

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070222\
 Data File : BN020653.D
 Acq On : 03 Jul 2022 07:31
 Operator : CG/JU
 Sample : N3535-01
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW8-20220628

Quant Time: Jul 04 02:41:20 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 02 03:10:12 2022
 Response via : Initial Calibration

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

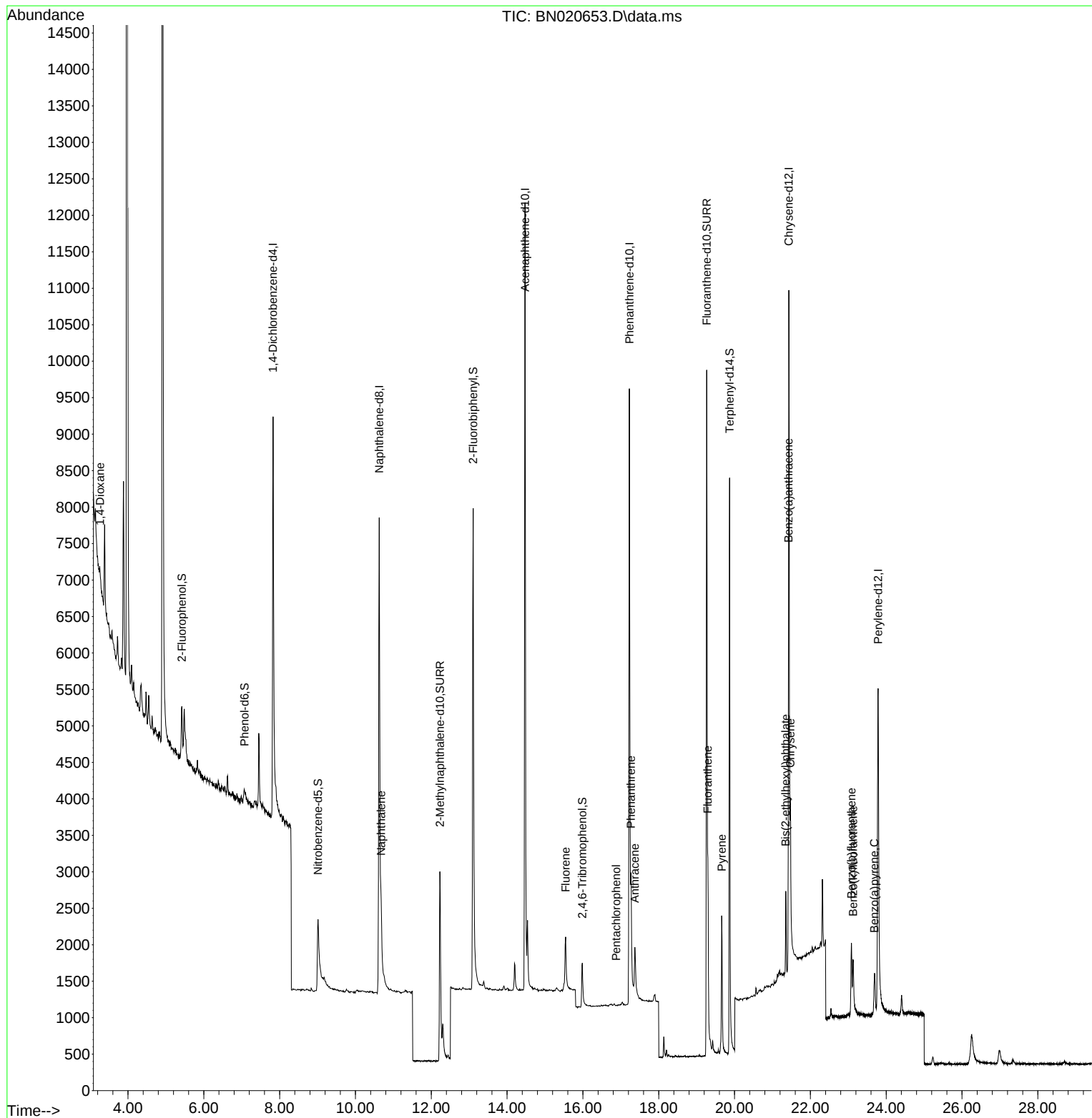
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	3985	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	12081	0.400	ng	# 0.00
13) Acenaphthene-d10	14.474	164	6975	0.400	ng	0.00
19) Phenanthrene-d10	17.225	188	14218	0.400	ng	# 0.00
29) Chrysene-d12	21.431	240	10222	0.400	ng	0.00
35) Perylene-d12	23.787	264	7964	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.420	112	967	0.087	ng	0.00
5) Phenol-d6	7.074	99	463	0.035	ng	0.04
8) Nitrobenzene-d5	9.014	82	1914	0.195	ng	0.02
11) 2-Methylnaphthalene-d10	12.227	152	5349	0.258	ng	0.00
14) 2,4,6-Tribromophenol	15.984	330	472	0.180	ng	0.01
15) 2-Fluorobiphenyl	13.105	172	7540	0.262	ng	0.00
27) Fluoranthene-d10	19.265	212	12462	0.295	ng	0.00
31) Terphenyl-d14	19.868	244	9759	0.399	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.261	88	125	0.024	ng	# 64
9) Naphthalene	10.680	128	1331	0.037	ng	# 77
18) Fluorene	15.543	166	711	0.024	ng	98
24) Pentachlorophenol	16.877	266	4	0.185	ng	# 18
25) Phenanthrene	17.266	178	1682	0.035	ng	98
26) Anthracene	17.369	178	1194	0.029	ng	97
28) Fluoranthene	19.295	202	2136	0.041	ng	97
30) Pyrene	19.661	202	2182	0.050	ng	98
32) Benzo(a)anthracene	21.422	228	1455	0.040	ng	# 88
33) Chrysene	21.476	228	1814	0.045	ng	94
34) Bis(2-ethylhexyl)phtha...	21.351	149	1133	0.055	ng	# 96
37) Benzo(b)fluoranthene	23.083	252	1199	0.039	ng	# 31
38) Benzo(k)fluoranthene	23.127	252	1066	0.033	ng	# 48
39) Benzo(a)pyrene	23.688	252	842	0.032	ng	# 1

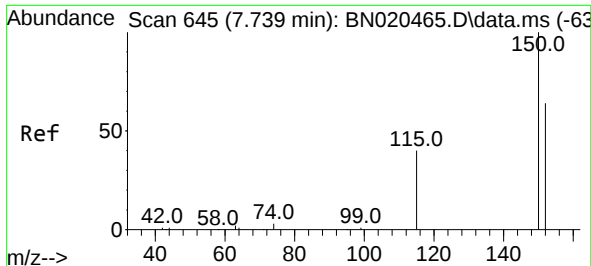
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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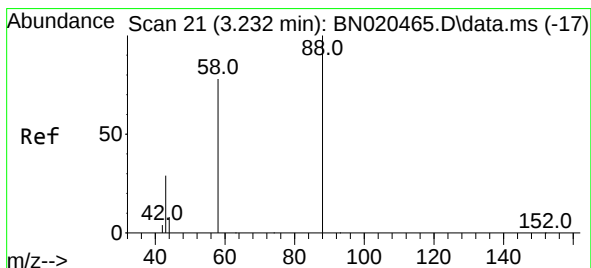
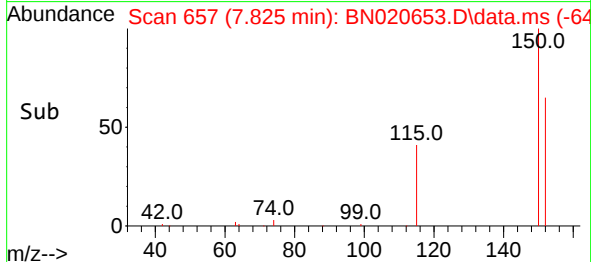
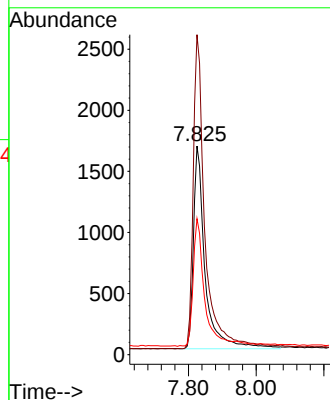
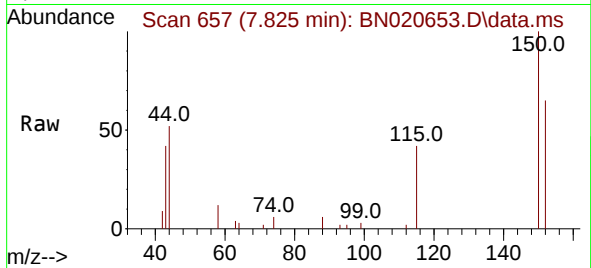




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.825 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN020653.D
 Acq: 03 Jul 2022 07:31

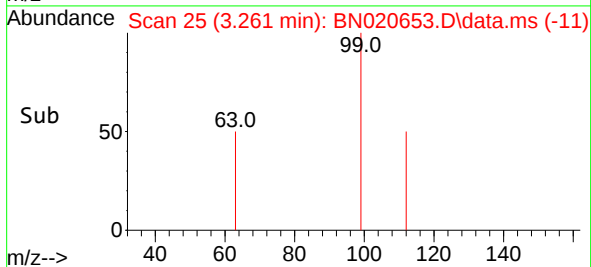
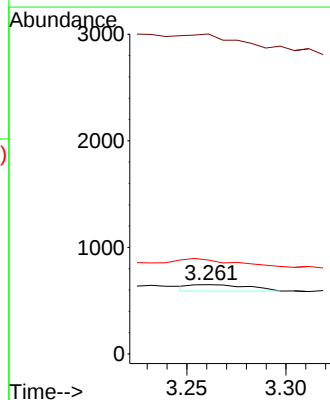
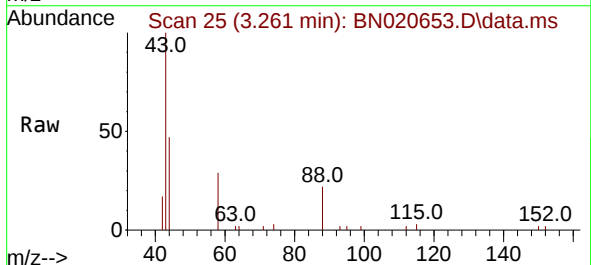
Instrument :
 BNA_N
 ClientSampleId :
 RW8-20220628

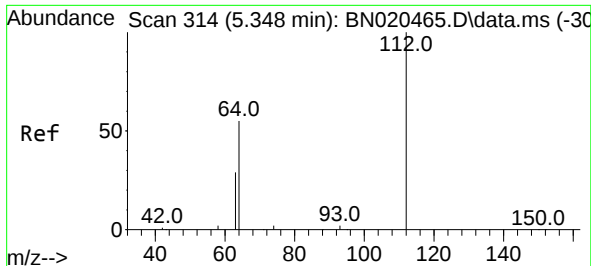
Tgt Ion:152 Resp: 3985
 Ion Ratio Lower Upper
 152 100
 150 153.3 127.9 191.9
 115 65.2 51.4 77.2



#2
 1,4-Dioxane
 Concen: 0.024 ng
 RT: 3.261 min Scan# 25
 Delta R.T. 0.000 min
 Lab File: BN020653.D
 Acq: 03 Jul 2022 07:31

Tgt Ion: 88 Resp: 125
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.2 45.2#
 58 115.2 73.0 109.6#

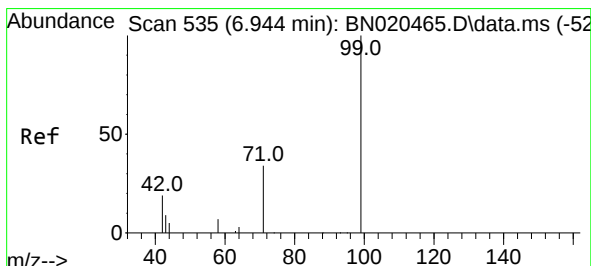
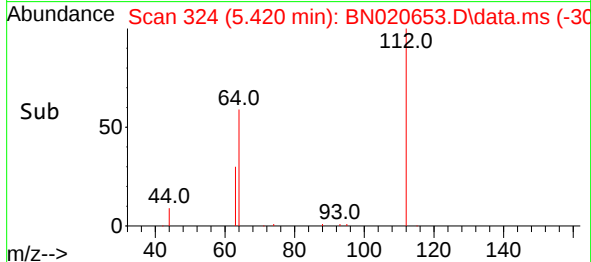
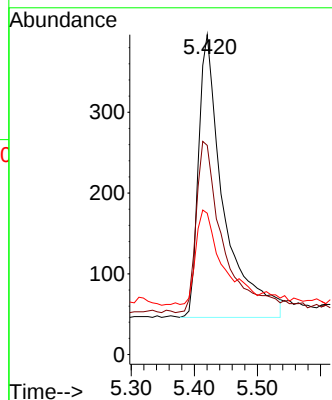
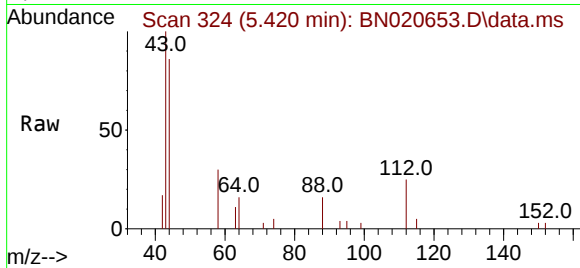




#4
2-Fluorophenol
Concen: 0.087 ng
RT: 5.420 min Scan# 314
Delta R.T. 0.007 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

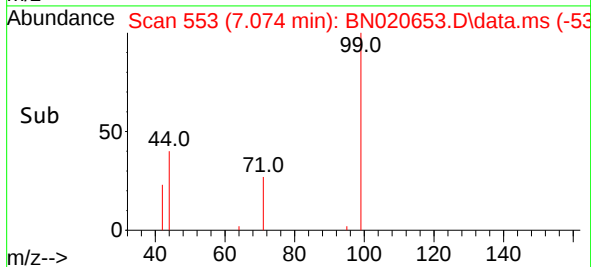
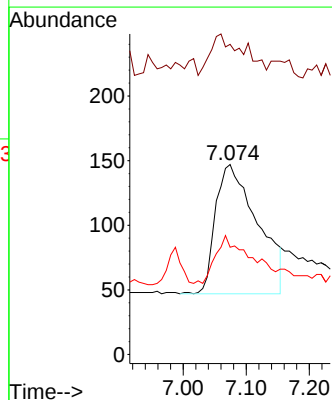
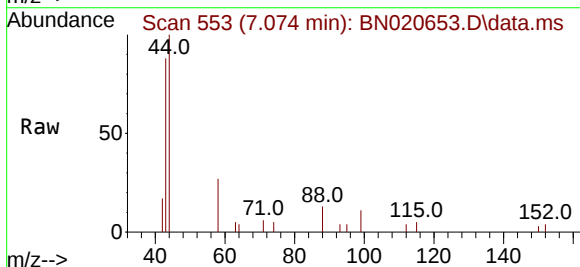
Instrument :
BNA_N
ClientSampleId :
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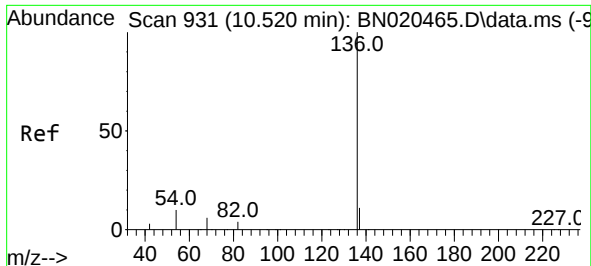
Tgt Ion: 112 Resp: 967
Ion Ratio Lower Upper
112 100
64 64.7 49.1 73.7
63 36.5 26.3 39.5



#5
Phenol-d6
Concen: 0.035 ng
RT: 7.074 min Scan# 553
Delta R.T. 0.043 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Tgt Ion: 99 Resp: 463
Ion Ratio Lower Upper
99 100
42 24.8 19.3 28.9
71 31.1 27.5 41.3

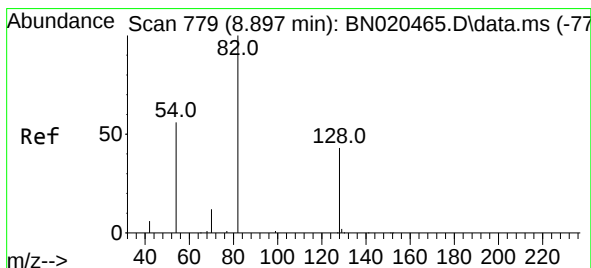
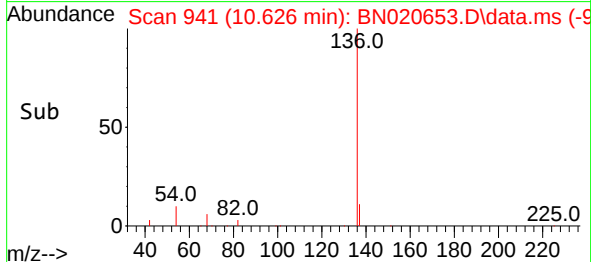
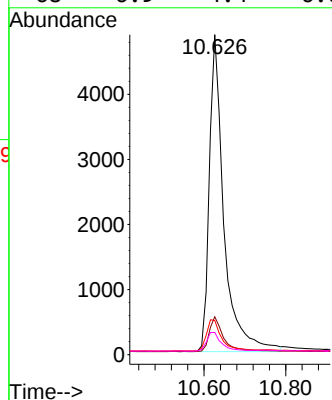
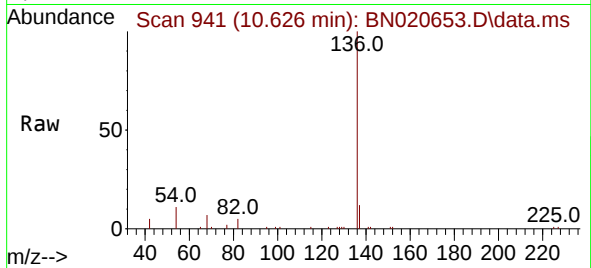




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

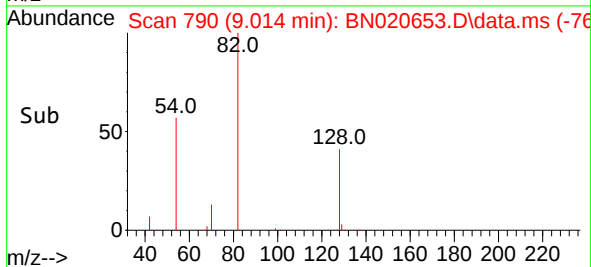
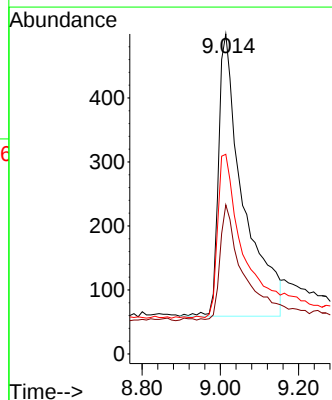
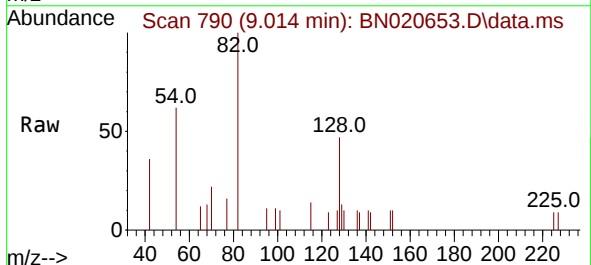
Instrument :
BNA_N
ClientSampleId :
RW8-20220628

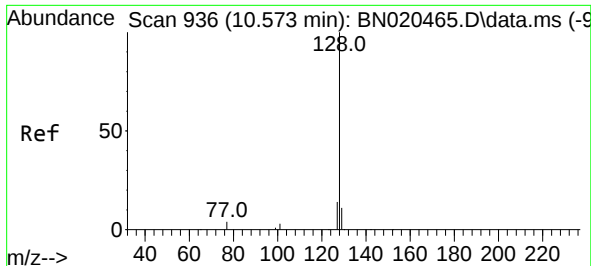
Tgt Ion:	136	Resp:	12081
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.0	13.6
54	10.7	6.2	9.2#
68	6.9	4.4	6.6#



#8
Nitrobenzene-d5
Concen: 0.195 ng
RT: 9.014 min Scan# 790
Delta R.T. 0.021 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Tgt Ion:	82	Resp:	1914
Ion Ratio	Lower	Upper	
82	100		
128	46.6	35.0	52.6
54	62.4	46.2	69.4

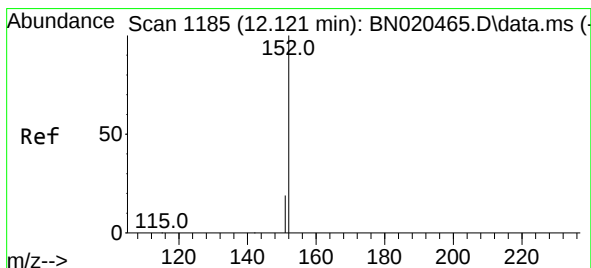
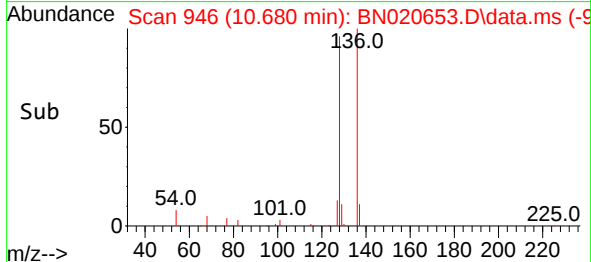
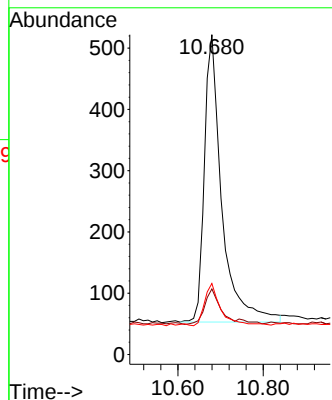
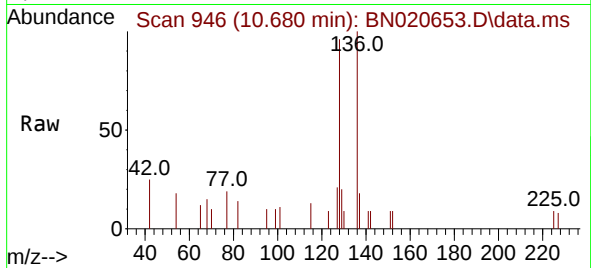




#9
Naphthalene
Concen: 0.037 ng
RT: 10.680 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

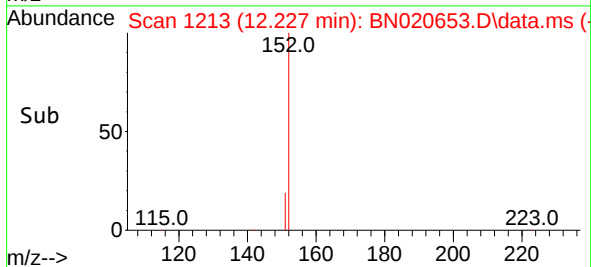
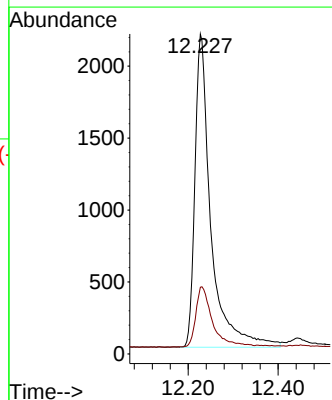
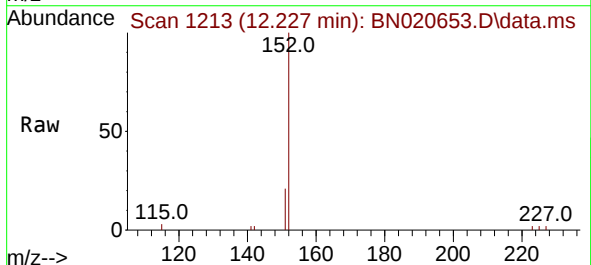
Instrument :
BNA_N
ClientSampleId :
RW8-20220628

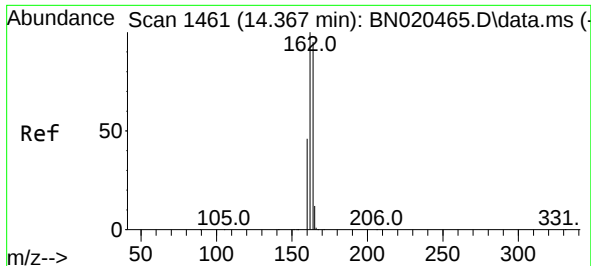
Tgt Ion:128 Resp: 1331
Ion Ratio Lower Upper
128 100
129 20.5 8.9 13.3#
127 22.2 10.8 16.2#



#11
2-Methylnaphthalene-d10
Concen: 0.258 ng
RT: 12.227 min Scan# 1213
Delta R.T. 0.000 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Tgt Ion:152 Resp: 5349
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4

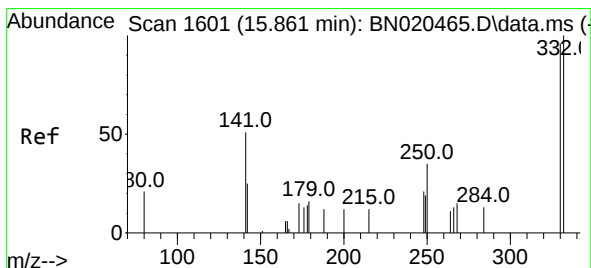
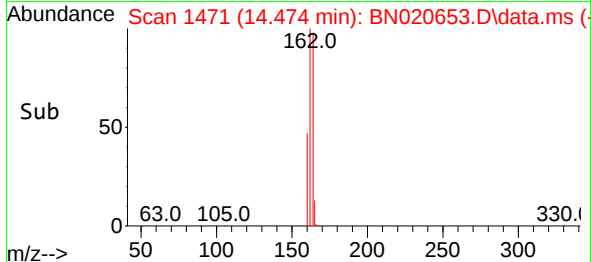
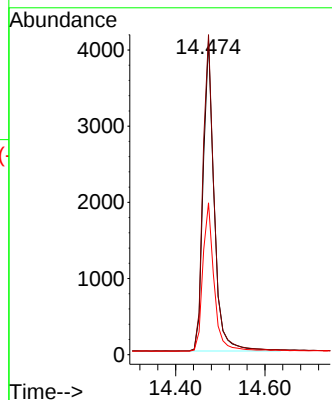
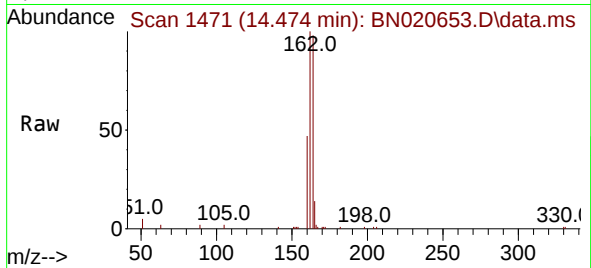




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.474 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BN020653.D
 Acq: 03 Jul 2022 07:31

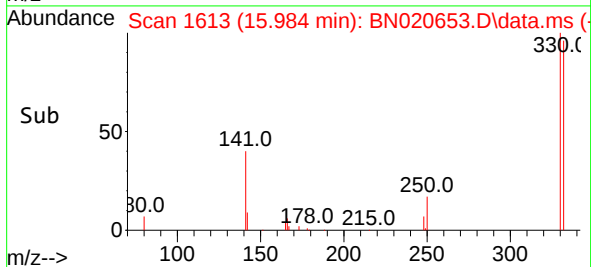
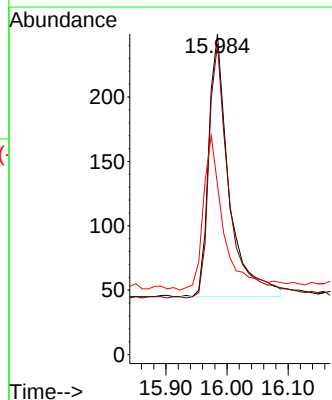
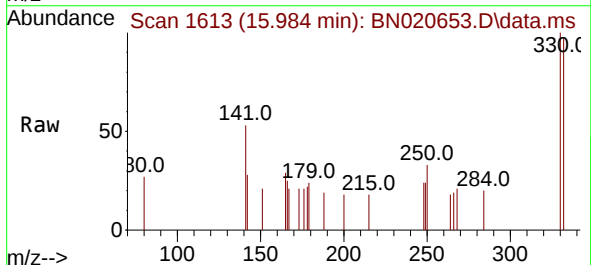
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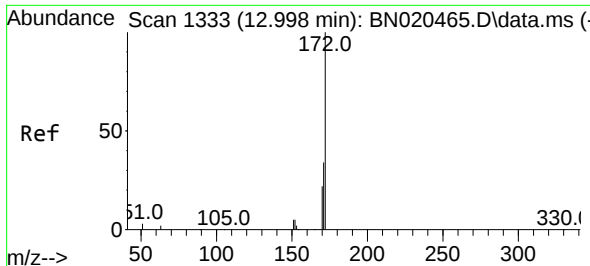
Tgt Ion:164 Resp: 6975
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.1 123.1
 160 48.2 38.6 58.0



#14
 2,4,6-Tribromophenol
 Concen: 0.180 ng
 RT: 15.984 min Scan# 1613
 Delta R.T. 0.010 min
 Lab File: BN020653.D
 Acq: 03 Jul 2022 07:31

Tgt Ion:330 Resp: 472
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.6 116.4
 141 59.7 41.0 61.4

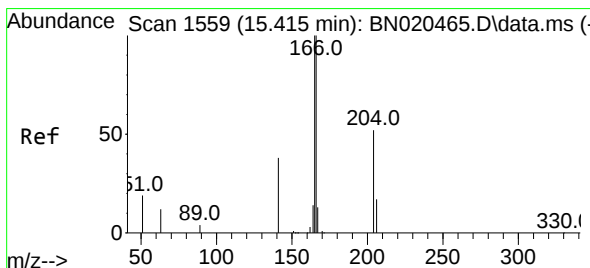
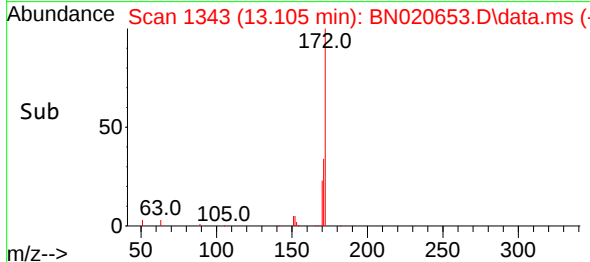
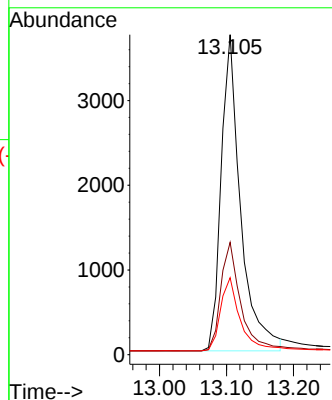
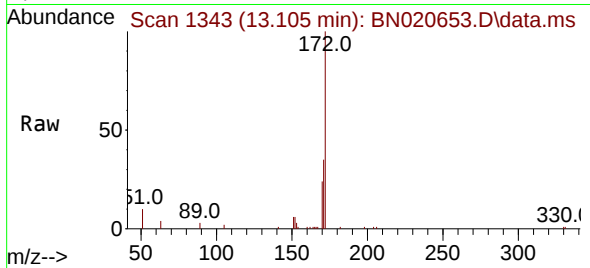




#15
2-Fluorobiphenyl
Concen: 0.262 ng
RT: 13.105 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

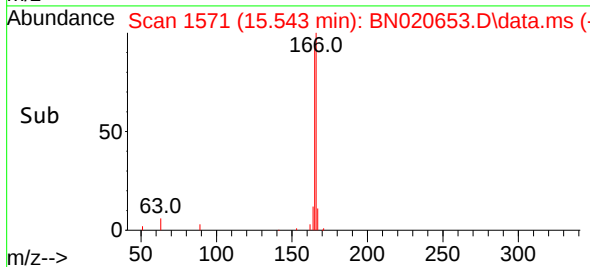
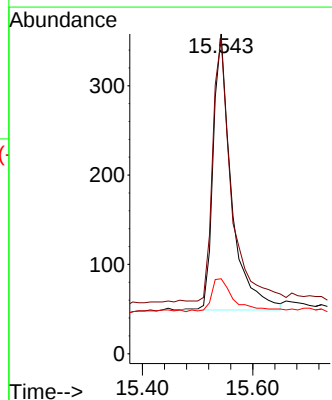
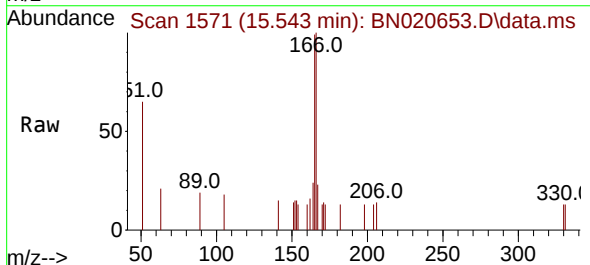
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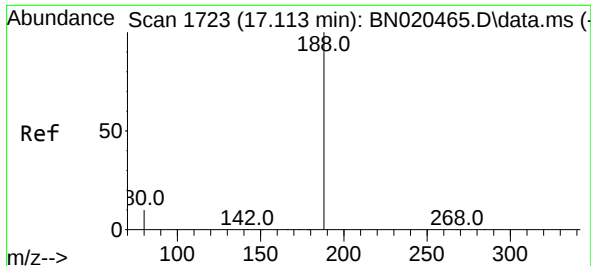
Tgt Ion:	172	Resp:	7540
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.2	40.8
170	24.0	18.2	27.4



#18
Fluorene
Concen: 0.024 ng
RT: 15.543 min Scan# 1571
Delta R.T. 0.011 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Tgt Ion:	166	Resp:	711
Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.6	118.0
167	15.3	10.8	16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN020653.D

Acq: 03 Jul 2022 07:31

Instrument :

BNA_N

ClientSampleId :

RW8-20220628

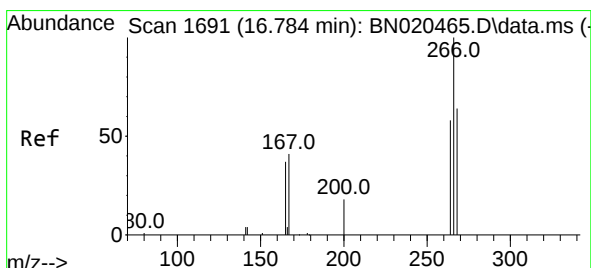
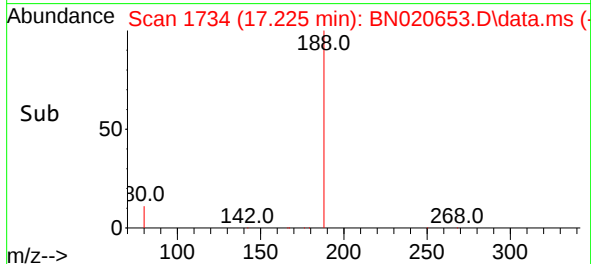
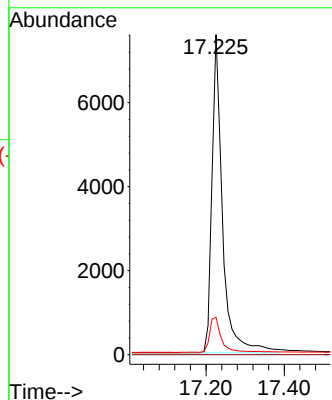
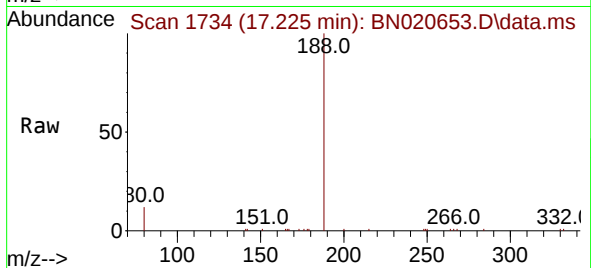
Tgt Ion:188 Resp: 14218

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 7.4 11.2#



#24

Pentachlorophenol

Concen: 0.185 ng

RT: 16.877 min Scan# 1700

Delta R.T. -0.021 min

Lab File: BN020653.D

Acq: 03 Jul 2022 07:31

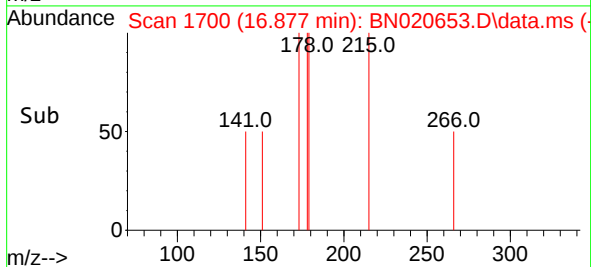
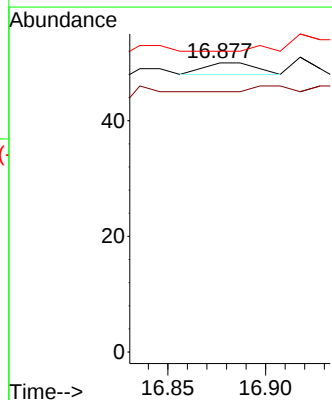
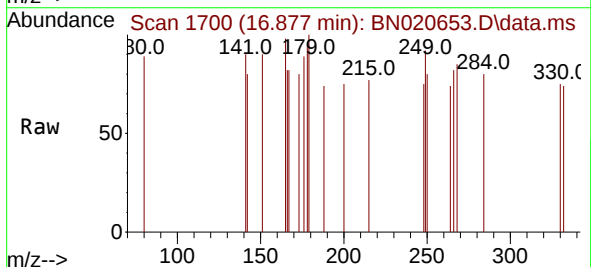
Tgt Ion:266 Resp: 4

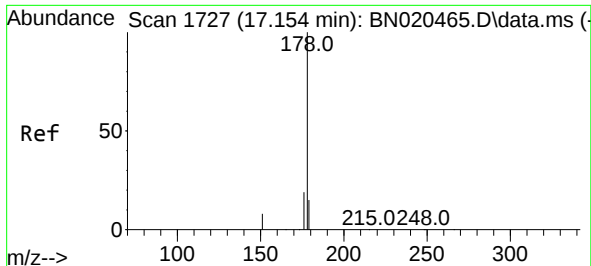
Ion Ratio Lower Upper

266 100

264 0.0 51.3 76.9#

268 0.0 52.6 79.0#

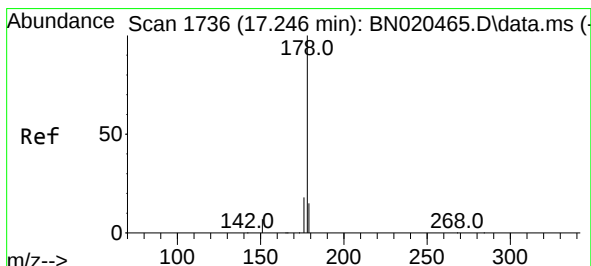
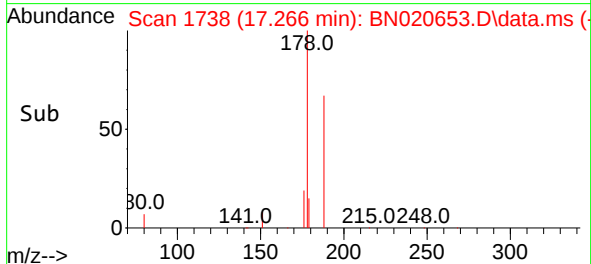
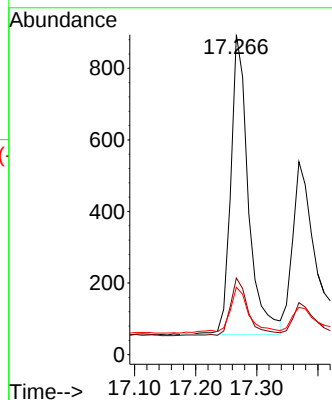
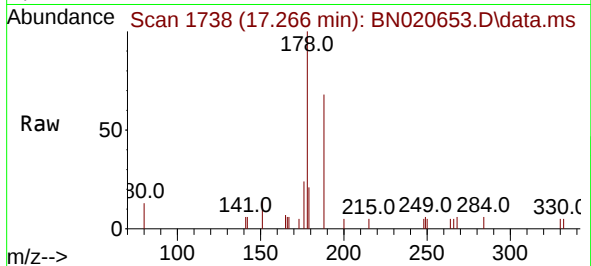




#25
Phenanthrene
Concen: 0.035 ng
RT: 17.266 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

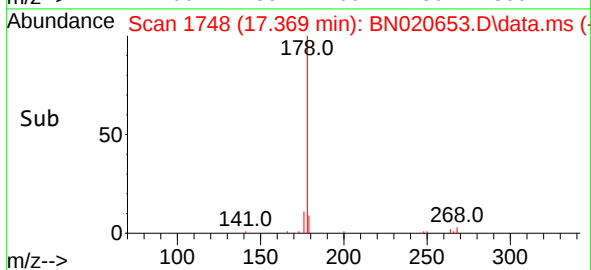
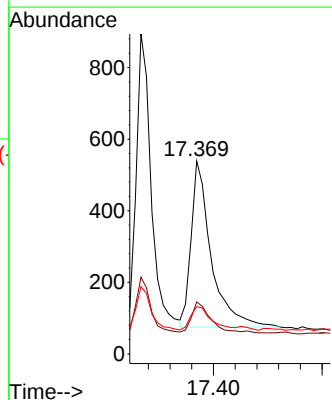
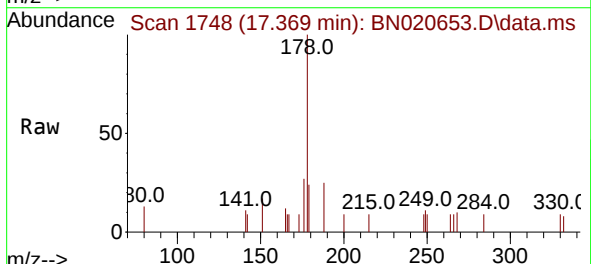
Instrument :
BNA_N
ClientSampleId :
RW8-20220628

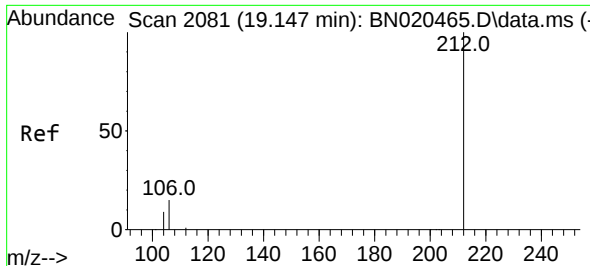
Tgt Ion:178 Resp: 1682
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 17.1 12.2 18.4



#26
Anthracene
Concen: 0.029 ng
RT: 17.369 min Scan# 1748
Delta R.T. 0.010 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Tgt Ion:178 Resp: 1194
Ion Ratio Lower Upper
178 100
176 17.3 14.9 22.3
179 14.2 12.2 18.4

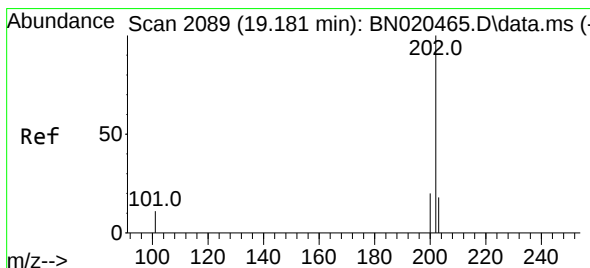
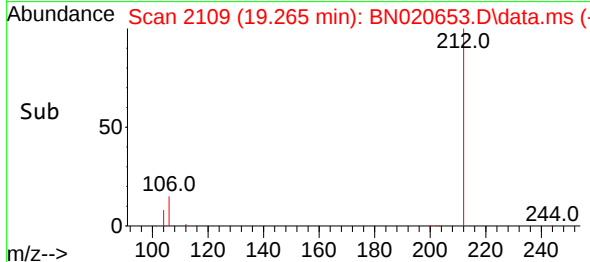
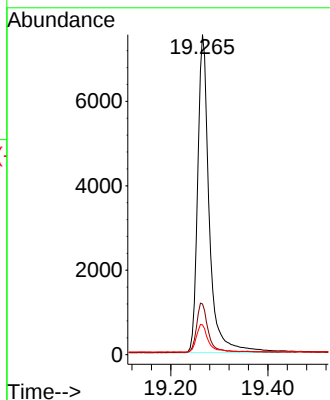
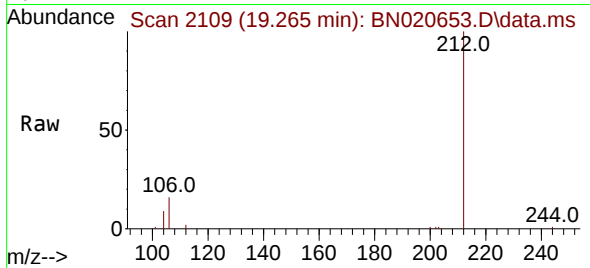




#27
Fluoranthene-d10
Concen: 0.295 ng
RT: 19.265 min Scan# 2116
Delta R.T. -0.004 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

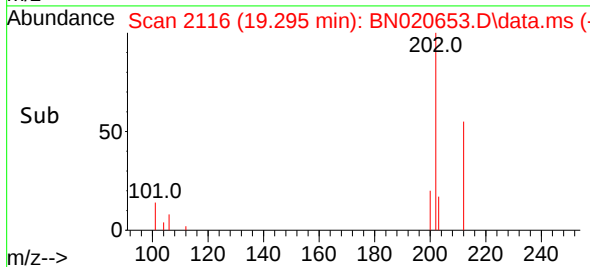
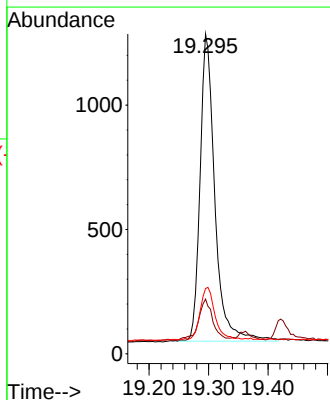
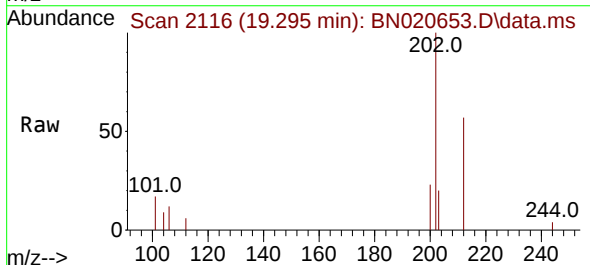
Instrument :
BNA_N
ClientSampleId :
RW8-20220628

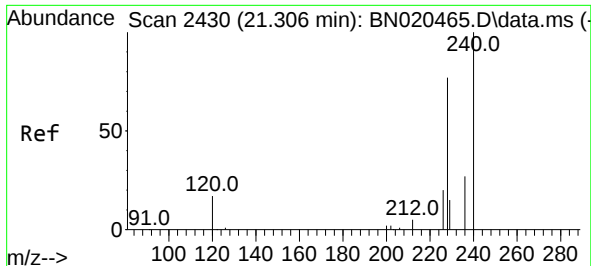
Tgt Ion:212 Resp: 12462
Ion Ratio Lower Upper
212 100
106 15.4 12.6 19.0
104 8.8 7.2 10.8



#28
Fluoranthene
Concen: 0.041 ng
RT: 19.295 min Scan# 2116
Delta R.T. -0.004 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Tgt Ion:202 Resp: 2136
Ion Ratio Lower Upper
202 100
101 13.2 9.6 14.4
203 18.2 13.5 20.3

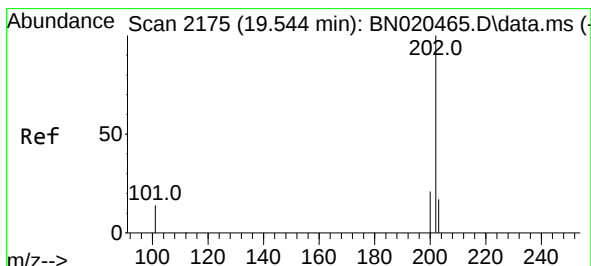
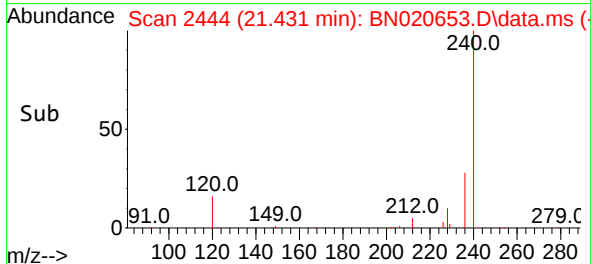
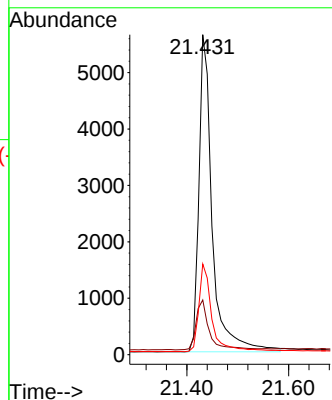
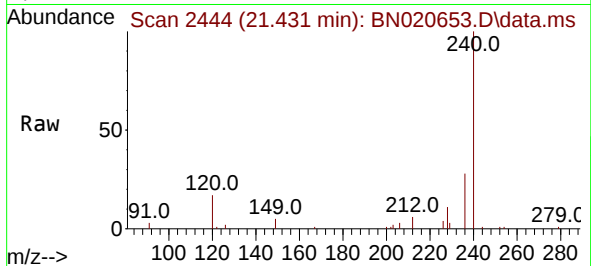




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.431 min Scan# 2444
Delta R.T. -0.000 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

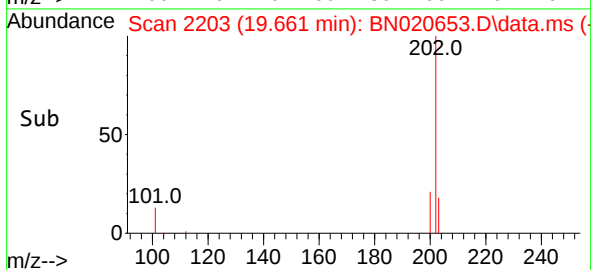
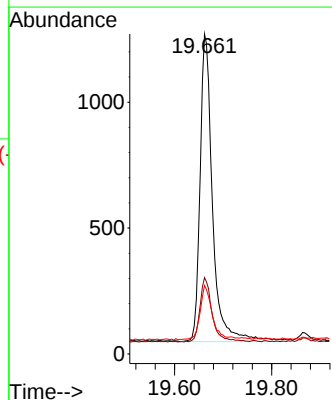
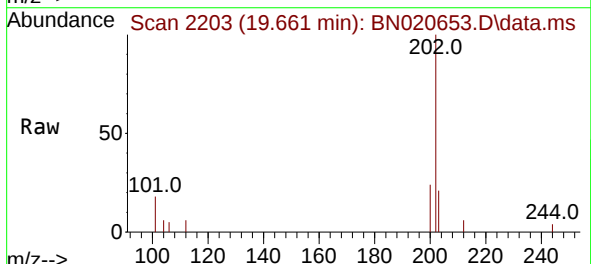
Instrument :
BNA_N
ClientSampleId :
RW8-20220628

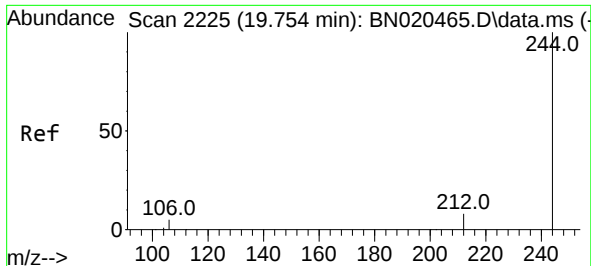
Tgt Ion:240 Resp: 10222
Ion Ratio Lower Upper
240 100
120 17.1 14.6 21.8
236 28.4 22.6 33.8



#30
Pyrene
Concen: 0.050 ng
RT: 19.661 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Tgt Ion:202 Resp: 2182
Ion Ratio Lower Upper
202 100
200 20.0 16.6 25.0
203 16.8 14.2 21.2

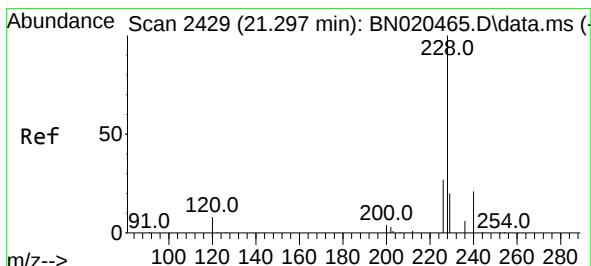
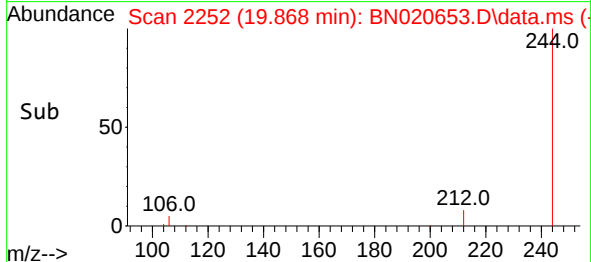
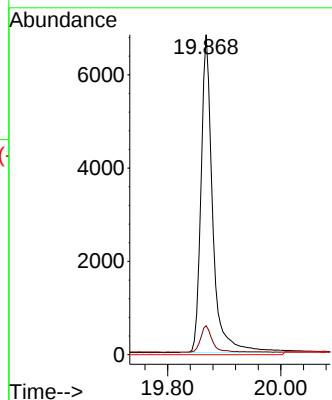
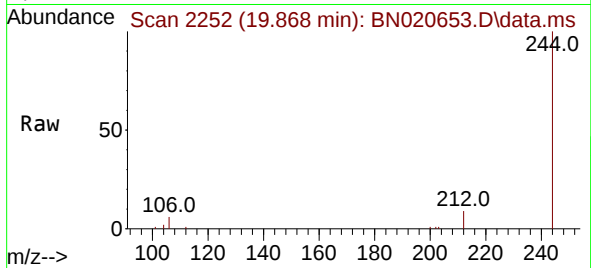




#31
 Terphenyl-d14
 Concen: 0.399 ng
 RT: 19.868 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN020653.D
 Acq: 03 Jul 2022 07:31

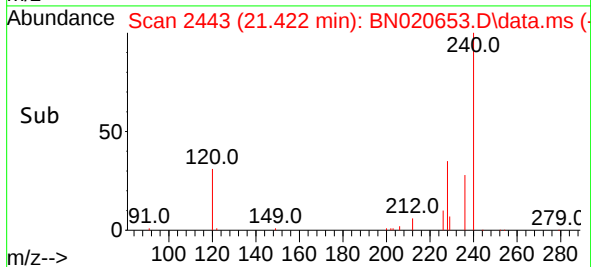
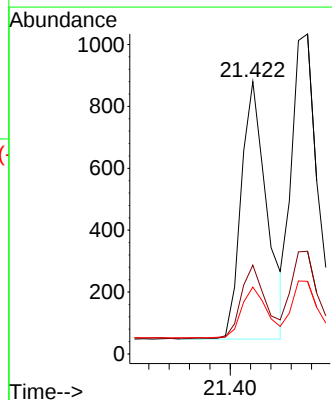
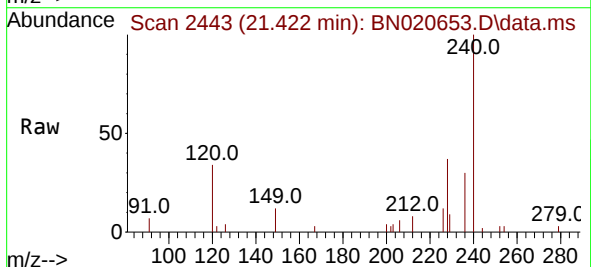
Instrument :
 BNA_N
 ClientSampleId :
 RW8-20220628

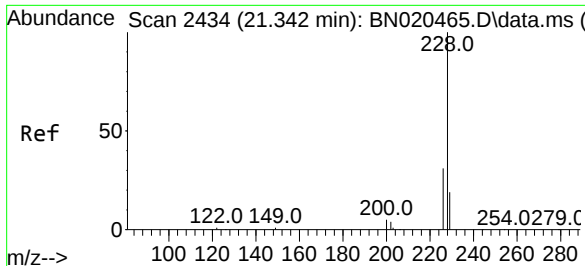
Tgt Ion:244 Resp: 9759
 Ion Ratio Lower Upper
 244 100
 212 9.1 7.1 10.7
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 0.040 ng
 RT: 21.422 min Scan# 2443
 Delta R.T. 0.000 min
 Lab File: BN020653.D
 Acq: 03 Jul 2022 07:31

Tgt Ion:228 Resp: 1455
 Ion Ratio Lower Upper
 228 100
 226 32.6 21.2 31.8#
 229 24.5 15.6 23.4#





#33

Chrysene

Concen: 0.045 ng

RT: 21.476 min Scan# 2449

Delta R.T. 0.009 min

Lab File: BN020653.D

Acq: 03 Jul 2022 07:31

Instrument :

BNA_N

ClientSampleId :

RW8-20220628

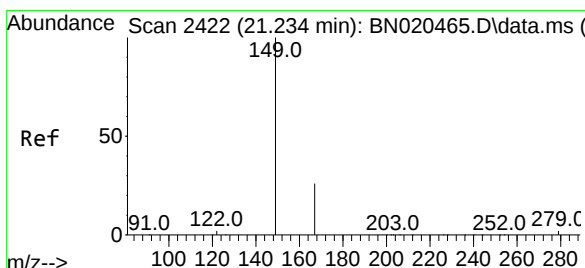
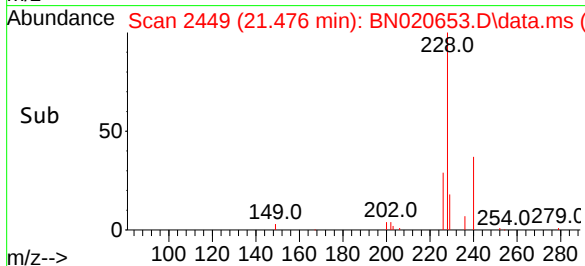
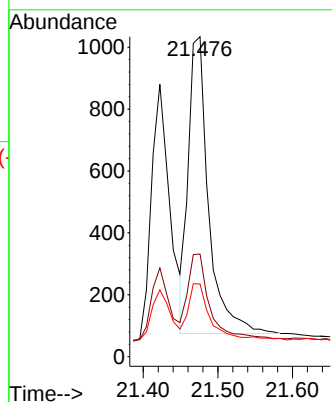
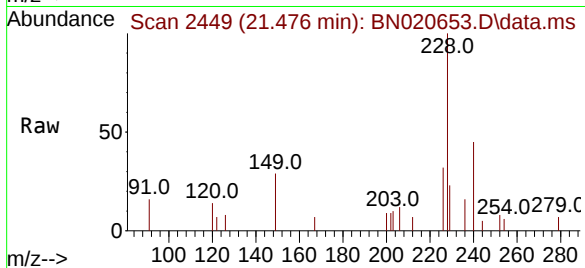
Tgt Ion:228 Resp: 1814

Ion Ratio Lower Upper

228 100

226 32.1 23.4 35.0

229 22.7 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.055 ng

RT: 21.351 min Scan# 2435

Delta R.T. 0.000 min

Lab File: BN020653.D

Acq: 03 Jul 2022 07:31

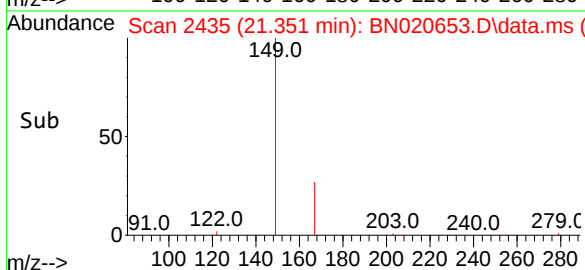
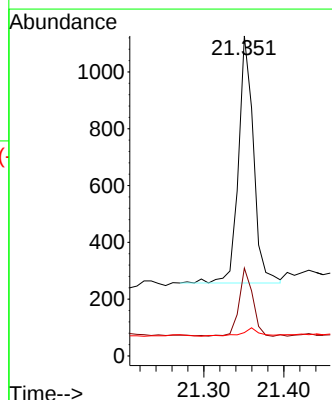
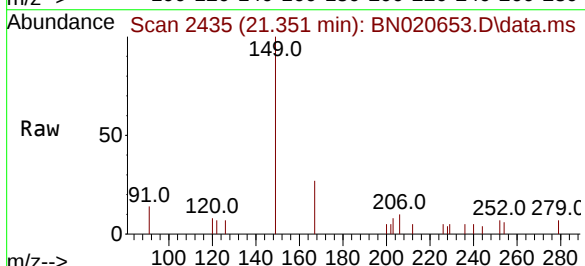
Tgt Ion:149 Resp: 1133

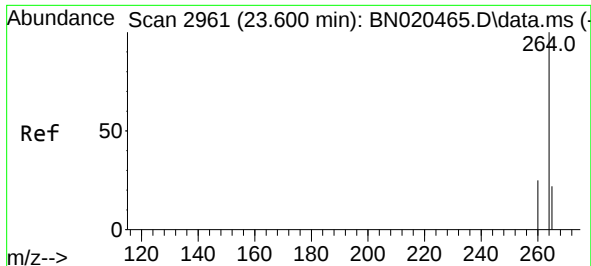
Ion Ratio Lower Upper

149 100

167 25.2 21.7 32.5

279 4.0 2.2 3.2#

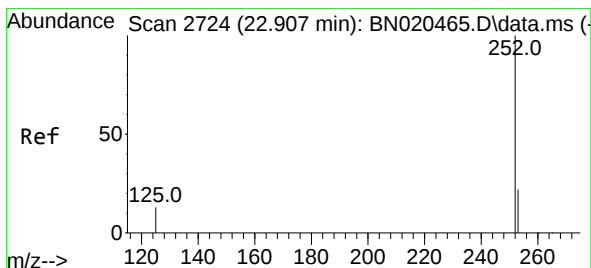
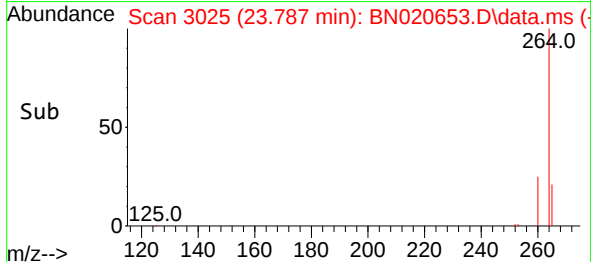
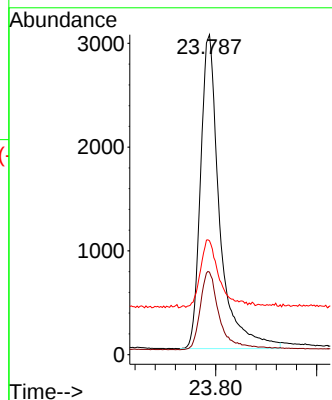
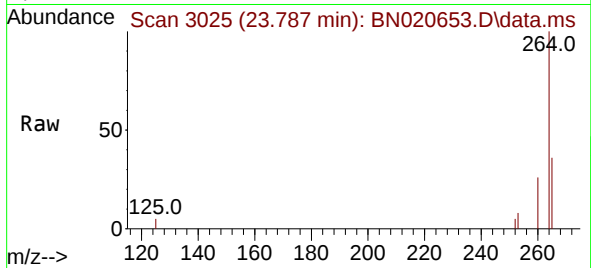




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.787 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BN020653.D
 Acq: 03 Jul 2022 07:31

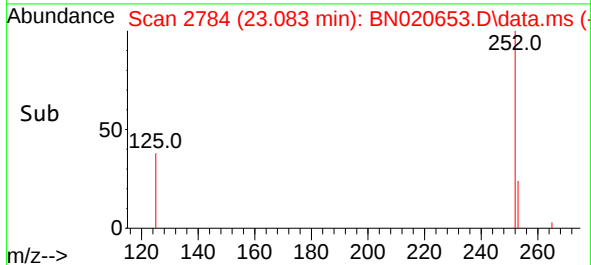
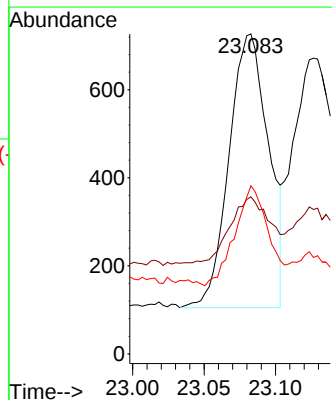
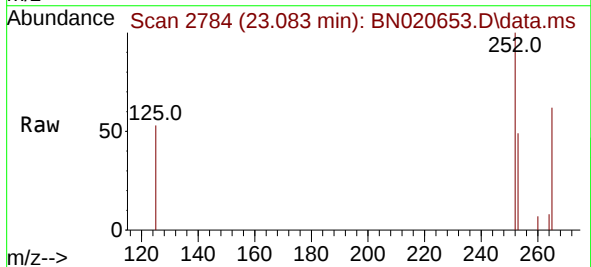
Instrument :
 BNA_N
 ClientSampleId :
 RW8-20220628

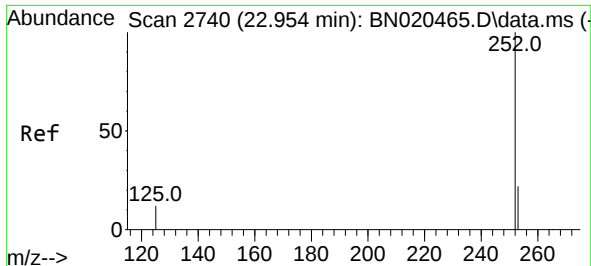
Tgt Ion:264	Resp:	7964
Ion Ratio	Lower	Upper
264	100	
260	25.8	20.9 31.3
265	35.6	28.0 42.0



#37
 Benzo(b)fluoranthene
 Concen: 0.039 ng
 RT: 23.083 min Scan# 2784
 Delta R.T. 0.009 min
 Lab File: BN020653.D
 Acq: 03 Jul 2022 07:31

Tgt Ion:252	Resp:	1199
Ion Ratio	Lower	Upper
252	100	
253	49.1	18.5 27.7#
125	52.5	11.4 17.0#

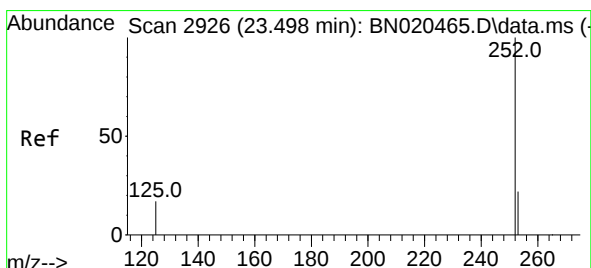
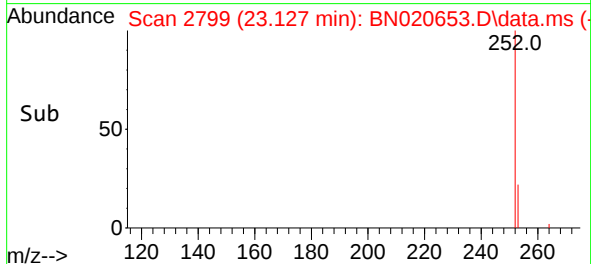
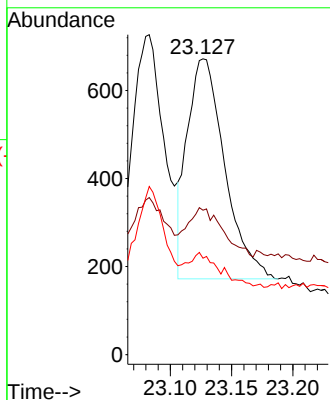
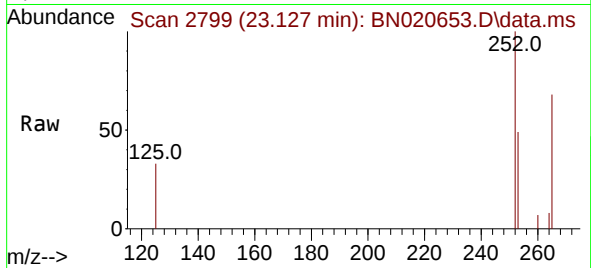




#38
Benzo(k)fluoranthene
Concen: 0.033 ng
RT: 23.127 min Scan# 2111
Delta R.T. 0.006 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Instrument :
BNA_N
ClientSampleId :
RW8-20220628

Tgt Ion:252 Resp: 1066
Ion Ratio Lower Upper
252 100
253 48.8 18.0 27.0#
125 32.6 11.0 16.4#



#39
Benzo(a)pyrene
Concen: 0.032 ng
RT: 23.688 min Scan# 2991
Delta R.T. 0.003 min
Lab File: BN020653.D
Acq: 03 Jul 2022 07:31

Tgt Ion:252 Resp: 842
Ion Ratio Lower Upper
252 100
253 72.1 19.0 28.4#
125 79.4 13.8 20.8#

