

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082422\
 Data File : BN021352.D
 Acq On : 25 Aug 2022 00:54
 Operator : CG/JU
 Sample : N4245-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20220816

Quant Time: Aug 25 07:15:45 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 06:55:06 2022
 Response via : Initial Calibration

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

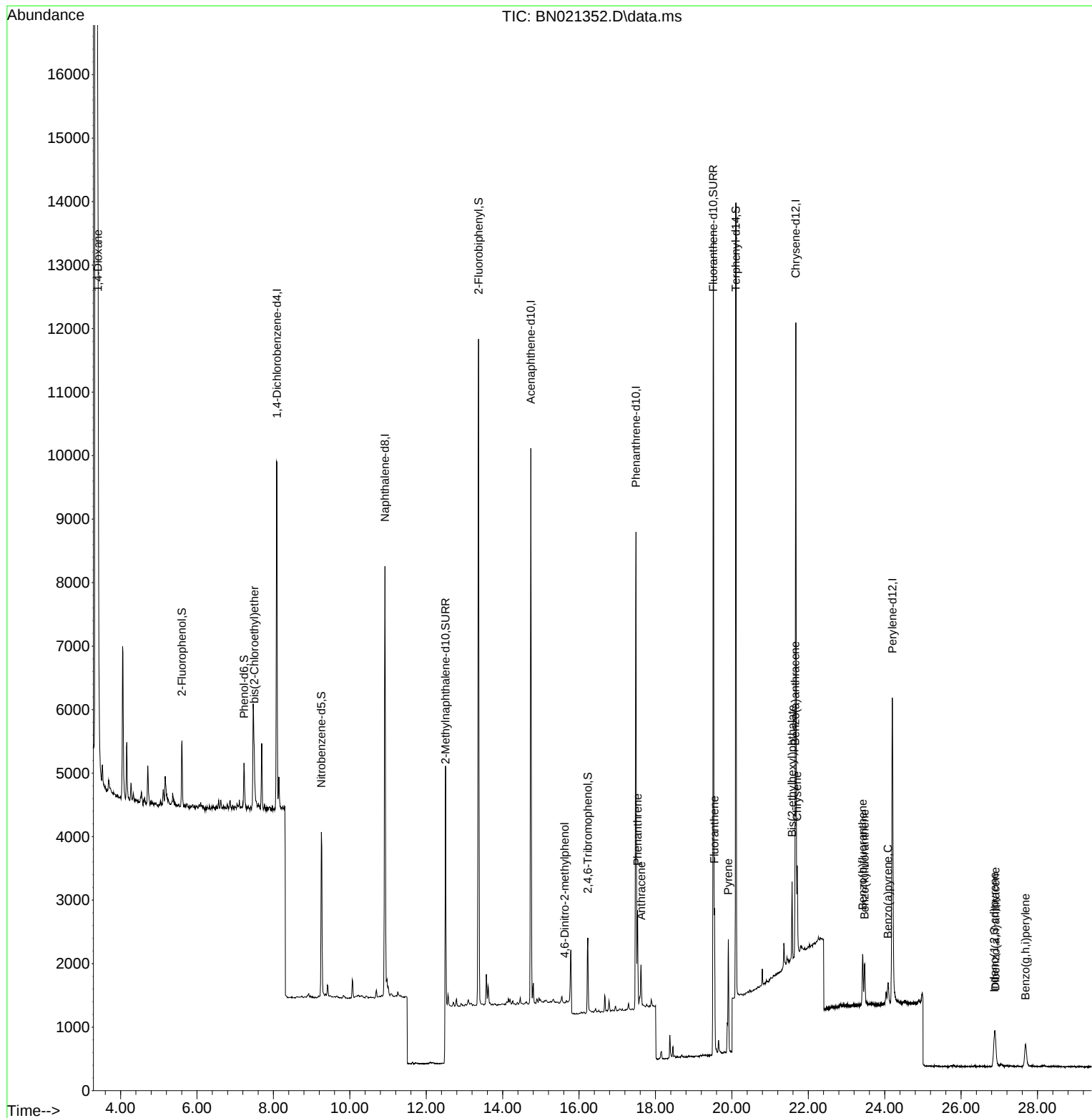
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.090	152	2893	0.400	ng	0.00
7) Naphthalene-d8	10.920	136	8927	0.400	ng	0.00
13) Acenaphthene-d10	14.739	164	4839	0.400	ng	0.00
19) Phenanthrene-d10	17.490	188	10470	0.400	ng	0.00
29) Chrysene-d12	21.673	240	8964	0.400	ng	# 0.00
35) Perylene-d12	24.200	264	7670	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.606	112	927	0.118	ng	0.00
5) Phenol-d6	7.231	99	679	0.069	ng	0.00
8) Nitrobenzene-d5	9.254	82	2336	0.346	ng	0.00
11) 2-Methylnaphthalene-d10	12.501	152	5964	0.396	ng	0.00
14) 2,4,6-Tribromophenol	16.229	330	707	0.319	ng	0.00
15) 2-Fluorobiphenyl	13.371	172	9113	0.421	ng	0.00
27) Fluoranthene-d10	19.514	212	13786	0.441	ng	0.00
31) Terphenyl-d14	20.106	244	10640	0.562	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.410	88	3277	0.817	ng	# 89
6) bis(2-Chloroethyl)ether	7.498	93	360	0.037	ng	94
20) 4,6-Dinitro-2-methylph...	15.626	198	5	0.364	ng	96
25) Phenanthrene	17.531	178	1562	0.041	ng	99
26) Anthracene	17.624	178	766	0.024	ng	99
28) Fluoranthene	19.543	202	1872	0.044	ng	96
30) Pyrene	19.906	202	1564	0.035	ng	# 91
32) Benzo(a)anthracene	21.655	228	982	0.029	ng	# 89
33) Chrysene	21.709	228	1121	0.030	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.574	149	1236	0.076	ng	98
36) Indeno(1,2,3-cd)pyrene	26.866	276	877	0.022	ng	# 78
37) Benzo(b)fluoranthene	23.422	252	1100	0.033	ng	# 46
38) Benzo(k)fluoranthene	23.475	252	898	0.026	ng	# 32
39) Benzo(a)pyrene	24.086	252	553	0.020	ng	# 1
40) Dibenzo(a,h)anthracene	26.895	278	681	0.021	ng	# 51
41) Benzo(g,h,i)perylene	27.688	276	826	0.024	ng	# 68

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

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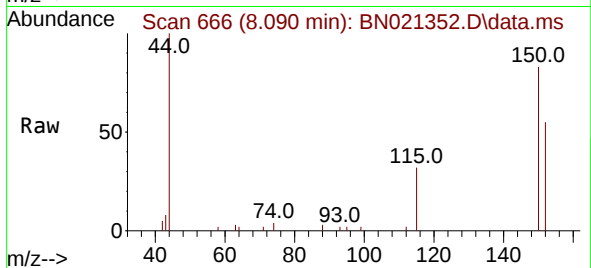
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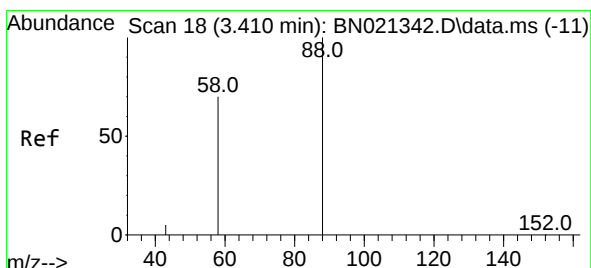
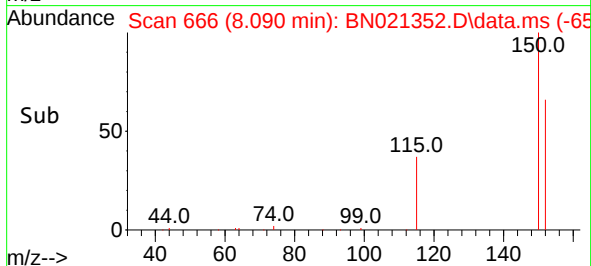
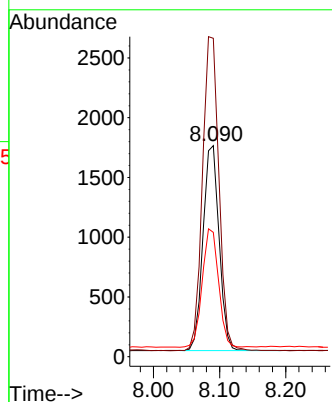


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.090 min Scan# 666
 Delta R.T. 0.000 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20220816

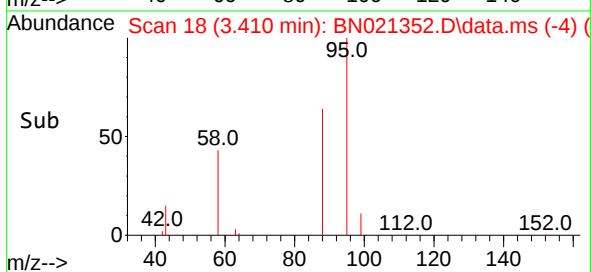
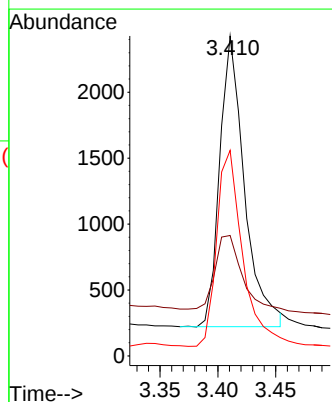
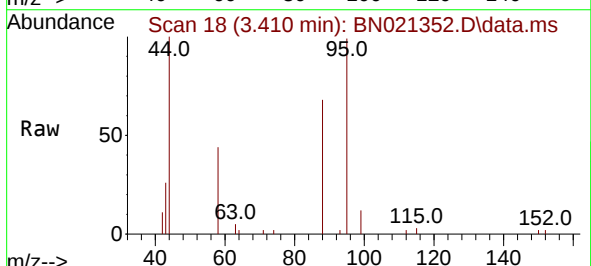


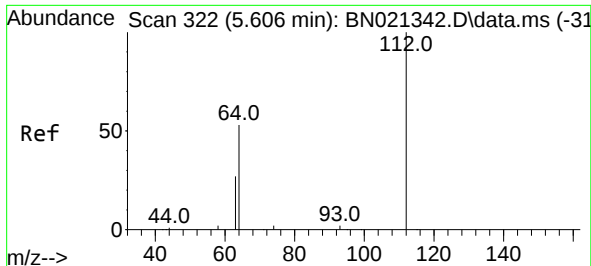
Tgt Ion:152 Resp: 2893
 Ion Ratio Lower Upper
 152 100
 150 150.9 121.4 182.0
 115 58.9 48.6 72.8



#2
 1,4-Dioxane
 Concen: 0.817 ng
 RT: 3.410 min Scan# 18
 Delta R.T. 0.000 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

Tgt Ion: 88 Resp: 3277
 Ion Ratio Lower Upper
 88 100
 43 26.7 35.8 53.8#
 58 70.4 57.1 85.7

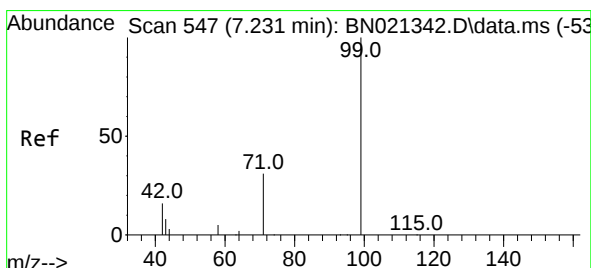
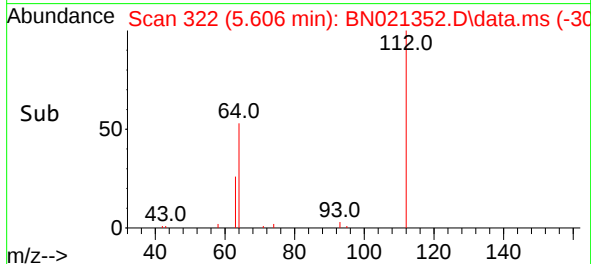
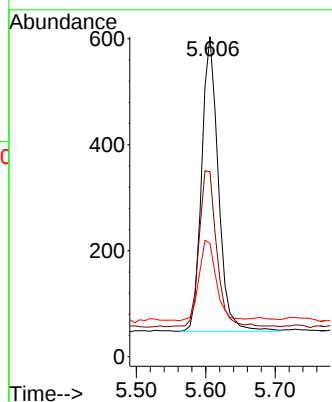
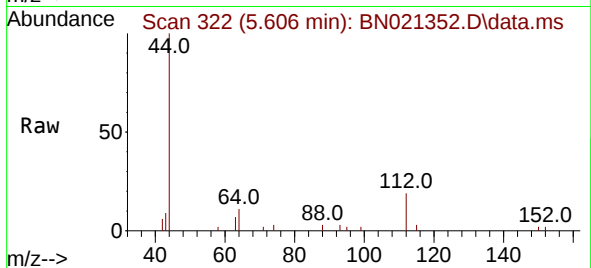




#4
2-Fluorophenol
Concen: 0.118 ng
RT: 5.606 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

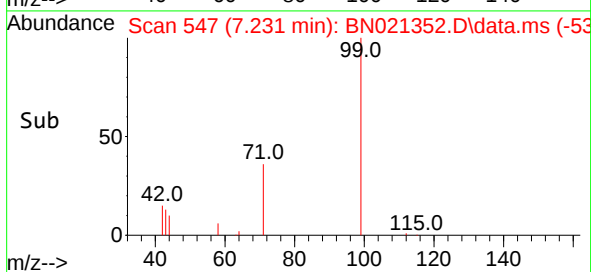
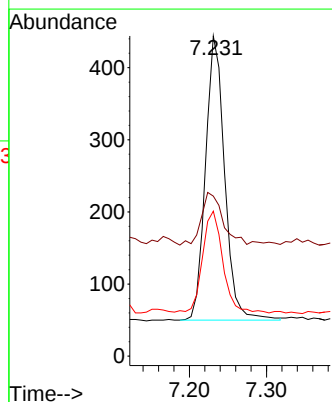
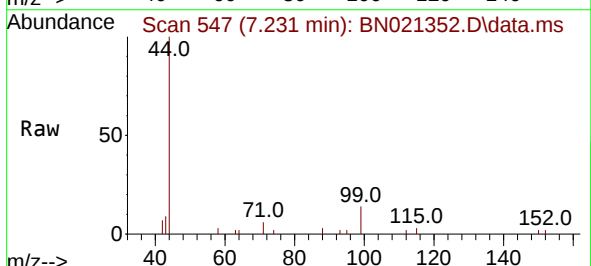
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BNA_N
ClientSampleId :
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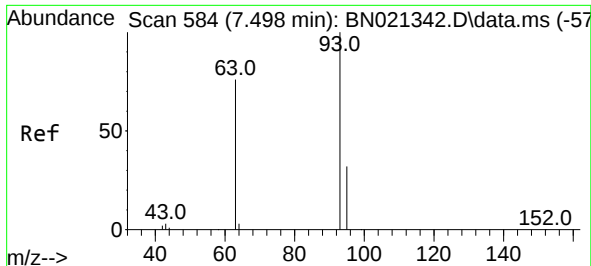
Tgt Ion:112 Resp: 927
Ion Ratio Lower Upper
112 100
64 55.6 43.5 65.3
63 28.0 22.6 34.0



#5
Phenol-d6
Concen: 0.069 ng
RT: 7.231 min Scan# 547
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion: 99 Resp: 679
Ion Ratio Lower Upper
99 100
42 21.1 15.5 23.3
71 38.4 24.2 36.2#

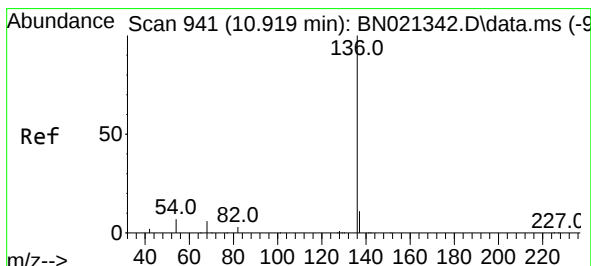
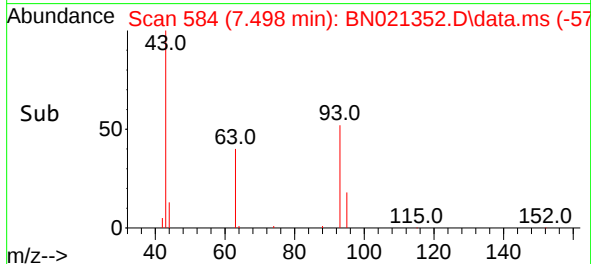
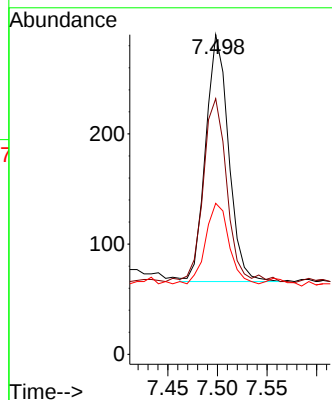
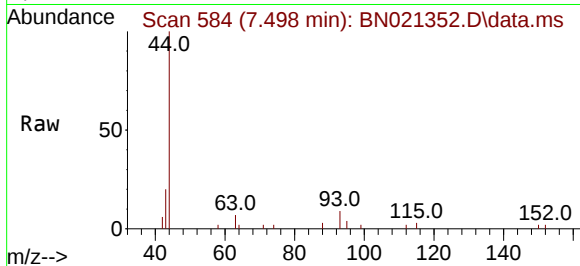




#6
bis(2-Chloroethyl)ether
Concen: 0.037 ng
RT: 7.498 min Scan# 584
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

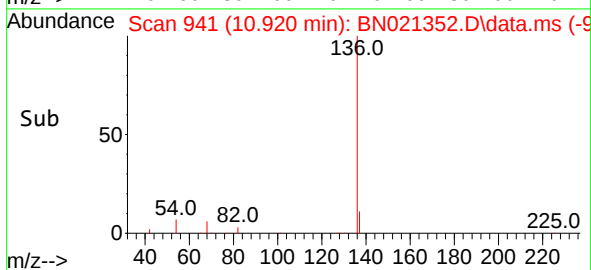
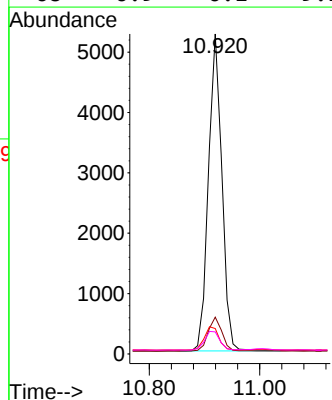
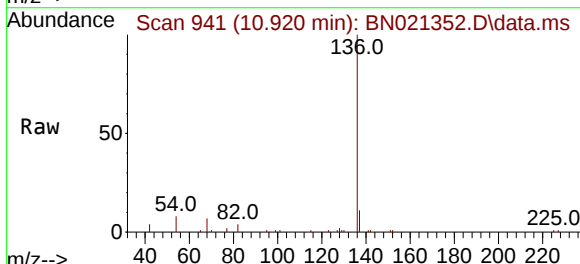
Instrument :
BNA_N
ClientSampleId :
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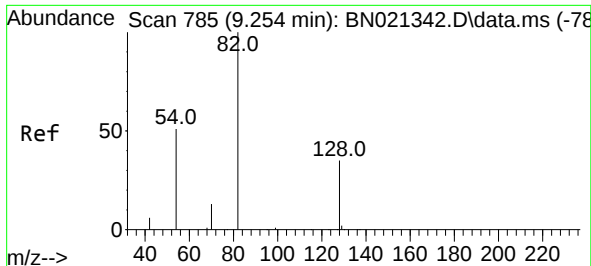
Tgt Ion: 93	Resp:	360	
Ion	Ratio	Lower	Upper
93	100		
63	78.6	57.8	86.8
95	33.9	25.9	38.9



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.920 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt	Ion:136	Resp:	8927
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	8.0	6.9	10.3
68	6.9	6.1	9.1

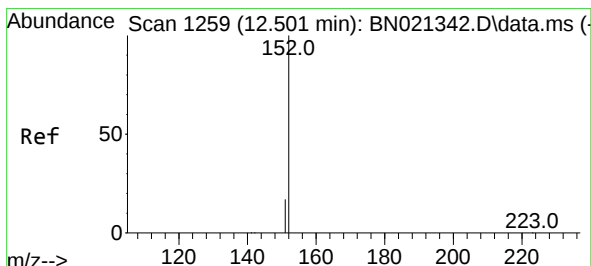
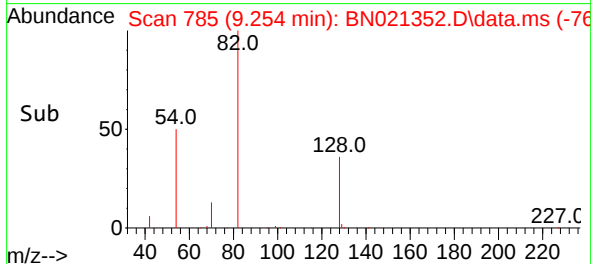
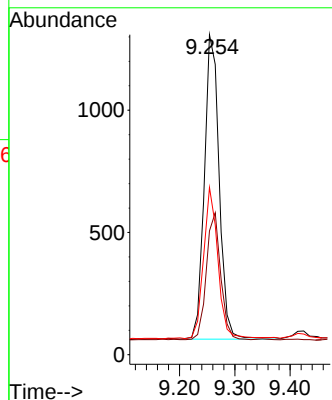
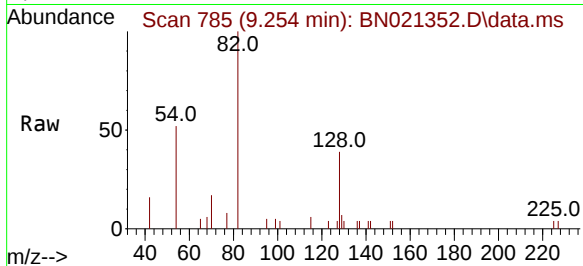




#8
 Nitrobenzene-d5
 Concen: 0.346 ng
 RT: 9.254 min Scan# 785
 Delta R.T. 0.000 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

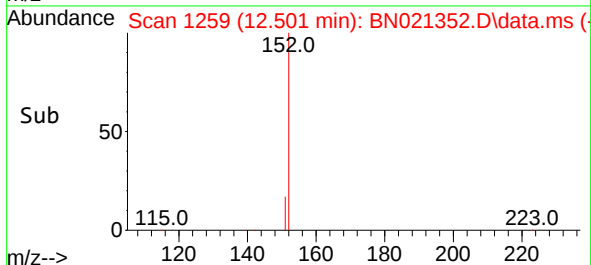
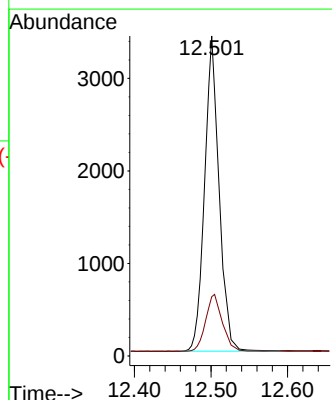
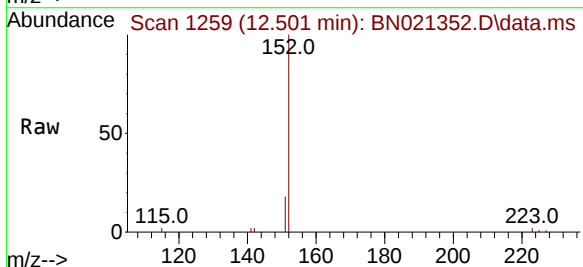
Instrument :
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 ClientSampleId :
 MW179D2-20220816

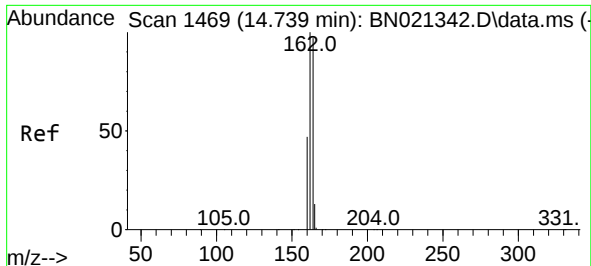
Tgt Ion: 82 Resp: 2336
 Ion Ratio Lower Upper
 82 100
 128 38.7 30.9 46.3
 54 52.3 42.7 64.1



#11
 2-Methylnaphthalene-d10
 Concen: 0.396 ng
 RT: 12.501 min Scan# 1259
 Delta R.T. 0.000 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

Tgt Ion: 152 Resp: 5964
 Ion Ratio Lower Upper
 152 100
 151 17.4 14.5 21.7

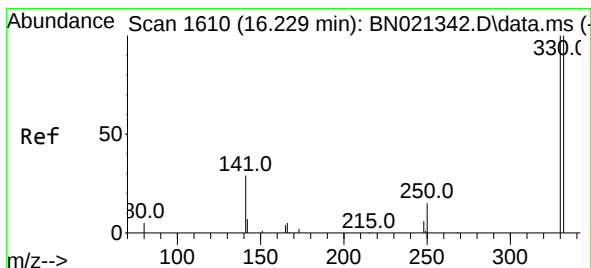
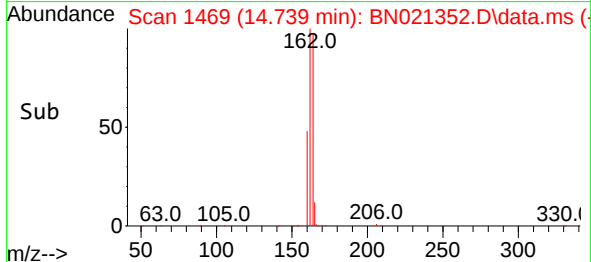
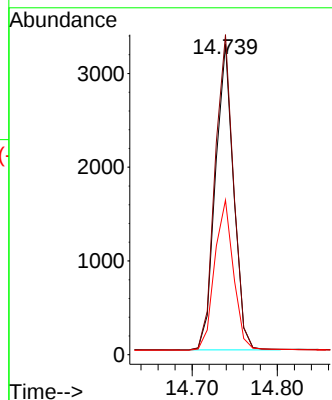
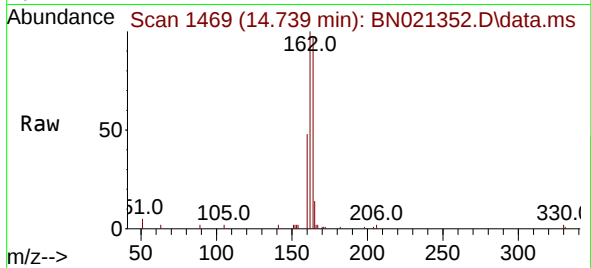




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.739 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

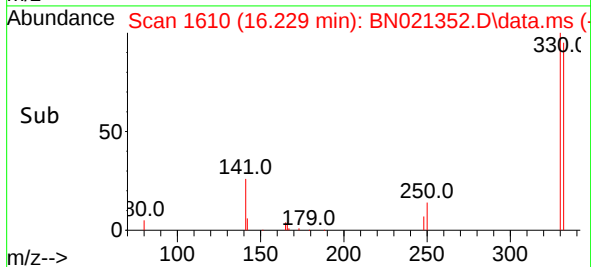
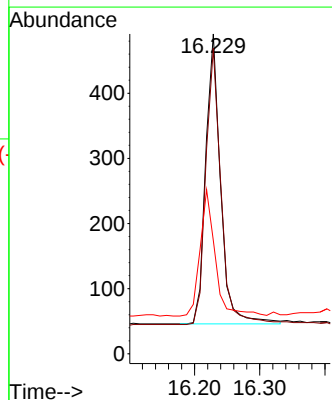
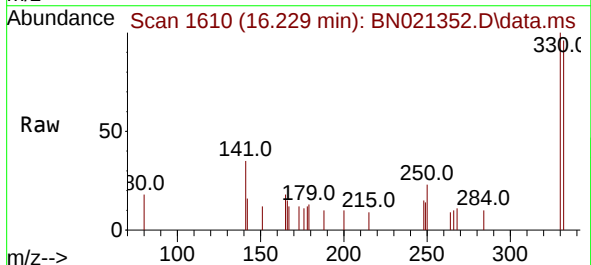
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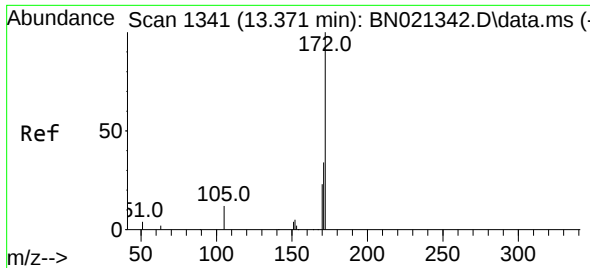
Tgt Ion:164 Resp: 4839
Ion Ratio Lower Upper
164 100
162 103.0 82.2 123.4
160 49.8 39.5 59.3



#14
2,4,6-Tribromophenol
Concen: 0.319 ng
RT: 16.229 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:330 Resp: 707
Ion Ratio Lower Upper
330 100
332 97.2 79.3 118.9
141 44.3 37.1 55.7

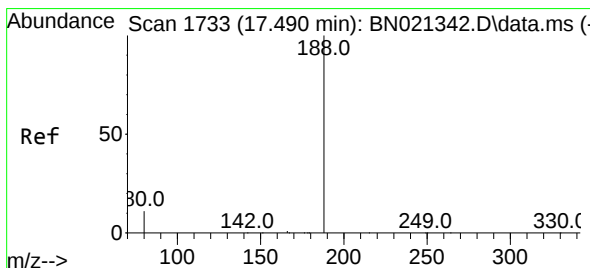
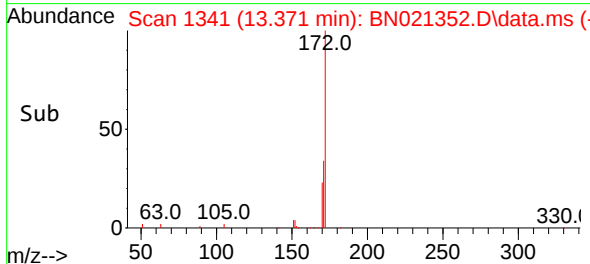
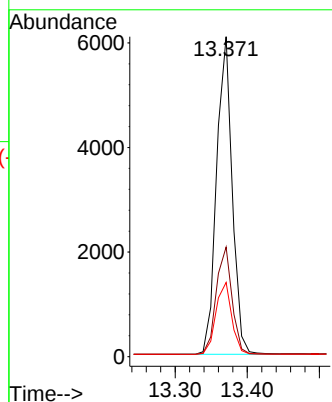
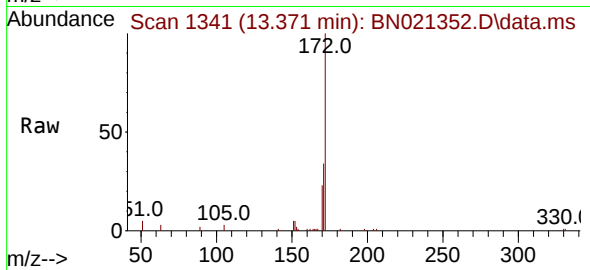




#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 13.371 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

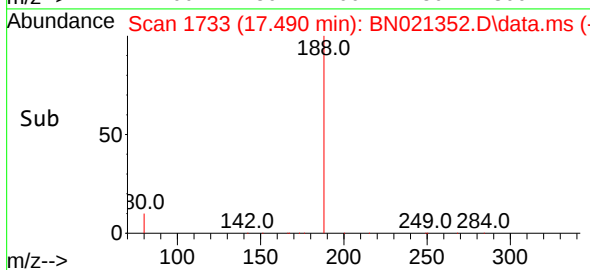
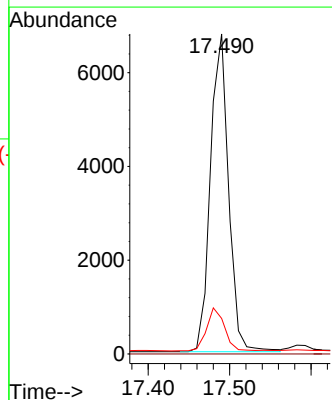
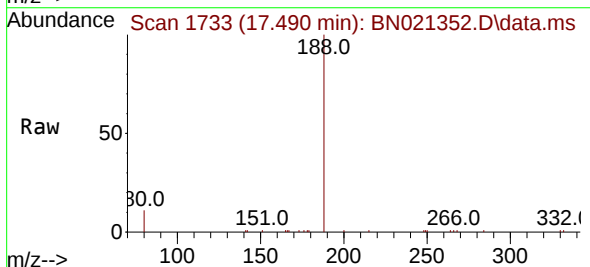
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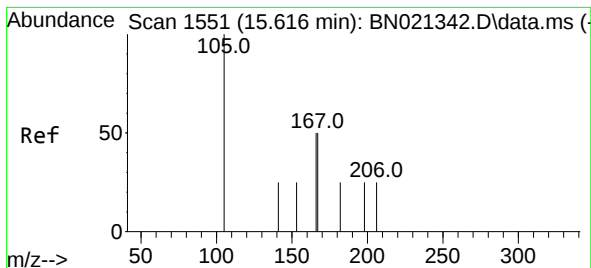
Tgt Ion:	172	Resp:	9113
Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.6
170	23.2	18.6	28.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.490 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:	188	Resp:	10470
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	9.5	14.3

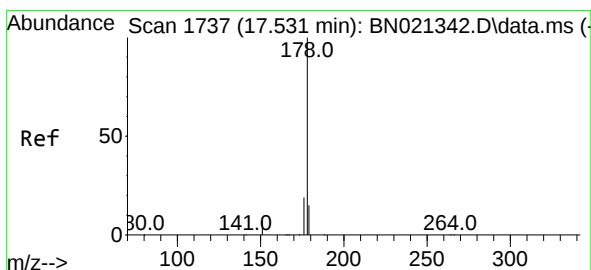
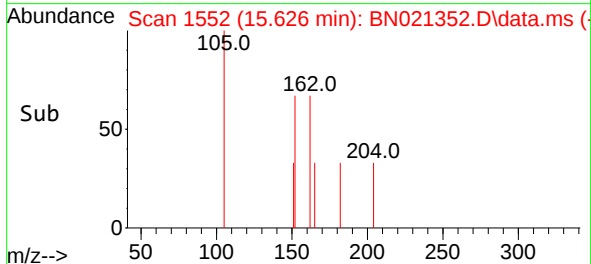
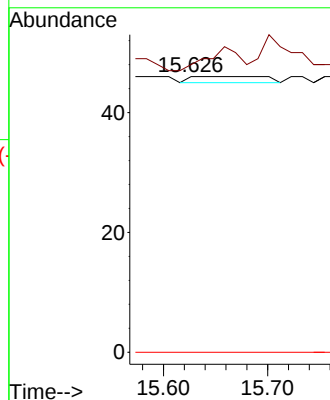
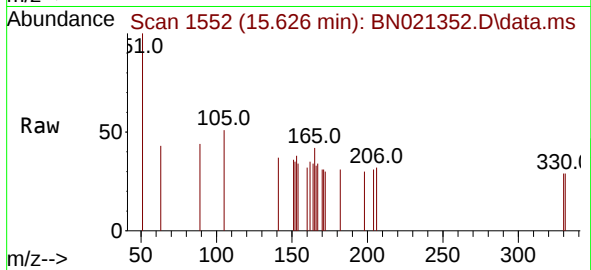




#20
4,6-Dinitro-2-methylphenol
Concen: 0.364 ng
RT: 15.626 min Scan# 11
Delta R.T. 0.010 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

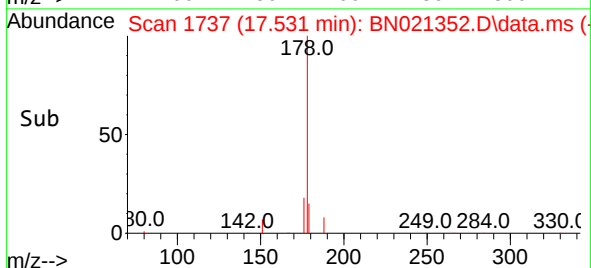
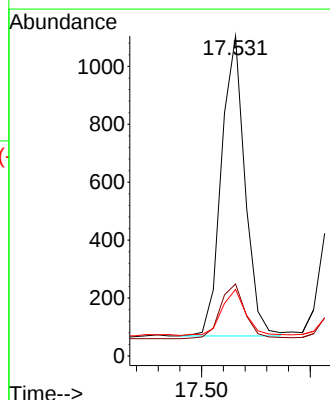
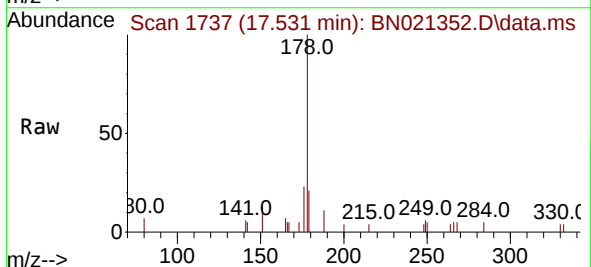
Instrument :
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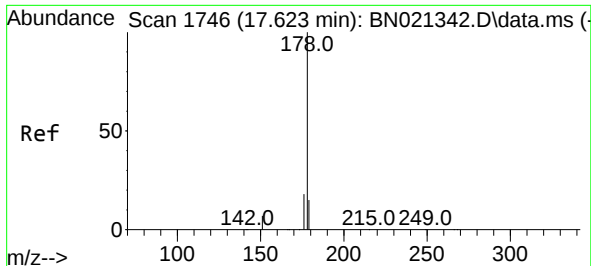
Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
182 104.3 86.6 130.0
77 0.0 0.0 0.0



#25
Phenanthrene
Concen: 0.041 ng
RT: 17.531 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:178 Resp: 1562
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.2 18.4

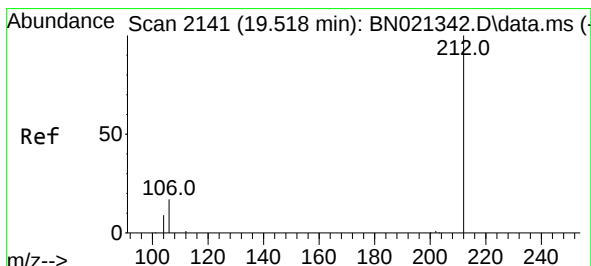
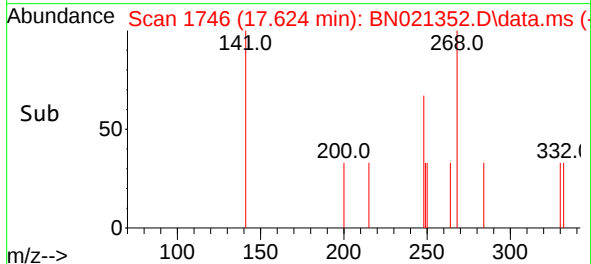
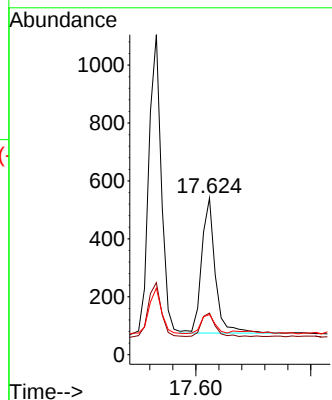
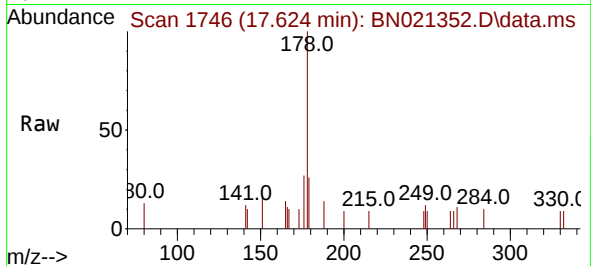




#26
 Anthracene
 Concen: 0.024 ng
 RT: 17.624 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

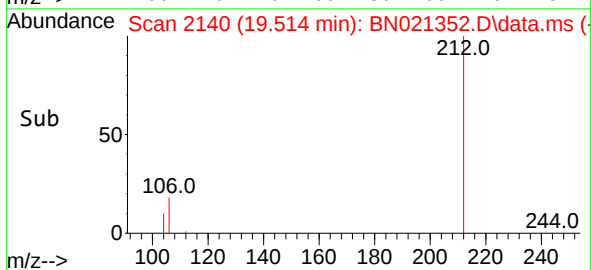
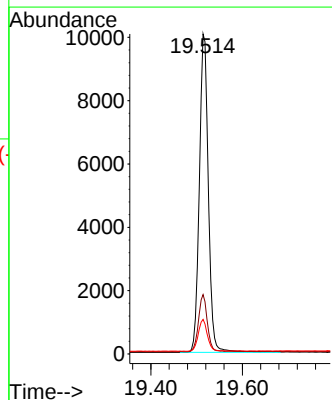
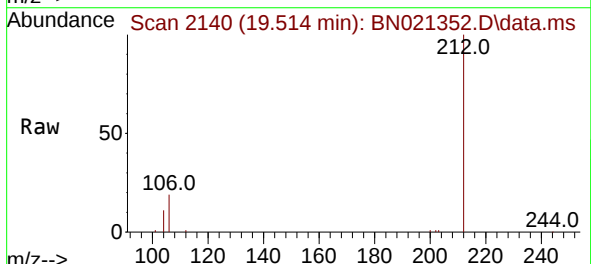
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20220816

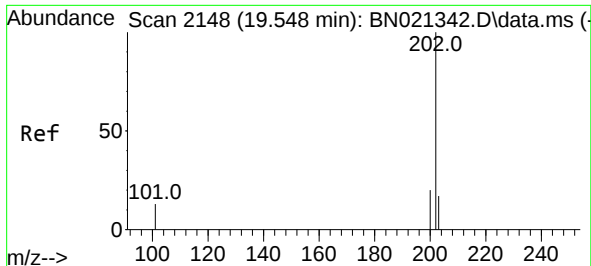
Tgt Ion:	178	Resp:	766
Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	14.5	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.441 ng
 RT: 19.514 min Scan# 2140
 Delta R.T. -0.004 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

Tgt Ion:	212	Resp:	13786
Ion	Ratio	Lower	Upper
212	100		
106	17.5	14.2	21.2
104	10.0	7.8	11.6

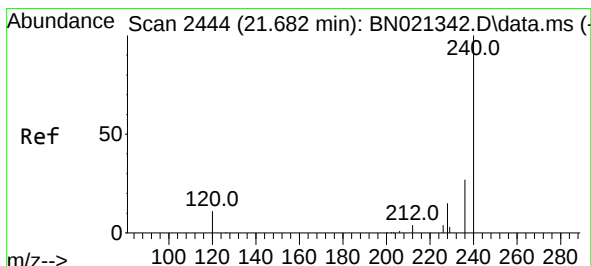
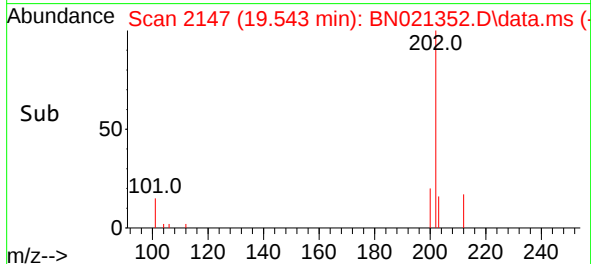
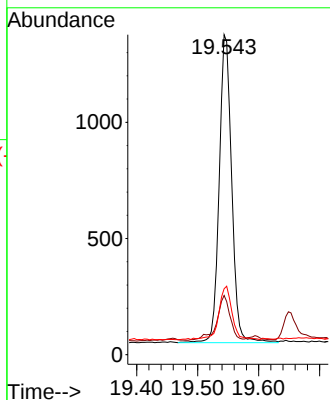
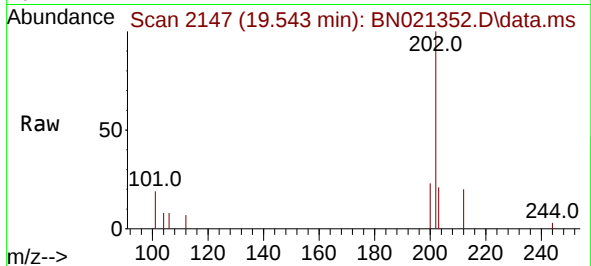




#28
Fluoranthene
Concen: 0.044 ng
RT: 19.543 min Scan# 2148
Delta R.T. -0.004 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

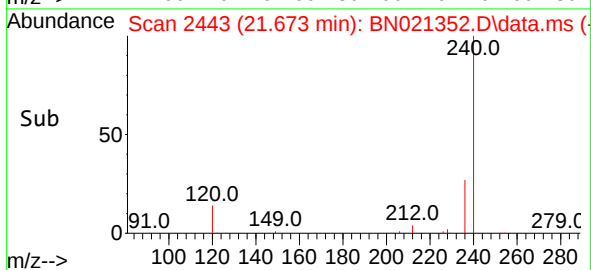
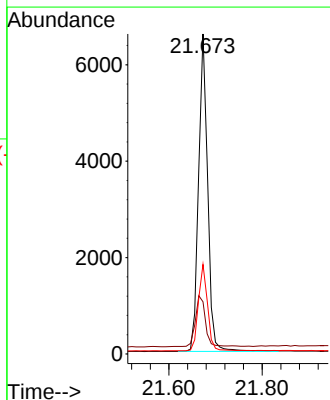
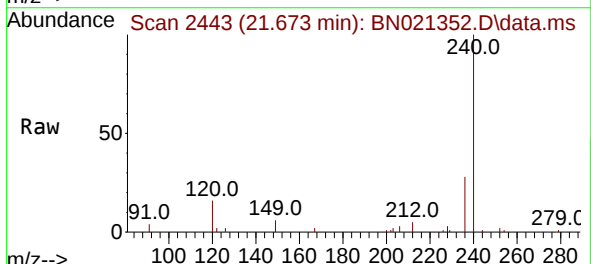
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816

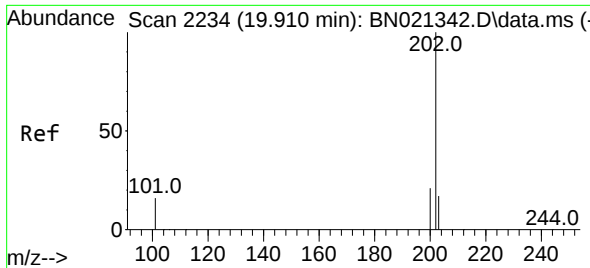
Tgt Ion:	202	Resp:	1872
Ion Ratio	Lower	Upper	
202	100		
101	15.5	10.9	16.3
203	18.4	13.8	20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.673 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:	240	Resp:	8964
Ion Ratio	Lower	Upper	
240	100		
120	16.3	10.2	15.4
236	28.0	22.1	33.1

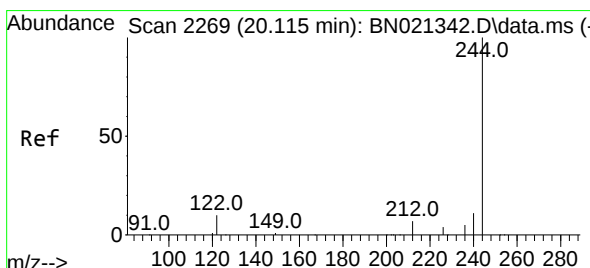
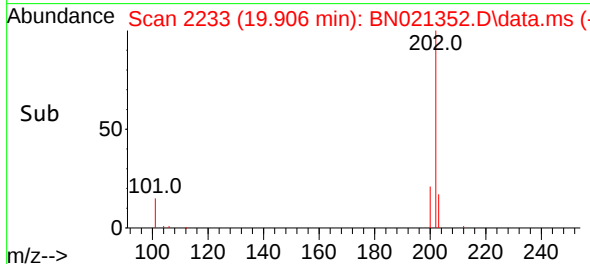
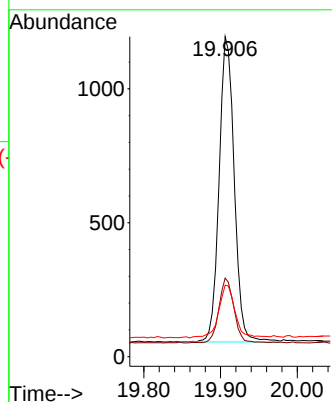
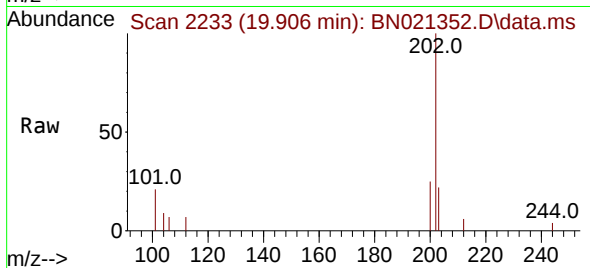




#30
Pyrene
Concen: 0.035 ng
RT: 19.906 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

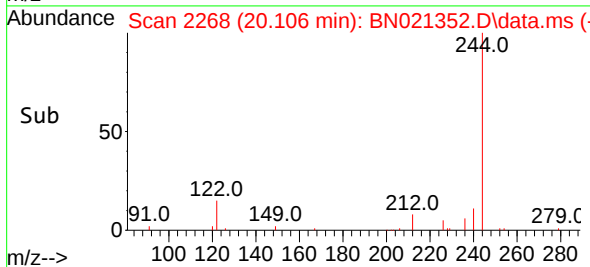
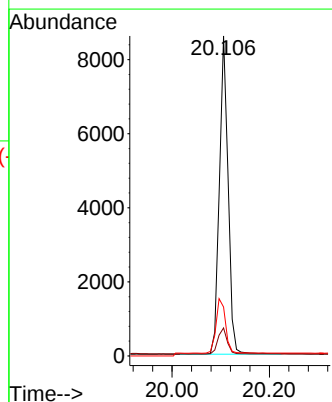
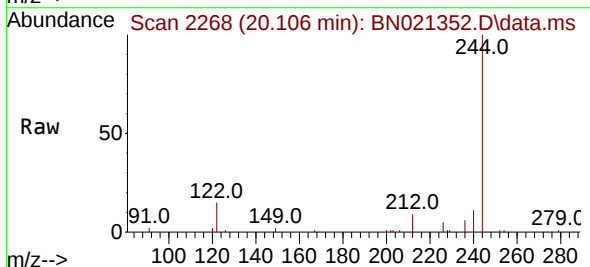
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816

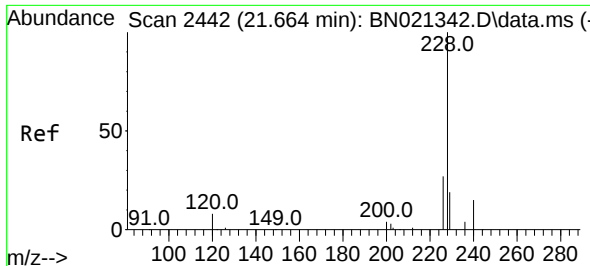
Tgt Ion:202 Resp: 1564
Ion Ratio Lower Upper
202 100
200 21.2 13.9 20.9#
203 19.0 11.9 17.9#



#31
Terphenyl-d14
Concen: 0.562 ng
RT: 20.106 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:244 Resp: 10640
Ion Ratio Lower Upper
244 100
212 8.8 6.5 9.7
122 15.3 9.1 13.7#

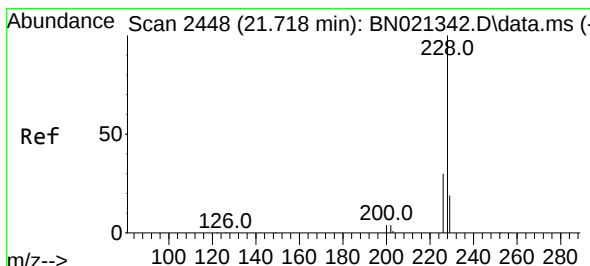
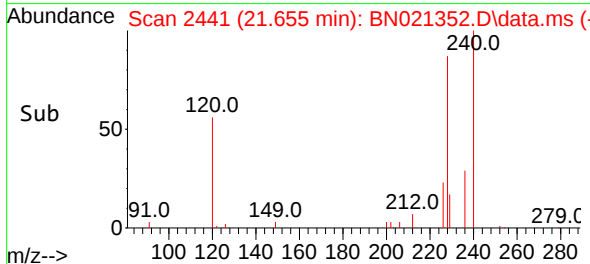
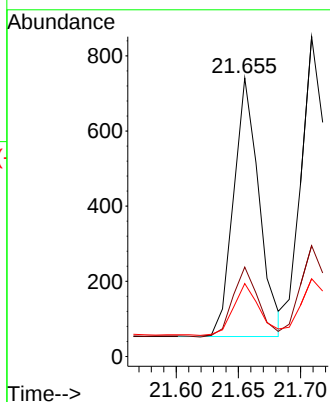
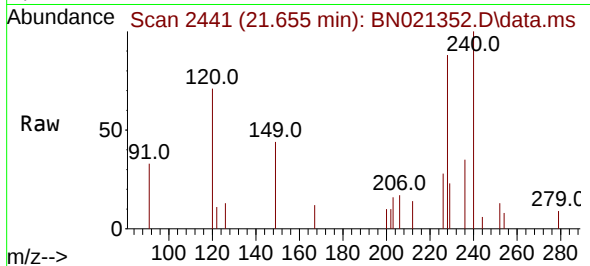




#32
Benzo(a)anthracene
Concen: 0.029 ng
RT: 21.655 min Scan# 2441
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

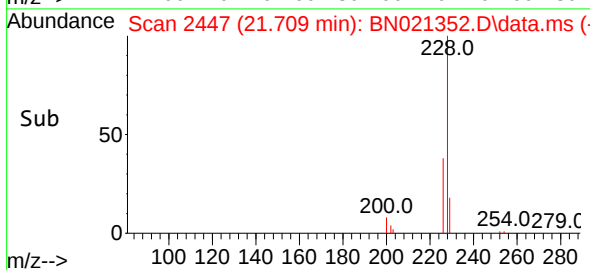
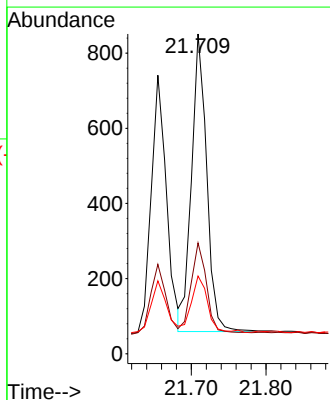
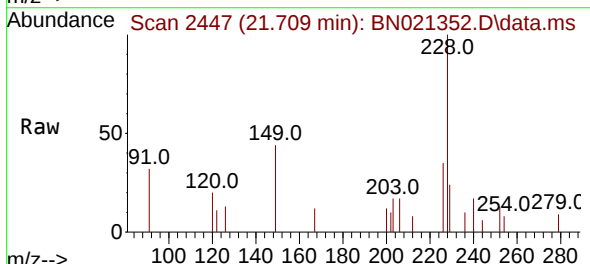
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816

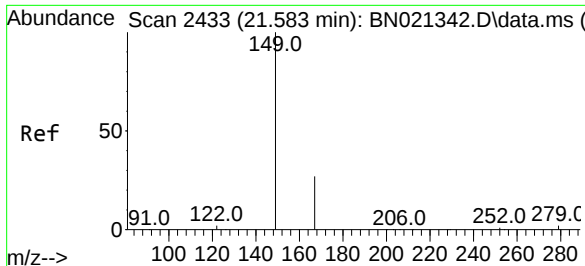
Tgt Ion:228 Resp: 982
Ion Ratio Lower Upper
228 100
226 32.1 22.0 33.0
229 26.2 15.9 23.9#



#33
Chrysene
Concen: 0.030 ng
RT: 21.709 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:228 Resp: 1121
Ion Ratio Lower Upper
228 100
226 34.7 24.2 36.2
229 24.3 15.9 23.9#

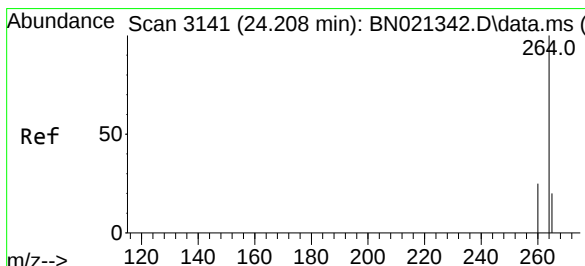
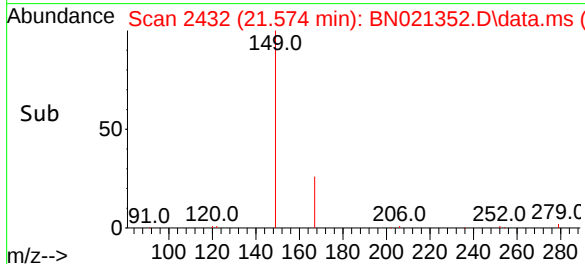
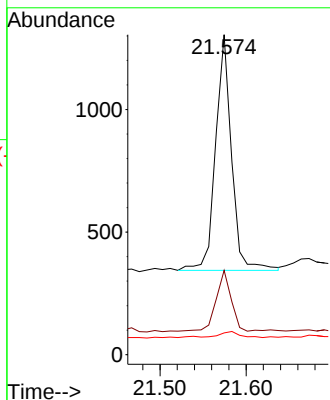
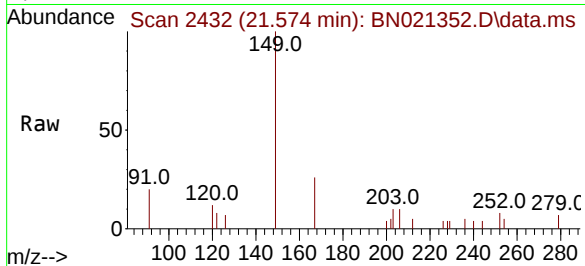




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.076 ng
 RT: 21.574 min Scan# 2433
 Delta R.T. -0.009 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

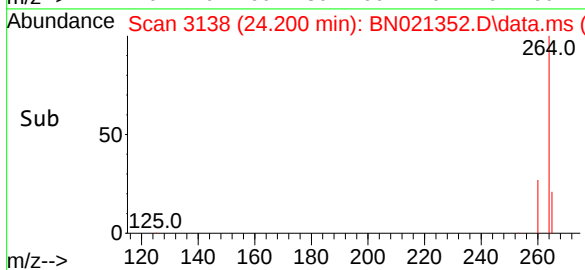
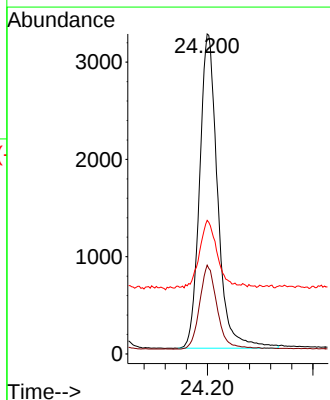
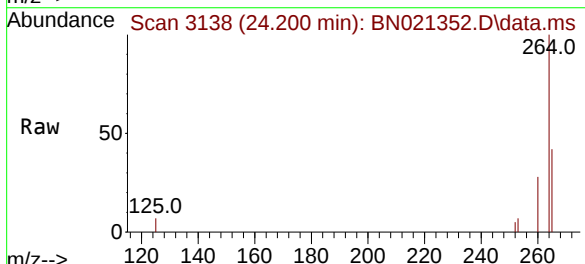
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20220816

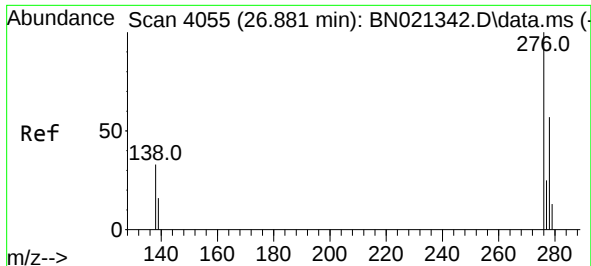
Tgt Ion:149	Resp:	1236
Ion Ratio	Lower	Upper
149	100	
167	25.4	21.4 32.0
279	3.1	2.2 3.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.200 min Scan# 3138
 Delta R.T. -0.009 min
 Lab File: BN021352.D
 Acq: 25 Aug 2022 00:54

Tgt Ion:264	Resp:	7670
Ion Ratio	Lower	Upper
264	100	
260	27.7	21.0 31.6
265	41.7	32.2 48.2

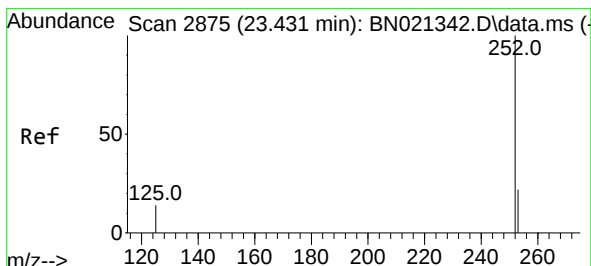
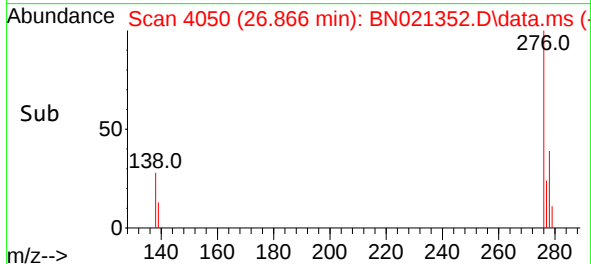
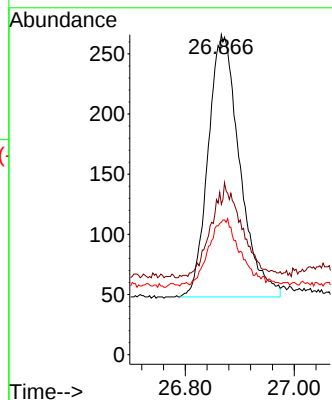
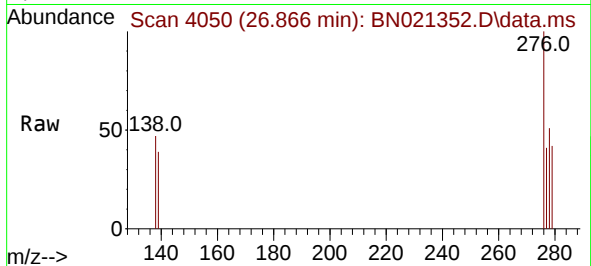




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng
RT: 26.866 min Scan# 4055
Delta R.T. -0.015 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

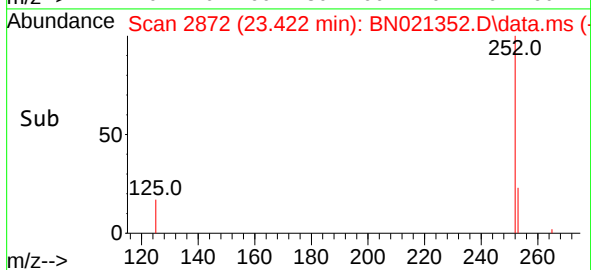
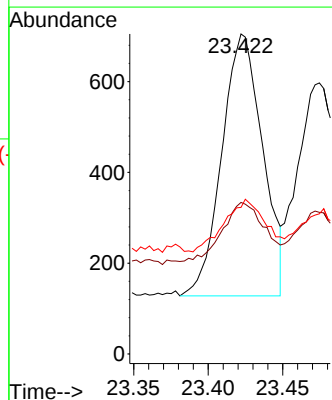
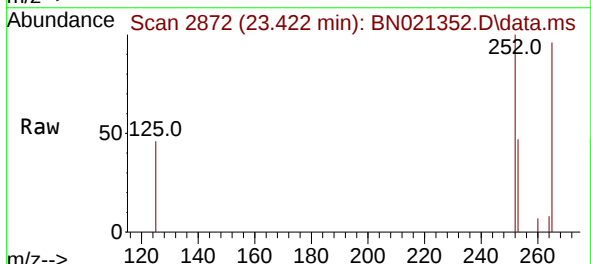
Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816

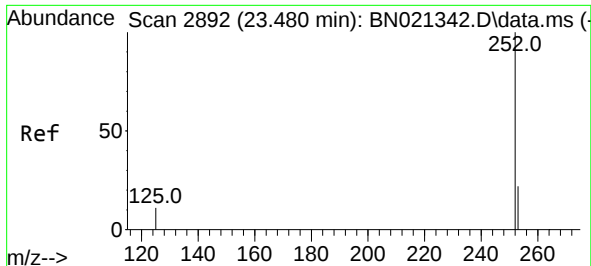
Tgt Ion:276 Resp: 877
Ion Ratio Lower Upper
276 100
138 13.2 27.4 41.2#
277 23.5 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.033 ng
RT: 23.422 min Scan# 2872
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

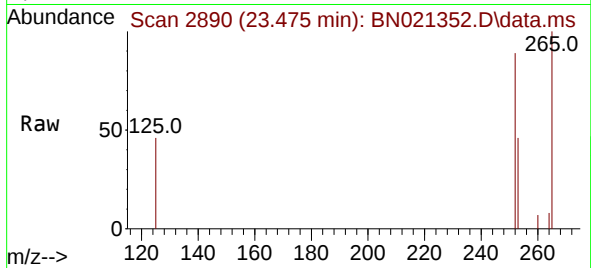
Tgt Ion:252 Resp: 1100
Ion Ratio Lower Upper
252 100
253 47.4 19.8 29.6#
125 45.8 13.7 20.5#



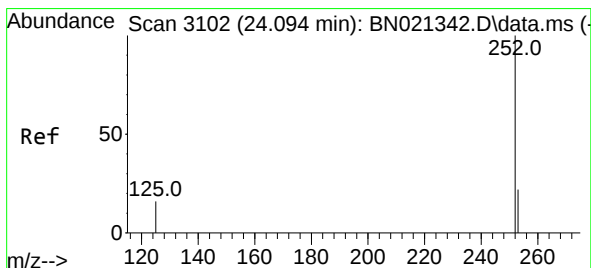
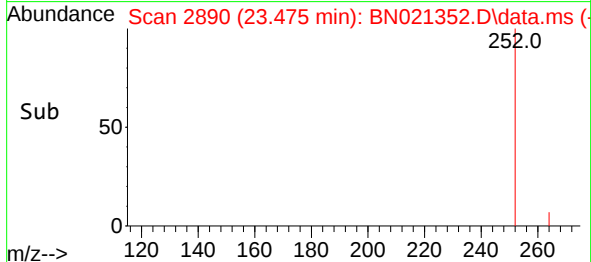
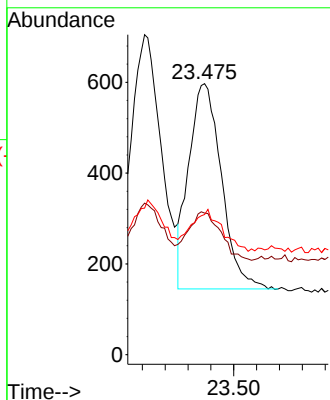


#38
Benzo(k)fluoranthene
Concen: 0.026 ng
RT: 23.475 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816

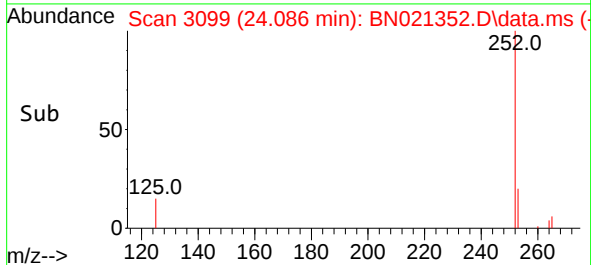
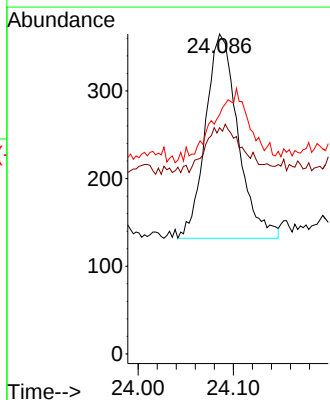
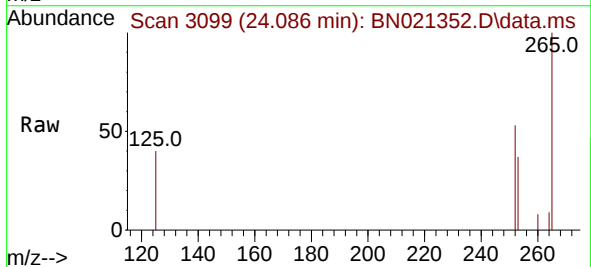


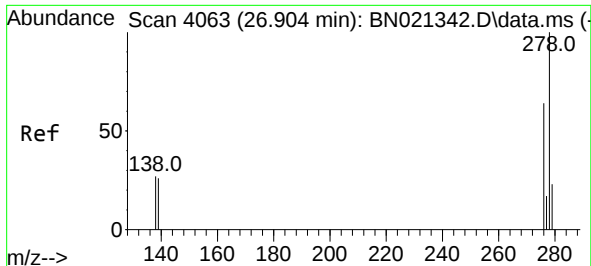
Tgt Ion:252 Resp: 898
Ion Ratio Lower Upper
252 100
253 52.3 19.5 29.3#
125 51.8 12.3 18.5#



#39
Benzo(a)pyrene
Concen: 0.020 ng
RT: 24.086 min Scan# 3099
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:252 Resp: 553
Ion Ratio Lower Upper
252 100
253 70.7 21.1 31.7#
125 74.8 16.6 25.0#

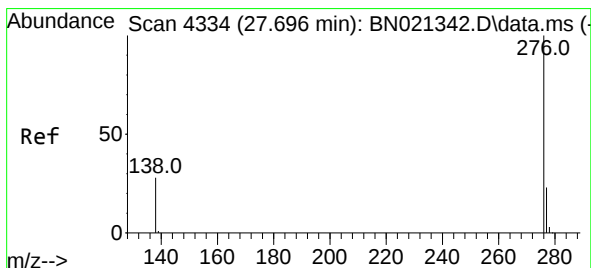
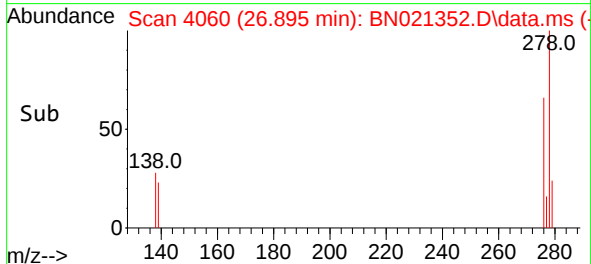
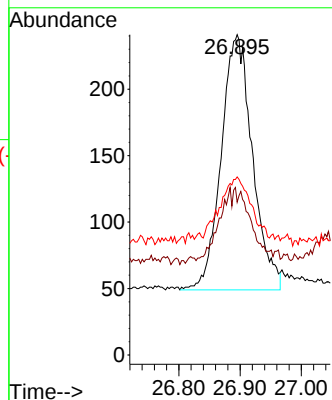
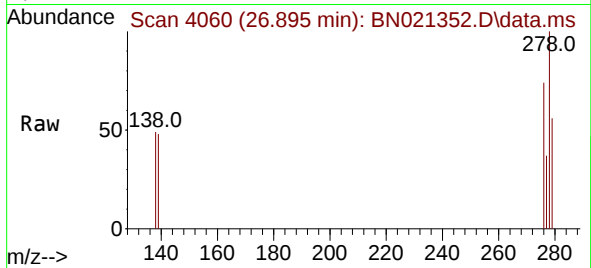




#40
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 26.895 min Scan# 4060
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Instrument :
BNA_N
ClientSampleId :
MW179D2-20220816

Tgt Ion:278 Resp: 681
Ion Ratio Lower Upper
278 100
139 47.7 21.8 32.6#
279 55.6 20.4 30.6#



#41
Benzo(g,h,i)perylene
Concen: 0.024 ng
RT: 27.688 min Scan# 4331
Delta R.T. -0.009 min
Lab File: BN021352.D
Acq: 25 Aug 2022 00:54

Tgt Ion:276 Resp: 826
Ion Ratio Lower Upper
276 100
277 39.4 19.7 29.5#
138 48.2 23.7 35.5#

