

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016702.D
 Acq On : 03 Oct 2021 11:12
 Operator : CG/JU
 Sample : M3892-14
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-1-1.5-092221

Quant Time: Oct 04 03:38:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

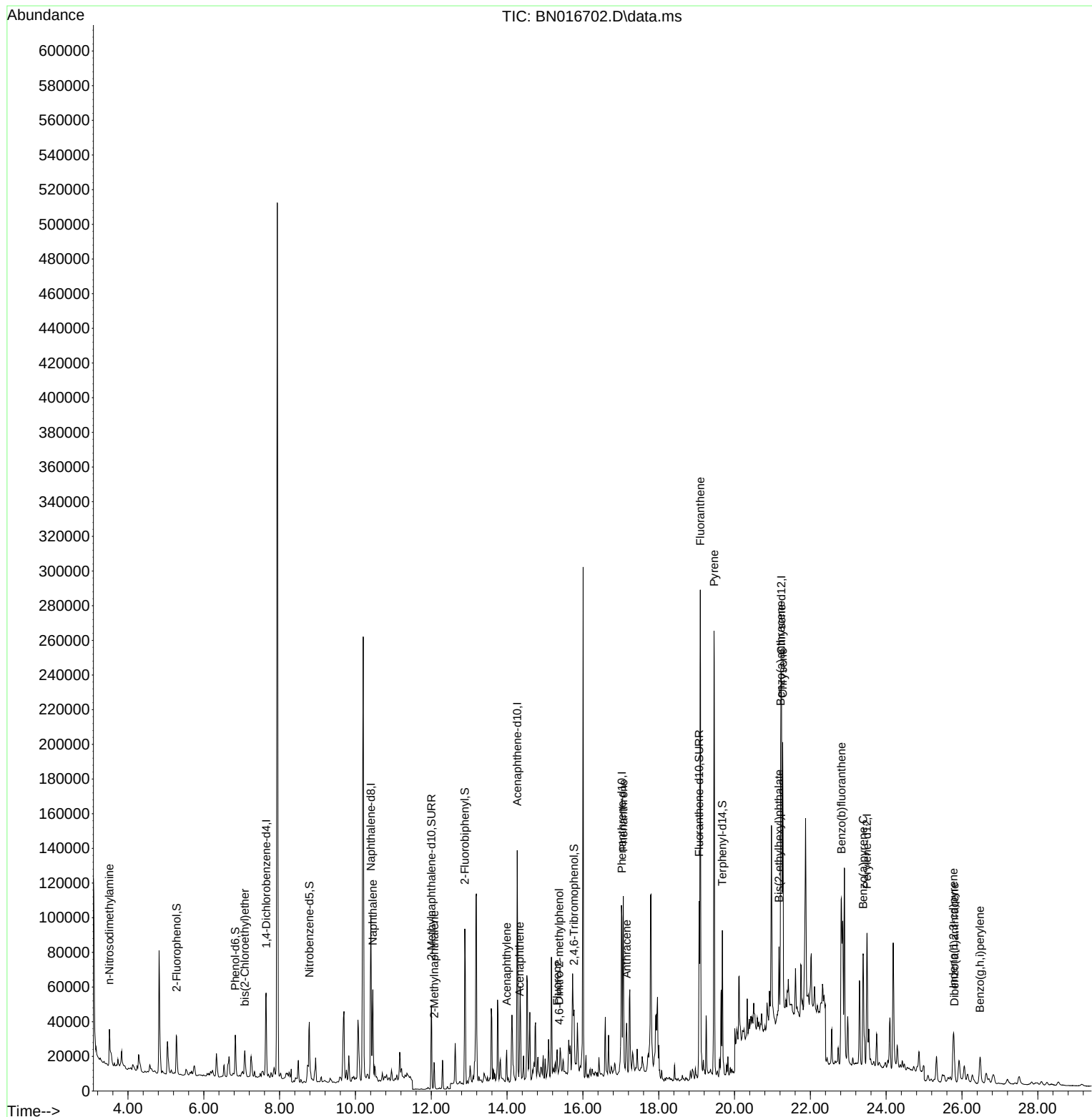
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	27384	0.400	ng	0.00
7) Naphthalene-d8	10.406	136	123602	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	71316	0.400	ng	0.00
19) Phenanthrene-d10	17.030	188	137150	0.400	ng	0.00
29) Chrysene-d12	21.238	240	133653	0.400	ng	# 0.00
35) Perylene-d12	23.495	264	90683	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.282	112	25064	0.359	ng	0.03
5) Phenol-d6	6.831	99	25557	0.335	ng	0.00
8) Nitrobenzene-d5	8.784	82	31682	0.393	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	63898	0.350	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	14650	0.451	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	78425	0.272	ng	-0.01
27) Fluoranthene-d10	19.068	212	106614	0.292	ng	0.00
31) Terphenyl-d14	19.678	244	80575	0.277	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.511	42	5717	0.283	ng	# 1
6) bis(2-Chloroethyl)ether	7.080	93	29447	0.396	ng	# 25
9) Naphthalene	10.457	128	11771	0.035	ng	# 93
12) 2-Methylnaphthalene	12.078	142	10908	0.051	ng	# 98
16) Acenaphthylene	13.989	152	17387	0.056	ng	# 96
17) Acenaphthene	14.332	154	4240	0.020	ng	# 74
18) Fluorene	15.322	166	6376	0.026	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.372	198	42	0.139	ng	# 1
25) Phenanthrene	17.066	178	105229	0.255	ng	# 98
26) Anthracene	17.151	178	24900	0.070	ng	# 80
28) Fluoranthene	19.097	202	242275	0.544	ng	# 99
30) Pyrene	19.460	202	230929	0.534	ng	# 95
32) Benzo(a)anthracene	21.217	228	136403	0.333	ng	# 96
33) Chrysene	21.270	228	150061	0.361	ng	# 96
34) Bis(2-ethylhexyl)phtha...	21.174	149	36122	0.221	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.778	276	37940	0.117	ng	# 82
37) Benzo(b)fluoranthene	22.817	252	152145	0.522	ng	# 86
39) Benzo(a)pyrene	23.392	252	90884	0.350	ng	# 84
40) Dibenzo(a,h)anthracene	25.798	278	13129	0.050	ng	# 27
41) Benzo(g,h,i)perylene	26.476	276	31061	0.109	ng	# 80

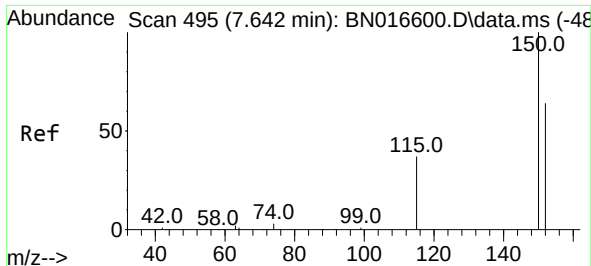
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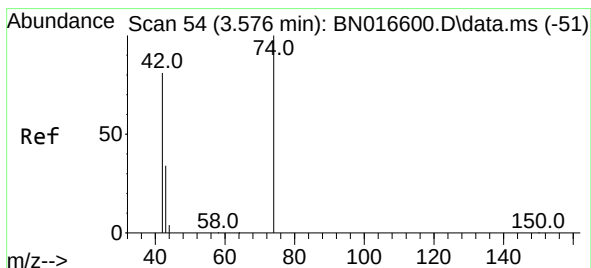
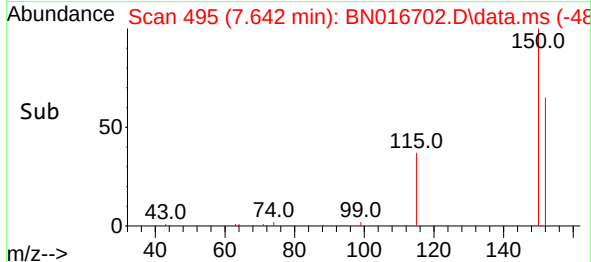
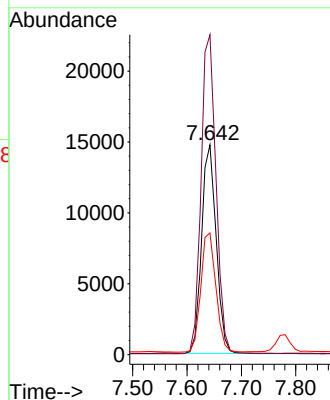
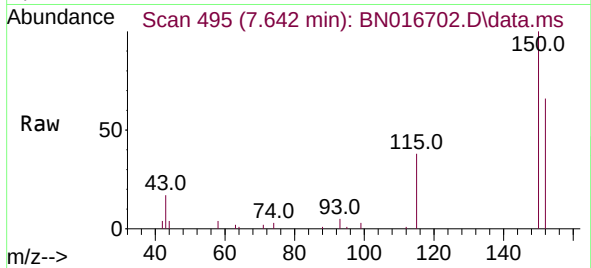




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

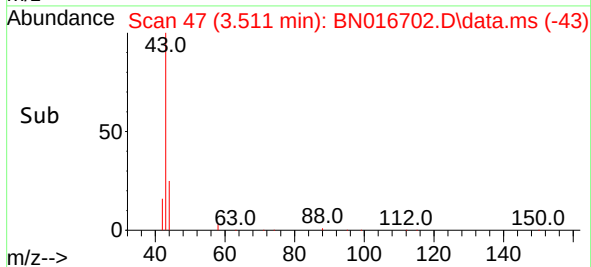
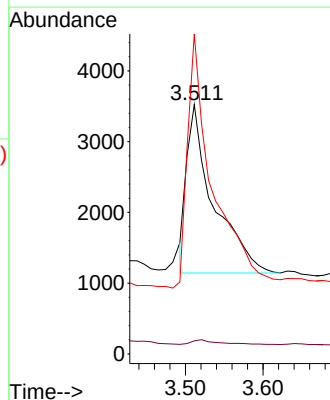
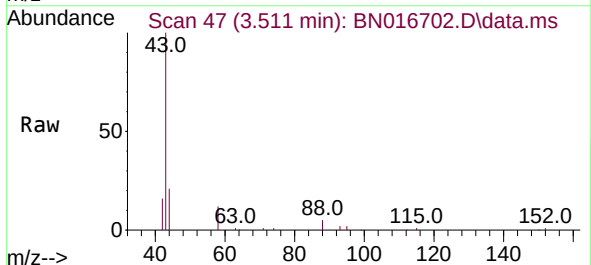
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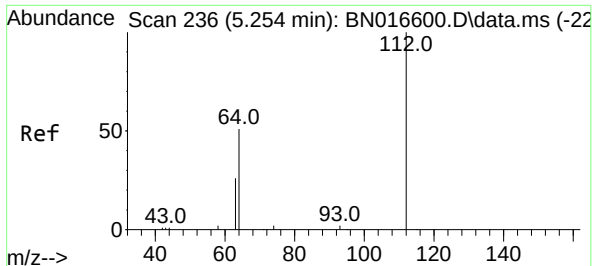
Tgt Ion:152 Resp: 27384
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 58.0 46.5 69.7



#3
n-Nitrosodimethylamine
Concen: 0.283 ng
RT: 3.511 min Scan# 47
Delta R.T. -0.064 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion: 42 Resp: 5717
Ion Ratio Lower Upper
42 100
74 2.7 121.6 182.4#
44 132.1 6.3 9.5#

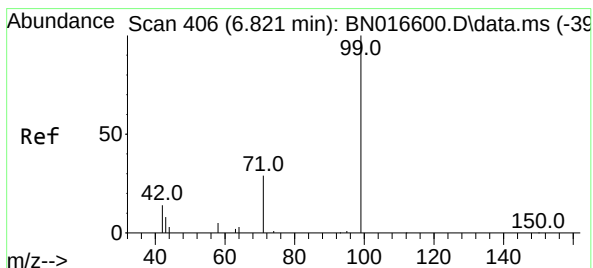
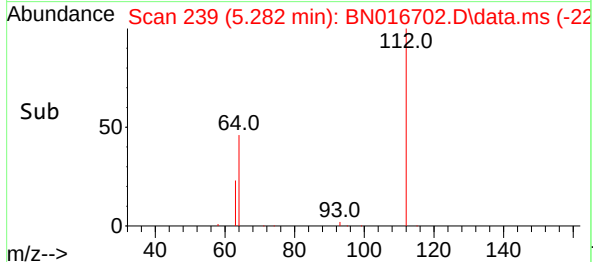
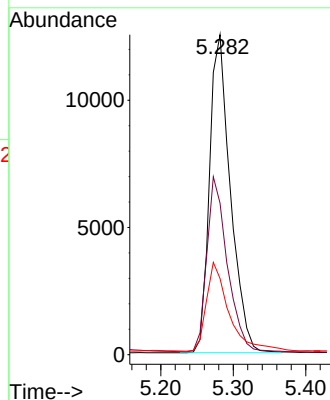
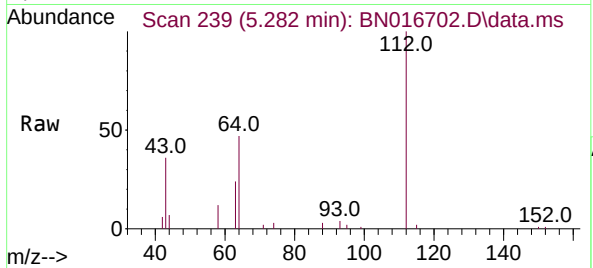




#4
2-Fluorophenol
Concen: 0.359 ng
RT: 5.282 min Scan# 239
Delta R.T. 0.028 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

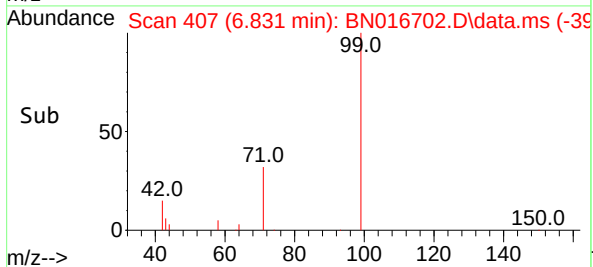
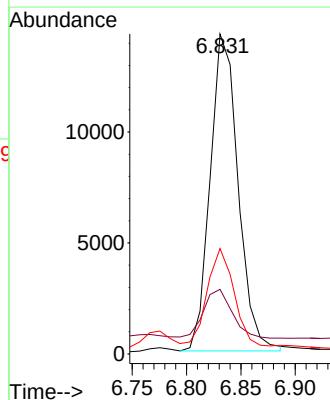
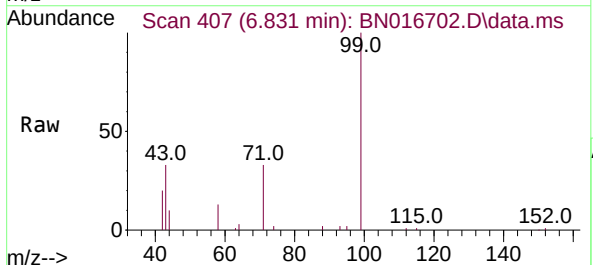
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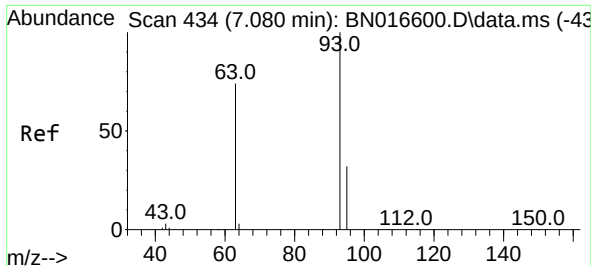
Tgt Ion:112	Resp:	25064
Ion Ratio	Lower	Upper
112	100	
64	53.9	43.1 64.7
63	29.6	21.6 32.4



#5
Phenol-d6
Concen: 0.335 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion: 99	Resp:	25557
Ion Ratio	Lower	Upper
99	100	
42	15.7	13.0 19.6
71	29.7	23.5 35.3

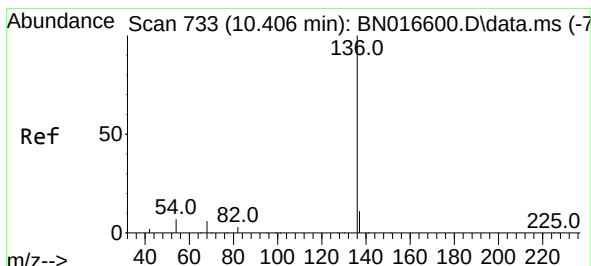
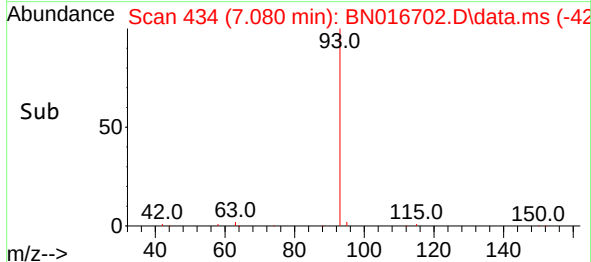
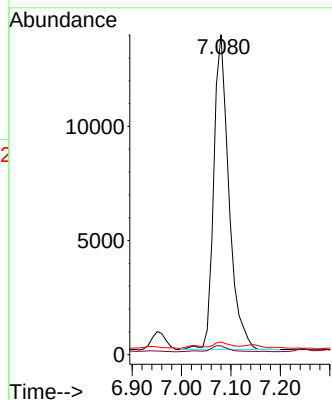
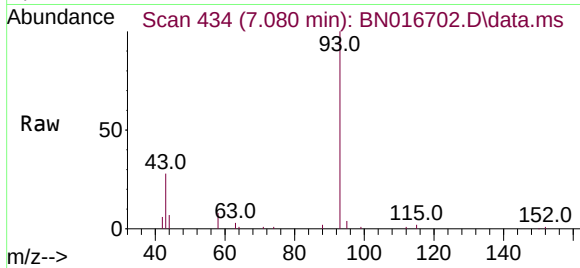




#6
bis(2-Chloroethyl)ether
Concen: 0.396 ng
RT: 7.080 min Scan# 434
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

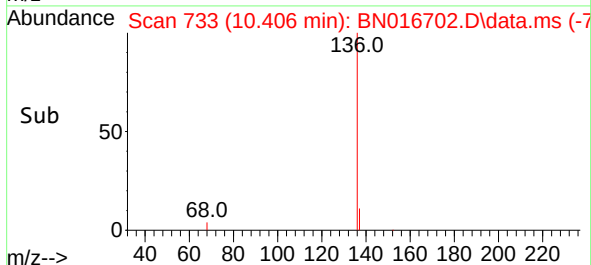
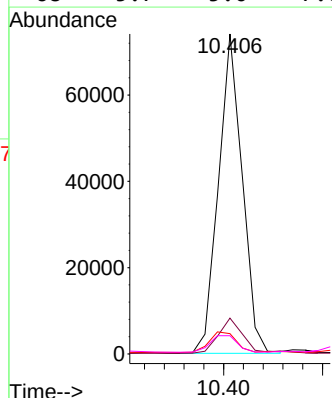
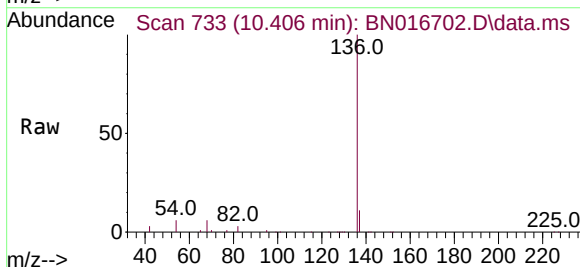
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

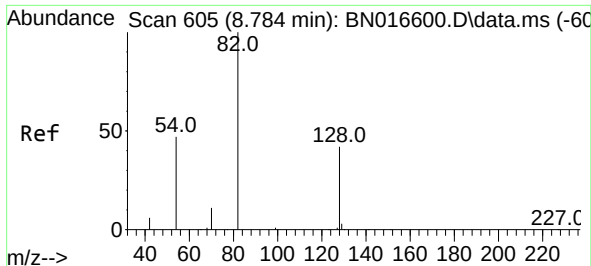
Tgt Ion: 93 Resp: 29447
Ion Ratio Lower Upper
93 100
63 2.4 59.1 88.7#
95 2.2 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion: 136 Resp: 123602
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 6.4 5.9 8.9
68 5.7 5.0 7.6

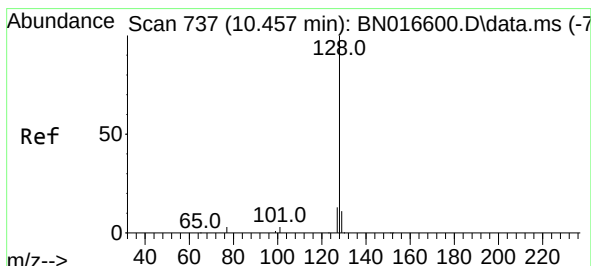
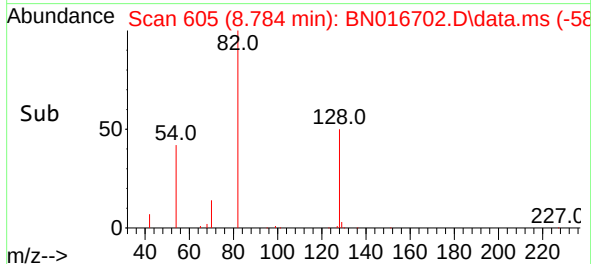
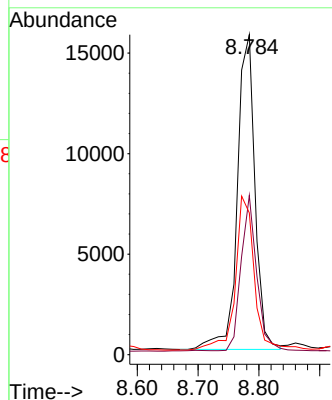
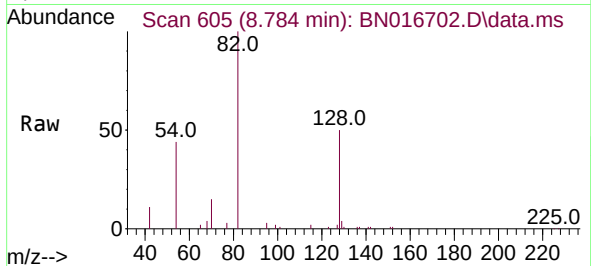




#8
Nitrobenzene-d5
Concen: 0.393 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

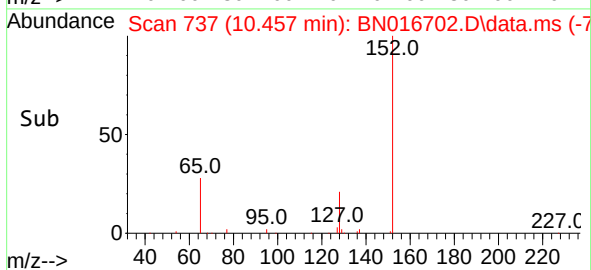
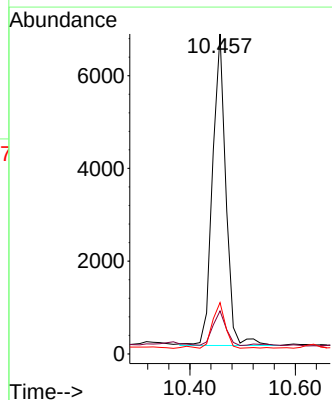
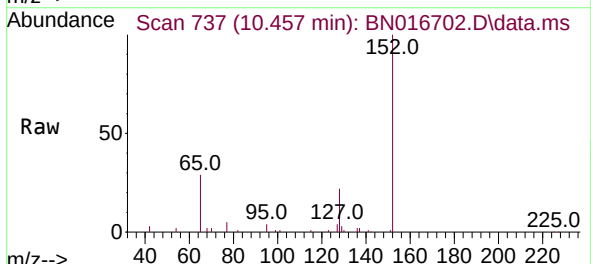
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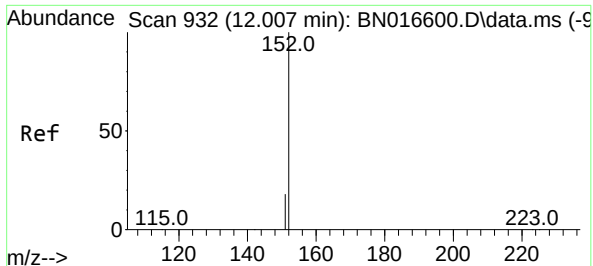
Tgt Ion: 82 Resp: 31682
Ion Ratio Lower Upper
82 100
128 49.7 33.6 50.4
54 44.3 37.6 56.4



#9
Naphthalene
Concen: 0.035 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion: 128 Resp: 11771
Ion Ratio Lower Upper
128 100
129 13.5 8.8 13.2#
127 16.1 10.3 15.5#

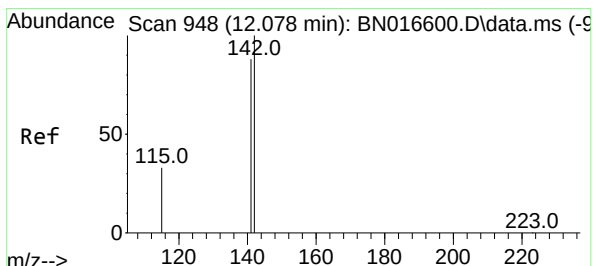
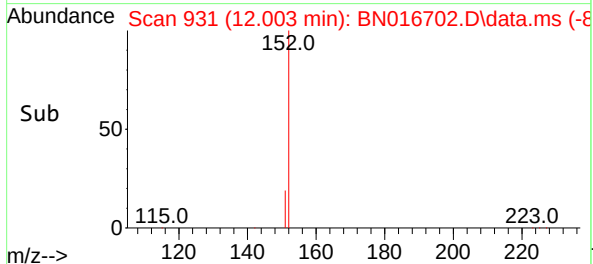
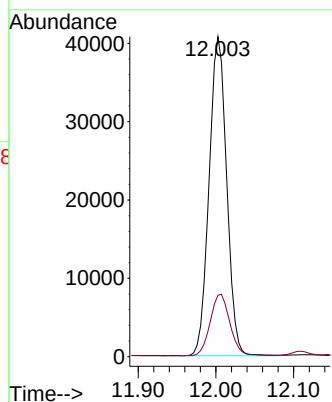
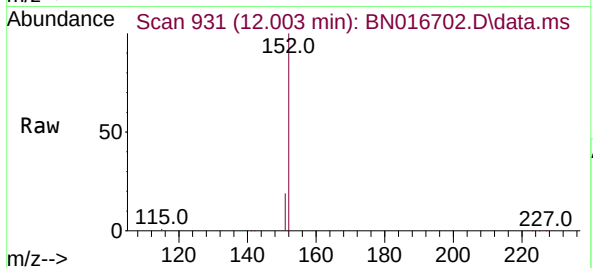




#11
2-Methylnaphthalene-d10
Concen: 0.350 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

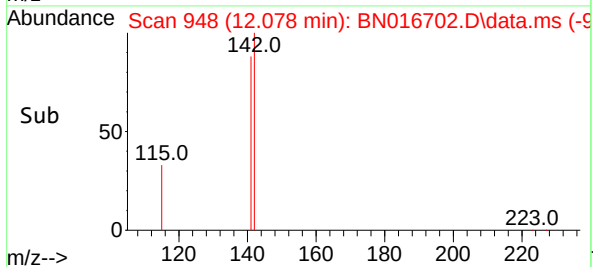
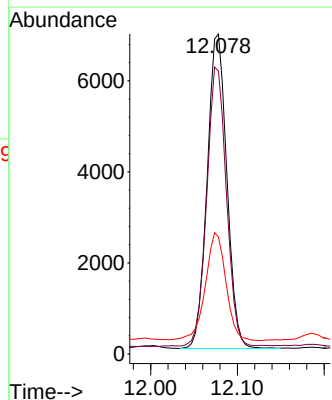
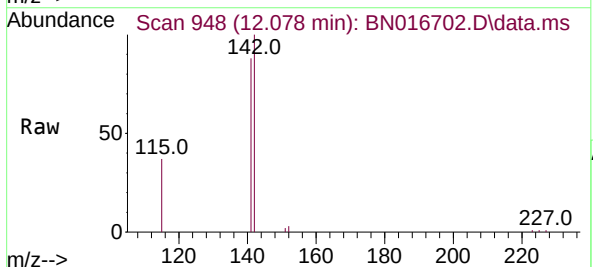
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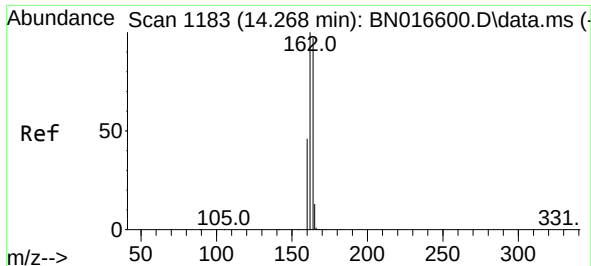
Tgt Ion:152 Resp: 63898
Ion Ratio Lower Upper
152 100
151 21.6 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.051 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:142 Resp: 10908
Ion Ratio Lower Upper
142 100
141 88.4 70.6 105.8
115 36.5 26.6 39.8

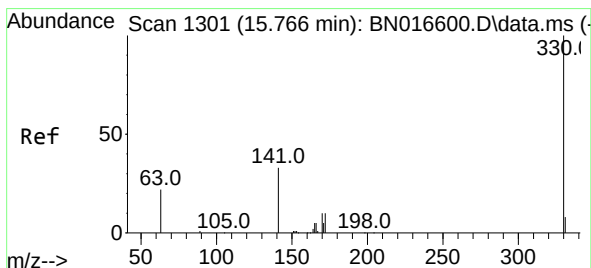
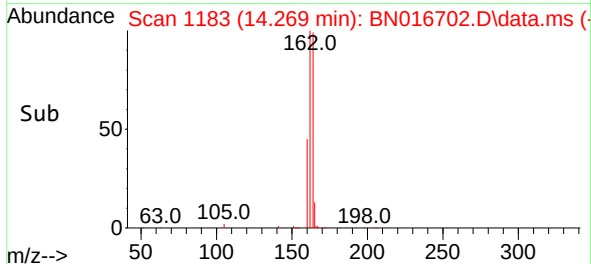
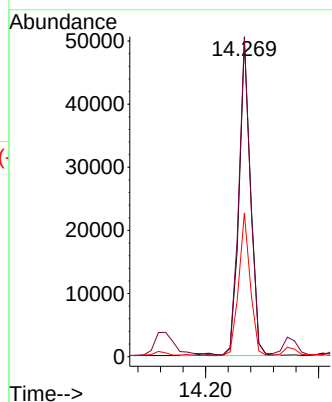
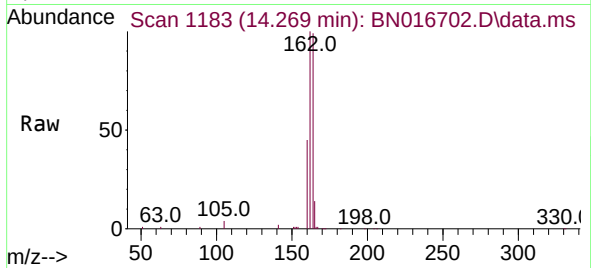




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

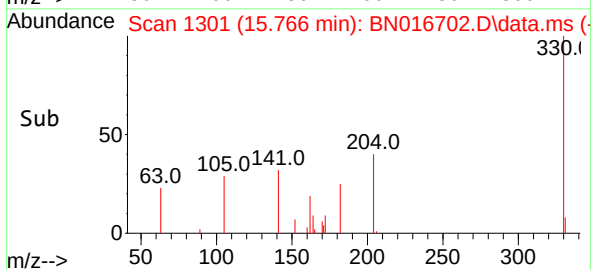
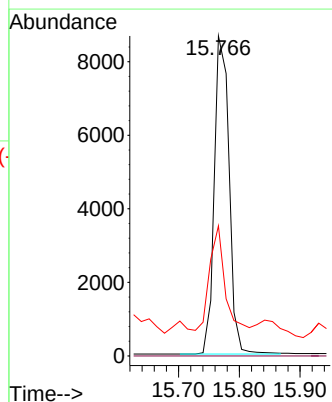
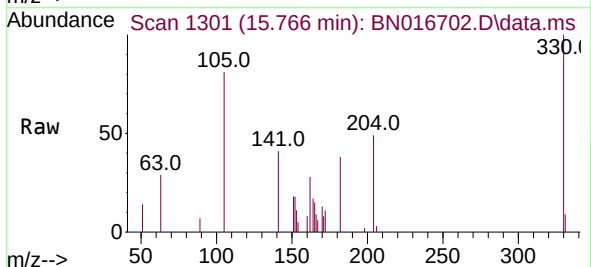
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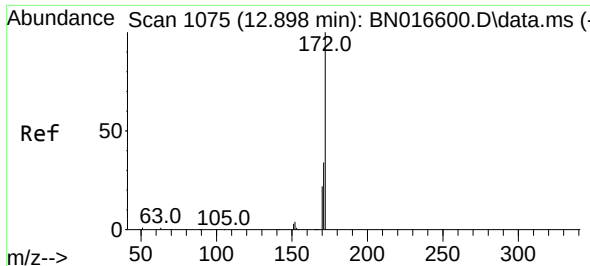
Tgt Ion:164 Resp: 71316
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.2
160 45.5 37.7 56.5



#14
2,4,6-Tribromophenol
Concen: 0.451 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:330 Resp: 14650
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.0 25.2 37.8

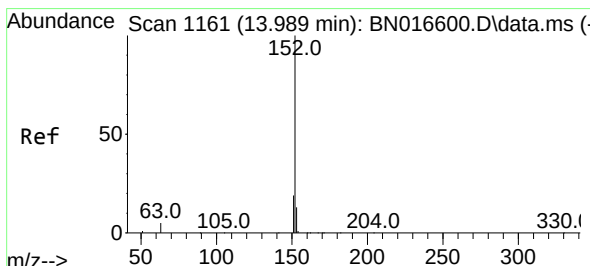
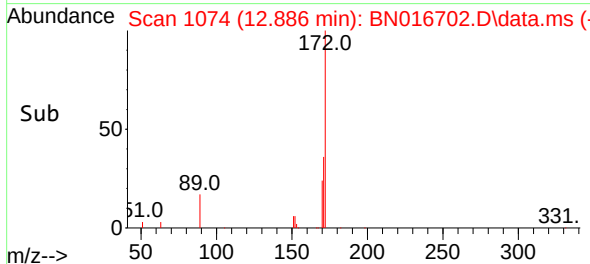
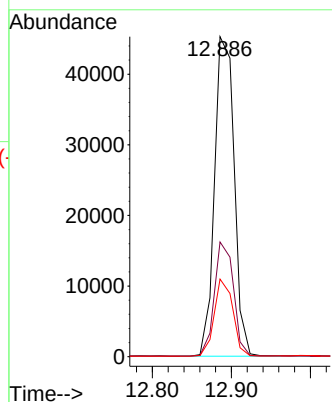
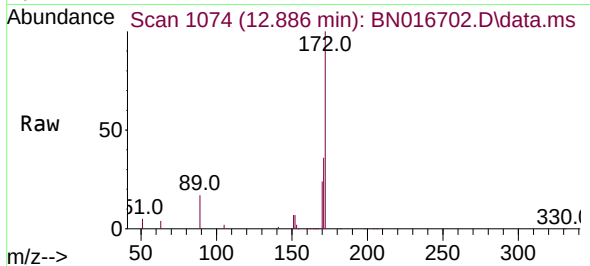




#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

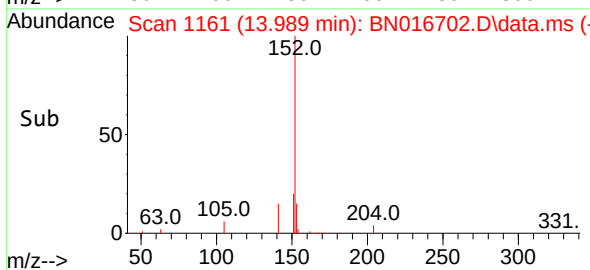
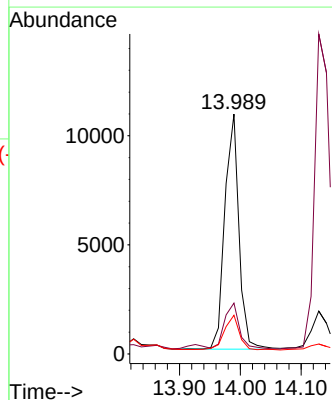
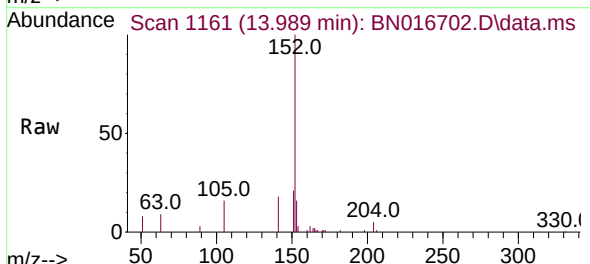
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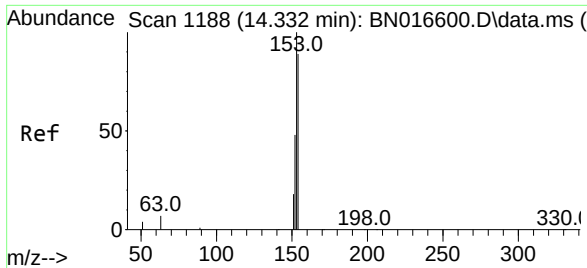
Tgt Ion:	172	Resp:	78425
Ion Ratio	Lower	Upper	
172	100		
171	35.9	27.0	40.4
170	24.2	17.4	26.2



#16
Acenaphthylene
Concen: 0.056 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:	152	Resp:	17387
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.5	23.3
153	15.6	10.4	15.6#

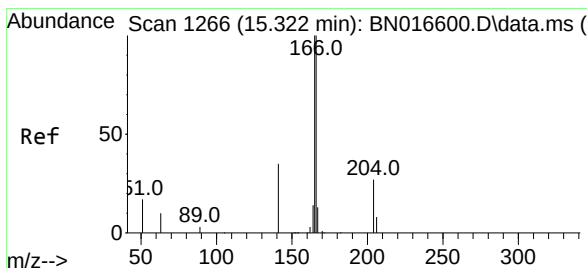
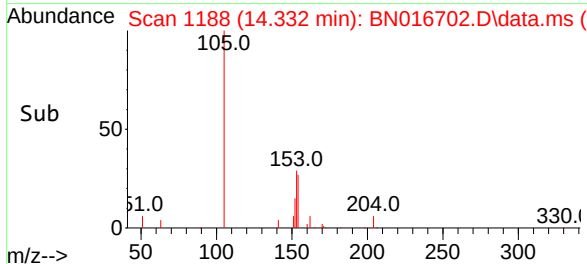
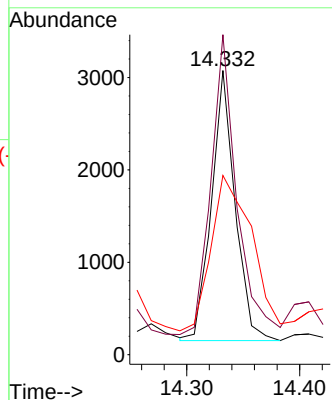
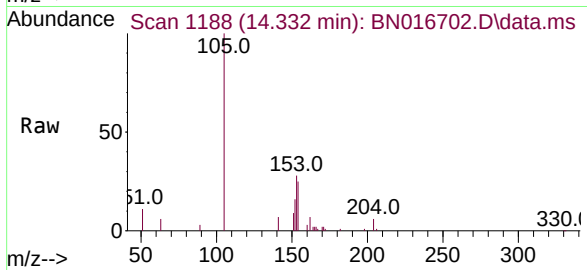




#17
Acenaphthene
Concen: 0.020 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

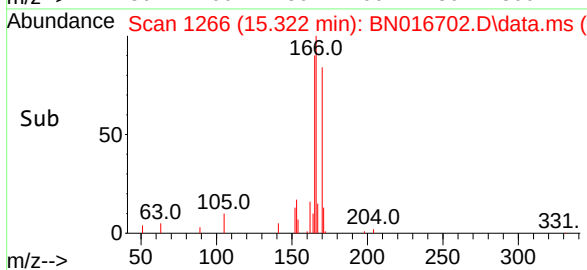
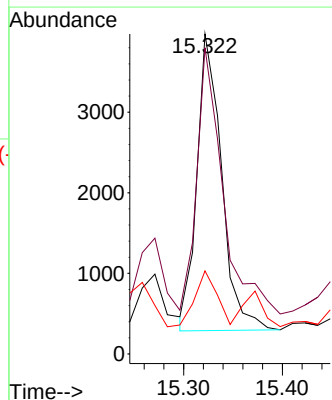
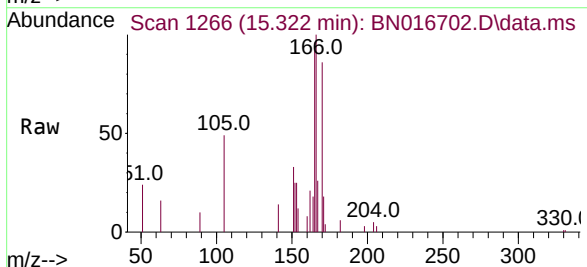
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

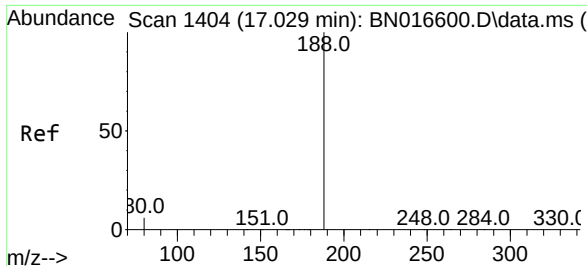
Tgt Ion:154 Resp: 4240
Ion Ratio Lower Upper
154 100
153 120.5 90.2 135.2
152 100.6 44.0 66.0#



#18
Fluorene
Concen: 0.026 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:166 Resp: 6376
Ion Ratio Lower Upper
166 100
165 95.0 77.9 116.9
167 17.0 10.7 16.1#

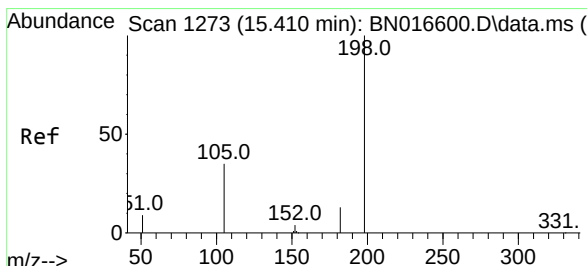
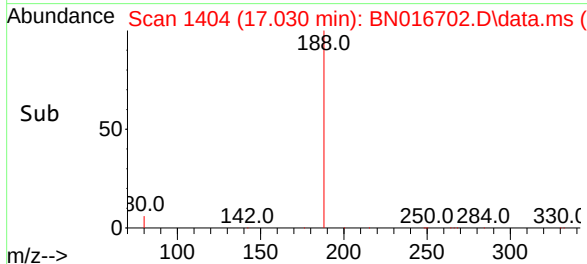
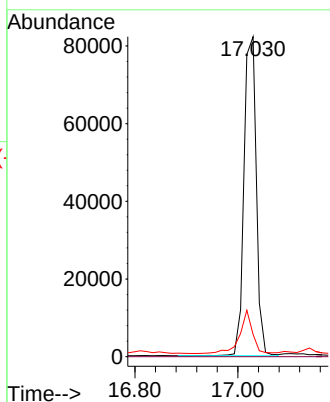
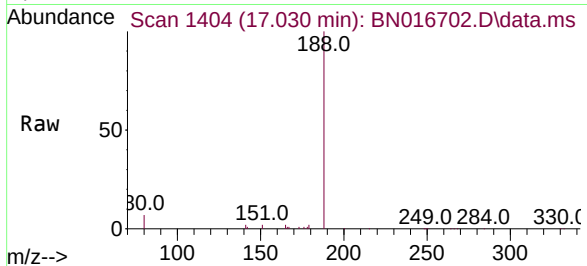




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.030 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

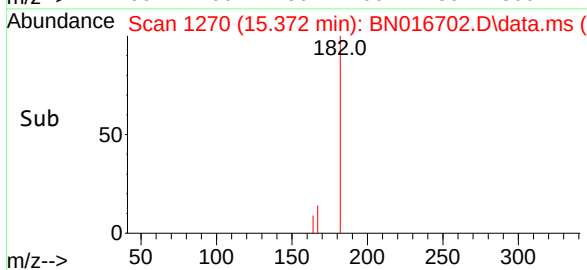
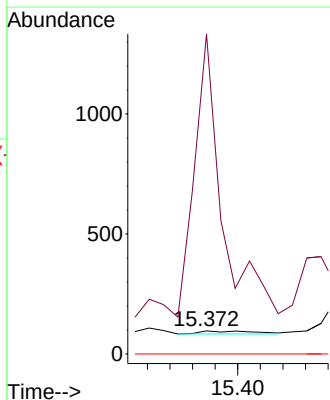
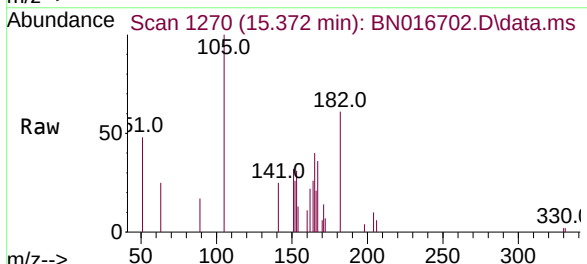
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

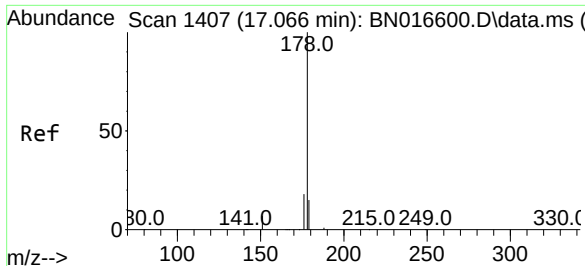
Tgt Ion:188 Resp: 137150
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.0 5.0 7.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.139 ng
RT: 15.372 min Scan# 1270
Delta R.T. -0.038 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:198 Resp: 42
Ion Ratio Lower Upper
198 100
182 1388.5 11.8 17.8#
77 0.0 0.0 0.0

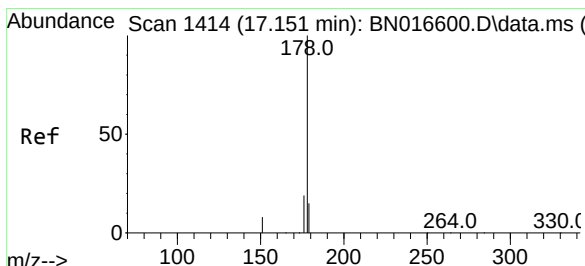
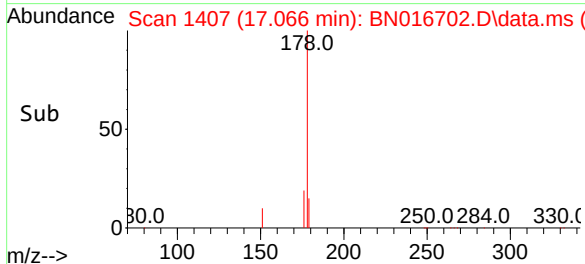
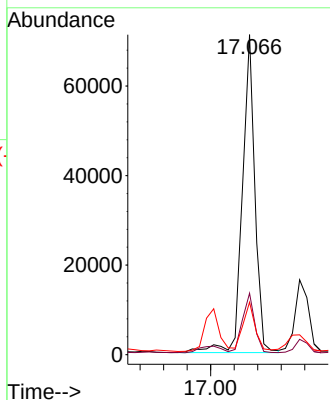
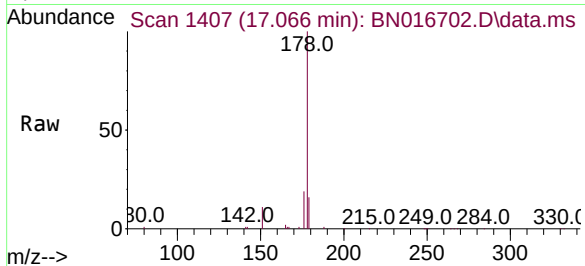




#25
Phenanthrene
Concen: 0.255 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

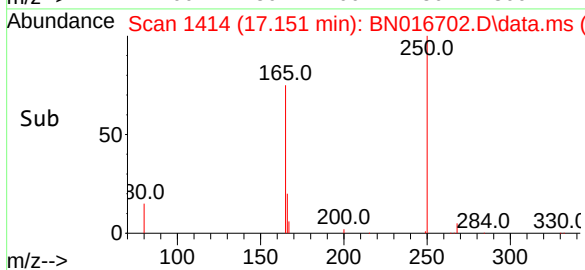
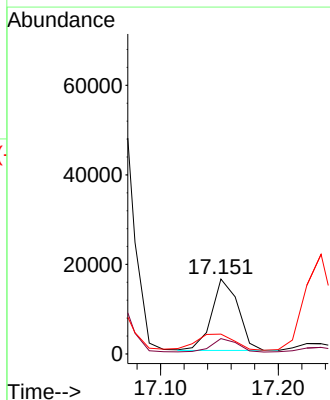
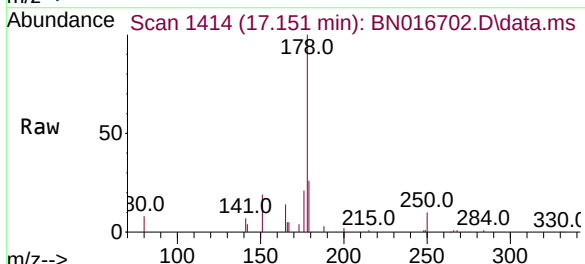
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

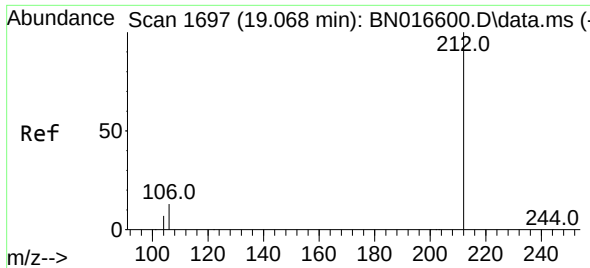
Tgt Ion:178 Resp: 105229
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 14.2 12.2 18.4



#26
Anthracene
Concen: 0.070 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:178 Resp: 24900
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 33.0 12.2 18.4#

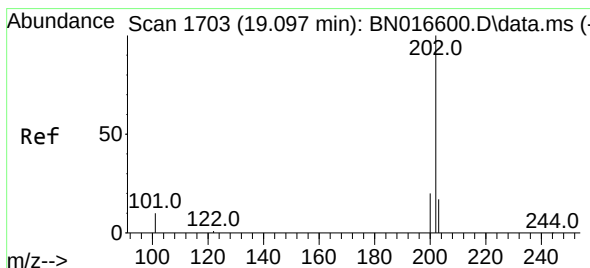
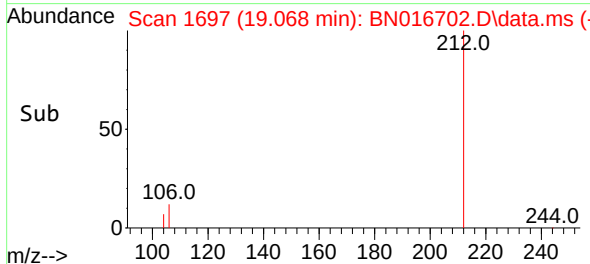
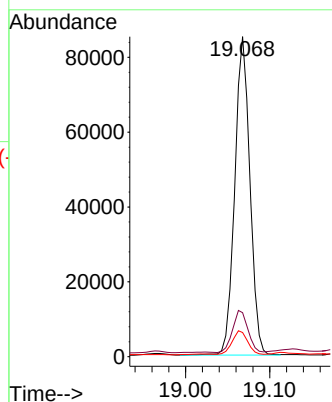
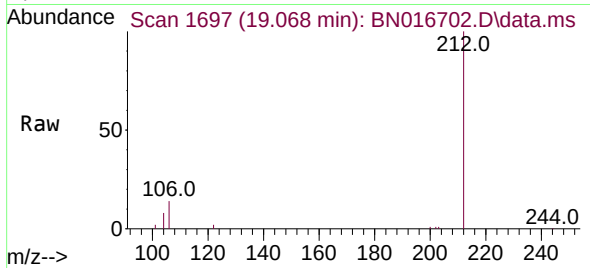




#27
Fluoranthene-d10
Concen: 0.292 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

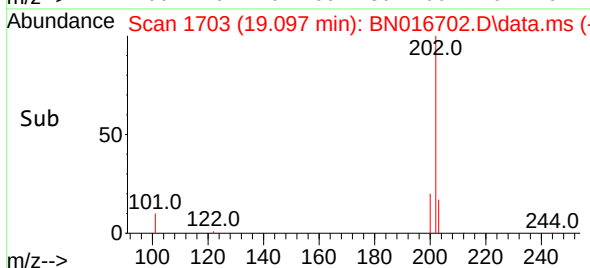
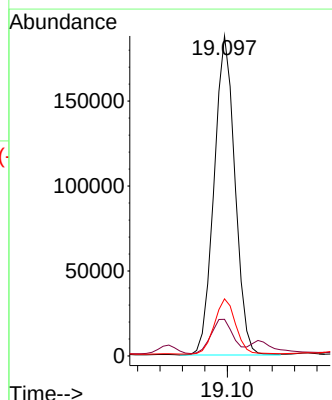
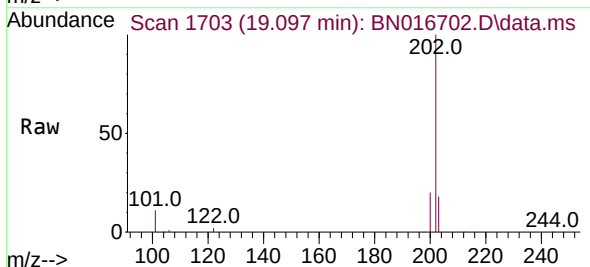
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

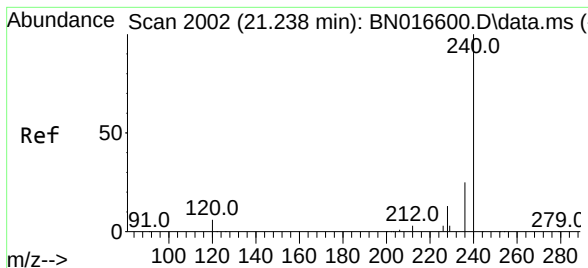
Tgt Ion:212 Resp: 106614
Ion Ratio Lower Upper
212 100
106 13.3 10.6 16.0
104 7.4 5.9 8.9



#28
Fluoranthene
Concen: 0.544 ng
RT: 19.097 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:202 Resp: 242275
Ion Ratio Lower Upper
202 100
101 11.5 9.0 13.4
203 17.7 13.8 20.6

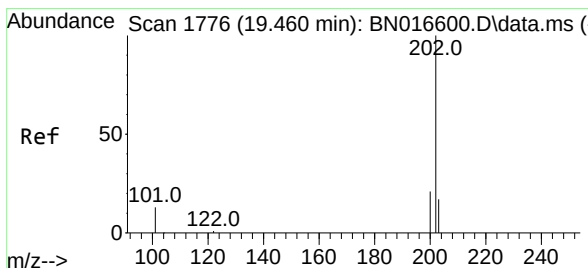
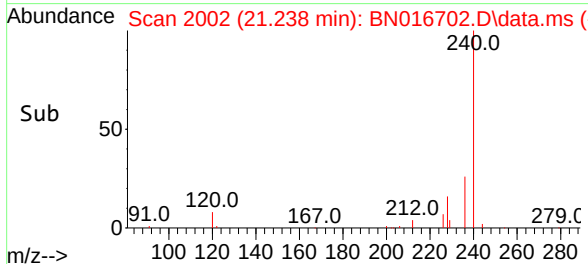
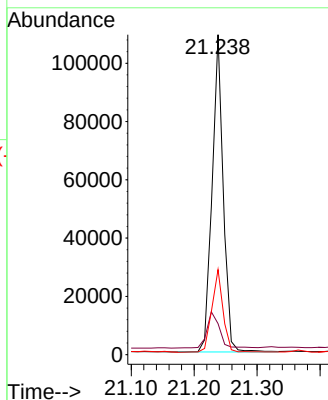
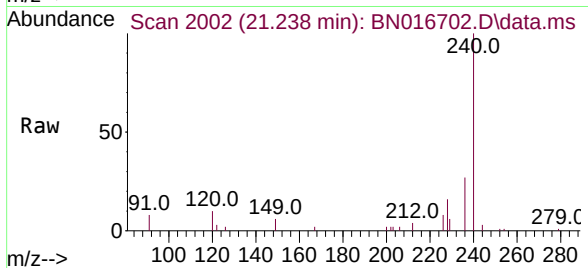




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

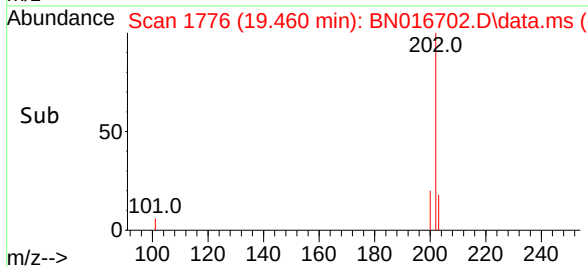
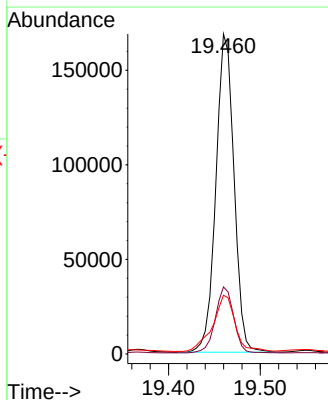
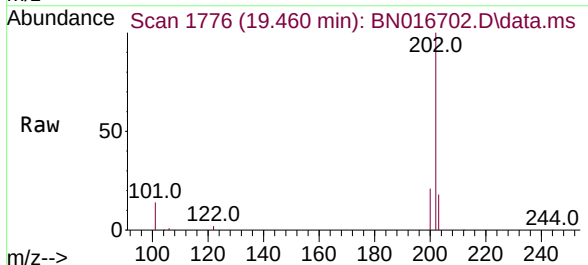
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

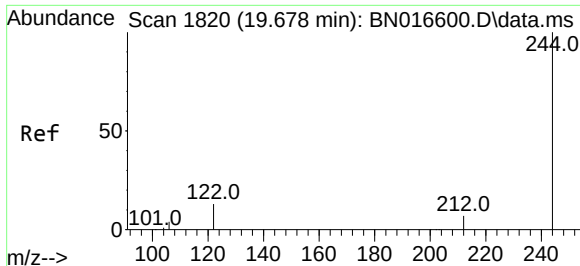
Tgt Ion:240 Resp: 133653
Ion Ratio Lower Upper
240 100
120 9.7 5.0 7.4#
236 26.6 20.4 30.6



#30
Pyrene
Concen: 0.534 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:202 Resp: 230929
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 21.6 14.0 21.0#

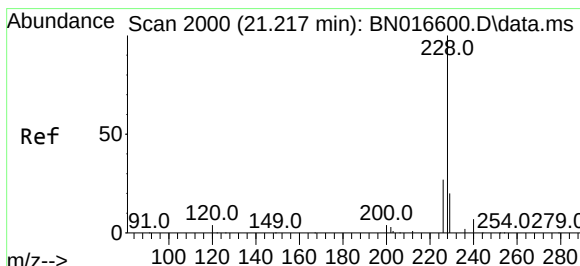
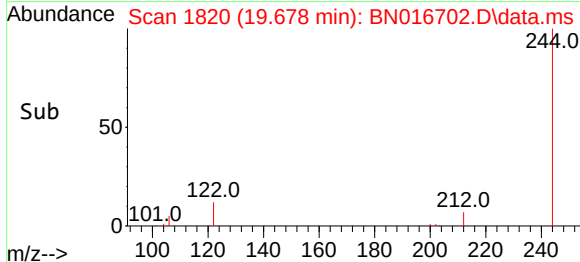
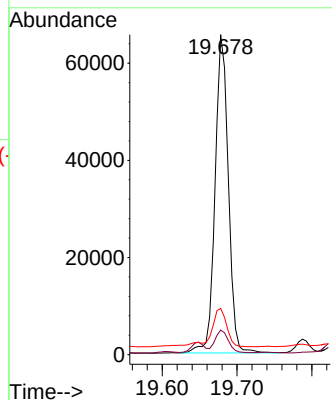
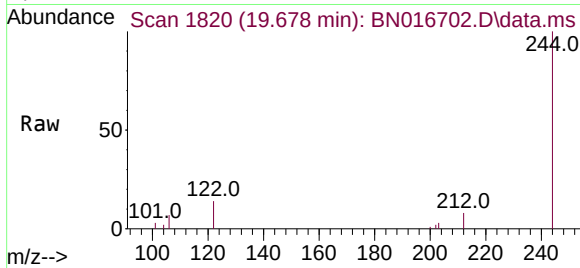




#31
 Terphenyl-d14
 Concen: 0.277 ng
 RT: 19.678 min Scan# 1820
 Delta R.T. 0.000 min
 Lab File: BN016702.D
 Acq: 03 Oct 2021 11:12

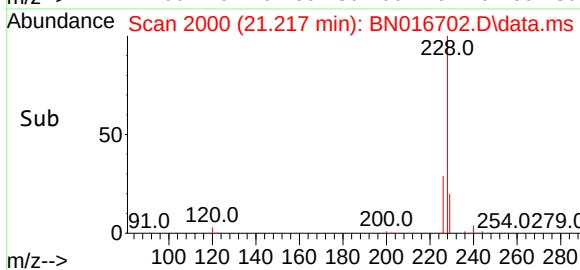
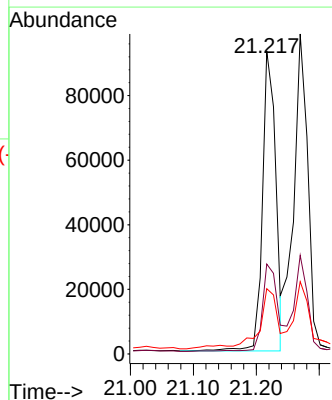
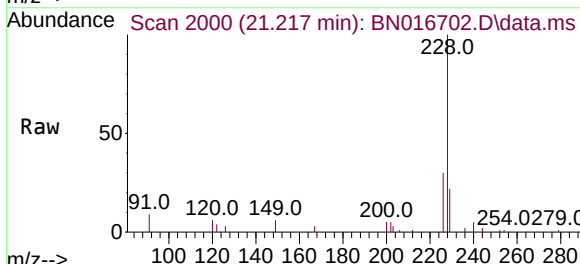
Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-1-1.5-092221

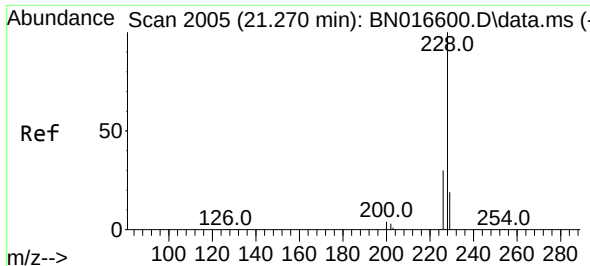
Tgt Ion:244 Resp: 80575
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 14.5 10.1 15.1



#32
 Benzo(a)anthracene
 Concen: 0.333 ng
 RT: 21.217 min Scan# 2000
 Delta R.T. 0.000 min
 Lab File: BN016702.D
 Acq: 03 Oct 2021 11:12

Tgt Ion:228 Resp: 136403
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.9 32.9
 229 21.5 15.7 23.5

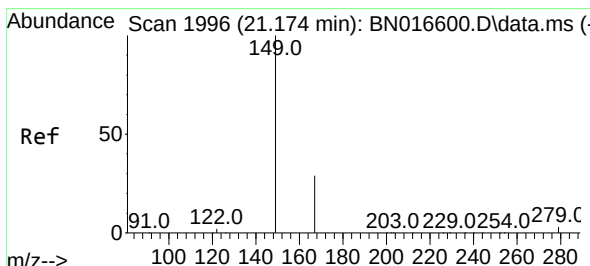
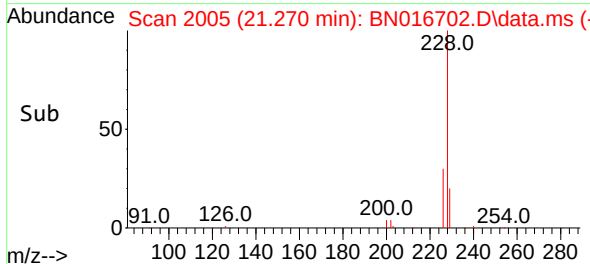
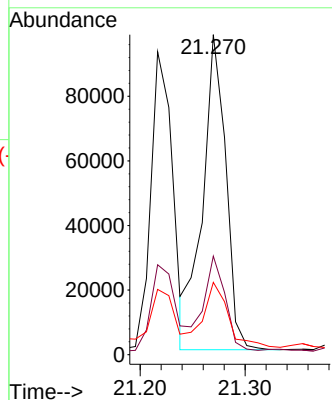
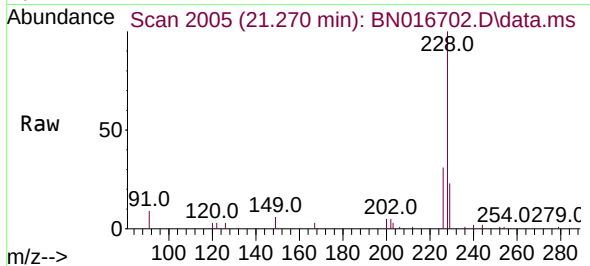




#33
Chrysene
Concen: 0.361 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

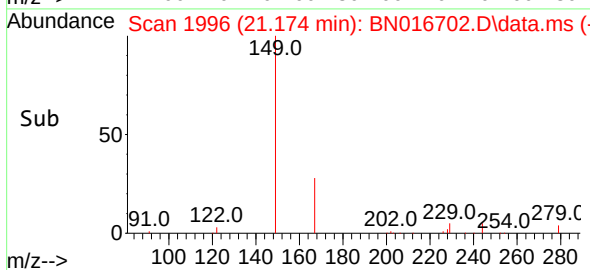
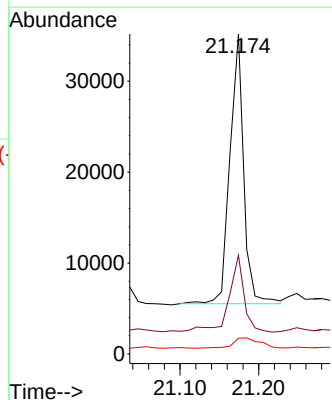
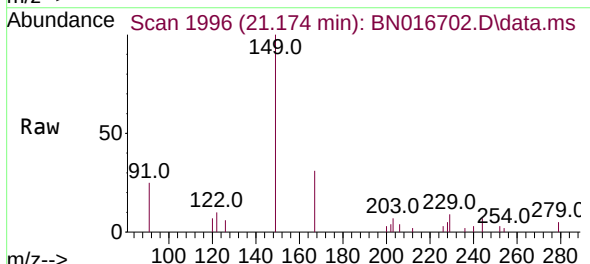
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

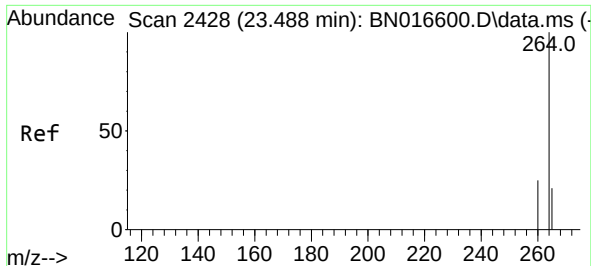
Tgt Ion:	228	Resp:	150061
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.7	35.5
229	22.6	15.5	23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.221 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:	149	Resp:	36122
Ion Ratio	Lower	Upper	
149	100		
167	31.2	22.2	33.4
279	7.3	3.2	4.8





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.495 min Scan# 2430

Delta R.T. 0.007 min

Lab File: BN016702.D

Acq: 03 Oct 2021 11:12

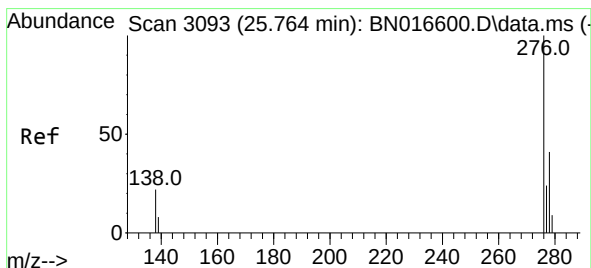
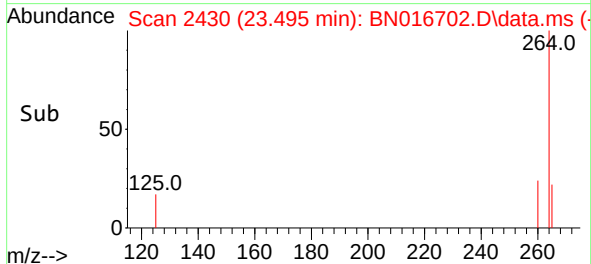
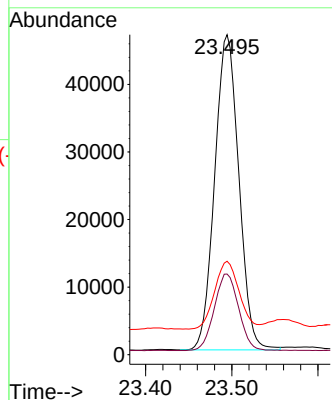
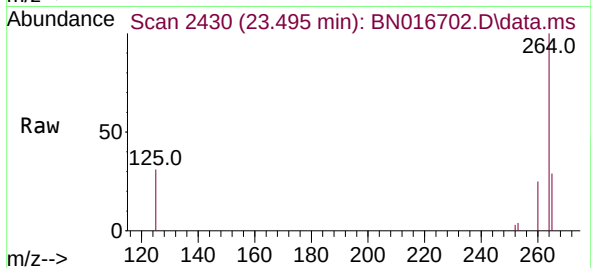
Instrument :

BNA_N

ClientSampleId :

S-826-N-SO-1-1.5-092221

Tgt Ion:264	Resp:	90683
Ion Ratio	Lower	Upper
264	100	
260	25.2	19.9 29.9
265	29.2	19.2 28.8#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.117 ng

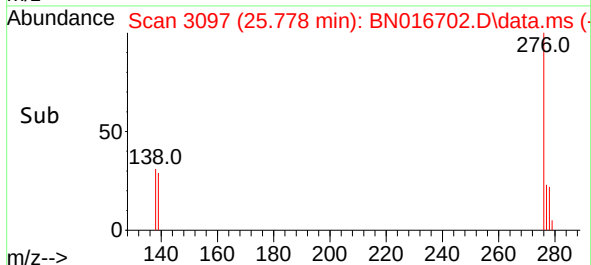
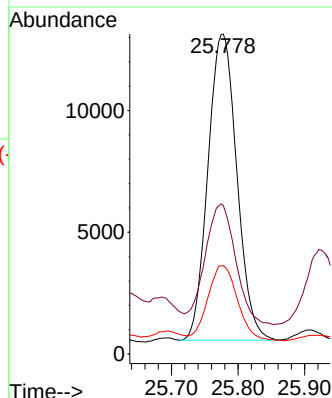
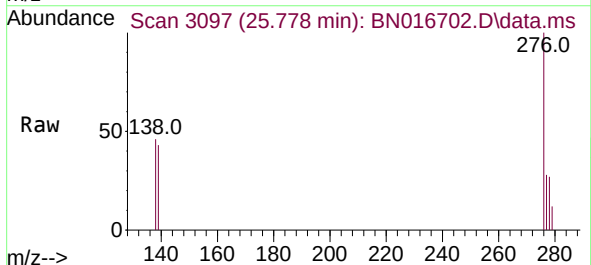
RT: 25.778 min Scan# 3097

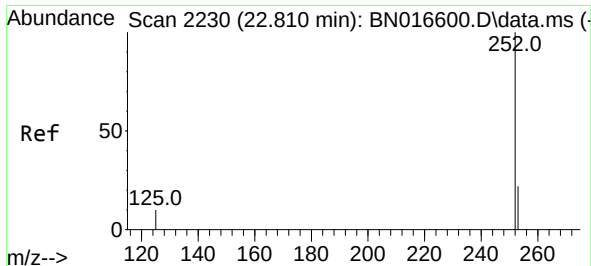
Delta R.T. 0.014 min

Lab File: BN016702.D

Acq: 03 Oct 2021 11:12

Tgt Ion:276	Resp:	37940
Ion Ratio	Lower	Upper
276	100	
138	41.8	19.5 29.3#
277	25.4	19.9 29.9

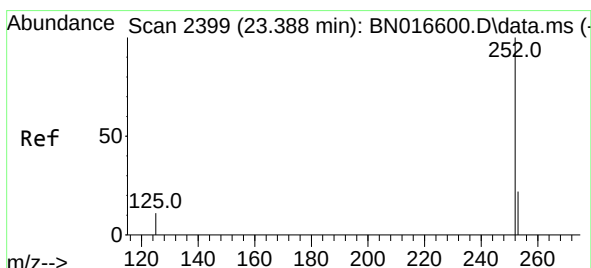
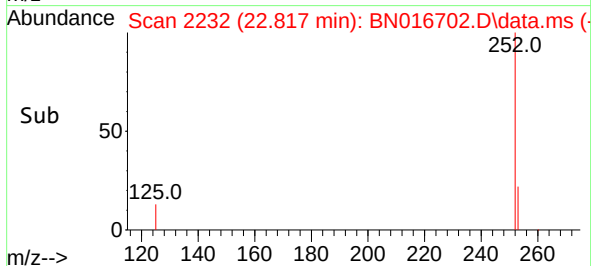
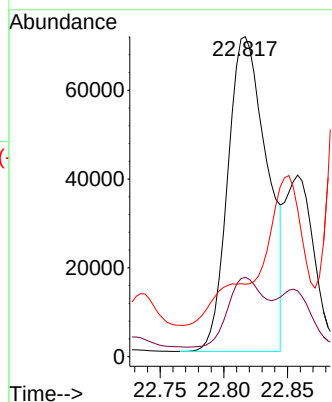
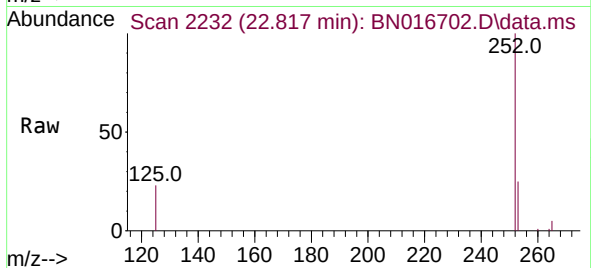




#37
Benzo(b)fluoranthene
Concen: 0.522 ng
RT: 22.817 min Scan# 2232
Delta R.T. 0.007 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

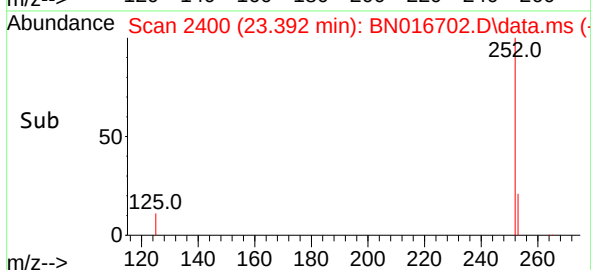
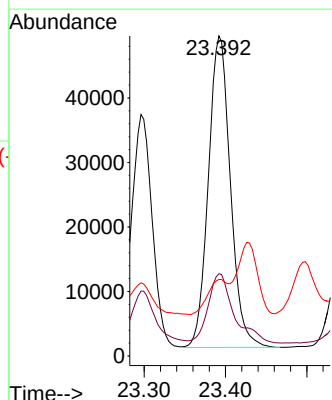
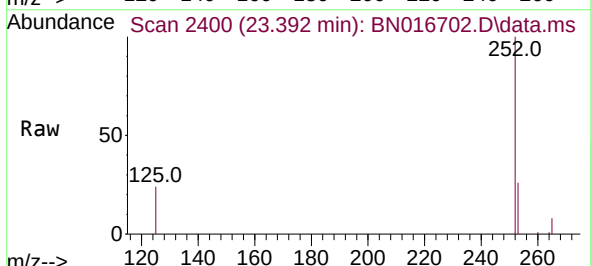
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

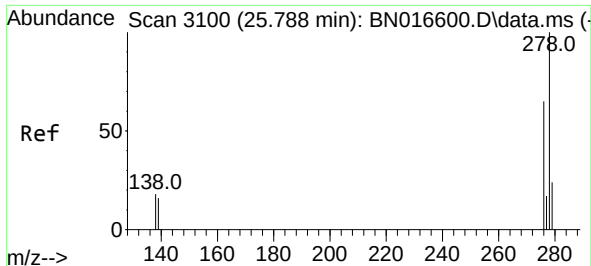
Tgt Ion:252 Resp: 152145
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 22.7 8.0 12.0#



#39
Benzo(a)pyrene
Concen: 0.350 ng
RT: 23.392 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:252 Resp: 90884
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 23.9 9.0 13.4#

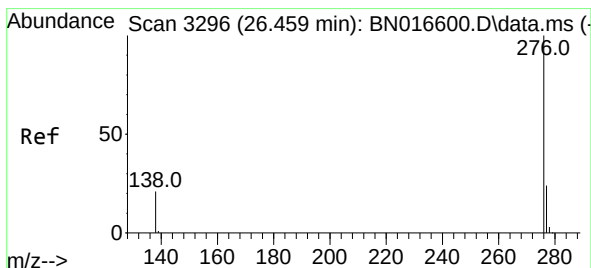
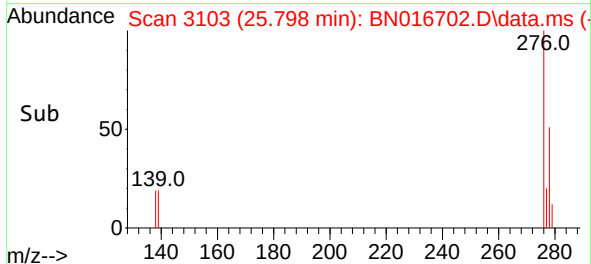
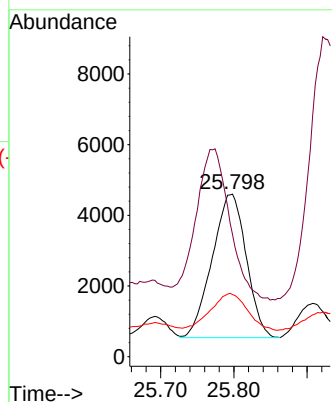
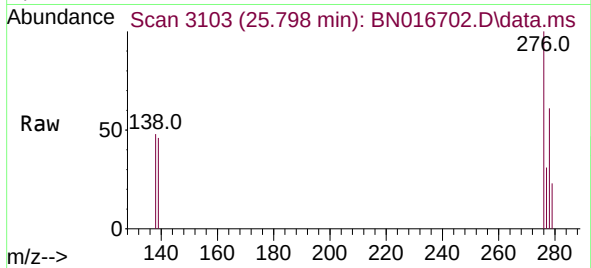




#40
Dibenzo(a,h)anthracene
Concen: 0.050 ng
RT: 25.798 min Scan# 3103
Delta R.T. 0.010 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

Tgt Ion:278 Resp: 13129
Ion Ratio Lower Upper
278 100
139 75.2 13.1 19.7#
279 38.2 19.1 28.7#



#41
Benzo(g,h,i)perylene
Concen: 0.109 ng
RT: 26.476 min Scan# 3301
Delta R.T. 0.017 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:276 Resp: 31061
Ion Ratio Lower Upper
276 100
277 27.4 19.0 28.6
138 37.2 16.9 25.3#

