

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
 Data File : BN016802.D
 Acq On : 07 Oct 2021 06:08
 Operator : CG/JU
 Sample : M3945-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 07 06:39:46 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

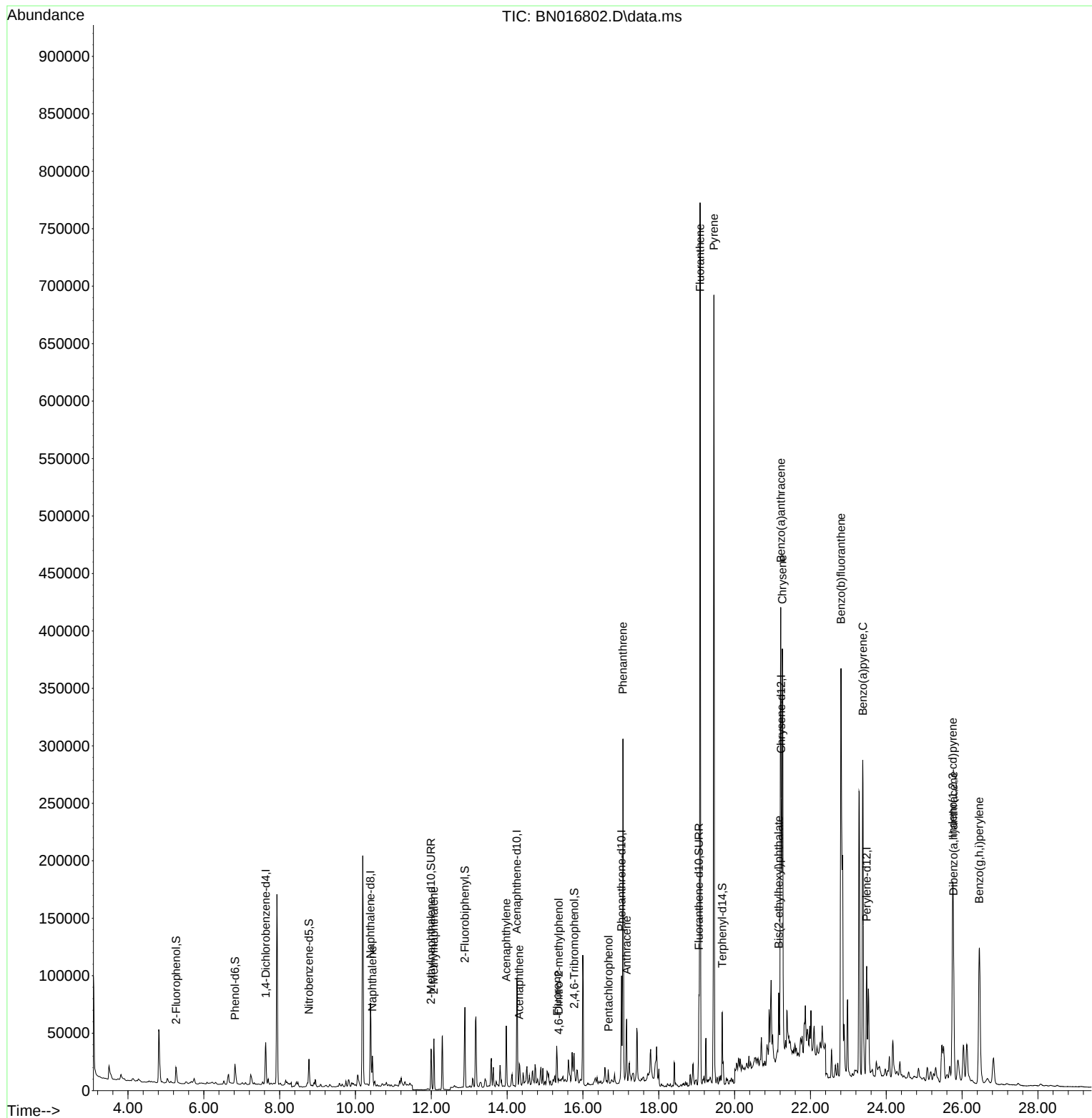
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	20875	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	98971	0.400	ng	-0.01
13) Acenaphthene-d10	14.256	164	57687	0.400	ng	-0.01
19) Phenanthrene-d10	17.018	188	117434	0.400	ng	0.00
29) Chrysene-d12	21.228	240	115036	0.400	ng	# 0.00
35) Perylene-d12	23.481	264	120861	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	16601	0.312	ng	0.03
5) Phenol-d6	6.822	99	18252	0.309	ng	0.00
8) Nitrobenzene-d5	8.772	82	20937	0.302	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	47650	0.323	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	10416	0.430	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	59421	0.258	ng	0.00
27) Fluoranthene-d10	19.058	212	85890	0.267	ng	0.00
31) Terphenyl-d14	19.674	244	61660	0.240	ng	0.00
Target Compounds						
9) Naphthalene	10.445	128	33430	0.123	ng	98
12) 2-Methylnaphthalene	12.070	142	31589	0.184	ng	99
16) Acenaphthylene	13.977	152	50237	0.197	ng	96
17) Acenaphthene	14.320	154	8710	0.052	ng	92
18) Fluorene	15.322	166	12155	0.060	ng	# 86
20) 4,6-Dinitro-2-methylph...	15.360	198	45	0.271	ng	# 1
24) Pentachlorophenol	16.677	266	365	0.348	ng	94
25) Phenanthrene	17.054	178	303558	0.879	ng	99
26) Anthracene	17.152	178	58868	0.191	ng	# 95
28) Fluoranthene	19.088	202	678118	1.770	ng	100
30) Pyrene	19.455	202	614518	1.625	ng	# 95
32) Benzo(a)anthracene	21.217	228	362595	1.016	ng	94
33) Chrysene	21.259	228	352122	0.973	ng	97
34) Bis(2-ethylhexyl)phtha...	21.164	149	43267	0.200	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.754	276	280150	0.730	ng	98
37) Benzo(b)fluoranthene	22.807	252	590861	1.512	ng	97
39) Benzo(a)pyrene	23.382	252	380069	1.087	ng	99
40) Dibenzo(a,h)anthracene	25.775	278	71654	0.235	ng	# 84
41) Benzo(g,h,i)perylene	26.456	276	252816	0.742	ng	98

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

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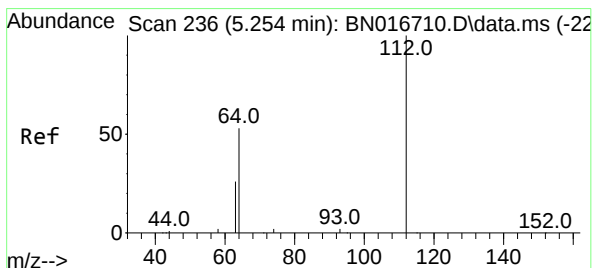
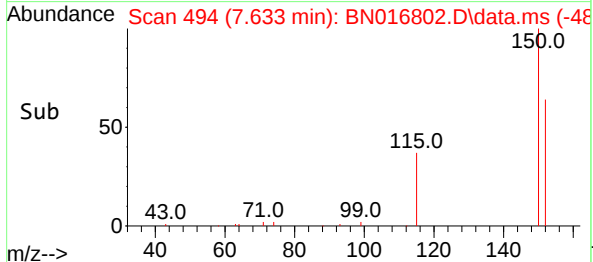
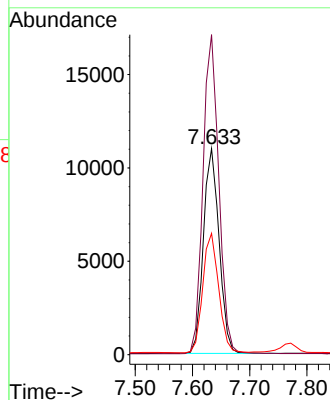
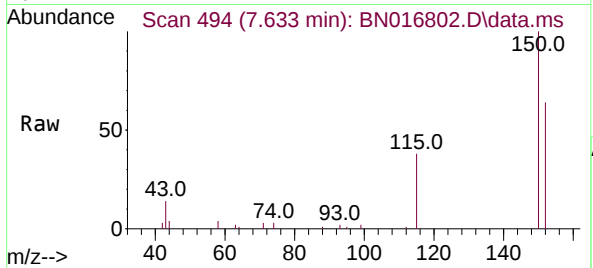




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.633 min Scan# 494
 Delta R.T. 0.000 min
 Lab File: BN016802.D
 Acq: 07 Oct 2021 06:08

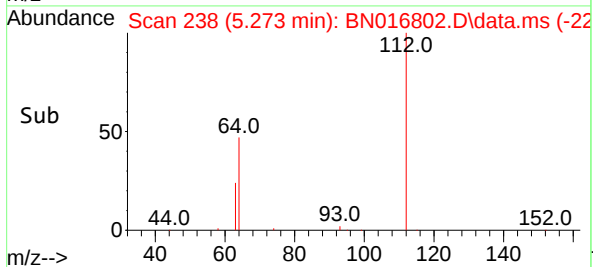
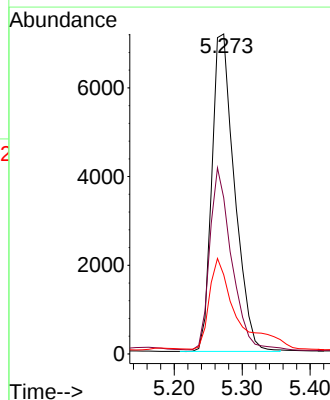
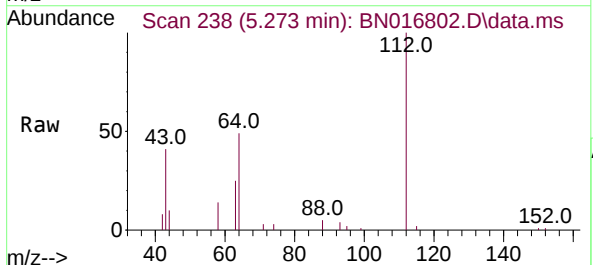
Instrument :
 BNA_N
 ClientSampled :

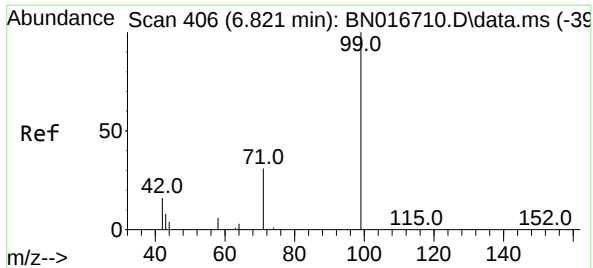
Tgt Ion:152 Resp: 20875
 Ion Ratio Lower Upper
 152 100
 150 155.3 123.3 184.9
 115 58.9 47.0 70.6



#4
 2-Fluorophenol
 Concen: 0.312 ng
 RT: 5.273 min Scan# 238
 Delta R.T. 0.028 min
 Lab File: BN016802.D
 Acq: 07 Oct 2021 06:08

Tgt Ion:112 Resp: 16601
 Ion Ratio Lower Upper
 112 100
 64 54.8 42.9 64.3
 63 33.4 21.5 32.3#

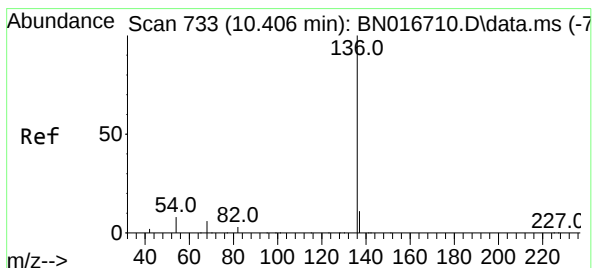
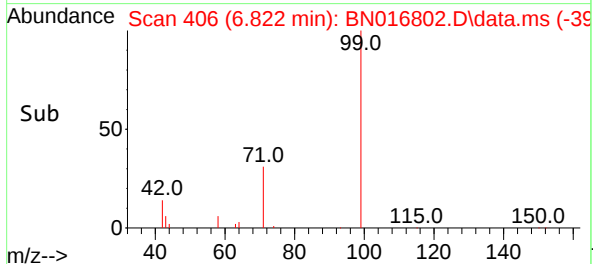
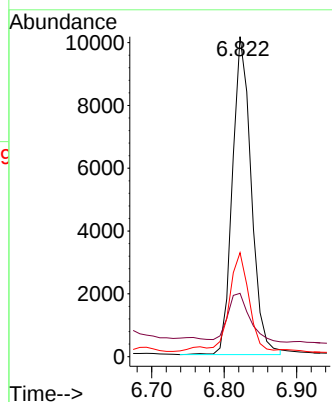
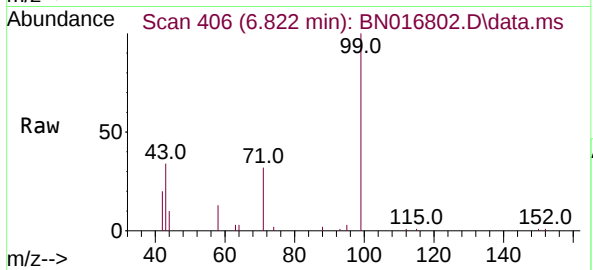




#5
Phenol-d6
Concen: 0.309 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.009 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

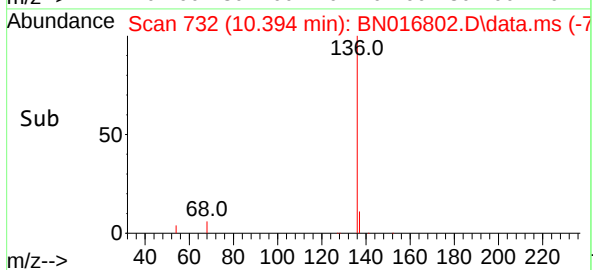
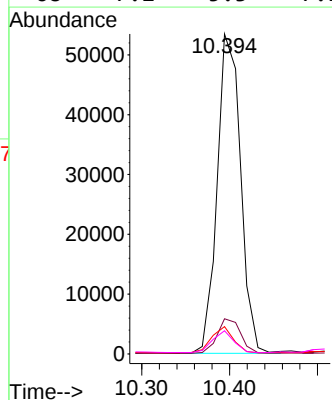
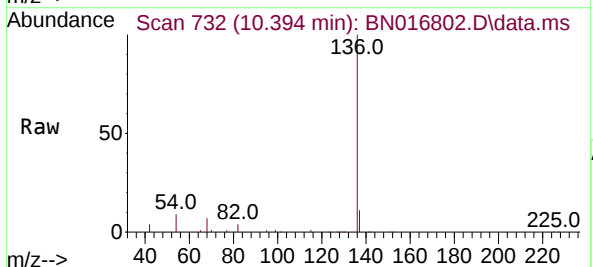
Instrument :
BNA_N
ClientSampled :

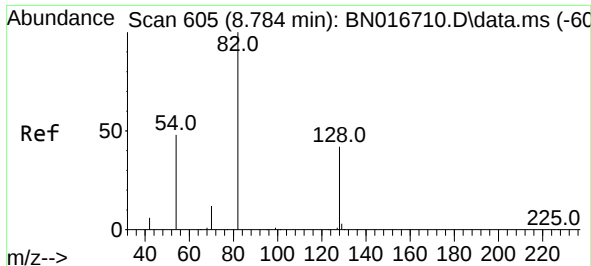
Tgt Ion: 99 Resp: 18252
Ion Ratio Lower Upper
99 100
42 17.7 13.4 20.2
71 33.2 24.0 36.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.012 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion: 136 Resp: 98971
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.6 6.5 9.7
68 7.2 5.3 7.9

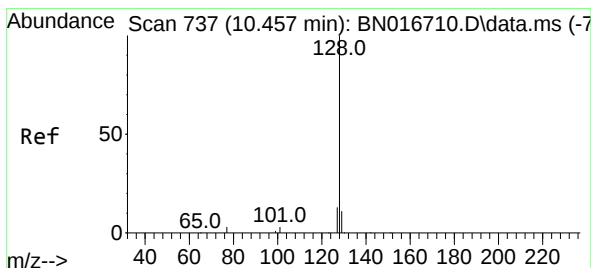
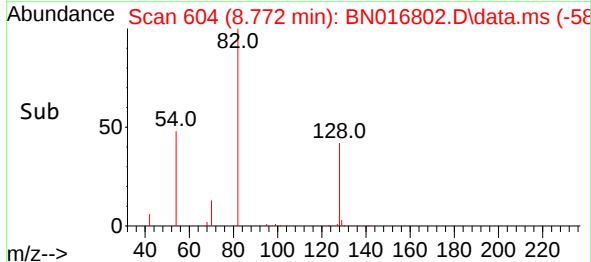
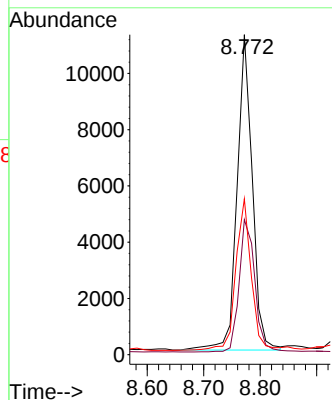
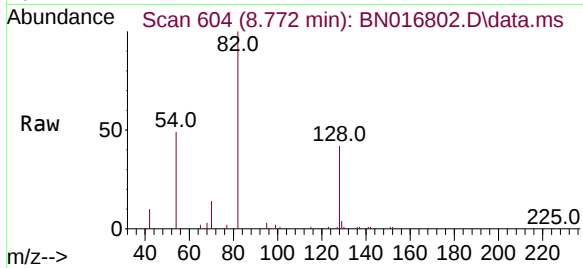




#8
Nitrobenzene-d5
Concen: 0.302 ng
RT: 8.772 min Scan# 604
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

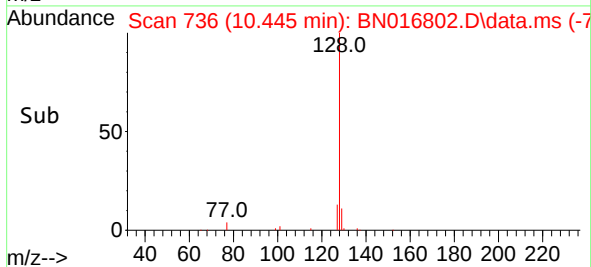
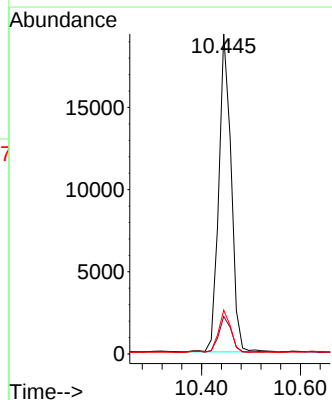
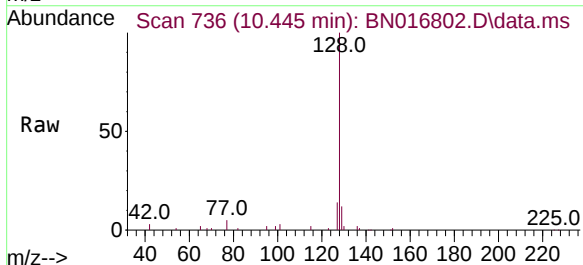
Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 20937
Ion Ratio Lower Upper
82 100
128 42.2 33.8 50.6
54 48.7 38.5 57.7



#9
Naphthalene
Concen: 0.123 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion: 128 Resp: 33430
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.7 10.3 15.5

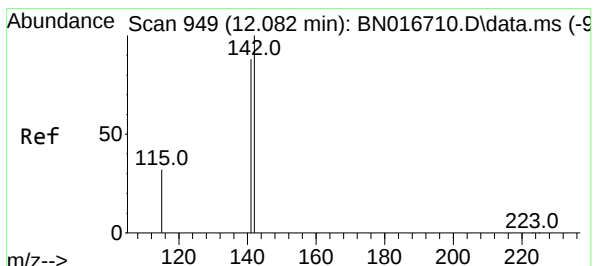
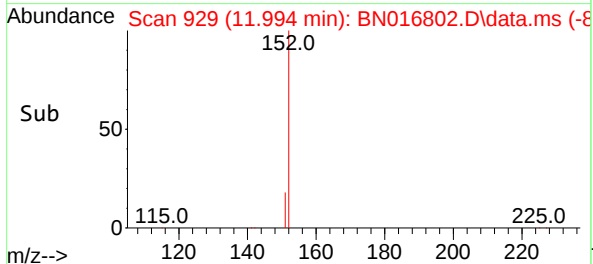
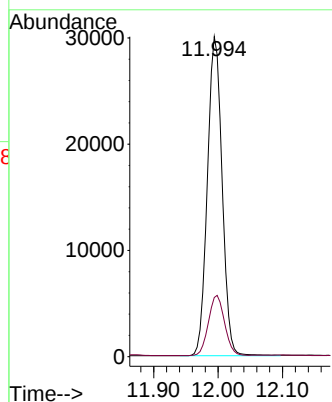
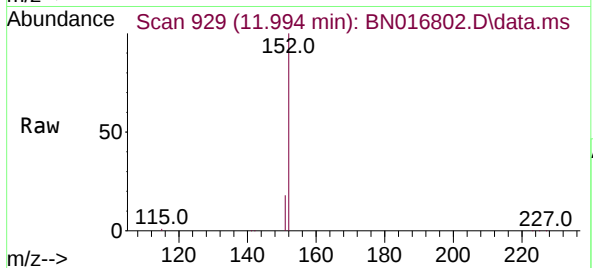




#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.004 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

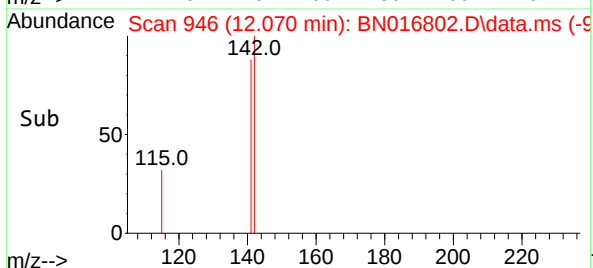
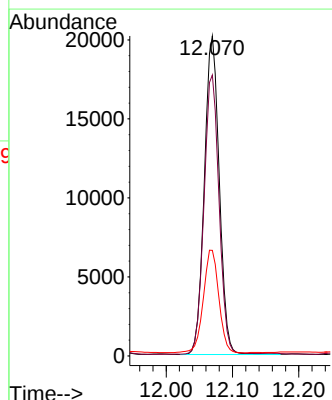
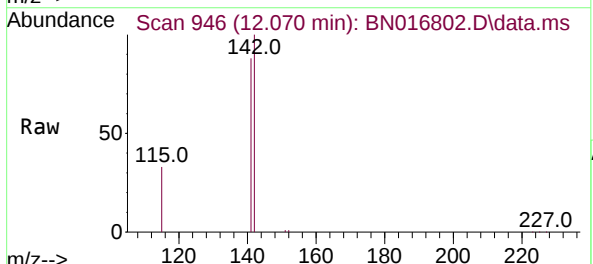
Instrument :
BNA_N
ClientSampled :

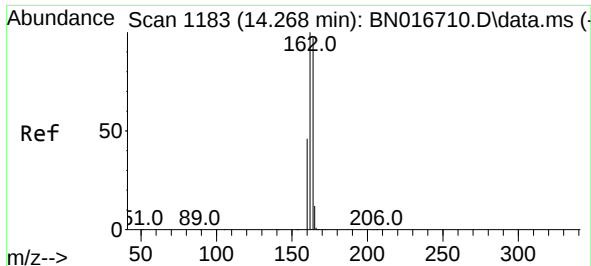
Tgt Ion:152 Resp: 47650
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.184 ng
RT: 12.070 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:142 Resp: 31589
Ion Ratio Lower Upper
142 100
141 87.8 70.6 106.0
115 33.0 26.1 39.1

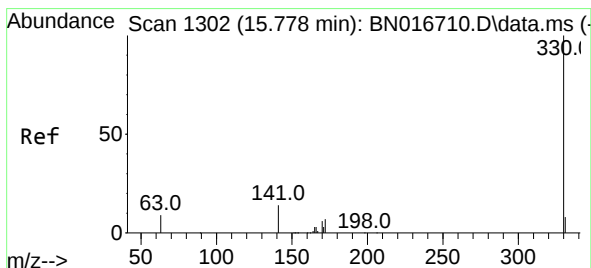
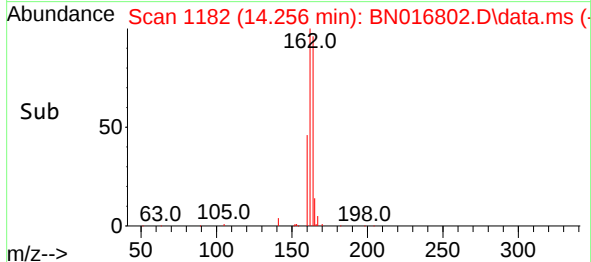
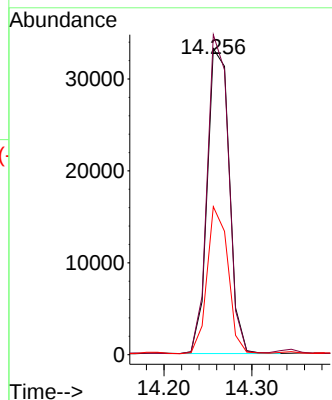
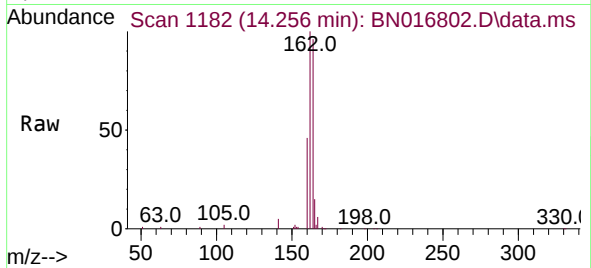




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. -0.012 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

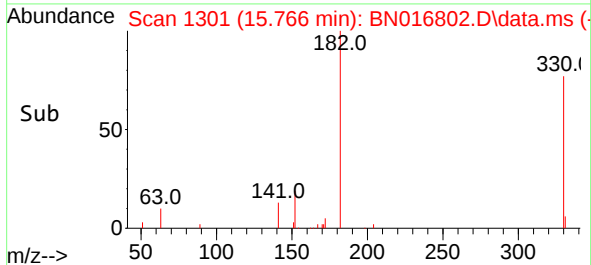
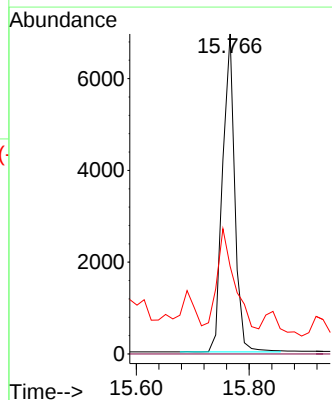
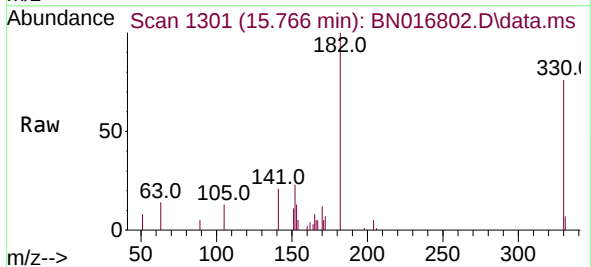
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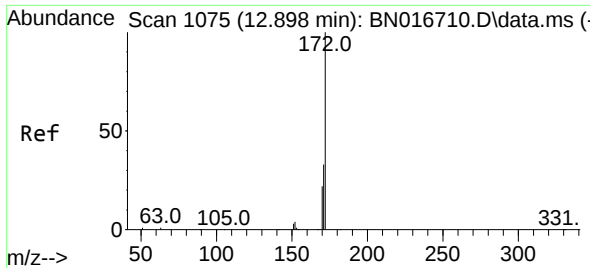
Tgt Ion:164 Resp: 57687
Ion Ratio Lower Upper
164 100
162 104.5 82.6 124.0
160 48.4 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.430 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:330 Resp: 10416
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 43.3 24.2 36.2#

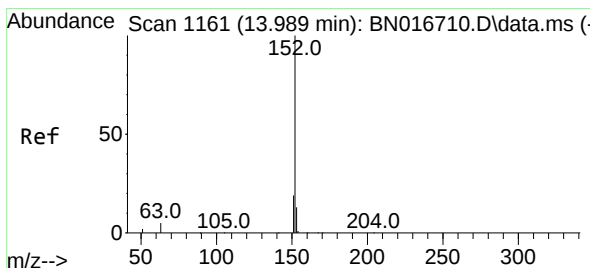
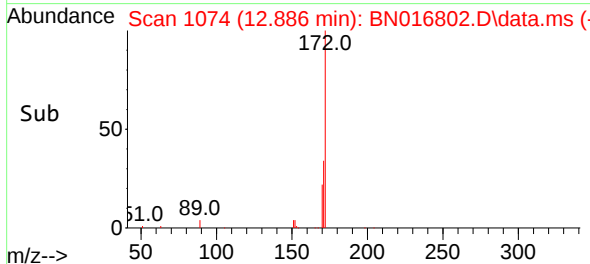
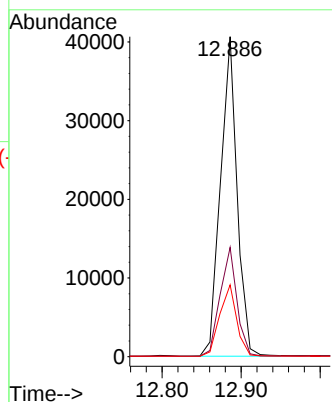
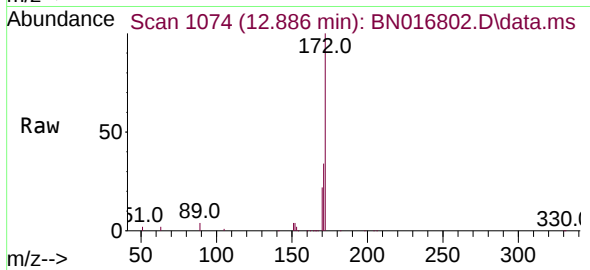




#15
2-Fluorobiphenyl
Concen: 0.258 ng
RT: 12.886 min Scan# 1074
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

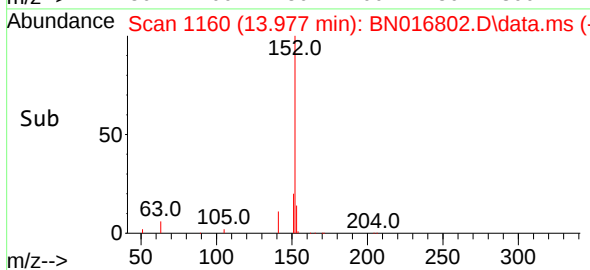
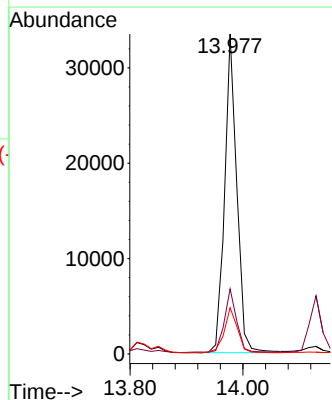
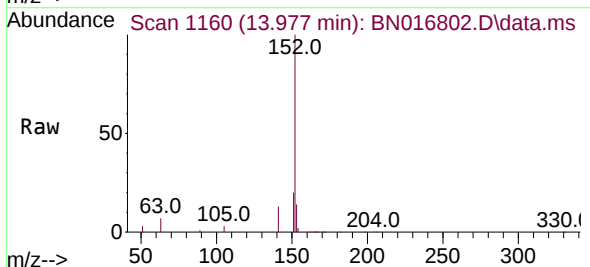
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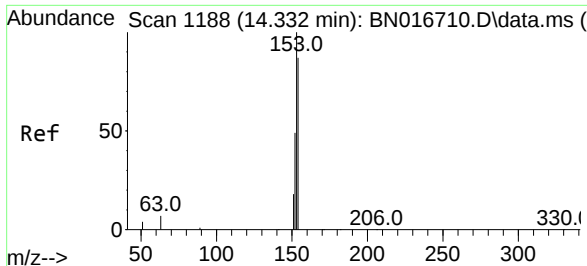
Tgt Ion:172 Resp: 59421
Ion Ratio Lower Upper
172 100
171 34.2 26.9 40.3
170 22.4 17.4 26.0



#16
Acenaphthylene
Concen: 0.197 ng
RT: 13.977 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:152 Resp: 50237
Ion Ratio Lower Upper
152 100
151 20.4 15.5 23.3
153 15.2 10.4 15.6

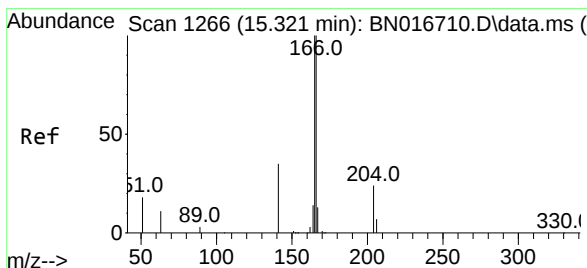
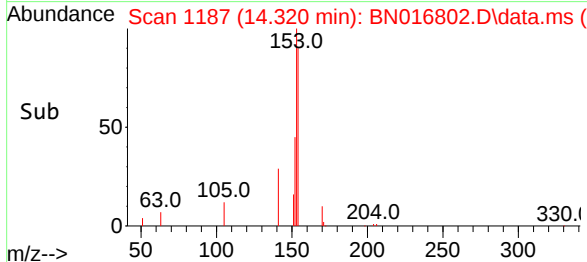
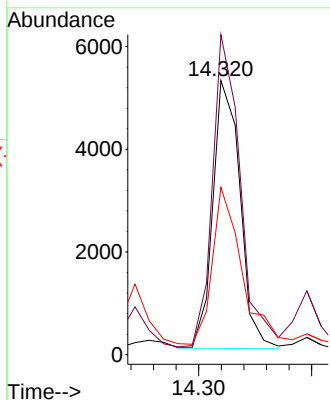
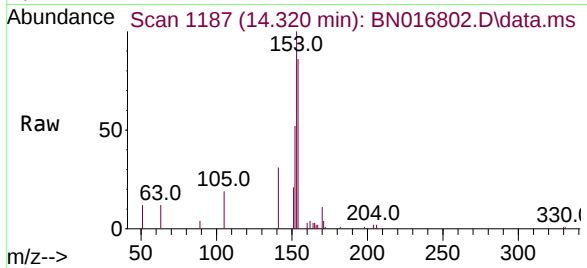




#17
Acenaphthene
Concen: 0.052 ng
RT: 14.320 min Scan# 1187
Delta R.T. -0.012 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

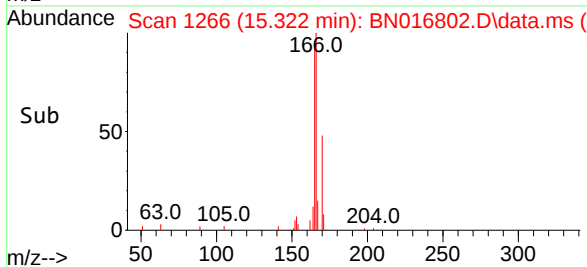
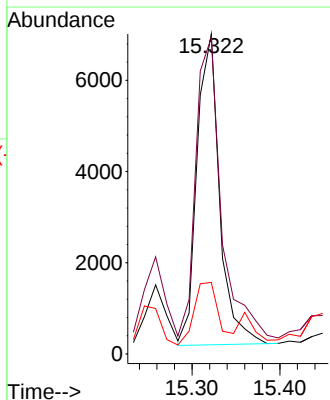
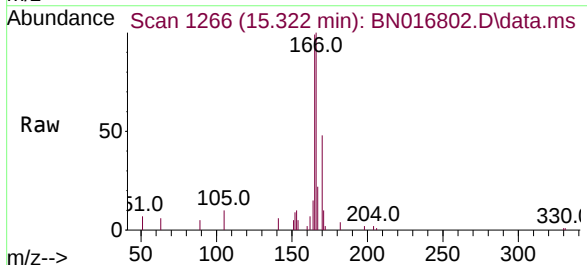
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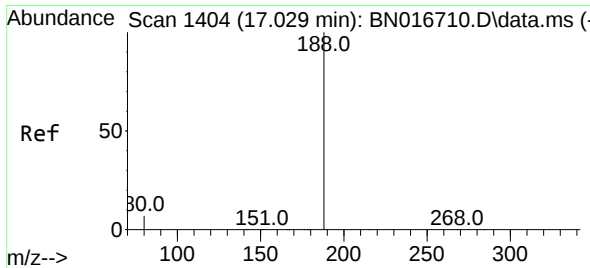
Tgt Ion:154 Resp: 8710
Ion Ratio Lower Upper
154 100
153 118.8 90.1 135.1
152 63.6 43.6 65.4



#18
Fluorene
Concen: 0.060 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:166 Resp: 12155
Ion Ratio Lower Upper
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165 109.8 78.1 117.1
167 22.4 10.7 16.1#

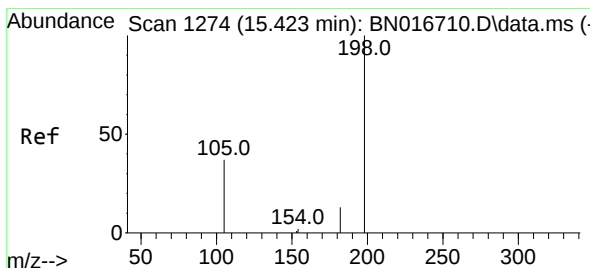
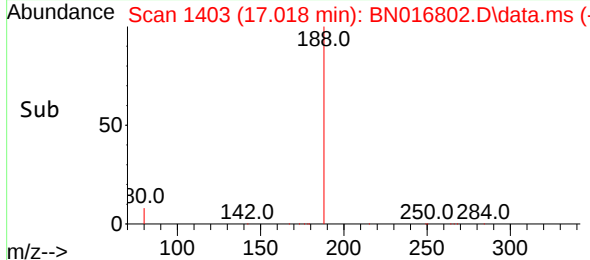
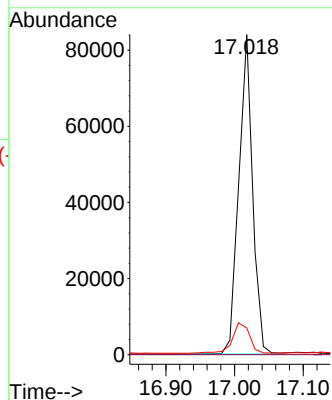
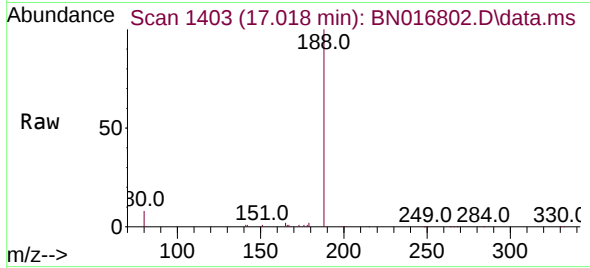




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

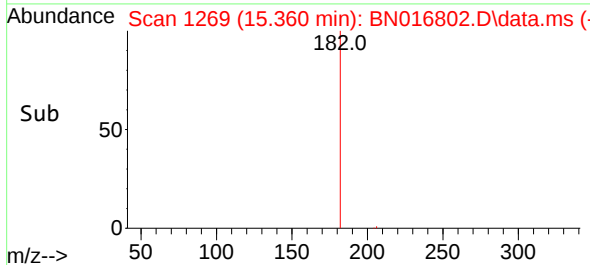
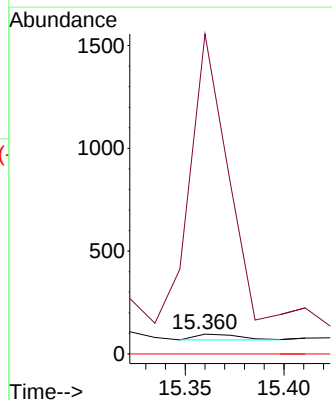
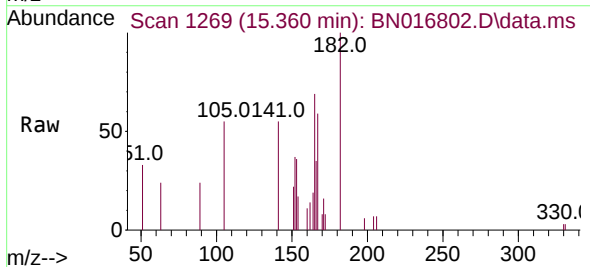
Instrument :
BNA_N
ClientSampled :

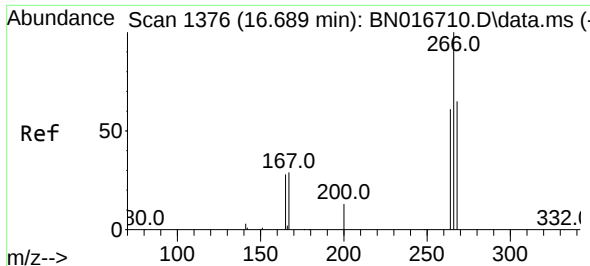
Tgt Ion:188 Resp: 117434
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 5.8 8.8



#20
4,6-Dinitro-2-methylphenol
Concen: 0.271 ng
RT: 15.360 min Scan# 1269
Delta R.T. -0.051 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:198 Resp: 45
Ion Ratio Lower Upper
198 100
182 1620.8 26.2 39.2#
77 0.0 0.0 0.0

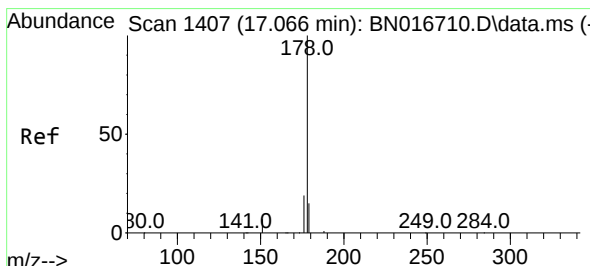
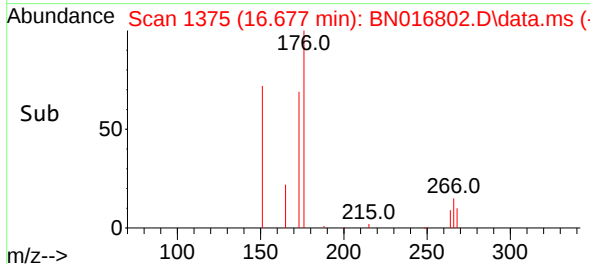
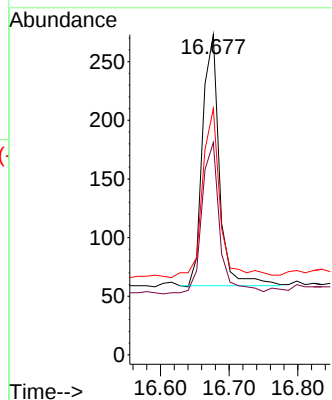
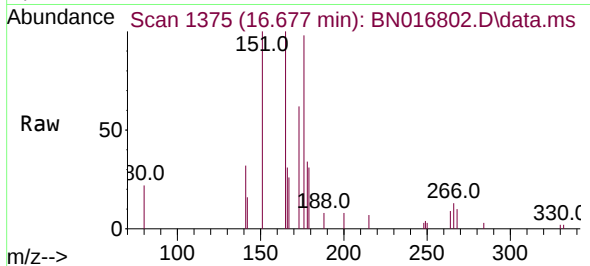




#24
Pentachlorophenol
Concen: 0.348 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

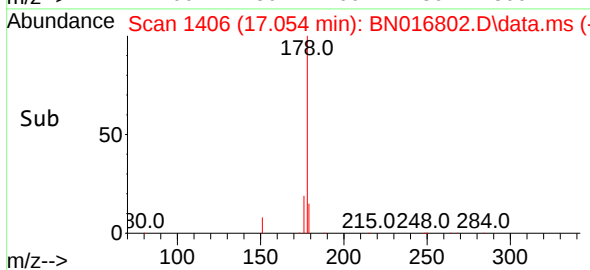
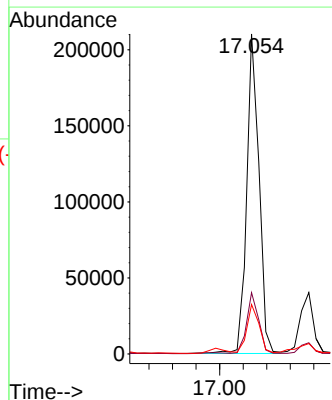
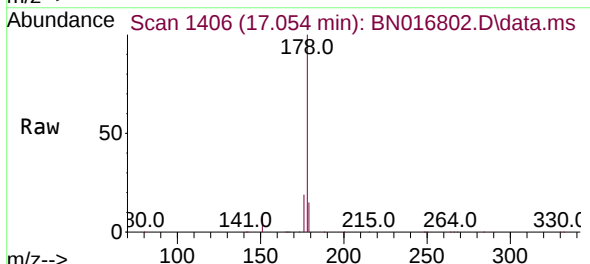
Instrument :
BNA_N
ClientSampled :

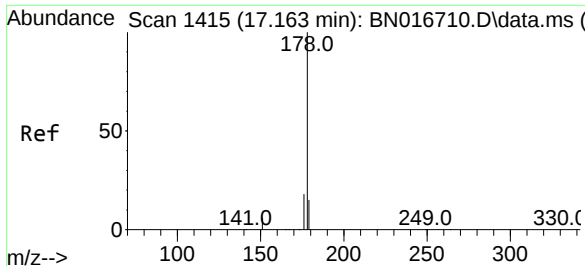
Tgt Ion:	266	Resp:	365
Ion Ratio	Lower	Upper	
266	100		
264	64.9	49.3	73.9
268	70.1	51.8	77.8



#25
Phenanthrene
Concen: 0.879 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

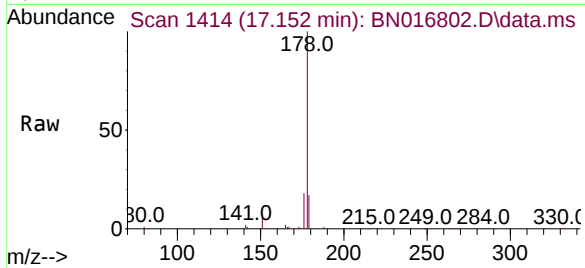
Tgt Ion:	178	Resp:	303558
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.0	22.6
179	15.1	12.4	18.6



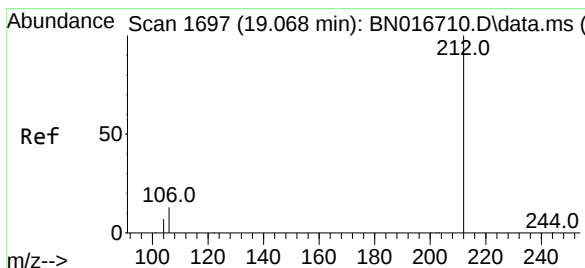
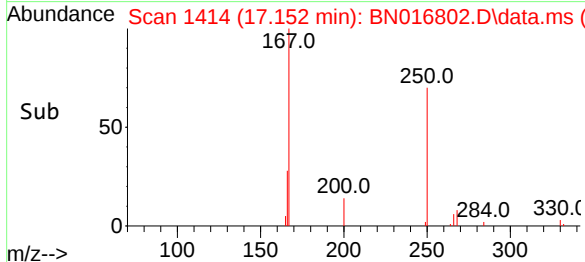
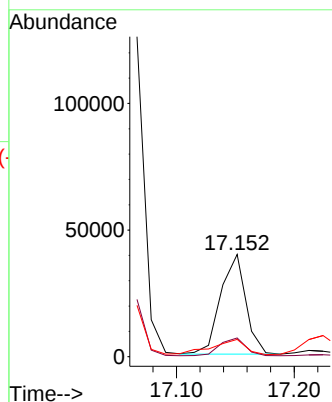


#26
 Anthracene
 Concen: 0.191 ng
 RT: 17.152 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016802.D
 Acq: 07 Oct 2021 06:08

Instrument :
 BNA_N
 ClientSampled :

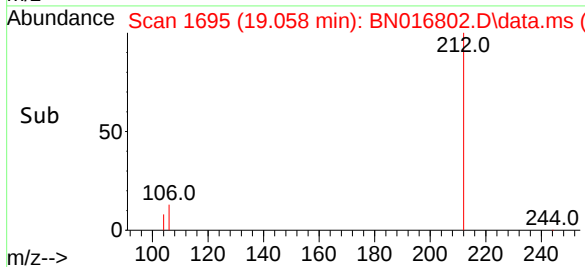
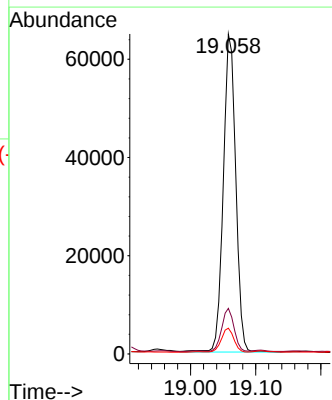
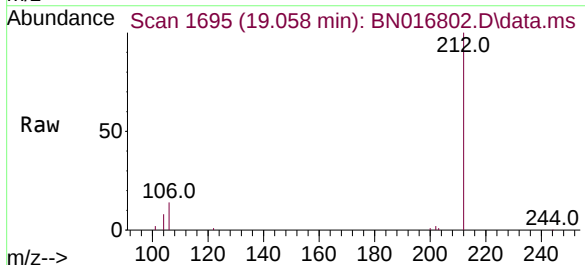


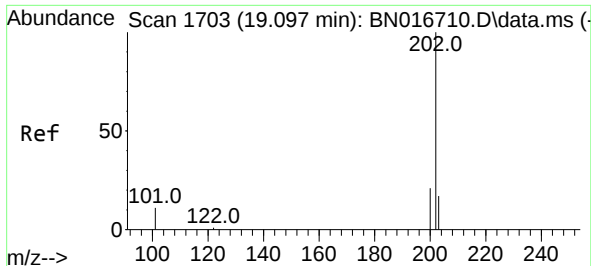
Tgt Ion:178 Resp: 58868
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.5 21.7
 179 20.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.267 ng
 RT: 19.058 min Scan# 1695
 Delta R.T. -0.005 min
 Lab File: BN016802.D
 Acq: 07 Oct 2021 06:08

Tgt Ion:212 Resp: 85890
 Ion Ratio Lower Upper
 212 100
 106 13.1 10.6 16.0
 104 7.4 5.8 8.8

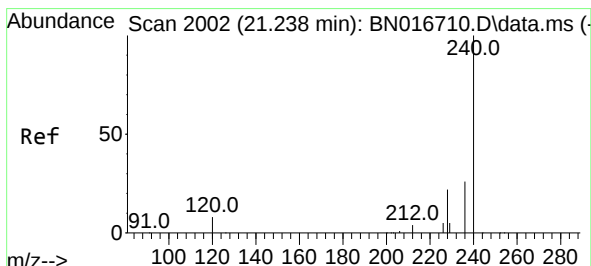
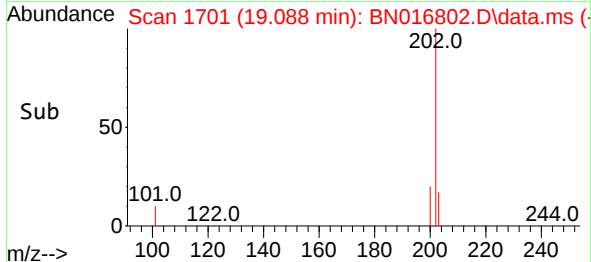
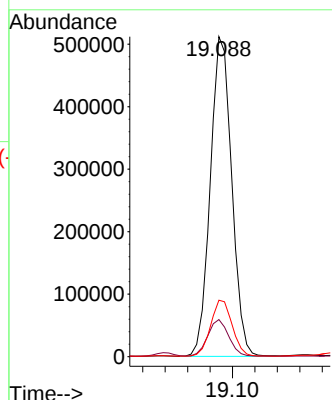
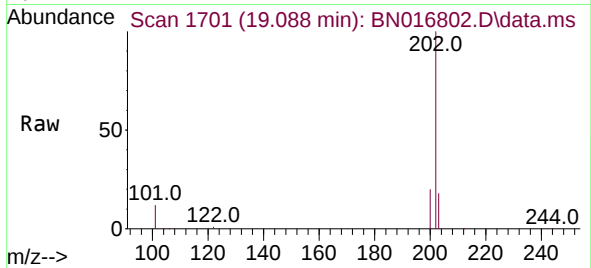




#28
Fluoranthene
Concen: 1.770 ng
RT: 19.088 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

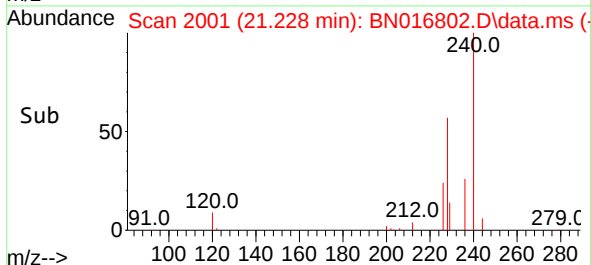
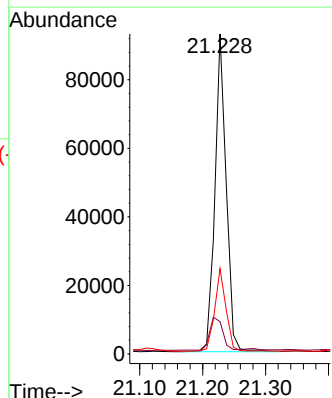
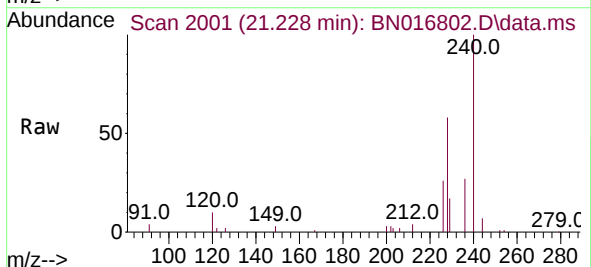
Instrument :
BNA_N
ClientSampleId :

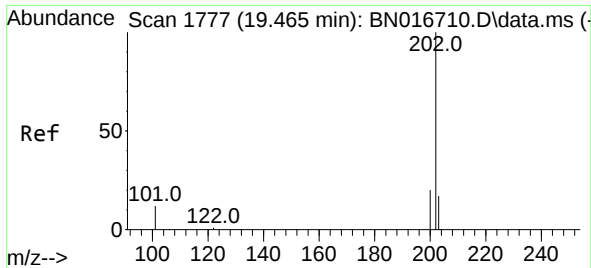
Tgt Ion:202 Resp: 678118
Ion Ratio Lower Upper
202 100
101 11.2 8.9 13.3
203 17.6 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.228 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:240 Resp: 115036
Ion Ratio Lower Upper
240 100
120 10.1 6.6 10.0#
236 26.7 20.7 31.1

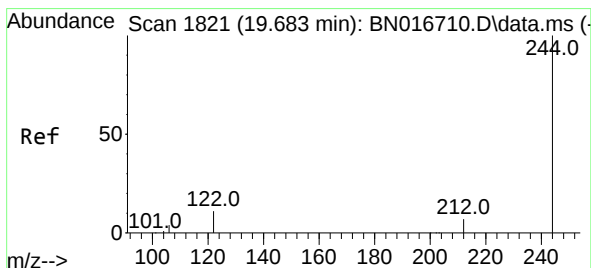
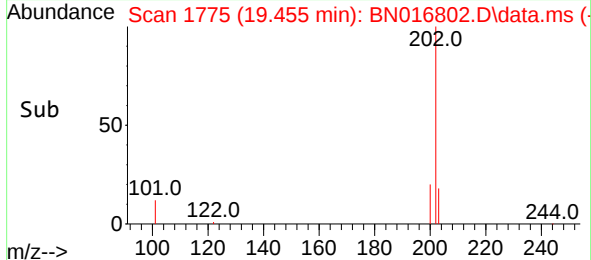
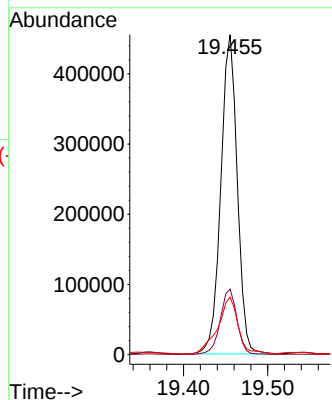
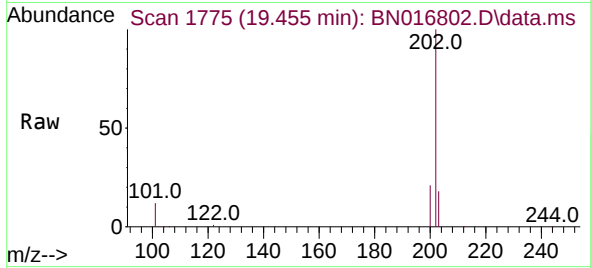




#30
Pyrene
Concen: 1.625 ng
RT: 19.455 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

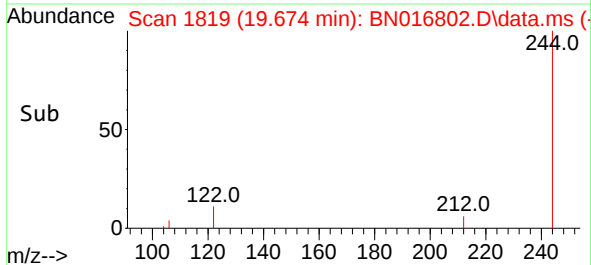
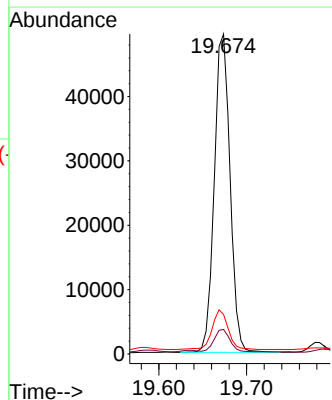
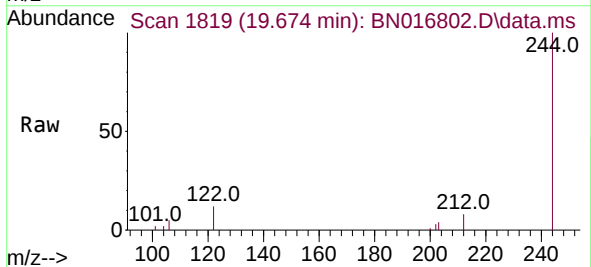
Instrument :
BNA_N
ClientSampled :

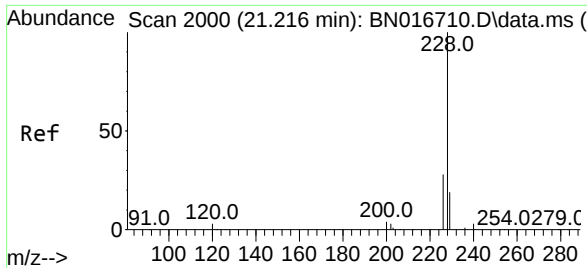
Tgt Ion:202 Resp: 614518
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.8 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.240 ng
RT: 19.674 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:244 Resp: 61660
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 12.4 8.9 13.3

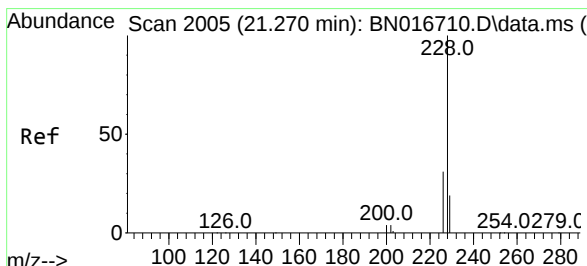
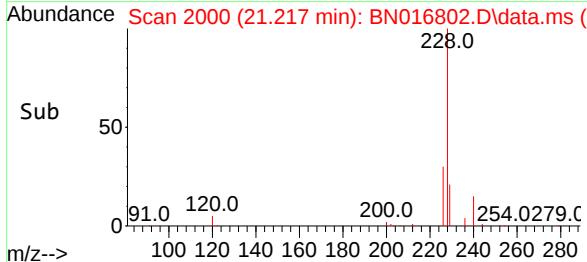
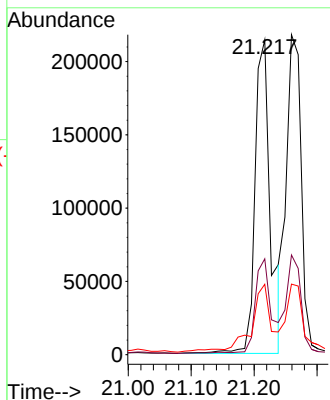
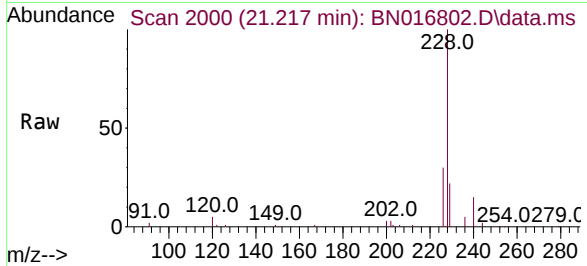




#32
Benzo(a)anthracene
Concen: 1.016 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

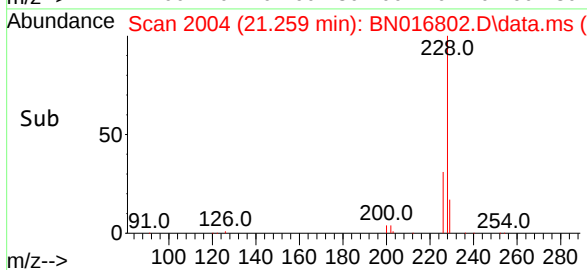
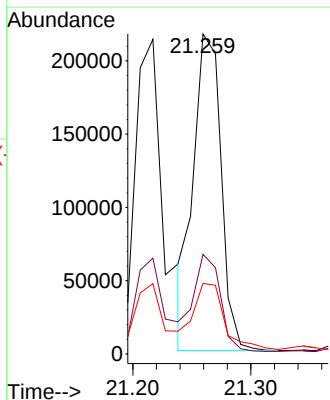
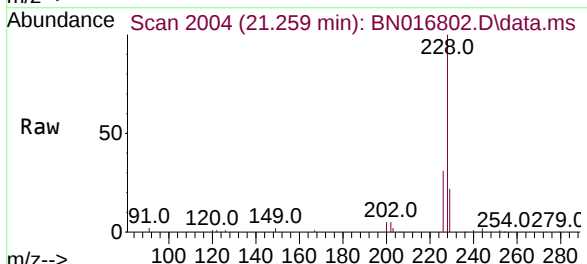
Instrument :
BNA_N
ClientSampled :

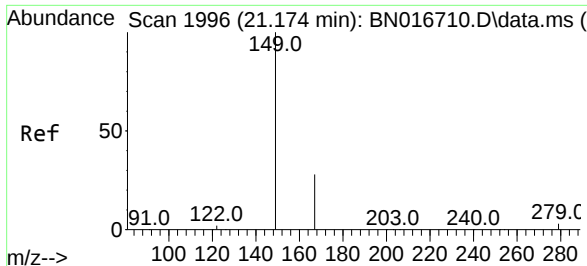
Tgt Ion:228 Resp: 362595
Ion Ratio Lower Upper
228 100
226 30.5 22.3 33.5
229 22.4 15.4 23.0



#33
Chrysene
Concen: 0.973 ng
RT: 21.259 min Scan# 2004
Delta R.T. -0.010 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:228 Resp: 352122
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 22.1 15.4 23.0

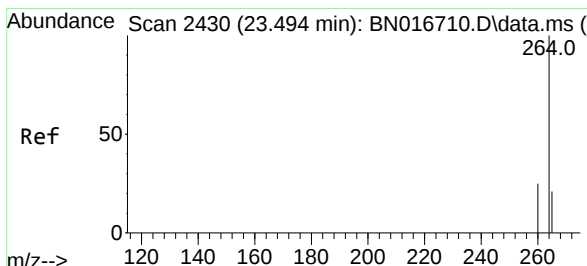
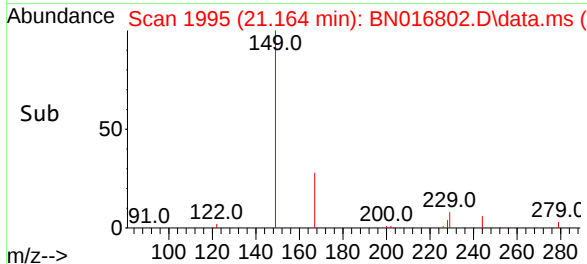
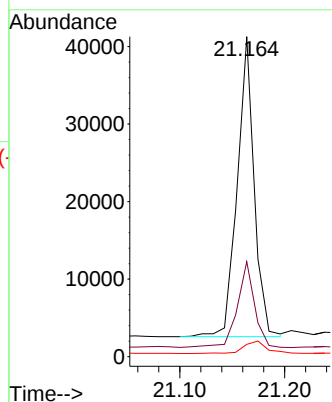
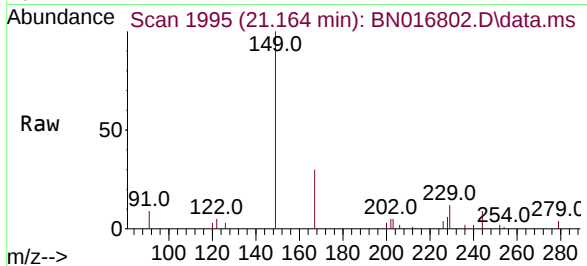




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.200 ng
 RT: 21.164 min Scan# 1995
 Delta R.T. 0.000 min
 Lab File: BN016802.D
 Acq: 07 Oct 2021 06:08

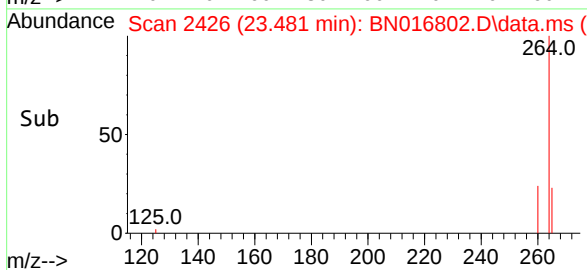
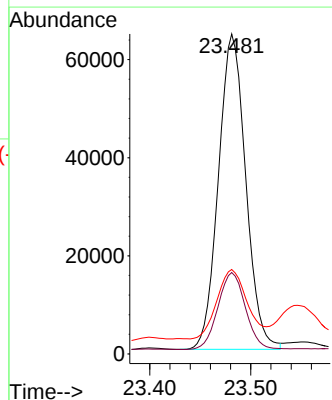
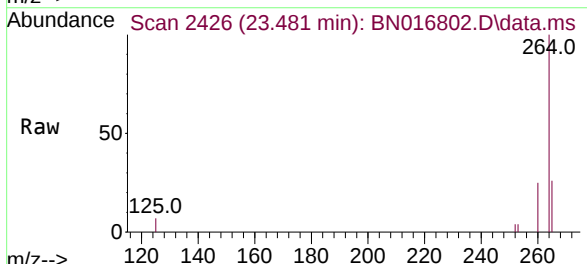
Instrument :
 BNA_N
 ClientSampled :

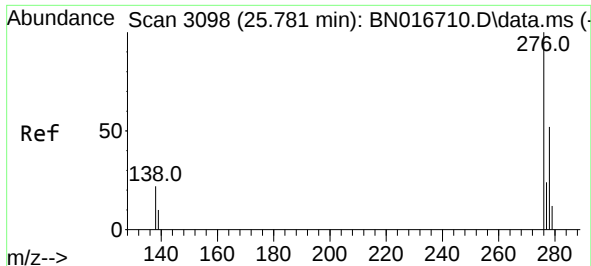
Tgt Ion:149 Resp: 43267
 Ion Ratio Lower Upper
 149 100
 167 29.1 22.2 33.4
 279 5.6 3.4 5.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.481 min Scan# 2426
 Delta R.T. 0.000 min
 Lab File: BN016802.D
 Acq: 07 Oct 2021 06:08

Tgt Ion:264 Resp: 120861
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.8 29.6
 265 26.4 20.3 30.5

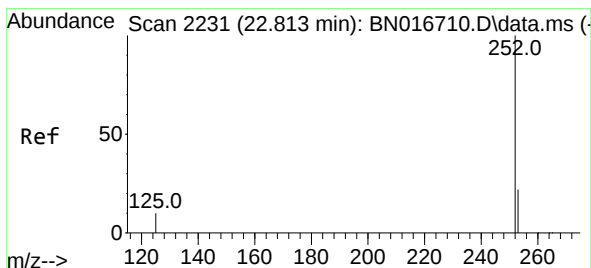
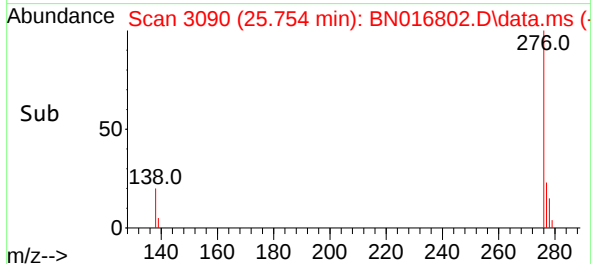
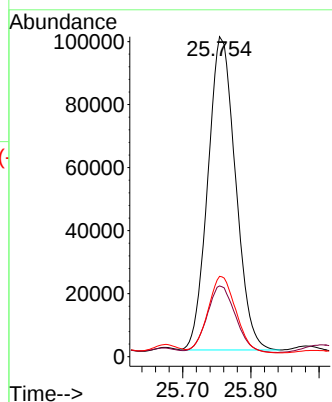
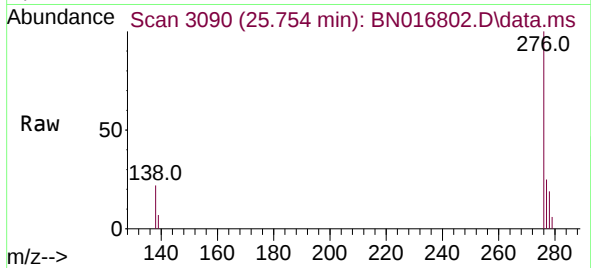




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.730 ng
RT: 25.754 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

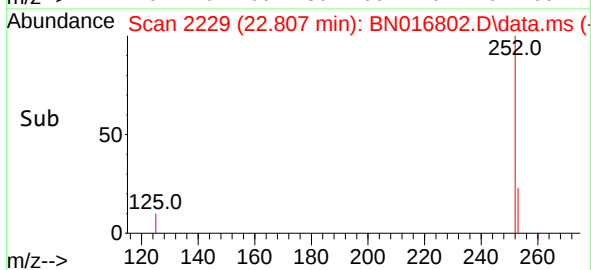
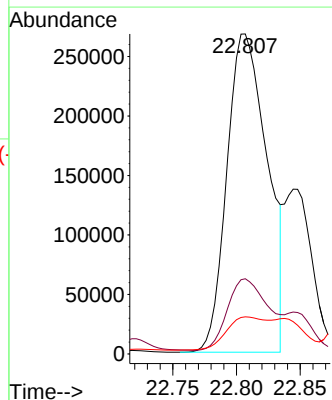
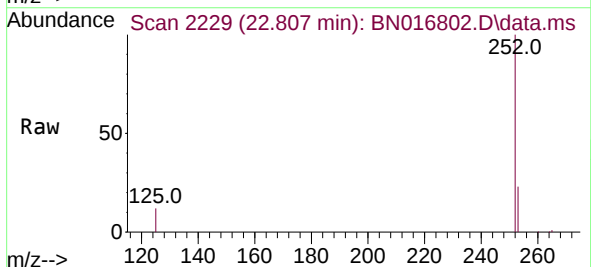
Instrument :
BNA_N
ClientSampled :

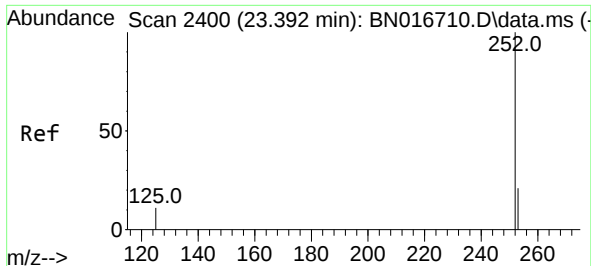
Tgt Ion:276 Resp: 280150
Ion Ratio Lower Upper
276 100
138 22.0 19.2 28.8
277 24.8 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 1.512 ng
RT: 22.807 min Scan# 2229
Delta R.T. 0.004 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:252 Resp: 590861
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.6 8.3 12.5





#39

Benzo(a)pyrene

Concen: 1.087 ng

RT: 23.382 min Scan# 2397

Delta R.T. 0.000 min

Lab File: BN016802.D

Acq: 07 Oct 2021 06:08

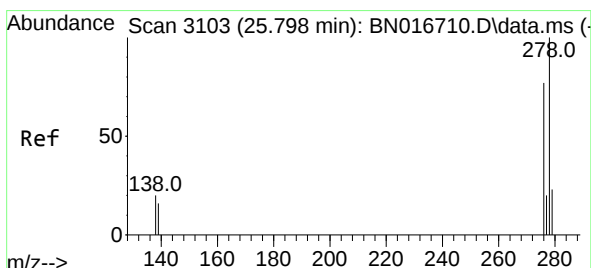
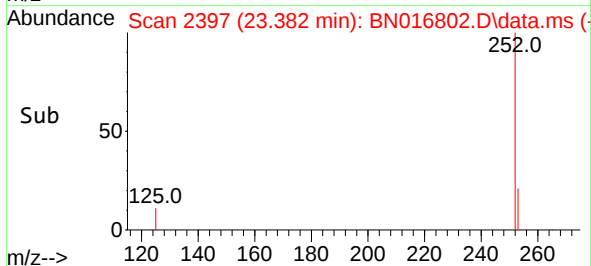
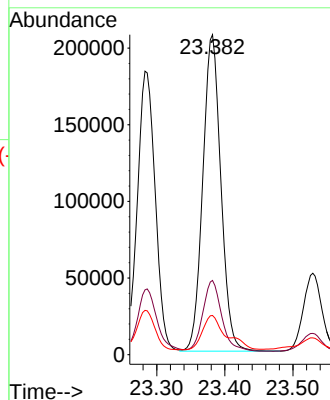
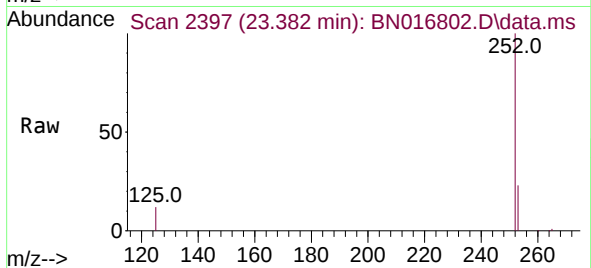
Tgt Ion:252 Resp: 380069

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 12.3 9.4 14.2



#40

Dibenzo(a,h)anthracene

Concen: 0.235 ng

RT: 25.775 min Scan# 3096

Delta R.T. -0.003 min

Lab File: BN016802.D

Acq: 07 Oct 2021 06:08

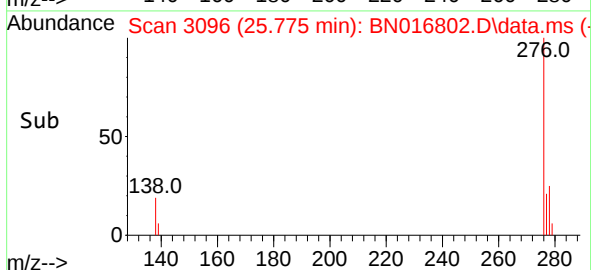
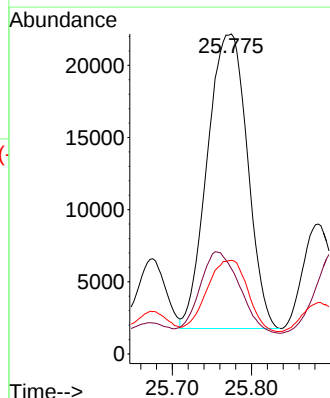
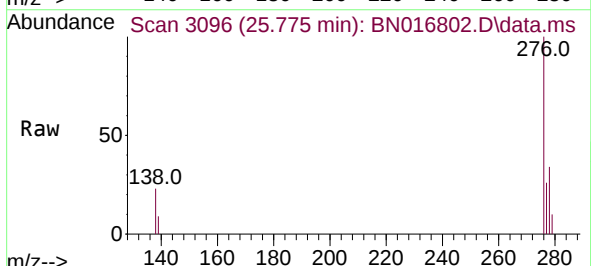
Tgt Ion:278 Resp: 71654

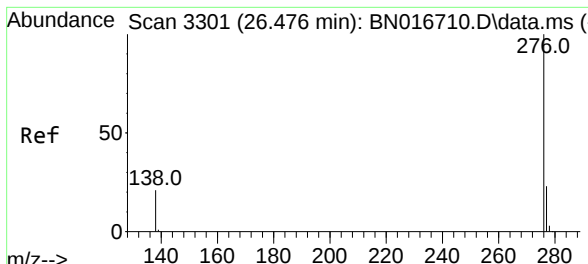
Ion Ratio Lower Upper

278 100

139 26.6 13.1 19.7#

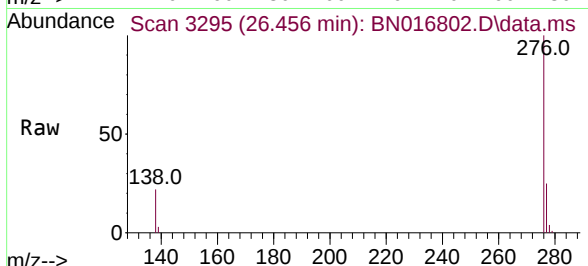
279 29.3 19.3 28.9#





#41
Benzo(g,h,i)perylene
Concen: 0.742 ng
RT: 26.456 min Scan# 3295
Delta R.T. 0.004 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 252816
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.4
138 22.1 17.0 25.6

