

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
 Data File : BN035225.D
 Acq On : 21 Nov 2024 17:00
 Operator : RC/JU
 Sample : P4866-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW7-SP201-20241114

Quant Time: Nov 21 17:25:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:00:03 2024
 Response via : Initial Calibration

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

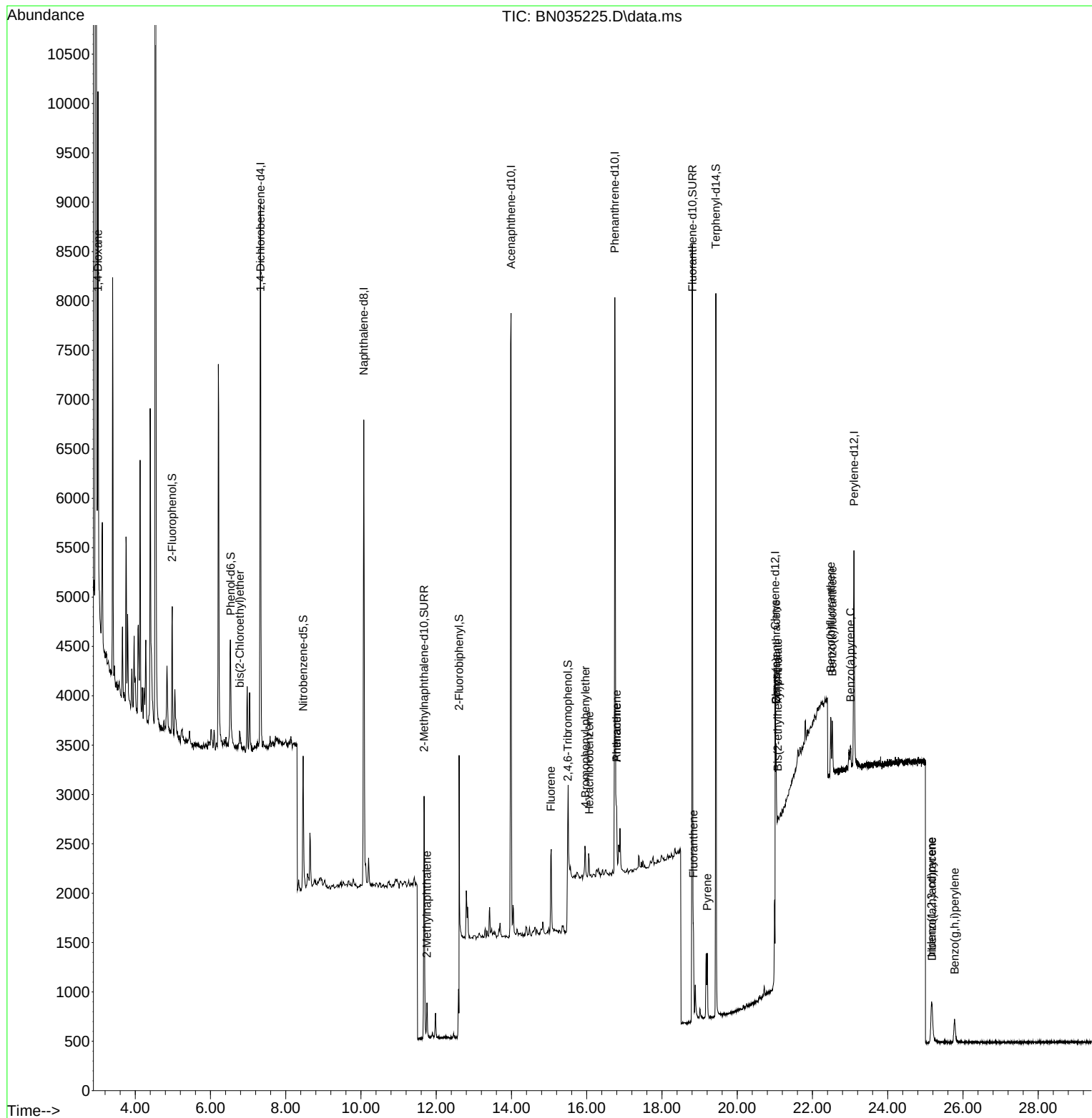
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.329	152	2730	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6373	0.400	ng	# 0.00
13) Acenaphthene-d10	13.987	164	3921	0.400	ng	0.00
19) Phenanthrene-d10	16.746	188	8423	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1472	0.400	ng	# 0.00
35) Perylene-d12	23.104	264	2672	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.982	112	1046	0.151	ng	0.00
5) Phenol-d6	6.535	99	777	0.089	ng	0.00
8) Nitrobenzene-d5	8.461	82	1697	0.306	ng	0.00
11) 2-Methylnaphthalene-d10	11.678	152	3504	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	989	0.350	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1511	0.095	ng	0.00
27) Fluoranthene-d10	18.806	212	9431	0.365	ng	0.00
31) Terphenyl-d14	19.433	244	7079	2.292	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.011	88	3185	1.284	ng	# 85
6) bis(2-Chloroethyl)ether	6.781	93	137	0.021	ng	# 78
12) 2-Methylnaphthalene	11.754	142	248	0.020	ng	# 72
18) Fluorene	15.045	166	432	0.027	ng	100
21) 4-Bromophenyl-phenylether	15.964	248	173	0.032	ng	# 44
22) Hexachlorobenzene	16.064	284	204	0.037	ng	# 87
25) Phenanthrene	16.796	178	719	0.032	ng	97
26) Anthracene	16.796	178	719	0.035	ng	98
28) Fluoranthene	18.834	202	734	0.024	ng	# 95
30) Pyrene	19.206	202	585	0.119	ng	97
32) Benzo(a)anthracene	21.035	228	1103	0.215	ng	# 83
33) Chrysene	21.035	228	1103	0.217	ng	# 87
34) Bis(2-ethylhexyl)phtha...	21.080	149	1928	0.717	ng	# 51
36) Indeno(1,2,3-cd)pyrene	25.165	276	515	0.048	ng	# 55
37) Benzo(b)fluoranthene	22.484	252	728	0.081	ng	# 26
38) Benzo(k)fluoranthene	22.525	252	680	0.076	ng	# 19
39) Benzo(a)pyrene	23.014	252	345	0.044	ng	# 1
40) Dibenzo(a,h)anthracene	25.177	278	384	0.045	ng	# 1
41) Benzo(g,h,i)perylene	25.776	276	465	0.052	ng	# 23

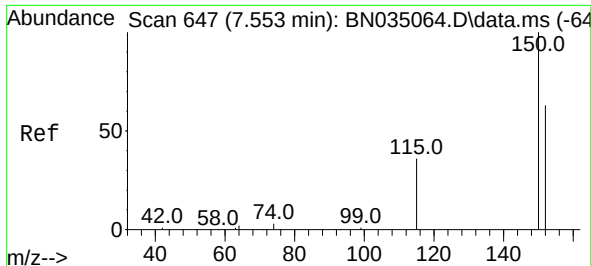
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
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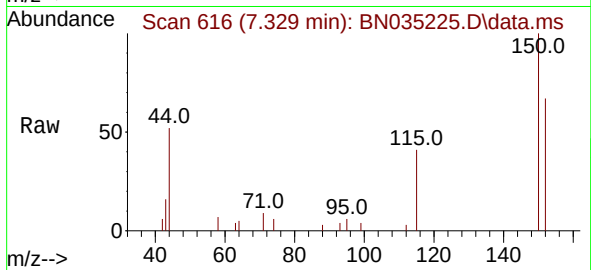
Quant Time: Nov 21 17:25:41 2024
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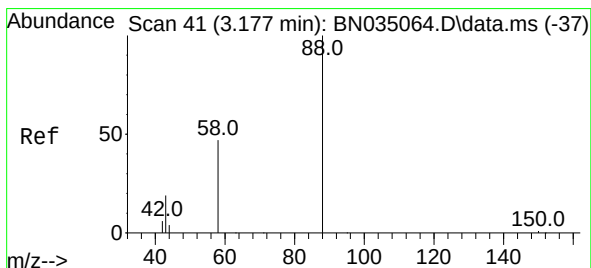
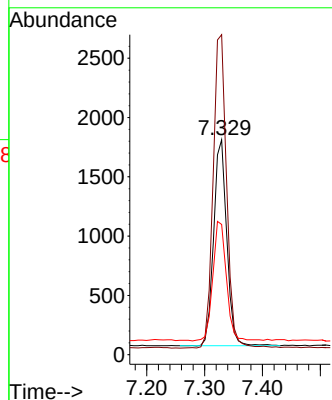
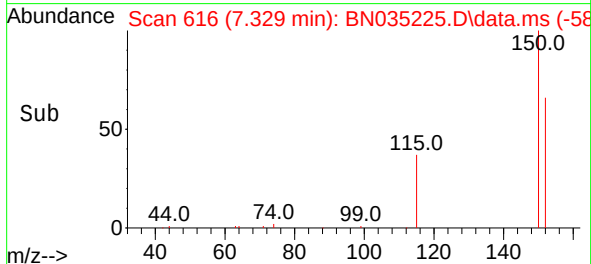


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.329 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

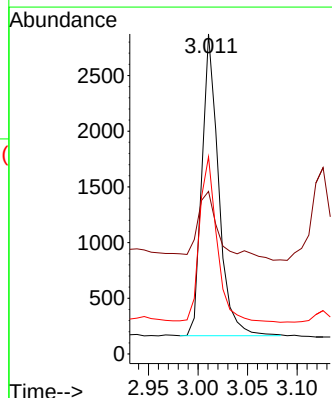
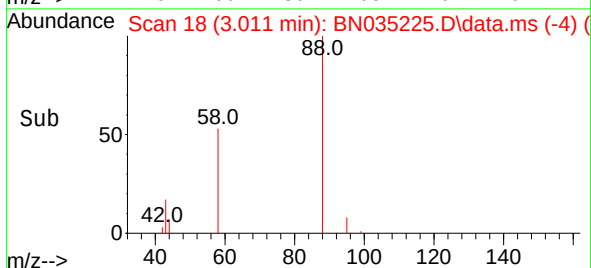
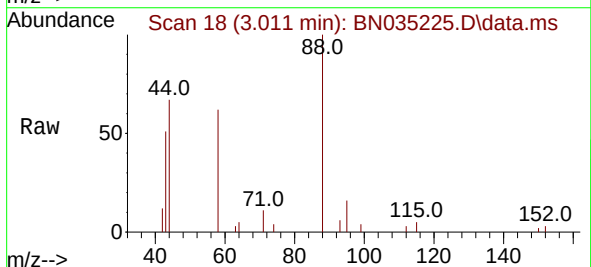


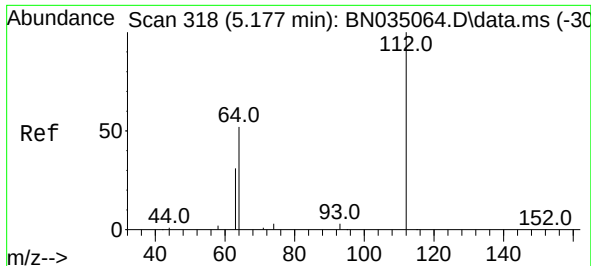
Tgt Ion:152 Resp: 2730
Ion Ratio Lower Upper
152 100
150 149.0 124.5 186.7
115 60.6 47.8 71.6



#2
1,4-Dioxane
Concen: 1.284 ng
RT: 3.011 min Scan# 18
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion: 88 Resp: 3185
Ion Ratio Lower Upper
88 100
43 29.7 16.9 25.3#
58 57.5 39.0 58.4

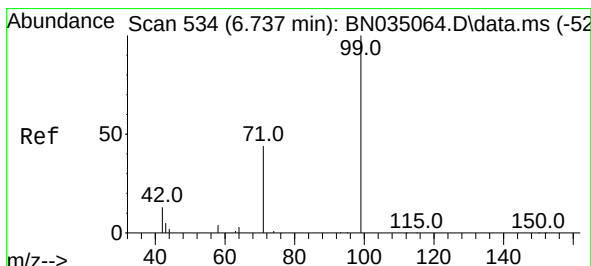
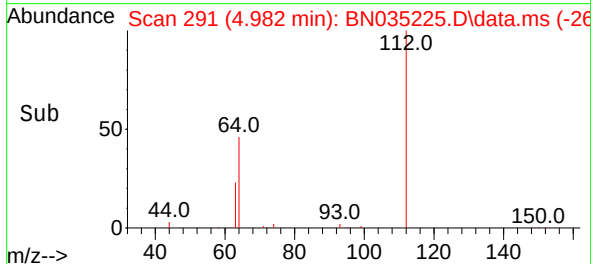
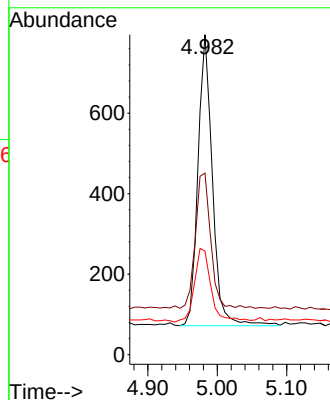
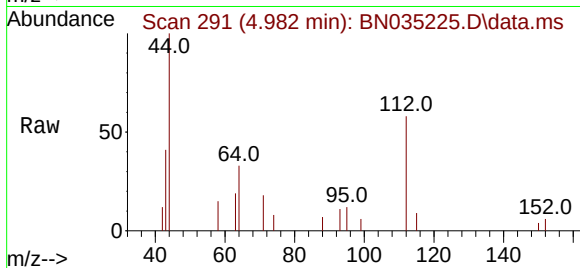




#4
2-Fluorophenol
Concen: 0.151 ng
RT: 4.982 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

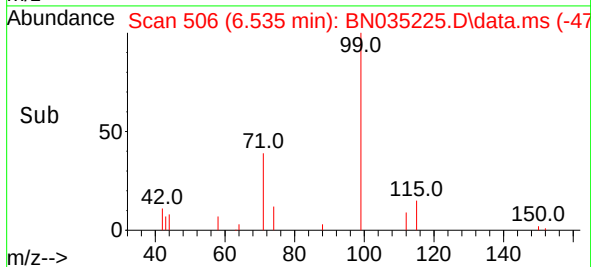
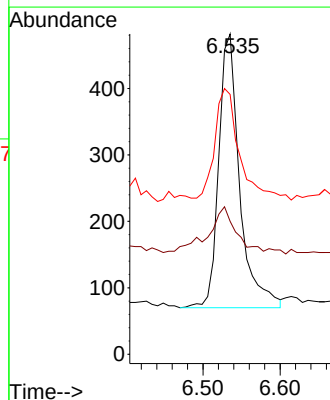
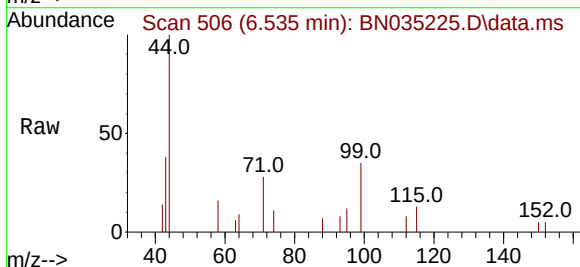
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

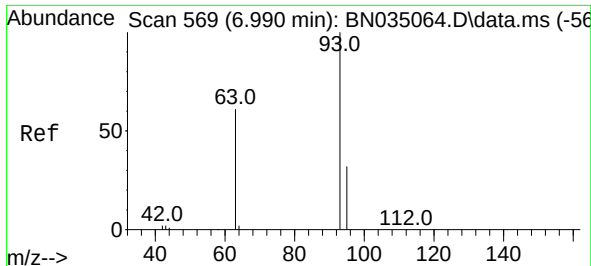
Tgt Ion:112 Resp: 1046
Ion Ratio Lower Upper
112 100
64 48.2 39.7 59.5
63 29.3 23.0 34.4



#5
Phenol-d6
Concen: 0.089 ng
RT: 6.535 min Scan# 506
Delta R.T. 0.007 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion: 99 Resp: 777
Ion Ratio Lower Upper
99 100
42 25.0 11.4 17.0#
71 47.9 34.6 51.8

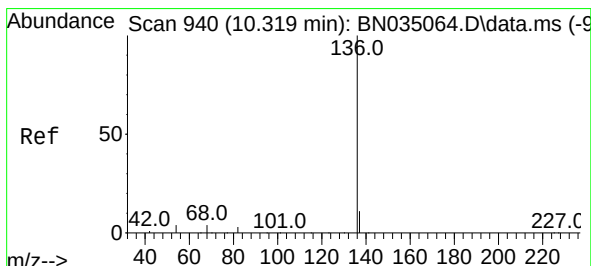
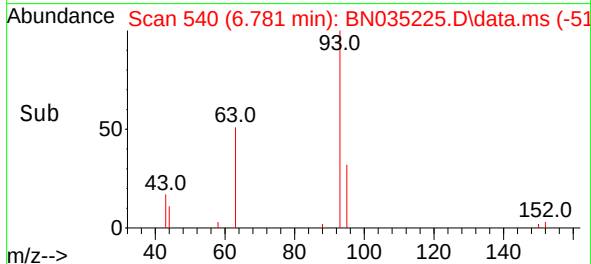
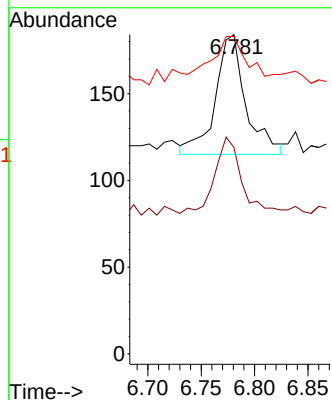
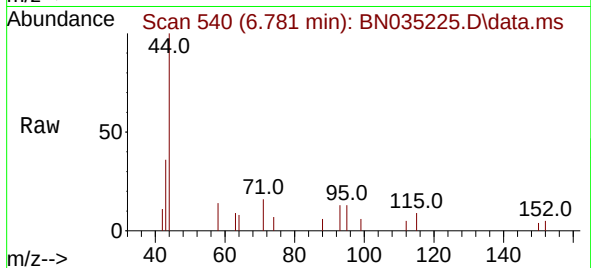




#6
bis(2-Chloroethyl)ether
Concen: 0.021 ng
RT: 6.781 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

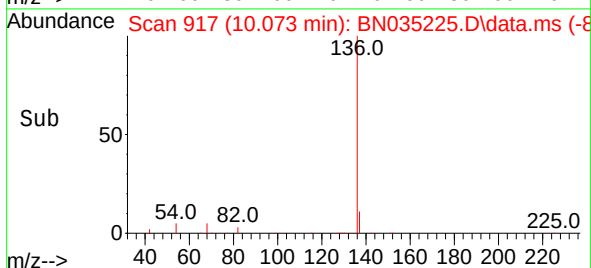
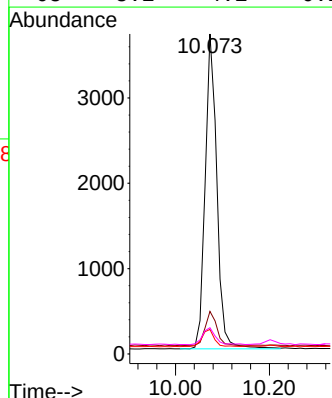
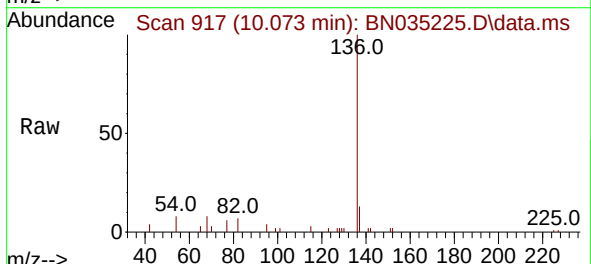
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

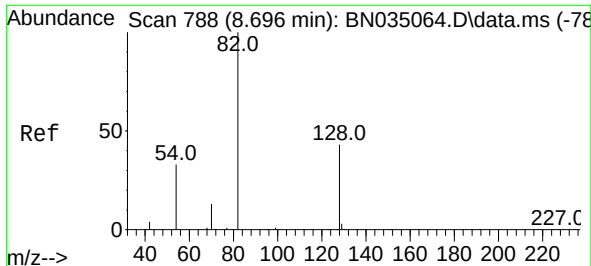
Tgt Ion: 93 Resp: 137
Ion Ratio Lower Upper
93 100
63 63.5 47.4 71.2
95 61.3 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion: 136 Resp: 6373
Ion Ratio Lower Upper
136 100
137 13.3 9.8 14.8
54 7.6 4.0 6.0#
68 8.2 4.2 6.2#

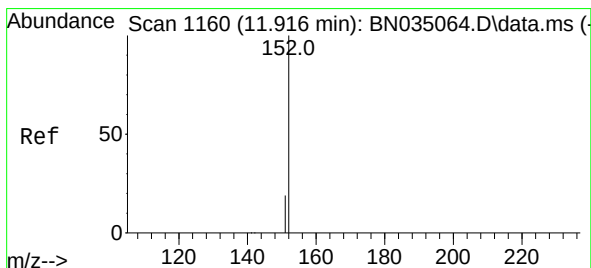
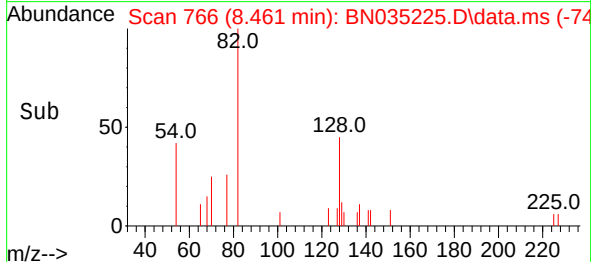
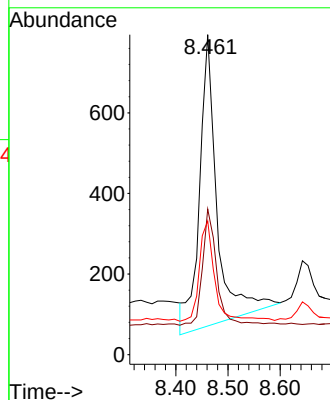
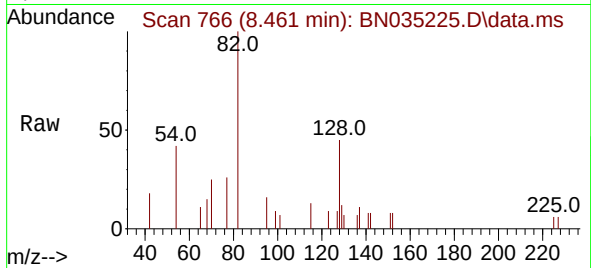




#8
Nitrobenzene-d5
Concen: 0.306 ng
RT: 8.461 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

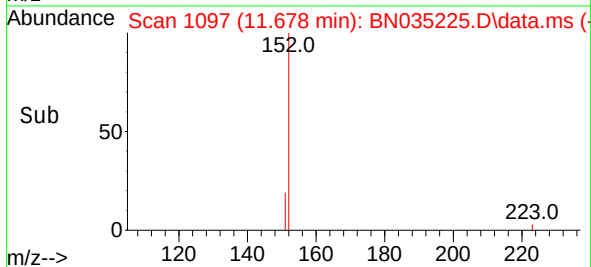
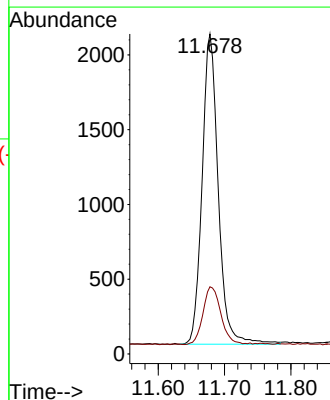
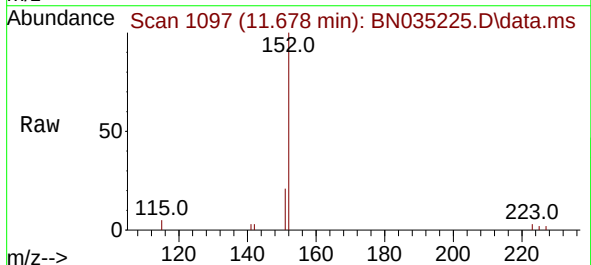
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

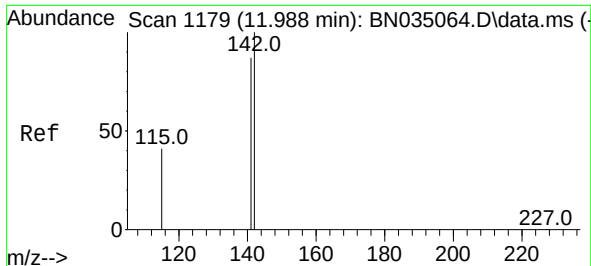
Tgt Ion: 82 Resp: 1697
Ion Ratio Lower Upper
82 100
128 45.5 36.5 54.7
54 41.8 28.7 43.1



#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 11.678 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:152 Resp: 3504
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.020 ng

RT: 11.754 min Scan# 1117

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW7-SP201-20241114

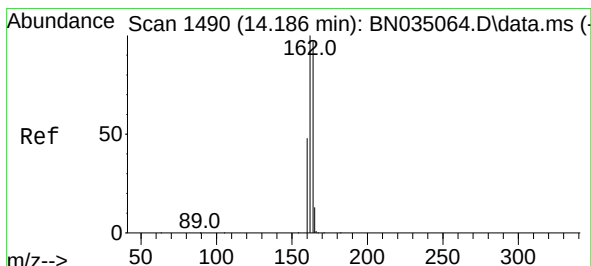
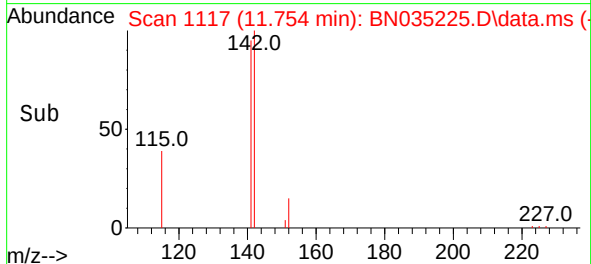
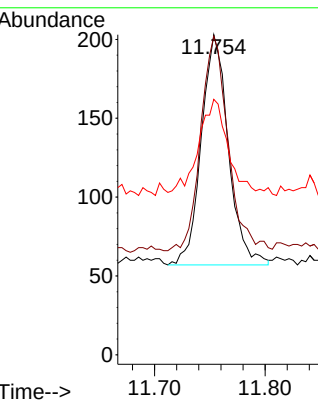
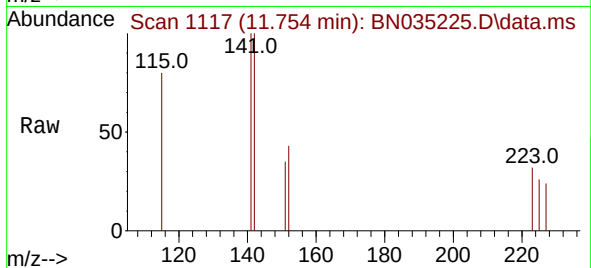
Tgt Ion:142 Resp: 248

Ion Ratio Lower Upper

142 100

141 99.5 70.1 105.1

115 79.8 34.4 51.6#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.987 min Scan# 1472

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

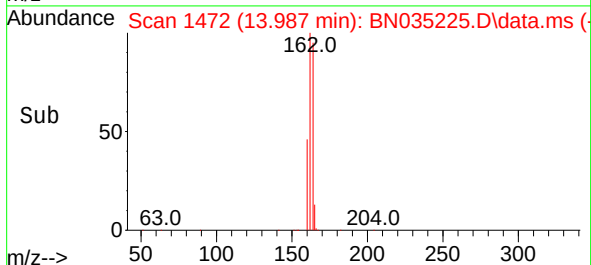
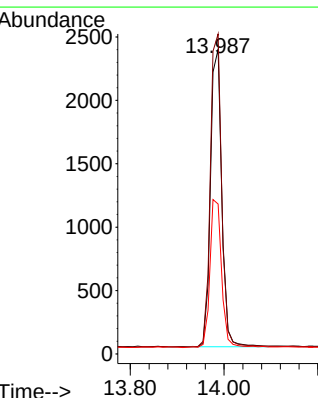
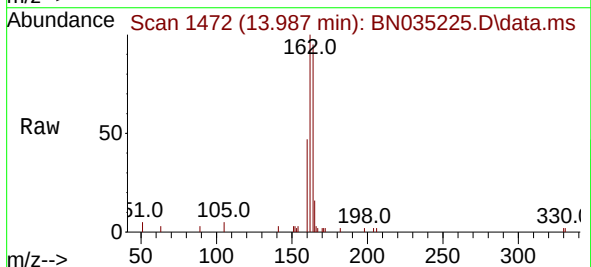
Tgt Ion:164 Resp: 3921

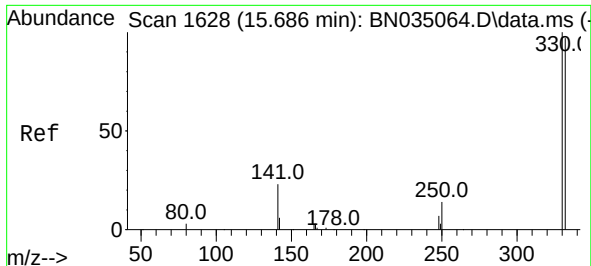
Ion Ratio Lower Upper

164 100

162 105.0 82.2 123.2

160 49.2 40.2 60.4





#14

2,4,6-Tribromophenol

Concen: 0.350 ng

RT: 15.494 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN035225.D

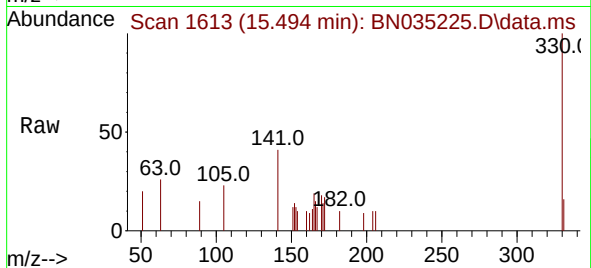
Acq: 21 Nov 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW7-SP201-20241114



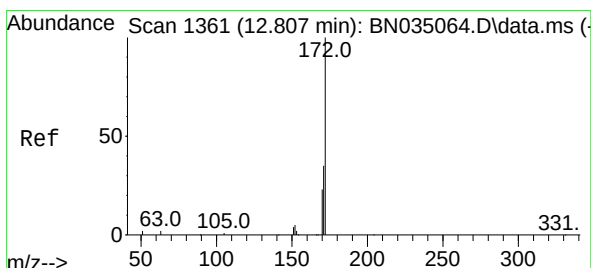
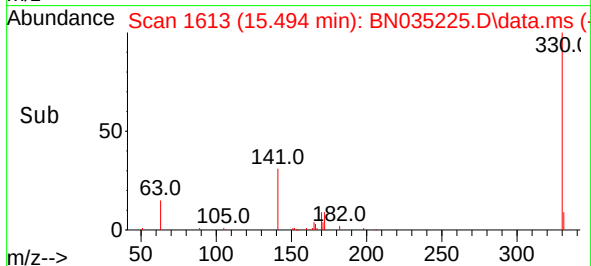
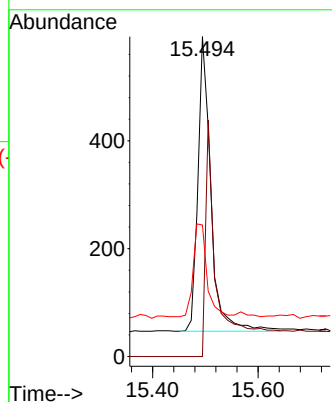
Tgt Ion:330 Resp: 989

Ion Ratio Lower Upper

330 100

332 84.6 76.9 115.3

141 0.0 29.6 44.4#



#15

2-Fluorobiphenyl

Concen: 0.095 ng

RT: 12.608 min Scan# 1343

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

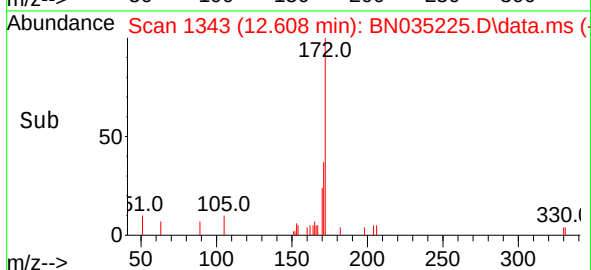
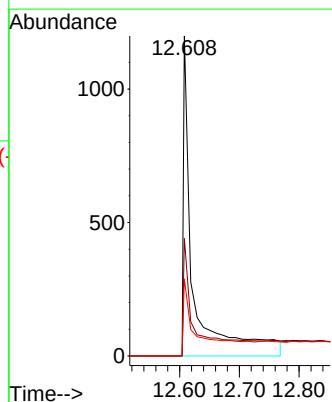
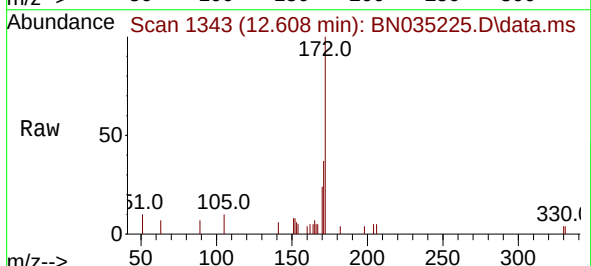
Tgt Ion:172 Resp: 1511

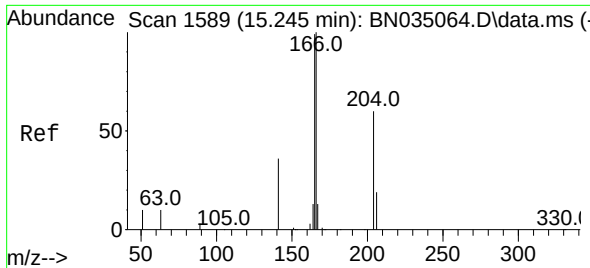
Ion Ratio Lower Upper

172 100

171 36.7 28.2 42.4

170 24.1 19.0 28.6

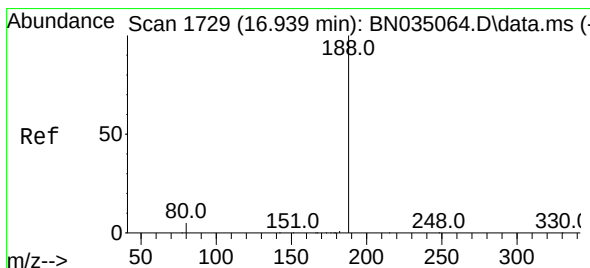
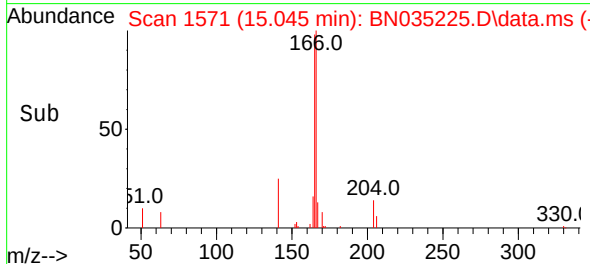
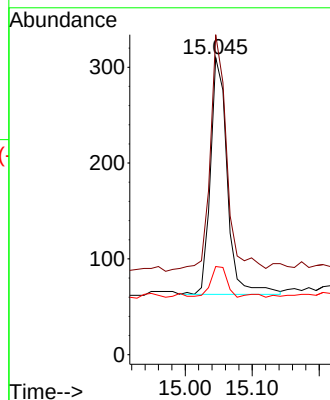
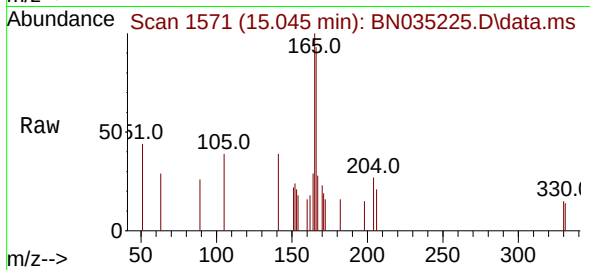




#18
Fluorene
Concen: 0.027 ng
RT: 15.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

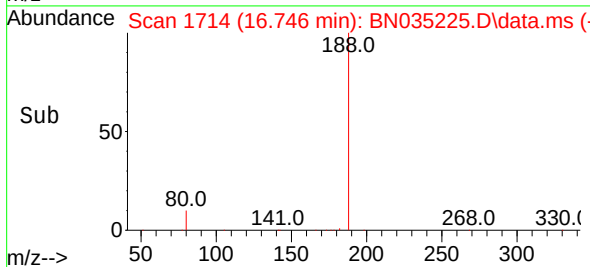
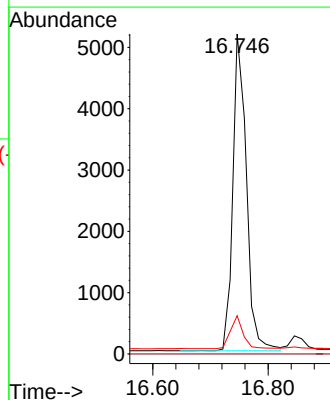
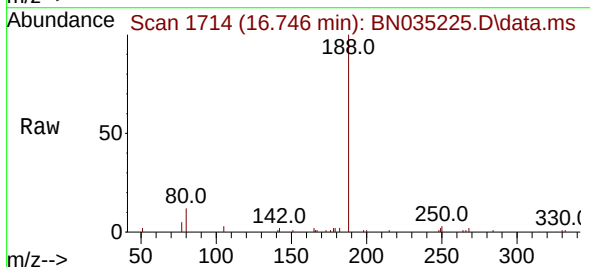
Instrument :
BNA_N
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RW7-SP201-20241114

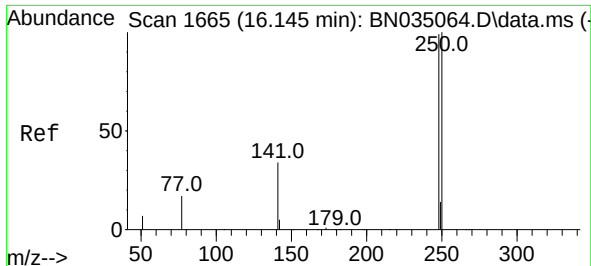
Tgt Ion:166 Resp: 432
Ion Ratio Lower Upper
166 100
165 98.8 79.1 118.7
167 13.2 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

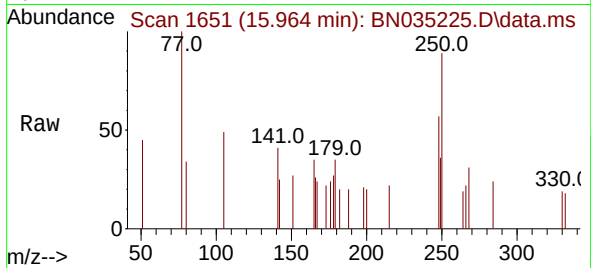
Tgt Ion:188 Resp: 8423
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.0 4.3 6.5#



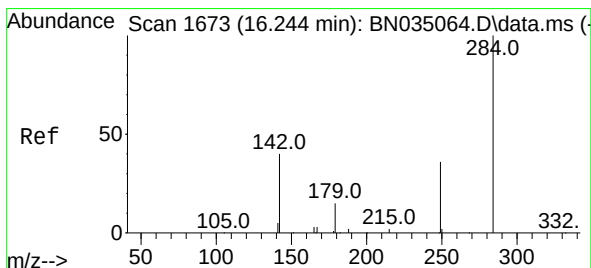
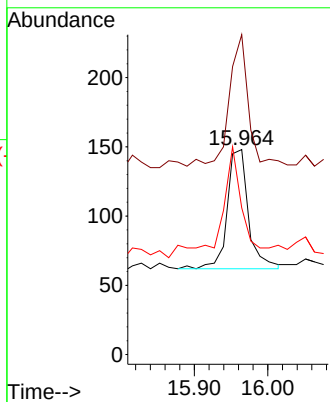
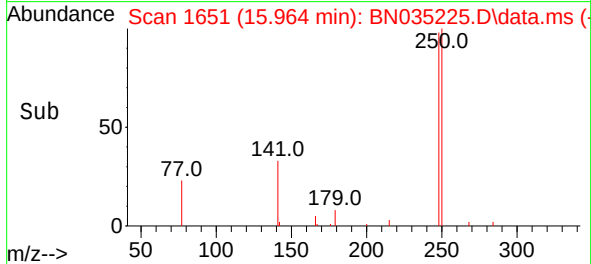


#21
4-Bromophenyl-phenylether
Concen: 0.032 ng
RT: 15.964 min Scan# 1651
Delta R.T. 0.012 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

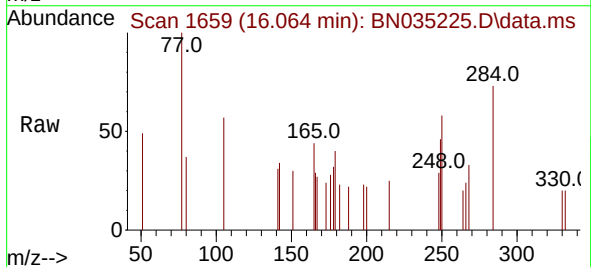
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



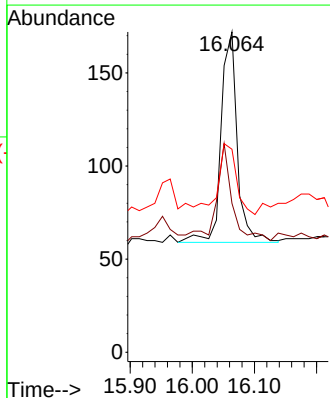
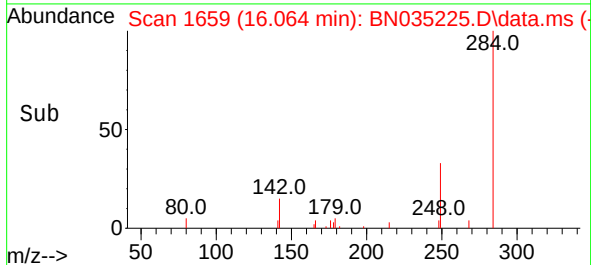
Tgt Ion:248 Resp: 173
Ion Ratio Lower Upper
248 100
250 156.1 81.2 121.8#
141 71.6 29.1 43.7#

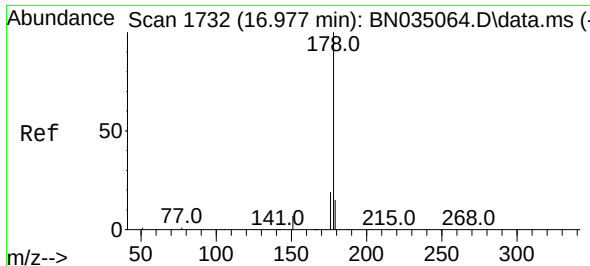


#22
Hexachlorobenzene
Concen: 0.037 ng
RT: 16.064 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00



Tgt Ion:284 Resp: 204
Ion Ratio Lower Upper
284 100
142 44.6 28.2 42.4#
249 38.2 26.2 39.2

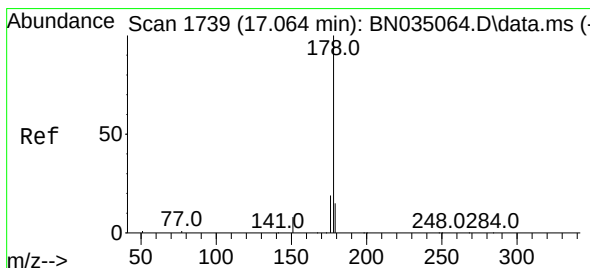
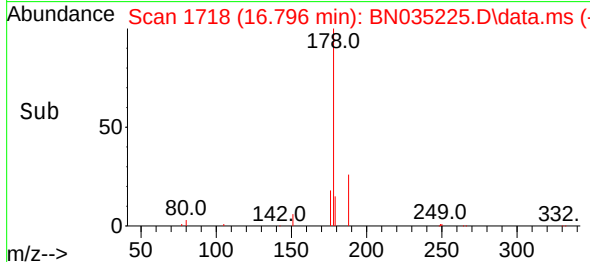
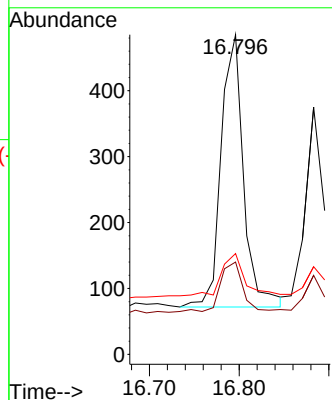
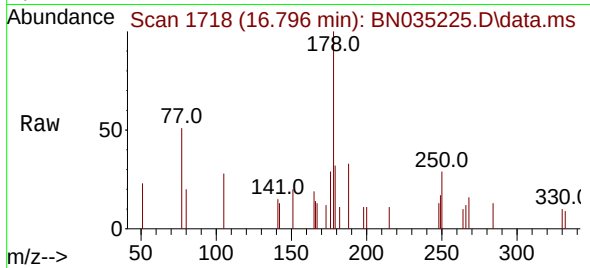




#25
Phenanthrene
Concen: 0.032 ng
RT: 16.796 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

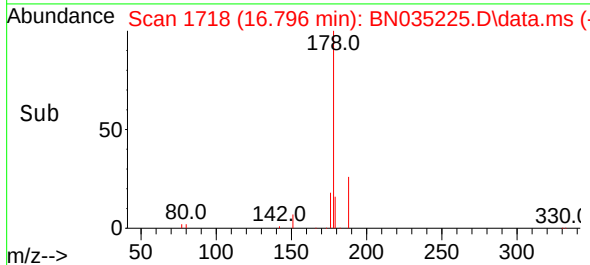
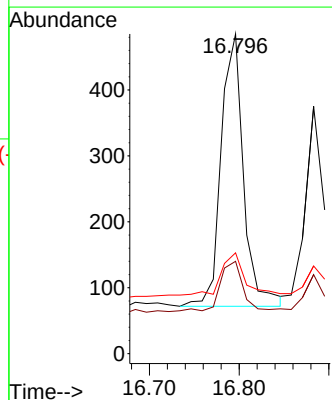
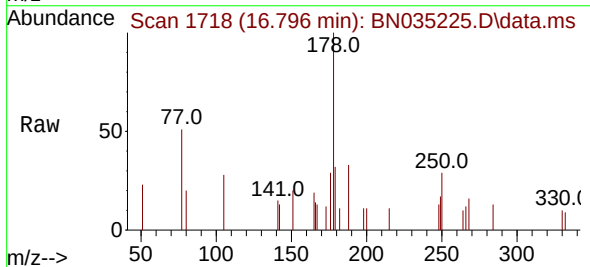
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

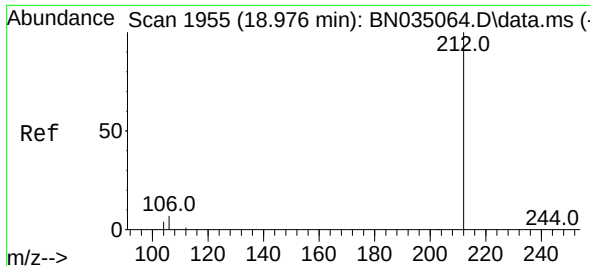
Tgt Ion:	178	Resp:	719
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.2	22.8
179	17.9	12.6	18.8



#26
Anthracene
Concen: 0.035 ng
RT: 16.796 min Scan# 1718
Delta R.T. -0.087 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:	178	Resp:	719
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.6	22.0
179	16.7	12.2	18.2

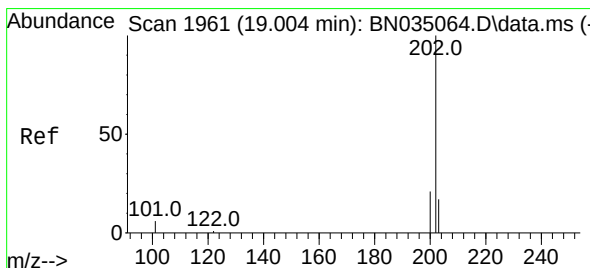
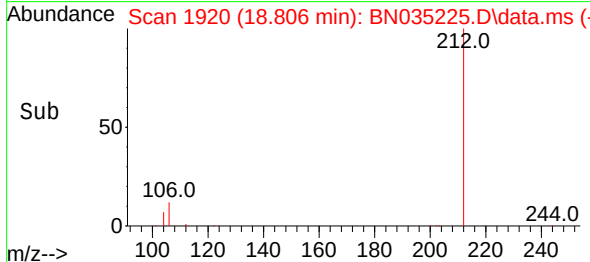
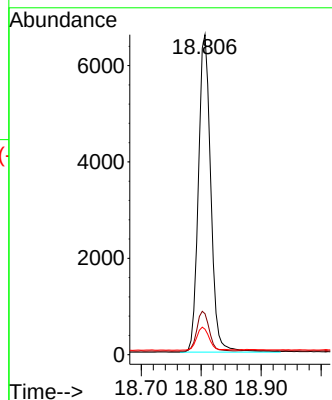
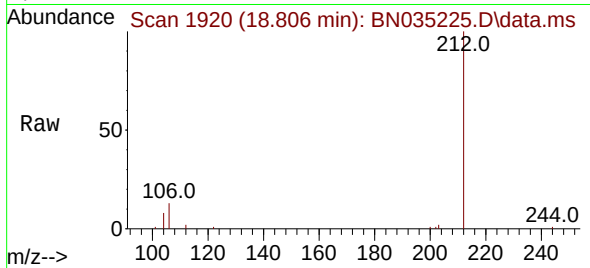




#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 18.806 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

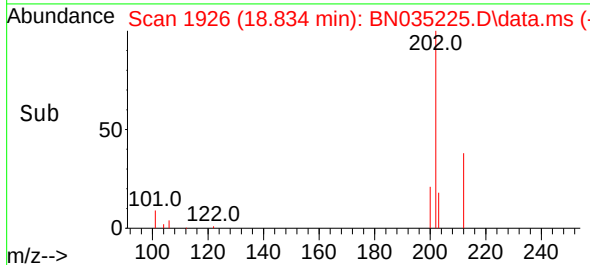
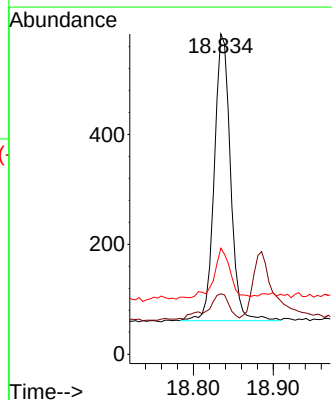
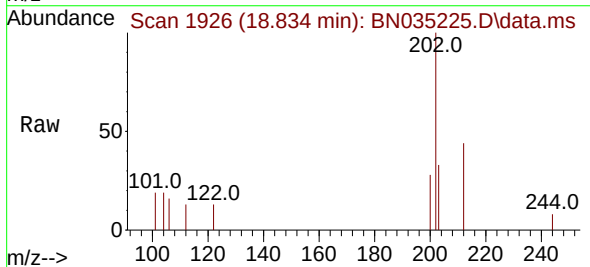
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

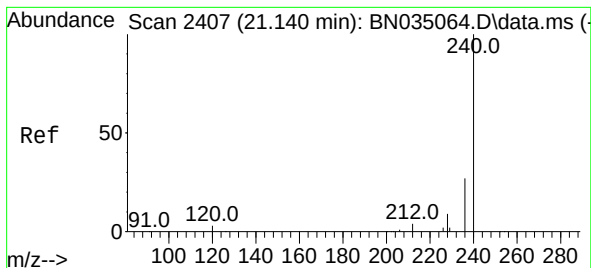
Tgt Ion:212 Resp: 9431
Ion Ratio Lower Upper
212 100
106 12.7 6.0 9.0#
104 7.3 3.5 5.3#



#28
Fluoranthene
Concen: 0.024 ng
RT: 18.834 min Scan# 1926
Delta R.T. -0.005 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:202 Resp: 734
Ion Ratio Lower Upper
202 100
101 11.4 5.2 7.8#
203 17.7 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 2407

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW7-SP201-20241114

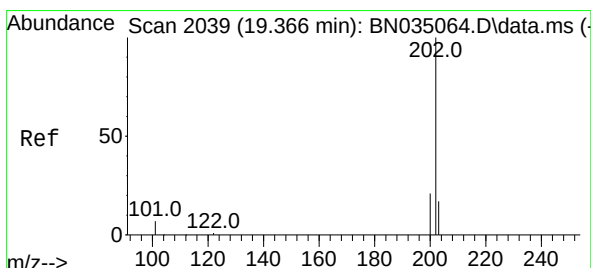
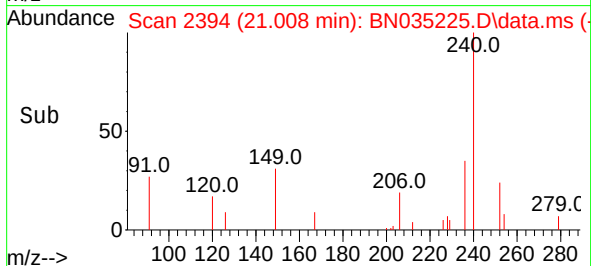
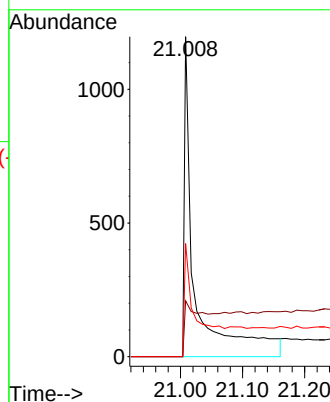
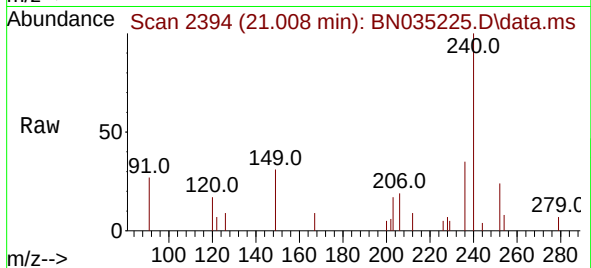
Tgt Ion:240 Resp: 1472

Ion Ratio Lower Upper

240 100

120 17.5 3.8 5.6#

236 35.3 22.2 33.2#



#30

Pyrene

Concen: 0.119 ng

RT: 19.206 min Scan# 2006

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

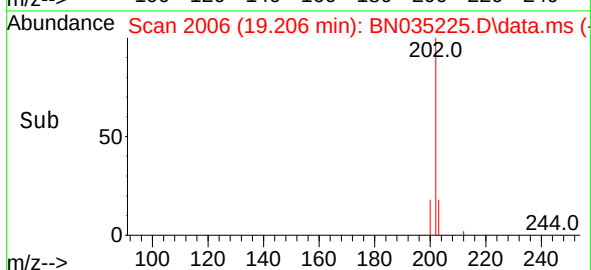
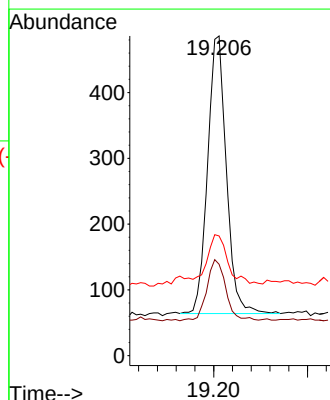
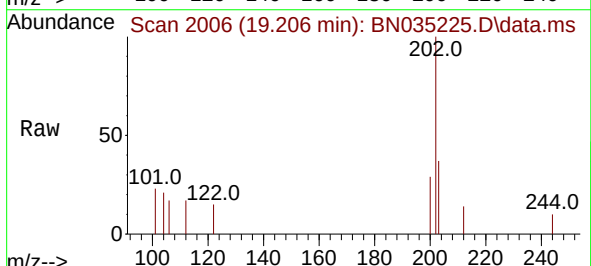
Tgt Ion:202 Resp: 585

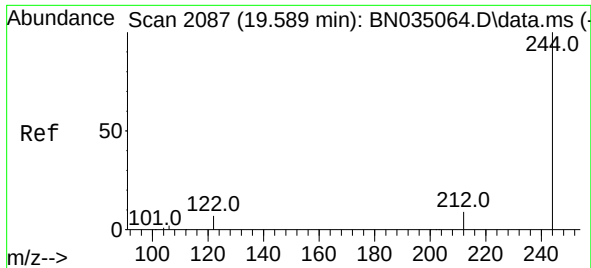
Ion Ratio Lower Upper

202 100

200 22.4 16.7 25.1

203 19.3 14.2 21.4

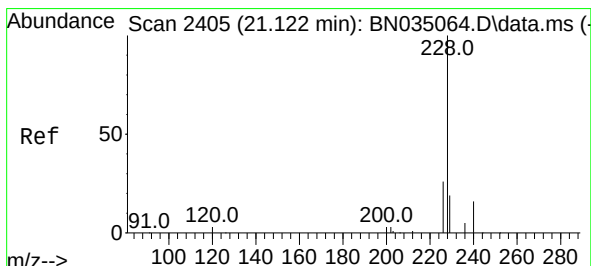
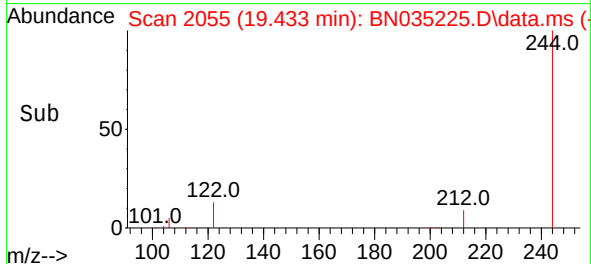
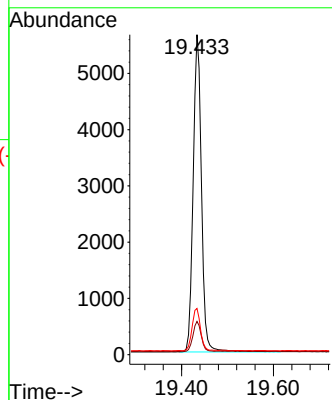
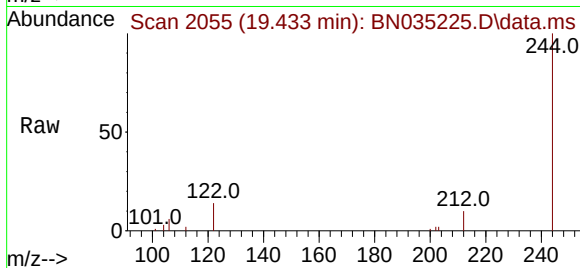




#31
 Terphenyl-d14
 Concen: 2.292 ng
 RT: 19.433 min Scan# 2087
 Delta R.T. -0.005 min
 Lab File: BN035225.D
 Acq: 21 Nov 2024 17:00

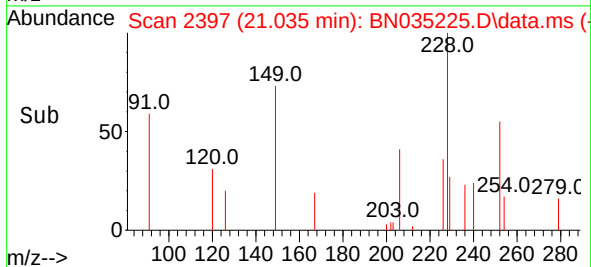
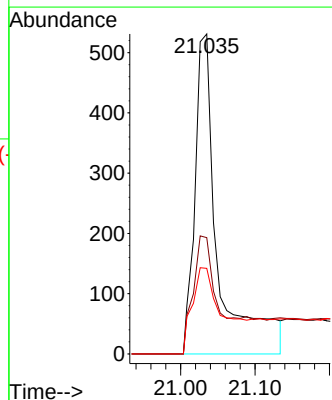
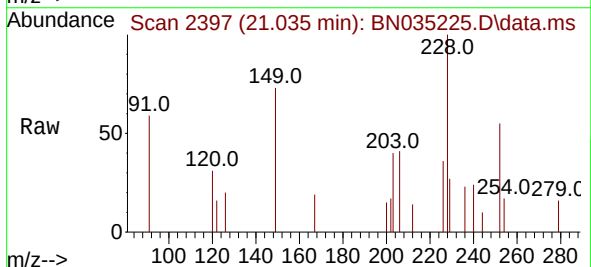
Instrument :
 BNA_N
 ClientSampleId :
 RW7-SP201-20241114

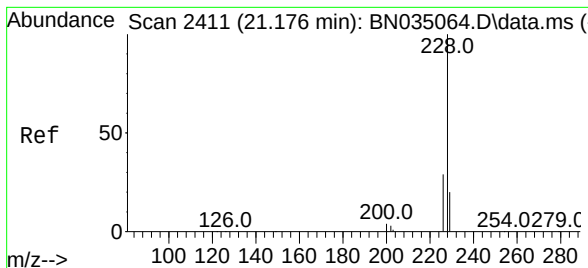
Tgt Ion:244 Resp: 7079
 Ion Ratio Lower Upper
 244 100
 212 10.4 7.6 11.4
 122 14.5 6.1 9.1#



#32
 Benzo(a)anthracene
 Concen: 0.215 ng
 RT: 21.035 min Scan# 2397
 Delta R.T. 0.000 min
 Lab File: BN035225.D
 Acq: 21 Nov 2024 17:00

Tgt Ion:228 Resp: 1103
 Ion Ratio Lower Upper
 228 100
 226 36.3 21.4 32.0#
 229 26.7 15.7 23.5#





#33

Chrysene

Concen: 0.217 ng

RT: 21.035 min Scan# 2411

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW7-SP201-20241114

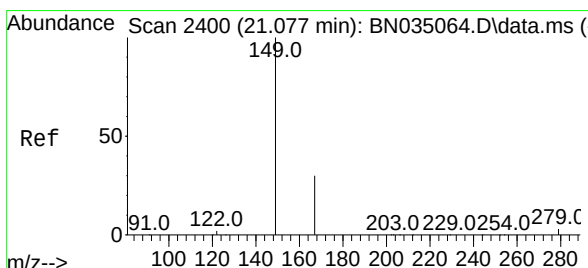
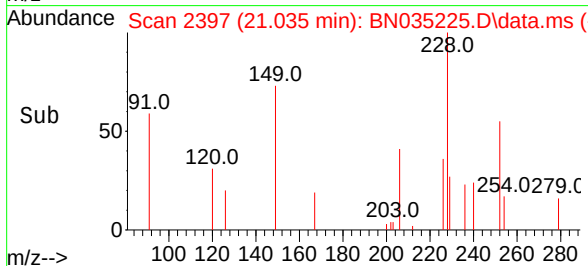
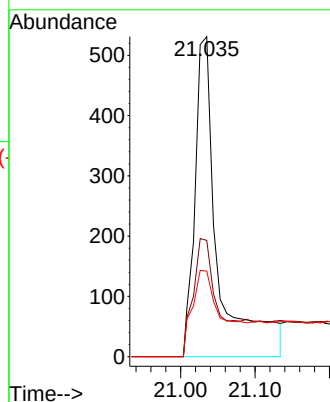
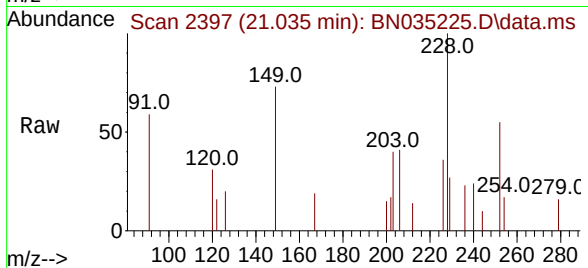
Tgt Ion:228 Resp: 1103

Ion Ratio Lower Upper

228 100

226 36.3 23.7 35.5#

229 26.7 16.2 24.4#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.717 ng

RT: 21.080 min Scan# 2402

Delta R.T. 0.054 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

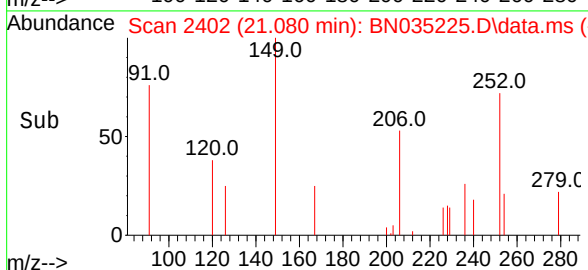
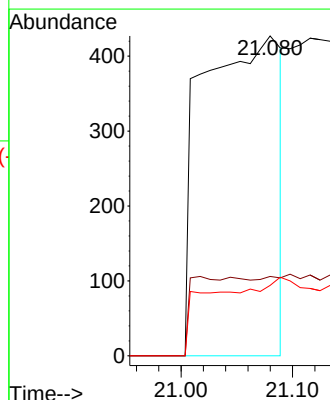
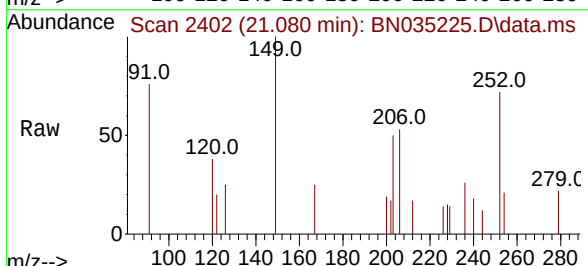
Tgt Ion:149 Resp: 1928

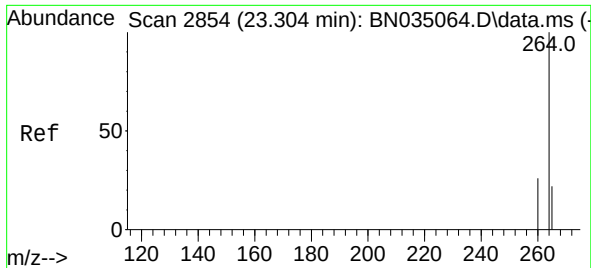
Ion Ratio Lower Upper

149 100

167 0.0 23.2 34.8#

279 0.0 3.2 4.8#

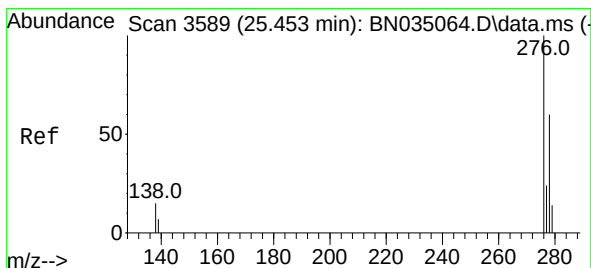
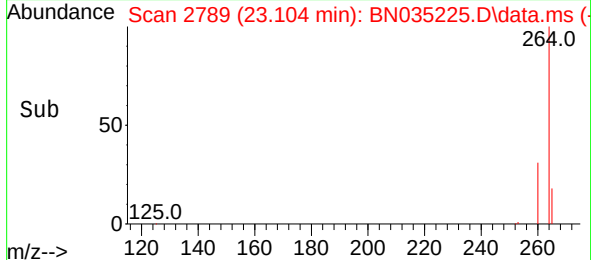
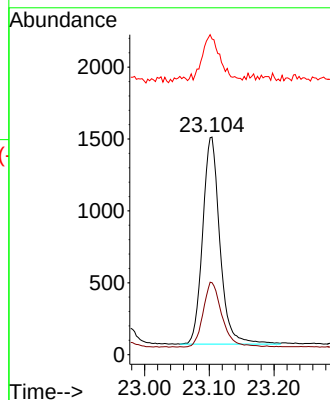
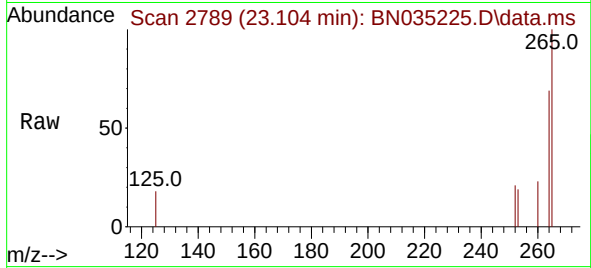




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

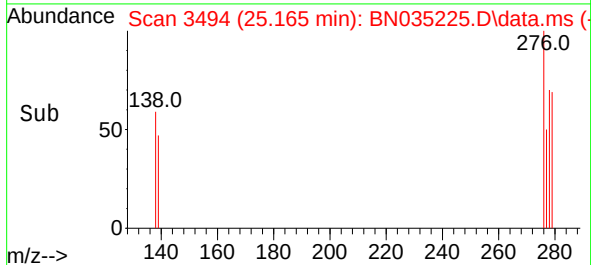
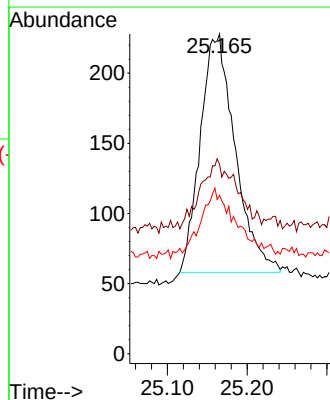
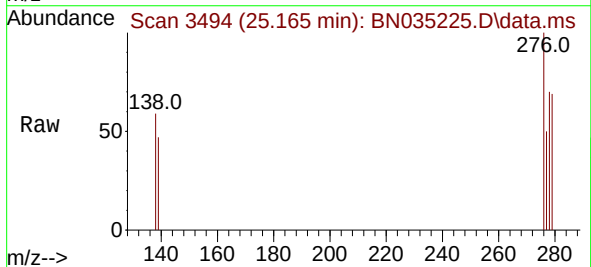
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

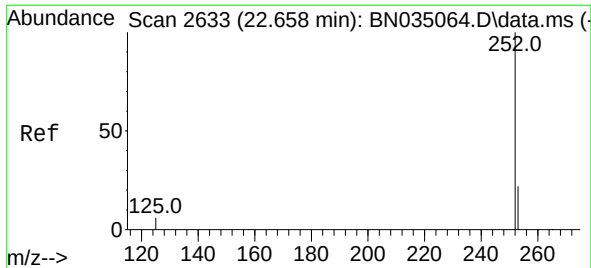
Tgt Ion:264 Resp: 2672
Ion Ratio Lower Upper
264 100
260 33.1 20.9 31.3#
265 145.0 35.4 53.2#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.048 ng
RT: 25.165 min Scan# 3494
Delta R.T. 0.009 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:276 Resp: 515
Ion Ratio Lower Upper
276 100
138 0.0 13.0 19.4#
277 0.0 19.8 29.6#

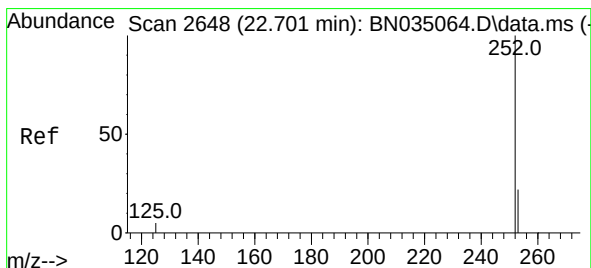
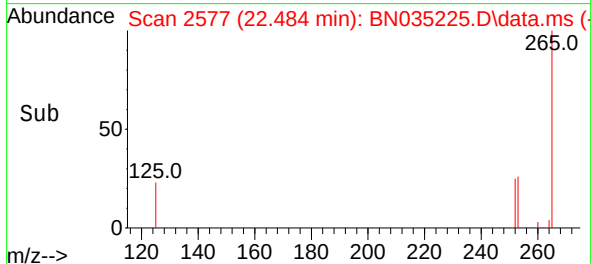
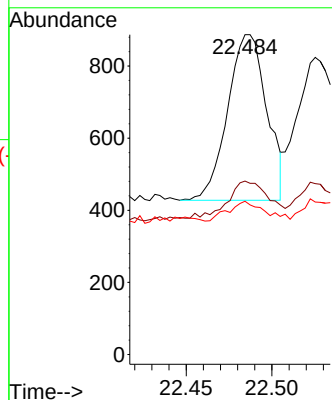
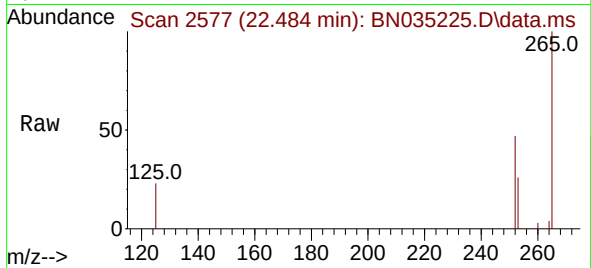




#37
Benzo(b)fluoranthene
Concen: 0.081 ng
RT: 22.484 min Scan# 2591
Delta R.T. -0.003 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

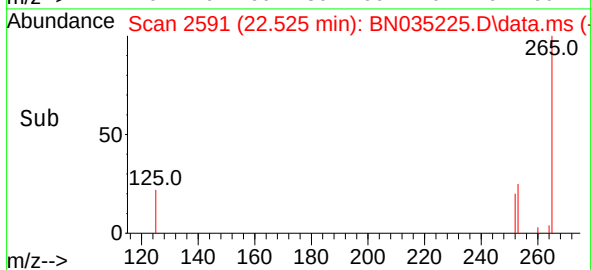
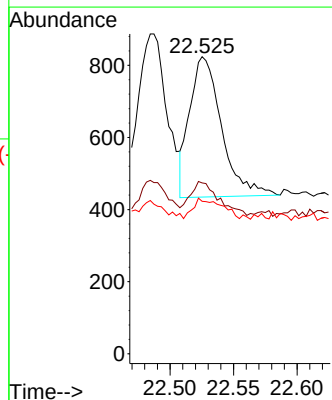
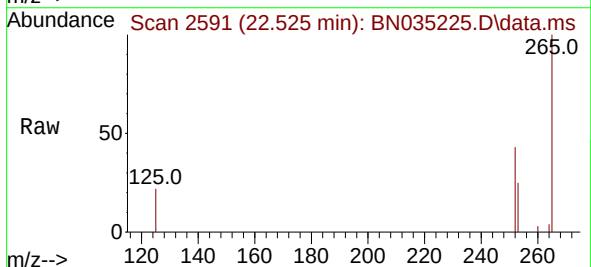
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

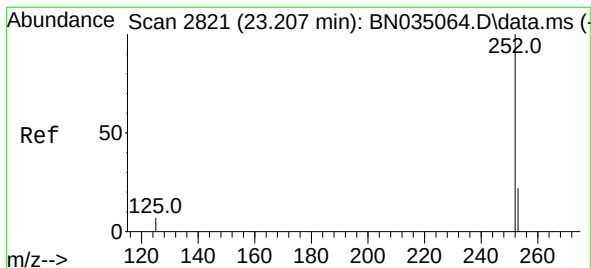
Tgt Ion:252 Resp: 728
Ion Ratio Lower Upper
252 100
253 54.2 19.3 28.9#
125 47.9 6.2 9.2#



#38
Benzo(k)fluoranthene
Concen: 0.076 ng
RT: 22.525 min Scan# 2591
Delta R.T. -0.003 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:252 Resp: 680
Ion Ratio Lower Upper
252 100
253 57.5 19.5 29.3#
125 51.3 6.5 9.7#





#39

Benzo(a)pyrene

Concen: 0.044 ng

RT: 23.014 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW7-SP201-20241114

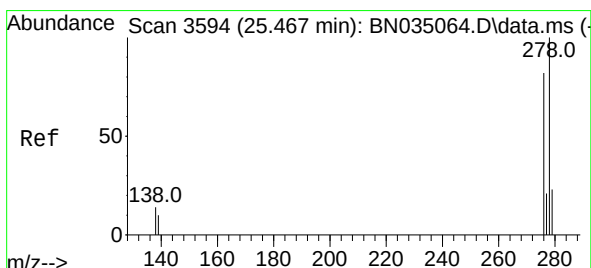
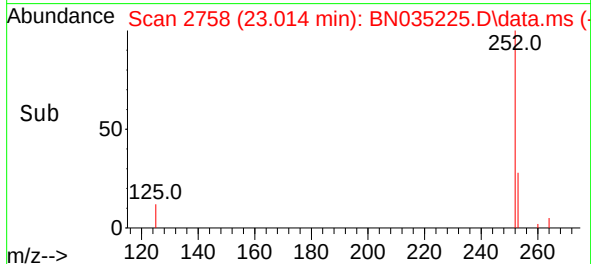
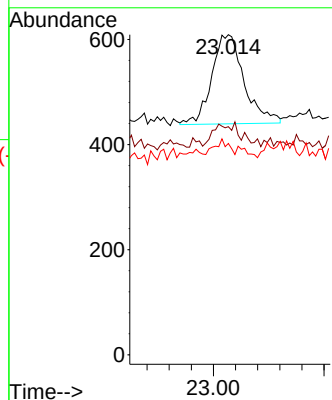
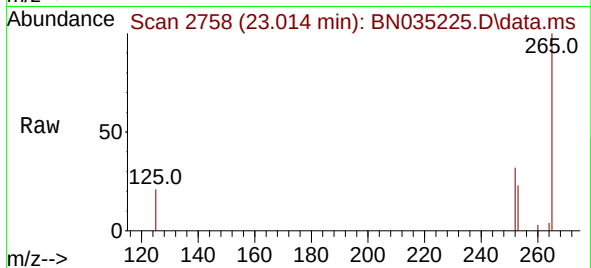
Tgt Ion:252 Resp: 345

Ion Ratio Lower Upper

252 100

253 71.3 20.1 30.1#

125 66.0 7.5 11.3#



#40

Dibenzo(a,h)anthracene

Concen: 0.045 ng

RT: 25.177 min Scan# 3498

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

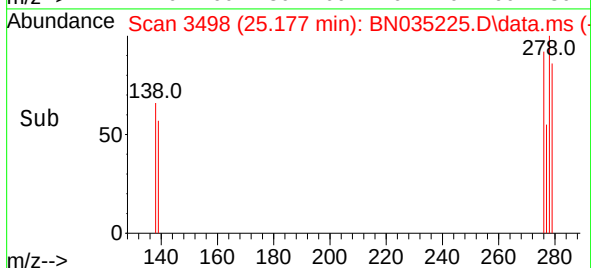
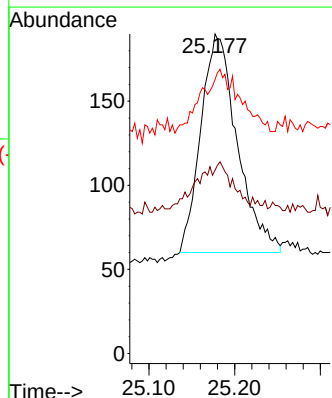
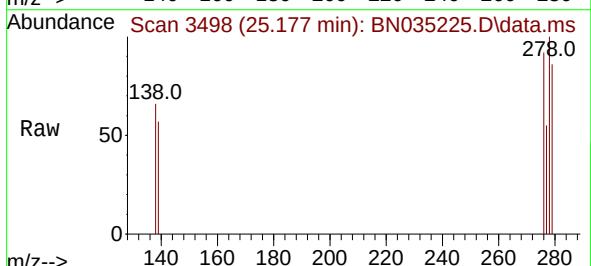
Tgt Ion:278 Resp: 384

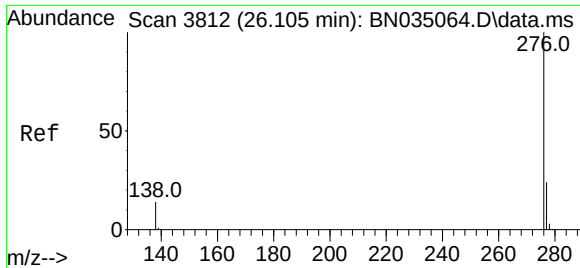
Ion Ratio Lower Upper

278 100

139 57.4 9.3 13.9#

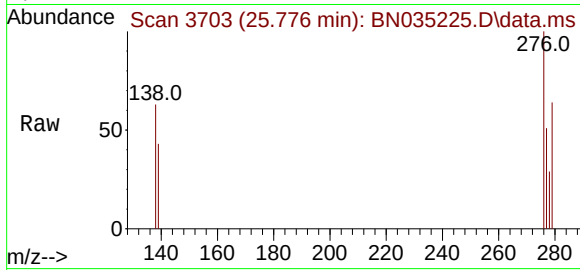
279 85.8 19.7 29.5#





#41
Benzo(g,h,i)perylene
Concen: 0.052 ng
RT: 25.776 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion:	276	Resp:	465
Ion	Ratio	Lower	Upper
276	100		
277	51.2	19.9	29.9#
138	63.3	11.6	17.4#

