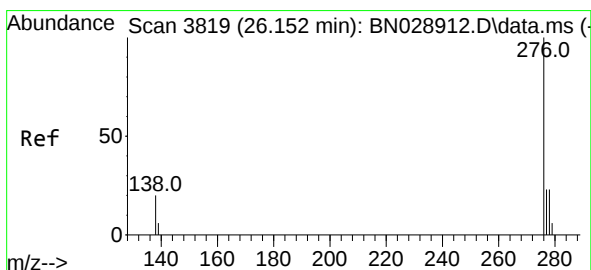
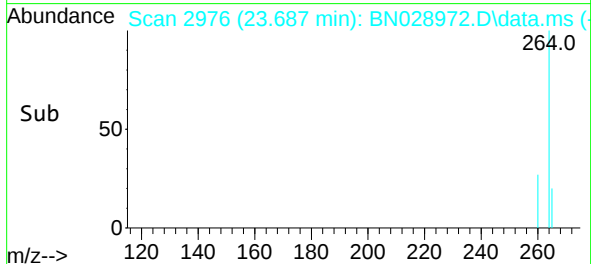
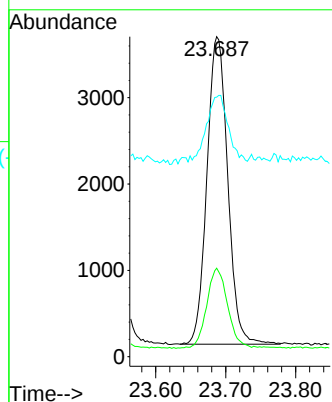
Tgt Ion:264 Resp: 7354

Ion Ratio Lower Upper

264 100

260 27.7 20.6 30.8

265 81.1 464.5 696.7#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.164 ng

RT: 26.079 min Scan# 3794

Delta R.T. -0.023 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

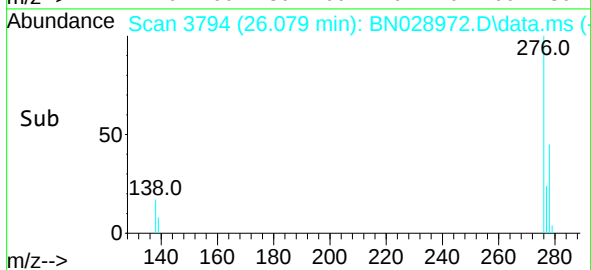
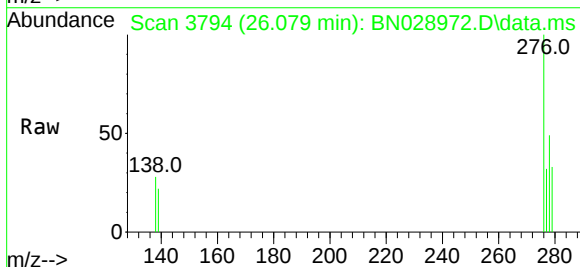
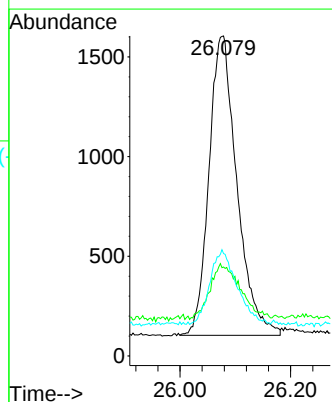
Tgt Ion:276 Resp: 5266

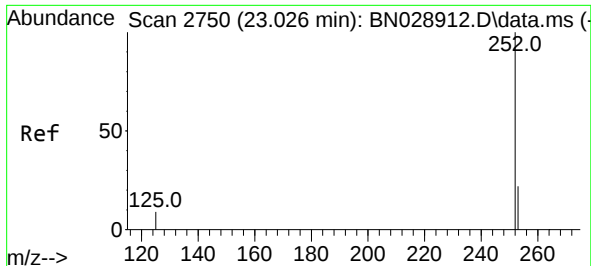
Ion Ratio Lower Upper

276 100

138 20.4 20.9 31.3#

277 24.3 20.2 30.4





#37

Benzo(b)fluoranthene

Concen: 0.164 ng

RT: 22.980 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN028972.D

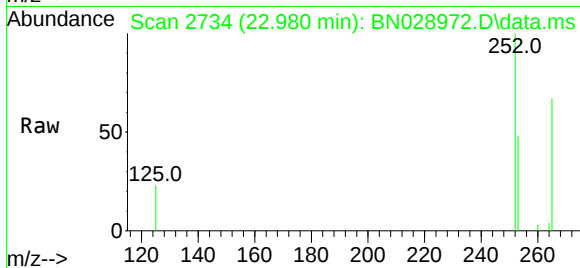
Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

ClientSampleId :

RW11-MW01S-20231107



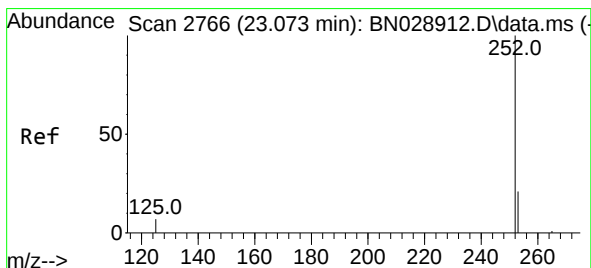
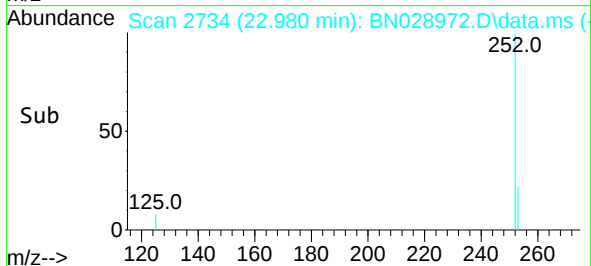
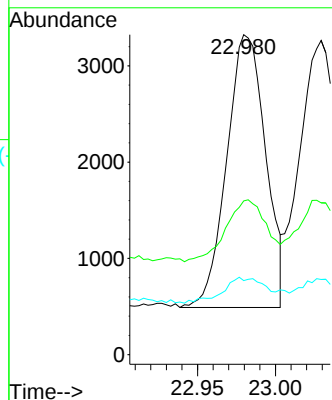
Tgt Ion:252 Resp: 4926

Ion Ratio Lower Upper

252 100

253 48.0 94.5 141.7#

125 23.1 23.8 35.8#



#38

Benzo(k)fluoranthene

Concen: 0.164 ng

RT: 23.029 min Scan# 2751

Delta R.T. -0.015 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

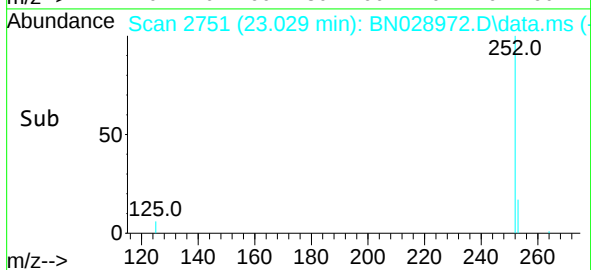
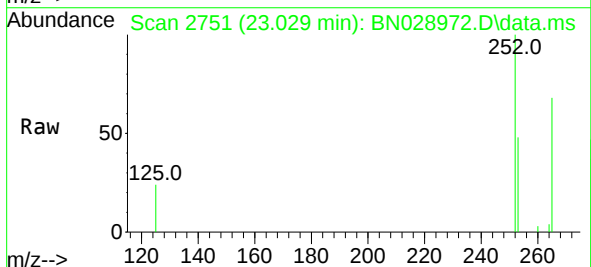
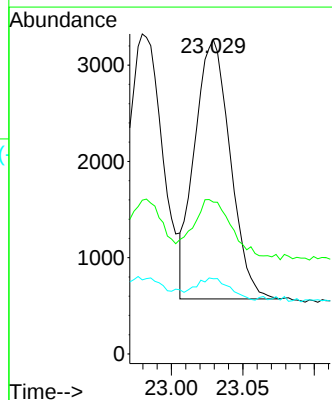
Tgt Ion:252 Resp: 4669

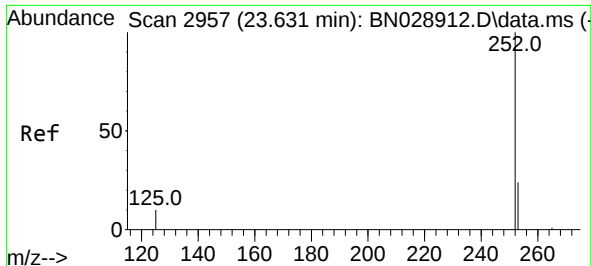
Ion Ratio Lower Upper

252 100

253 48.3 95.2 142.8#

125 23.9 24.3 36.5#





#39

Benzo(a)pyrene

Concen: 0.159 ng

RT: 23.585 min Scan# 2941

Delta R.T. -0.018 min

Lab File: BN028972.D

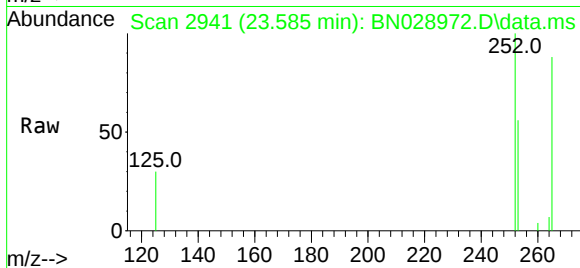
Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

ClientSampleId :

RW11-MW01S-20231107



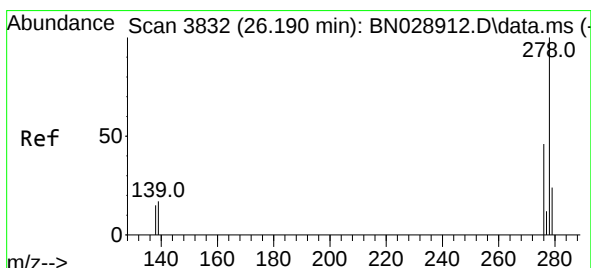
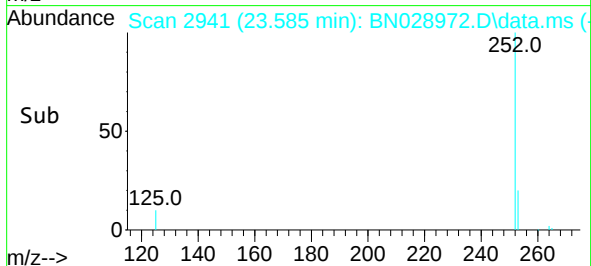
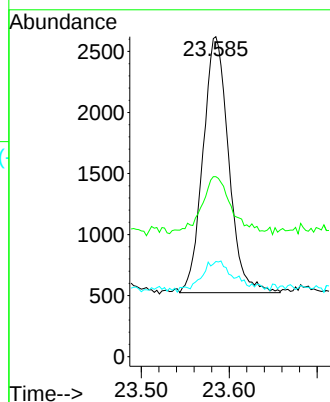
Tgt Ion:252 Resp: 4268

Ion Ratio Lower Upper

252 100

253 56.2 110.2 165.4#

125 29.7 27.0 40.4



#40

Dibenzo(a,h)anthracene

Concen: 0.166 ng

RT: 26.105 min Scan# 3803

Delta R.T. -0.026 min

Lab File: BN028972.D

Acq: 02 Dec 2023 07:27

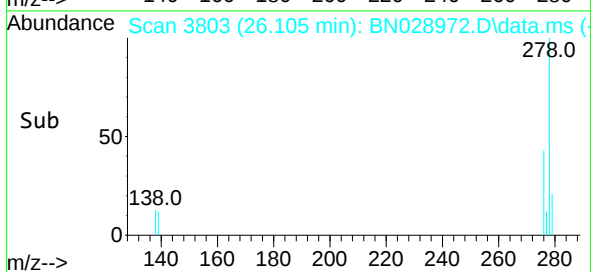
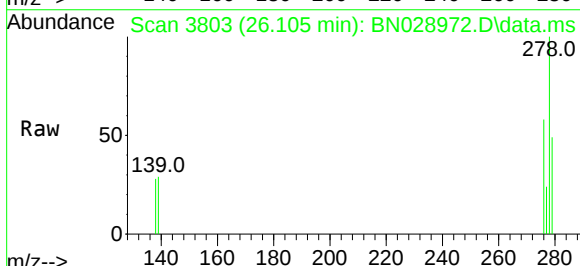
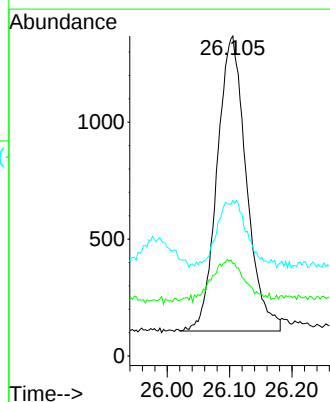
Tgt Ion:278 Resp: 4106

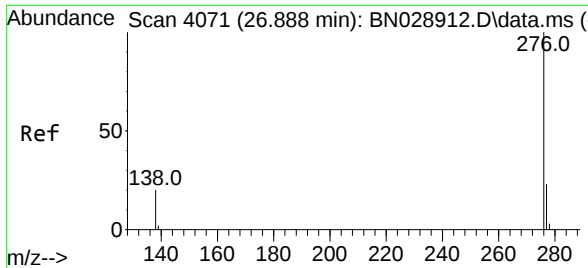
Ion Ratio Lower Upper

278 100

139 28.9 22.6 33.8

279 48.6 102.6 153.8#





#41

Benzo(g,h,i)perylene

Concen: 0.155 ng

RT: 26.807 min Scan# 40

Delta R.T. -0.035 min

Lab File: BN028972.D

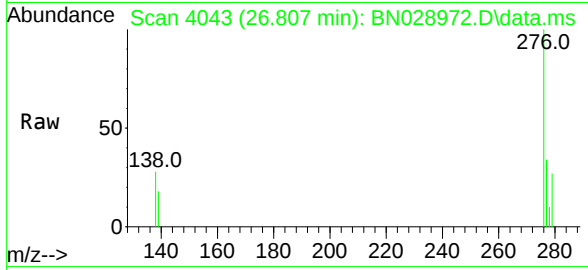
Acq: 02 Dec 2023 07:27

Instrument :

BNA_N

ClientSampleId :

RW11-MW01S-20231107



Tgt Ion:276 Resp: 4336

Ion Ratio Lower Upper

276 100

277 34.1 28.9 43.3

138 27.8 36.2 54.2#

