

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018196.D
 Acq On : 24 Dec 2021 01:37
 Operator : CG/JU
 Sample : M5107-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

Quant Time: Dec 24 23:33:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 23 14:22:48 2021
 Response via : Initial Calibration

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

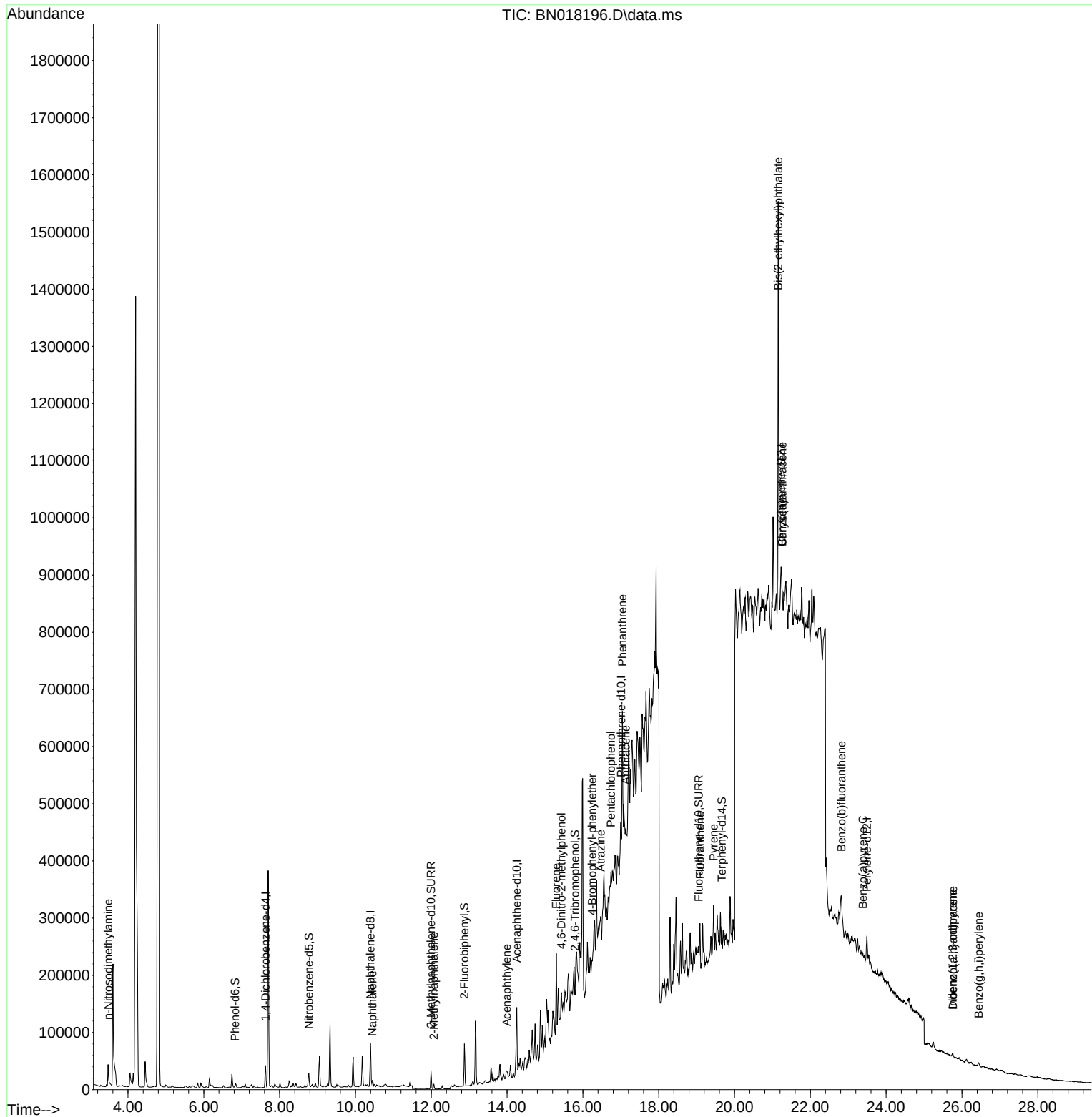
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	21334	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	92195	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	61963	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	92986	0.400	ng	# 0.01
29) Chrysene-d12	21.227	240	61415	0.400	ng	# 0.03
35) Perylene-d12	23.491	264	75443	0.400	ng	# 0.07
System Monitoring Compounds						
4) 2-Fluorophenol	5.254	112	176	0.004	ng	0.03
5) Phenol-d6	6.822	99	2108	0.042	ng	0.00
8) Nitrobenzene-d5	8.772	82	19430	0.313	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	39736	0.251	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	149	0.184	ng	0.04
15) 2-Fluorobiphenyl	12.873	172	59789	0.258	ng	-0.01
27) Fluoranthene-d10	19.053	212	53872	0.183	ng	0.02
31) Terphenyl-d14	19.664	244	42546	0.315	ng	0.02
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.475	42	12404	0.665	ng	# 1
9) Naphthalene	10.445	128	11583	0.051	ng	95
12) 2-Methylnaphthalene	12.065	142	6013	0.040	ng	# 93
16) Acenaphthylene	13.990	152	9843	0.043	ng	# 25
18) Fluorene	15.296	166	19199	0.097	ng	# 47
20) 4,6-Dinitro-2-methylph...	15.436	198	2746	0.578	ng	# 1
21) 4-Bromophenyl-phenylether	16.239	248	2444	0.043	ng	# 1
23) Atrazine	16.470	200	12414	0.368	ng	# 1
24) Pentachlorophenol	16.738	266	5612	0.478	ng	# 22
25) Phenanthrene	17.042	178	246324	0.998	ng	# 74
26) Anthracene	17.127	178	7308	0.036	ng	# 47
28) Fluoranthene	19.088	202	79399	0.276	ng	# 79
30) Pyrene	19.450	202	78809	0.400	ng	98
32) Benzo(a)anthracene	21.259	228	83068	0.466	ng	# 1
33) Chrysene	21.259	228	57402	0.295	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.153	149	655365	6.837	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.754	276	8848	0.041	ng	# 69
37) Benzo(b)fluoranthene	22.817	252	34991	0.150	ng	# 1
39) Benzo(a)pyrene	23.389	252	7145	0.034	ng	# 1
40) Dibenzo(a,h)anthracene	25.764	278	3116	0.047	ng	# 1
41) Benzo(g,h,i)perylene	26.442	276	13403	0.067	ng	# 1

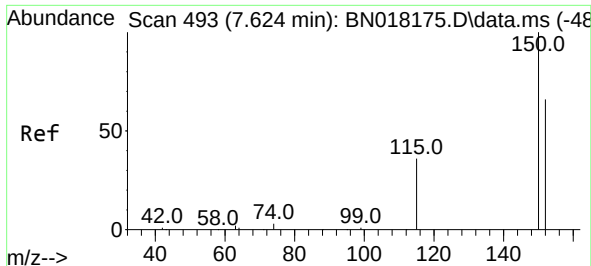
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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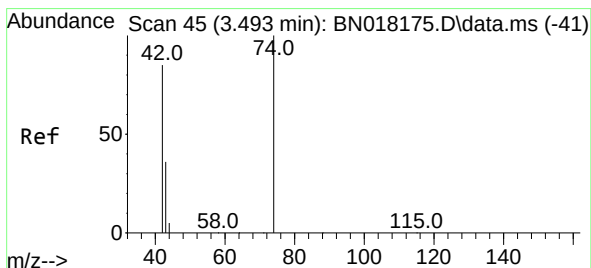
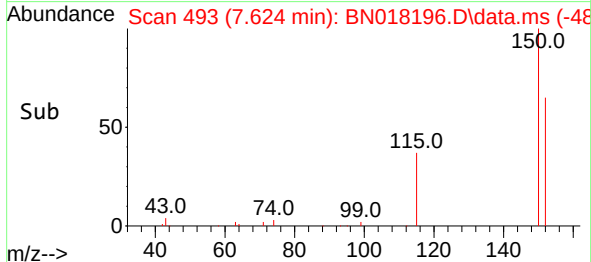
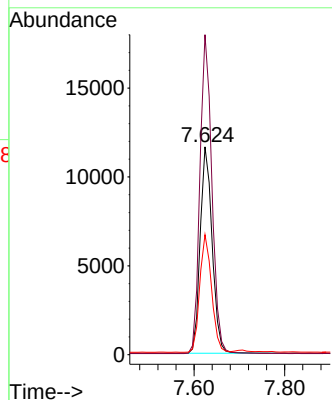
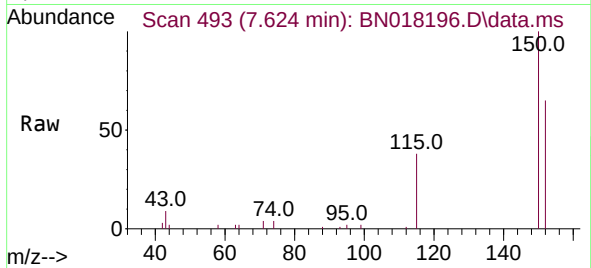




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 49
Delta R.T. 0.000 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

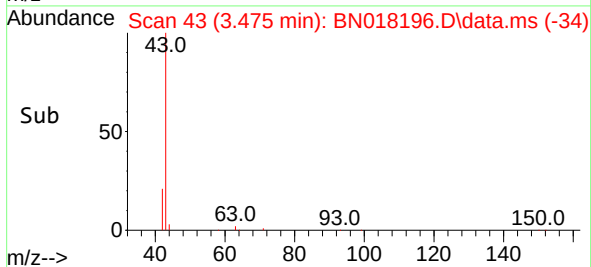
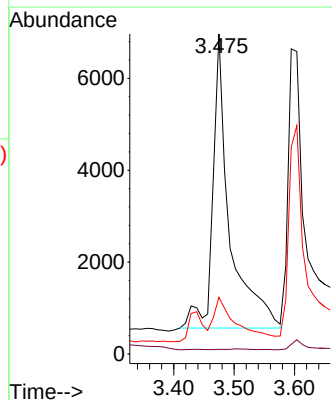
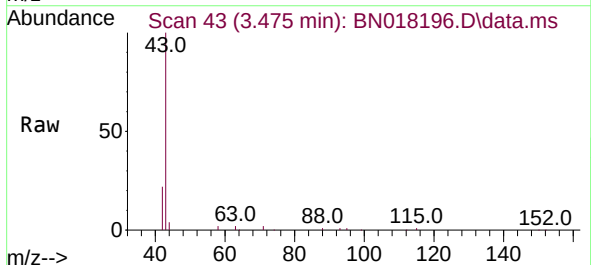
Instrument :
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OB-CS-05

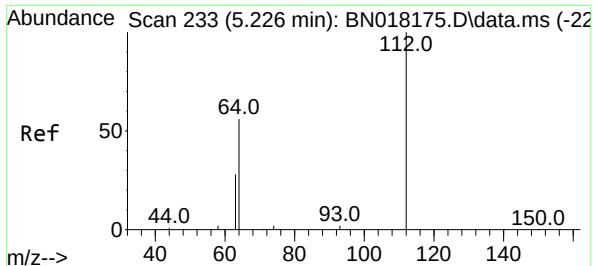
Tgt Ion:152 Resp: 21334
Ion Ratio Lower Upper
152 100
150 153.9 121.7 182.5
115 57.7 43.8 65.8



#3
n-Nitrosodimethylamine
Concen: 0.665 ng
RT: 3.475 min Scan# 43
Delta R.T. -0.018 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion: 42 Resp: 12404
Ion Ratio Lower Upper
42 100
74 0.0 108.6 163.0#
44 16.4 5.8 8.8#

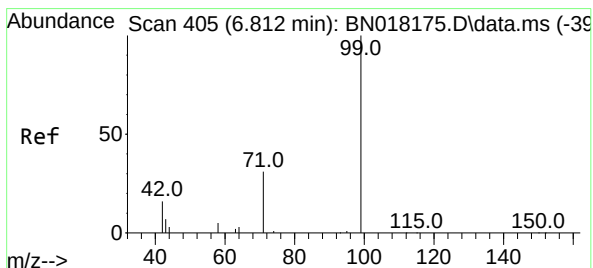
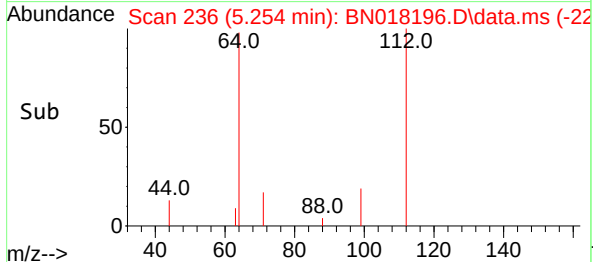
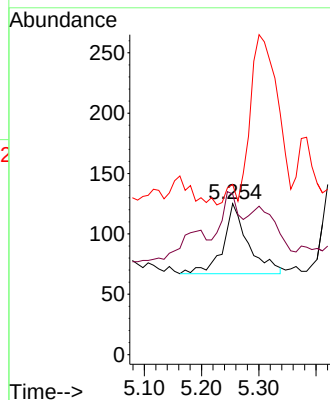
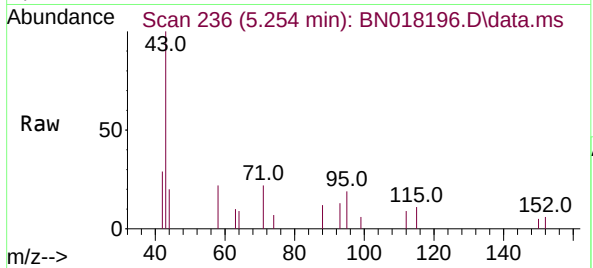




#4
2-Fluorophenol
Concen: 0.004 ng
RT: 5.254 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

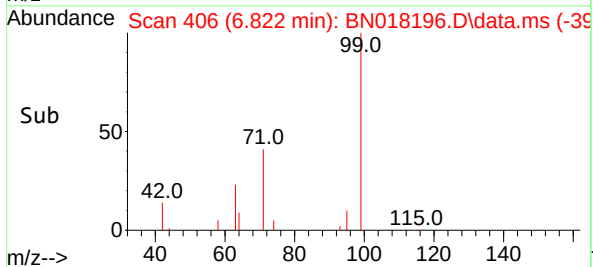
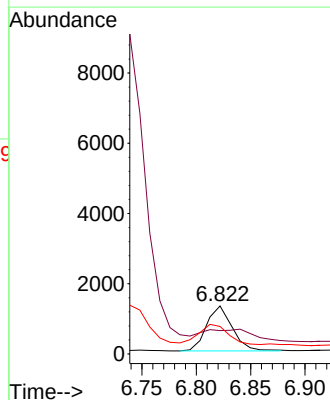
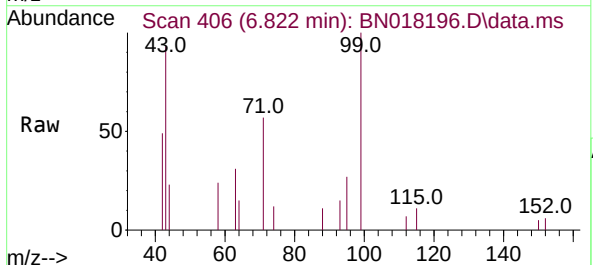
Instrument :
BNA_N
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OB-CS-05

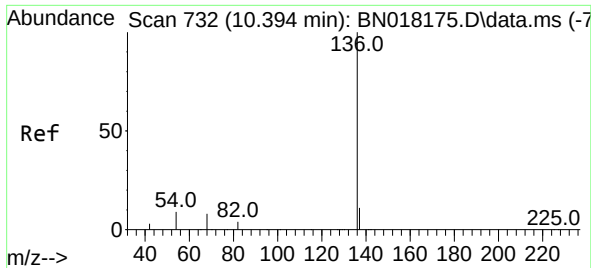
Tgt Ion:112 Resp: 176
Ion Ratio Lower Upper
112 100
64 43.2 48.0 72.0#
63 0.0 25.3 37.9#



#5
Phenol-d6
Concen: 0.042 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.010 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion: 99 Resp: 2108
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5#
71 49.8 26.8 40.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

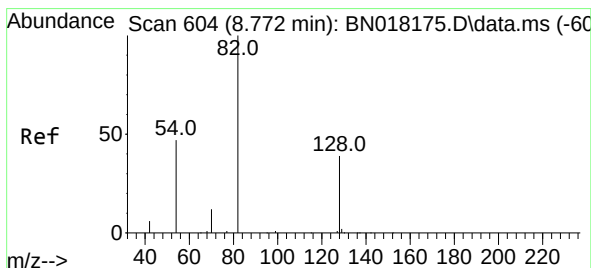
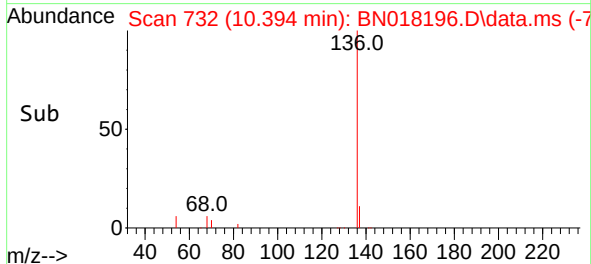
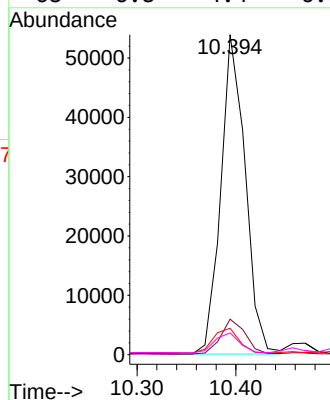
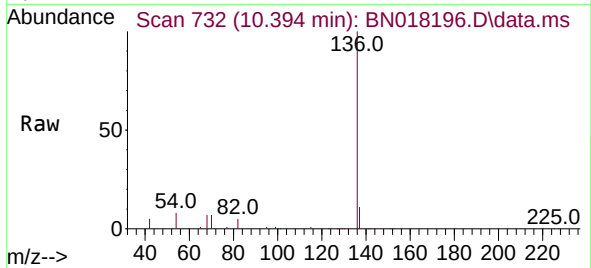
Instrument :

BNA_N

ClientSampleId :

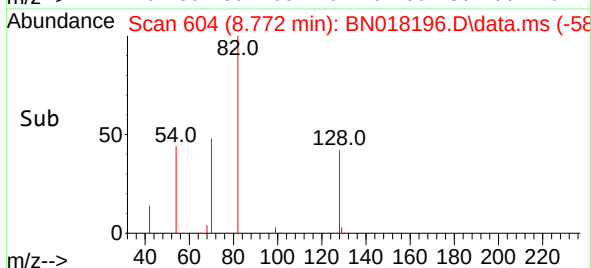
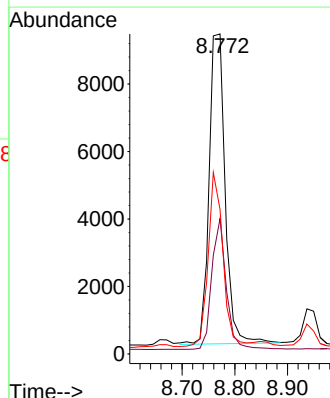
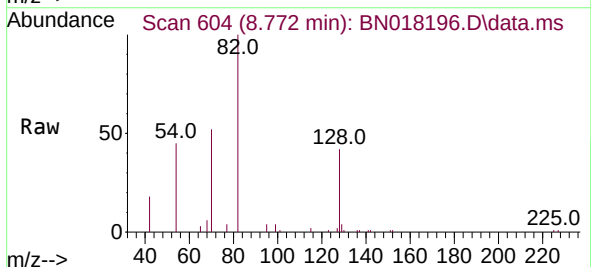
OB-CS-05

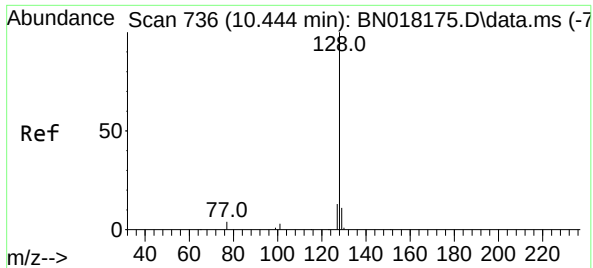
Tgt Ion:	136	Resp:	92195
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.2	5.0	7.6#
68	6.8	4.4	6.6#



#8
Nitrobenzene-d5
Concen: 0.313 ng
RT: 8.772 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:	82	Resp:	19430
Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.7	50.5
54	45.2	36.6	55.0

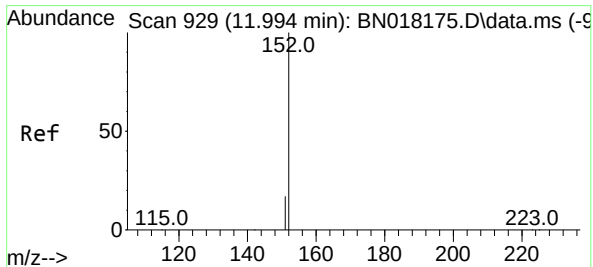
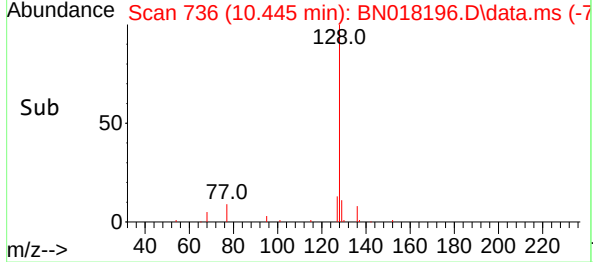
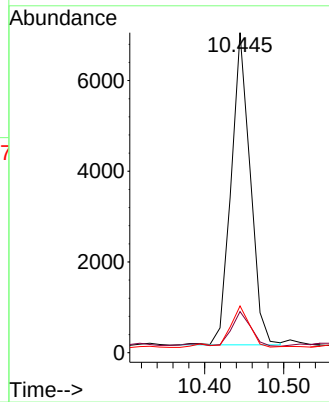
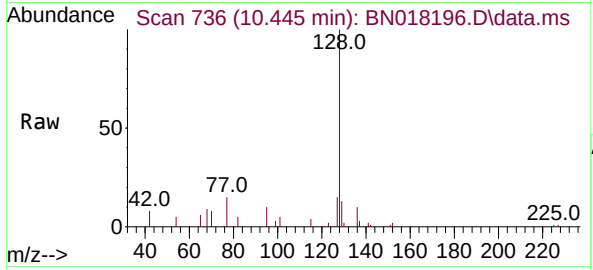




#9
Naphthalene
Concen: 0.051 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.001 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

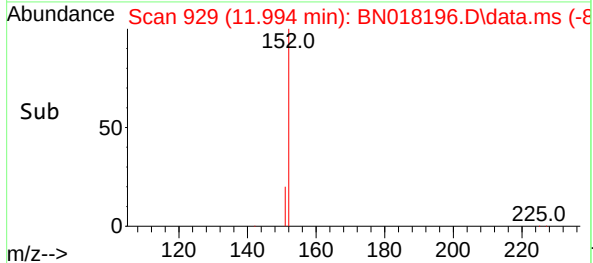
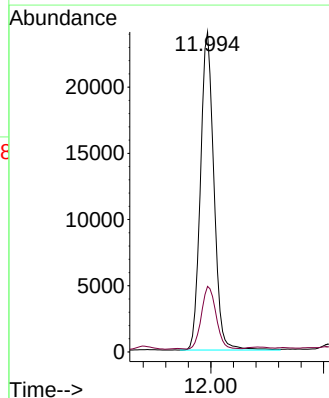
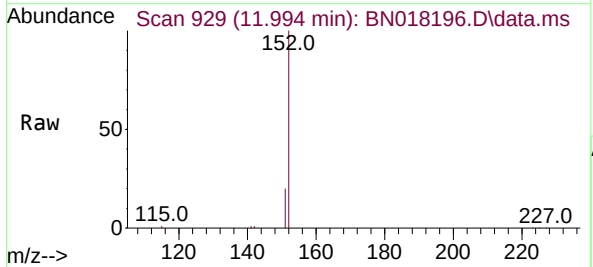
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

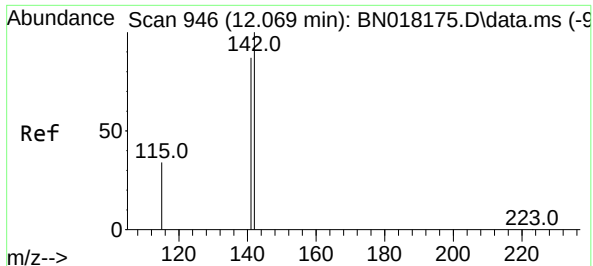
Tgt Ion:	128	Resp:	11583
Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.7	13.1
127	14.6	10.4	15.6



#11
2-Methylnaphthalene-d10
Concen: 0.251 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.000 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:	152	Resp:	39736
Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.2	24.2





#12

2-Methylnaphthalene

Concen: 0.040 ng

RT: 12.065 min Scan# 946

Delta R.T. -0.004 min

Lab File: BN018196.D

Acq: 24 Dec 2021 01:37

Instrument :

BNA_N

ClientSampleId :

OB-CS-05

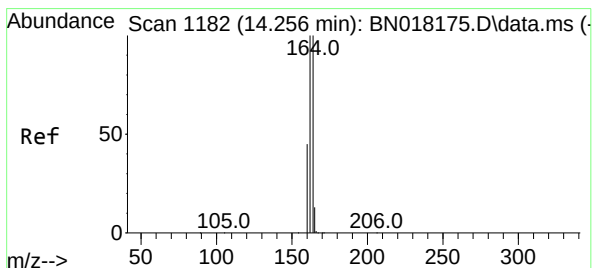
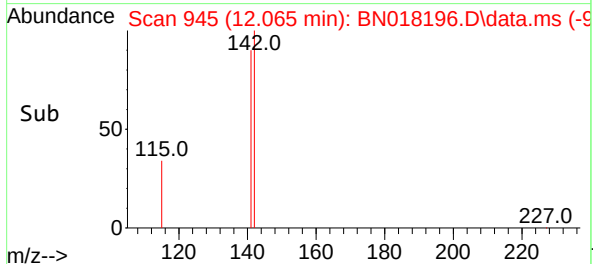
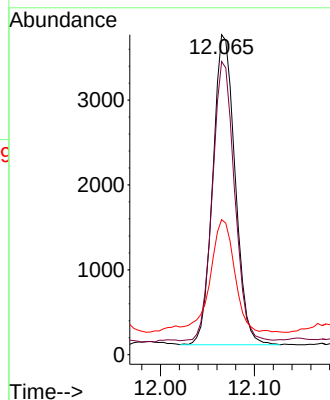
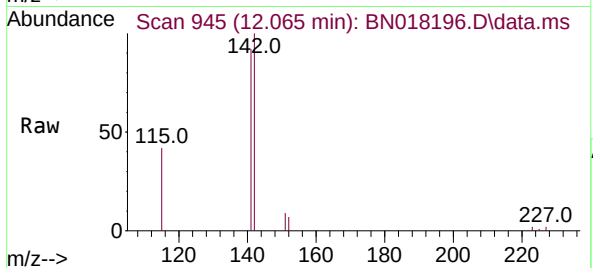
Tgt Ion:142 Resp: 6013

Ion Ratio Lower Upper

142 100

141 91.6 70.0 105.0

115 42.2 27.8 41.8#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.256 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BN018196.D

Acq: 24 Dec 2021 01:37

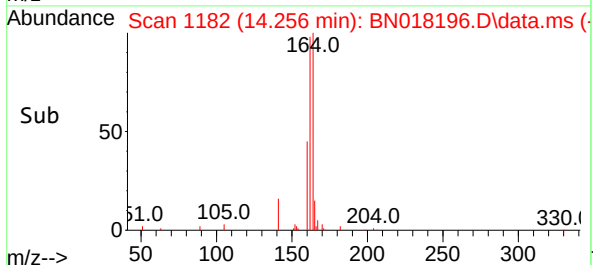
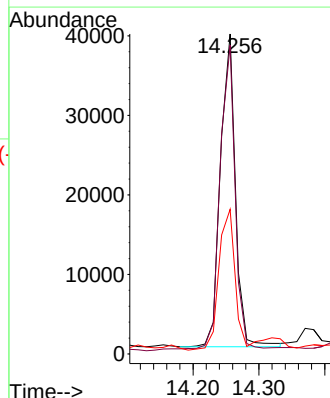
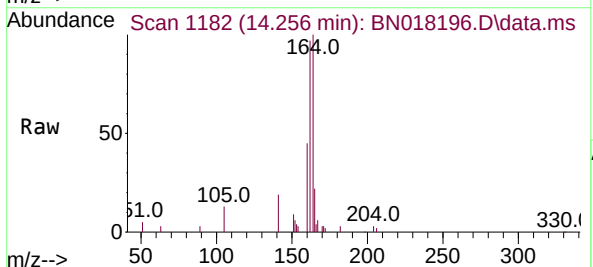
Tgt Ion:164 Resp: 61963

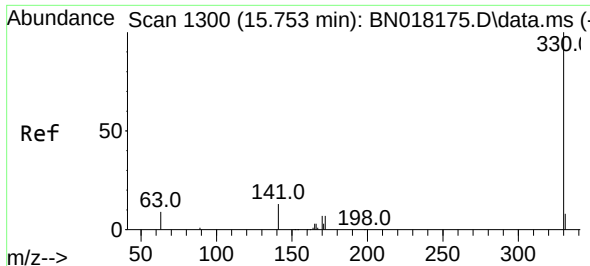
Ion Ratio Lower Upper

164 100

162 96.5 80.2 120.2

160 45.2 36.9 55.3

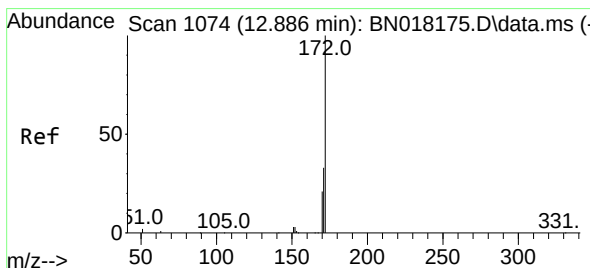
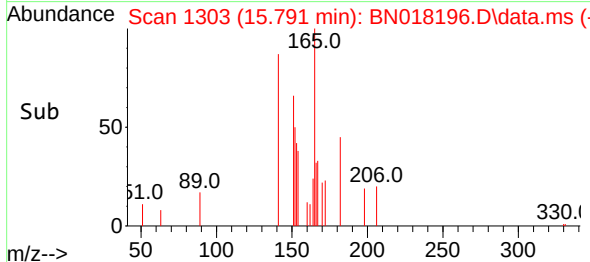
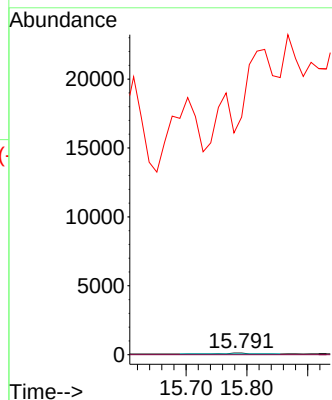
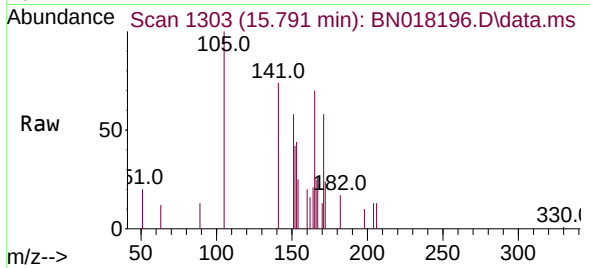




#14
2,4,6-Tribromophenol
Concen: 0.184 ng
RT: 15.791 min Scan# 11
Delta R.T. 0.038 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

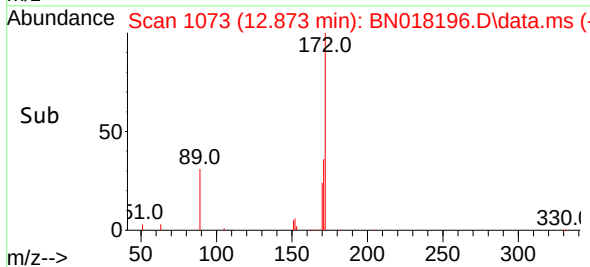
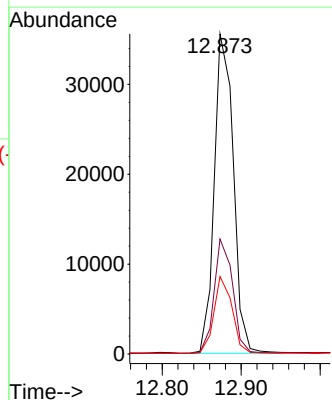
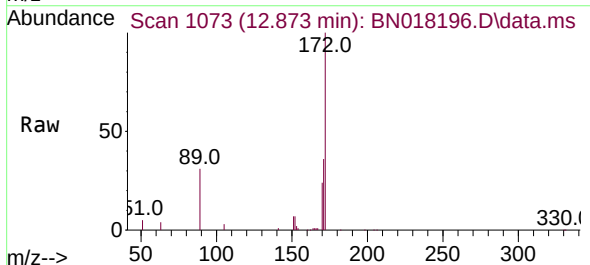
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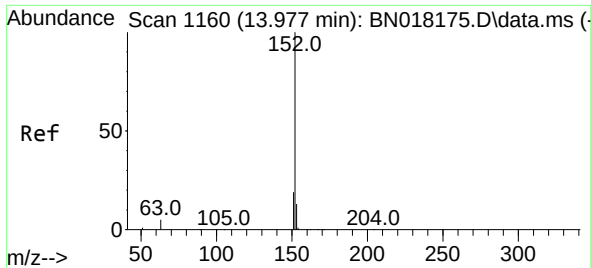
Tgt Ion:330 Resp: 149
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#



#15
2-Fluorobiphenyl
Concen: 0.258 ng
RT: 12.873 min Scan# 1073
Delta R.T. -0.013 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:172 Resp: 59789
Ion Ratio Lower Upper
172 100
171 35.9 27.4 41.0
170 24.2 18.4 27.6

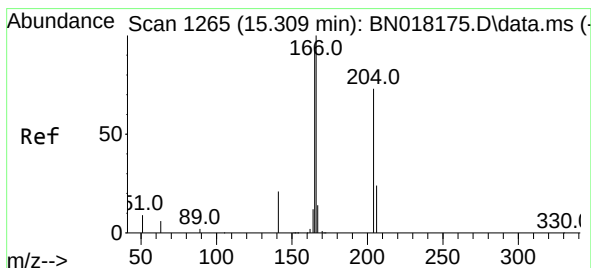
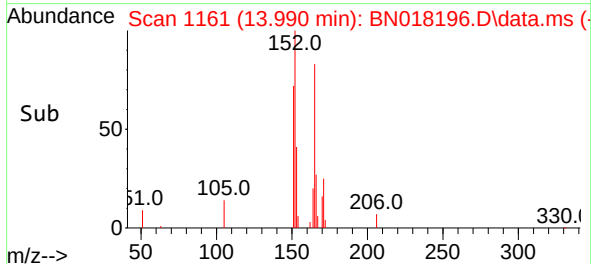
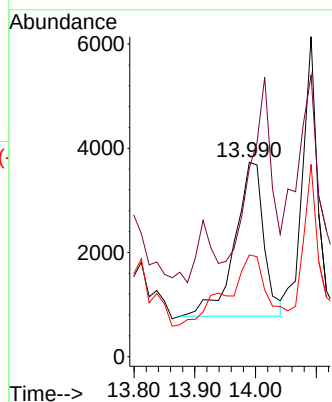
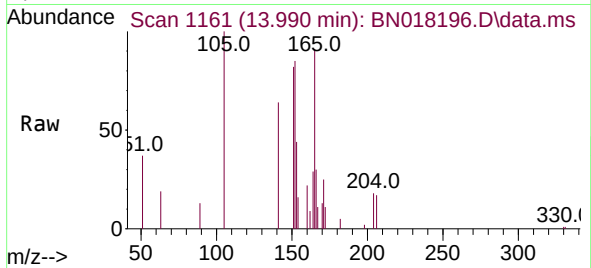




#16
Acenaphthylene
Concen: 0.043 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.013 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

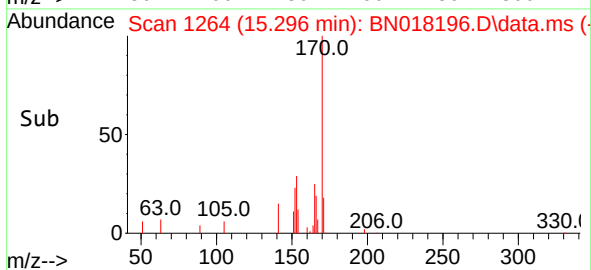
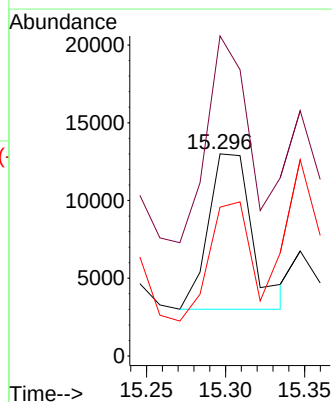
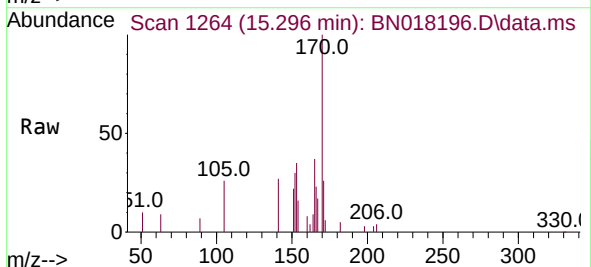
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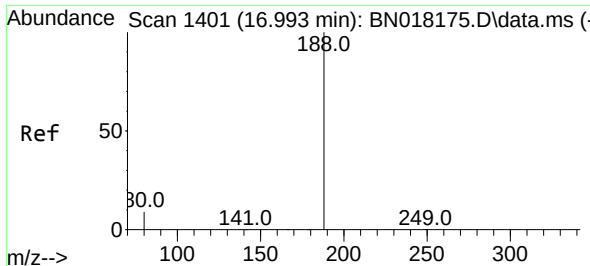
Tgt Ion:152 Resp: 9843
Ion Ratio Lower Upper
152 100
151 0.0 15.8 23.6#
153 62.1 10.5 15.7#



#18
Fluorene
Concen: 0.097 ng
RT: 15.296 min Scan# 1264
Delta R.T. -0.013 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:166 Resp: 19199
Ion Ratio Lower Upper
166 100
165 136.8 77.8 116.6#
167 71.4 10.9 16.3#

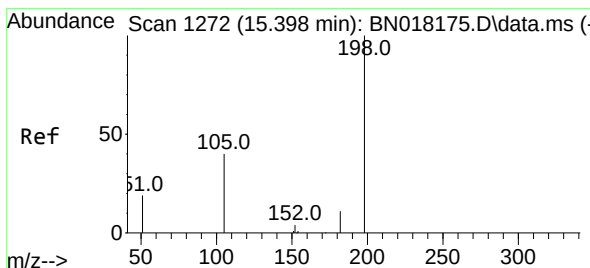
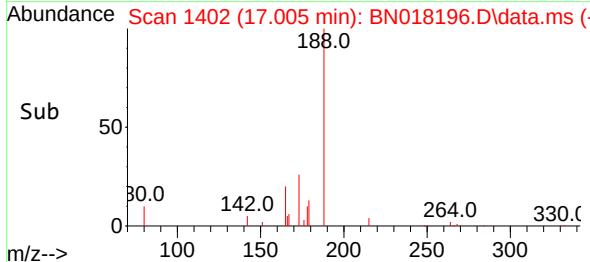
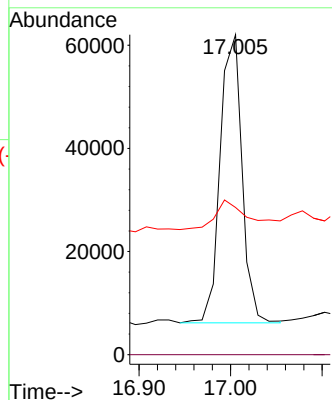
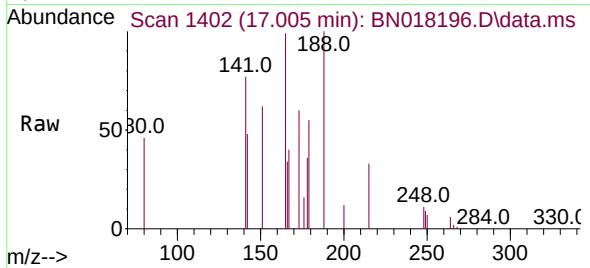




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.012 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

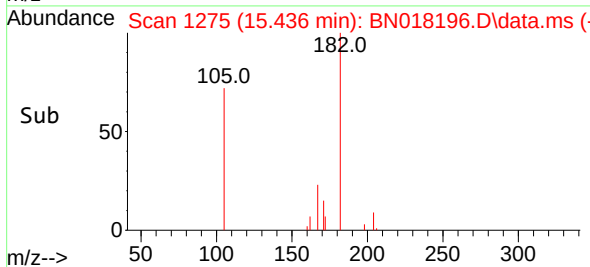
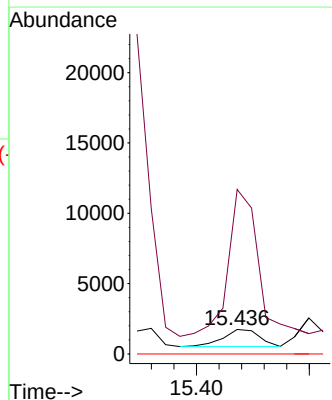
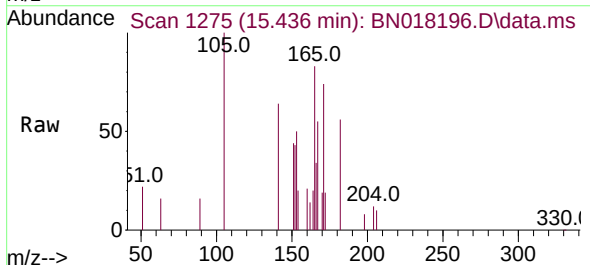
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

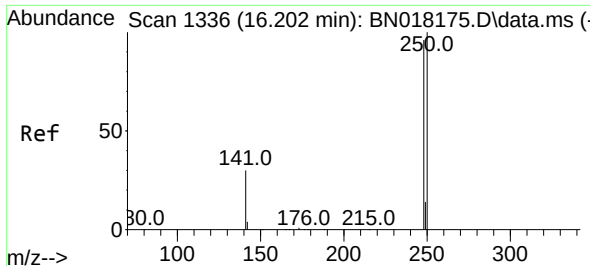
Tgt Ion:188 Resp: 92986
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 46.0 7.0 10.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.578 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.038 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:198 Resp: 2746
Ion Ratio Lower Upper
198 100
182 672.8 15.5 23.3#
77 0.0 0.0 0.0

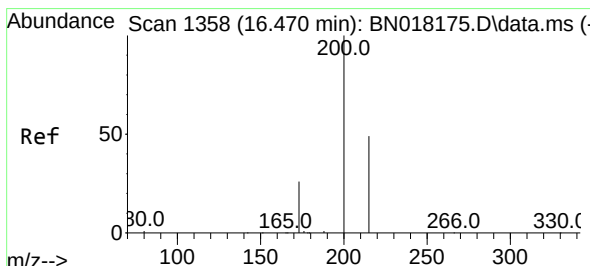
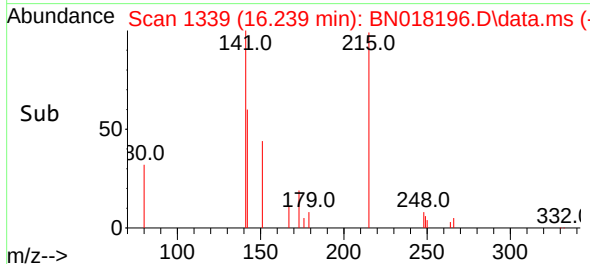
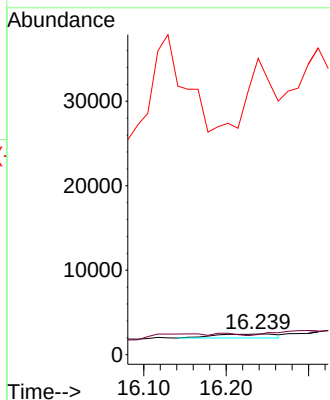
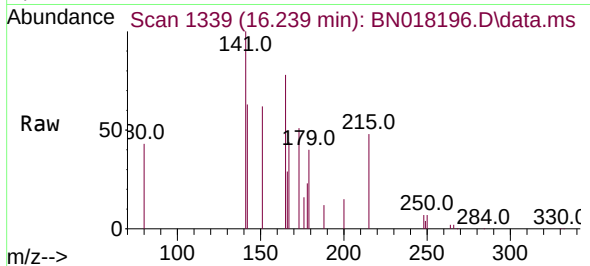




#21
4-Bromophenyl-phenylether
Concen: 0.043 ng
RT: 16.239 min Scan# 1339
Delta R.T. 0.037 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

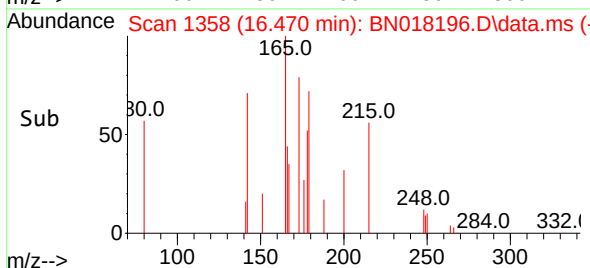
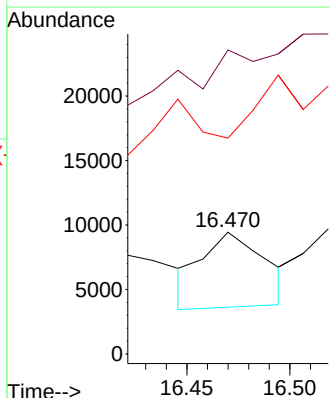
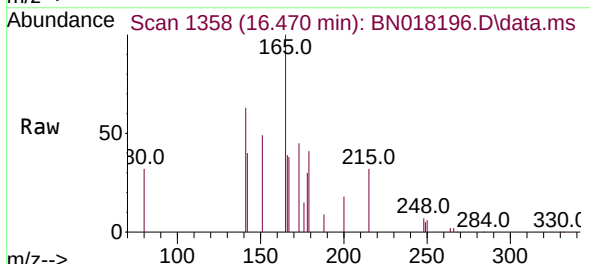
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

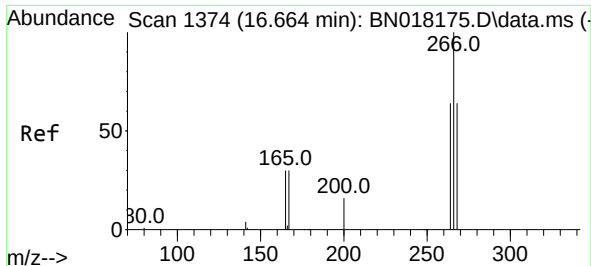
Tgt Ion:248 Resp: 2444
Ion Ratio Lower Upper
248 100
250 97.0 74.4 111.6
141 1430.1 43.7 65.5#



#23
Atrazine
Concen: 0.368 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.000 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:200 Resp: 12414
Ion Ratio Lower Upper
200 100
173 249.7 20.3 30.5#
215 177.3 40.4 60.6#

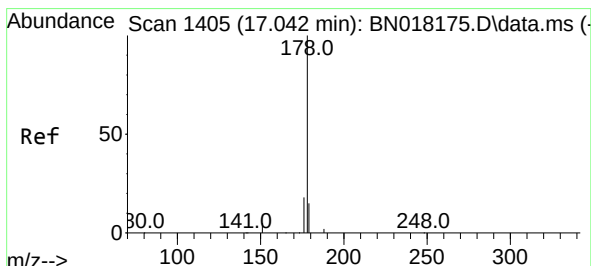
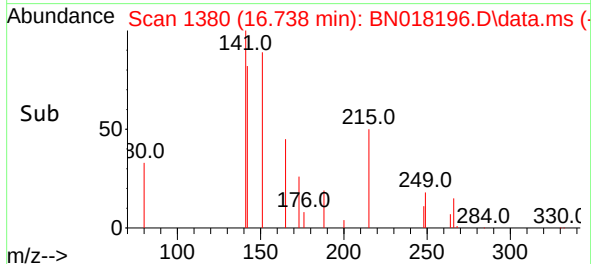
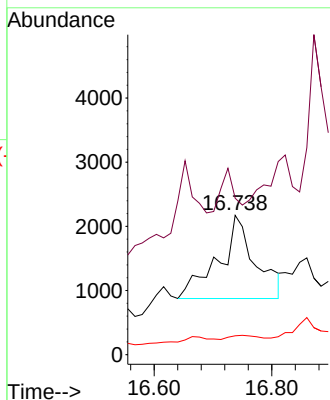
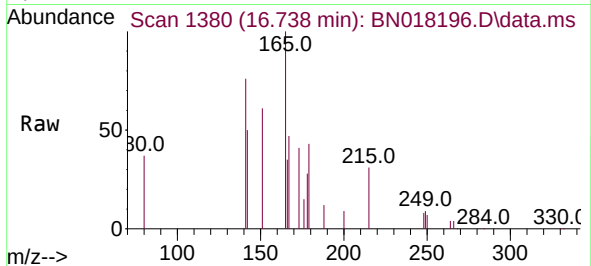




#24
 Pentachlorophenol
 Concen: 0.478 ng
 RT: 16.738 min Scan# 1380
 Delta R.T. 0.074 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

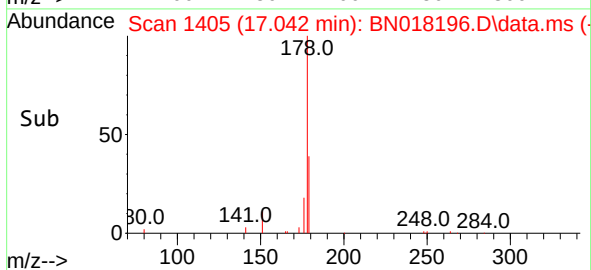
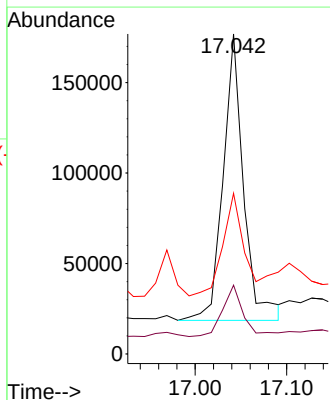
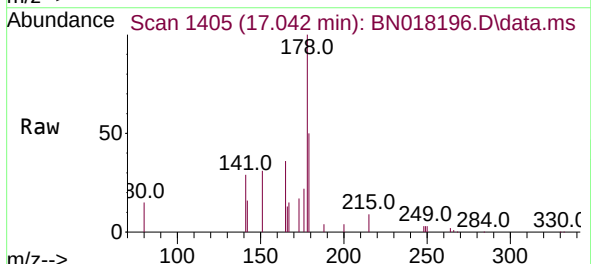
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

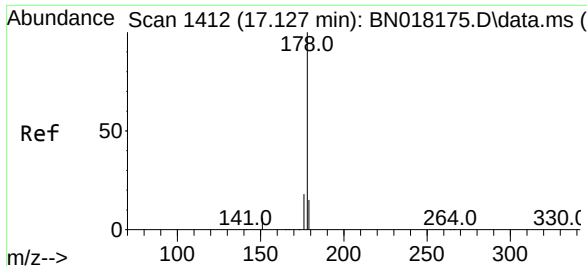
Tgt Ion:266 Resp: 5612
 Ion Ratio Lower Upper
 266 100
 264 0.0 49.5 74.3#
 268 4.0 50.6 76.0#



#25
 Phenanthrene
 Concen: 0.998 ng
 RT: 17.042 min Scan# 1405
 Delta R.T. -0.000 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

Tgt Ion:178 Resp: 246324
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 39.3 12.3 18.5#

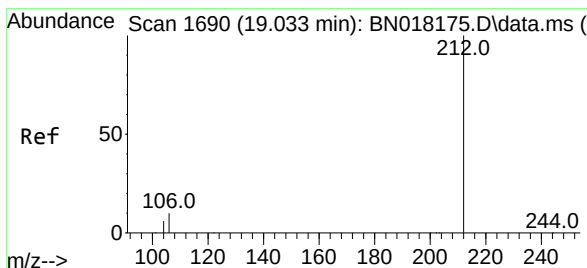
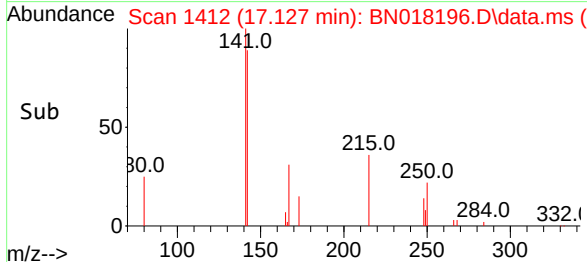
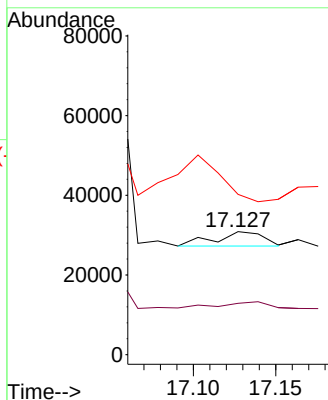
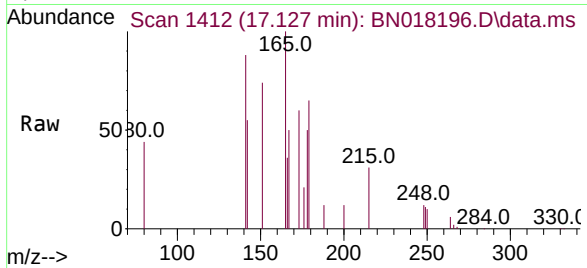




#26
 Anthracene
 Concen: 0.036 ng
 RT: 17.127 min Scan# 1412
 Delta R.T. 0.000 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

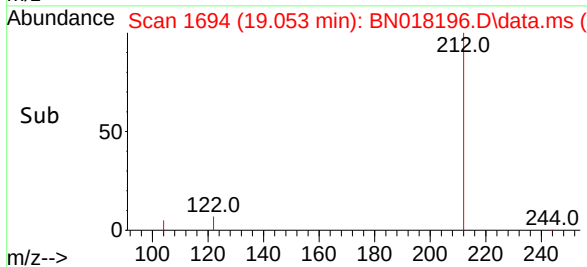
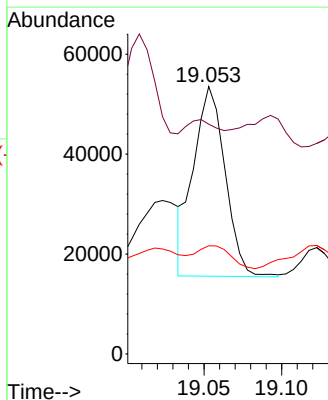
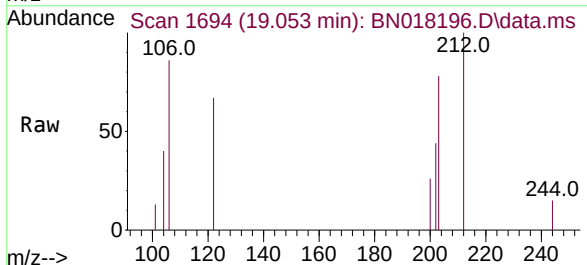
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

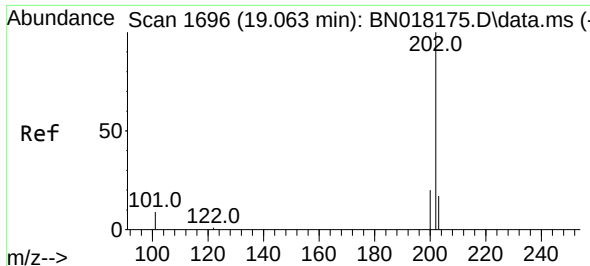
Tgt Ion:178 Resp: 7308
 Ion Ratio Lower Upper
 178 100
 176 48.4 14.8 22.2#
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.183 ng
 RT: 19.053 min Scan# 1694
 Delta R.T. 0.020 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

Tgt Ion:212 Resp: 53872
 Ion Ratio Lower Upper
 212 100
 106 7.9 8.4 12.6#
 104 12.9 4.5 6.7#

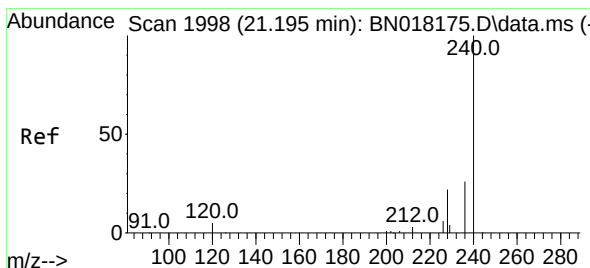
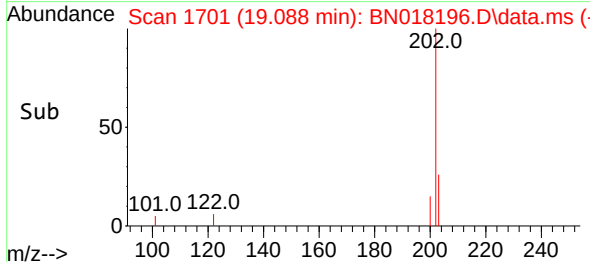
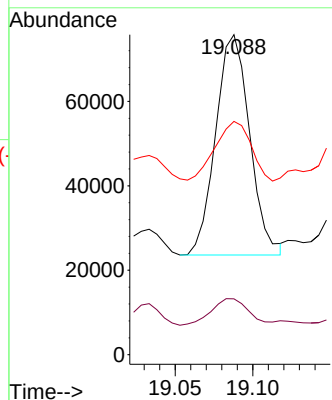
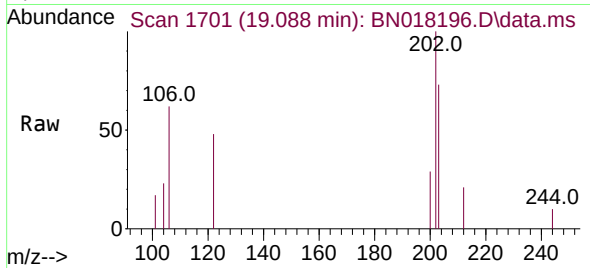




#28
Fluoranthene
Concen: 0.276 ng
RT: 19.088 min Scan# 11
Delta R.T. 0.025 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

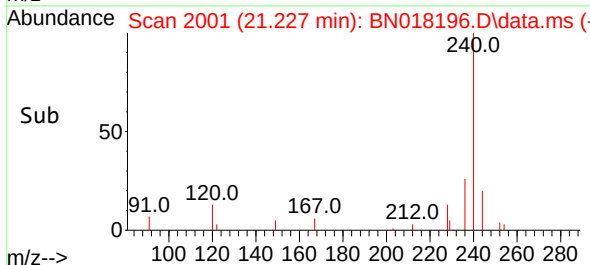
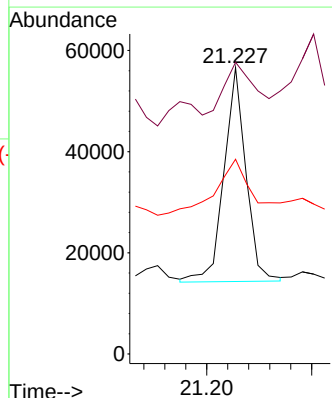
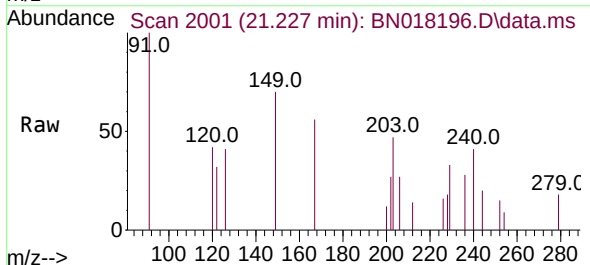
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

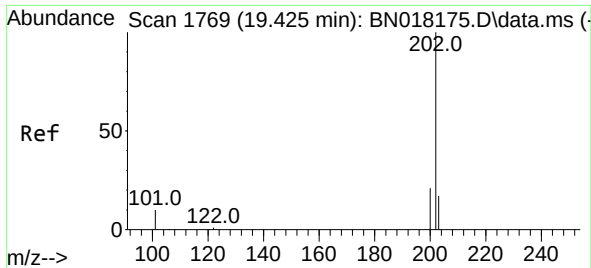
Tgt Ion:202 Resp: 79399
Ion Ratio Lower Upper
202 100
101 13.1 7.2 10.8#
203 28.4 13.7 20.5#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.032 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:240 Resp: 61415
Ion Ratio Lower Upper
240 100
120 101.8 6.0 9.0#
236 68.0 21.4 32.2#

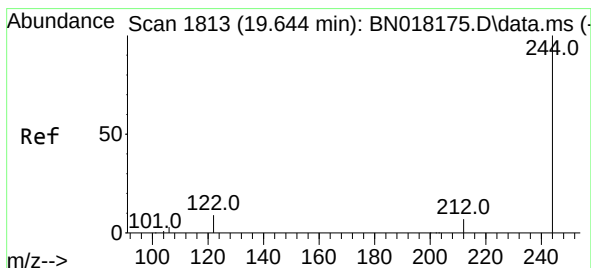
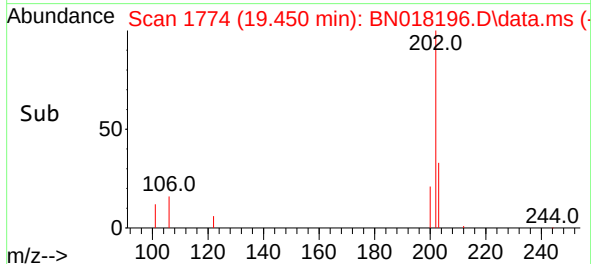
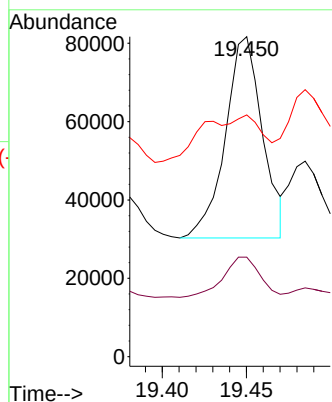
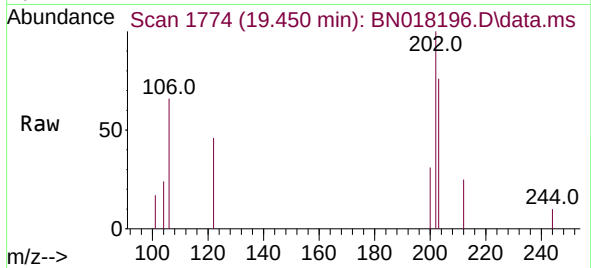




#30
Pyrene
Concen: 0.400 ng
RT: 19.450 min Scan# 1774
Delta R.T. 0.025 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

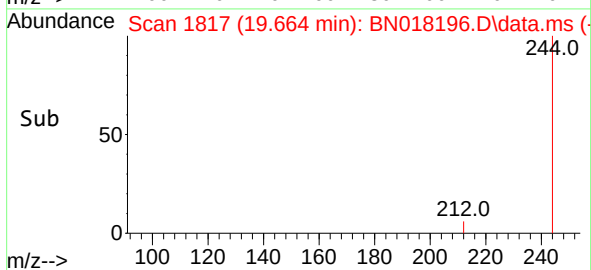
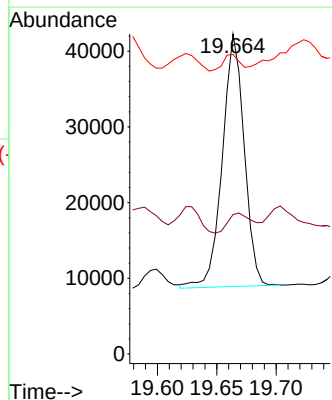
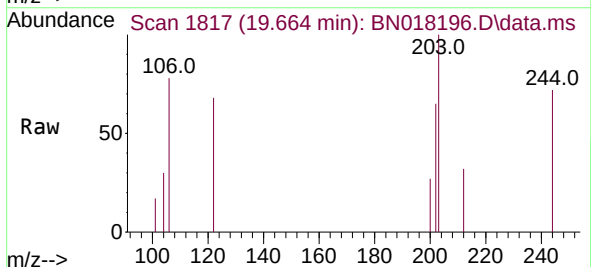
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

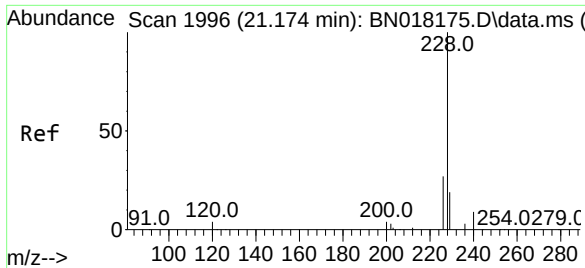
Tgt Ion:202 Resp: 78809
Ion Ratio Lower Upper
202 100
200 20.0 16.6 25.0
203 16.2 14.1 21.1



#31
Terphenyl-d14
Concen: 0.315 ng
RT: 19.664 min Scan# 1817
Delta R.T. 0.020 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:244 Resp: 42546
Ion Ratio Lower Upper
244 100
212 43.6 6.2 9.2#
122 93.6 7.9 11.9#

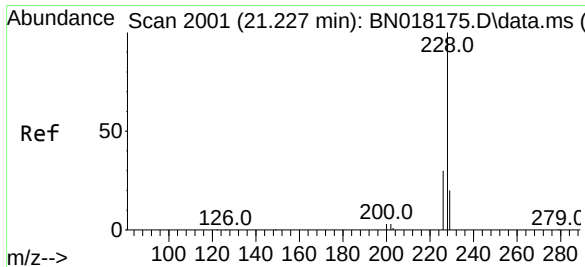
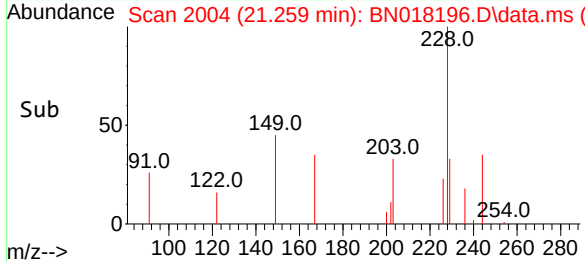
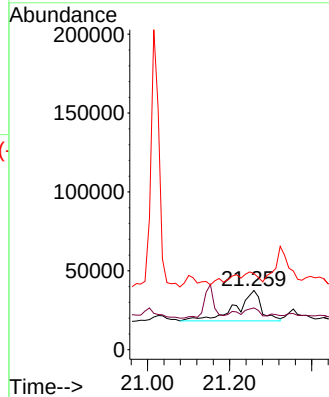
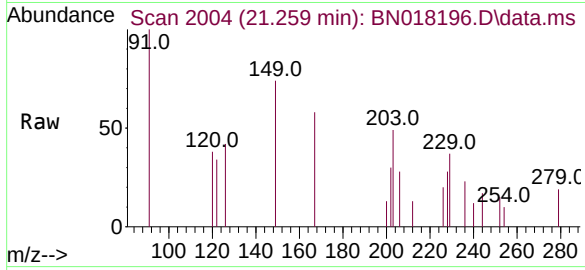




#32
Benzo(a)anthracene
Concen: 0.466 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.085 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

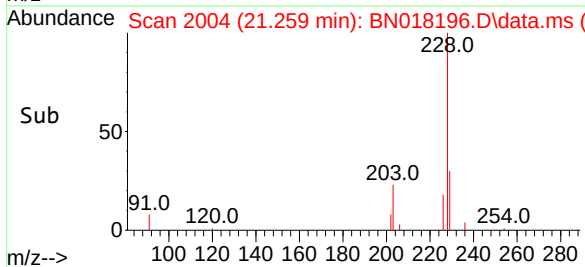
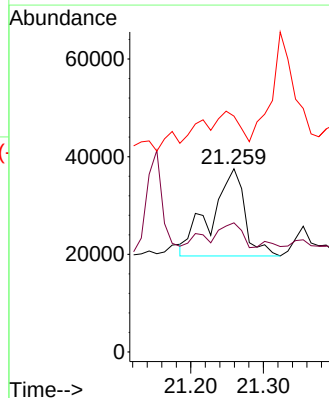
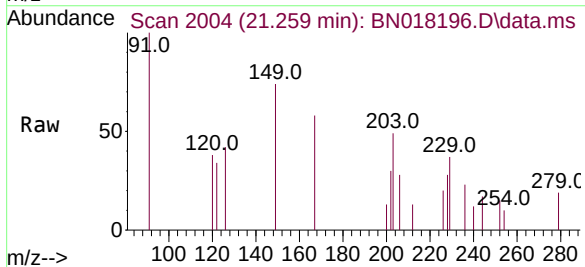
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

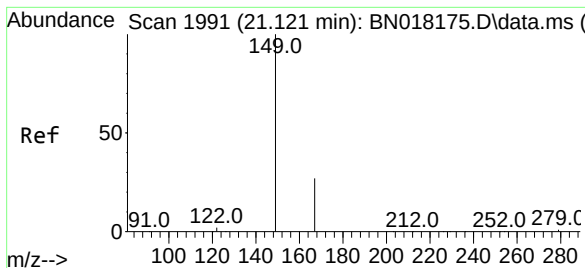
Tgt Ion:228 Resp: 83068
Ion Ratio Lower Upper
228 100
226 70.5 21.3 31.9#
229 128.8 15.9 23.9#



#33
Chrysene
Concen: 0.295 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.032 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

Tgt Ion:228 Resp: 57402
Ion Ratio Lower Upper
228 100
226 70.5 24.2 36.4#
229 128.8 15.5 23.3#

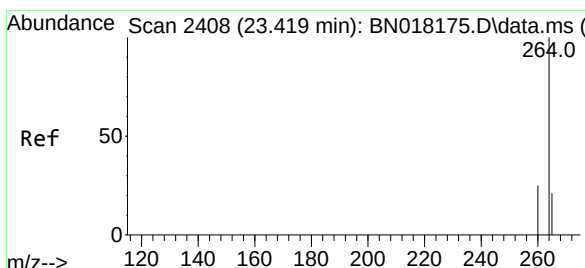
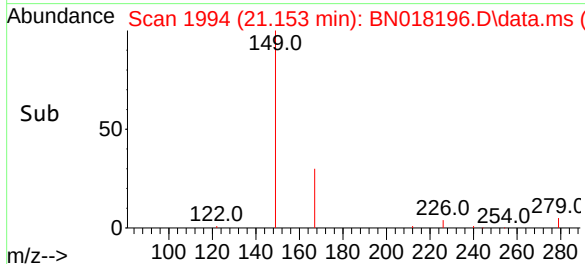
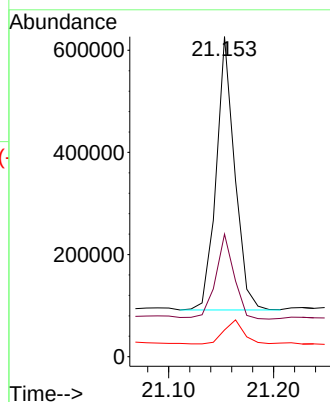
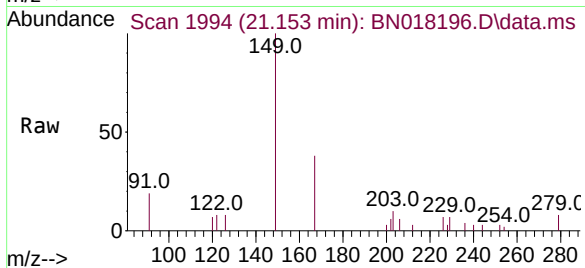




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 6.837 ng
 RT: 21.153 min Scan# 1994
 Delta R.T. 0.032 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

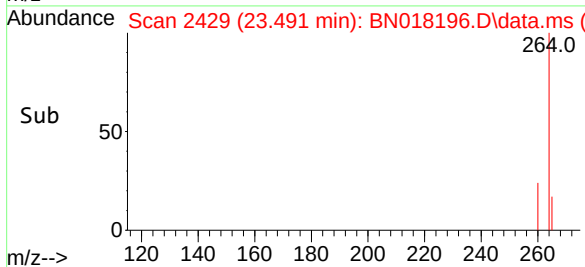
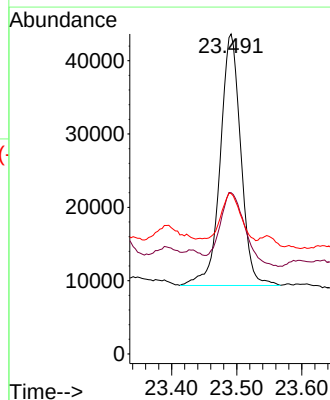
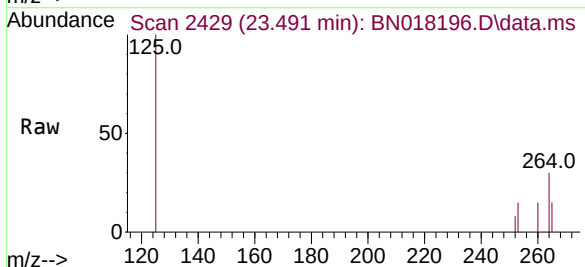
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

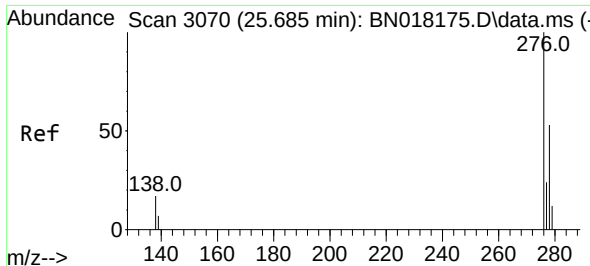
Tgt Ion:149 Resp: 655365
 Ion Ratio Lower Upper
 149 100
 167 31.2 23.7 35.5
 279 9.2 3.6 5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.491 min Scan# 2429
 Delta R.T. 0.072 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

Tgt Ion:264 Resp: 75443
 Ion Ratio Lower Upper
 264 100
 260 50.4 20.2 30.4#
 265 50.1 18.2 27.2#

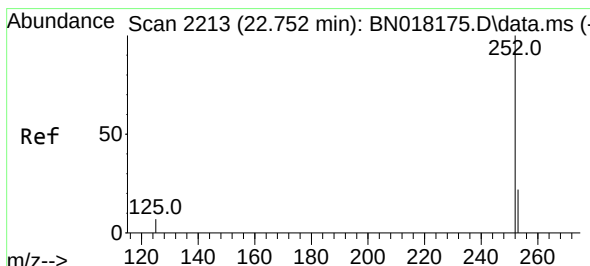
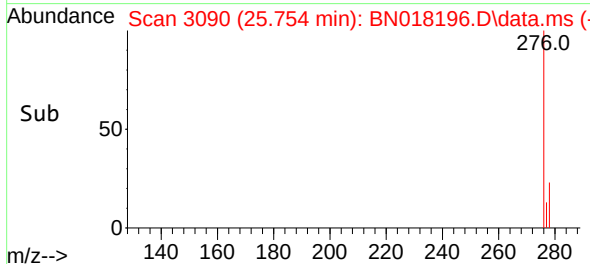
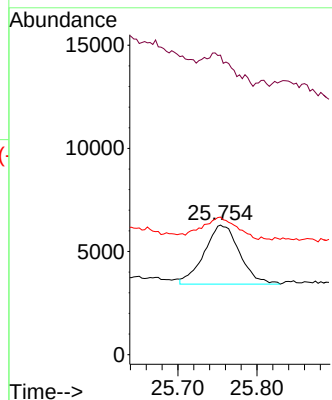
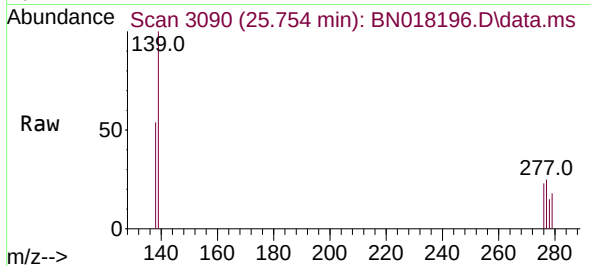




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.041 ng
 RT: 25.754 min Scan# 3070
 Delta R.T. 0.069 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

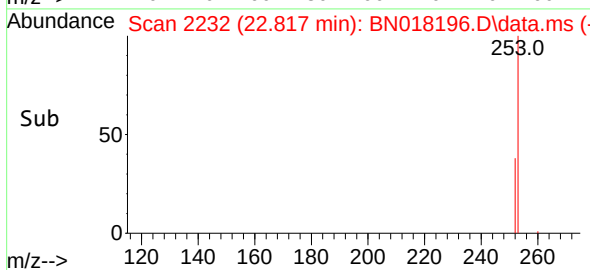
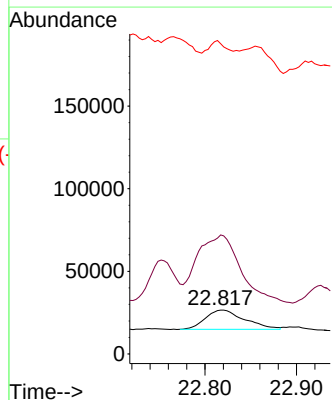
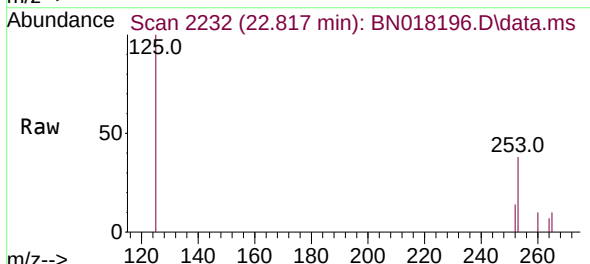
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

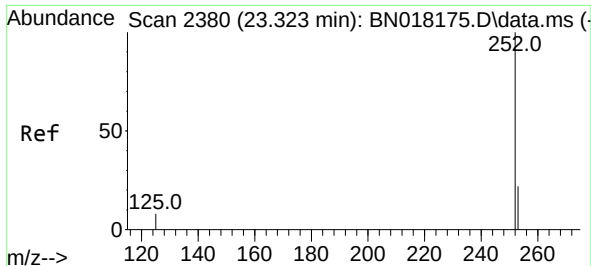
Tgt Ion:276 Resp: 8848
 Ion Ratio Lower Upper
 276 100
 138 0.0 14.9 22.3#
 277 36.8 19.9 29.9#



#37
 Benzo(b)fluoranthene
 Concen: 0.150 ng
 RT: 22.817 min Scan# 2232
 Delta R.T. 0.065 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

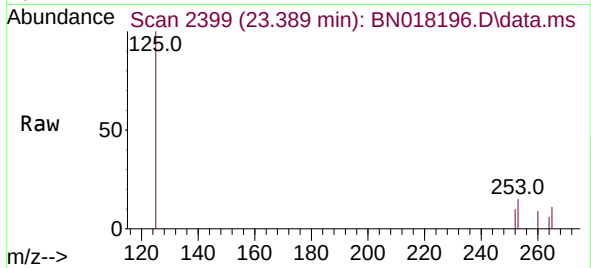
Tgt Ion:252 Resp: 34991
 Ion Ratio Lower Upper
 252 100
 253 271.3 17.8 26.6#
 125 707.4 6.0 9.0#



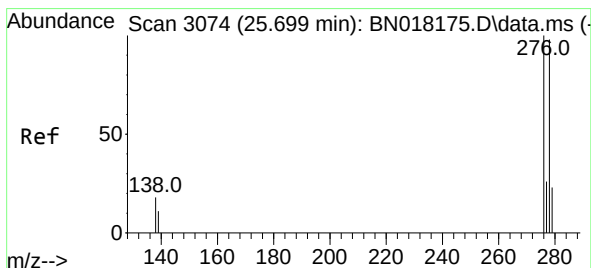
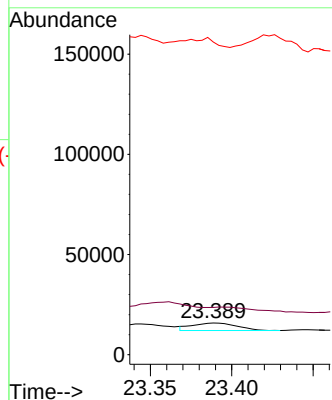
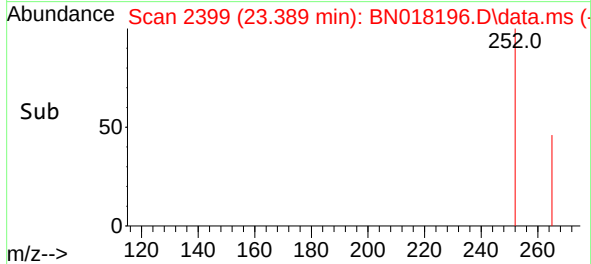


#39
Benzo(a)pyrene
Concen: 0.034 ng
RT: 23.389 min Scan# 21
Delta R.T. 0.066 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37

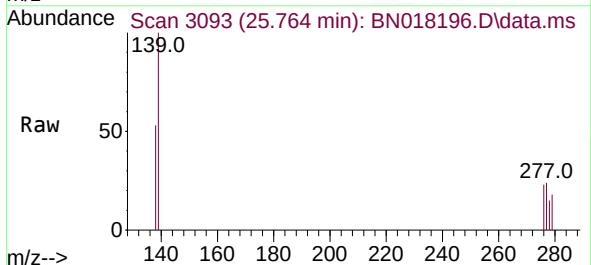
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



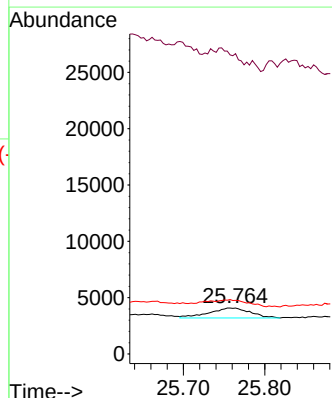
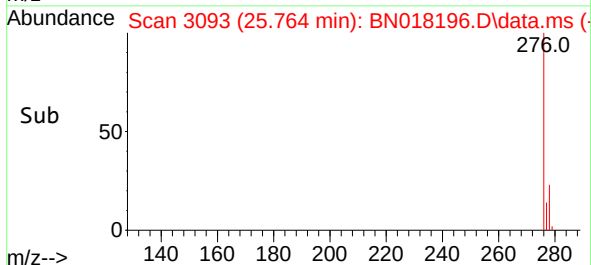
Tgt Ion:252 Resp: 7145
Ion Ratio Lower Upper
252 100
253 149.1 17.8 26.6#
125 986.8 7.0 10.4#

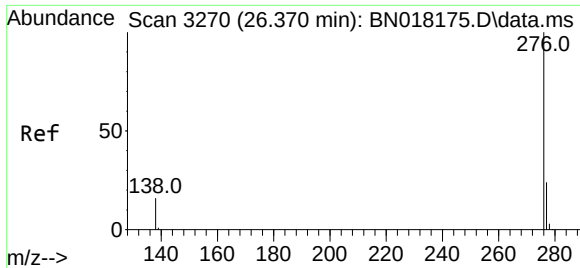


#40
Dibenzo(a,h)anthracene
Concen: 0.047 ng
RT: 25.764 min Scan# 3093
Delta R.T. 0.065 min
Lab File: BN018196.D
Acq: 24 Dec 2021 01:37



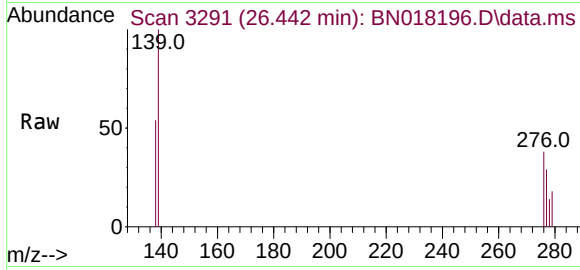
Tgt Ion:278 Resp: 3116
Ion Ratio Lower Upper
278 100
139 654.0 10.8 16.2#
279 116.6 19.0 28.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.067 ng
 RT: 26.442 min Scan# 31
 Delta R.T. 0.072 min
 Lab File: BN018196.D
 Acq: 24 Dec 2021 01:37

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05



Tgt Ion:276 Resp: 13403
 Ion Ratio Lower Upper
 276 100
 277 77.0 19.0 28.6#
 138 140.3 12.6 19.0#

