

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091923\
 Data File : BN027752.D
 Acq On : 19 Sep 2023 16:47
 Operator : MA/JU
 Sample : 04327-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BR-01-170-090623

Quant Time: Sep 19 17:34:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 14:40:21 2023
 Response via : Initial Calibration

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

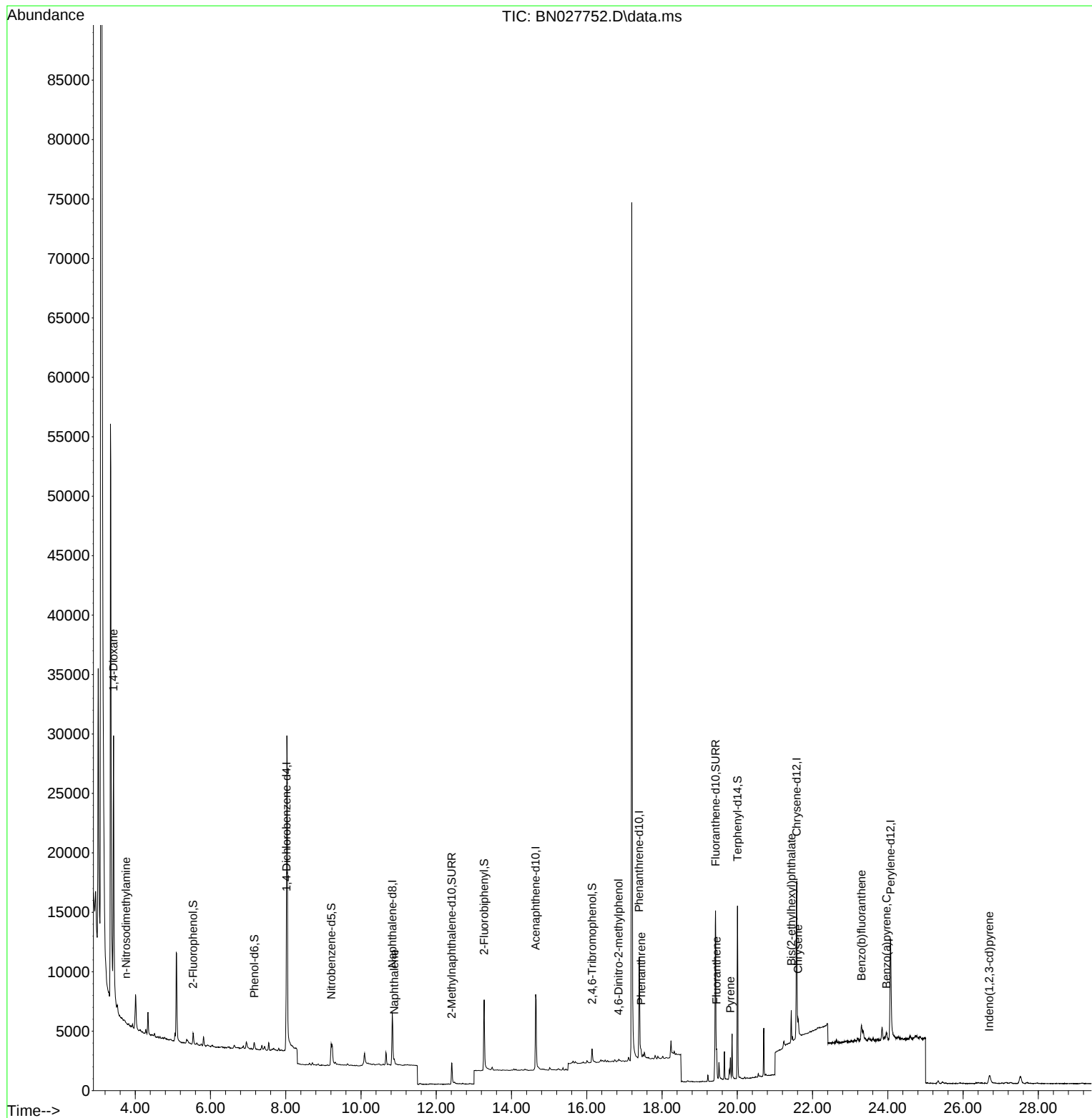
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	2033	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	6615	0.400	ng	0.00
13) Acenaphthene-d10	14.641	164	4520	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	12407	0.400	ng	0.00
29) Chrysene-d12	21.578	240	13141	0.400	ng	0.00
35) Perylene-d12	24.072	264	14200	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.538	112	841	0.158	ng	0.00
5) Phenol-d6	7.163	99	610	0.094	ng	0.00
8) Nitrobenzene-d5	9.209	82	1840	0.343	ng	0.00
11) 2-Methylnaphthalene-d10	12.411	152	3002	0.308	ng	0.00
14) 2,4,6-Tribromophenol	16.140	330	737	0.349	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	6046	0.393	ng	0.00
27) Fluoranthene-d10	19.421	212	15096	0.435	ng	0.00
31) Terphenyl-d14	20.006	244	13928	0.565	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.422	88	15262	6.427	ng	98
3) n-Nitrosodimethylamine	3.754	42	59	0.020	ng	# 1
9) Naphthalene	10.885	128	431	0.024	ng	# 55
20) 4,6-Dinitro-2-methylph...	16.847	198	4	0.021	ng	# 1
25) Phenanthrene	17.443	178	722	0.020	ng	# 84
28) Fluoranthene	19.449	202	1936	0.041	ng	# 82
30) Pyrene	19.816	202	1656	0.037	ng	97
33) Chrysene	21.614	228	1115	0.022	ng	# 87
34) Bis(2-ethylhexyl)phtha...	21.435	149	2454	0.111	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.697	276	1315	0.020	ng	# 82
37) Benzo(b)fluoranthene	23.300	252	2343	0.044	ng	# 3
39) Benzo(a)pyrene	23.964	252	1003	0.020	ng	# 1

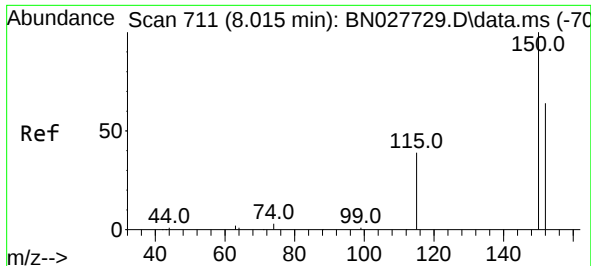
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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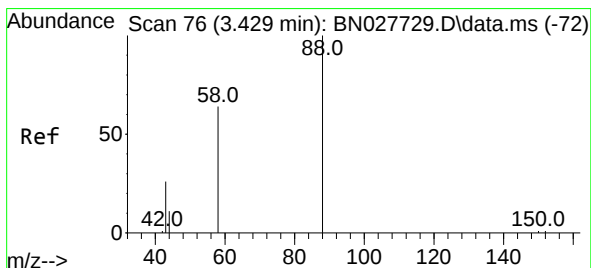
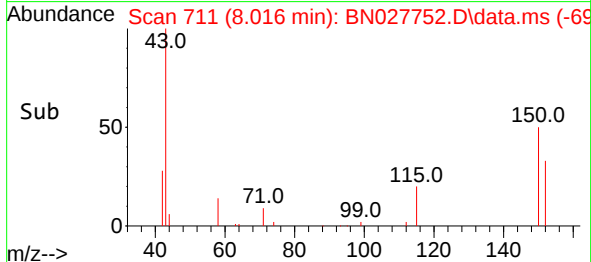
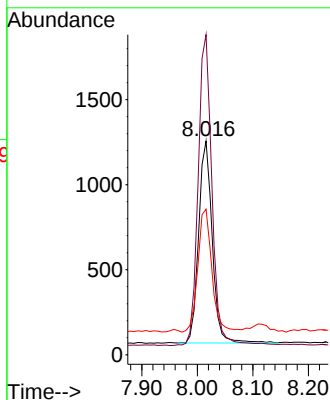
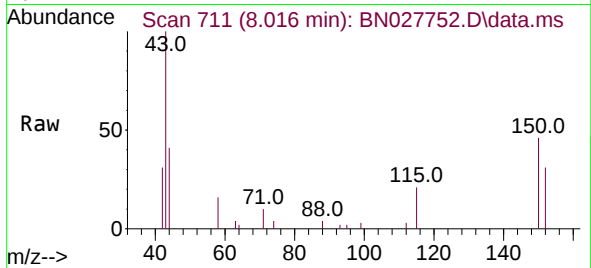




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.016 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: BN027752.D
 Acq: 19 Sep 2023 16:47

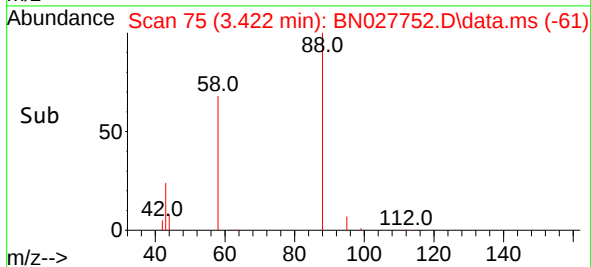
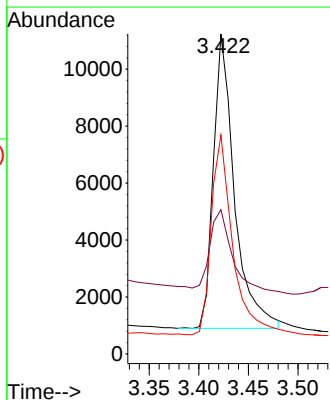
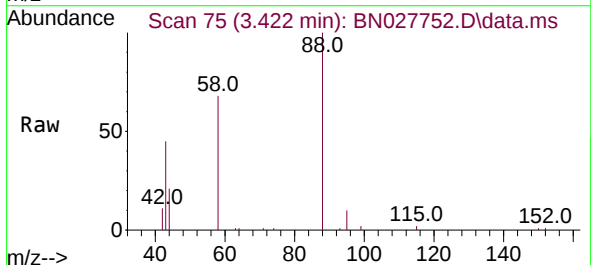
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 BNA_N
 ClientSampleId :
 BR-01-170-090623

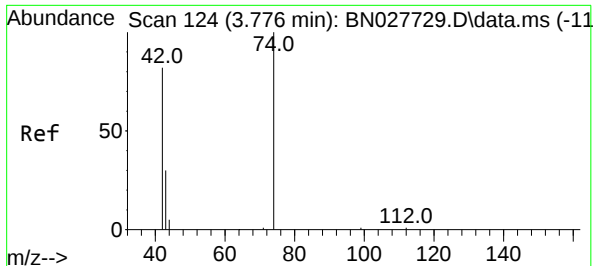
Tgt Ion:152 Resp: 2033
 Ion Ratio Lower Upper
 152 100
 150 149.8 119.2 178.8
 115 68.2 53.8 80.8



#2
 1,4-Dioxane
 Concen: 6.427 ng
 RT: 3.422 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: BN027752.D
 Acq: 19 Sep 2023 16:47

Tgt Ion: 88 Resp: 15262
 Ion Ratio Lower Upper
 88 100
 43 28.8 21.5 32.3
 58 68.6 54.4 81.6

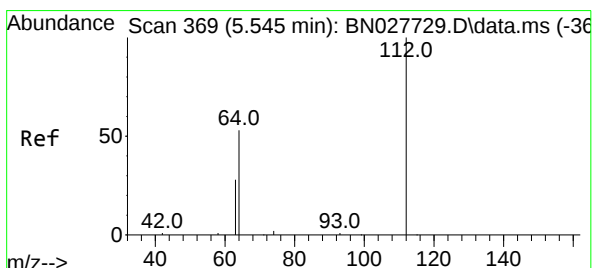
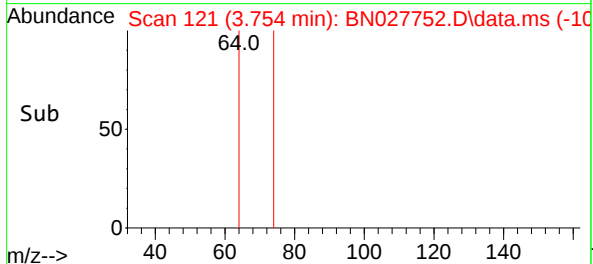
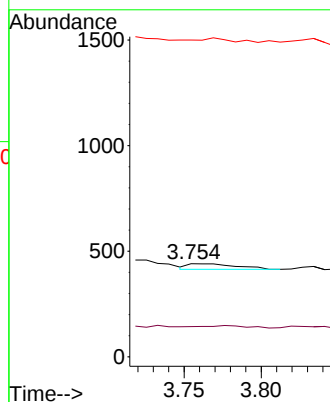
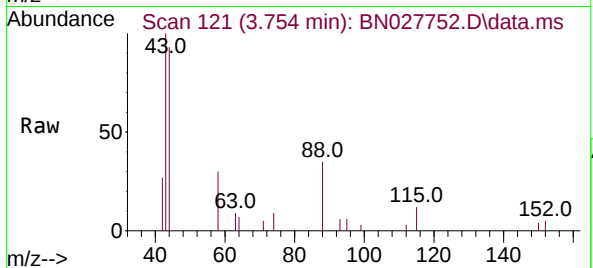




#3
n-Nitrosodimethylamine
Concen: 0.020 ng
RT: 3.754 min Scan# 11
Delta R.T. -0.014 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

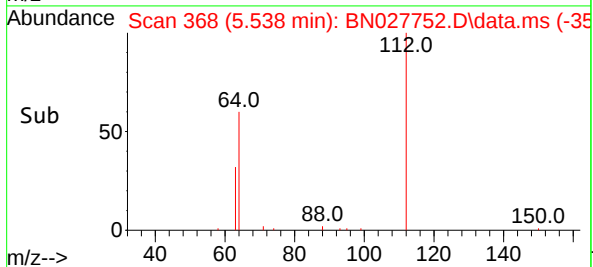
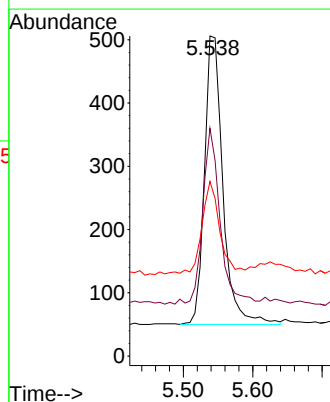
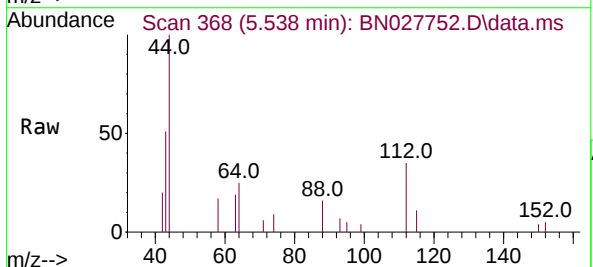
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623

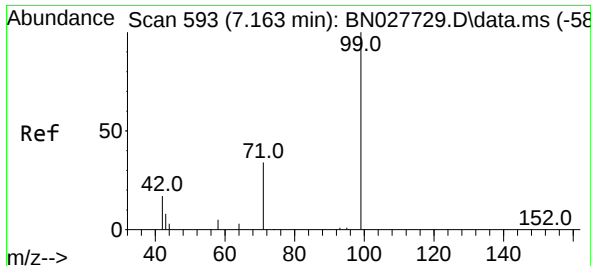
Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
74 0.0 105.8 158.8#
44 0.0 5.0 7.4#



#4
2-Fluorophenol
Concen: 0.158 ng
RT: 5.538 min Scan# 368
Delta R.T. -0.007 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

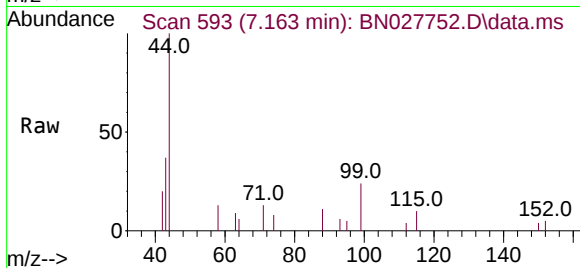
Tgt Ion: 112 Resp: 841
Ion Ratio Lower Upper
112 100
64 57.8 45.0 67.6
63 31.9 24.1 36.1



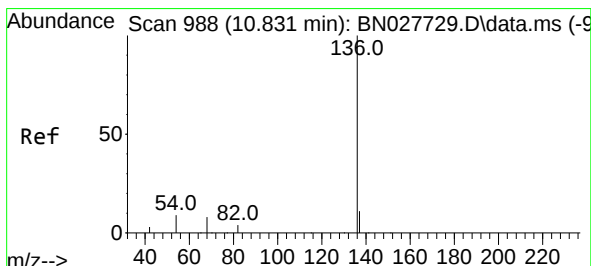
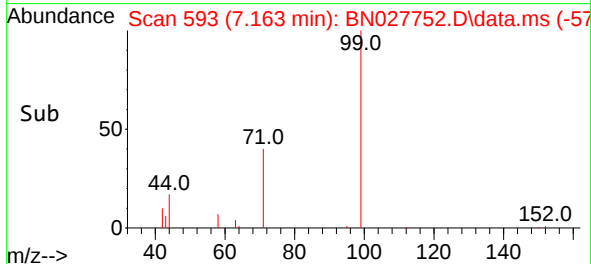
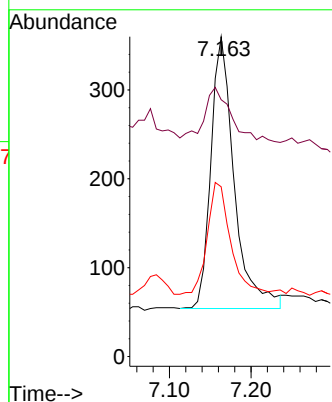


#5
Phenol-d6
Concen: 0.094 ng
RT: 7.163 min Scan# 593
Delta R.T. 0.007 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623

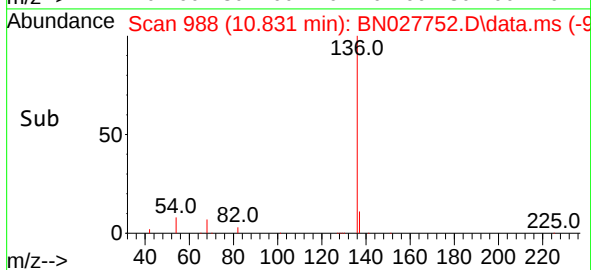
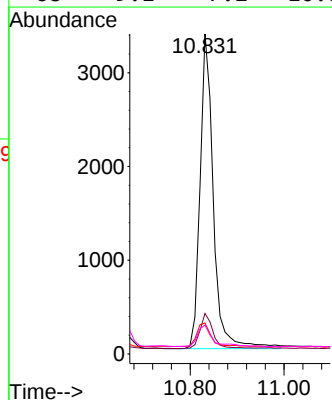
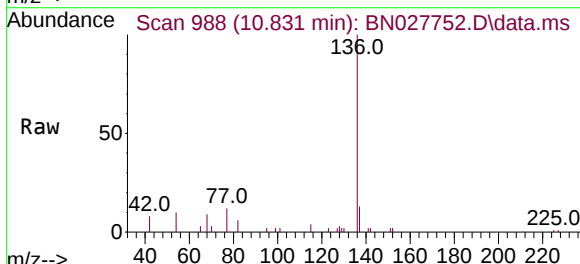


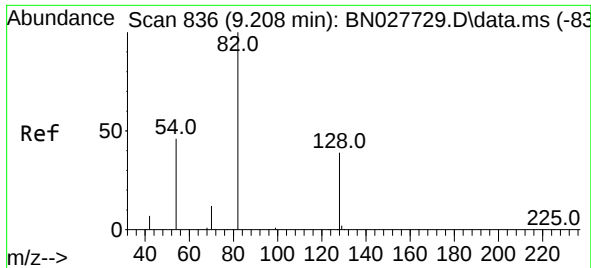
Tgt Ion: 99 Resp: 610
Ion Ratio Lower Upper
99 100
42 23.3 15.8 23.8
71 41.5 27.3 40.9#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion: 136 Resp: 6615
Ion Ratio Lower Upper
136 100
137 12.7 9.8 14.8
54 9.7 7.8 11.6
68 9.1 7.2 10.8

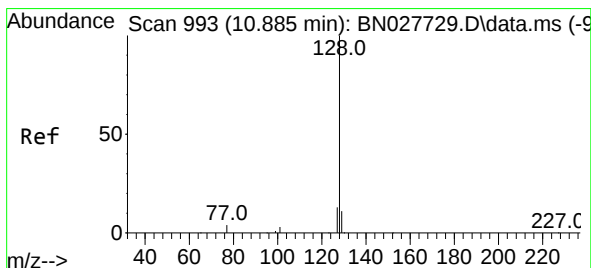
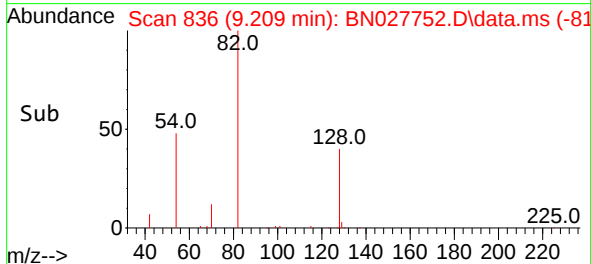
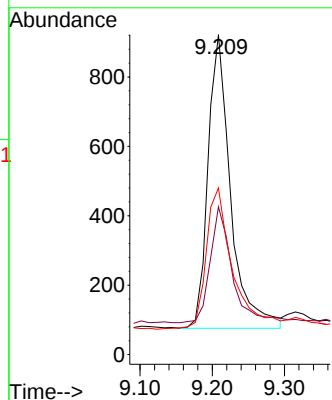
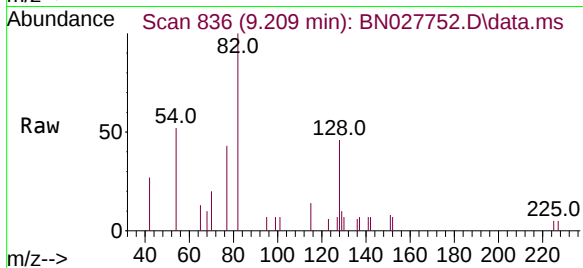




#8
Nitrobenzene-d5
Concen: 0.343 ng
RT: 9.209 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

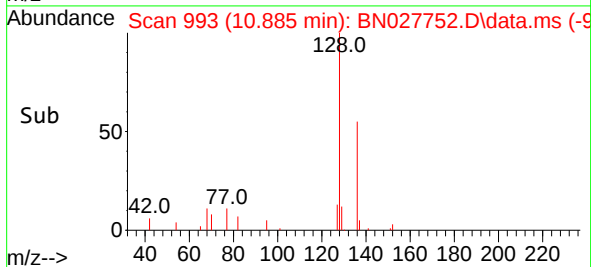
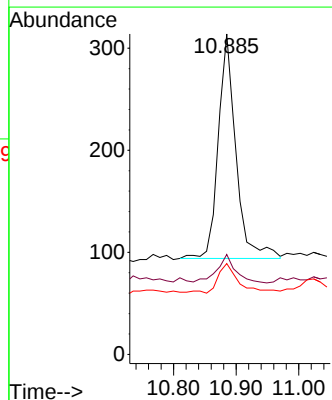
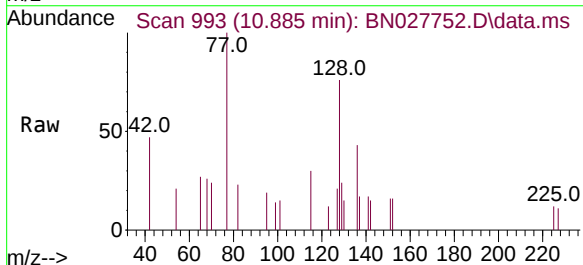
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BR-01-170-090623

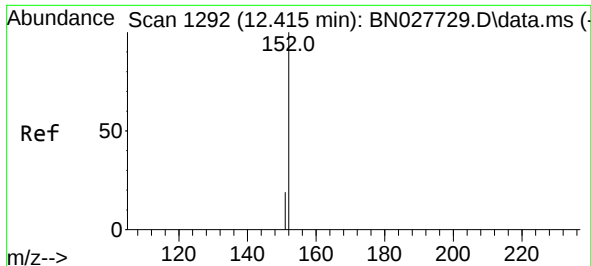
Tgt Ion: 82 Resp: 1840
Ion Ratio Lower Upper
82 100
128 46.2 35.1 52.7
54 52.1 35.1 52.7



#9
Naphthalene
Concen: 0.024 ng
RT: 10.885 min Scan# 993
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion: 128 Resp: 431
Ion Ratio Lower Upper
128 100
129 31.2 8.9 13.3#
127 28.3 10.4 15.6#

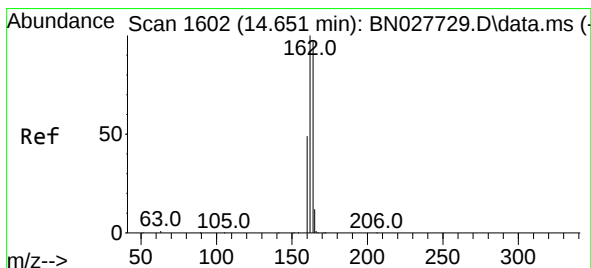
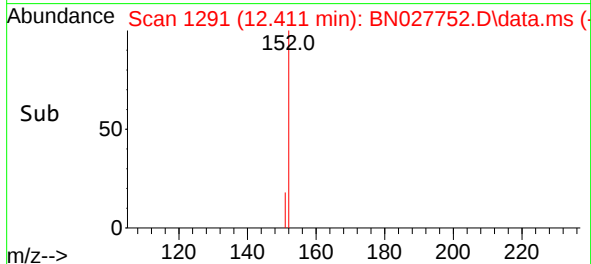
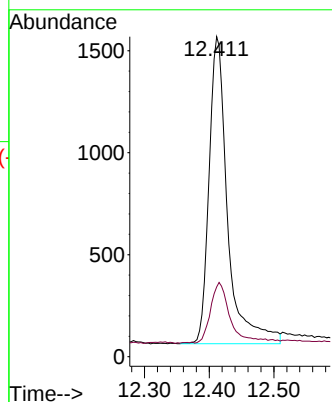
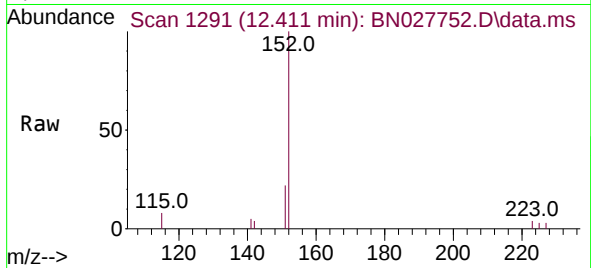




#11
2-Methylnaphthalene-d10
Concen: 0.308 ng
RT: 12.411 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

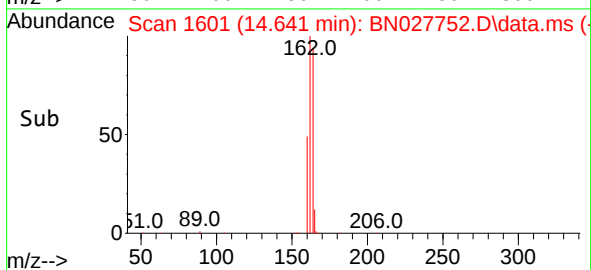
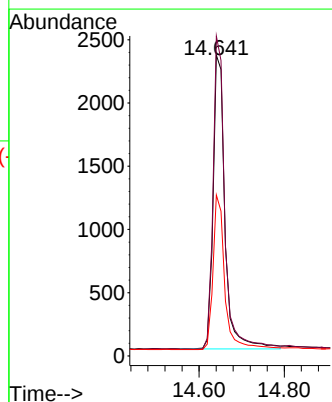
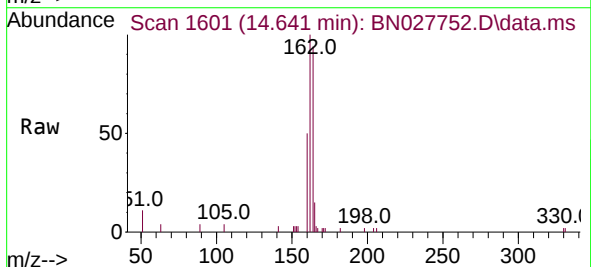
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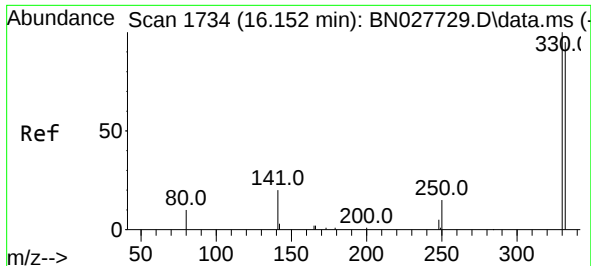
Tgt Ion:152 Resp: 3002
Ion Ratio Lower Upper
152 100
151 21.2 16.5 24.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.641 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion:164 Resp: 4520
Ion Ratio Lower Upper
164 100
162 106.4 83.4 125.2
160 53.5 41.0 61.4

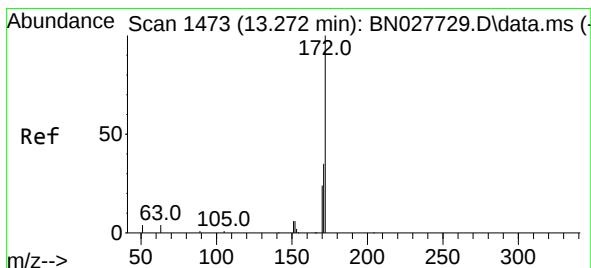
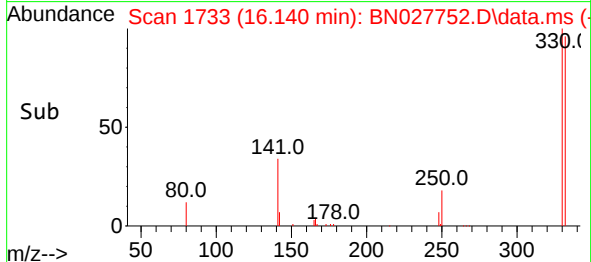
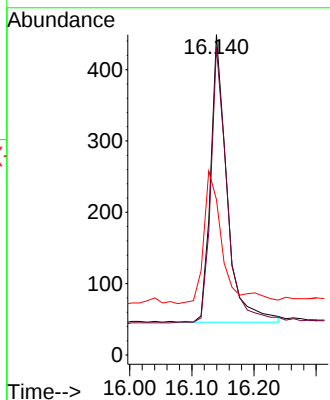
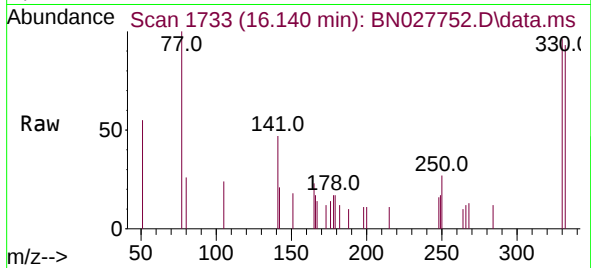




#14
2,4,6-Tribromophenol
Concen: 0.349 ng
RT: 16.140 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

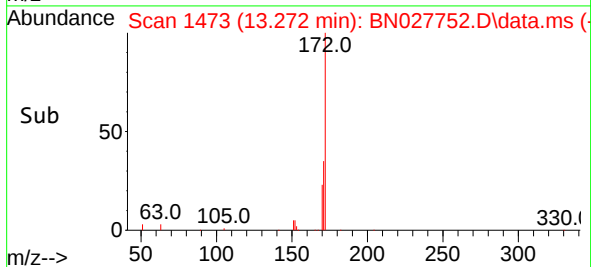
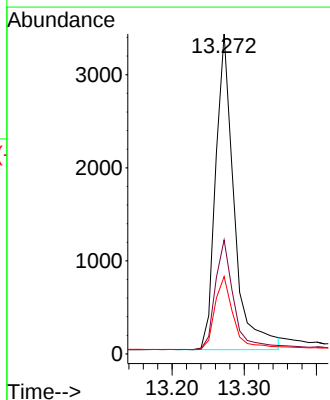
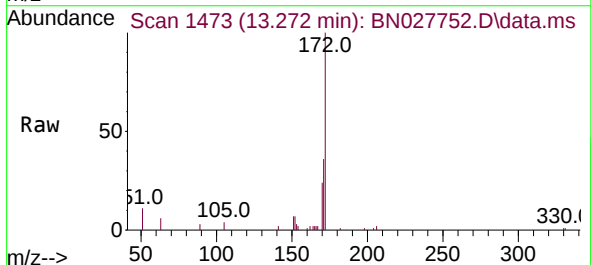
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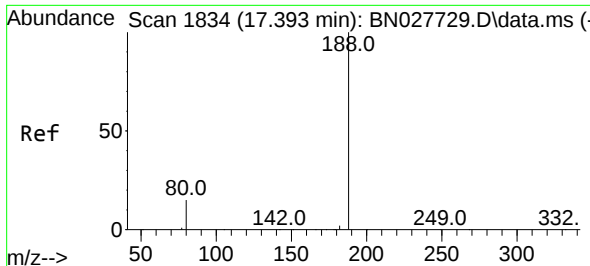
Tgt Ion:330 Resp: 737
Ion Ratio Lower Upper
330 100
332 95.1 76.6 115.0
141 53.3 38.2 57.2



#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.272 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion:172 Resp: 6046
Ion Ratio Lower Upper
172 100
171 35.7 27.6 41.4
170 24.2 18.7 28.1

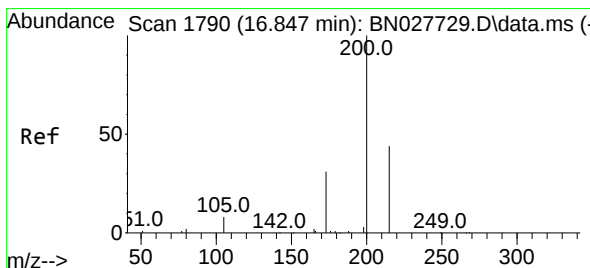
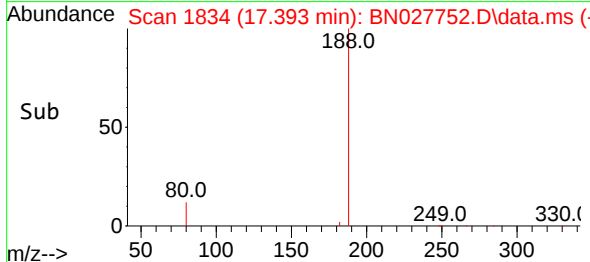
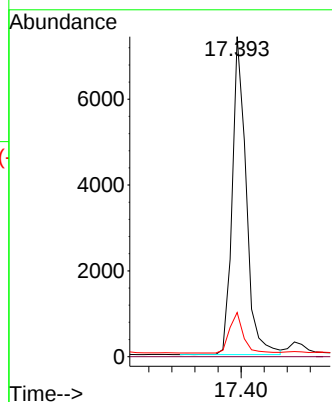
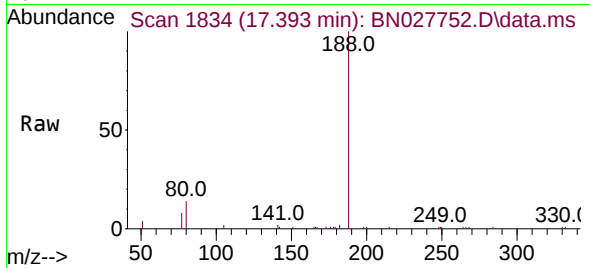




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

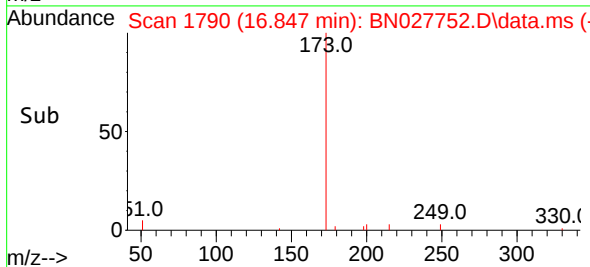
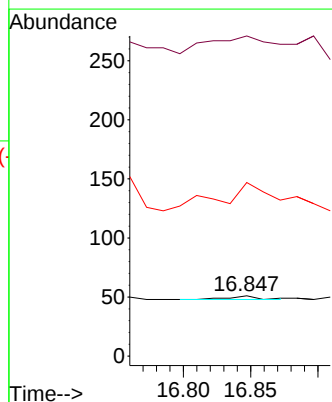
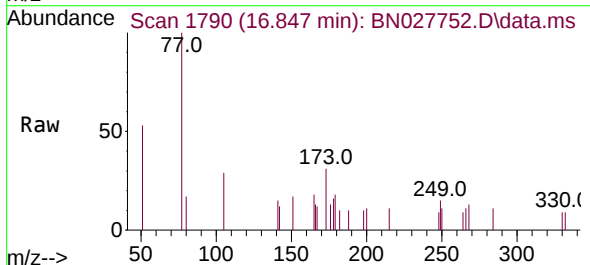
Instrument :
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BR-01-170-090623

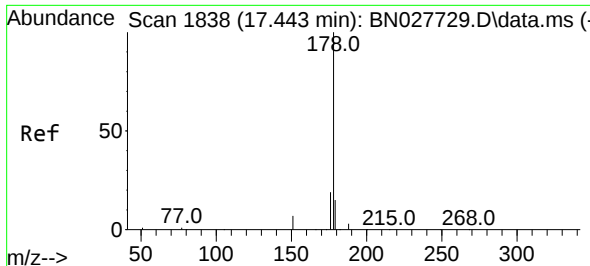
Tgt Ion:188 Resp: 12407
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.8 9.5 14.3



#20
4,6-Dinitro-2-methylphenol
Concen: 0.021 ng
RT: 16.847 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion:198 Resp: 4
Ion Ratio Lower Upper
198 100
51 531.4 30.0 45.0#
105 288.2 145.9 218.9#

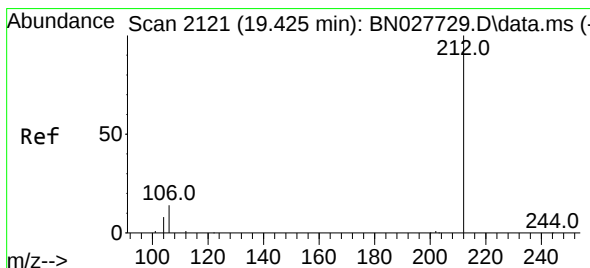
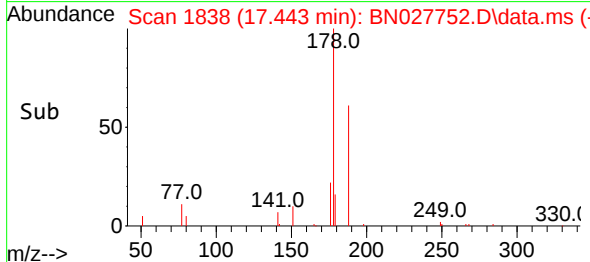
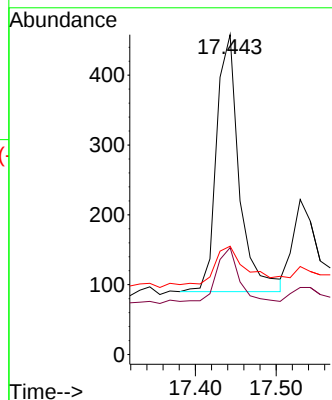
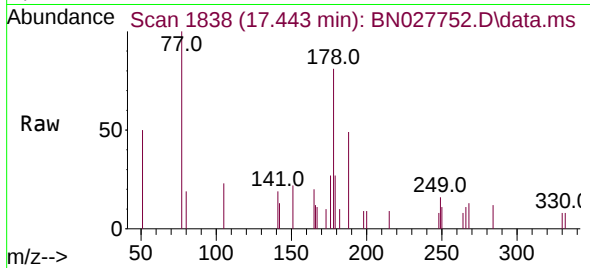




#25
Phenanthrene
Concen: 0.020 ng
RT: 17.443 min Scan# 1838
Delta R.T. 0.013 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

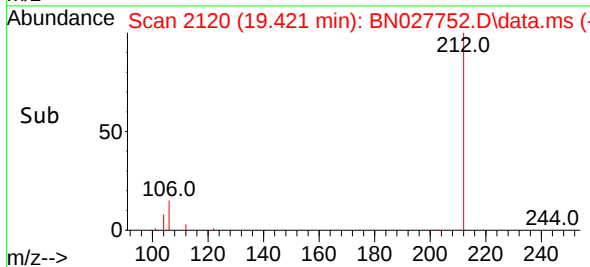
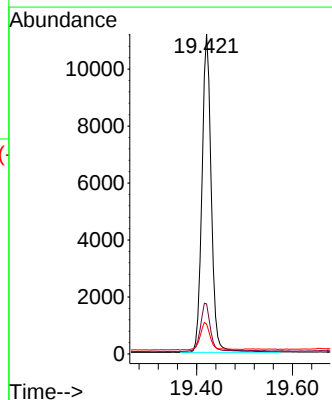
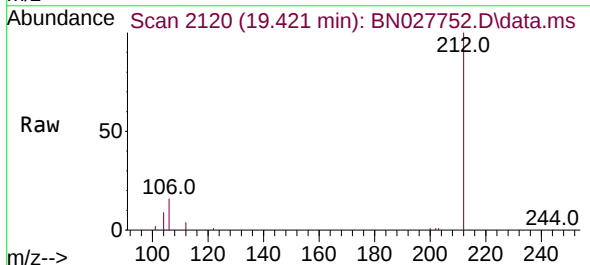
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623

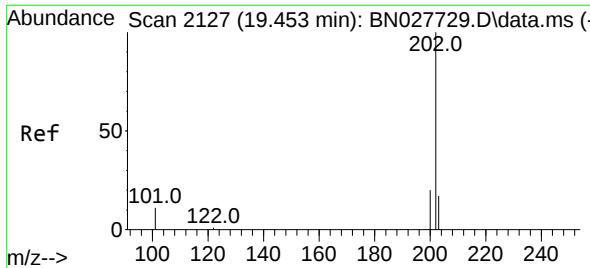
Tgt Ion:178 Resp: 722
Ion Ratio Lower Upper
178 100
176 24.5 15.4 23.2#
179 24.7 12.2 18.2#



#27
Fluoranthene-d10
Concen: 0.435 ng
RT: 19.421 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion:212 Resp: 15096
Ion Ratio Lower Upper
212 100
106 16.1 11.9 17.9
104 9.3 6.7 10.1

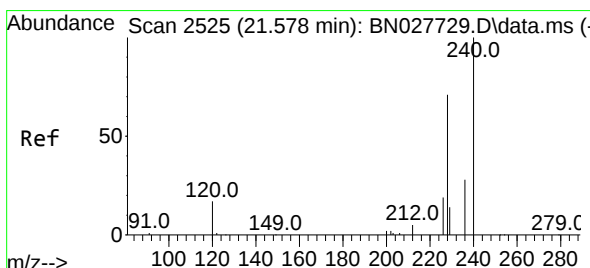
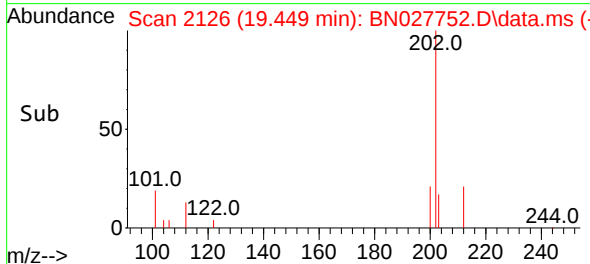
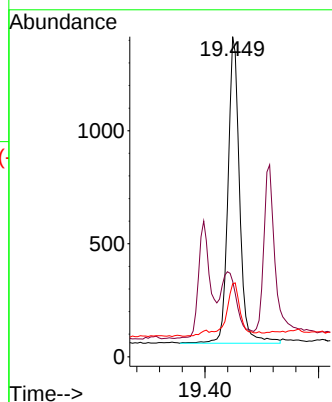
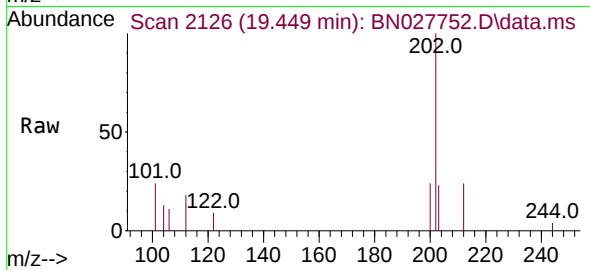




#28
Fluoranthene
Concen: 0.041 ng
RT: 19.449 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

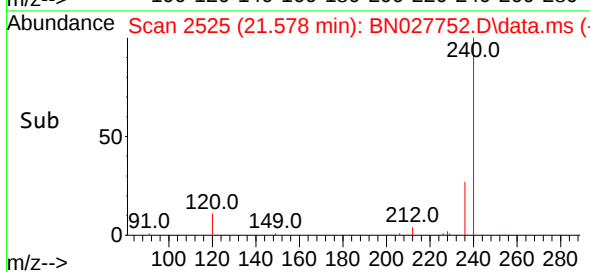
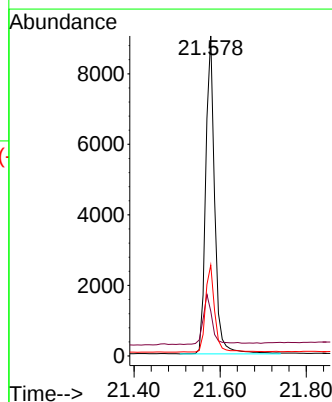
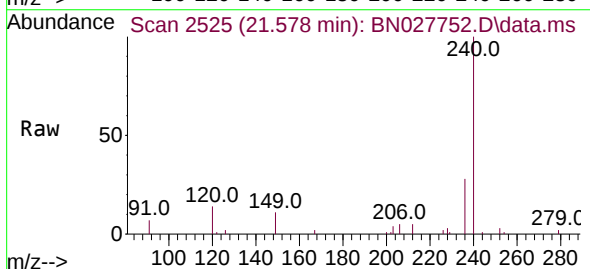
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623

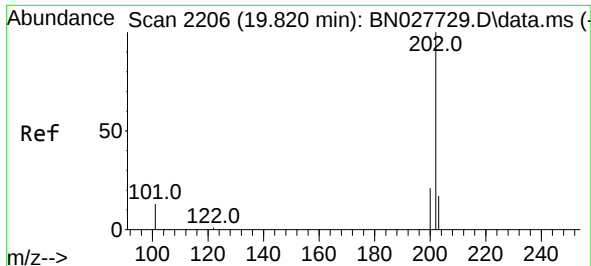
Tgt Ion:202 Resp: 1936
Ion Ratio Lower Upper
202 100
101 28.8 9.5 14.3#
203 17.4 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.578 min Scan# 2525
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion:240 Resp: 13141
Ion Ratio Lower Upper
240 100
120 14.0 10.7 16.1
236 28.4 22.4 33.6

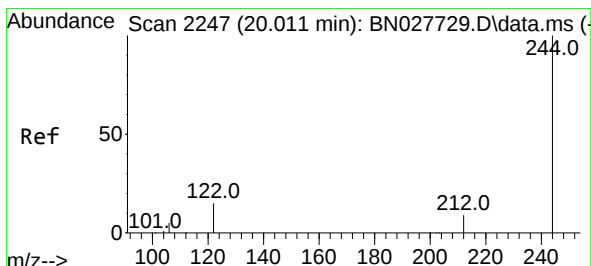
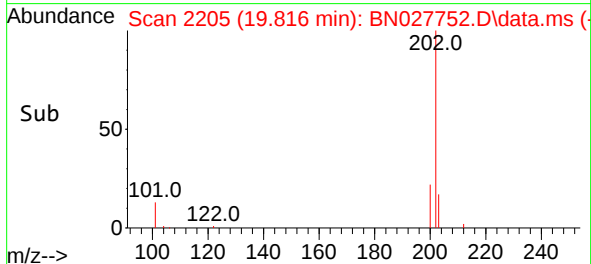
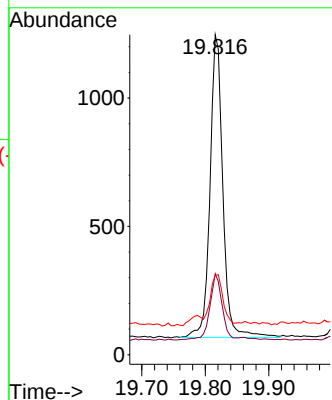
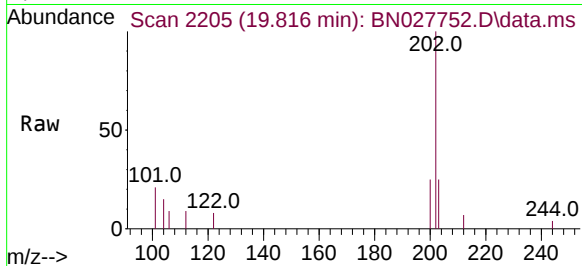




#30
Pyrene
Concen: 0.037 ng
RT: 19.816 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

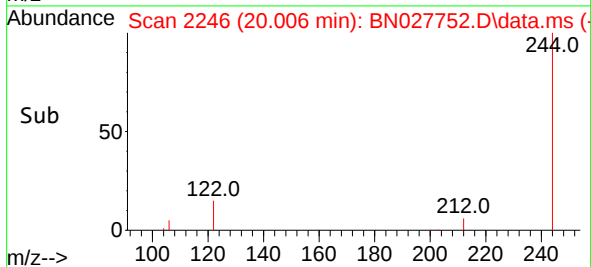
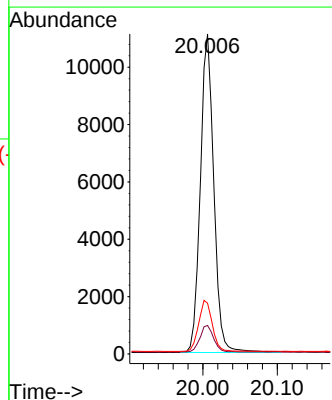
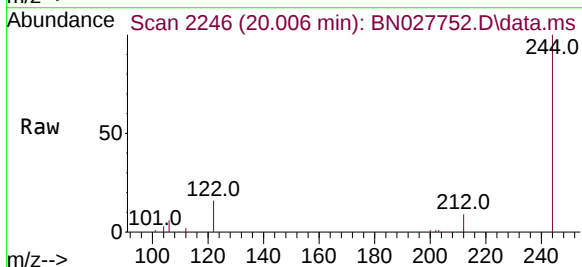
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623

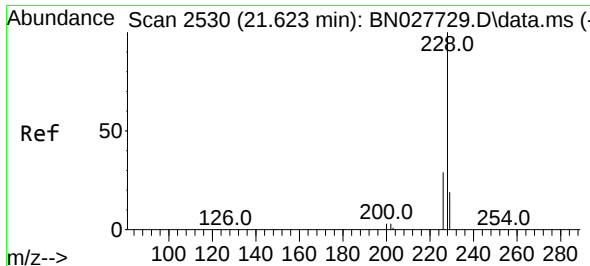
Tgt Ion:	202	Resp:	1656
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.8	25.2
203	15.5	14.2	21.4



#31
Terphenyl-d14
Concen: 0.565 ng
RT: 20.006 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion:	244	Resp:	13928
Ion Ratio	Lower	Upper	
244	100		
212	8.9	7.0	10.4
122	15.8	12.7	19.1

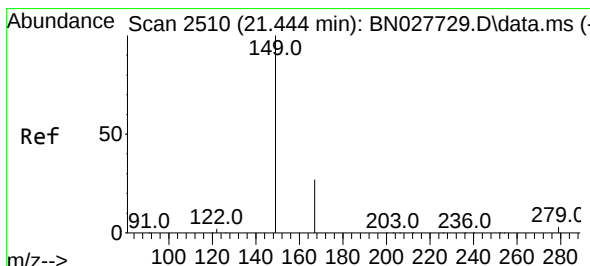
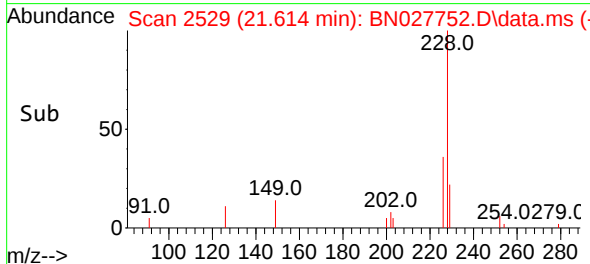
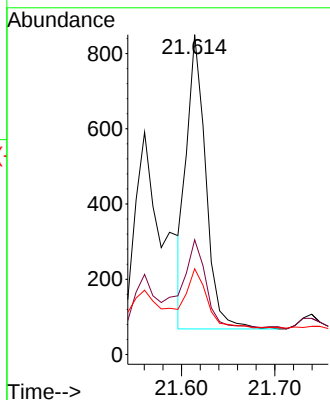
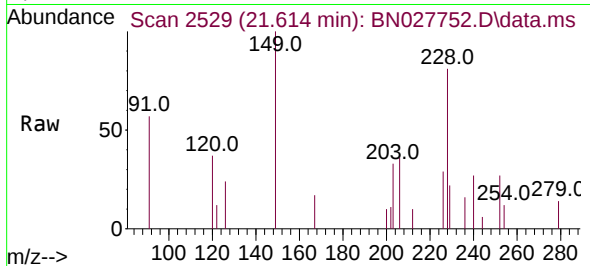




#33
Chrysene
Concen: 0.022 ng
RT: 21.614 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

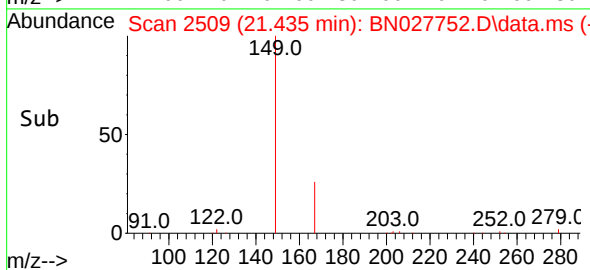
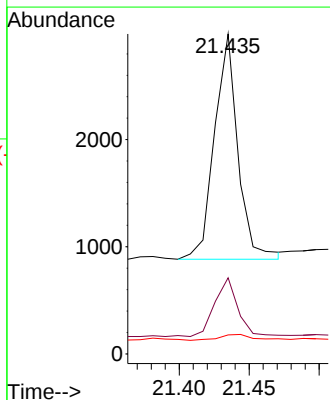
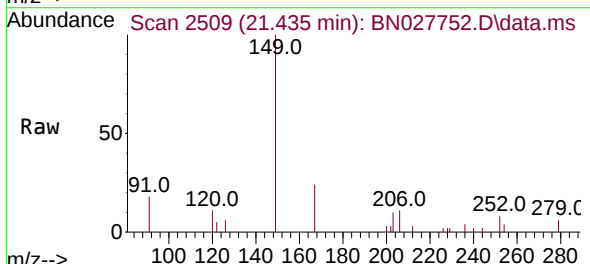
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623

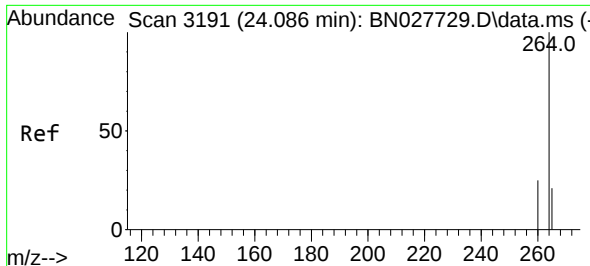
Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.9	24.1	36.1
229	26.8	15.6	23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.111 ng
RT: 21.435 min Scan# 2509
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.5	32.3
279	4.2	2.3	3.5





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.072 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN027752.D

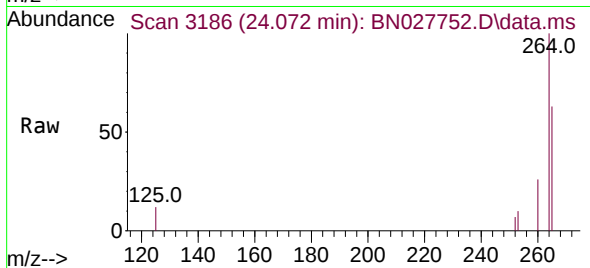
Acq: 19 Sep 2023 16:47

Instrument :

BNA_N

ClientSampleId :

BR-01-170-090623



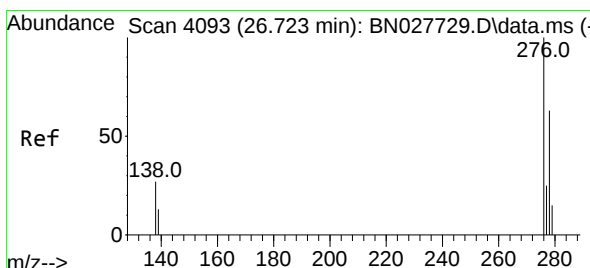
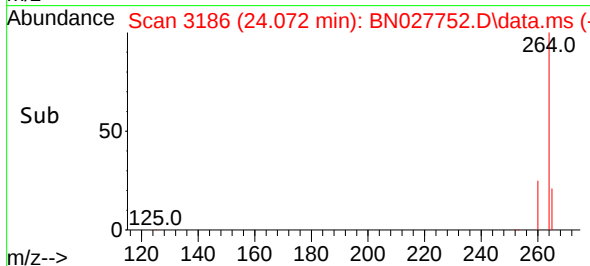
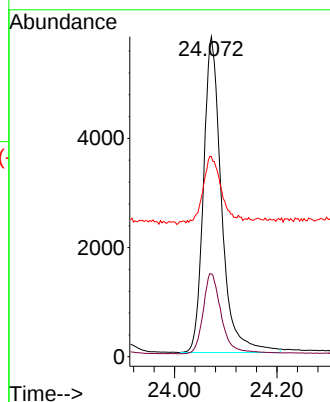
Tgt Ion:264 Resp: 14200

Ion Ratio Lower Upper

264 100

260 25.8 20.9 31.3

265 62.6 56.6 85.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.020 ng

RT: 26.697 min Scan# 4084

Delta R.T. 0.003 min

Lab File: BN027752.D

Acq: 19 Sep 2023 16:47

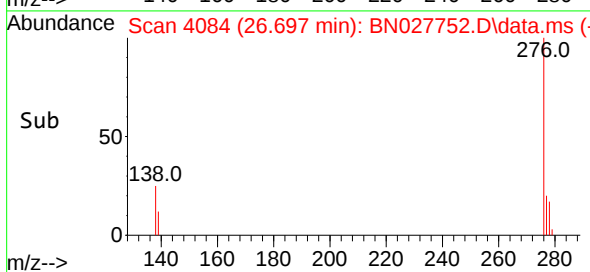
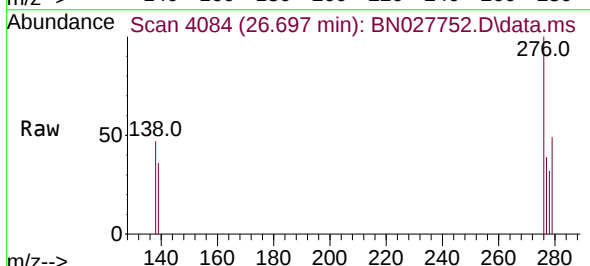
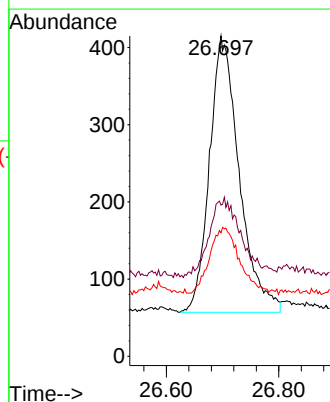
Tgt Ion:276 Resp: 1315

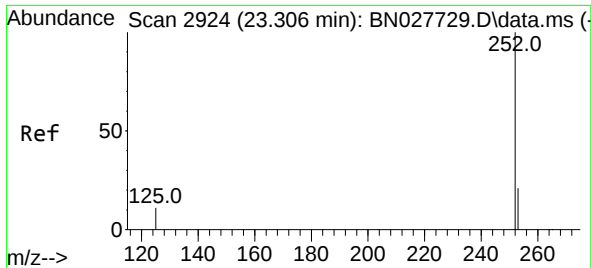
Ion Ratio Lower Upper

276 100

138 12.5 23.4 35.0#

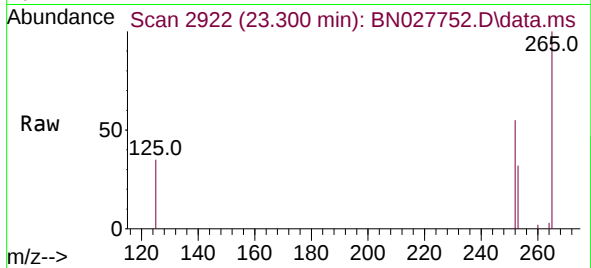
277 23.4 19.9 29.9



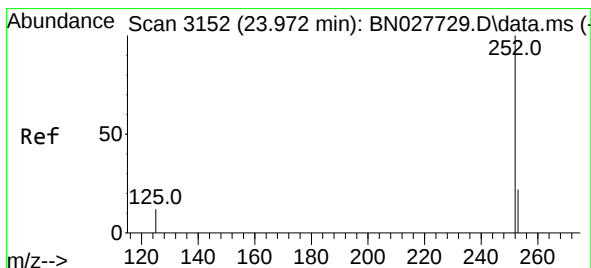
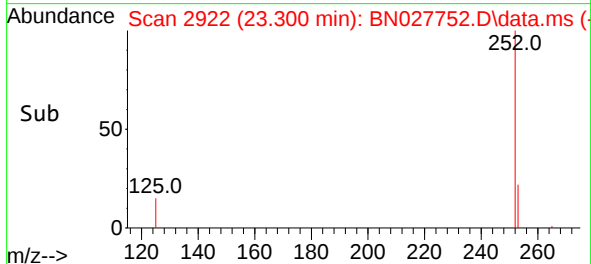
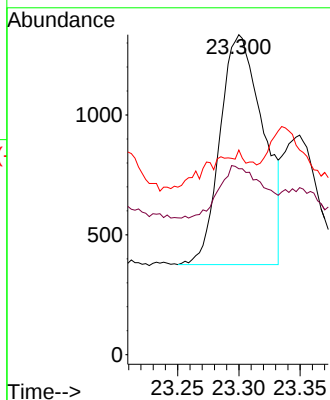


#37
Benzo(b)fluoranthene
Concen: 0.044 ng
RT: 23.300 min Scan# 2924
Delta R.T. 0.003 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623



Tgt Ion:252 Resp: 2343
Ion Ratio Lower Upper
252 100
253 58.1 17.6 26.4#
125 64.0 9.2 13.8#



#39
Benzo(a)pyrene
Concen: 0.020 ng
RT: 23.964 min Scan# 3149
Delta R.T. 0.006 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion:252 Resp: 1003
Ion Ratio Lower Upper
252 100
253 81.7 17.6 26.4#
125 85.9 10.2 15.4#

