

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
 Data File : BN016803.D
 Acq On : 07 Oct 2021 06:44
 Operator : CG/JU
 Sample : M3945-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 07 07:16:09 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 14:22:07 2021
 Response via : Initial Calibration

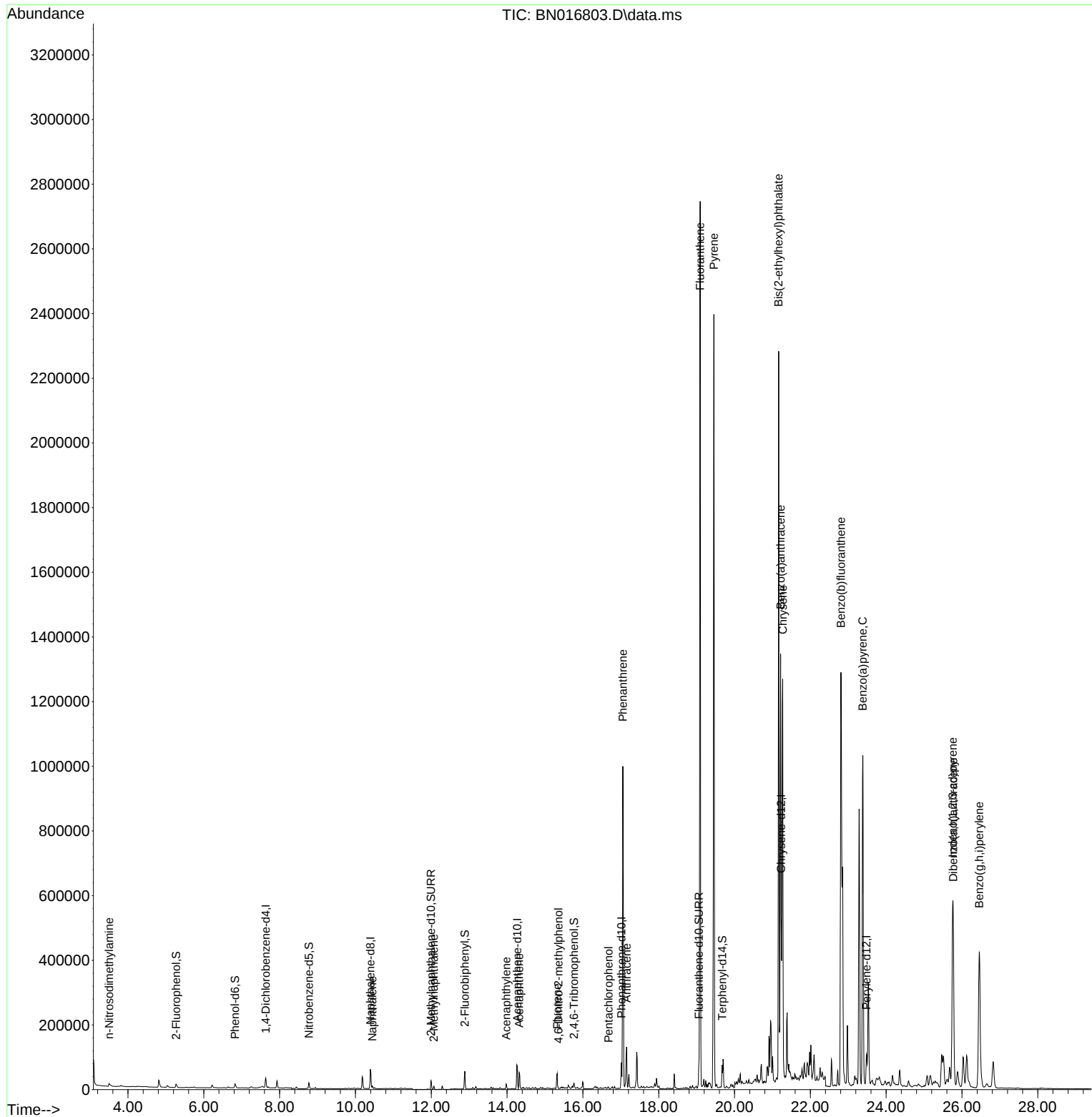
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	17848	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	84654	0.400	ng	-0.01
13) Acenaphthene-d10	14.269	164	49031	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	101689	0.400	ng	0.00
29) Chrysene-d12	21.228	240	102215	0.400	ng	# 0.00
35) Perylene-d12	23.481	264	117406	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	13027	0.286	ng	0.03
5) Phenol-d6	6.822	99	13658	0.270	ng	0.00
8) Nitrobenzene-d5	8.772	82	15711	0.265	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	36604	0.290	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	7278	0.374	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	47535	0.242	ng	0.00
27) Fluoranthene-d10	19.058	212	82007	0.295	ng	0.00
31) Terphenyl-d14	19.674	244	66938	0.293	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.502	42	2784	0.207	ng	# 1
9) Naphthalene	10.445	128	10610	0.046	ng	96
12) 2-Methylnaphthalene	12.070	142	7508	0.051	ng	98
16) Acenaphthylene	13.977	152	14716	0.068	ng	96
17) Acenaphthene	14.320	154	27979	0.196	ng	100
18) Fluorene	15.322	166	32129	0.186	ng	97
20) 4,6-Dinitro-2-methylph...	15.360	198	15	0.268	ng	# 1
24) Pentachlorophenol	16.677	266	157	0.343	ng	95
25) Phenanthrene	17.054	178	1020528	3.414	ng	100
26) Anthracene	17.152	178	135192	0.506	ng	# 93
28) Fluoranthene	19.093	202	2538129	7.651	ng	99
30) Pyrene	19.455	202	2147953	6.391	ng	# 93
32) Benzo(a)anthracene	21.217	228	1236974	3.902	ng	98
33) Chrysene	21.270	228	1268806	3.945	ng	96
34) Bis(2-ethylhexyl)phtha...	21.164	149	1886429	9.812	ng	98
36) Indeno(1,2,3-cd)pyrene	25.757	276	962422	2.582	ng	96
37) Benzo(b)fluoranthene	22.807	252	2170490	5.717	ng	99
39) Benzo(a)pyrene	23.382	252	1397915	4.115	ng	99
40) Dibenzo(a,h)anthracene	25.771	278	221428	0.749	ng	# 95
41) Benzo(g,h,i)perylene	26.456	276	895437	2.706	ng	99

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

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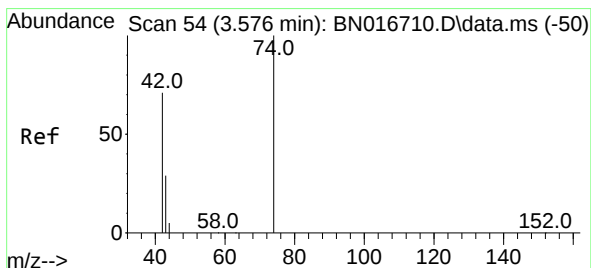
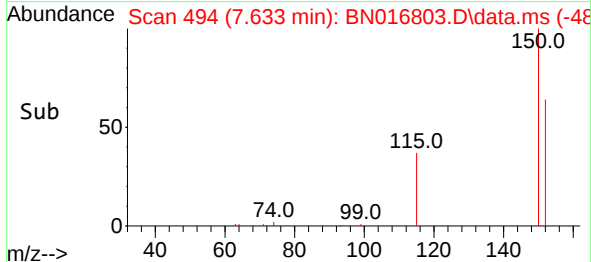
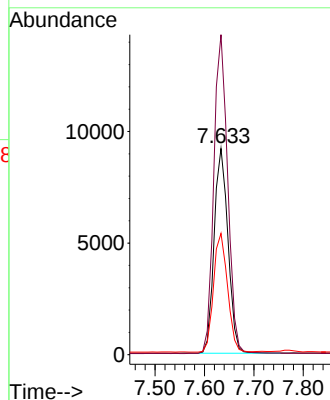
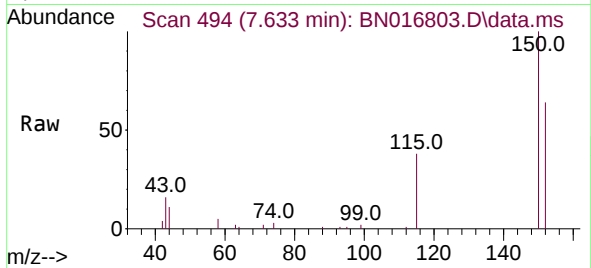




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 494
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

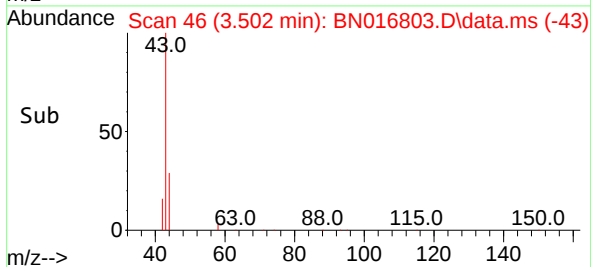
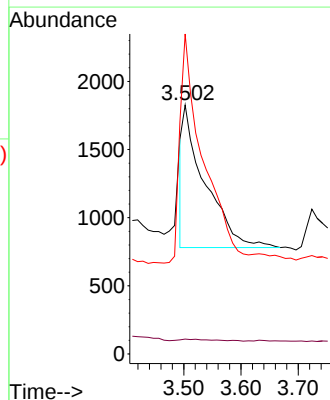
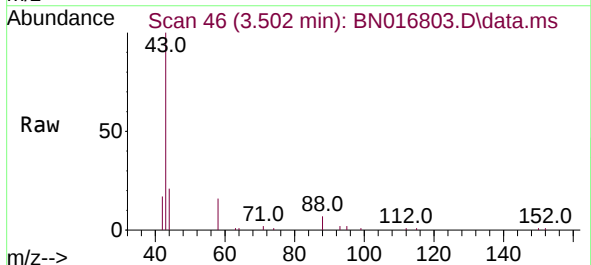
Instrument :
BNA_N
ClientSampled :

Tgt Ion:152 Resp: 17848
Ion Ratio Lower Upper
152 100
150 155.1 123.3 184.9
115 58.8 47.0 70.6



#3
n-Nitrosodimethylamine
Concen: 0.207 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.074 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion: 42 Resp: 2784
Ion Ratio Lower Upper
42 100
74 1.9 124.0 186.0#
44 133.0 5.6 8.4#

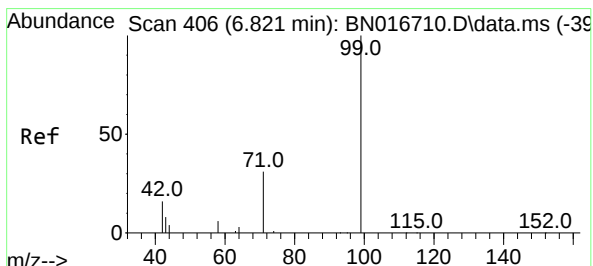
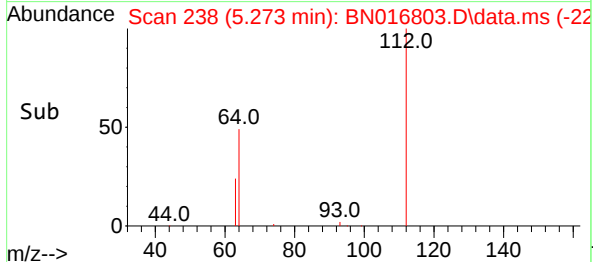
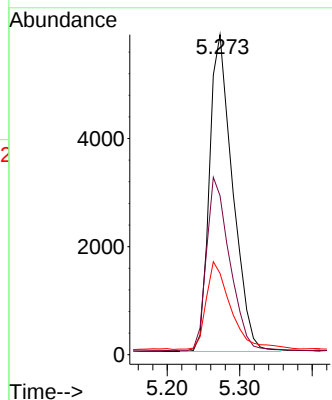
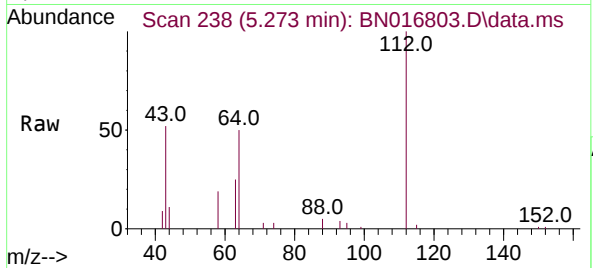




#4
2-Fluorophenol
Concen: 0.286 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.028 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

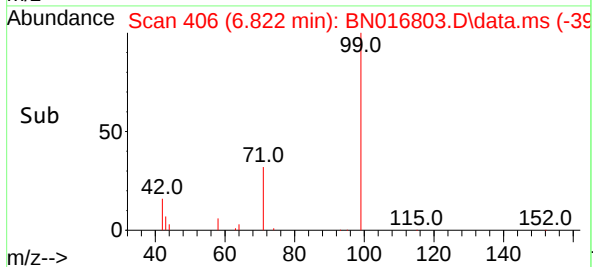
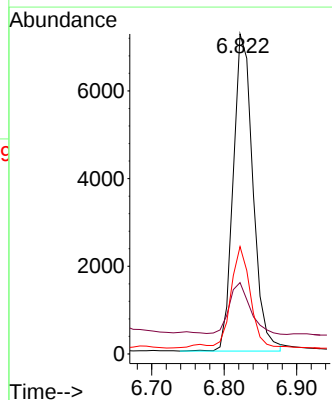
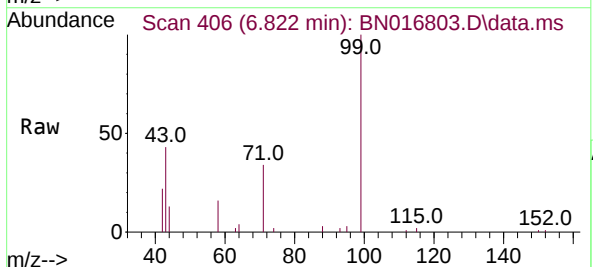
Instrument :
BNA_N
ClientSampled :

Tgt Ion:112 Resp: 13027
Ion Ratio Lower Upper
112 100
64 54.7 42.9 64.3
63 29.0 21.5 32.3



#5
Phenol-d6
Concen: 0.270 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.009 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion: 99 Resp: 13658
Ion Ratio Lower Upper
99 100
42 17.2 13.4 20.2
71 32.1 24.0 36.0

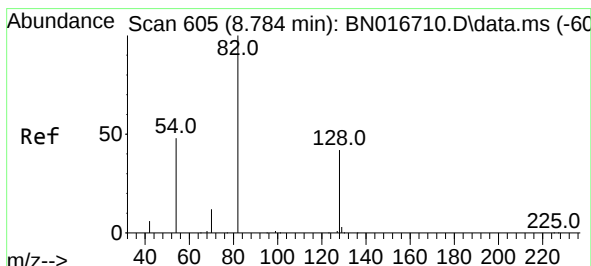
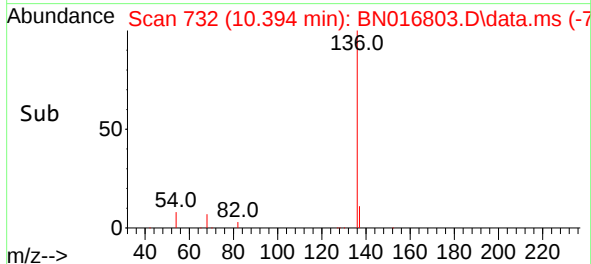
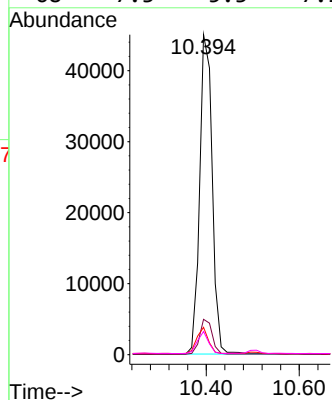
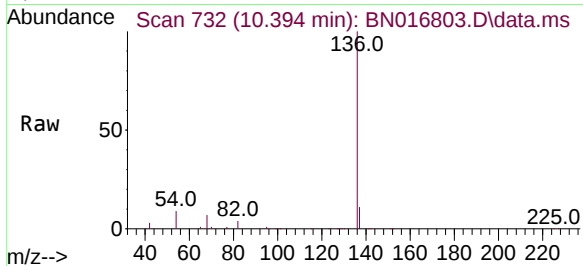




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.012 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

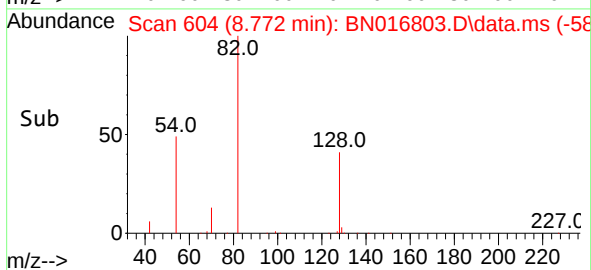
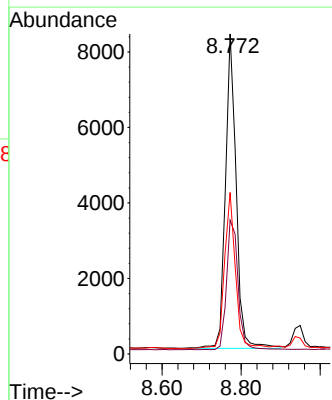
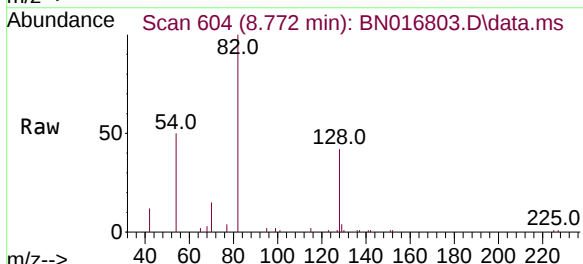
Instrument :
BNA_N
ClientSampleId :

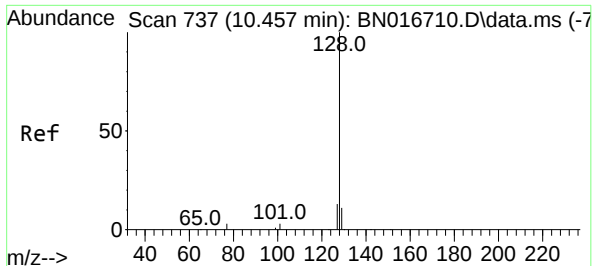
Tgt Ion:	136	Resp:	84654
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.6	6.5	9.7
68	7.3	5.3	7.9



#8
Nitrobenzene-d5
Concen: 0.265 ng
RT: 8.772 min Scan# 604
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:	82	Resp:	15711
Ion Ratio	Lower	Upper	
82	100		
128	41.8	33.8	50.6
54	50.5	38.5	57.7

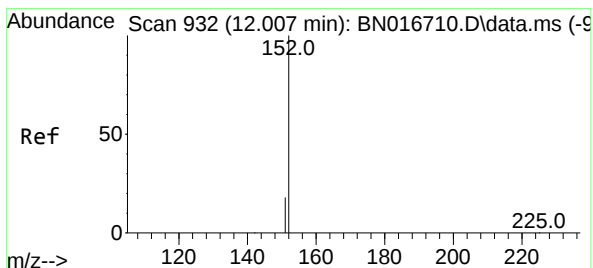
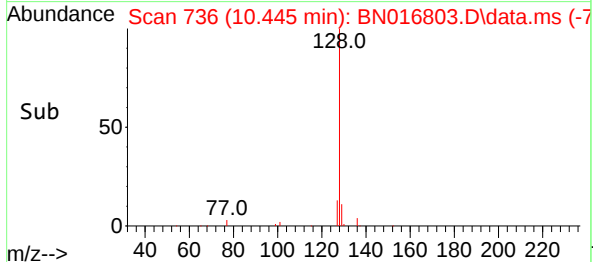
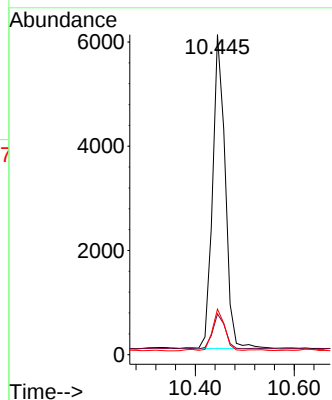
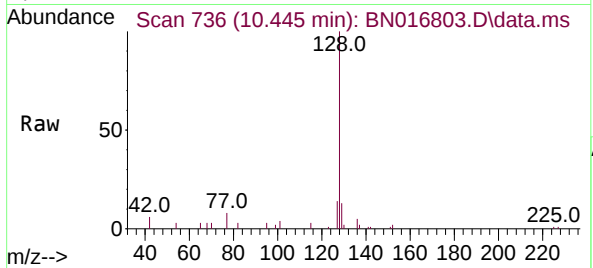




#9
Naphthalene
Concen: 0.046 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

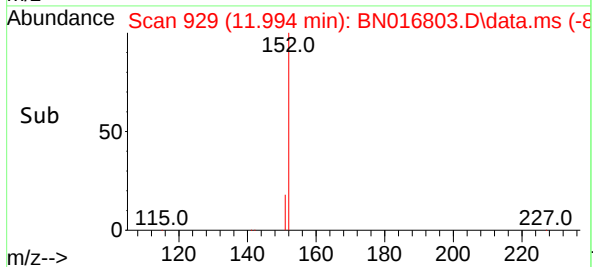
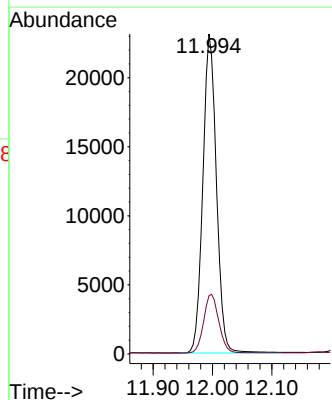
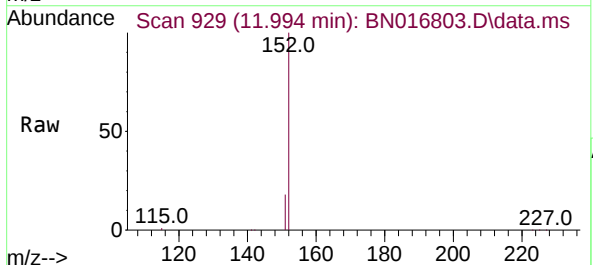
Instrument :
BNA_N
ClientSampleId :

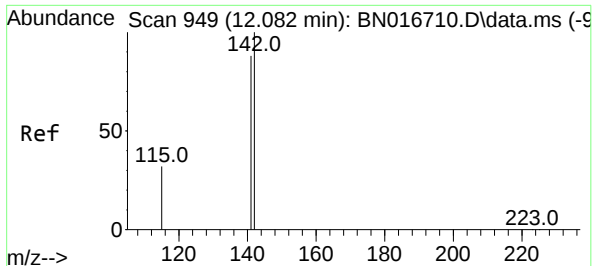
Tgt Ion:128 Resp: 10610
Ion Ratio Lower Upper
128 100
129 12.8 8.7 13.1
127 14.2 10.3 15.5



#11
2-Methylnaphthalene-d10
Concen: 0.290 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.004 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:152 Resp: 36604
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4

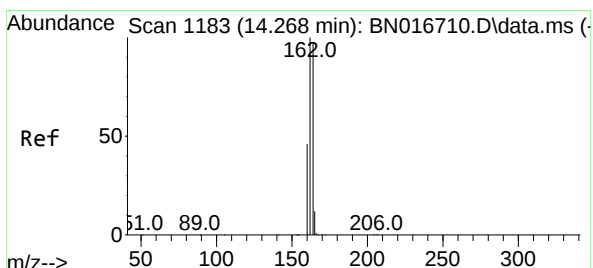
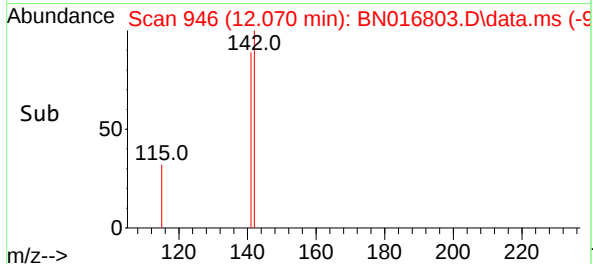
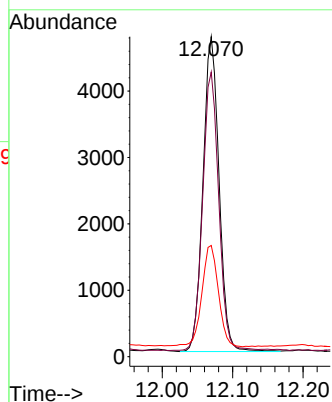
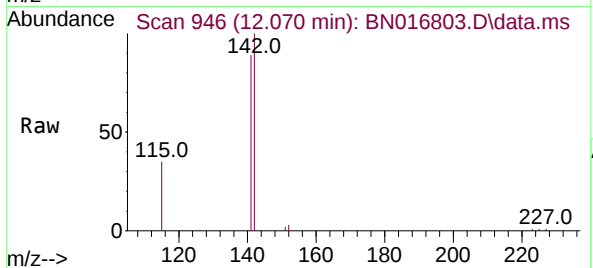




#12
2-Methylnaphthalene
Concen: 0.051 ng
RT: 12.070 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

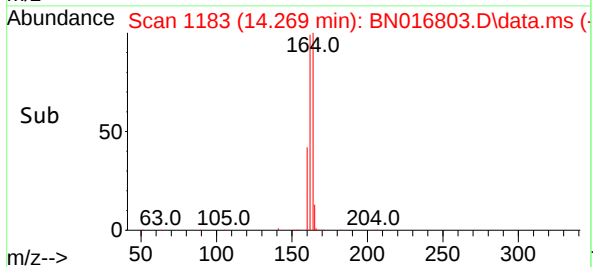
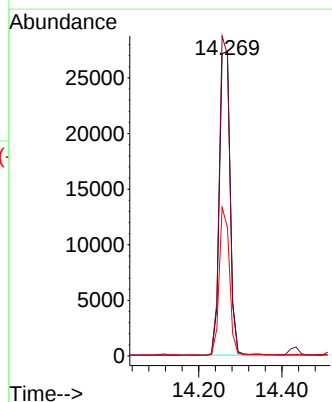
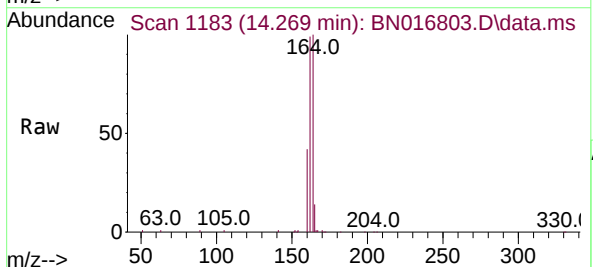
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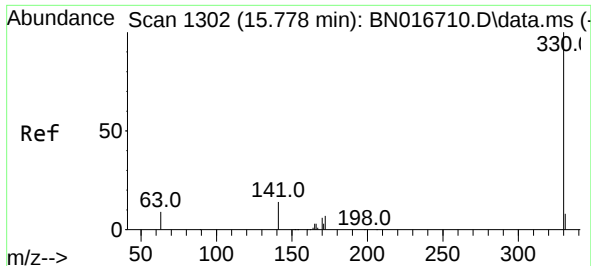
Tgt Ion:142 Resp: 7508
Ion Ratio Lower Upper
142 100
141 88.9 70.6 106.0
115 34.7 26.1 39.1



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:164 Resp: 49031
Ion Ratio Lower Upper
164 100
162 98.8 82.6 124.0
160 42.3 38.2 57.2

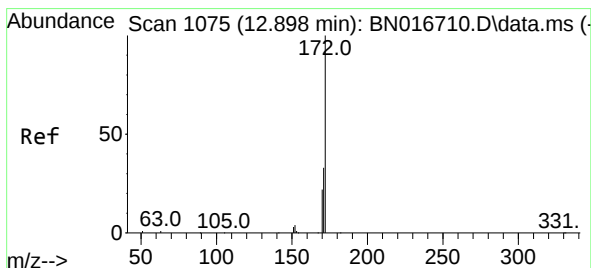
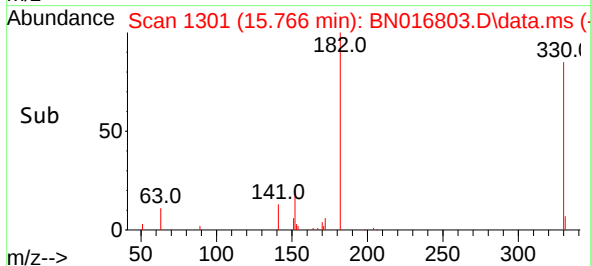
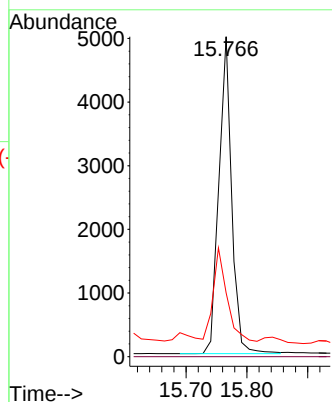
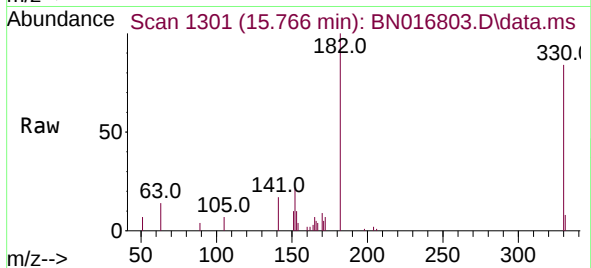




#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

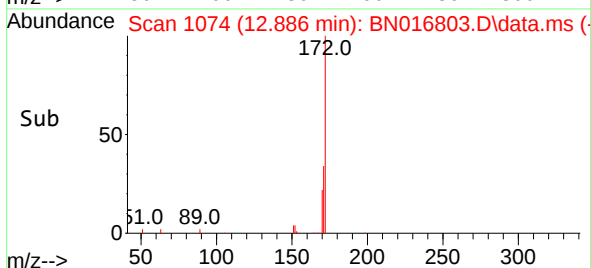
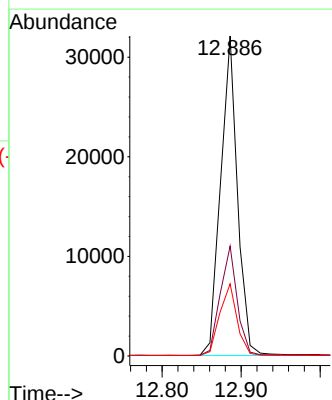
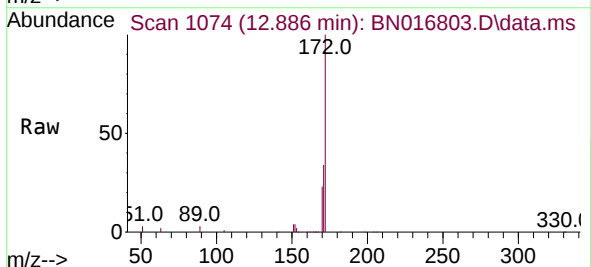
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BNA_N
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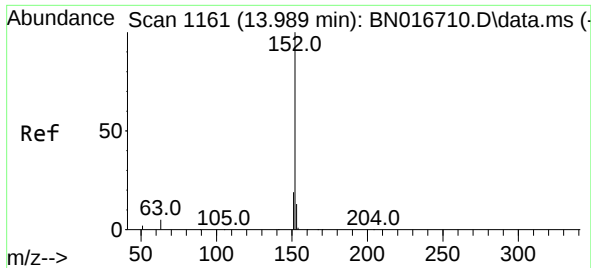
Tgt Ion: 330 Resp: 7278
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 31.7 24.2 36.2



#15
2-Fluorobiphenyl
Concen: 0.242 ng
RT: 12.886 min Scan# 1074
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion: 172 Resp: 47535
Ion Ratio Lower Upper
172 100
171 34.4 26.9 40.3
170 22.6 17.4 26.0

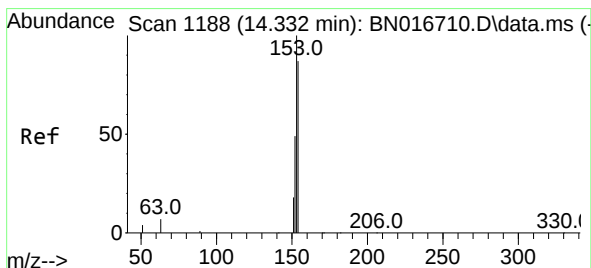
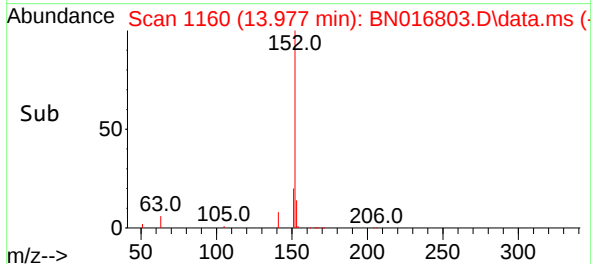
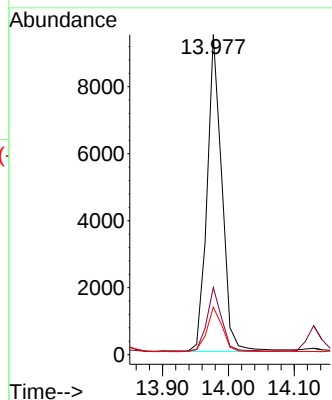
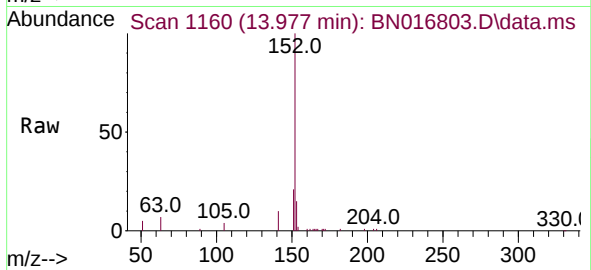




#16
Acenaphthylene
Concen: 0.068 ng
RT: 13.977 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

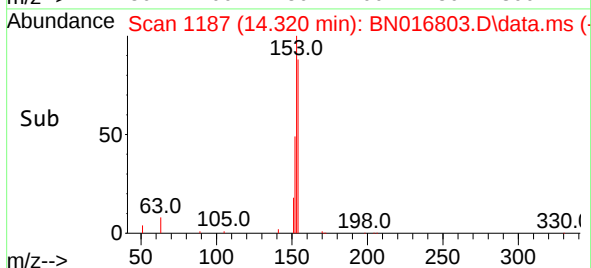
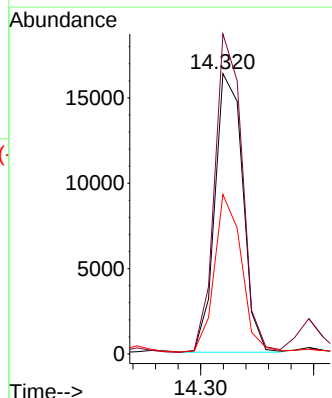
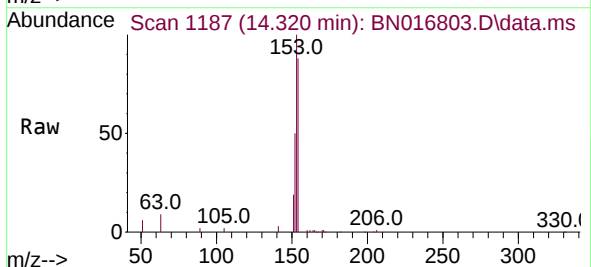
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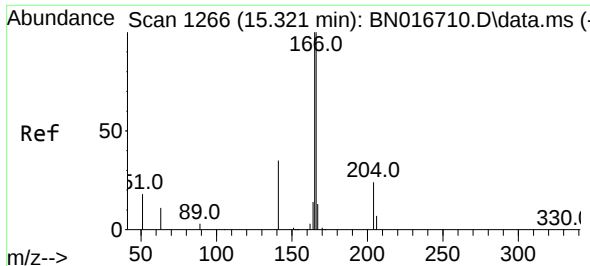
Tgt Ion:	152	Resp:	14716
Ion Ratio	Lower	Upper	
152	100		
151	20.9	15.5	23.3
153	14.8	10.4	15.6



#17
Acenaphthene
Concen: 0.196 ng
RT: 14.320 min Scan# 1187
Delta R.T. -0.012 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:	154	Resp:	27979
Ion Ratio	Lower	Upper	
154	100		
153	112.8	90.1	135.1
152	54.7	43.6	65.4

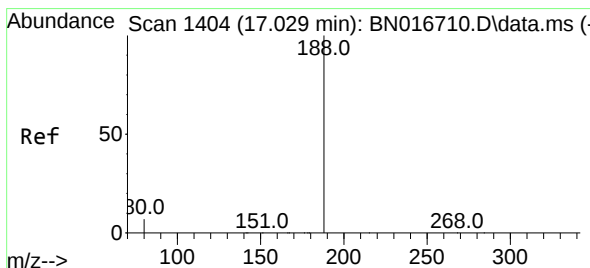
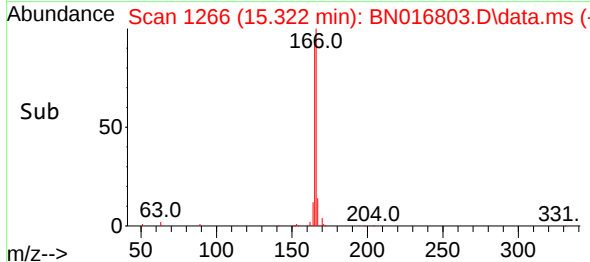
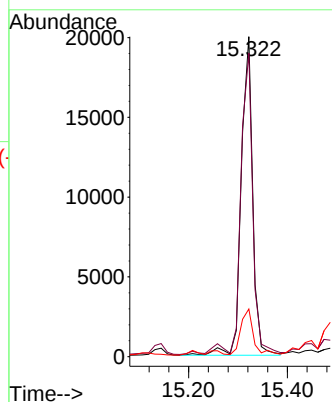
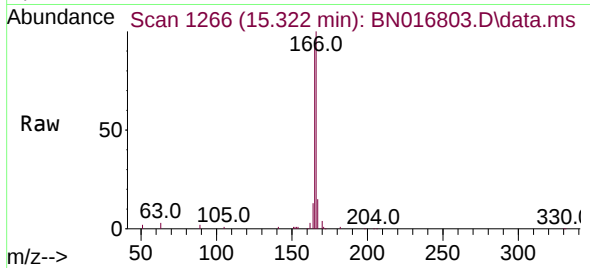




#18
Fluorene
Concen: 0.186 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

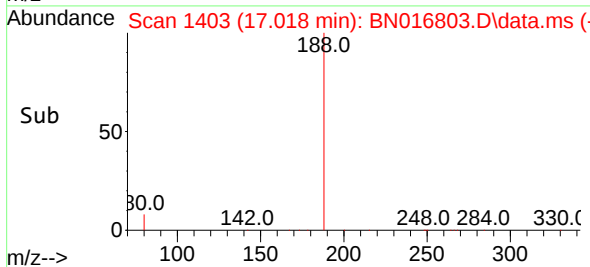
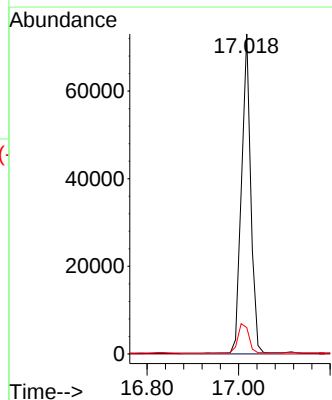
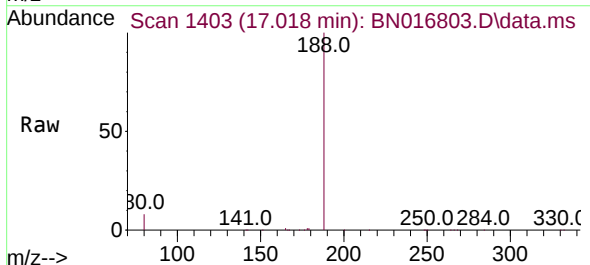
Instrument :
BNA_N
ClientSampled :

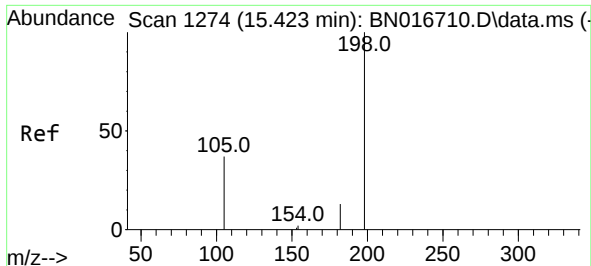
Tgt Ion:166 Resp: 32129
Ion Ratio Lower Upper
166 100
165 100.6 78.1 117.1
167 15.6 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:188 Resp: 101689
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 5.8 8.8

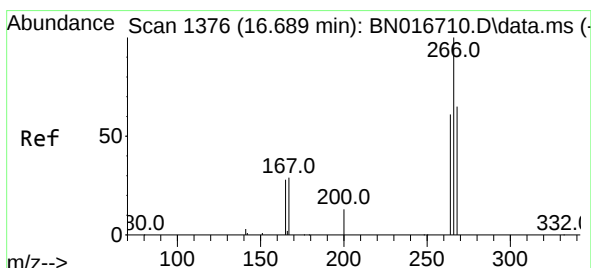
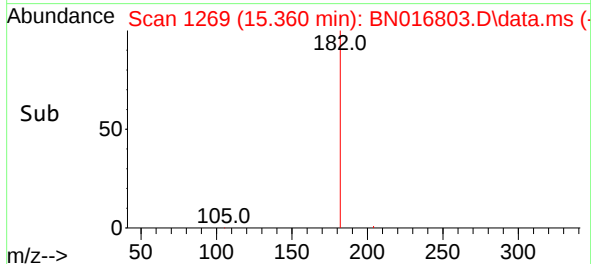
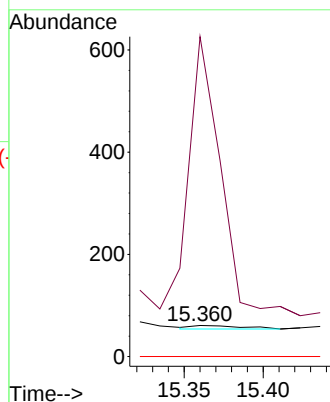
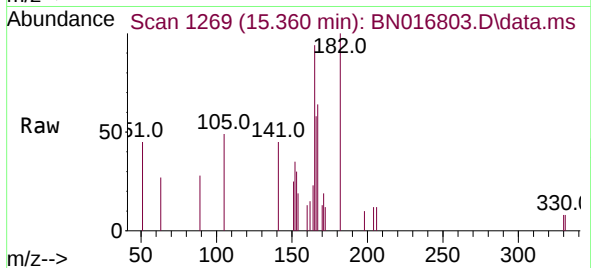




#20
4,6-Dinitro-2-methylphenol
Concen: 0.268 ng
RT: 15.360 min Scan# 1269
Delta R.T. -0.051 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

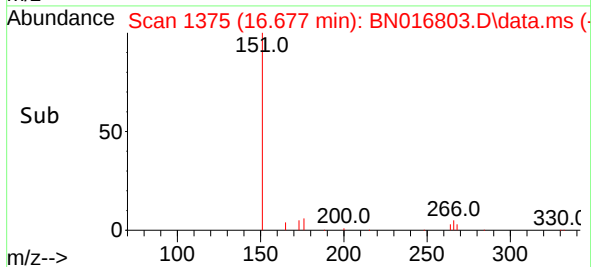
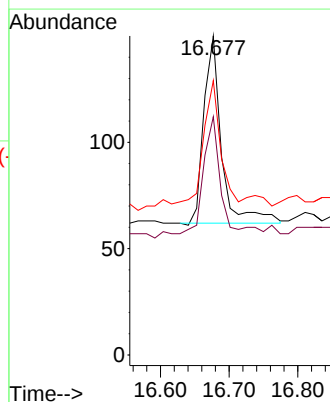
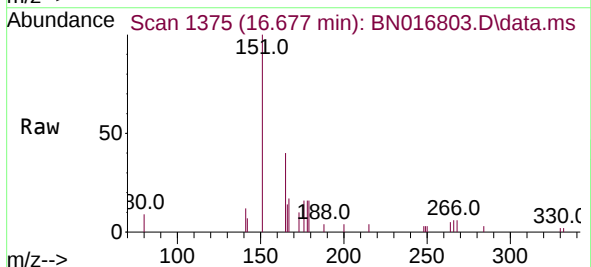
Instrument :
BNA_N
ClientSampled :

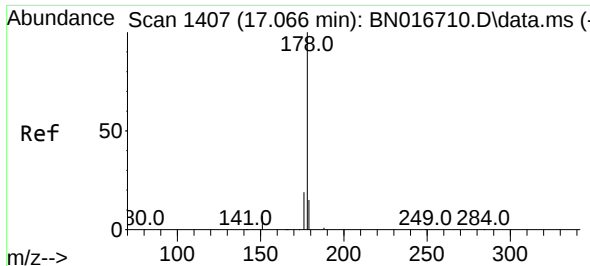
Tgt Ion:198 Resp: 15
Ion Ratio Lower Upper
198 100
182 1026.2 26.2 39.2#
77 0.0 0.0 0.0



#24
Pentachlorophenol
Concen: 0.343 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:266 Resp: 157
Ion Ratio Lower Upper
266 100
264 56.1 49.3 73.9
268 63.1 51.8 77.8

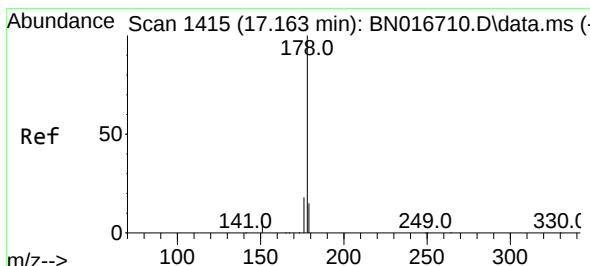
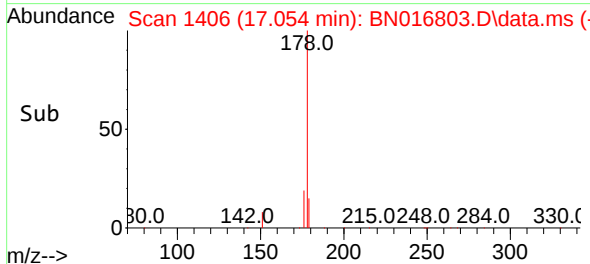
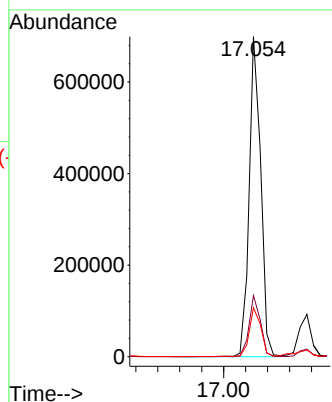
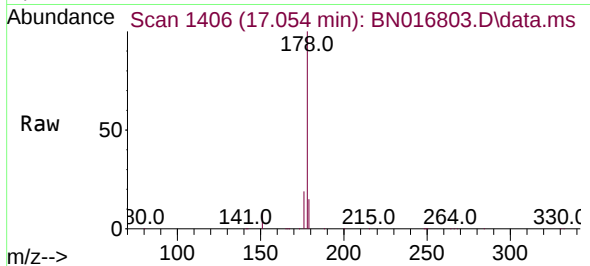




#25
Phenanthrene
Concen: 3.414 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

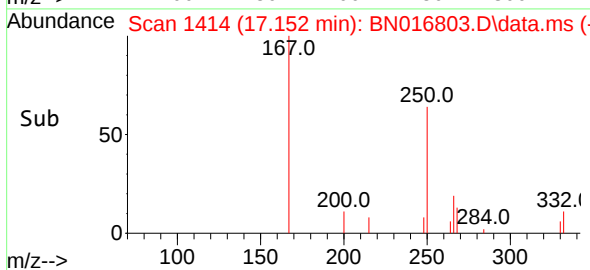
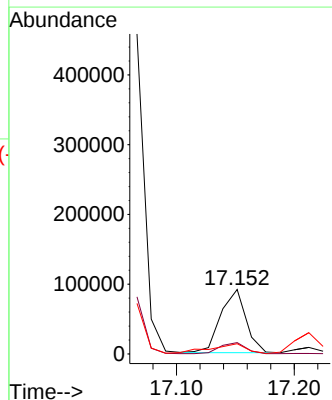
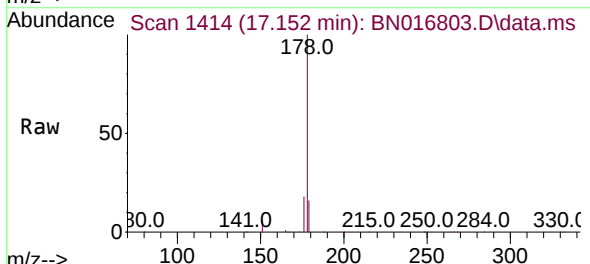
Instrument :
BNA_N
ClientSampled :

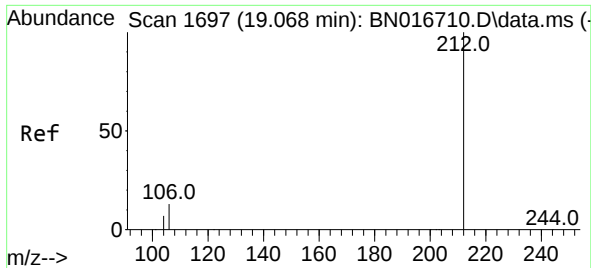
Tgt Ion:178 Resp: 1020528
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.4 18.6



#26
Anthracene
Concen: 0.506 ng
RT: 17.152 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:178 Resp: 135192
Ion Ratio Lower Upper
178 100
176 18.1 14.5 21.7
179 21.3 12.2 18.4#

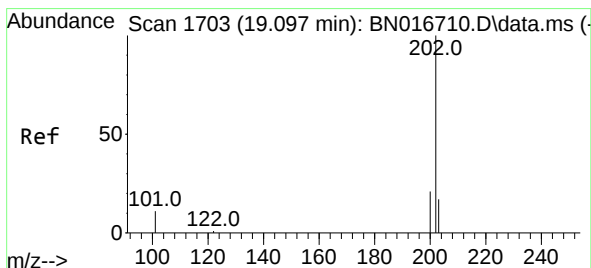
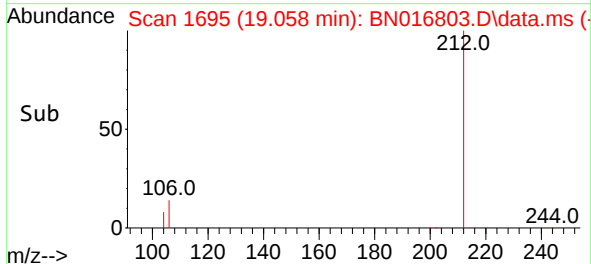
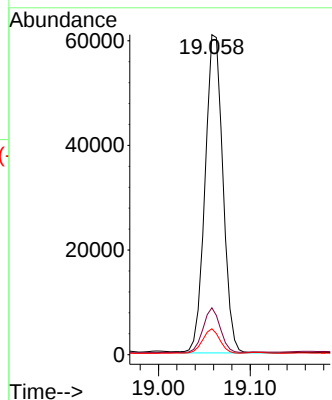
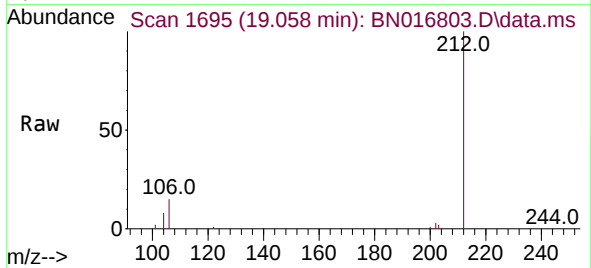




#27
Fluoranthene-d10
Concen: 0.295 ng
RT: 19.058 min Scan# 1695
Delta R.T. -0.005 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

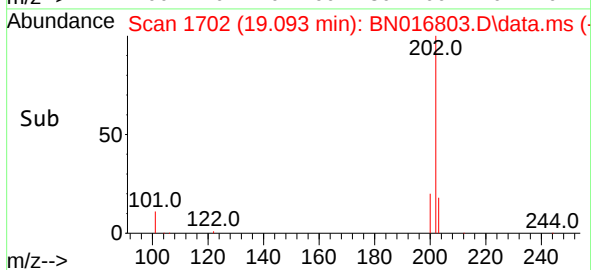
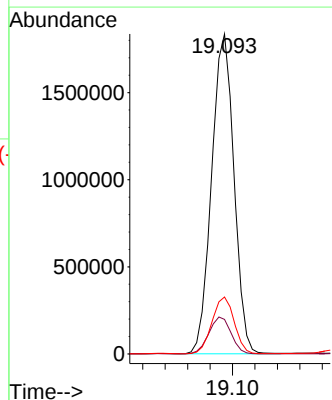
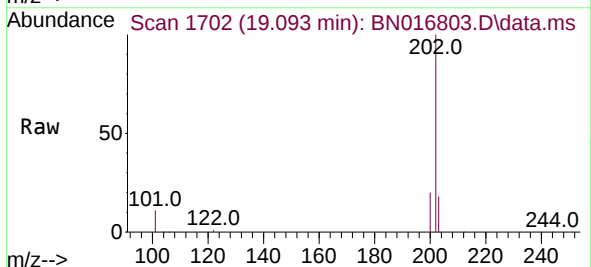
Instrument :
BNA_N
ClientSampled :

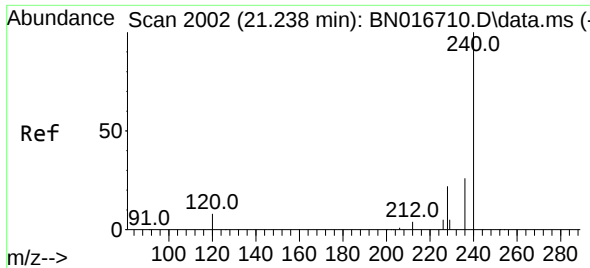
Tgt Ion:212 Resp: 82007
Ion Ratio Lower Upper
212 100
106 13.8 10.6 16.0
104 7.6 5.8 8.8



#28
Fluoranthene
Concen: 7.651 ng
RT: 19.093 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:202 Resp: 2538129
Ion Ratio Lower Upper
202 100
101 11.5 8.9 13.3
203 17.7 13.8 20.8

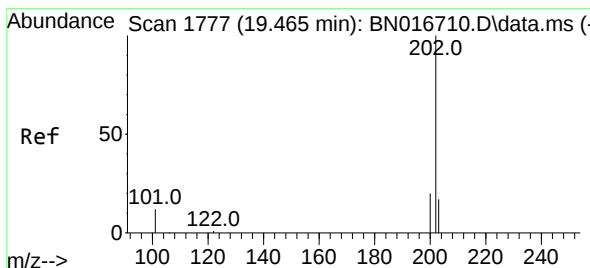
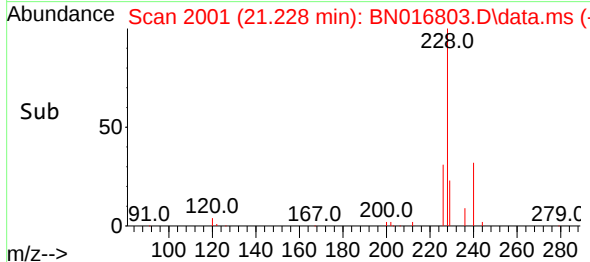
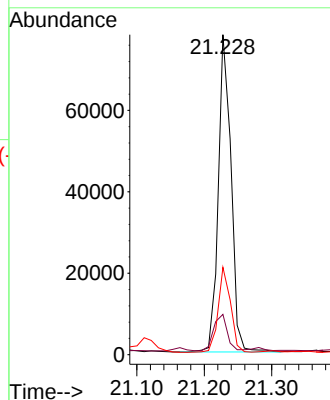
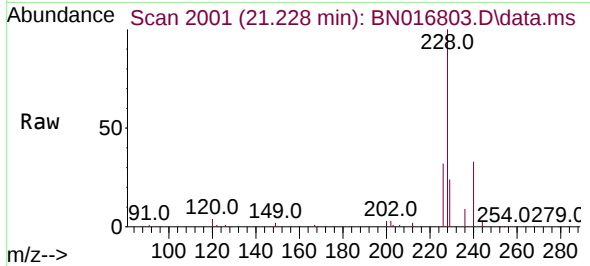




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.228 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

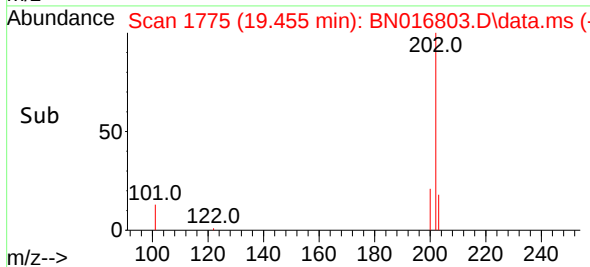
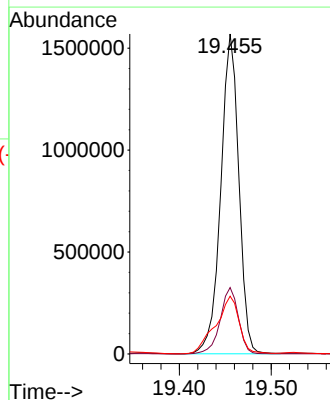
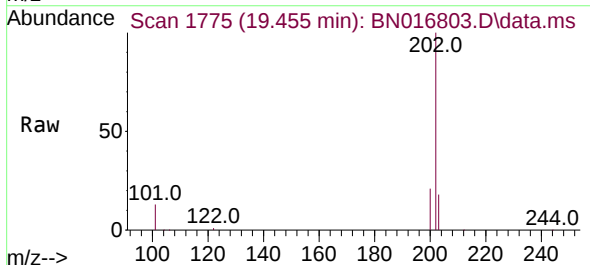
Instrument :
BNA_N
ClientSampled :

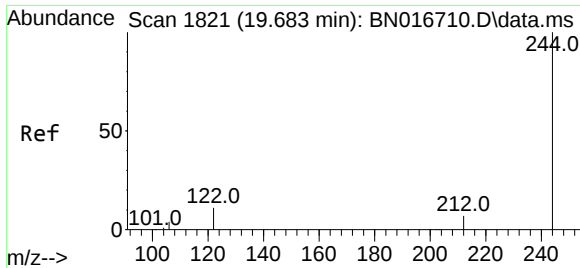
Tgt Ion:240 Resp: 102215
Ion Ratio Lower Upper
240 100
120 12.6 6.6 10.0#
236 27.3 20.7 31.1



#30
Pyrene
Concen: 6.391 ng
RT: 19.455 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:202 Resp: 2147953
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 23.5 13.9 20.9#

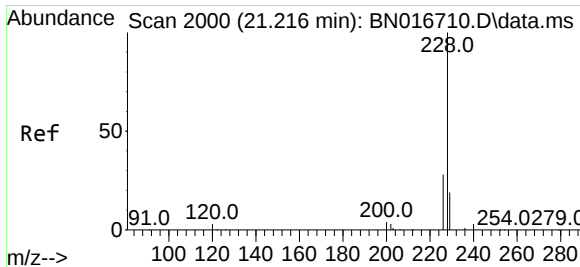
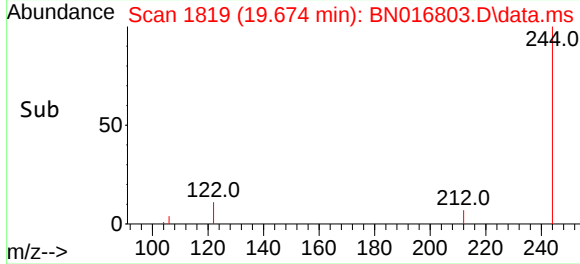
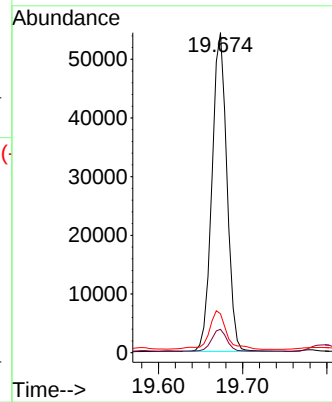
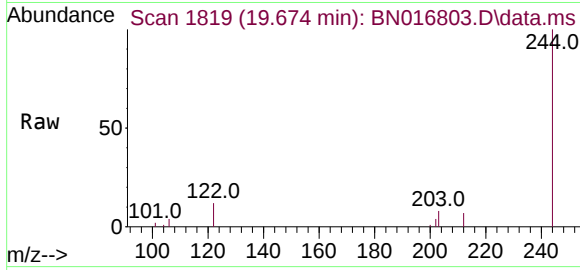




#31
Terphenyl-d14
Concen: 0.293 ng
RT: 19.674 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

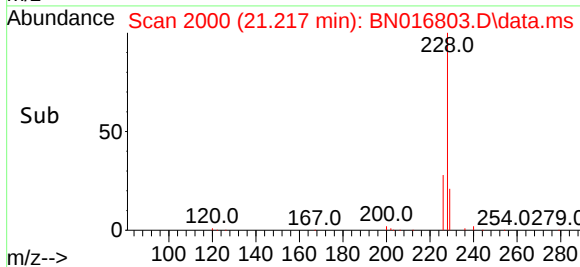
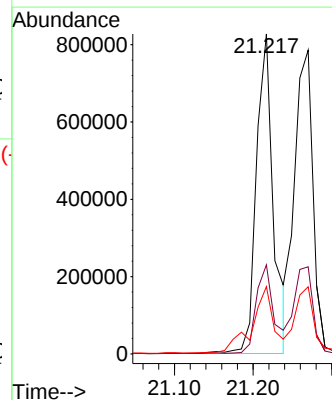
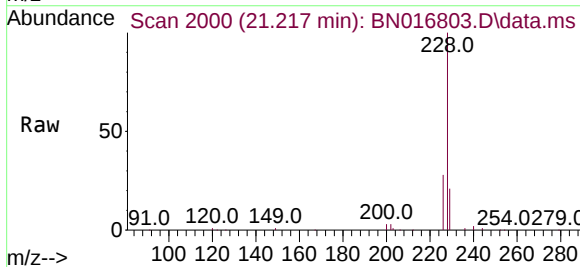
Instrument :
BNA_N
ClientSampled :

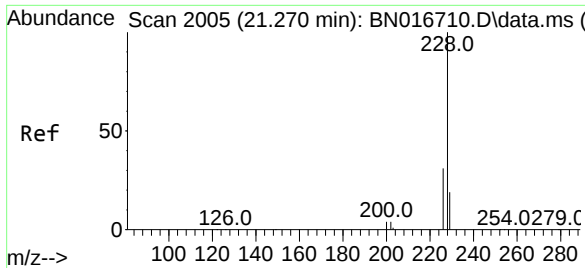
Tgt Ion:244 Resp: 66938
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 12.1 8.9 13.3



#32
Benzo(a)anthracene
Concen: 3.902 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:228 Resp: 1236974
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 21.1 15.4 23.0



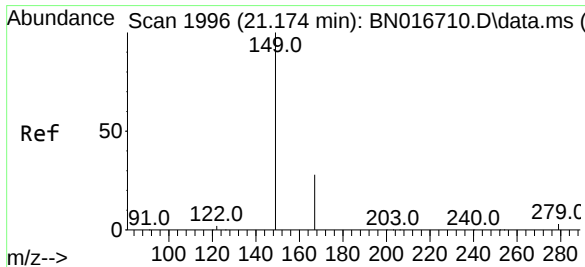
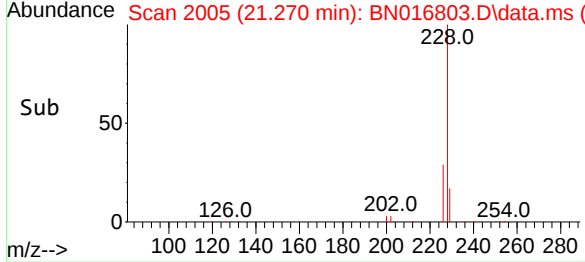
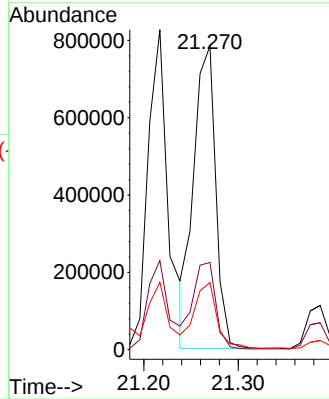
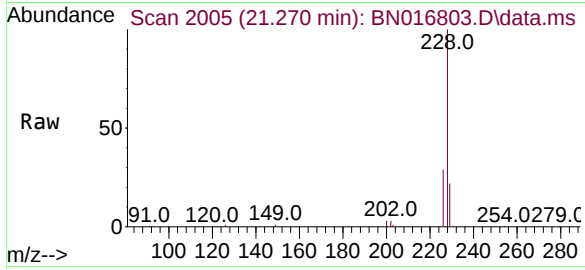


#33
Chrysene
Concen: 3.945 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Instrument :
BNA_N
ClientSampled :

Tgt Ion:228 Resp: 1268806

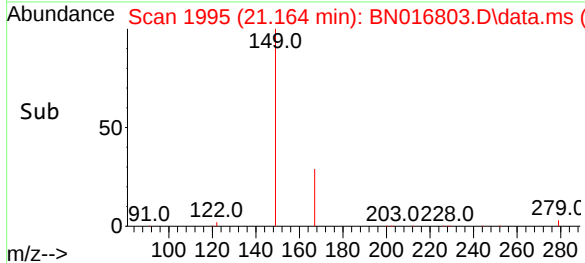
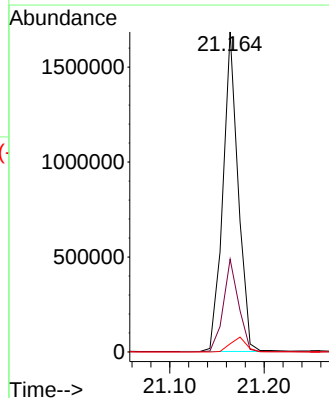
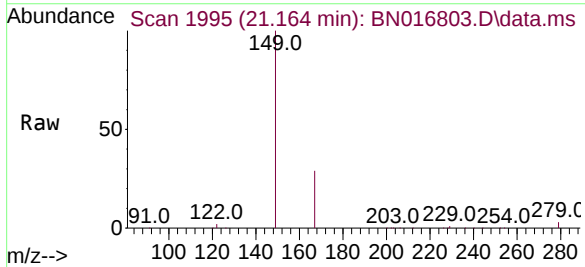
Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.4
229	22.1	15.4	23.0

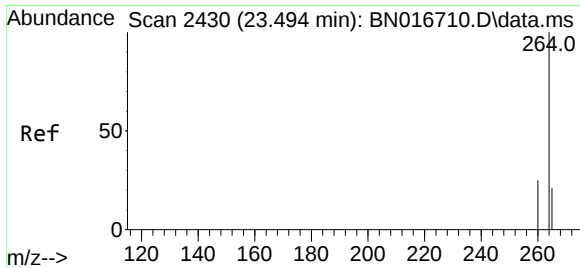


#34
Bis(2-ethylhexyl)phthalate
Concen: 9.812 ng
RT: 21.164 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:149 Resp: 1886429

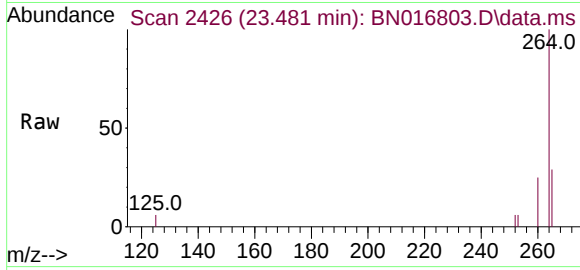
Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.2	33.4
279	4.7	3.4	5.2





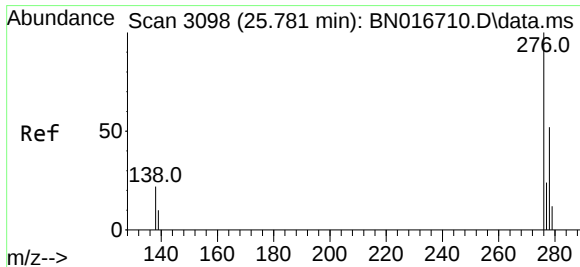
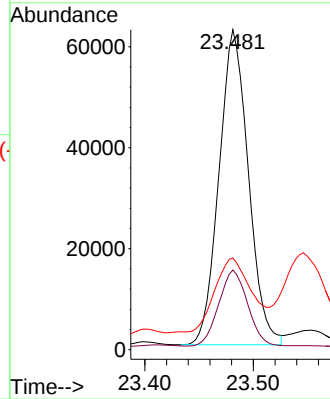
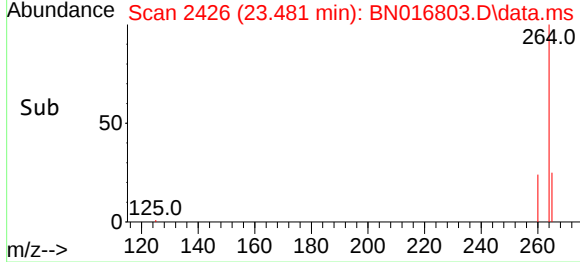
#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.481 min Scan# 2426
 Delta R.T. 0.000 min
 Lab File: BN016803.D
 Acq: 07 Oct 2021 06:44

Instrument :
 BNA_N
 ClientSampled :

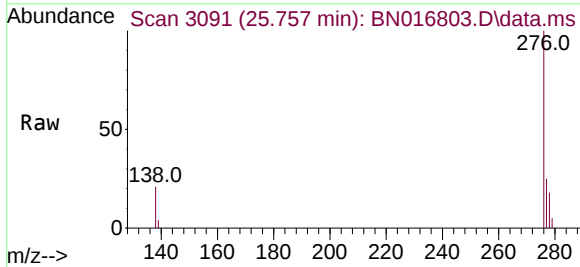


Tgt Ion:264 Resp: 117406

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.6
265	28.6	20.3	30.5

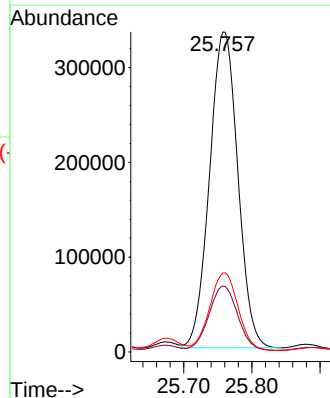
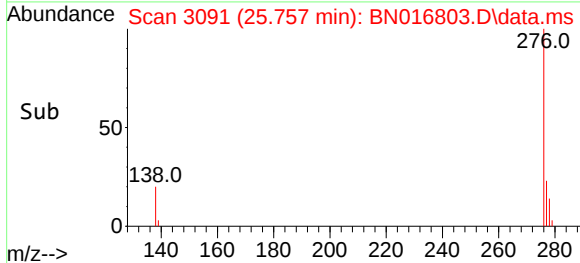


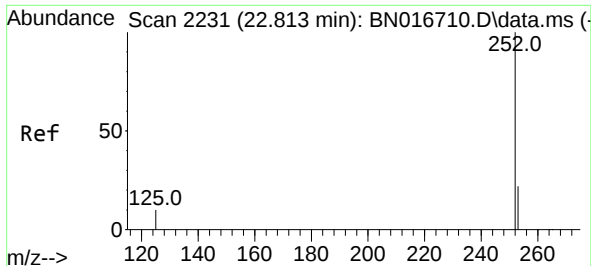
#36
 Indeno(1,2,3-cd)pyrene
 Concen: 2.582 ng
 RT: 25.757 min Scan# 3091
 Delta R.T. 0.004 min
 Lab File: BN016803.D
 Acq: 07 Oct 2021 06:44



Tgt Ion:276 Resp: 962422

Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.2	28.8
277	24.7	20.0	30.0

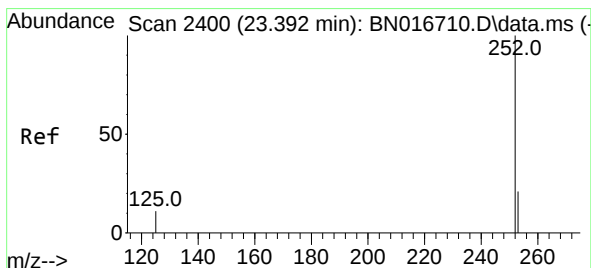
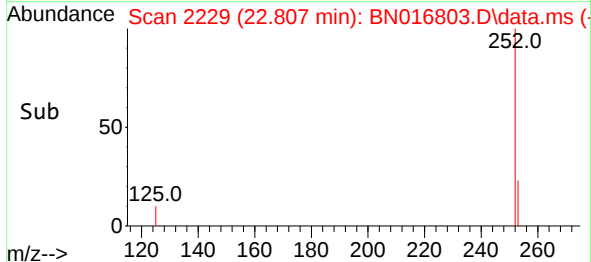
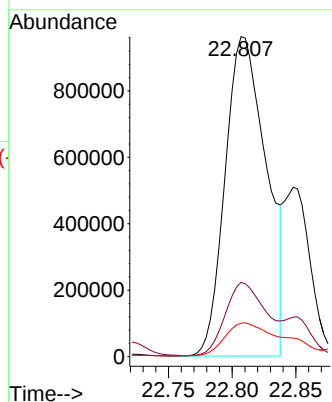
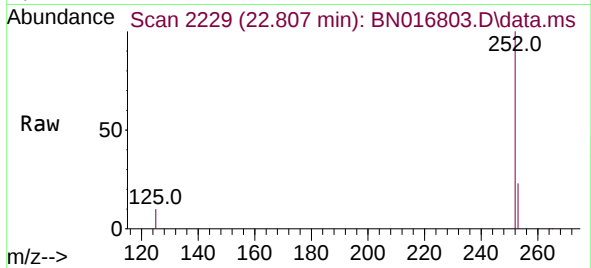




#37
Benzo(b)fluoranthene
Concen: 5.717 ng
RT: 22.807 min Scan# 2229
Delta R.T. 0.004 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

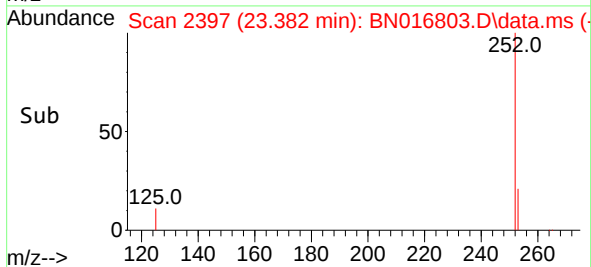
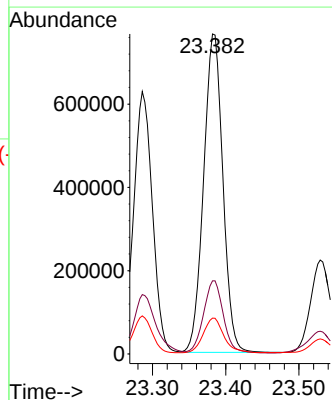
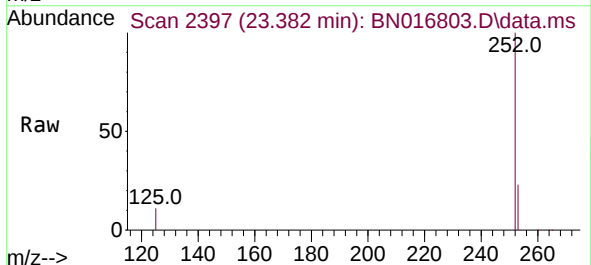
Instrument :
BNA_N
ClientSampled :

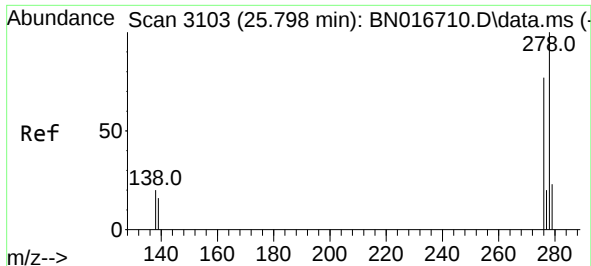
Tgt Ion:252 Resp: 2170490
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 10.5 8.3 12.5



#39
Benzo(a)pyrene
Concen: 4.115 ng
RT: 23.382 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:252 Resp: 1397915
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 11.2 9.4 14.2

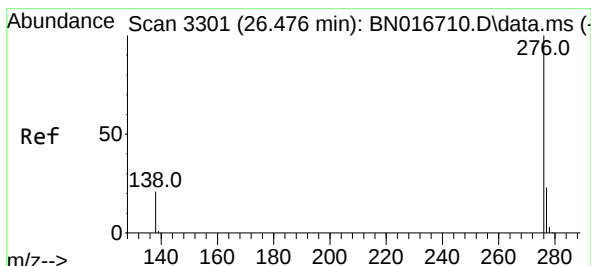
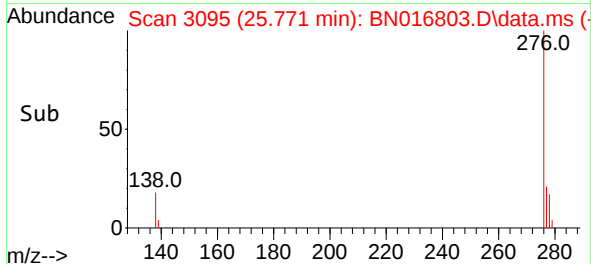
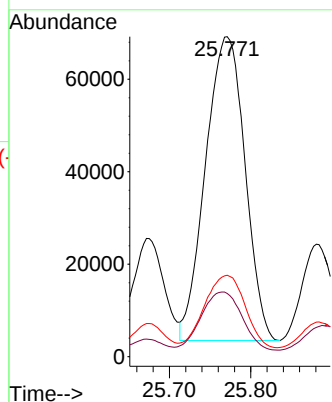
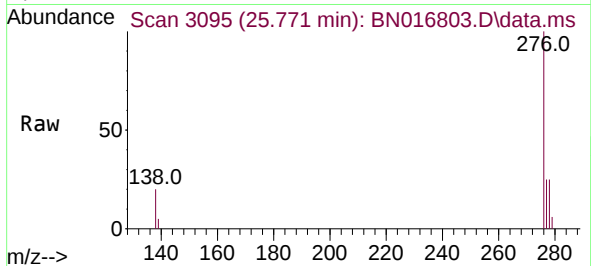




#40
Dibenzo(a,h)anthracene
Concen: 0.749 ng
RT: 25.771 min Scan# 3095
Delta R.T. -0.007 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Instrument :
BNA_N
ClientSampled :

Tgt Ion:278 Resp: 221428
Ion Ratio Lower Upper
278 100
139 19.7 13.1 19.7#
279 25.5 19.3 28.9



#41
Benzo(g,h,i)perylene
Concen: 2.706 ng
RT: 26.456 min Scan# 3295
Delta R.T. 0.004 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:276 Resp: 895437
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.4
138 21.0 17.0 25.6

