

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012522\
 Data File : BN018472.D
 Acq On : 25 Jan 2022 22:46
 Operator : CG/JU
 Sample : N1245-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)

Quant Time: Jan 26 04:08:45 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 24 18:25:49 2022
 Response via : Initial Calibration

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

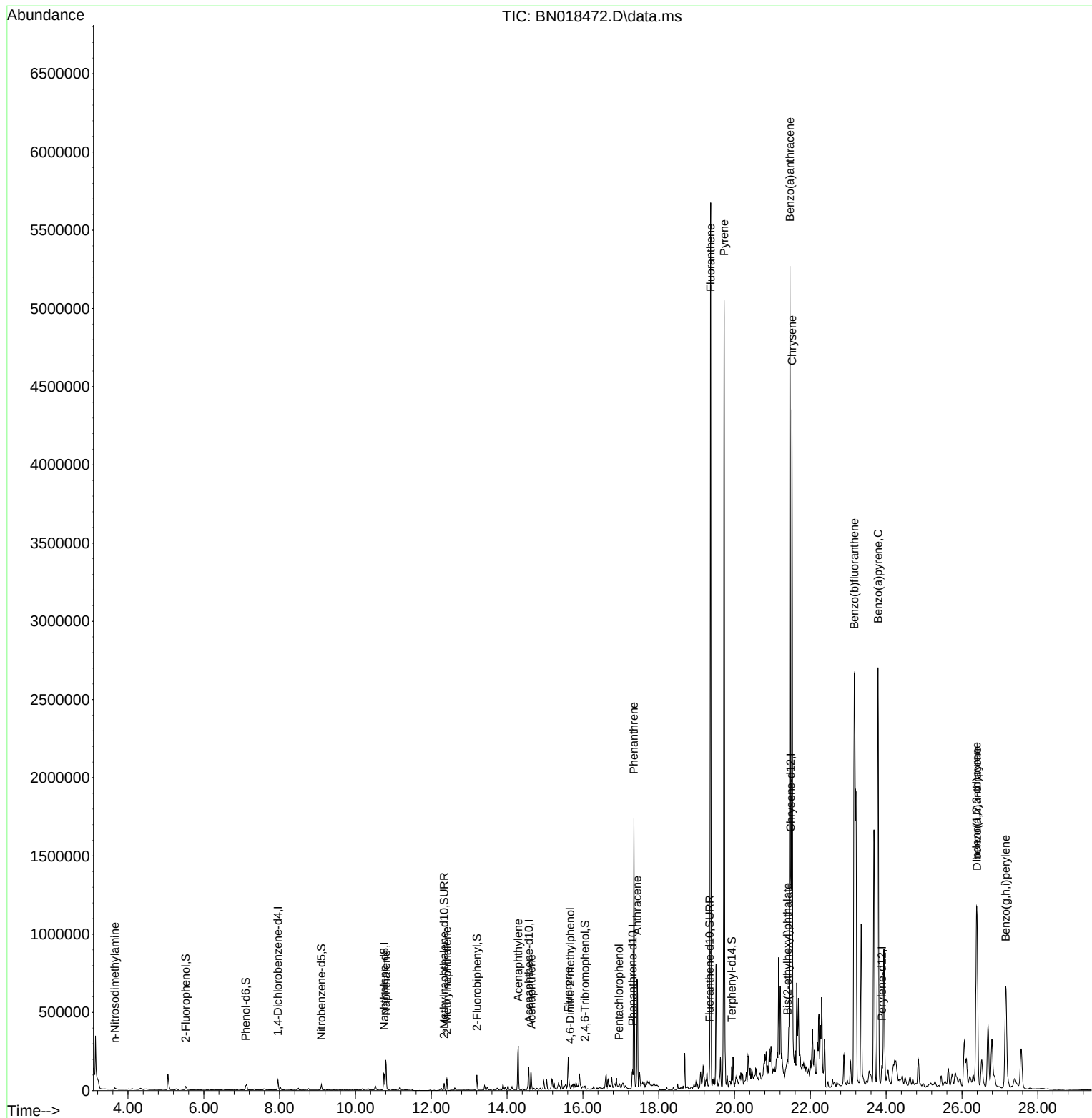
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	33107	0.400	ng	0.00
7) Naphthalene-d8	10.761	136	150403	0.400	ng	# 0.00
13) Acenaphthene-d10	14.573	164	85568	0.400	ng	0.00
19) Phenanthrene-d10	17.310	188	163967	0.400	ng	# 0.00
29) Chrysene-d12	21.482	240	140277	0.400	ng	-0.01
35) Perylene-d12	23.888	264	163383	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.522	112	22788	0.277	ng	0.00
5) Phenol-d6	7.107	99	25955	0.291	ng	0.00
8) Nitrobenzene-d5	9.101	82	27953	0.322	ng	-0.01
11) 2-Methylnaphthalene-d10	12.341	152	59120	0.234	ng	0.00
14) 2,4,6-Tribromophenol	16.056	330	9656	0.374	ng	0.00
15) 2-Fluorobiphenyl	13.203	172	79309	0.258	ng	-0.01
27) Fluoranthene-d10	19.341	212	107218	0.217	ng	0.00
31) Terphenyl-d14	19.927	244	90102	0.207	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.650	42	2980	0.109	ng	# 1
9) Naphthalene	10.799	128	259425	0.709	ng	99
12) 2-Methylnaphthalene	12.412	142	56182	0.220	ng	99
16) Acenaphthylene	14.294	152	325380	1.026	ng	100
17) Acenaphthene	14.637	154	64303	0.285	ng	98
18) Fluorene	15.614	166	135353	0.498	ng	97
20) 4,6-Dinitro-2-methylph...	15.664	198	81	0.084	ng	# 1
24) Pentachlorophenol	16.957	266	83	0.190	ng	# 62
25) Phenanthrene	17.346	178	1726573	3.967	ng	99
26) Anthracene	17.431	178	797820	2.167	ng	99
28) Fluoranthene	19.371	202	5221713	10.980	ng	# 96
30) Pyrene	19.723	202	4834942	8.076	ng	# 93
32) Benzo(a)anthracene	21.461	228	5103015	11.487	ng	94
33) Chrysene	21.514	228	3647163	8.300	ng	97
34) Bis(2-ethylhexyl)phtha...	21.397	149	16716	0.048	ng	94
36) Indeno(1,2,3-cd)pyrene	26.387	276	1994335	6.866	ng	97
37) Benzo(b)fluoranthene	23.159	252	5280832	8.972	ng	# 96
39) Benzo(a)pyrene	23.786	252	4173881	9.690	ng	# 97
40) Dibenzo(a,h)anthracene	26.397	278	619546	2.565	ng	# 90
41) Benzo(g,h,i)perylene	27.154	276	1529397	5.176	ng	# 94

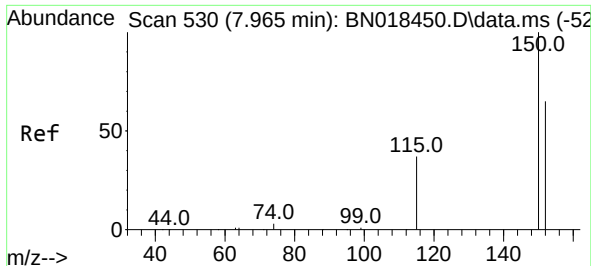
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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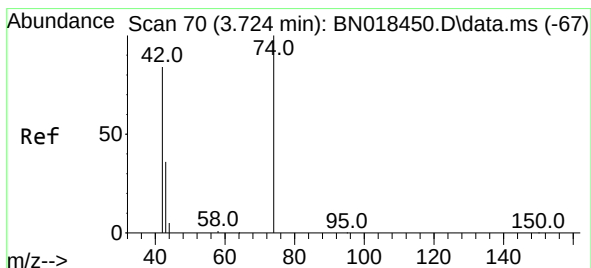
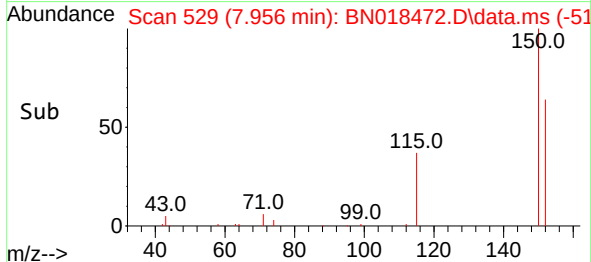
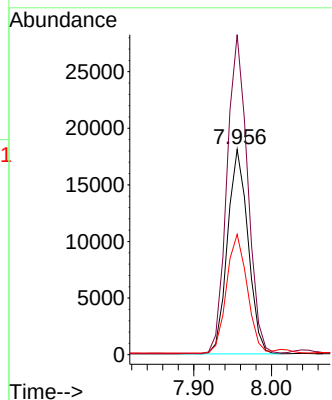
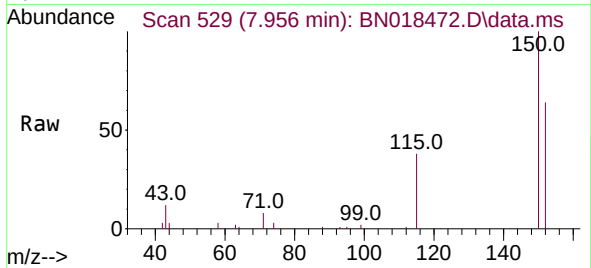




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.956 min Scan# 51
Delta R.T. -0.009 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

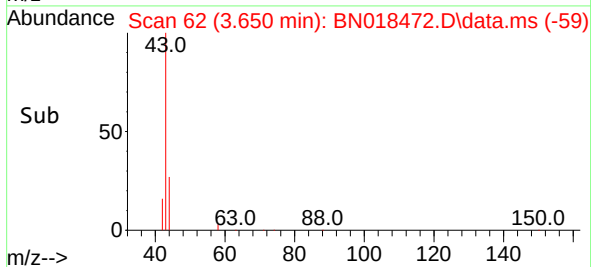
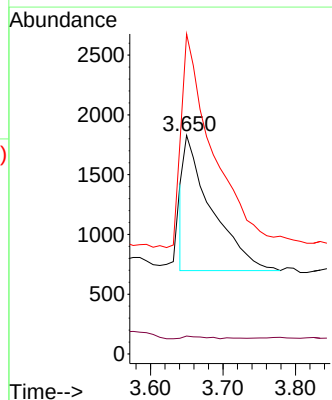
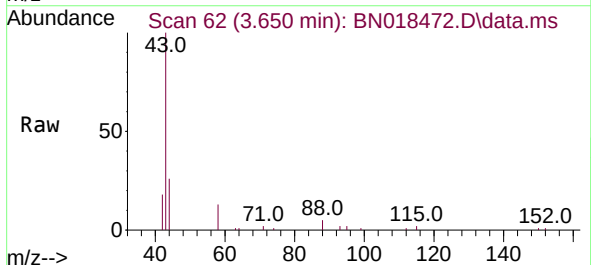
Instrument :
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ClientSampleId :
SB-5(3.5-4)

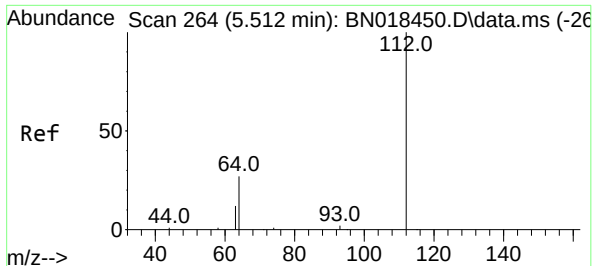
Tgt Ion:152 Resp: 33107
Ion Ratio Lower Upper
152 100
150 155.8 121.7 182.5
115 58.6 43.8 65.8



#3
n-Nitrosodimethylamine
Concen: 0.109 ng
RT: 3.650 min Scan# 62
Delta R.T. -0.074 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion: 42 Resp: 2980
Ion Ratio Lower Upper
42 100
74 1.3 108.6 163.0#
44 160.2 5.8 8.8#

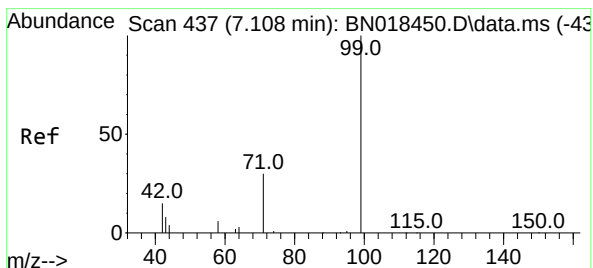
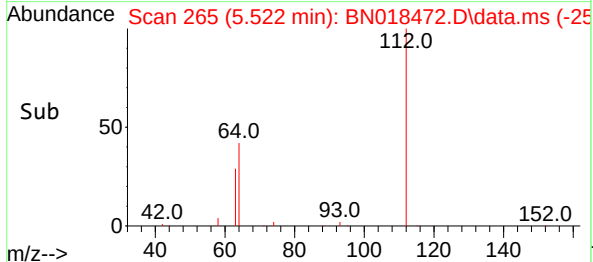
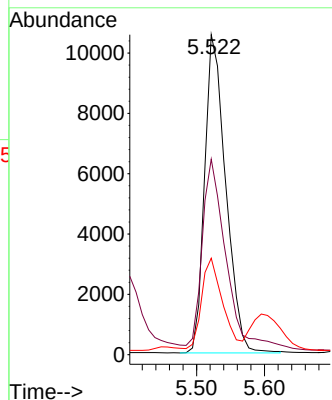
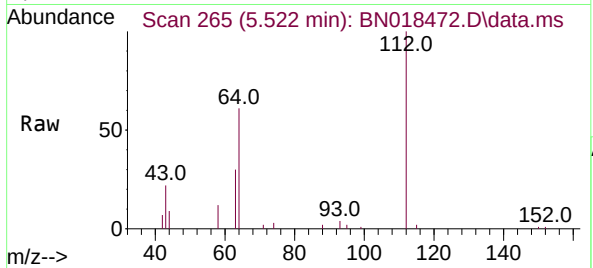




#4
2-Fluorophenol
Concen: 0.277 ng
RT: 5.522 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

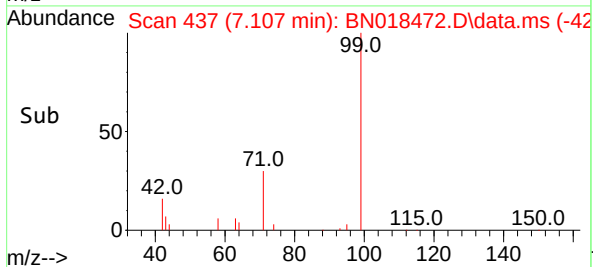
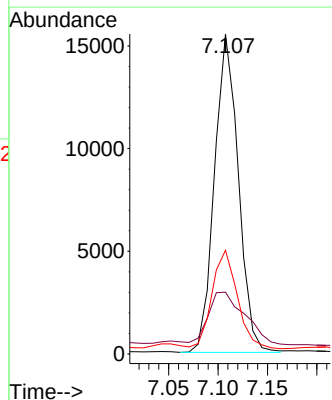
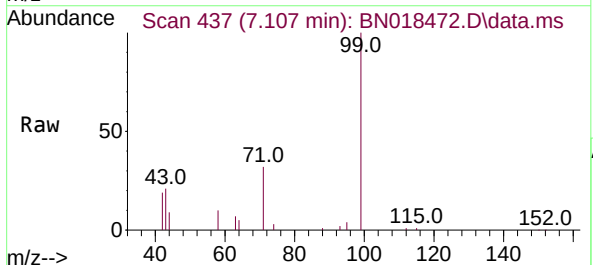
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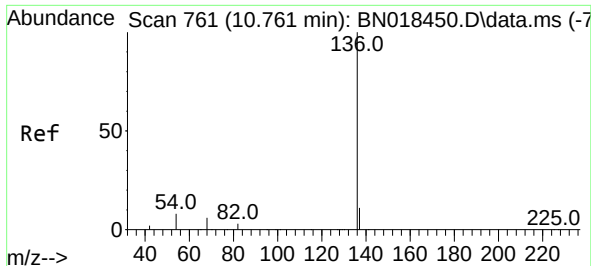
Tgt Ion:112 Resp: 22788
Ion Ratio Lower Upper
112 100
64 62.2 48.0 72.0
63 27.9 25.3 37.9



#5
Phenol-d6
Concen: 0.291 ng
RT: 7.107 min Scan# 437
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion: 99 Resp: 25955
Ion Ratio Lower Upper
99 100
42 25.6 16.3 24.5#
71 32.9 26.8 40.2

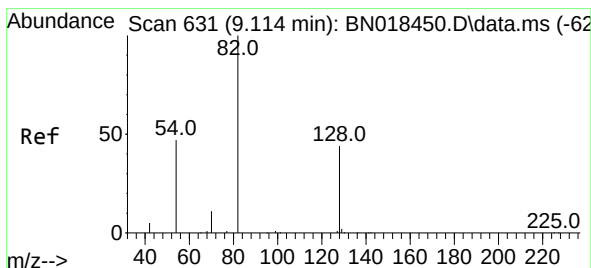
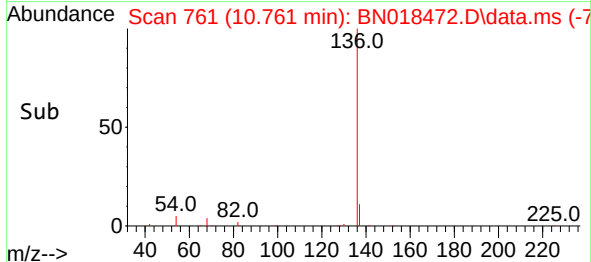
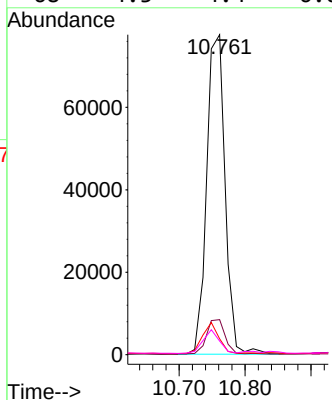
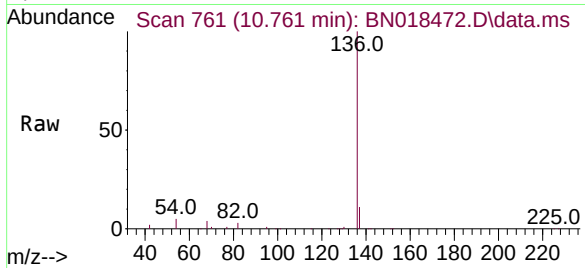




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.761 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

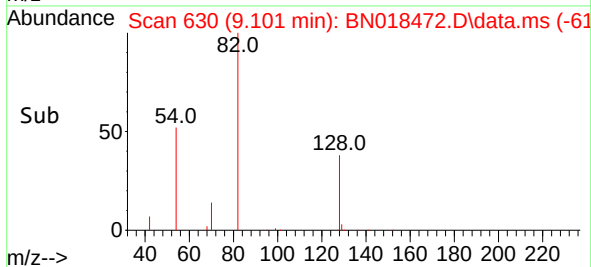
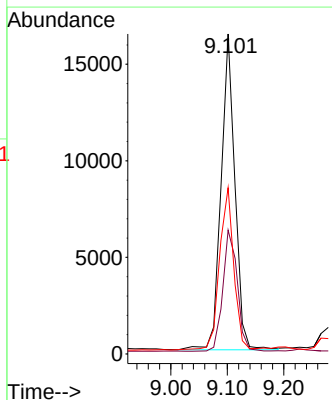
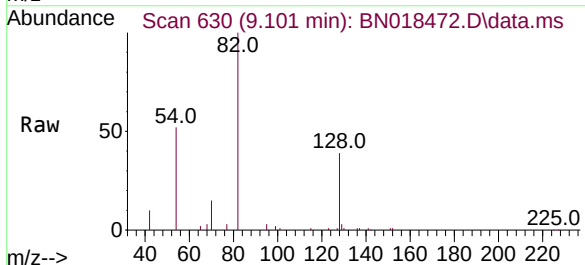
Instrument :
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ClientSampleId :
SB-5(3.5-4)

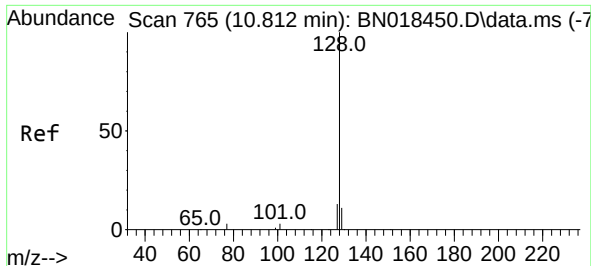
Tgt Ion:136 Resp: 150403
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 4.9 5.0 7.6#
68 4.3 4.4 6.6#



#8
Nitrobenzene-d5
Concen: 0.322 ng
RT: 9.101 min Scan# 630
Delta R.T. -0.013 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion: 82 Resp: 27953
Ion Ratio Lower Upper
82 100
128 38.7 33.7 50.5
54 52.0 36.6 55.0

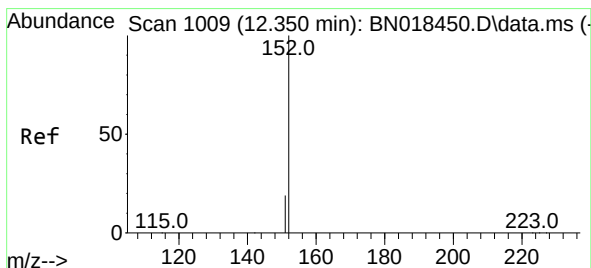
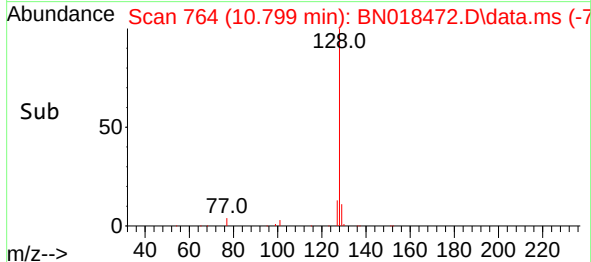
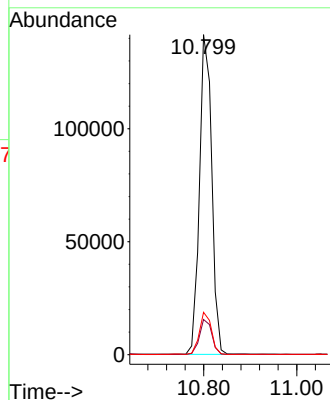
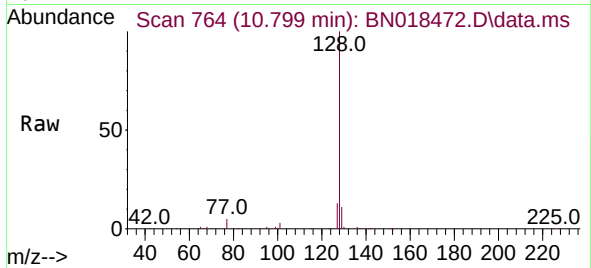




#9
Naphthalene
Concen: 0.709 ng
RT: 10.799 min Scan# 70
Delta R.T. -0.013 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

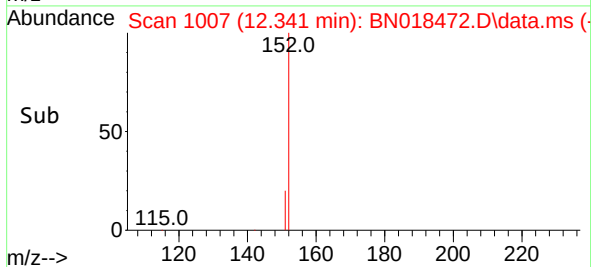
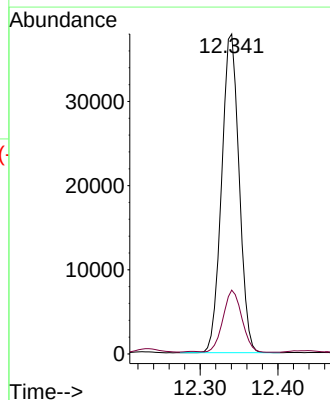
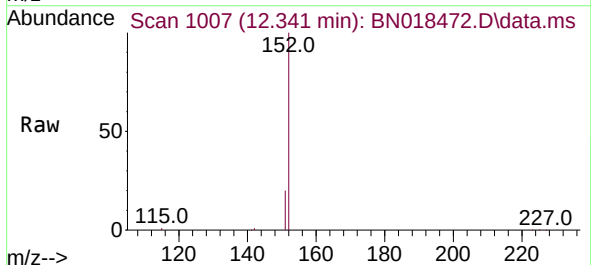
Instrument :
BNA_N
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SB-5(3.5-4)

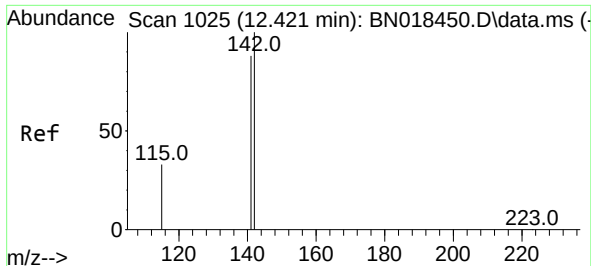
Tgt Ion:128 Resp: 259425
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.3 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.234 ng
RT: 12.341 min Scan# 1007
Delta R.T. -0.009 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:152 Resp: 59120
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.2

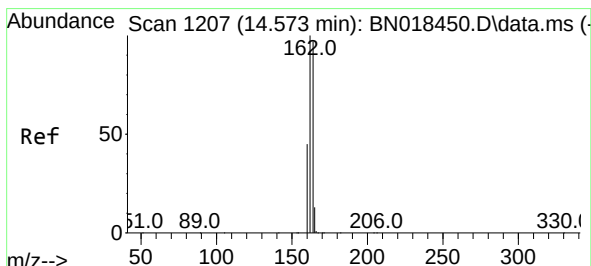
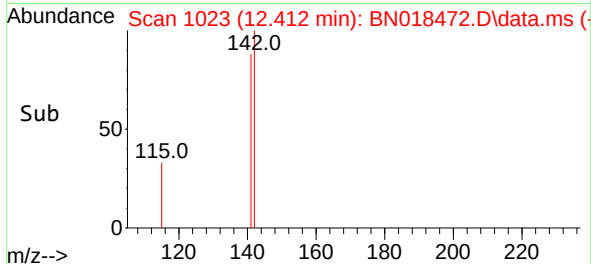
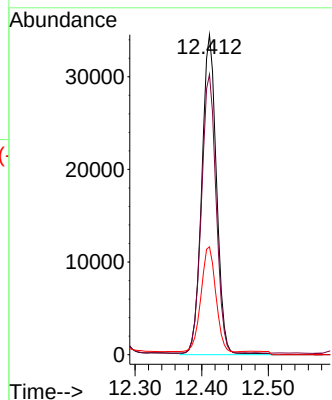
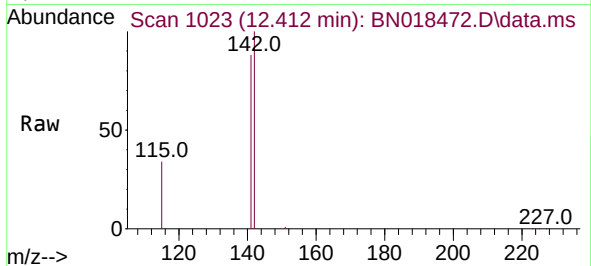




#12
2-Methylnaphthalene
Concen: 0.220 ng
RT: 12.412 min Scan# 1023
Delta R.T. -0.009 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

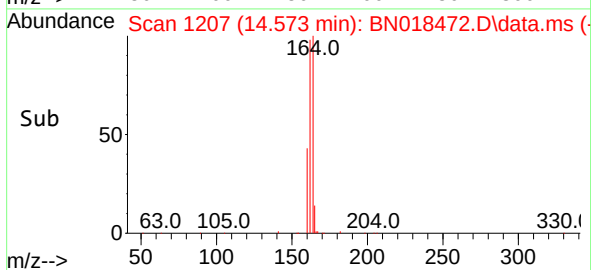
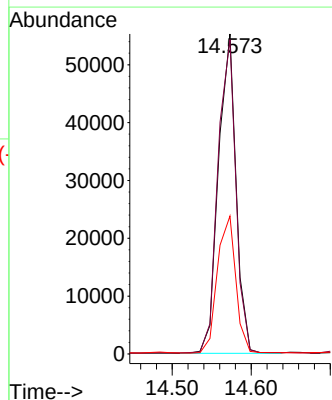
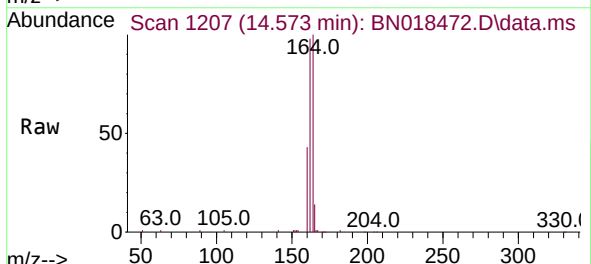
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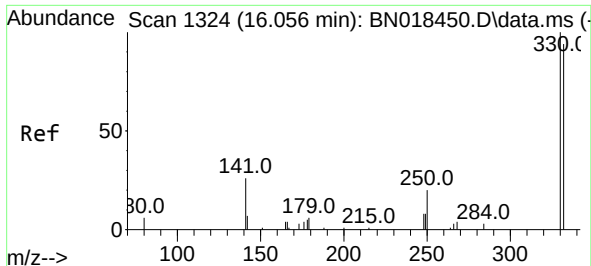
Tgt Ion:142 Resp: 56182
Ion Ratio Lower Upper
142 100
141 87.6 70.0 105.0
115 33.7 27.8 41.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.573 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:164 Resp: 85568
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 43.1 36.9 55.3

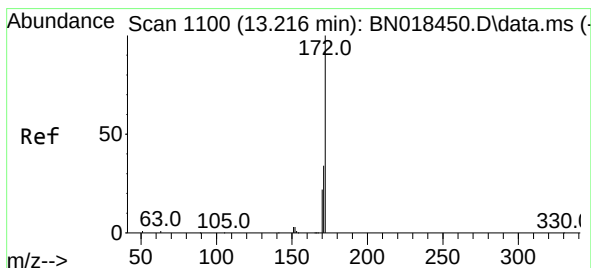
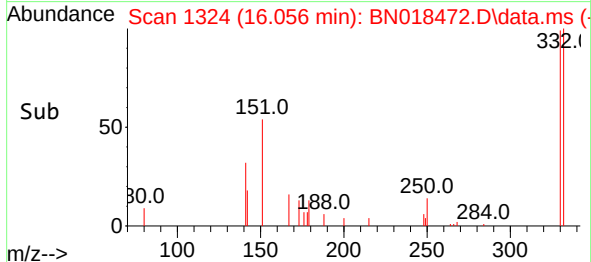
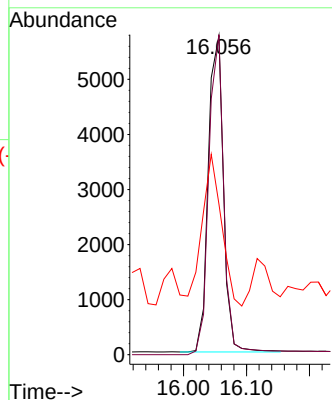
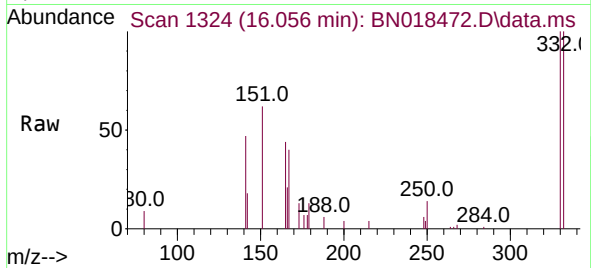




#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 16.056 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

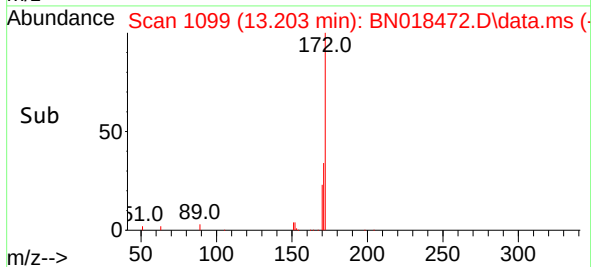
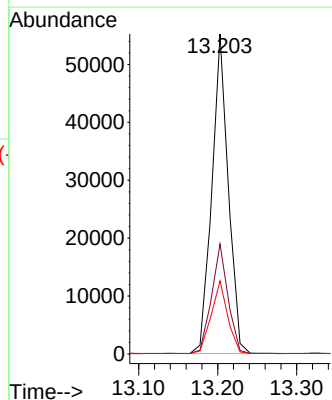
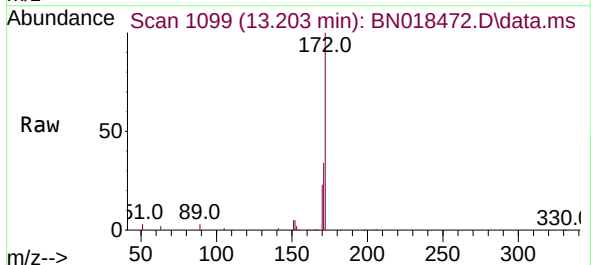
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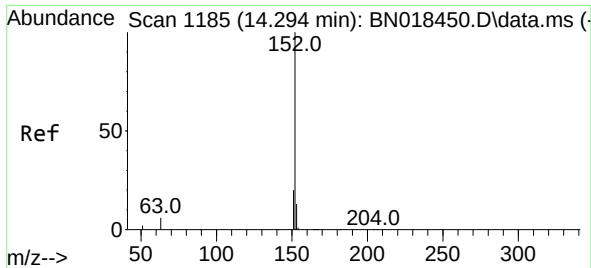
Tgt Ion:330 Resp: 9656
Ion Ratio Lower Upper
330 100
332 101.5 0.0 0.0#
141 60.5 21.3 31.9#



#15
2-Fluorobiphenyl
Concen: 0.258 ng
RT: 13.203 min Scan# 1099
Delta R.T. -0.013 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:172 Resp: 79309
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 22.9 18.4 27.6

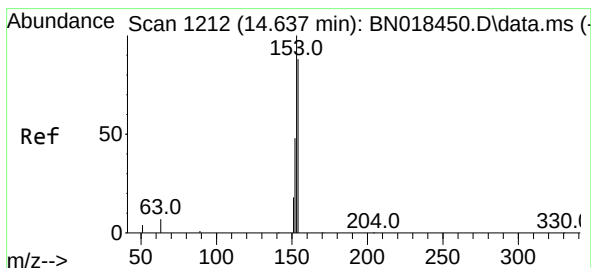
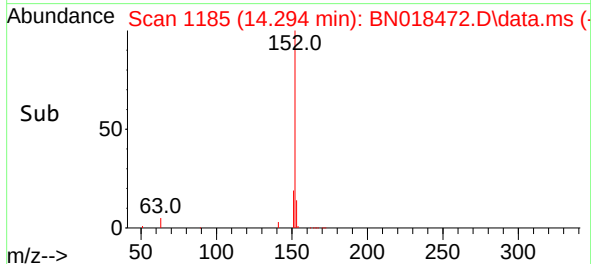
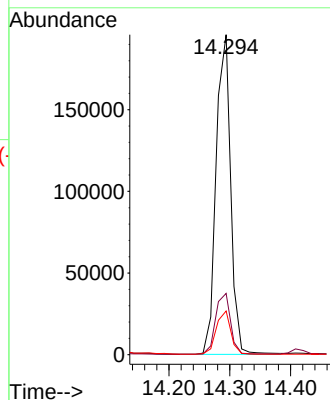
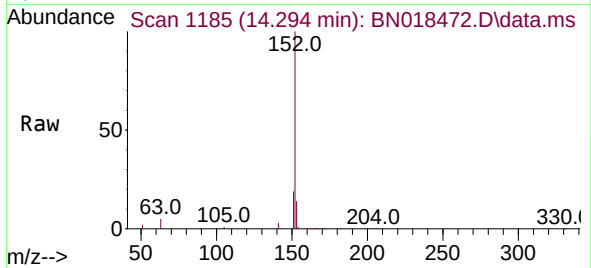




#16
Acenaphthylene
Concen: 1.026 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

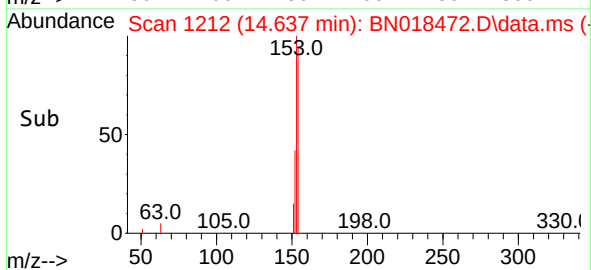
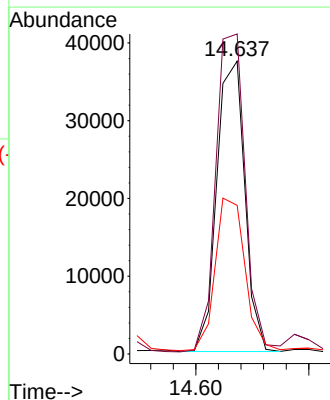
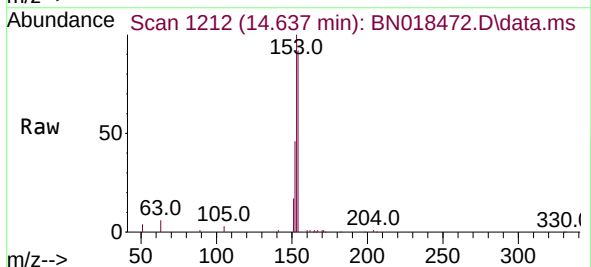
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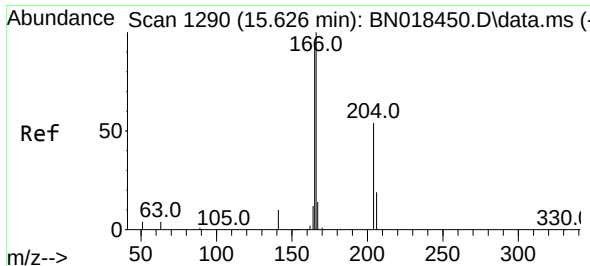
Tgt Ion:152 Resp: 325380
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.5 10.5 15.7



#17
Acenaphthene
Concen: 0.285 ng
RT: 14.637 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:154 Resp: 64303
Ion Ratio Lower Upper
154 100
153 115.6 90.9 136.3
152 57.1 45.0 67.4

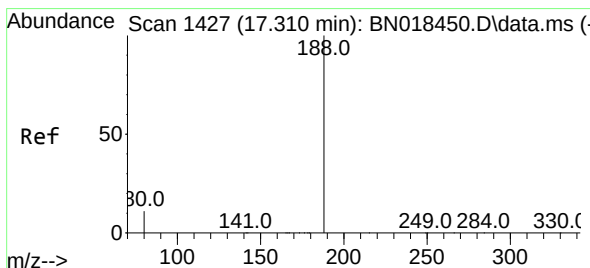
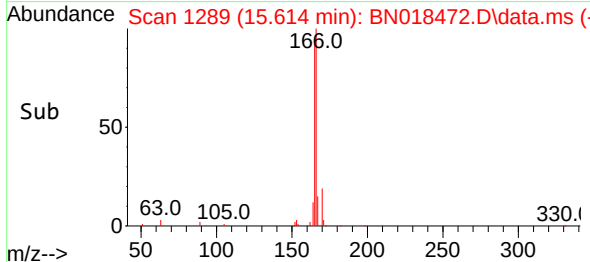
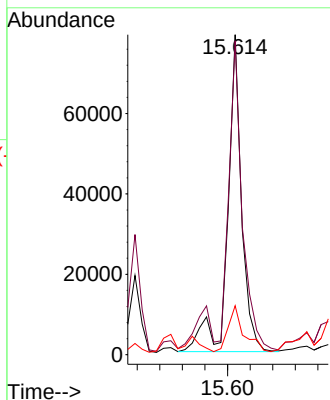
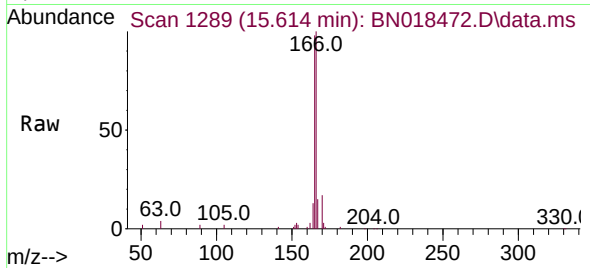




#18
Fluorene
Concen: 0.498 ng
RT: 15.614 min Scan# 1289
Delta R.T. -0.013 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

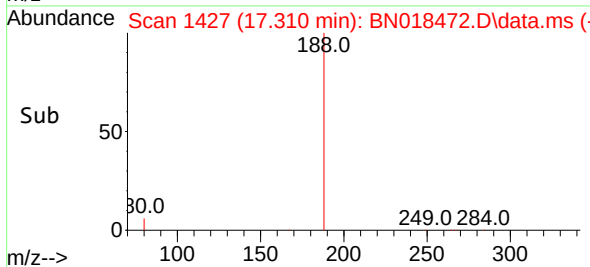
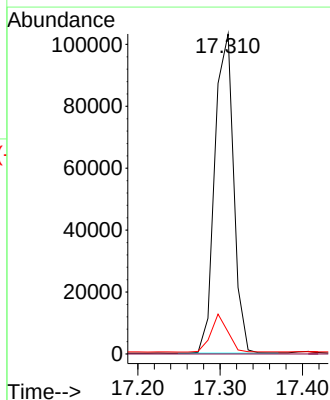
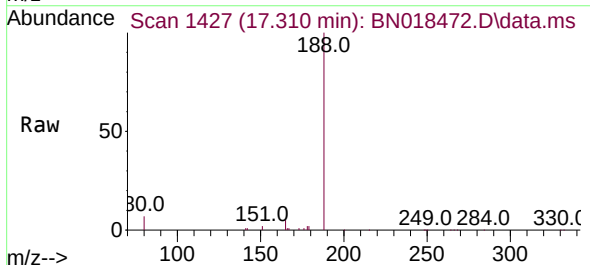
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)

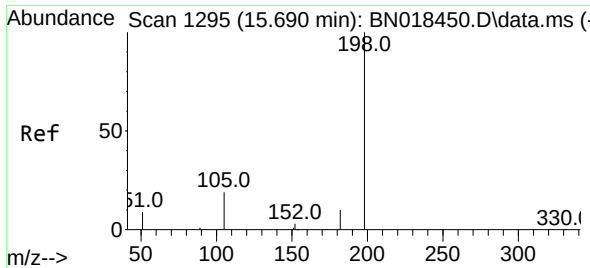
Tgt Ion:166 Resp: 135353
Ion Ratio Lower Upper
166 100
165 94.2 77.8 116.6
167 16.2 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.310 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:188 Resp: 163967
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.9 7.0 10.4

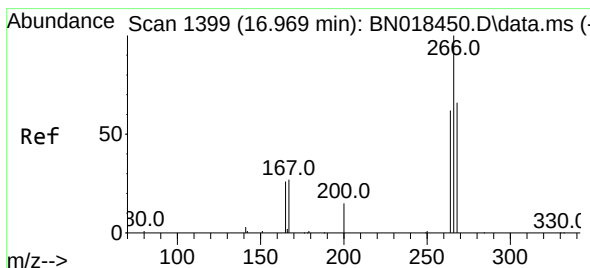
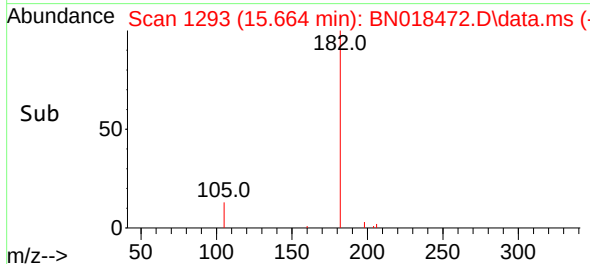
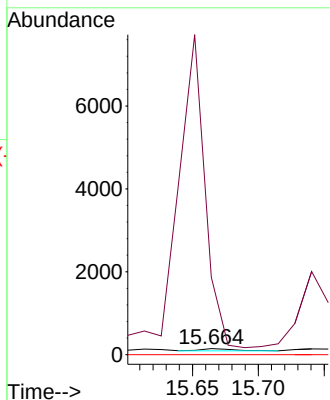
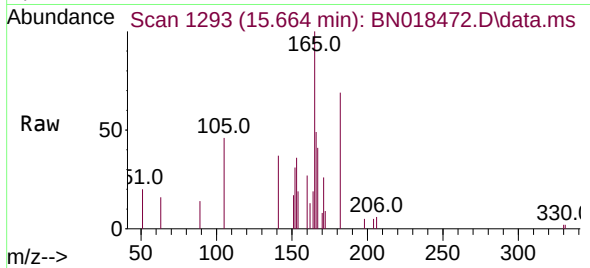




#20
4,6-Dinitro-2-methylphenol
Concen: 0.084 ng
RT: 15.664 min Scan# 11
Delta R.T. -0.026 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

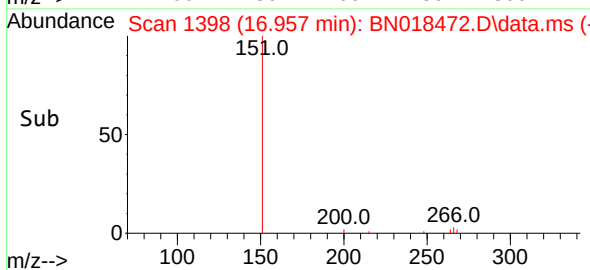
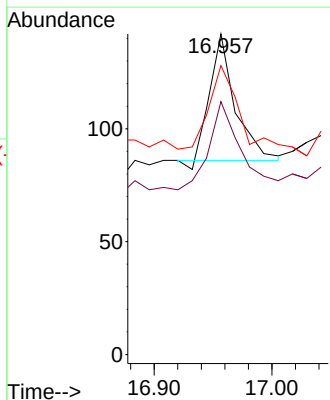
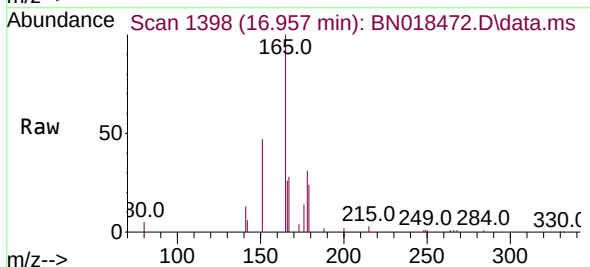
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)

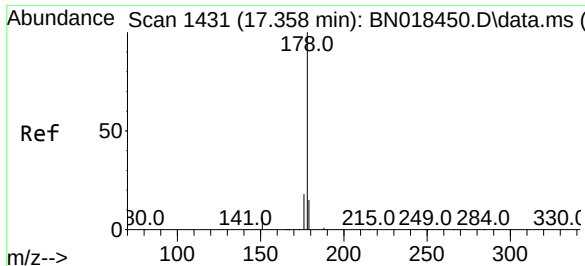
Tgt Ion:198 Resp: 81
Ion Ratio Lower Upper
198 100
182 1289.7 15.5 23.3#
77 0.0 0.0 0.0



#24
Pentachlorophenol
Concen: 0.190 ng
RT: 16.957 min Scan# 1398
Delta R.T. -0.012 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:266 Resp: 83
Ion Ratio Lower Upper
266 100
264 88.0 49.5 74.3#
268 96.4 50.6 76.0#

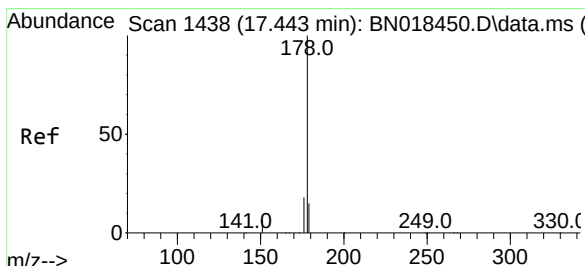
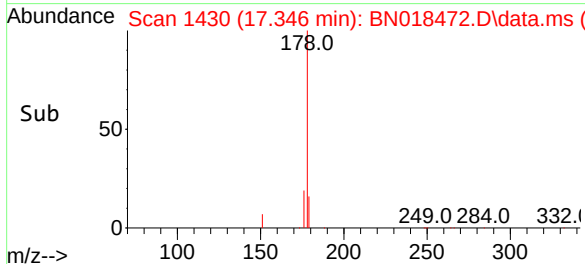
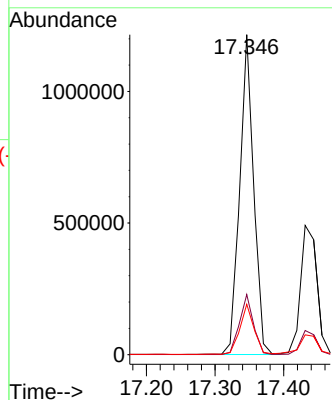
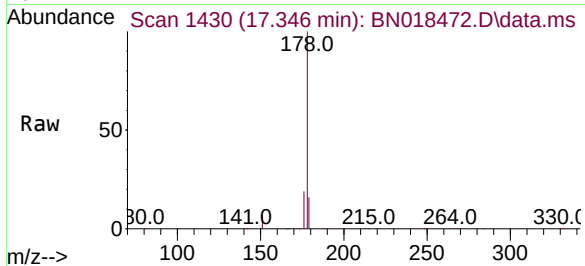




#25
Phenanthrene
Concen: 3.967 ng
RT: 17.346 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

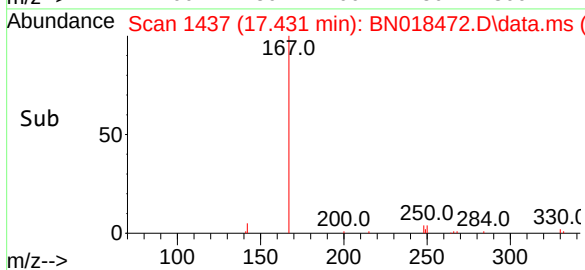
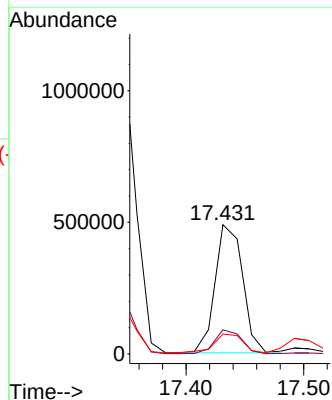
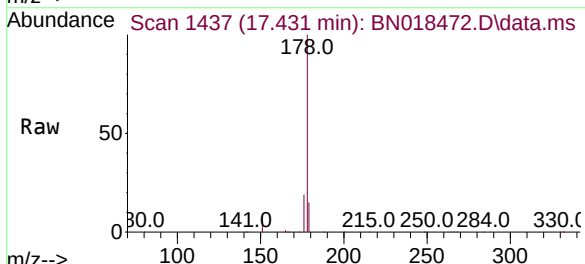
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)

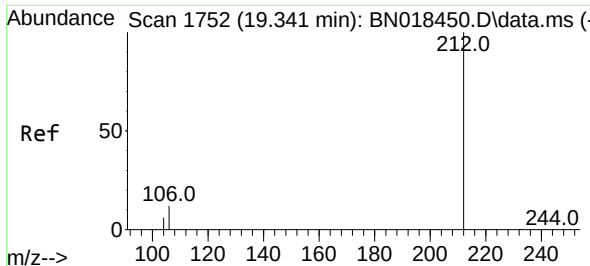
Tgt Ion:178 Resp: 1726573
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.9 12.3 18.5



#26
Anthracene
Concen: 2.167 ng
RT: 17.431 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:178 Resp: 797820
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 15.8 12.2 18.4

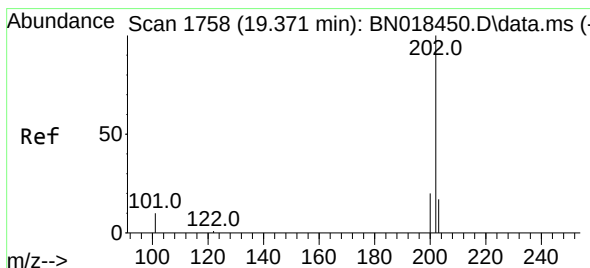
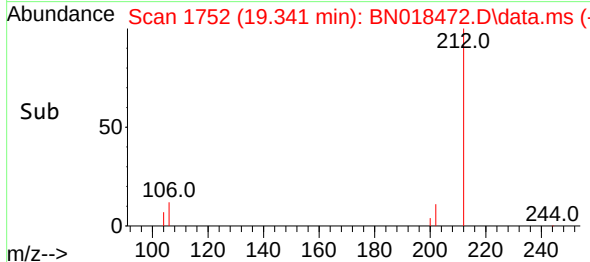
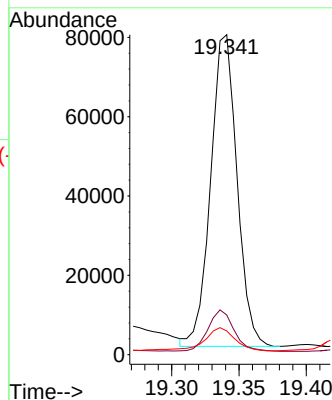
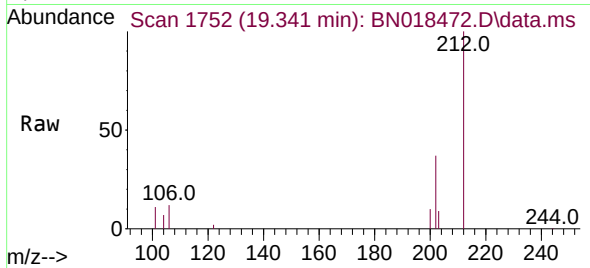




#27
Fluoranthene-d10
Concen: 0.217 ng
RT: 19.341 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

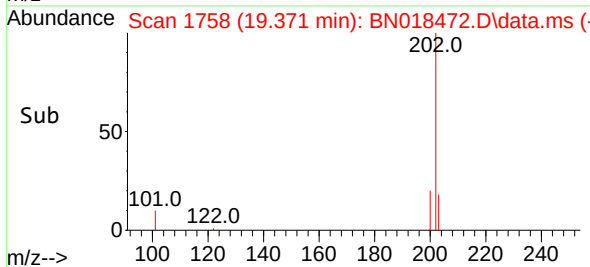
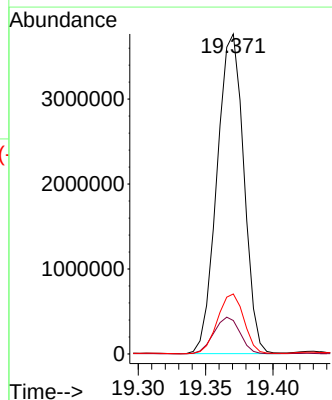
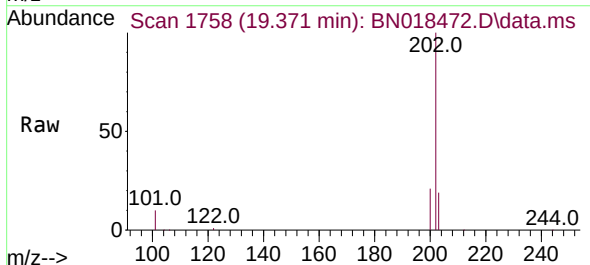
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)

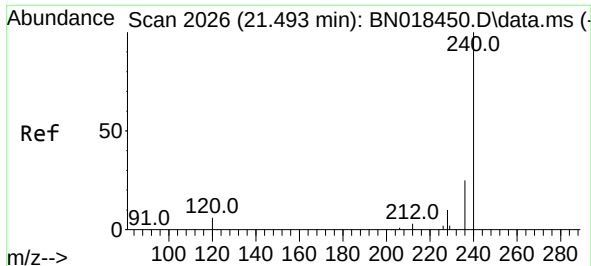
Tgt Ion:212 Resp: 107218
Ion Ratio Lower Upper
212 100
106 13.2 8.4 12.6#
104 8.8 4.5 6.7#



#28
Fluoranthene
Concen: 10.980 ng
RT: 19.371 min Scan# 1758
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:202 Resp: 5221713
Ion Ratio Lower Upper
202 100
101 11.2 7.2 10.8#
203 18.5 13.7 20.5

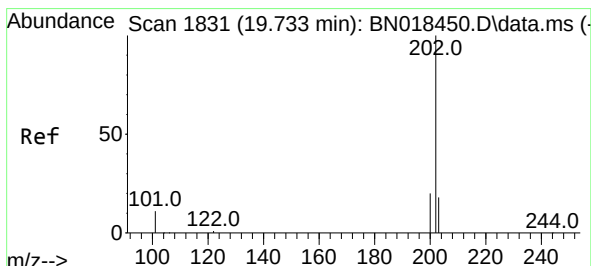
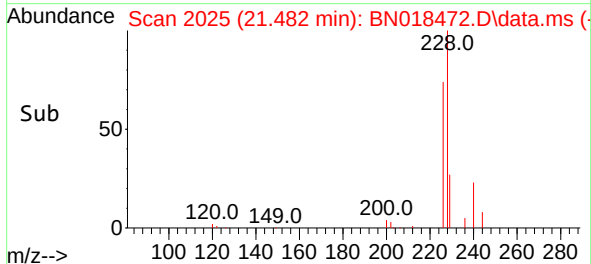
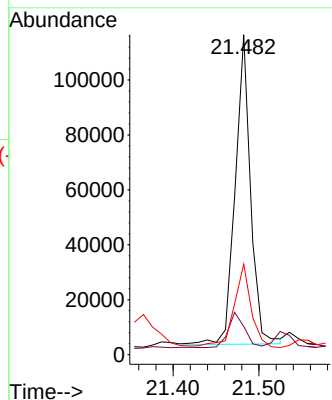
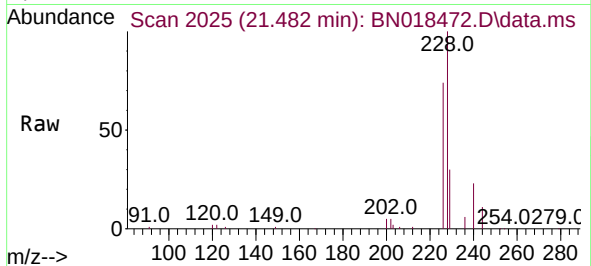




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.482 min Scan# 20
Delta R.T. -0.011 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

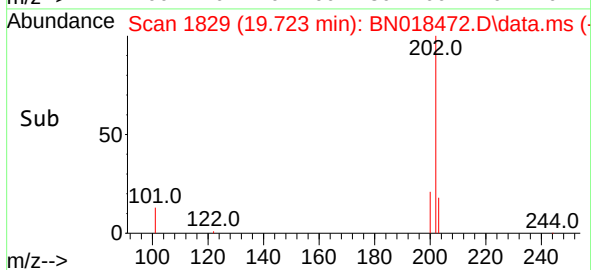
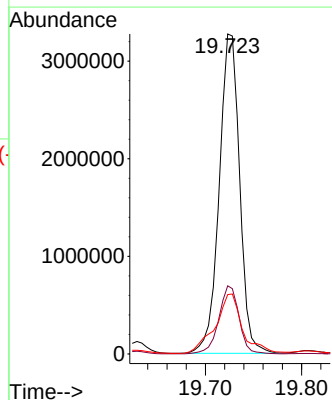
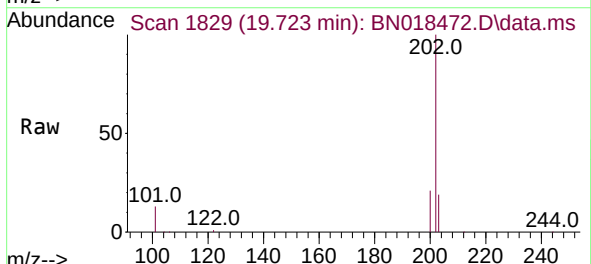
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)

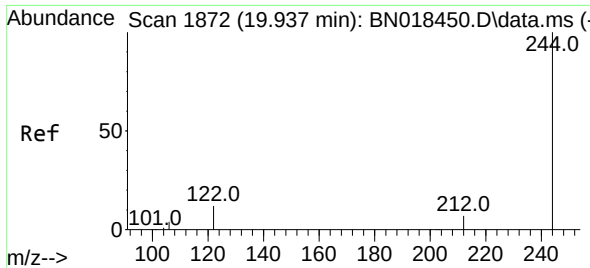
Tgt Ion:240 Resp: 140277
Ion Ratio Lower Upper
240 100
120 8.9 6.0 9.0
236 28.3 21.4 32.2



#30
Pyrene
Concen: 8.076 ng
RT: 19.723 min Scan# 1829
Delta R.T. -0.010 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:202 Resp: 4834942
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 24.6 14.1 21.1#

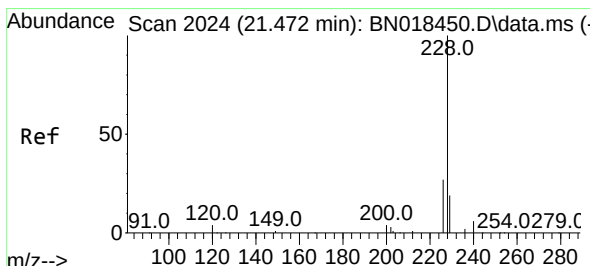
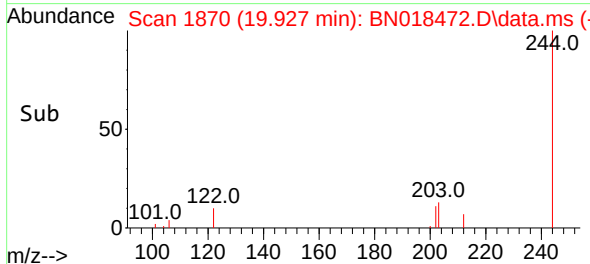
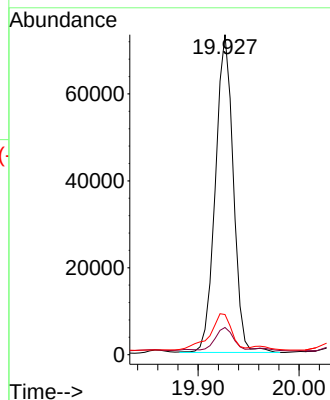
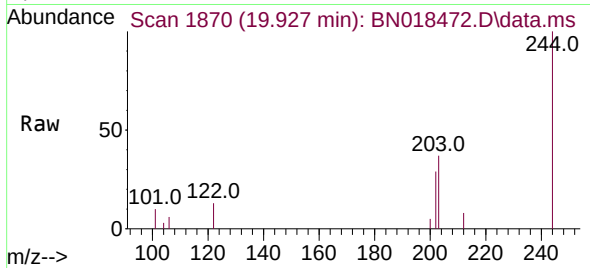




#31
Terphenyl-d14
Concen: 0.207 ng
RT: 19.927 min Scan# 1872
Delta R.T. -0.010 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

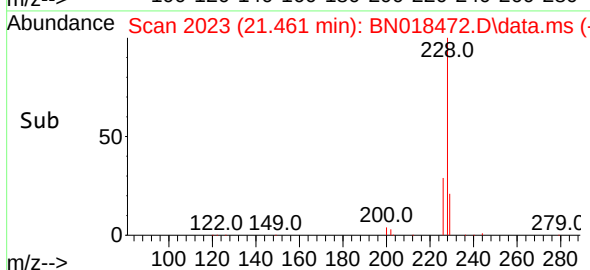
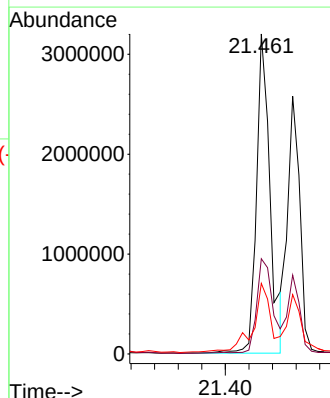
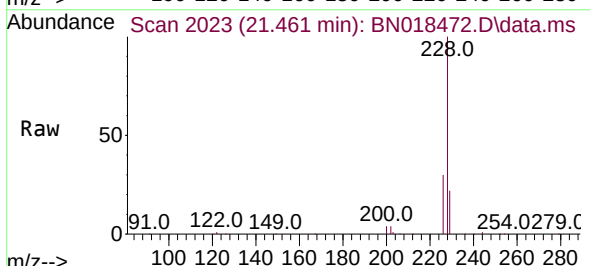
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)

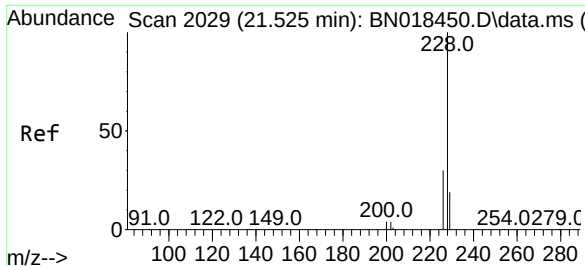
Tgt Ion:244 Resp: 90102
Ion Ratio Lower Upper
244 100
212 8.5 6.2 9.2
122 12.6 7.9 11.9#



#32
Benzo(a)anthracene
Concen: 11.487 ng
RT: 21.461 min Scan# 2023
Delta R.T. -0.011 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:228 Resp: 5103015
Ion Ratio Lower Upper
228 100
226 29.7 21.3 31.9
229 22.1 15.9 23.9





#33

Chrysene

Concen: 8.300 ng

RT: 21.514 min Scan# 2017

Delta R.T. -0.011 min

Lab File: BN018472.D

Acq: 25 Jan 2022 22:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)

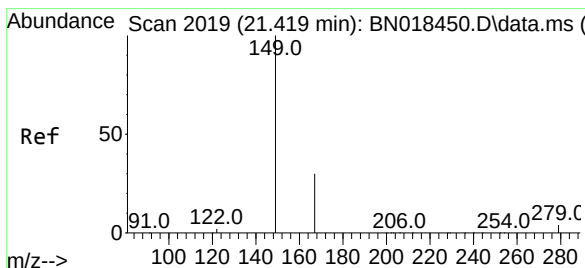
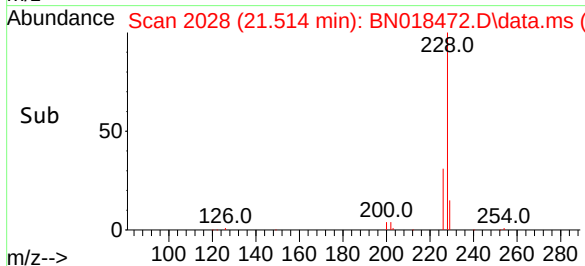
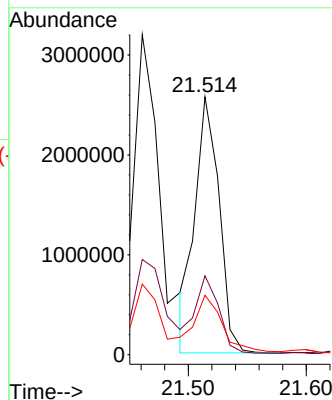
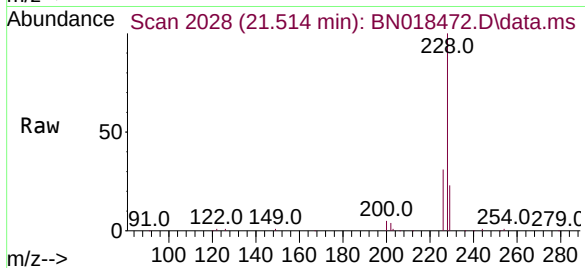
Tgt Ion:228 Resp: 3647163

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

229 23.0 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.048 ng

RT: 21.397 min Scan# 2017

Delta R.T. -0.021 min

Lab File: BN018472.D

Acq: 25 Jan 2022 22:46

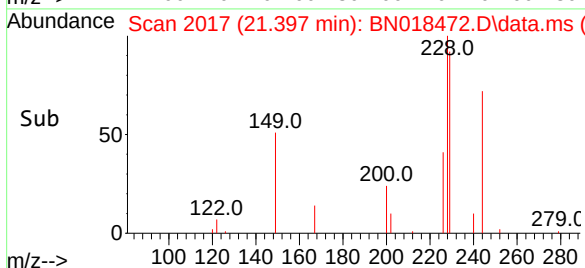
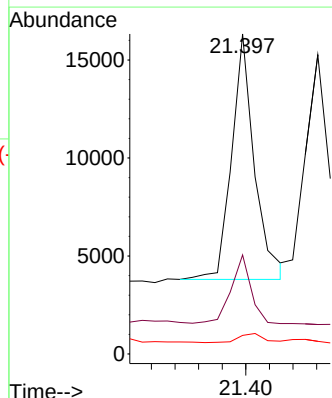
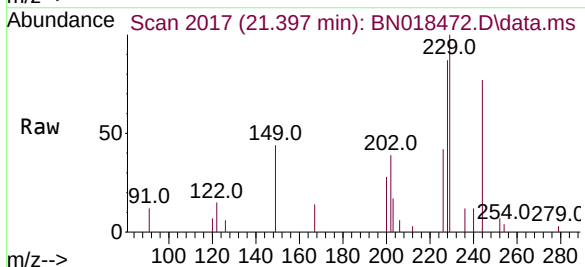
Tgt Ion:149 Resp: 16716

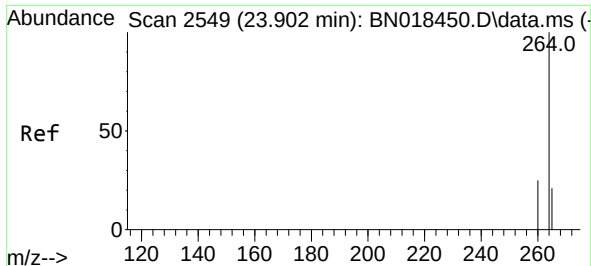
Ion Ratio Lower Upper

149 100

167 26.1 23.7 35.5

279 4.0 3.6 5.4

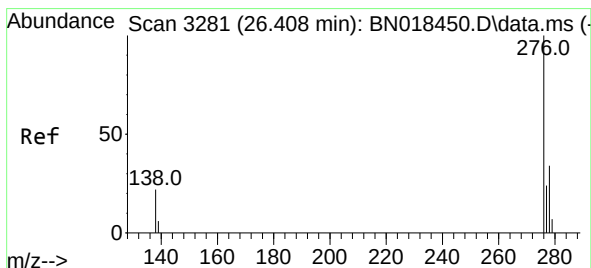
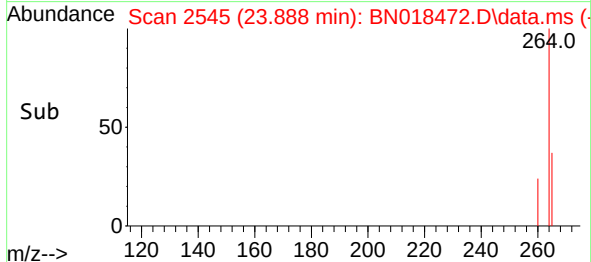
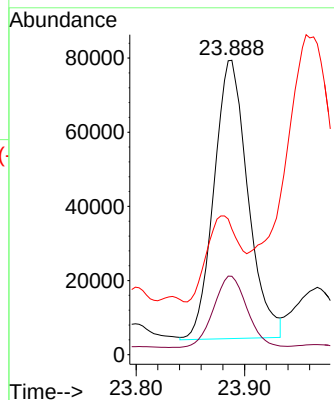
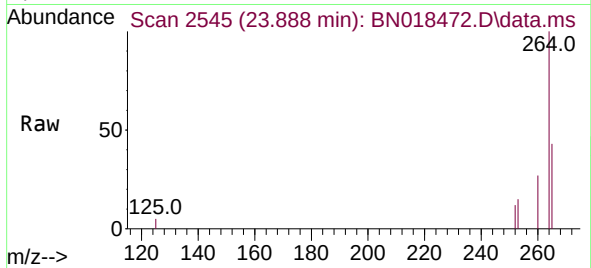




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.888 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BN018472.D
 Acq: 25 Jan 2022 22:46

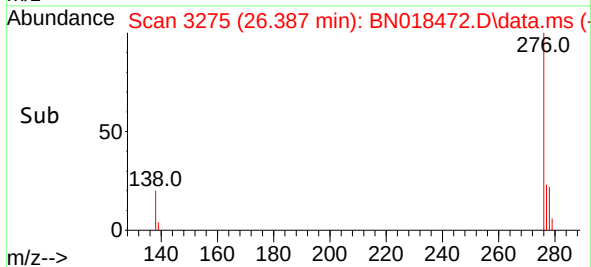
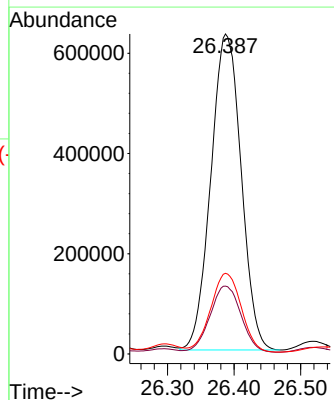
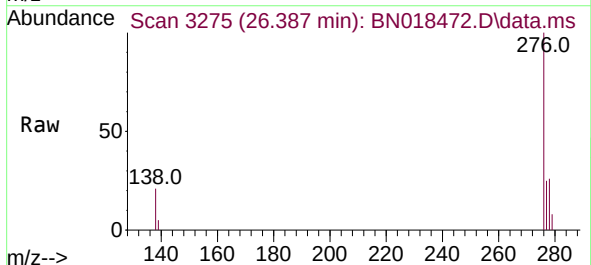
Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)

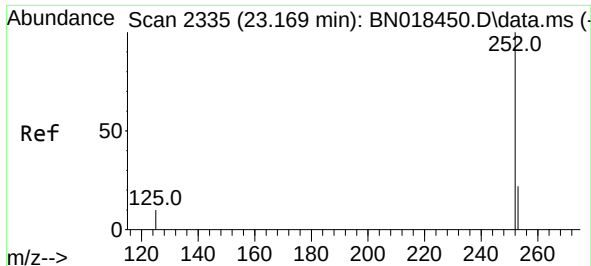
Tgt Ion:264 Resp: 163383
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.2 30.4
 265 42.7 18.2 27.2#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 6.866 ng
 RT: 26.387 min Scan# 3275
 Delta R.T. -0.021 min
 Lab File: BN018472.D
 Acq: 25 Jan 2022 22:46

Tgt Ion:276 Resp: 1994335
 Ion Ratio Lower Upper
 276 100
 138 21.4 14.9 22.3
 277 25.3 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 8.972 ng

RT: 23.159 min Scan# 21

Delta R.T. -0.010 min

Lab File: BN018472.D

Acq: 25 Jan 2022 22:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)

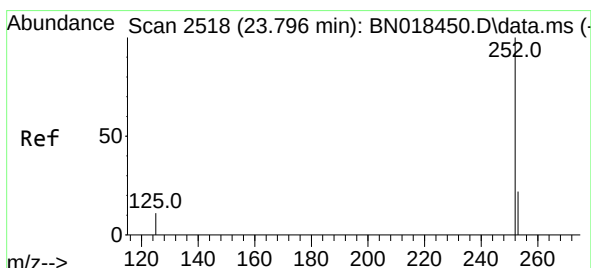
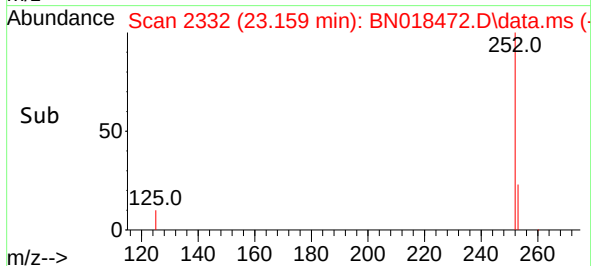
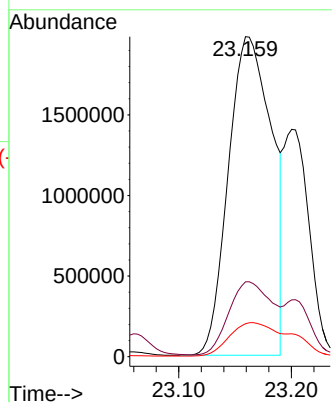
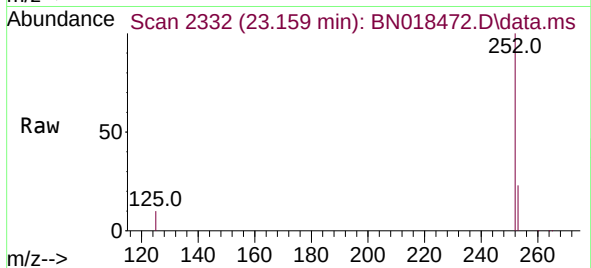
Tgt Ion:252 Resp: 5280832

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 10.3 6.0 9.0#



#39

Benzo(a)pyrene

Concen: 9.690 ng

RT: 23.786 min Scan# 2515

Delta R.T. -0.010 min

Lab File: BN018472.D

Acq: 25 Jan 2022 22:46

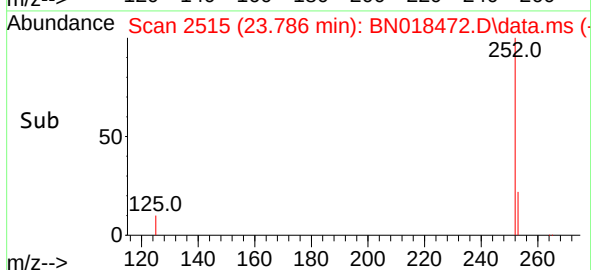
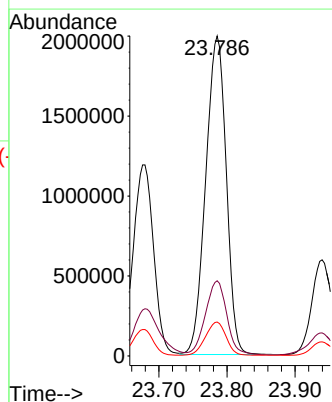
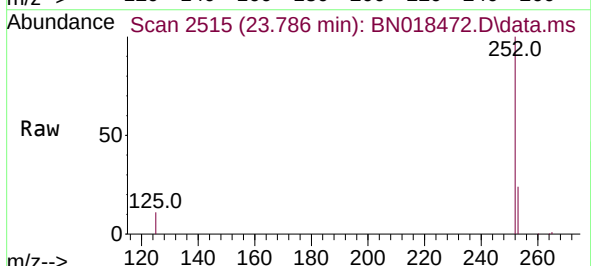
Tgt Ion:252 Resp: 4173881

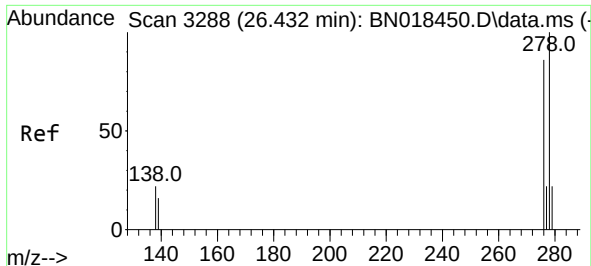
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 10.6 7.0 10.4#

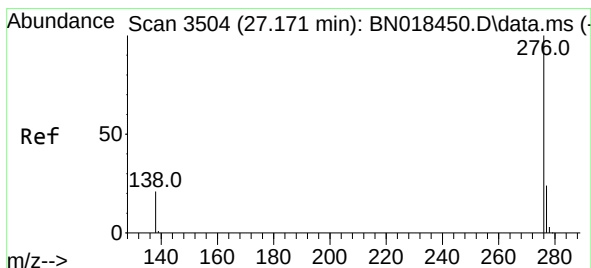
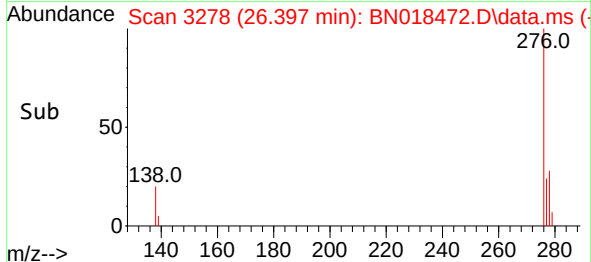
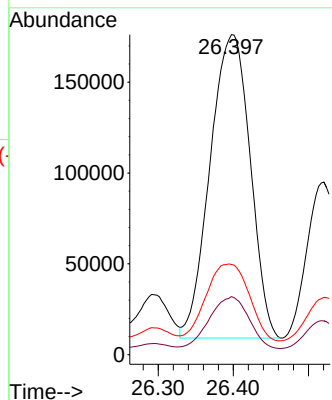
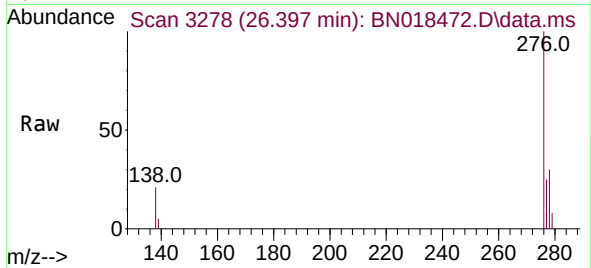




#40
Dibenzo(a,h)anthracene
Concen: 2.565 ng
RT: 26.397 min Scan# 31
Delta R.T. -0.035 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)

Tgt Ion:278 Resp: 619546
Ion Ratio Lower Upper
278 100
139 18.2 10.8 16.2#
279 28.2 19.0 28.4



#41
Benzo(g,h,i)perylene
Concen: 5.176 ng
RT: 27.154 min Scan# 3499
Delta R.T. -0.017 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:276 Resp: 1529397
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 21.3 12.6 19.0#

