

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121421\
 Data File : BN018012.D
 Acq On : 14 Dec 2021 21:19
 Operator : CG/JU
 Sample : PB141233BL
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB141233BL

Quant Time: Dec 15 02:21:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 01:08:04 2021
 Response via : Initial Calibration

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

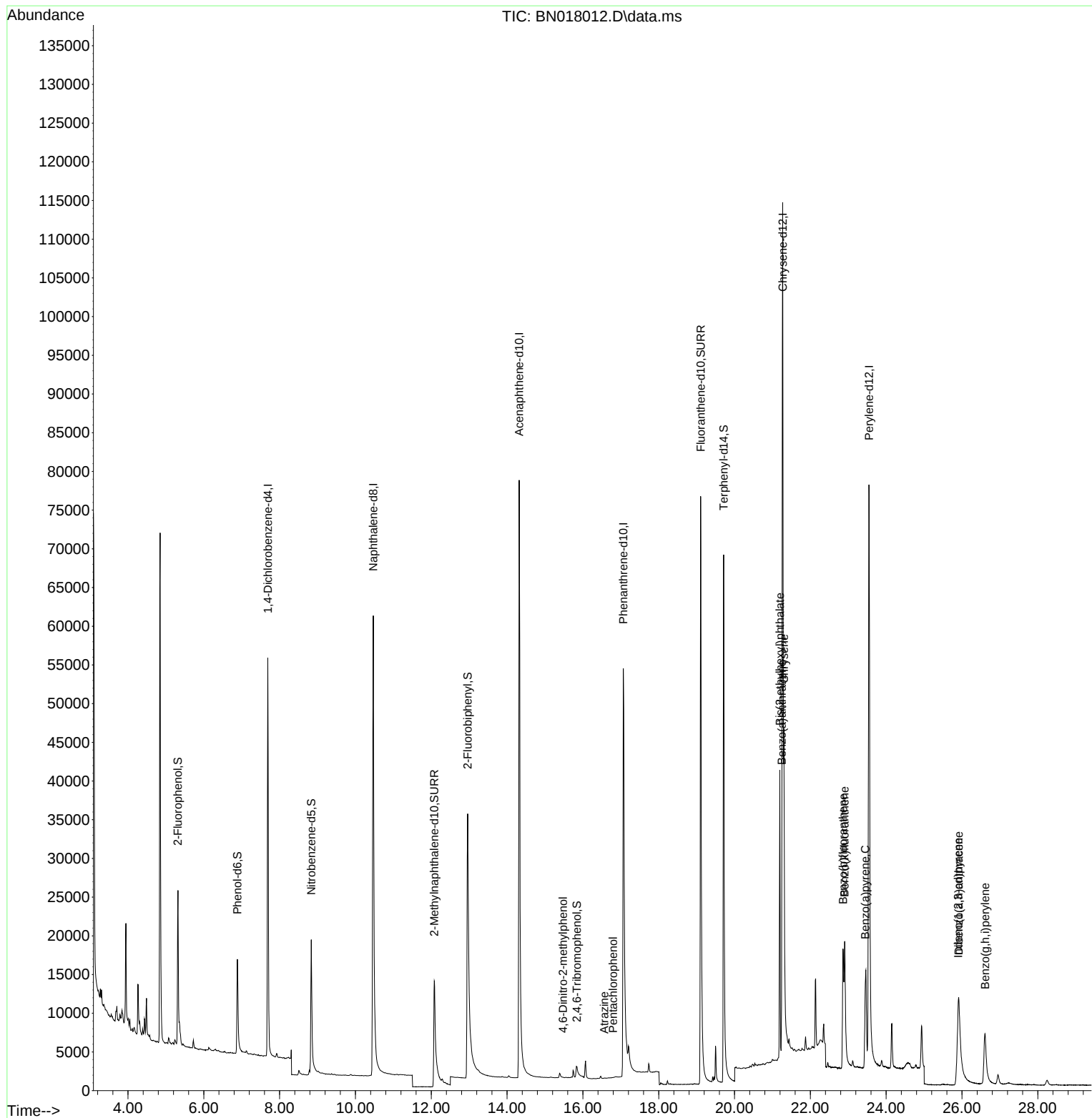
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.689	152	28288	0.400	ng	0.00
7) Naphthalene-d8	10.470	136	109236	0.400	ng	0.00
13) Acenaphthene-d10	14.320	164	64218	0.400	ng	0.00
19) Phenanthrene-d10	17.066	188	128692	0.400	ng	# 0.00
29) Chrysene-d12	21.270	240	138037	0.400	ng	0.00
35) Perylene-d12	23.546	264	130124	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	17535	0.286	ng	0.03
5) Phenol-d6	6.886	99	13796	0.224	ng	0.02
8) Nitrobenzene-d5	8.835	82	19691	0.254	ng	0.00
11) 2-Methylnaphthalene-d10	12.079	152	41884	0.231	ng	0.00
14) 2,4,6-Tribromophenol	15.842	330	2634	0.253	ng	0.03
15) 2-Fluorobiphenyl	12.962	172	56169	0.251	ng	0.01
27) Fluoranthene-d10	19.108	212	125131	0.291	ng	0.00
31) Terphenyl-d14	19.713	244	104104	0.362	ng	0.00
Target Compounds						
20) 4,6-Dinitro-2-methylph...	15.474	198	3	0.208	ng	# 1
23) Atrazine	16.567	200	31	0.081	ng	# 5
24) Pentachlorophenol	16.799	266	31	0.244	ng	# 55
32) Benzo(a)anthracene	21.249	228	22768	0.055	ng	98
33) Chrysene	21.302	228	33943	0.077	ng	100
34) Bis(2-ethylhexyl)phtha...	21.196	149	33949	0.167	ng	100
36) Indeno(1,2,3-cd)pyrene	25.901	276	20795	0.048	ng	# 93
37) Benzo(b)fluoranthene	22.862	252	22715	0.059	ng	# 86
38) Benzo(k)fluoranthene	22.906	252	22469	0.060	ng	# 92
39) Benzo(a)pyrene	23.450	252	23157	0.059	ng	# 71
40) Dibenzo(a,h)anthracene	25.918	278	18836	0.055	ng	# 90
41) Benzo(g,h,i)perylene	26.610	276	22480	0.055	ng	97

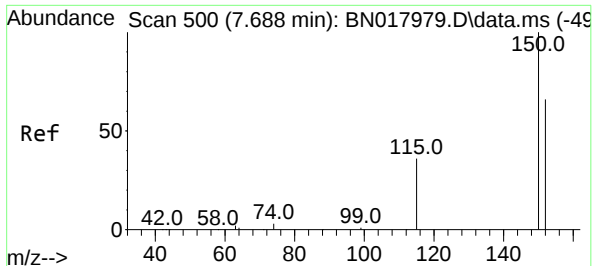
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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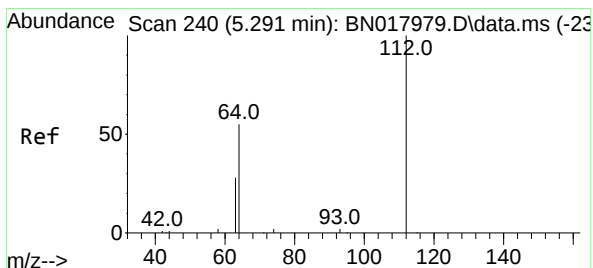
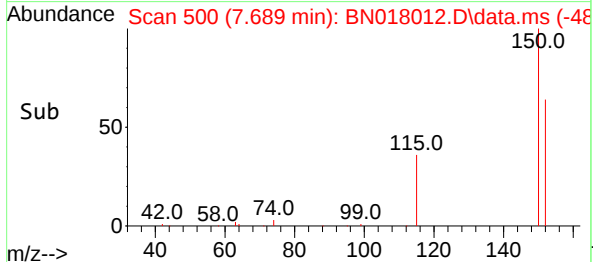
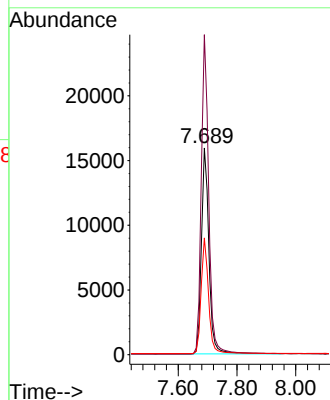
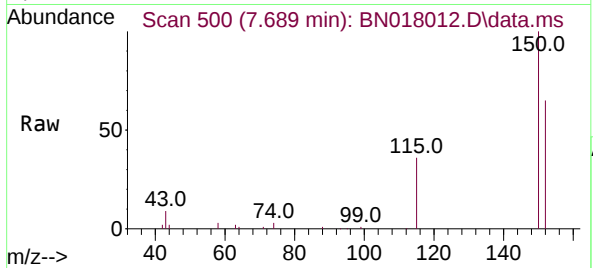




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.689 min Scan# 50
 Delta R.T. 0.001 min
 Lab File: BN018012.D
 Acq: 14 Dec 2021 21:19

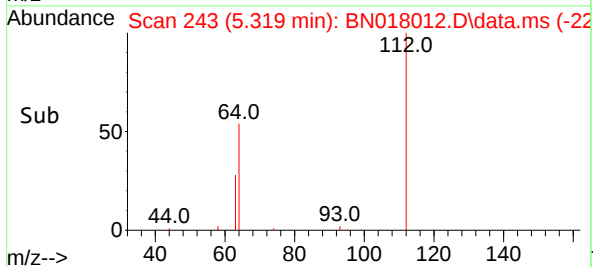
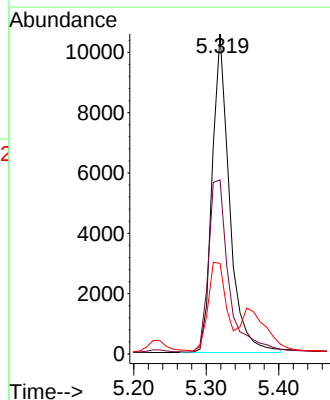
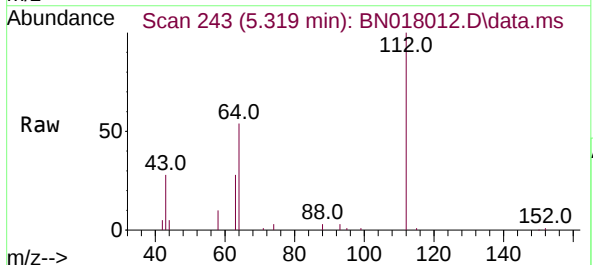
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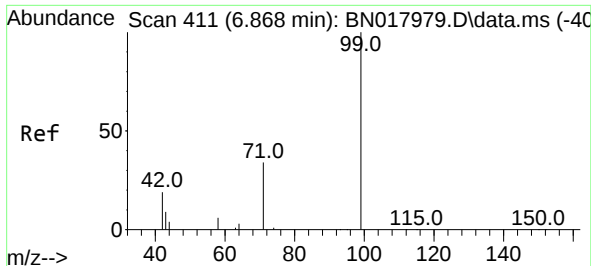
Tgt Ion:152 Resp: 28288
 Ion Ratio Lower Upper
 152 100
 150 154.8 121.7 182.5
 115 56.5 43.8 65.8



#4
 2-Fluorophenol
 Concen: 0.286 ng
 RT: 5.319 min Scan# 243
 Delta R.T. 0.028 min
 Lab File: BN018012.D
 Acq: 14 Dec 2021 21:19

Tgt Ion:112 Resp: 17535
 Ion Ratio Lower Upper
 112 100
 64 63.4 48.0 72.0
 63 28.9 25.3 37.9

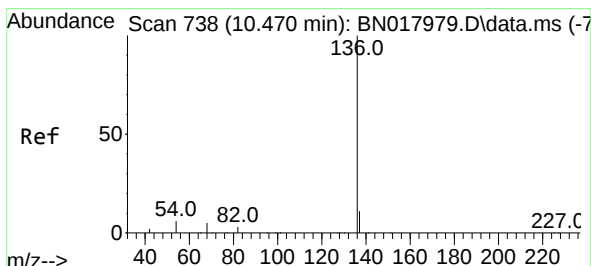
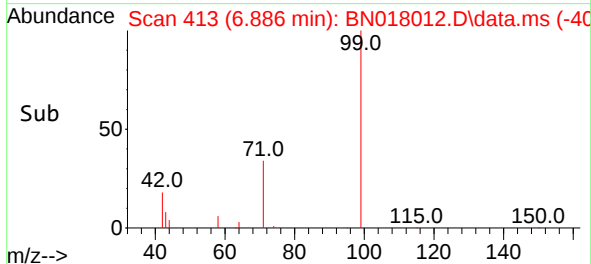
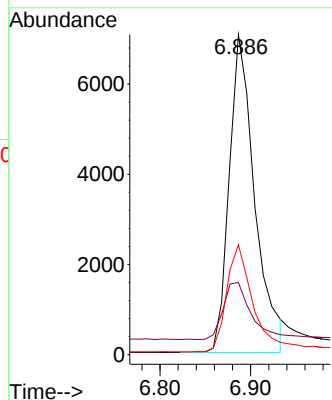
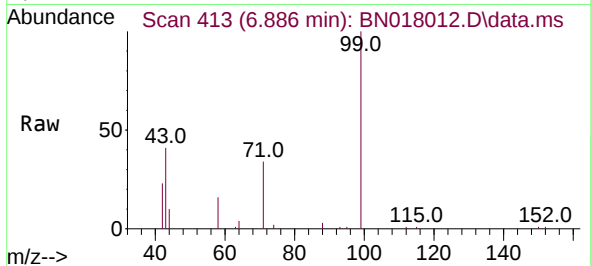




#5
Phenol-d6
Concen: 0.224 ng
RT: 6.886 min Scan# 411
Delta R.T. 0.019 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

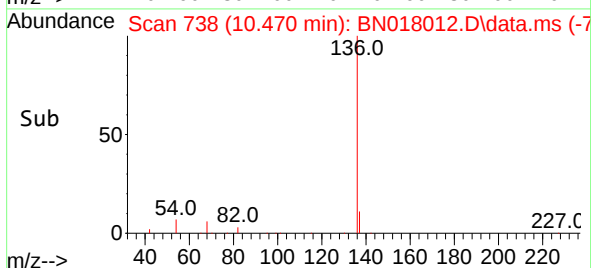
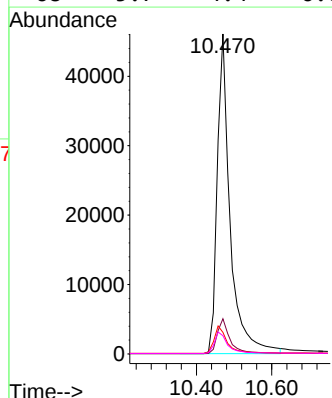
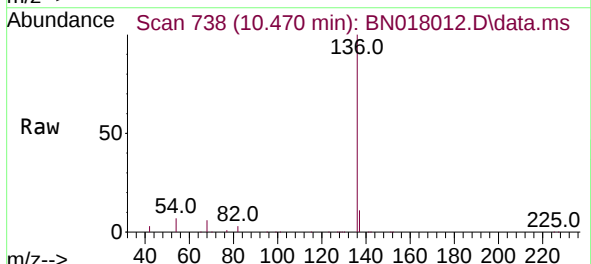
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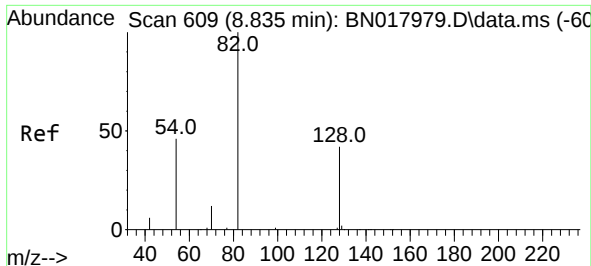
Tgt Ion: 99 Resp: 13796
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 33.9 26.8 40.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.470 min Scan# 738
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion: 136 Resp: 109236
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.0 7.6
68 5.7 4.4 6.6

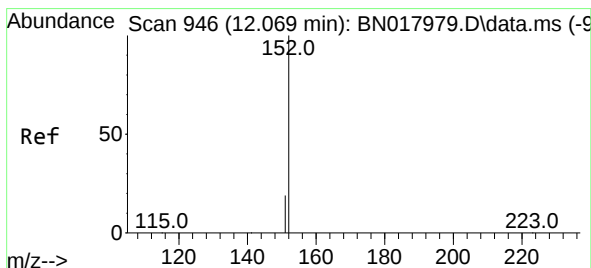
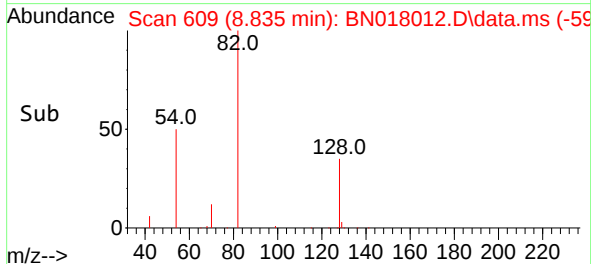
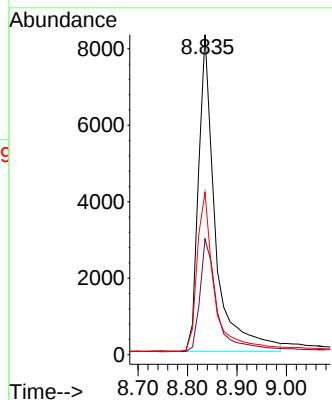
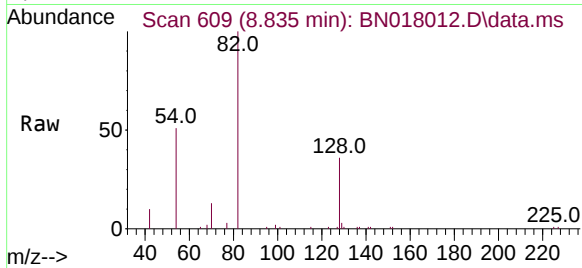




#8
Nitrobenzene-d5
Concen: 0.254 ng
RT: 8.835 min Scan# 609
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

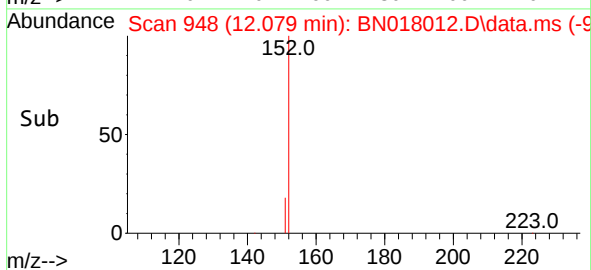
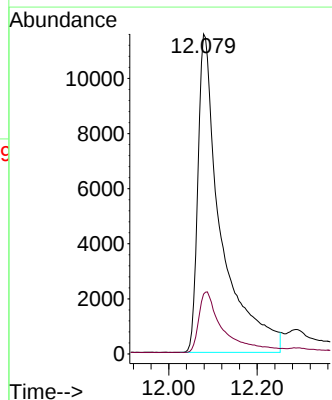
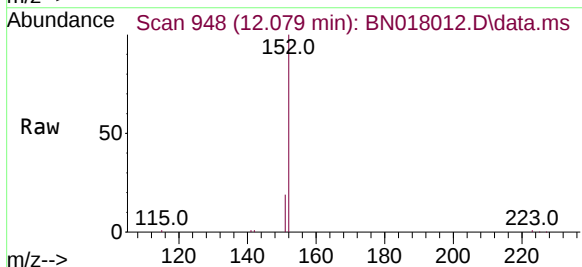
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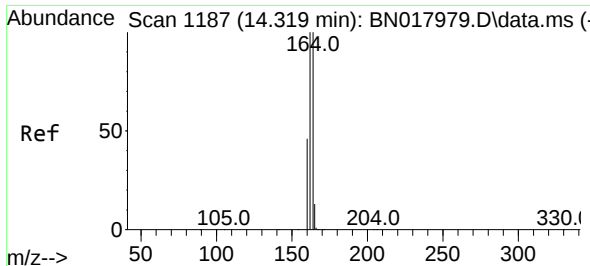
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.1	33.7	50.5
54	50.8	36.6	55.0



#11
2-Methylnaphthalene-d10
Concen: 0.231 ng
RT: 12.079 min Scan# 948
Delta R.T. 0.009 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2

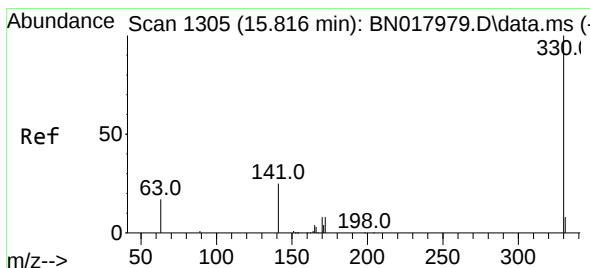
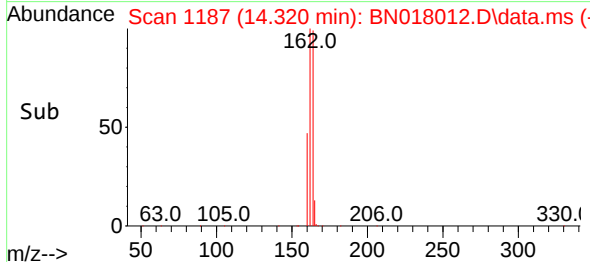
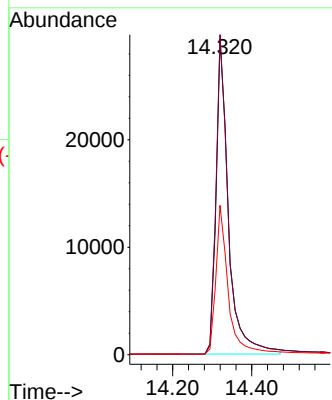
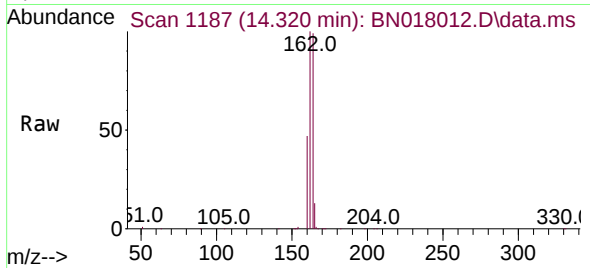




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.320 min Scan# 1187
 Delta R.T. 0.000 min
 Lab File: BN018012.D
 Acq: 14 Dec 2021 21:19

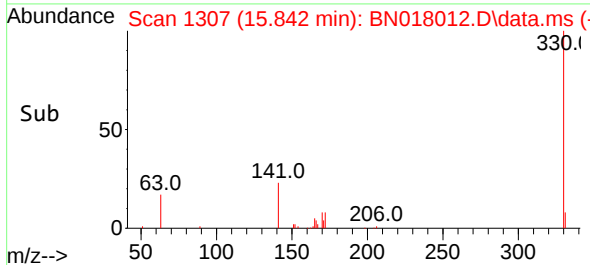
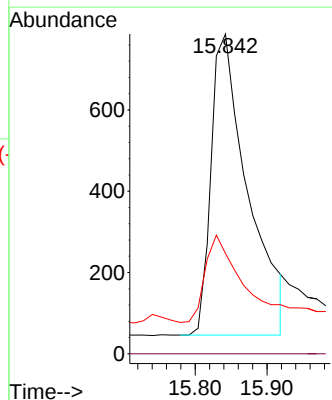
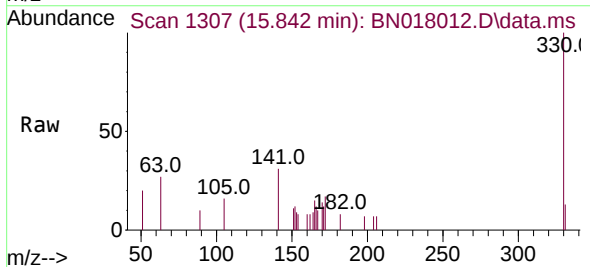
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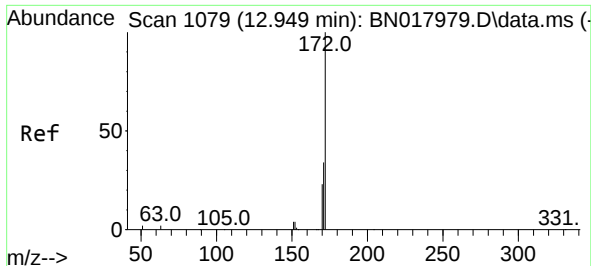
Tgt Ion:164 Resp: 64218
 Ion Ratio Lower Upper
 164 100
 162 101.4 80.2 120.2
 160 47.3 36.9 55.3



#14
 2,4,6-Tribromophenol
 Concen: 0.253 ng
 RT: 15.842 min Scan# 1307
 Delta R.T. 0.026 min
 Lab File: BN018012.D
 Acq: 14 Dec 2021 21:19

Tgt Ion:330 Resp: 2634
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 27.9 21.3 31.9

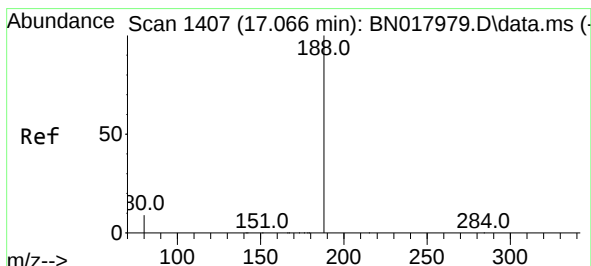
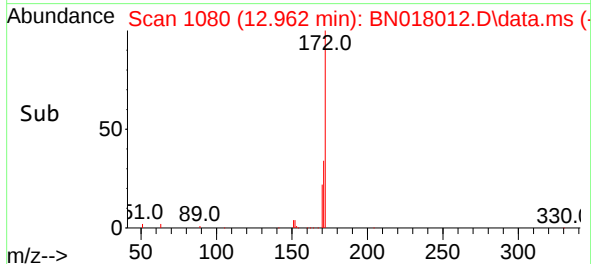
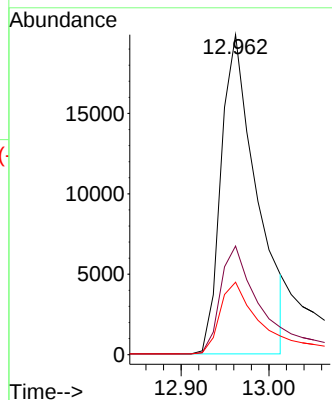
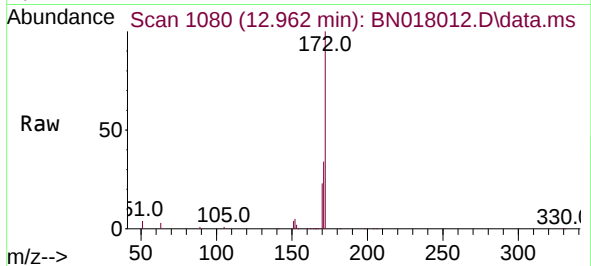




#15
2-Fluorobiphenyl
Concen: 0.251 ng
RT: 12.962 min Scan# 1080
Delta R.T. 0.013 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

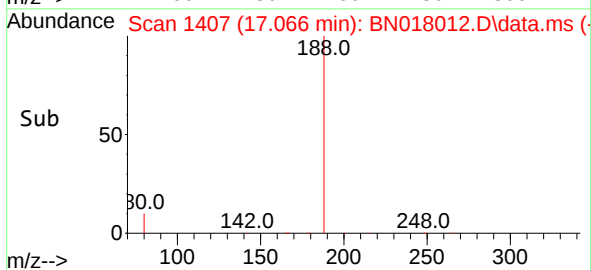
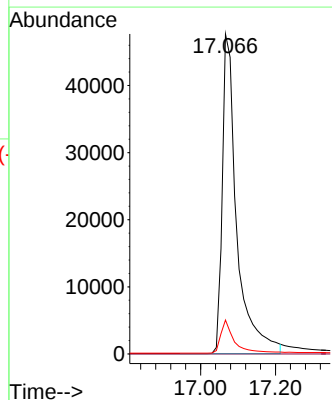
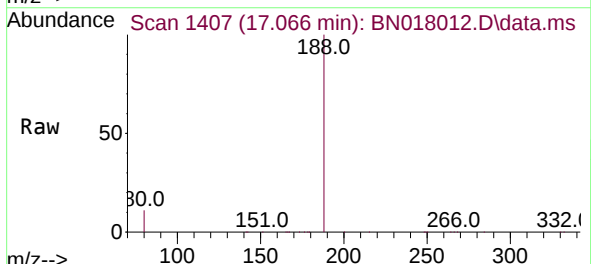
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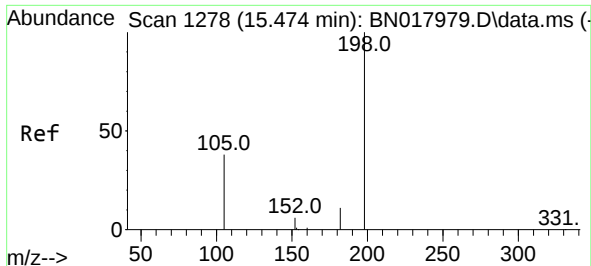
Tgt Ion:172 Resp: 56169
Ion Ratio Lower Upper
172 100
171 34.0 27.4 41.0
170 22.6 18.4 27.6



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion:188 Resp: 128692
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.6 7.0 10.4

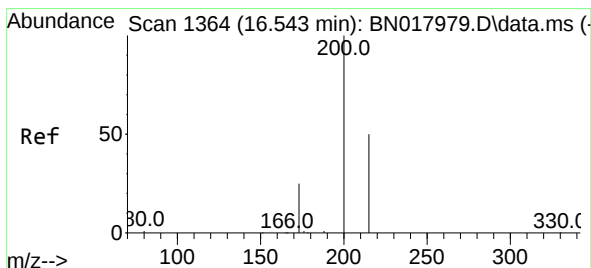
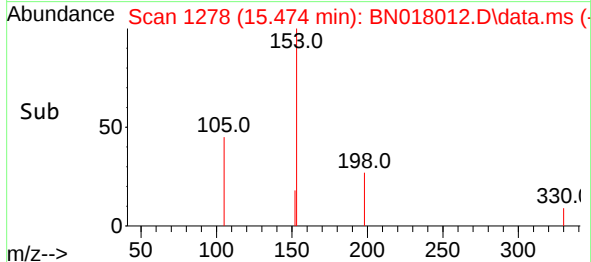
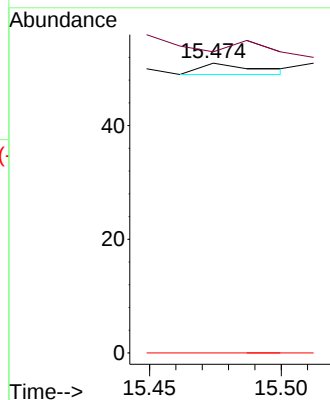
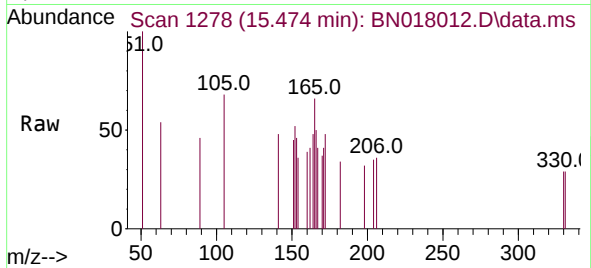




#20
4,6-Dinitro-2-methylphenol
Concen: 0.208 ng
RT: 15.474 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

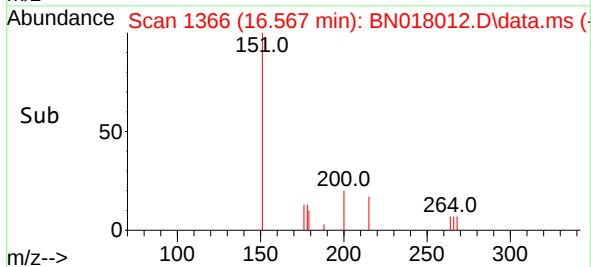
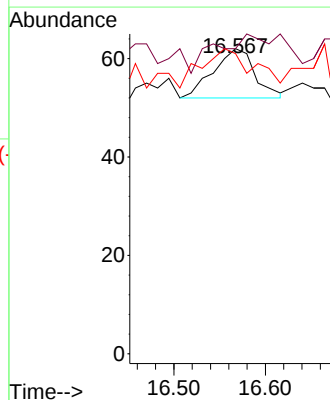
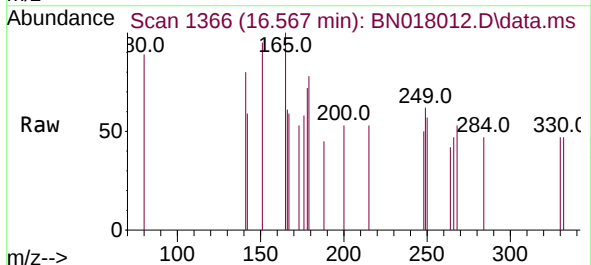
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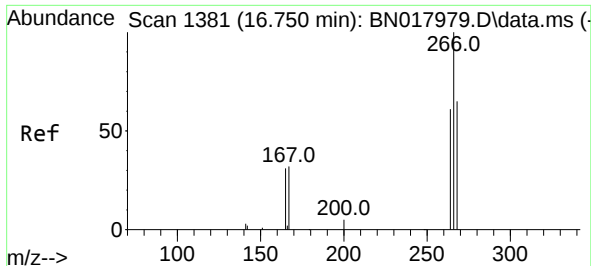
Tgt Ion:198 Resp: 3
Ion Ratio Lower Upper
198 100
182 103.9 15.5 23.3#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.081 ng
RT: 16.567 min Scan# 1366
Delta R.T. 0.024 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion:200 Resp: 31
Ion Ratio Lower Upper
200 100
173 100.0 20.3 30.5#
215 98.4 40.4 60.6#

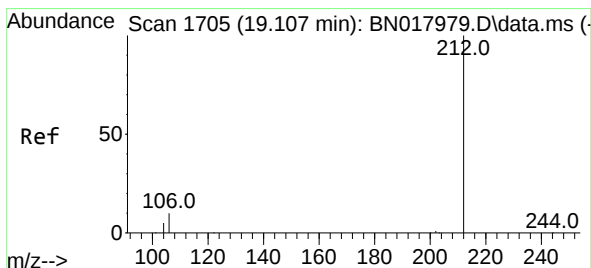
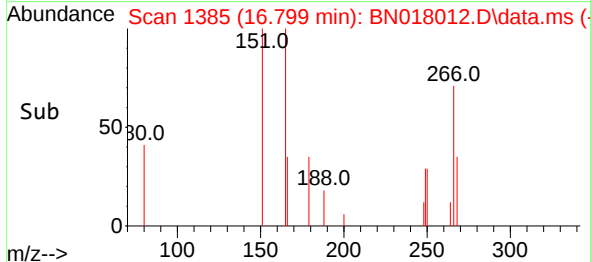
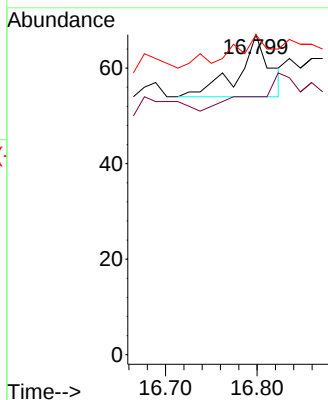
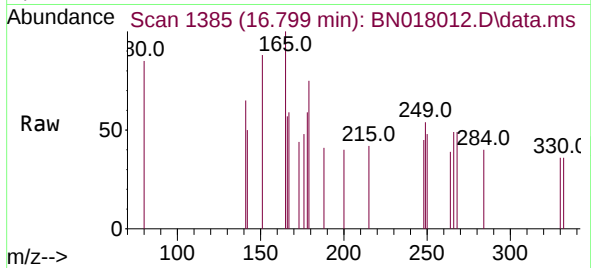




#24
 Pentachlorophenol
 Concen: 0.244 ng
 RT: 16.799 min Scan# 1385
 Delta R.T. 0.049 min
 Lab File: BN018012.D
 Acq: 14 Dec 2021 21:19

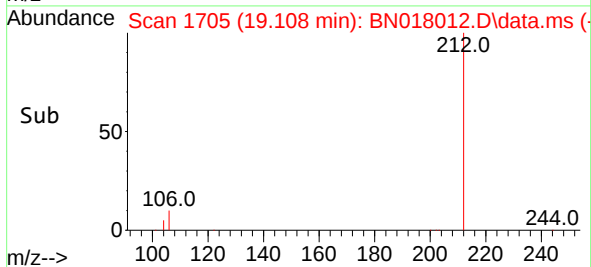
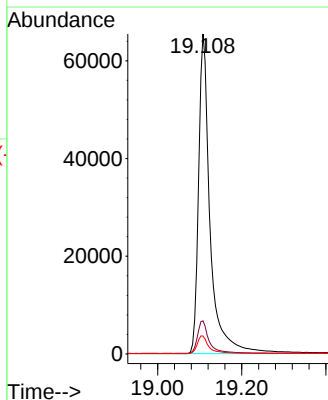
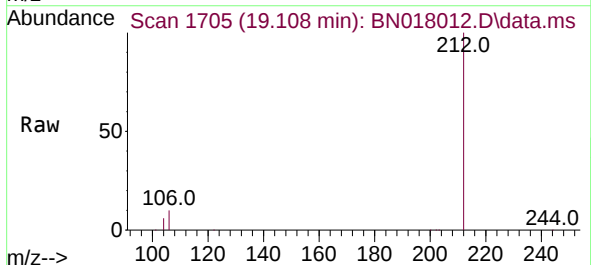
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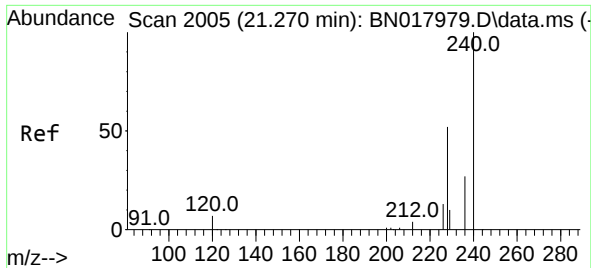
Tgt Ion:266 Resp: 31
 Ion Ratio Lower Upper
 266 100
 264 0.0 49.5 74.3#
 268 71.0 50.6 76.0



#27
 Fluoranthene-d10
 Concen: 0.291 ng
 RT: 19.108 min Scan# 1705
 Delta R.T. 0.000 min
 Lab File: BN018012.D
 Acq: 14 Dec 2021 21:19

Tgt Ion:212 Resp: 125131
 Ion Ratio Lower Upper
 212 100
 106 10.4 8.4 12.6
 104 5.6 4.5 6.7

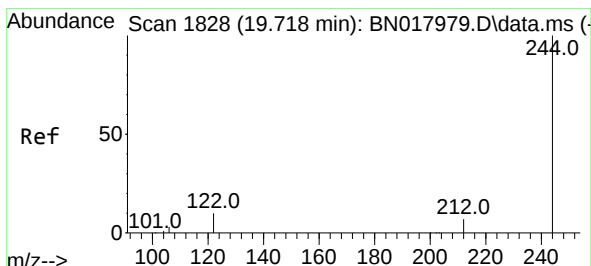
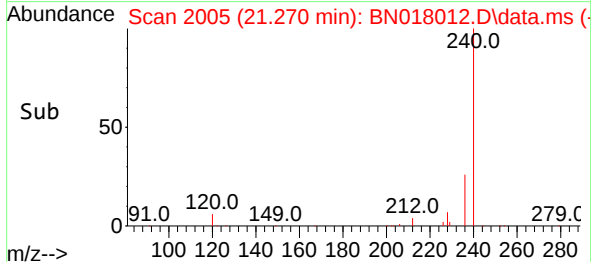
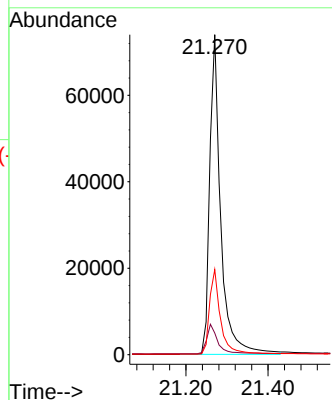
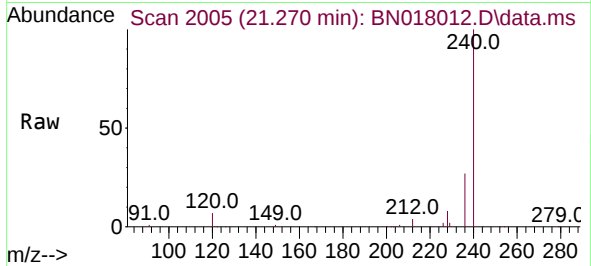




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

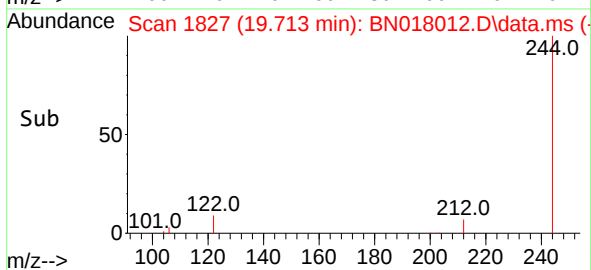
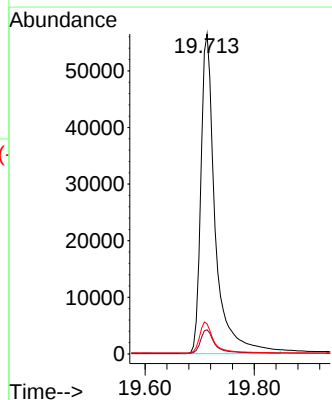
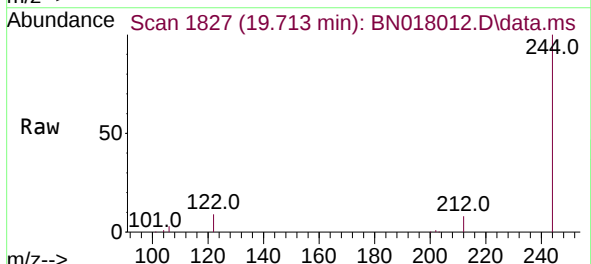
Instrument :
BNA_N
ClientSampleId :
PB141233BL

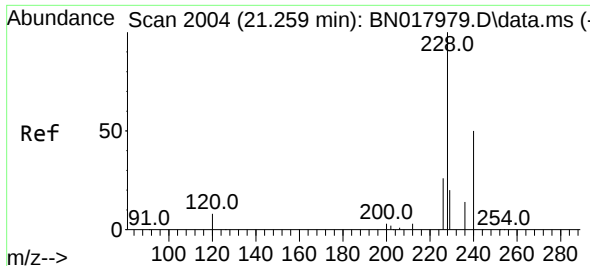
Tgt Ion:240 Resp: 138037
Ion Ratio Lower Upper
240 100
120 6.8 6.0 9.0
236 26.6 21.4 32.2



#31
Terphenyl-d14
Concen: 0.362 ng
RT: 19.713 min Scan# 1827
Delta R.T. -0.005 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion:244 Resp: 104104
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 9.4 7.9 11.9

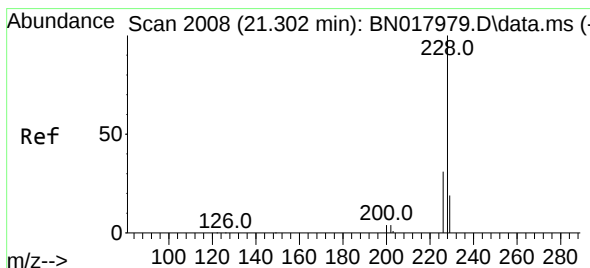
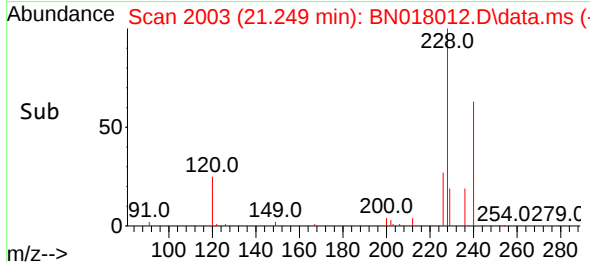
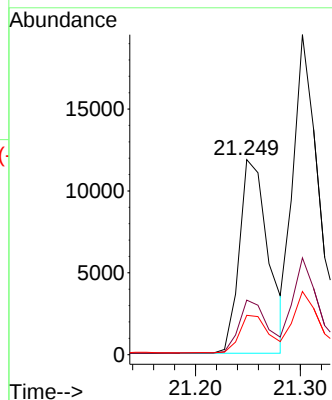
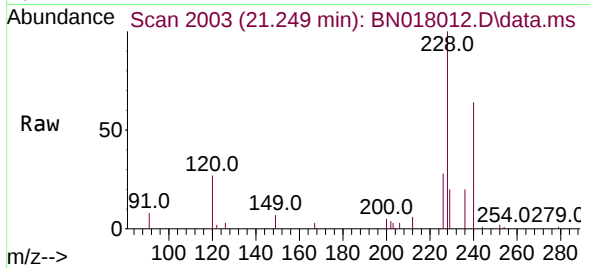




#32
Benzo(a)anthracene
Concen: 0.055 ng
RT: 21.249 min Scan# 2004
Delta R.T. -0.010 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

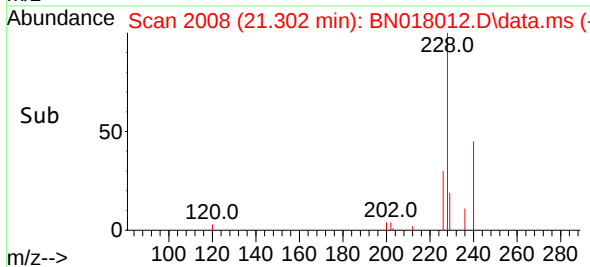
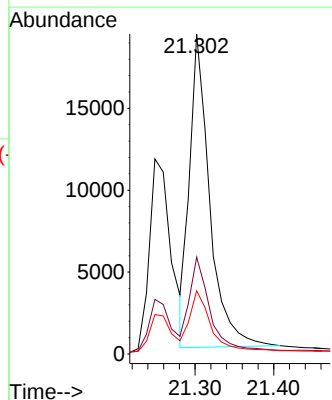
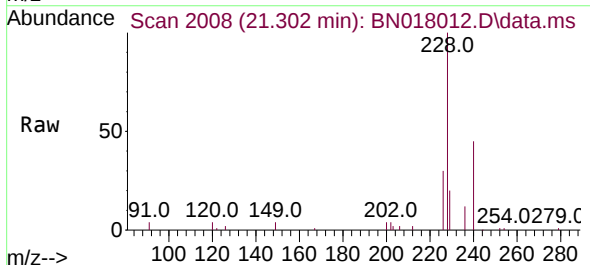
Instrument :
BNA_N
ClientSampleId :
PB141233BL

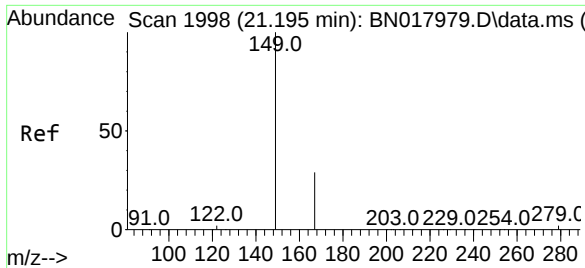
Tgt Ion:228 Resp: 22768
Ion Ratio Lower Upper
228 100
226 27.9 21.3 31.9
229 20.2 15.9 23.9



#33
Chrysene
Concen: 0.077 ng
RT: 21.302 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion:228 Resp: 33943
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 19.7 15.5 23.3

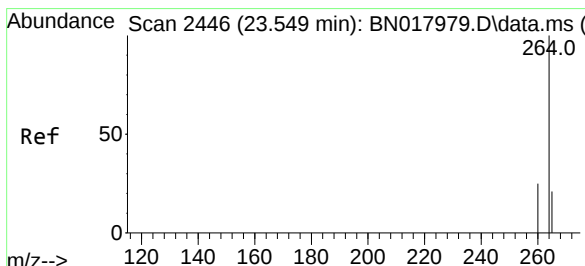
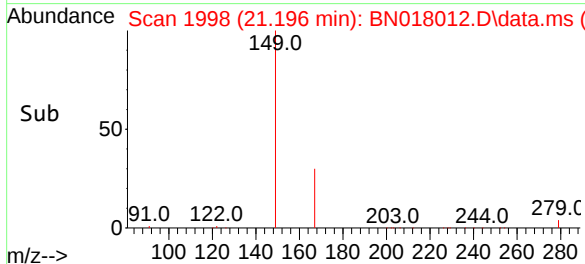
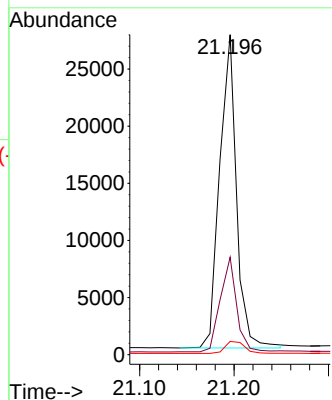
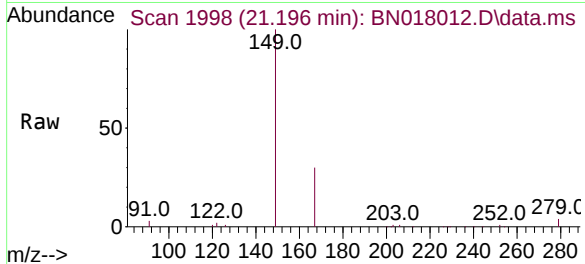




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.167 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

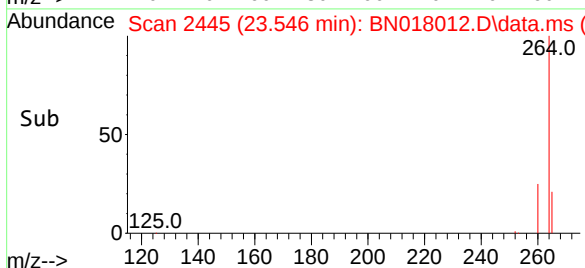
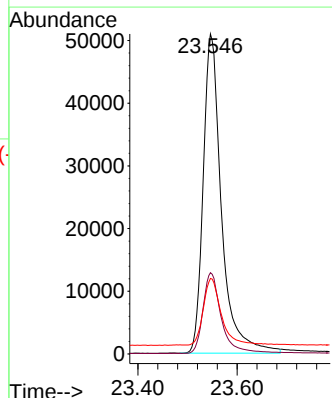
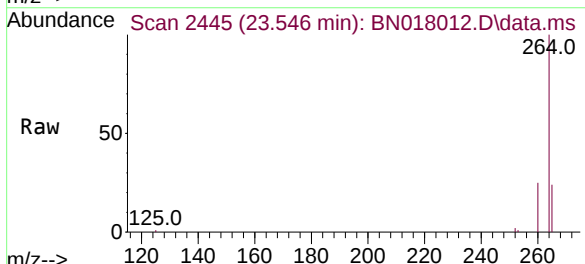
Instrument :
BNA_N
ClientSampleId :
PB141233BL

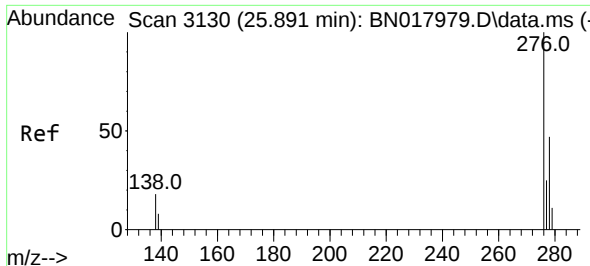
Tgt Ion:149 Resp: 33949
Ion Ratio Lower Upper
149 100
167 29.5 23.7 35.5
279 4.5 3.6 5.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.546 min Scan# 2445
Delta R.T. -0.003 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion:264 Resp: 130124
Ion Ratio Lower Upper
264 100
260 25.4 20.2 30.4
265 23.6 18.2 27.2

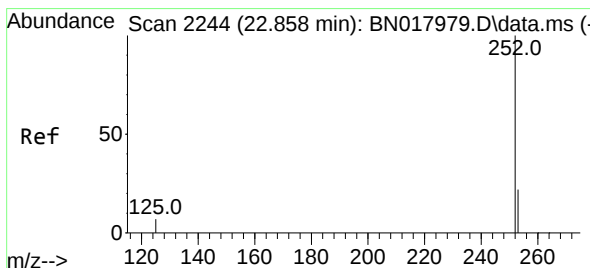
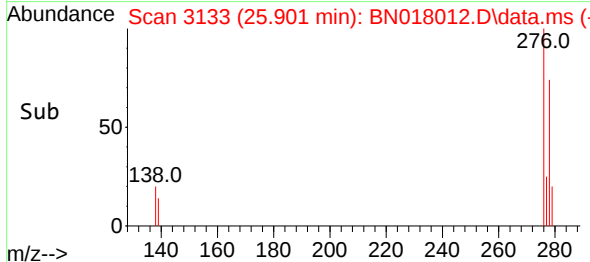
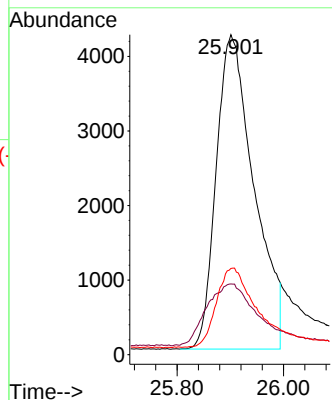
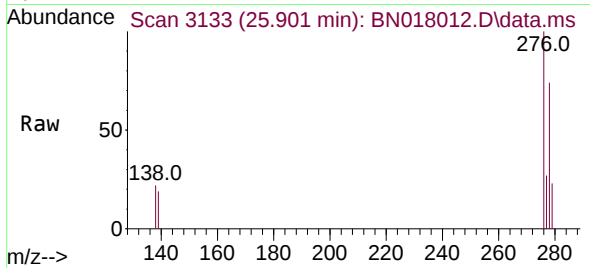




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.048 ng
 RT: 25.901 min Scan# 3133
 Delta R.T. 0.011 min
 Lab File: BN018012.D
 Acq: 14 Dec 2021 21:19

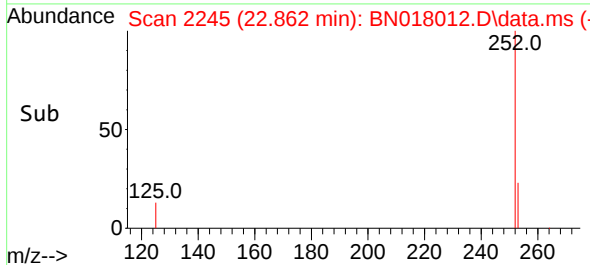
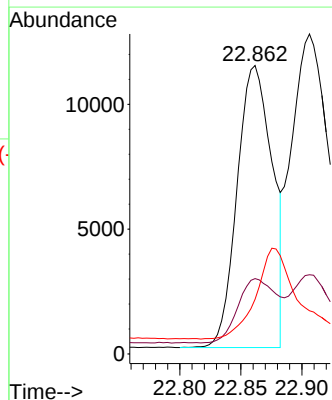
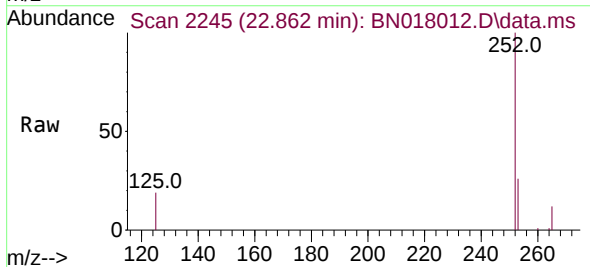
Instrument :
 BNA_N
 ClientSampleId :
 PB141233BL

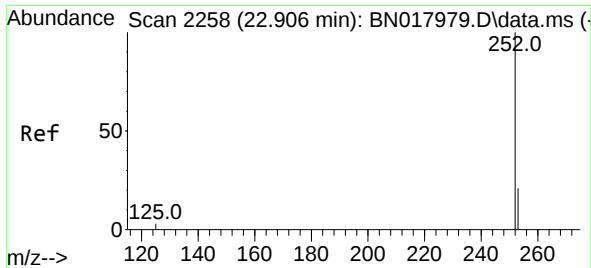
Tgt Ion:276 Resp: 20795
 Ion Ratio Lower Upper
 276 100
 138 24.8 14.9 22.3#
 277 25.6 19.9 29.9



#37
 Benzo(b)fluoranthene
 Concen: 0.059 ng
 RT: 22.862 min Scan# 2245
 Delta R.T. 0.004 min
 Lab File: BN018012.D
 Acq: 14 Dec 2021 21:19

Tgt Ion:252 Resp: 22715
 Ion Ratio Lower Upper
 252 100
 253 26.1 17.8 26.6
 125 19.0 6.0 9.0#

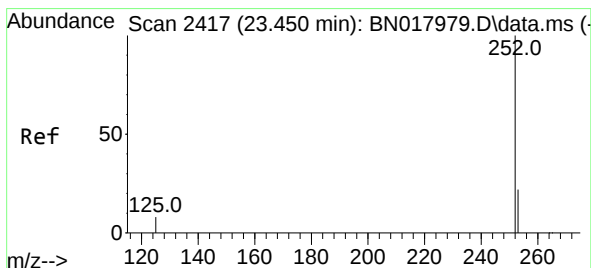
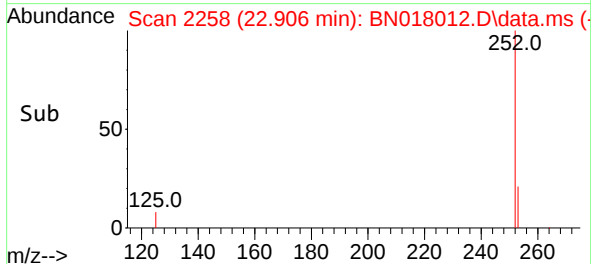
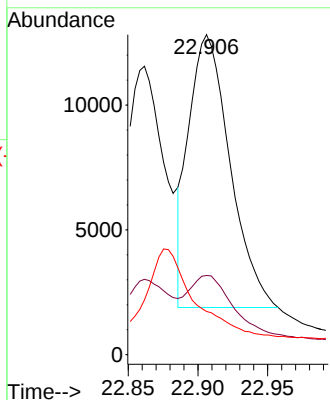
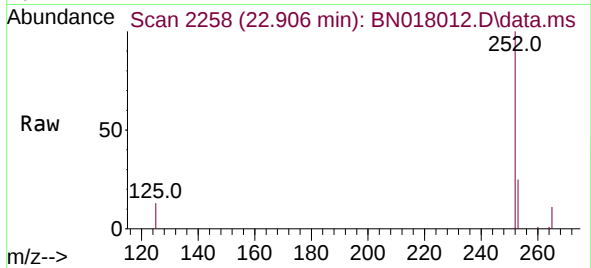




#38
Benzo(k)fluoranthene
Concen: 0.060 ng
RT: 22.906 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

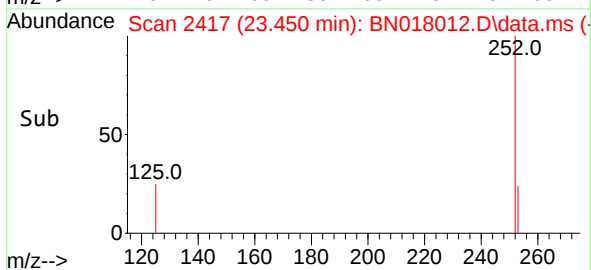
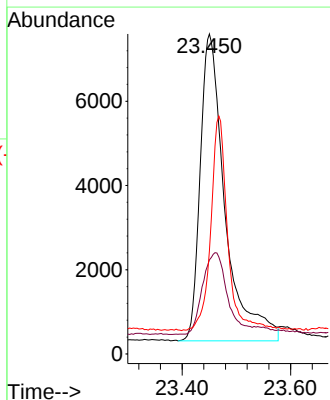
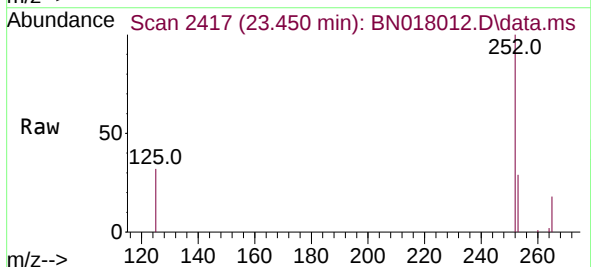
Instrument :
BNA_N
ClientSampleId :
PB141233BL

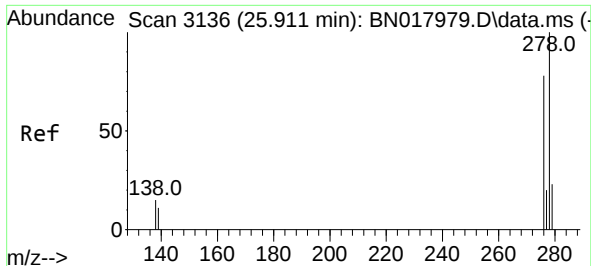
Tgt Ion:252 Resp: 22469
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 13.5 6.2 9.2#



#39
Benzo(a)pyrene
Concen: 0.059 ng
RT: 23.450 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion:252 Resp: 23157
Ion Ratio Lower Upper
252 100
253 29.4 17.8 26.6#
125 32.1 7.0 10.4#

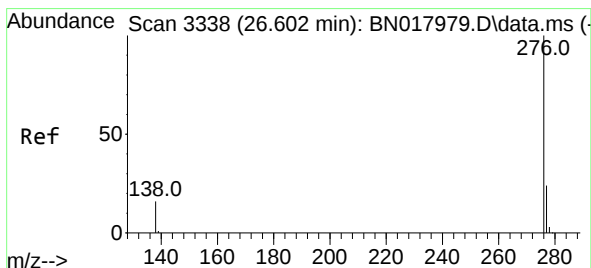
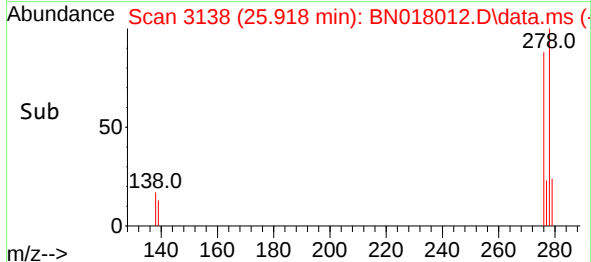
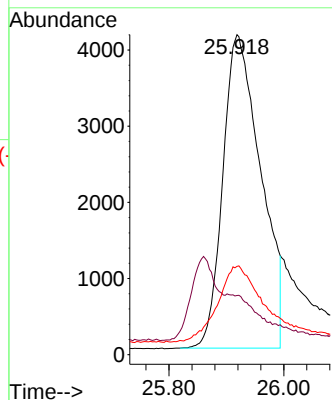
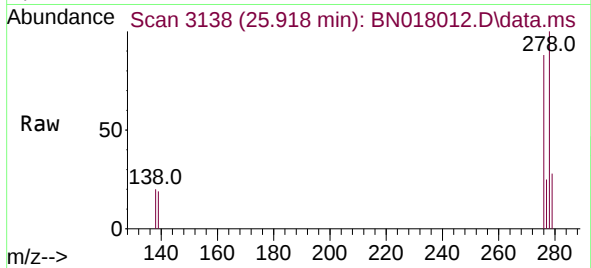




#40
Dibenzo(a,h)anthracene
Concen: 0.055 ng
RT: 25.918 min Scan# 3136
Delta R.T. 0.007 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Instrument :
BNA_N
ClientSampleId :
PB141233BL

Tgt Ion:278 Resp: 18836
Ion Ratio Lower Upper
278 100
139 18.5 10.8 16.2#
279 27.6 19.0 28.4



#41
Benzo(g,h,i)perylene
Concen: 0.055 ng
RT: 26.610 min Scan# 3340
Delta R.T. 0.007 min
Lab File: BN018012.D
Acq: 14 Dec 2021 21:19

Tgt Ion:276 Resp: 22480
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.6
138 17.6 12.6 19.0

