

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100821\
 Data File : BN016876.D
 Acq On : 09 Oct 2021 11:36
 Operator : CG/JU
 Sample : M3966-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-830-J-SO-2-2.5-092721

Quant Time: Oct 11 01:02:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 15:46:07 2021
 Response via : Initial Calibration

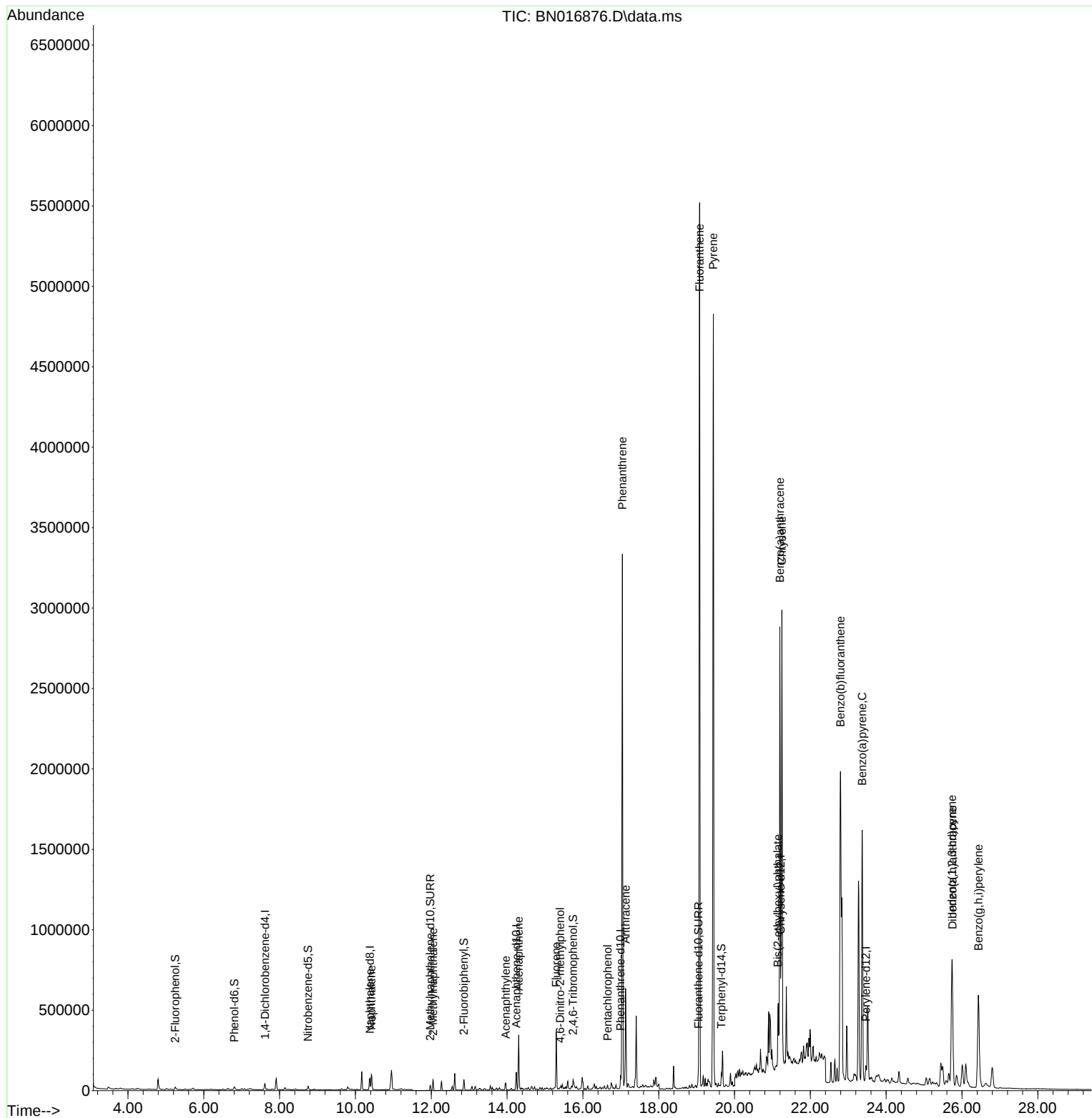
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	22313	0.400	ng	0.00
7) Naphthalene-d8	10.381	136	102660	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	58314	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	116312	0.400	ng	#-0.01
29) Chrysene-d12	21.217	240	116844	0.400	ng	# 0.01
35) Perylene-d12	23.464	264	124203	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.245	112	16595	0.298	ng	0.00
5) Phenol-d6	6.803	99	17921	0.283	ng	0.00
8) Nitrobenzene-d5	8.746	82	21189	0.295	ng	-0.01
11) 2-Methylnaphthalene-d10	11.972	152	44803	0.293	ng	0.00
14) 2,4,6-Tribromophenol	15.741	330	9920	0.329	ng	-0.01
15) 2-Fluorobiphenyl	12.860	172	56584	0.240	ng	-0.01
27) Fluoranthene-d10	19.043	212	89258	0.276	ng	0.00
31) Terphenyl-d14	19.654	244	74005	0.290	ng	0.00
Target Compounds						
9) Naphthalene	10.419	128	125726	0.450	ng	99
12) 2-Methylnaphthalene	12.047	142	46886	0.262	ng	100
16) Acenaphthylene	13.964	152	48020	0.187	ng	96
17) Acenaphthene	14.307	154	166491	0.973	ng	99
18) Fluorene	15.296	166	214546	1.032	ng	98
20) 4,6-Dinitro-2-methylph...	15.398	198	120	0.211	ng	# 1
24) Pentachlorophenol	16.653	266	1169	0.134	ng	98
25) Phenanthrene	17.042	178	3360616	9.728	ng	99
26) Anthracene	17.127	178	618614	2.016	ng	# 93
28) Fluoranthene	19.078	202	5280318	13.611	ng	98
30) Pyrene	19.440	202	4620300	12.860	ng	# 92
32) Benzo(a)anthracene	21.196	228	2423074	6.705	ng	98
33) Chrysene	21.249	228	2556936	6.948	ng	97
34) Bis(2-ethylhexyl)phtha...	21.142	149	374427	2.039	ng	98
36) Indeno(1,2,3-cd)pyrene	25.737	276	1285354	2.733	ng	97
37) Benzo(b)fluoranthene	22.793	252	3394920	8.635	ng	97
39) Benzo(a)pyrene	23.368	252	2292866	6.383	ng	98
40) Dibenzo(a,h)anthracene	25.747	278	304605	0.791	ng	# 89
41) Benzo(g,h,i)perylene	26.432	276	1202281	2.939	ng	98

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

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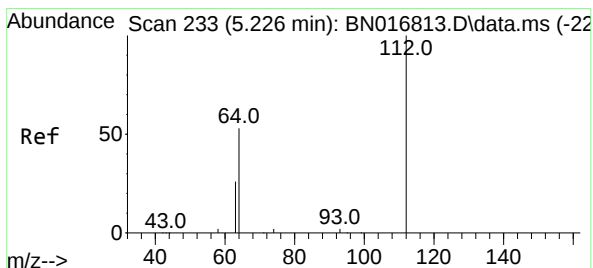
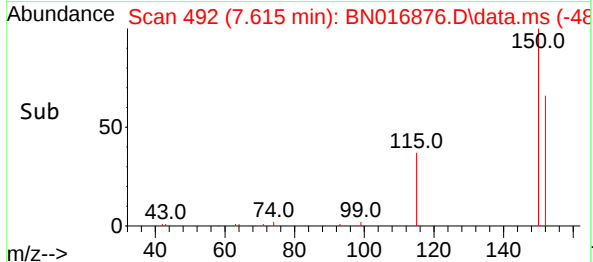
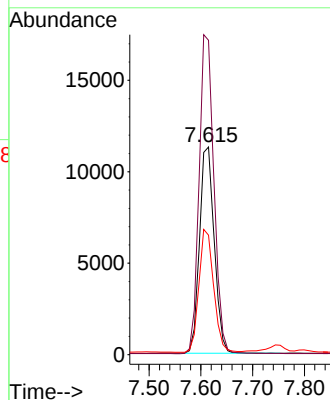
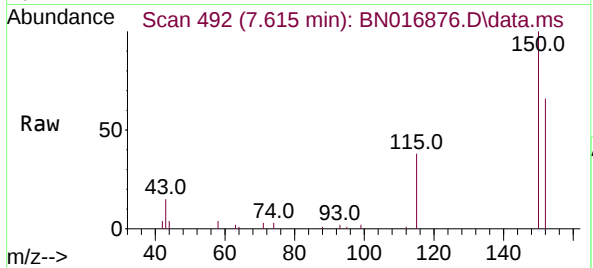




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.615 min Scan# 492
Delta R.T. 0.001 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

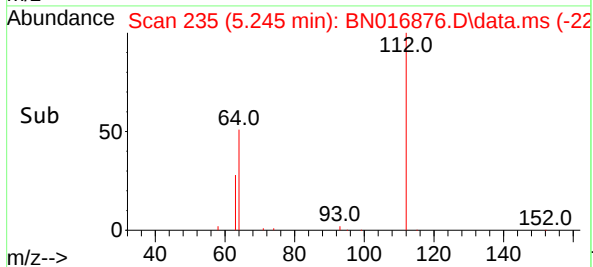
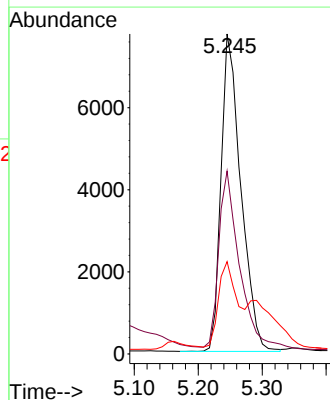
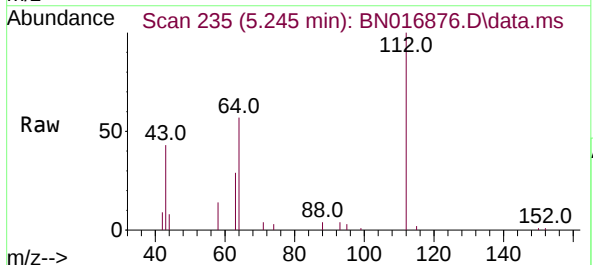
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ClientSampleId :
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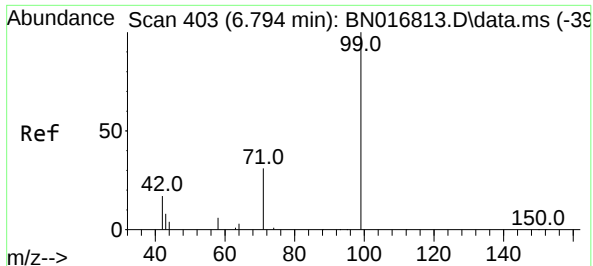
Tgt Ion:152 Resp: 22313
Ion Ratio Lower Upper
152 100
150 151.4 123.3 184.9
115 57.6 47.0 70.6



#4
2-Fluorophenol
Concen: 0.298 ng
RT: 5.245 min Scan# 235
Delta R.T. 0.010 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion:112 Resp: 16595
Ion Ratio Lower Upper
112 100
64 57.0 42.9 64.3
63 26.1 21.5 32.3

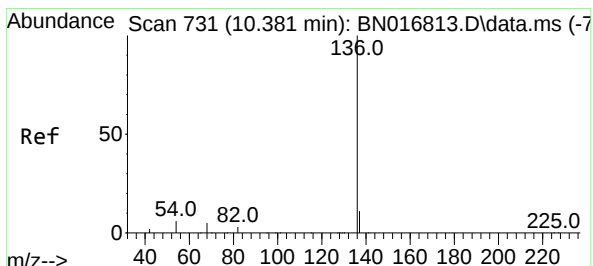
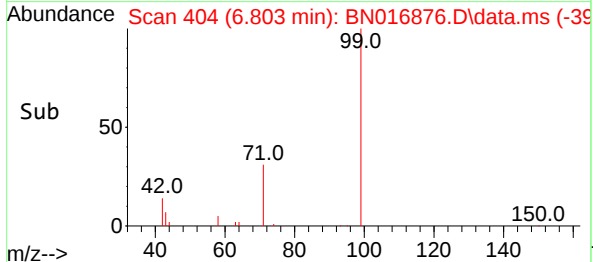
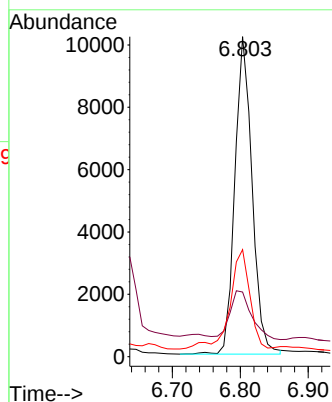
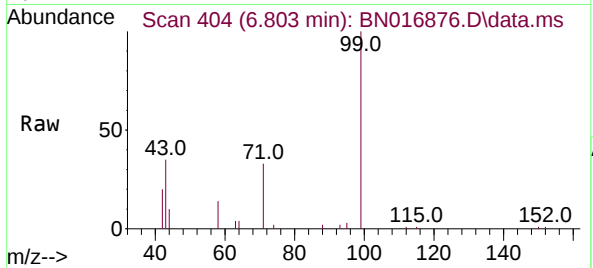




#5
Phenol-d6
Concen: 0.283 ng
RT: 6.803 min Scan# 404
Delta R.T. 0.010 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

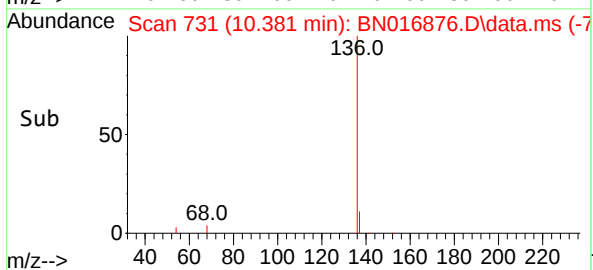
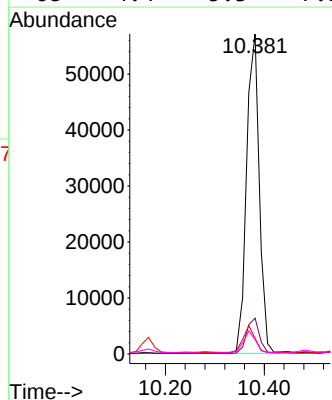
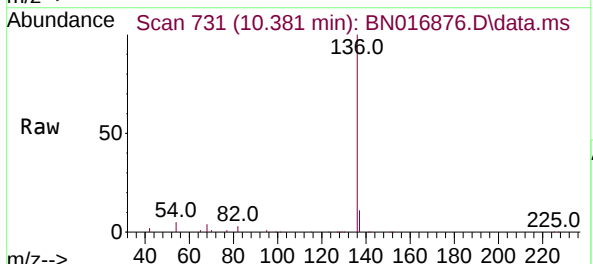
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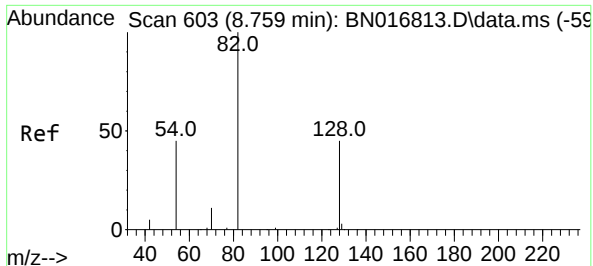
Tgt Ion: 99 Resp: 17921
Ion Ratio Lower Upper
99 100
42 19.5 13.4 20.2
71 36.3 24.0 36.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion: 136 Resp: 102660
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 4.9 6.5 9.7#
68 4.4 5.3 7.9#

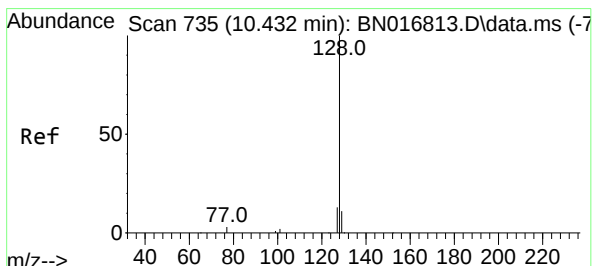
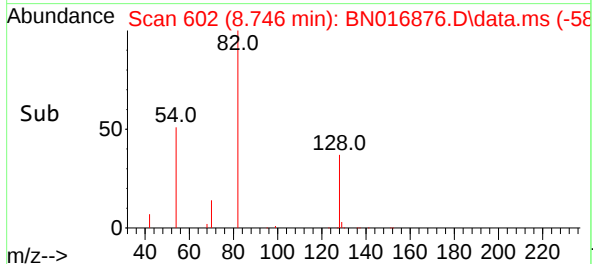
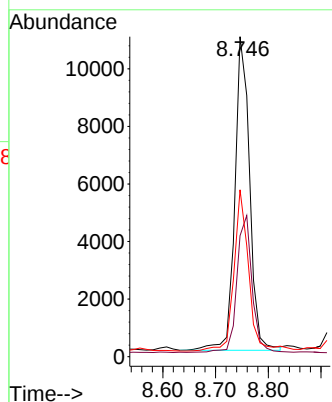
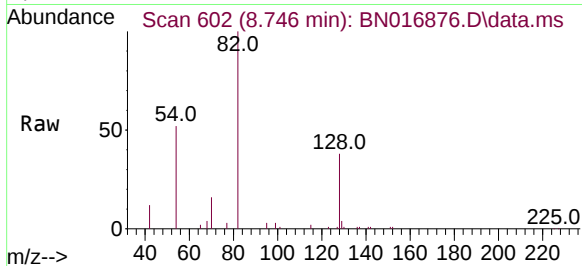




#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 8.746 min Scan# 602
Delta R.T. -0.012 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

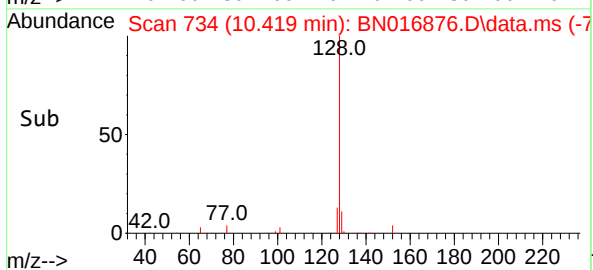
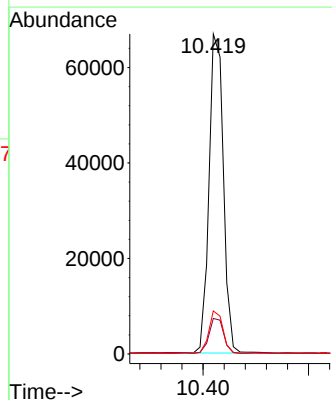
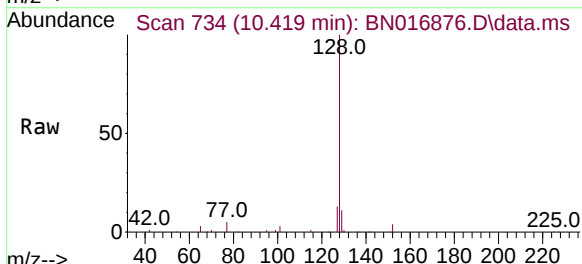
Instrument :
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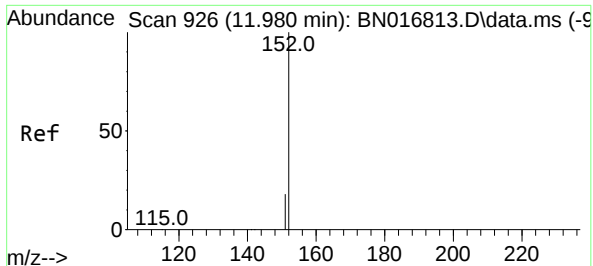
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	33.8	50.6
54	52.1	38.5	57.7



#9
Naphthalene
Concen: 0.450 ng
RT: 10.419 min Scan# 734
Delta R.T. -0.012 min
Lab File: BN016876.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.5	10.3	15.5

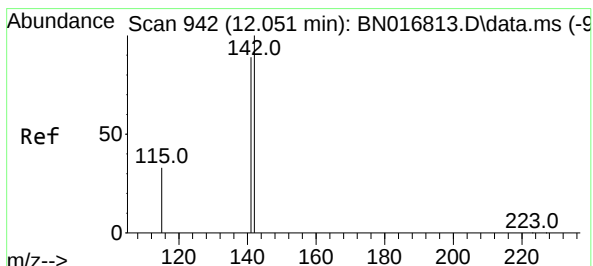
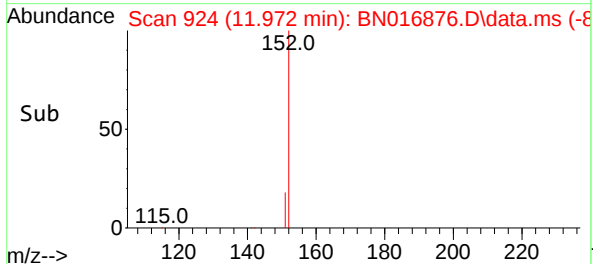
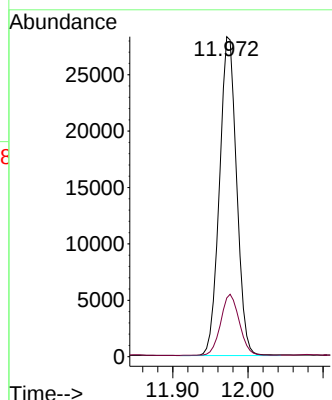
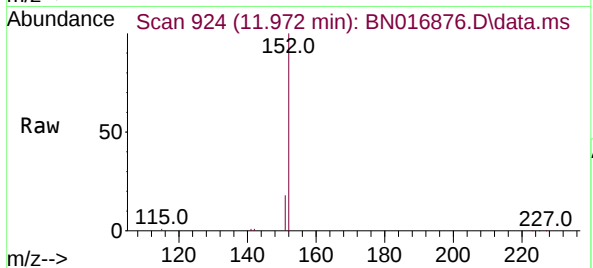




#11
2-Methylnaphthalene-d10
Concen: 0.293 ng
RT: 11.972 min Scan# 924
Delta R.T. -0.008 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

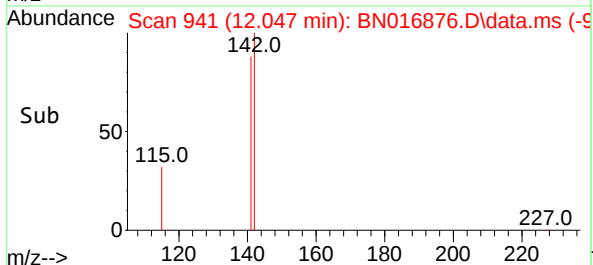
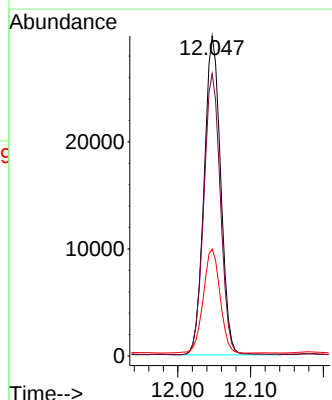
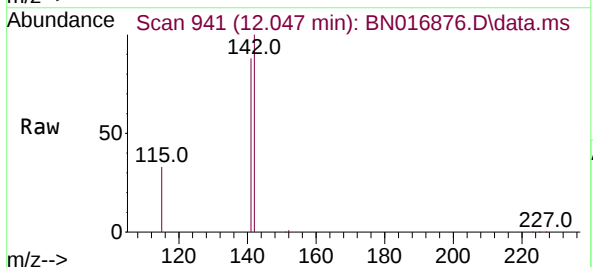
Instrument :
BNA_N
ClientSampleId :
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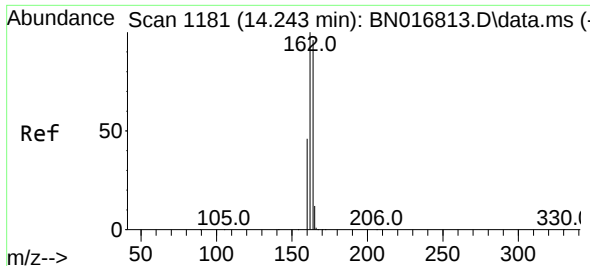
Tgt Ion:152 Resp: 44803
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.262 ng
RT: 12.047 min Scan# 941
Delta R.T. -0.004 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

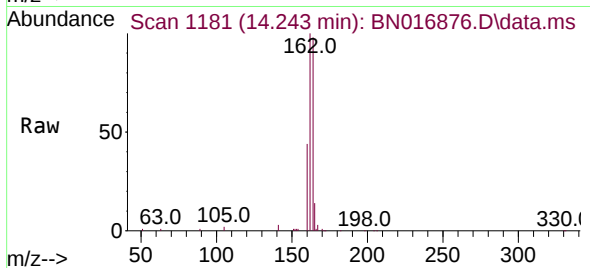
Tgt Ion:142 Resp: 46886
Ion Ratio Lower Upper
142 100
141 88.2 70.6 106.0
115 33.4 26.1 39.1



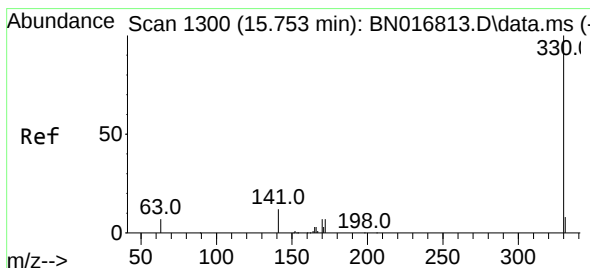
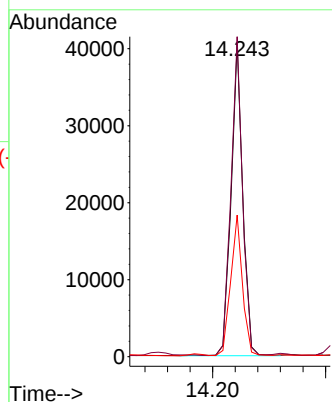
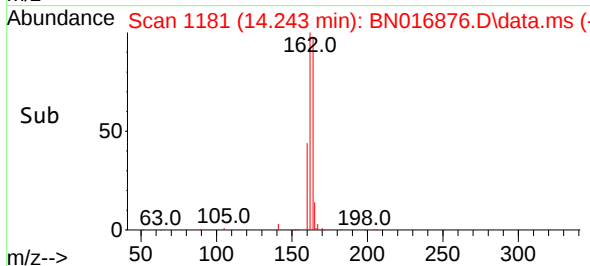


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

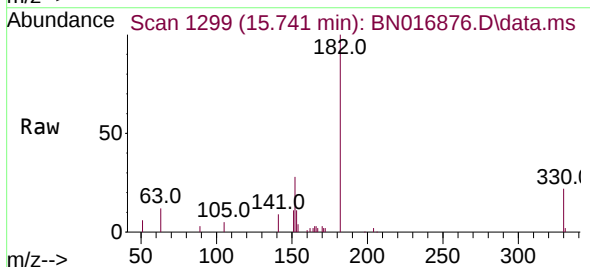
Instrument :
BNA_N
ClientSampleId :
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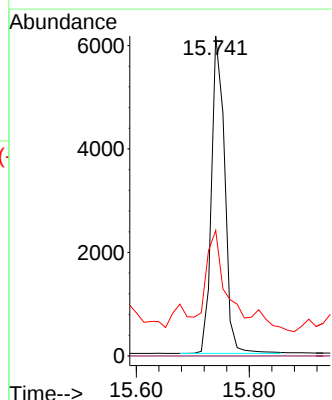
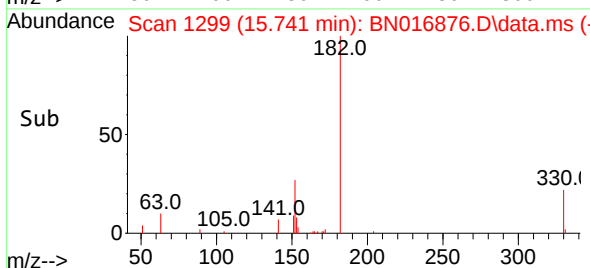
Tgt Ion:164 Resp: 58314
Ion Ratio Lower Upper
164 100
162 102.0 82.6 124.0
160 45.2 38.2 57.2

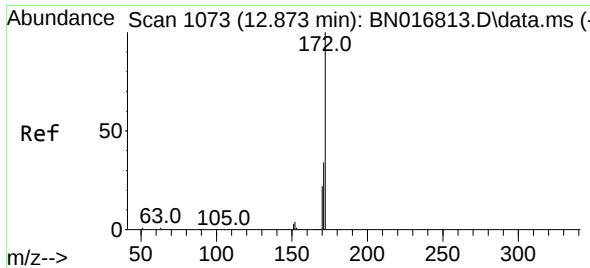


#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.741 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36



Tgt Ion:330 Resp: 9920
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 31.9 24.2 36.2

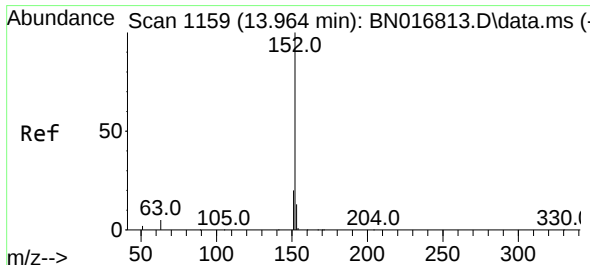
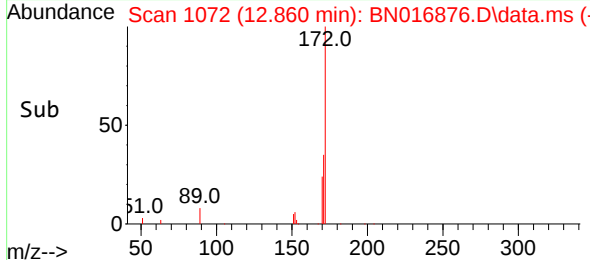
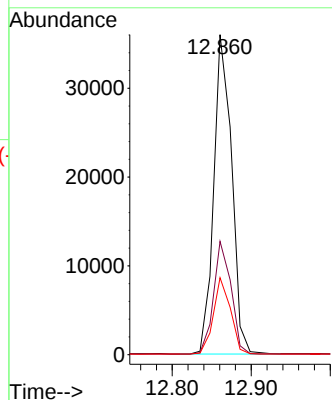
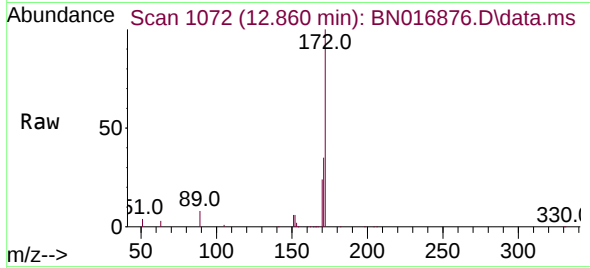




#15
2-Fluorobiphenyl
Concen: 0.240 ng
RT: 12.860 min Scan# 1072
Delta R.T. -0.012 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

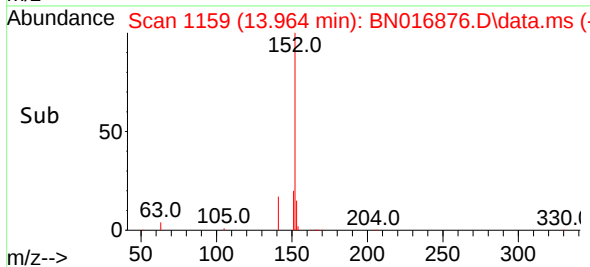
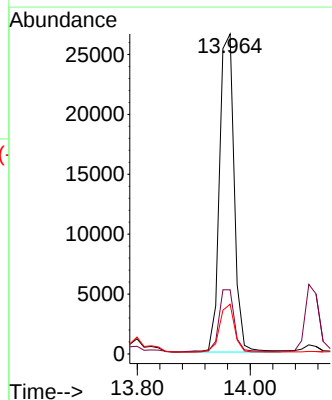
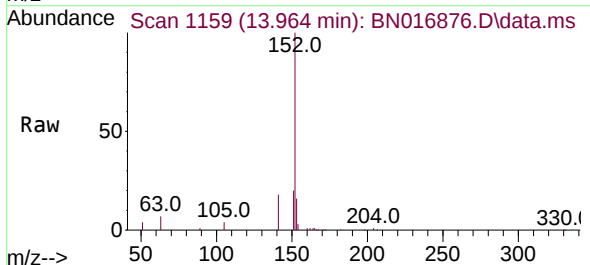
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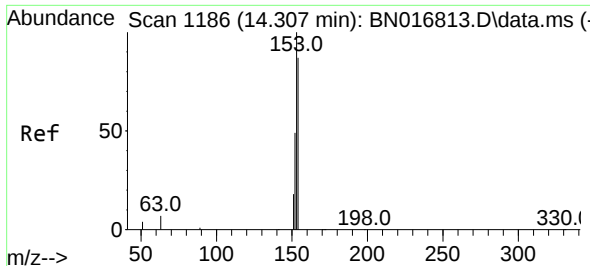
Tgt Ion:	172	Resp:	56584
Ion Ratio	Lower	Upper	
172	100		
171	35.4	26.9	40.3
170	24.0	17.4	26.0



#16
Acenaphthylene
Concen: 0.187 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
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Tgt Ion:	152	Resp:	48020
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.5	23.3
153	15.3	10.4	15.6

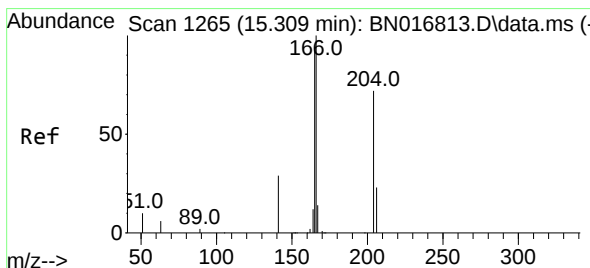
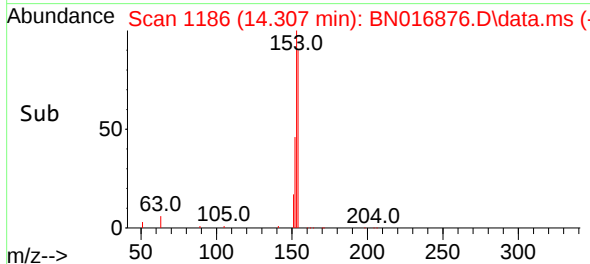
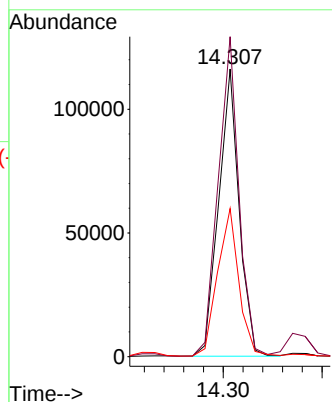
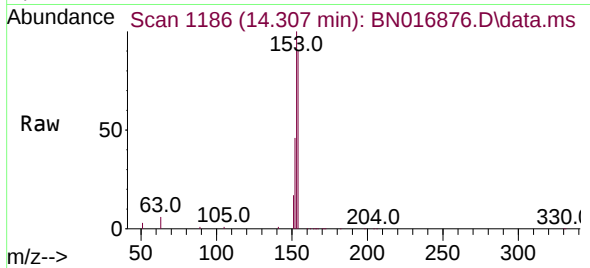




#17
Acenaphthene
Concen: 0.973 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

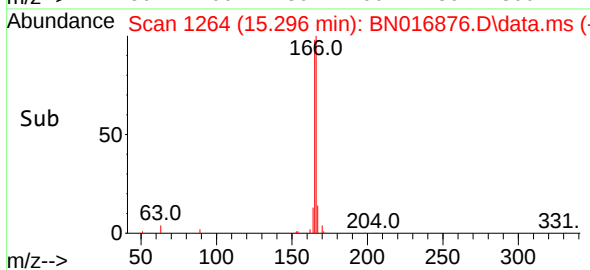
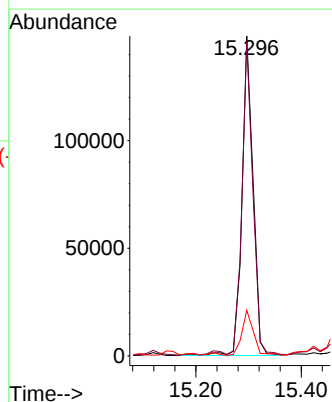
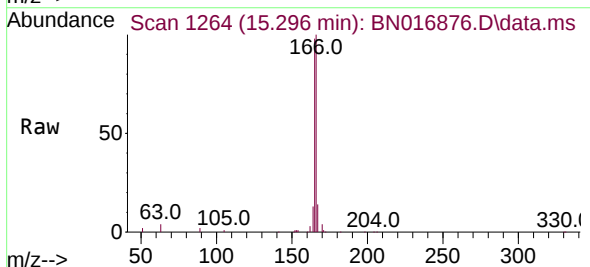
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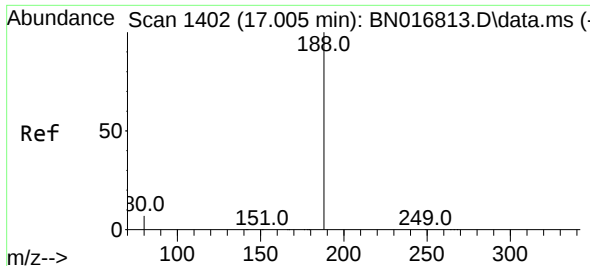
Tgt Ion:154 Resp: 166491
Ion Ratio Lower Upper
154 100
153 112.7 90.1 135.1
152 53.4 43.6 65.4



#18
Fluorene
Concen: 1.032 ng
RT: 15.296 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion:166 Resp: 214546
Ion Ratio Lower Upper
166 100
165 95.9 78.1 117.1
167 14.9 10.7 16.1

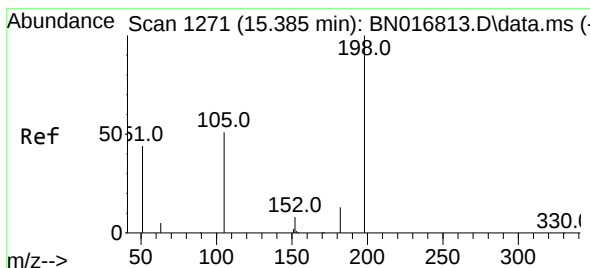
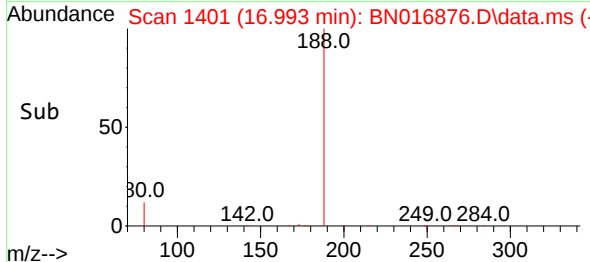
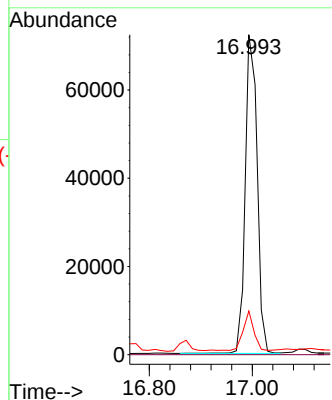
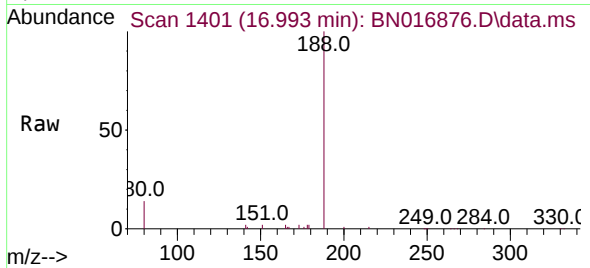




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

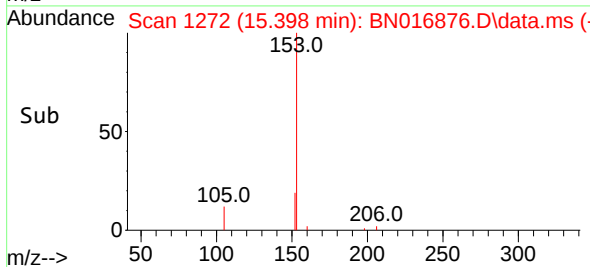
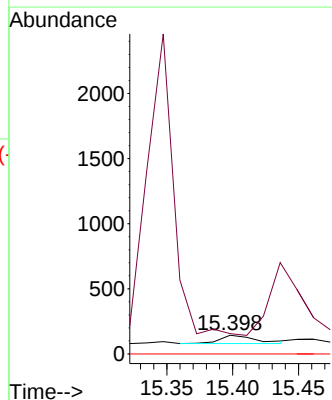
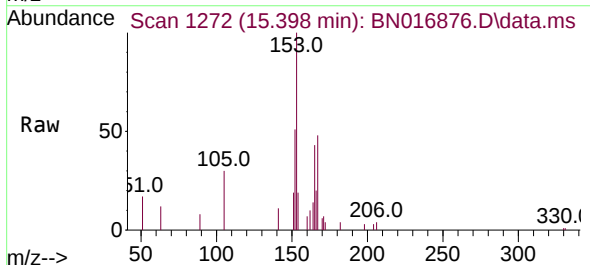
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721

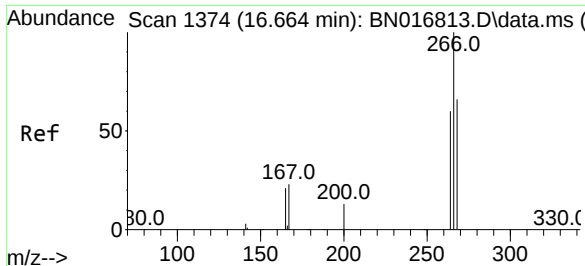
Tgt Ion:188 Resp: 116312
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.6 5.8 8.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.211 ng
RT: 15.398 min Scan# 1272
Delta R.T. 0.013 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion:198 Resp: 120
Ion Ratio Lower Upper
198 100
182 109.1 26.2 39.2#
77 0.0 0.0 0.0

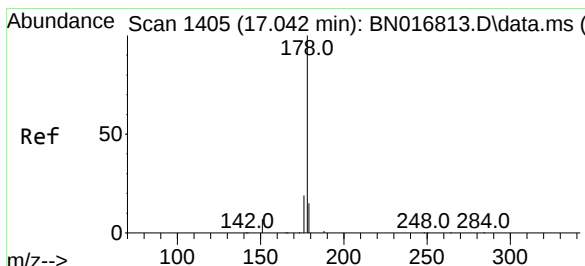
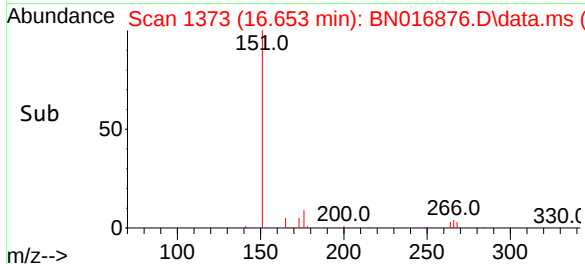
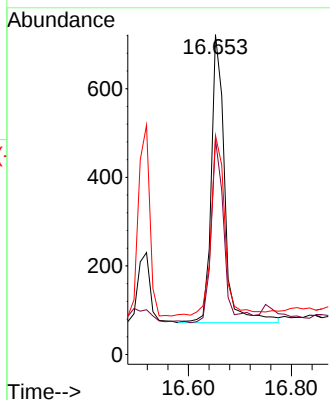
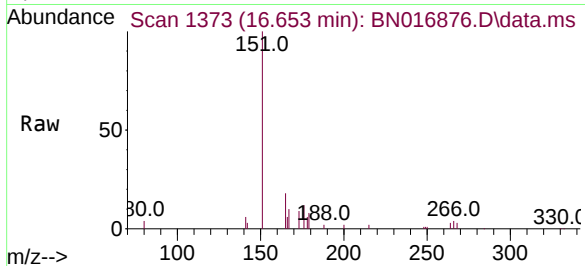




#24
Pentachlorophenol
Concen: 0.134 ng
RT: 16.653 min Scan# 1373
Delta R.T. 0.000 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

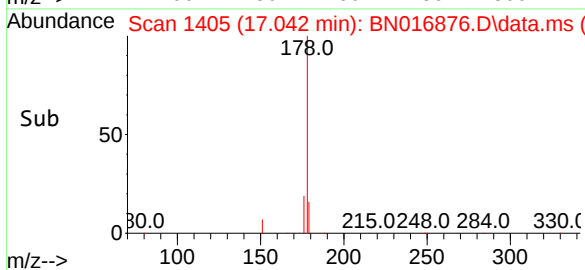
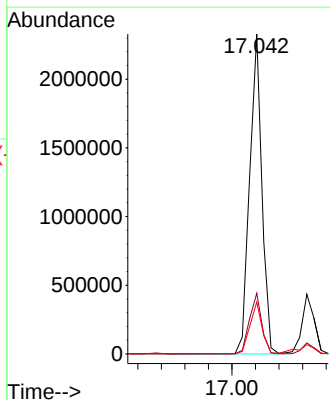
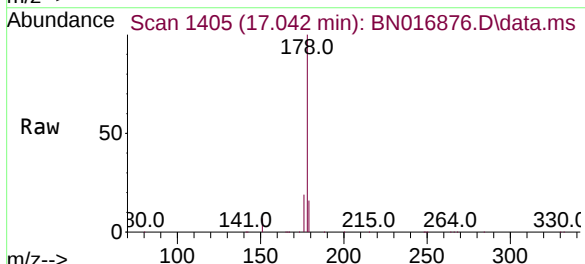
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721

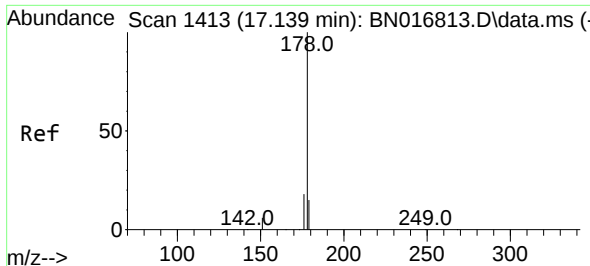
Tgt Ion:266 Resp: 1169
Ion Ratio Lower Upper
266 100
264 58.8 49.3 73.9
268 65.9 51.8 77.8



#25
Phenanthrene
Concen: 9.728 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion:178 Resp: 3360616
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 16.1 12.4 18.6

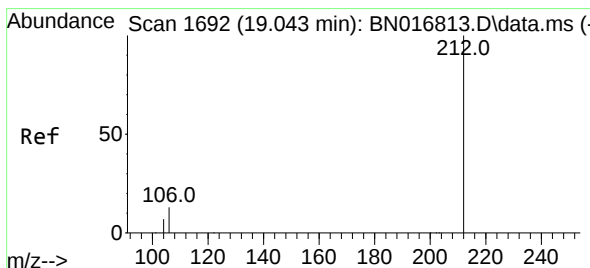
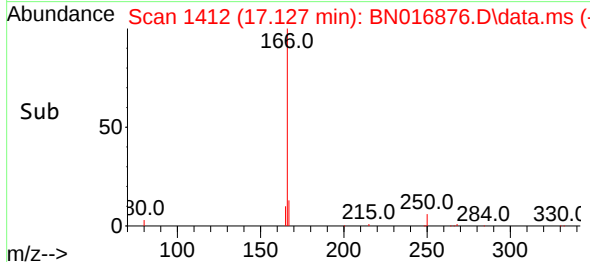
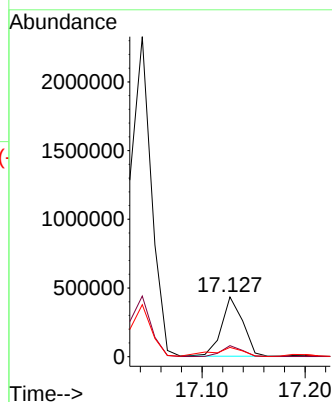
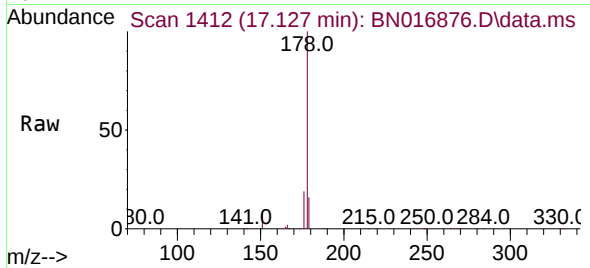




#26
 Anthracene
 Concen: 2.016 ng
 RT: 17.127 min Scan# 1412
 Delta R.T. 0.000 min
 Lab File: BN016876.D
 Acq: 09 Oct 2021 11:36

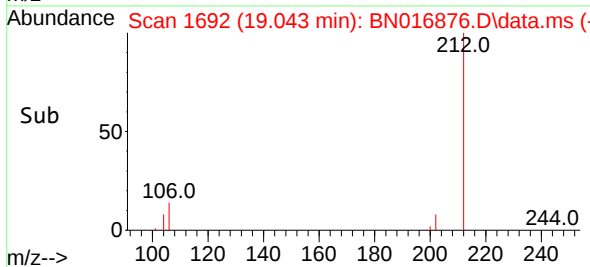
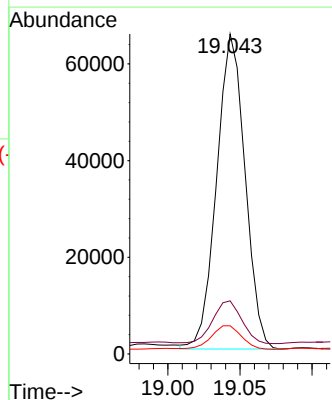
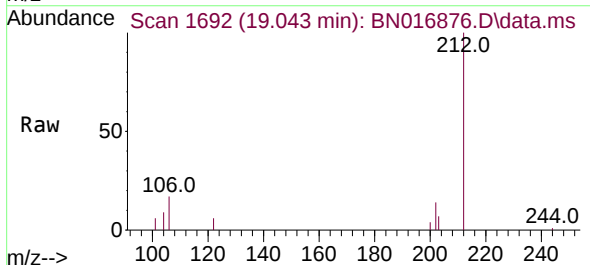
Instrument :
 BNA_N
 ClientSampleId :
 S-830-J-SO-2-2.5-092721

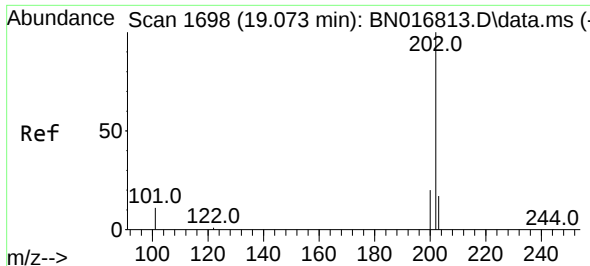
Tgt Ion:178 Resp: 618614
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.5 21.7
 179 21.7 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.276 ng
 RT: 19.043 min Scan# 1692
 Delta R.T. 0.000 min
 Lab File: BN016876.D
 Acq: 09 Oct 2021 11:36

Tgt Ion:212 Resp: 89258
 Ion Ratio Lower Upper
 212 100
 106 13.9 10.6 16.0
 104 8.0 5.8 8.8

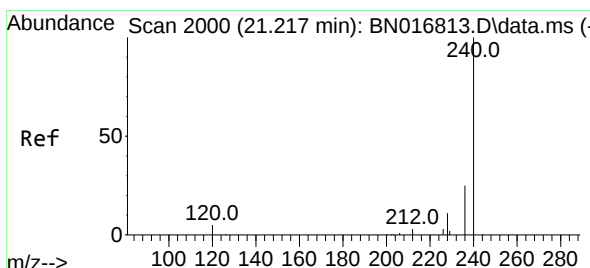
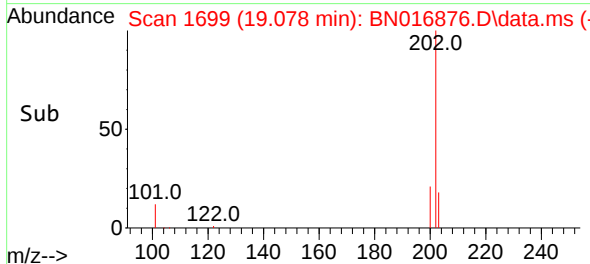
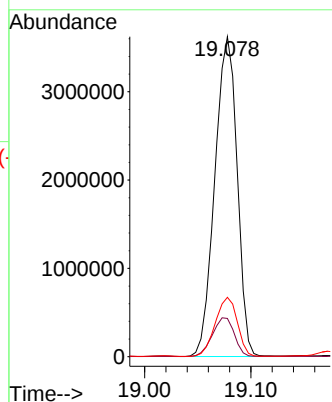
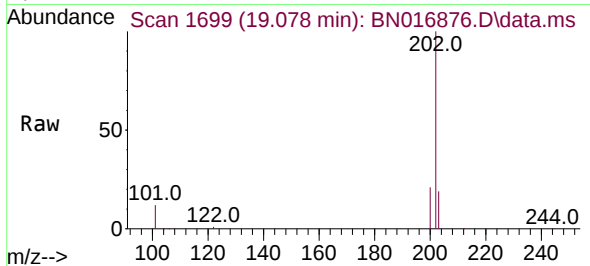




#28
Fluoranthene
Concen: 13.611 ng
RT: 19.078 min Scan# 1699
Delta R.T. 0.005 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

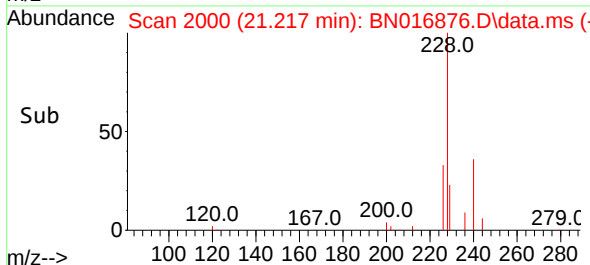
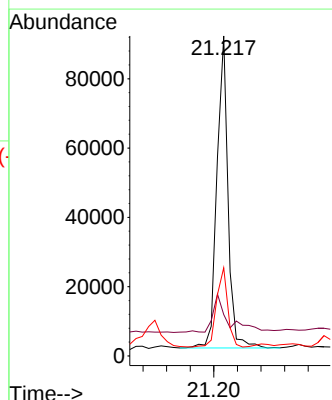
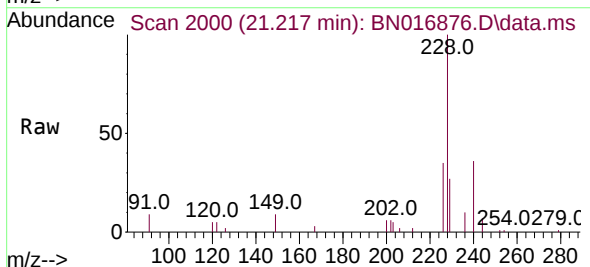
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721

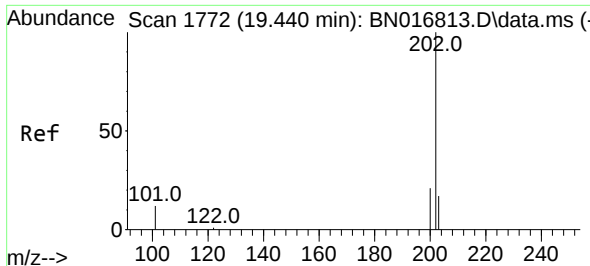
Tgt Ion:202 Resp: 5280318
Ion Ratio Lower Upper
202 100
101 12.0 8.9 13.3
203 18.2 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.011 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion:240 Resp: 116844
Ion Ratio Lower Upper
240 100
120 12.9 6.6 10.0#
236 27.5 20.7 31.1

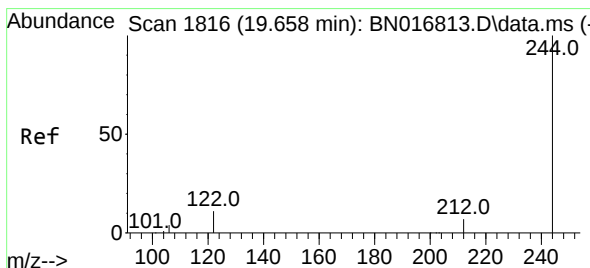
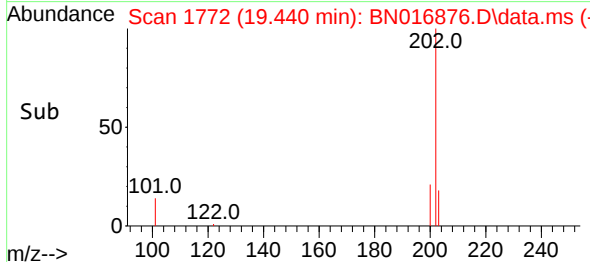
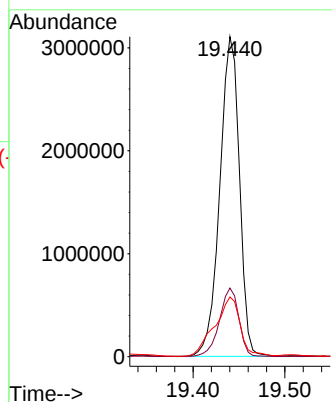
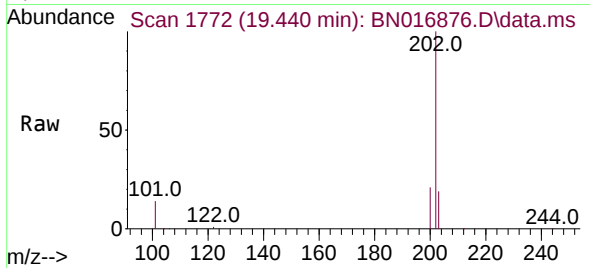




#30
Pyrene
Concen: 12.860 ng
RT: 19.440 min Scan# 1772
Delta R.T. 0.005 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

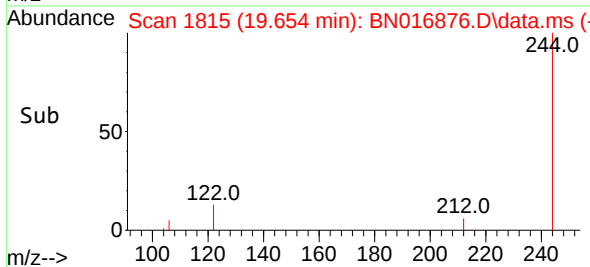
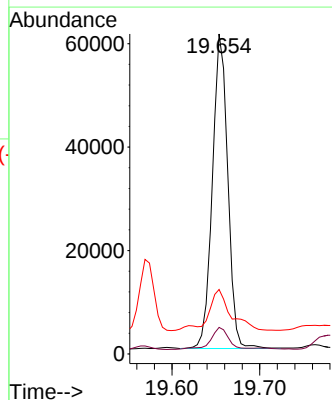
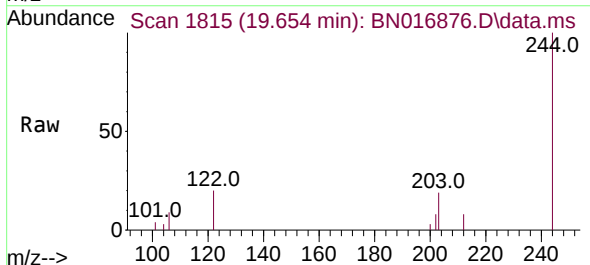
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721

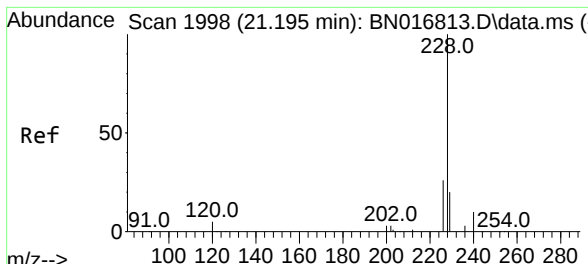
Tgt Ion:202 Resp: 4620300
Ion Ratio Lower Upper
202 100
200 21.2 16.5 24.7
203 23.9 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.290 ng
RT: 19.654 min Scan# 1815
Delta R.T. -0.005 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion:244 Resp: 74005
Ion Ratio Lower Upper
244 100
212 8.3 5.8 8.6
122 20.2 8.9 13.3#

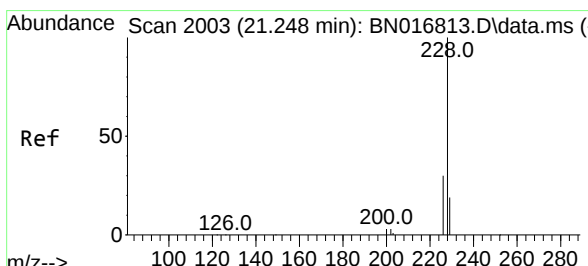
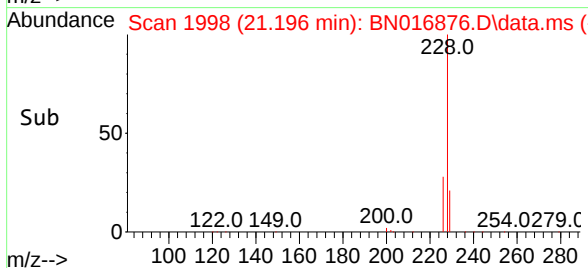
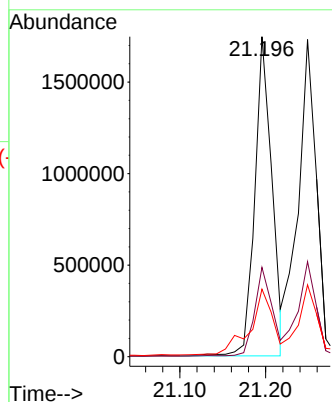
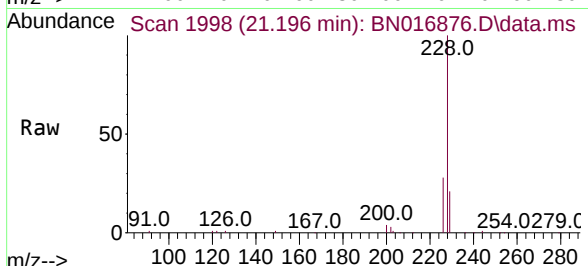




#32
Benzo(a)anthracene
Concen: 6.705 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

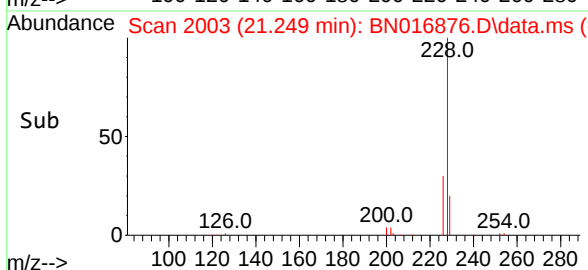
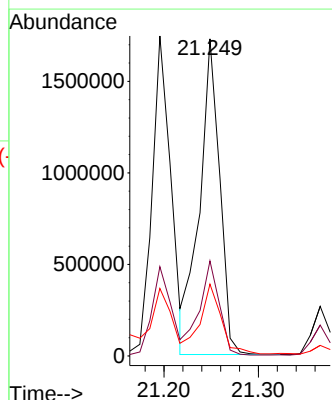
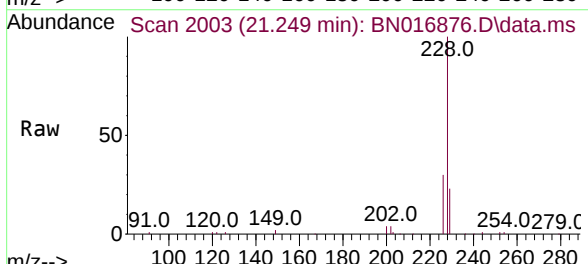
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721

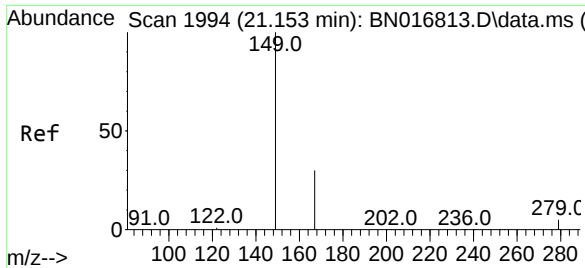
Tgt Ion:228 Resp: 2423074
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 21.1 15.4 23.0



#33
Chrysene
Concen: 6.948 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion:228 Resp: 2556936
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 22.7 15.4 23.0

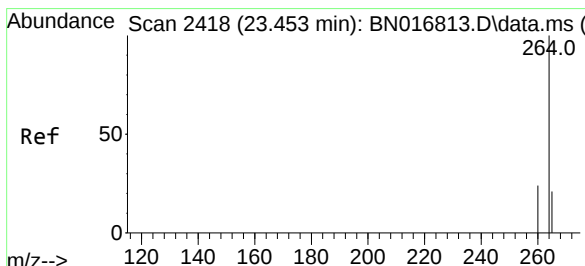
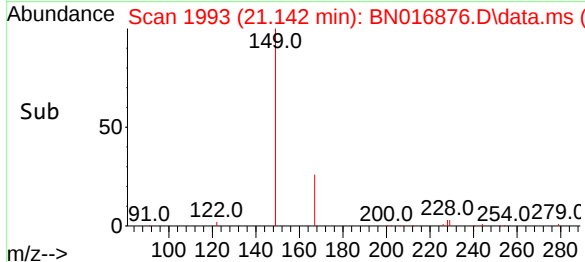
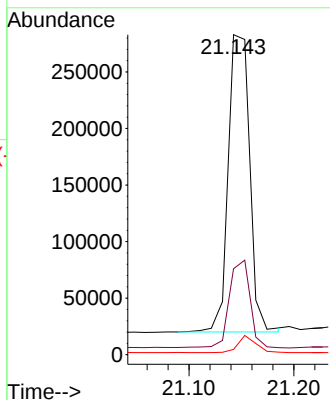
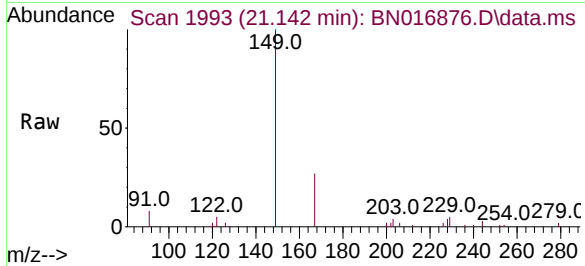




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 2.039 ng
 RT: 21.142 min Scan# 1993
 Delta R.T. -0.010 min
 Lab File: BN016876.D
 Acq: 09 Oct 2021 11:36

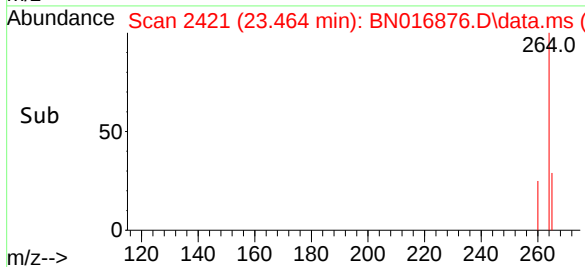
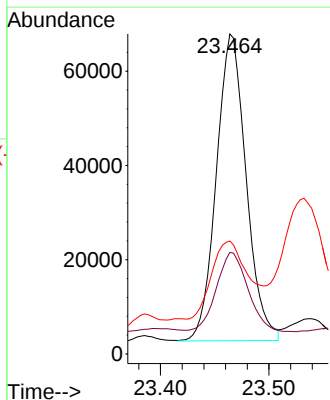
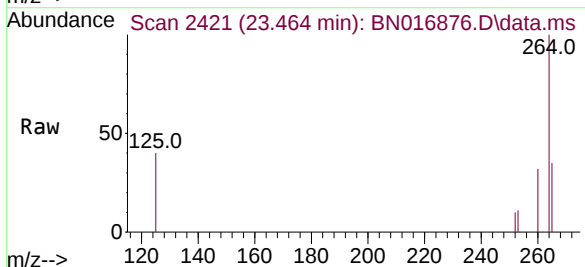
Instrument :
 BNA_N
 ClientSampleId :
 S-830-J-SO-2-2.5-092721

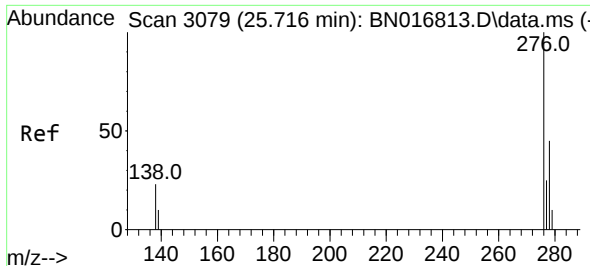
Tgt Ion:149 Resp: 374427
 Ion Ratio Lower Upper
 149 100
 167 28.6 22.2 33.4
 279 4.8 3.4 5.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.464 min Scan# 2421
 Delta R.T. 0.011 min
 Lab File: BN016876.D
 Acq: 09 Oct 2021 11:36

Tgt Ion:264 Resp: 124203
 Ion Ratio Lower Upper
 264 100
 260 31.7 19.8 29.6#
 265 35.3 20.3 30.5#

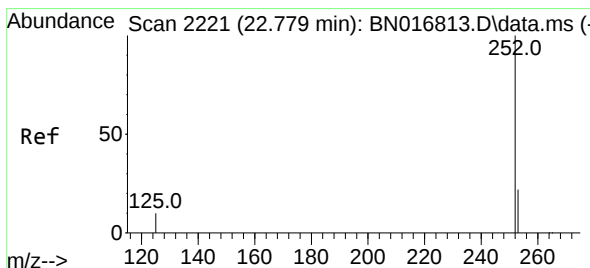
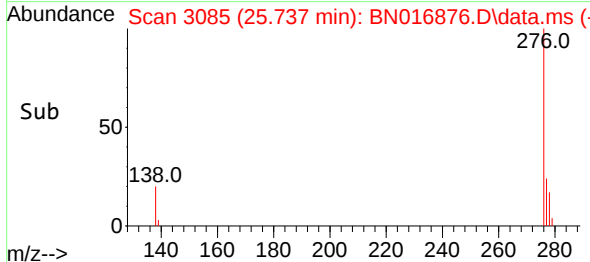
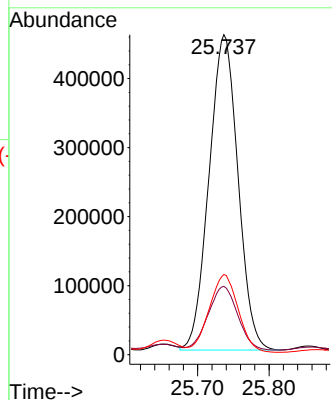
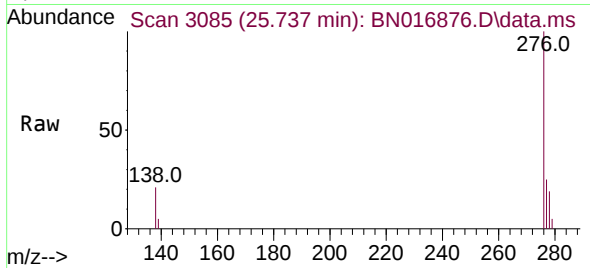




#36
Indeno(1,2,3-cd)pyrene
Concen: 2.733 ng
RT: 25.737 min Scan# 3085
Delta R.T. 0.021 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

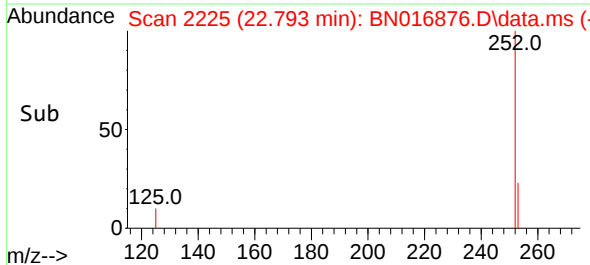
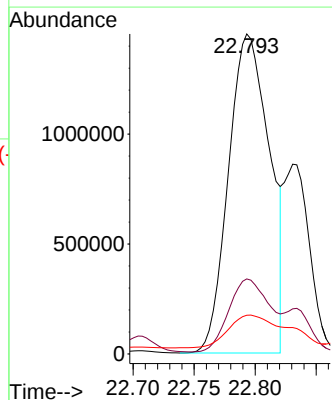
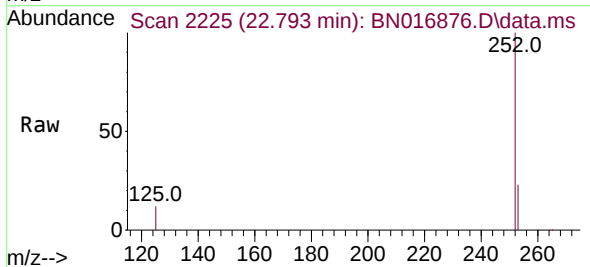
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721

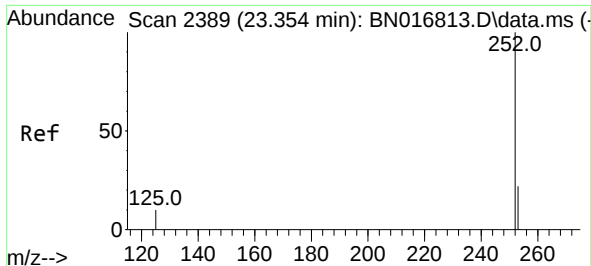
Tgt Ion:276 Resp: 1285354
Ion Ratio Lower Upper
276 100
138 20.7 19.2 28.8
277 24.8 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 8.635 ng
RT: 22.793 min Scan# 2225
Delta R.T. 0.014 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Tgt Ion:252 Resp: 3394920
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 12.1 8.3 12.5





#39

Benzo(a)pyrene

Concen: 6.383 ng

RT: 23.368 min Scan# 2393

Delta R.T. 0.014 min

Lab File: BN016876.D

Acq: 09 Oct 2021 11:36

Instrument :

BNA_N

ClientSampleId :

S-830-J-SO-2-2.5-092721

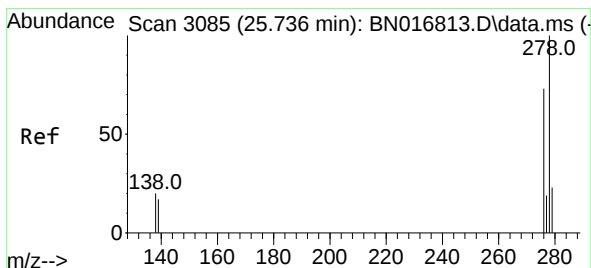
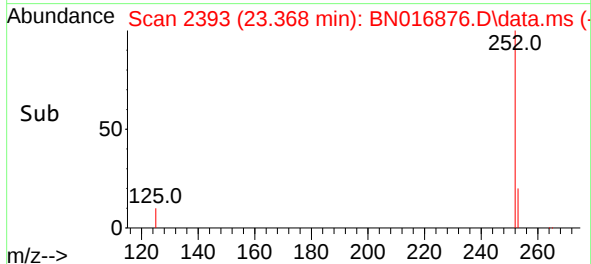
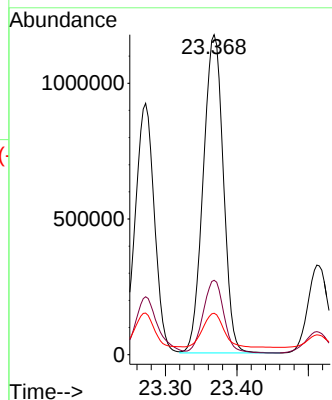
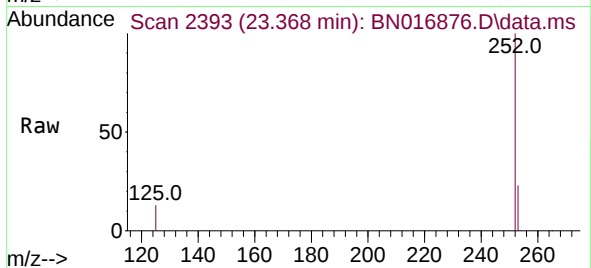
Tgt Ion:252 Resp: 2292866

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 13.0 9.4 14.2



#40

Dibenzo(a,h)anthracene

Concen: 0.791 ng

RT: 25.747 min Scan# 3088

Delta R.T. 0.007 min

Lab File: BN016876.D

Acq: 09 Oct 2021 11:36

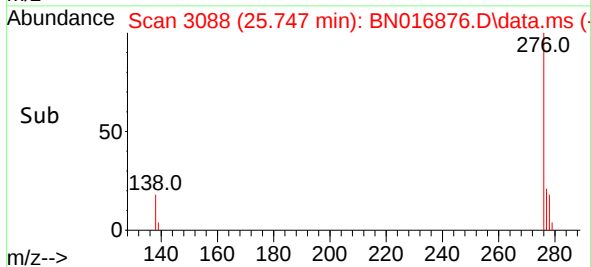
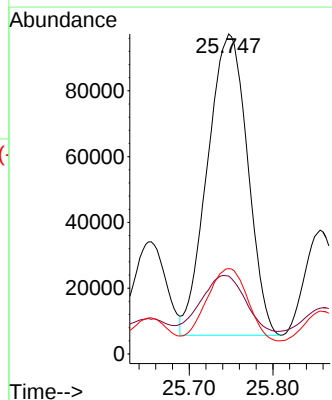
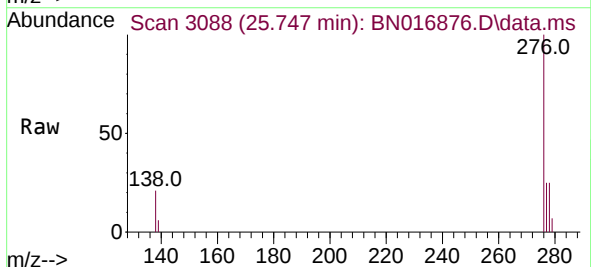
Tgt Ion:278 Resp: 304605

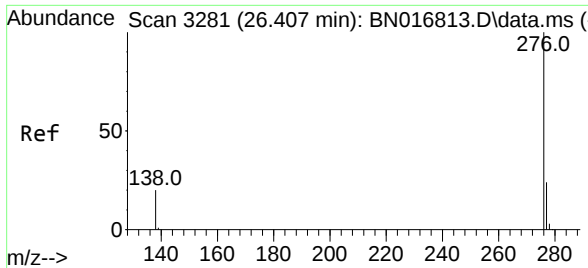
Ion Ratio Lower Upper

278 100

139 24.4 13.1 19.7#

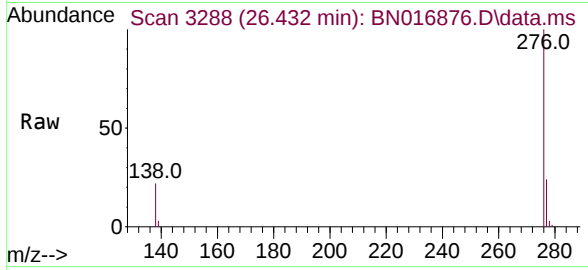
279 26.7 19.3 28.9





#41
Benzo(g,h,i)perylene
Concen: 2.939 ng
RT: 26.432 min Scan# 3288
Delta R.T. 0.024 min
Lab File: BN016876.D
Acq: 09 Oct 2021 11:36

Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721



Tgt Ion: 276 Resp: 1202281

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	22.4	17.0	25.6

