

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092021\
 Data File : BN016369.D
 Acq On : 21 Sep 2021 07:20
 Operator : CG/JU
 Sample : M3798-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 NAPL-07-(8-10)-END-POINT

Quant Time: Sep 21 07:51:39 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 20 11:09:23 2021
 Response via : Initial Calibration

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

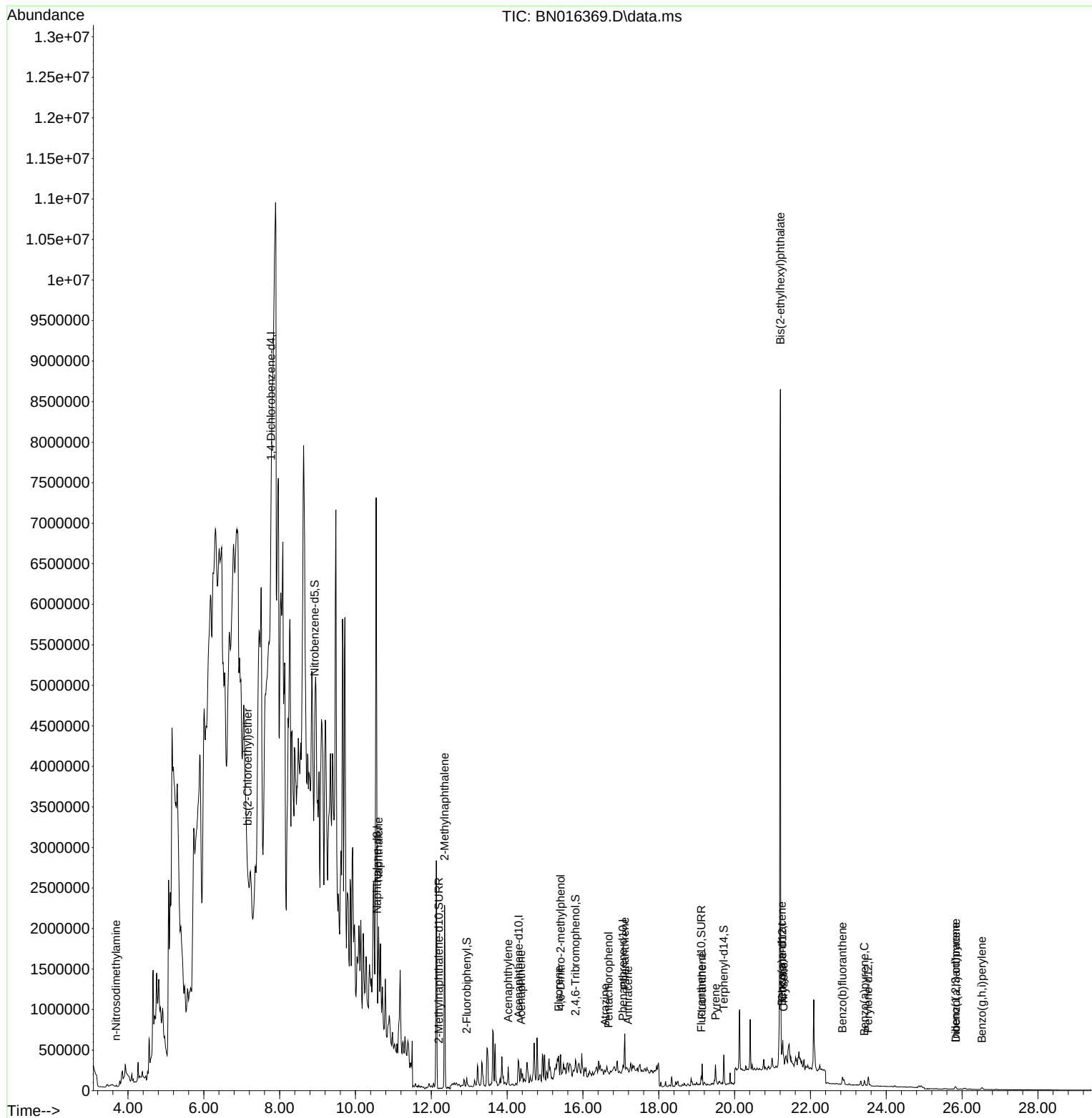
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	139344	0.400	ng	# 0.08
7) Naphthalene-d8	10.571	136	10118	0.400	ng	# 0.11
13) Acenaphthene-d10	14.307	164	68975	0.400	ng	0.00
19) Phenanthrene-d10	17.054	188	130189	0.400	ng	# 0.00
29) Chrysene-d12	21.259	240	145038	0.400	ng	# 0.00
35) Perylene-d12	23.526	264	145086	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ng	
5) Phenol-d6	0.000	99	0	0.000	ng	
8) Nitrobenzene-d5	8.924	82	1497294	249.053	ng	0.10
11) 2-Methylnaphthalene-d10	12.198	152	3160	0.198	ng	0.15
14) 2,4,6-Tribromophenol	15.804	330	21059	1.040	ng	0.00
15) 2-Fluorobiphenyl	12.937	172	90694	0.336	ng	0.00
27) Fluoranthene-d10	19.118	212	113649	0.302	ng	0.02
31) Terphenyl-d14	19.713	244	233453	0.695	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.687	42	3097	0.023	ng	# 1
6) bis(2-Chloroethyl)ether	7.154	93	267047	0.707	ng	# 1
9) Naphthalene	10.609	128	186359	6.836	ng	# 1
12) 2-Methylnaphthalene	12.350	142	1598905	88.477	ng	95
16) Acenaphthylene	14.028	152	33158	0.103	ng	# 1
17) Acenaphthene	14.370	154	34584	0.174	ng	# 23
18) Fluorene	15.360	166	114303	0.463	ng	# 92
20) 4,6-Dinitro-2-methylph...	15.411	198	2364	0.491	ng	# 1
23) Atrazine	16.579	200	4448	0.064	ng	# 1
24) Pentachlorophenol	16.677	266	661	0.027	ng	# 18
25) Phenanthrene	17.103	178	468240	1.273	ng	# 93
26) Anthracene	17.188	178	33289	0.093	ng	# 75
28) Fluoranthene	19.142	202	223392	0.527	ng	99
30) Pyrene	19.495	202	229228	0.500	ng	# 89
32) Benzo(a)anthracene	21.249	228	118532	0.254	ng	# 79
33) Chrysene	21.291	228	109205	0.242	ng	# 76
34) Bis(2-ethylhexyl)phtha...	21.206	149	9157900	36.441	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.826	276	51192	0.109	ng	99
37) Benzo(b)fluoranthene	22.844	252	140369	0.305	ng	# 17
39) Benzo(a)pyrene	23.423	252	89110	0.214	ng	# 23
40) Dibenzo(a,h)anthracene	25.833	278	14999	0.038	ng	# 1
41) Benzo(g,h,i)perylene	26.524	276	47325	0.120	ng	# 77

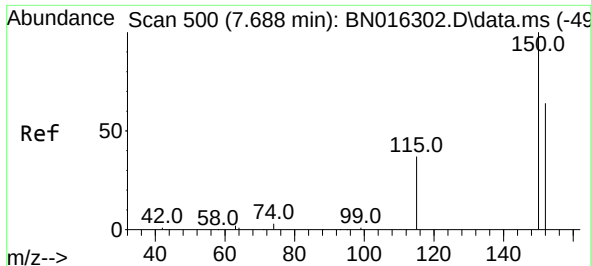
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 20 11:09:23 2021
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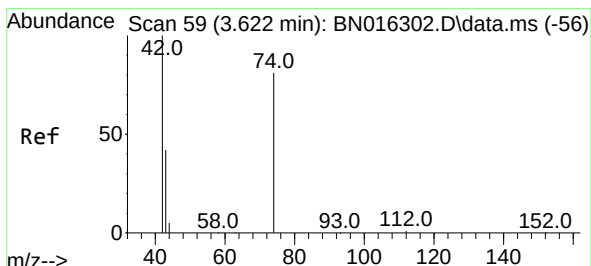
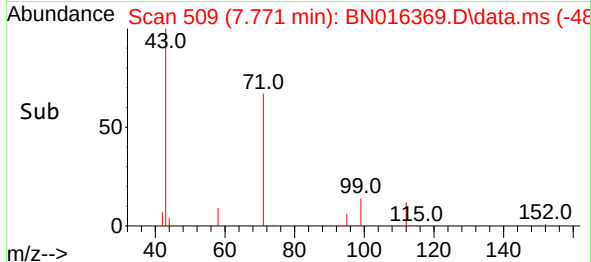
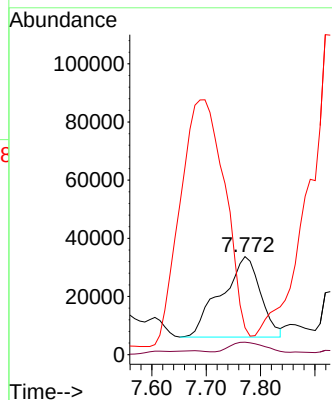
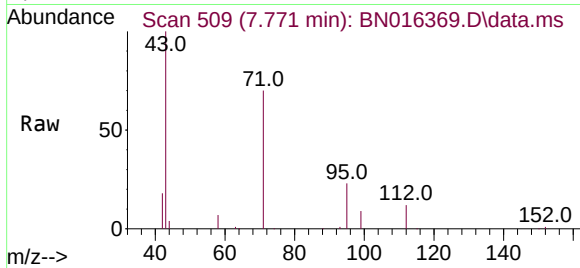




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.771 min Scan# 509
 Delta R.T. 0.083 min
 Lab File: BN016369.D
 Acq: 21 Sep 2021 07:20

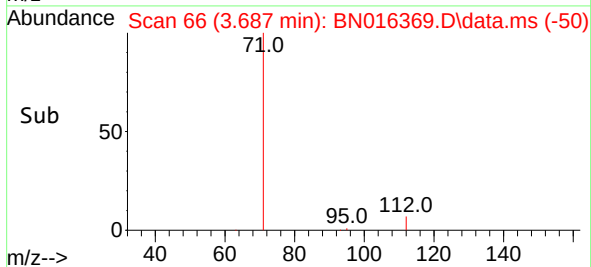
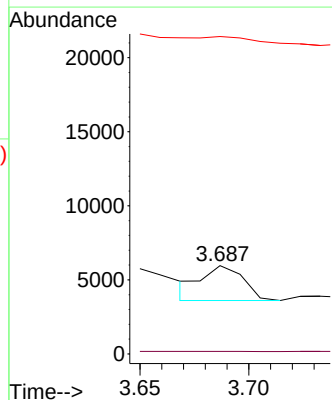
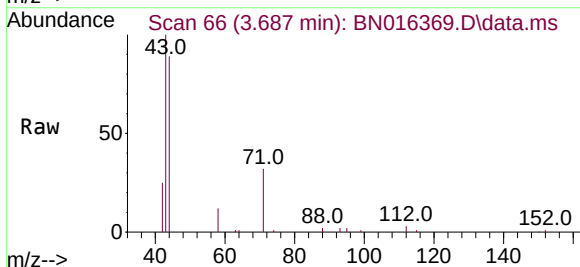
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 ClientSampleId :
 NAPL-07-(8-10)-END-POINT

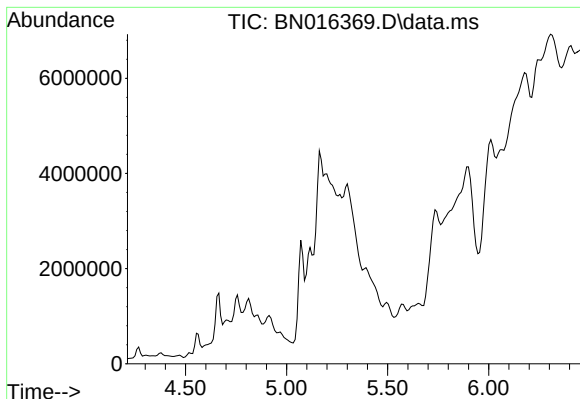
Tgt Ion:152 Resp: 139344
 Ion Ratio Lower Upper
 152 100
 150 12.7 125.6 188.4#
 115 27.6 50.2 75.2#



#3
 n-Nitrosodimethylamine
 Concen: 0.023 ng
 RT: 3.687 min Scan# 66
 Delta R.T. 0.046 min
 Lab File: BN016369.D
 Acq: 21 Sep 2021 07:20

Tgt Ion: 42 Resp: 3097
 Ion Ratio Lower Upper
 42 100
 74 0.0 113.6 170.4#
 44 0.0 0.0 0.0





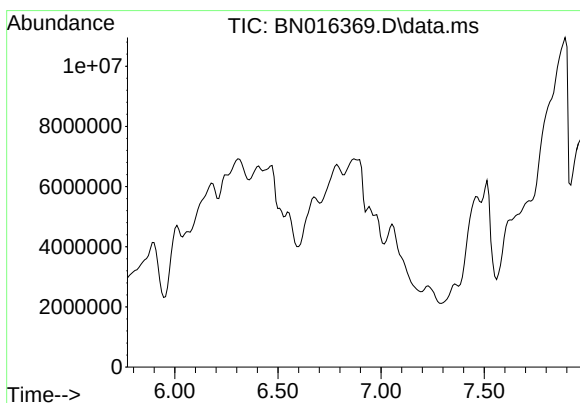
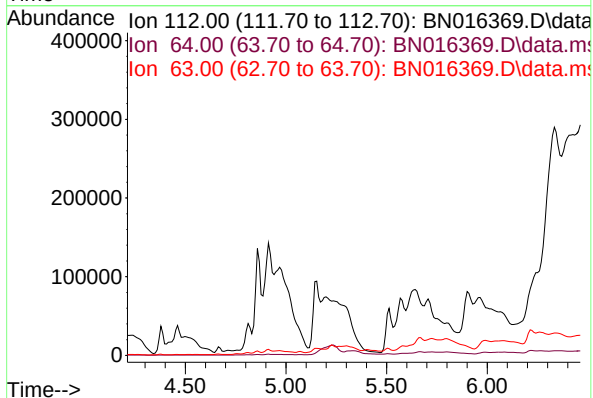
#4
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.31 min

 Lab File: BN016369.D
 Acq: 21 Sep 2021 07:20

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.1
63	29.2

Instrument :
 BNA_N
 ClientSampleId :
 NAPL-07-(8-10)-END-POINT

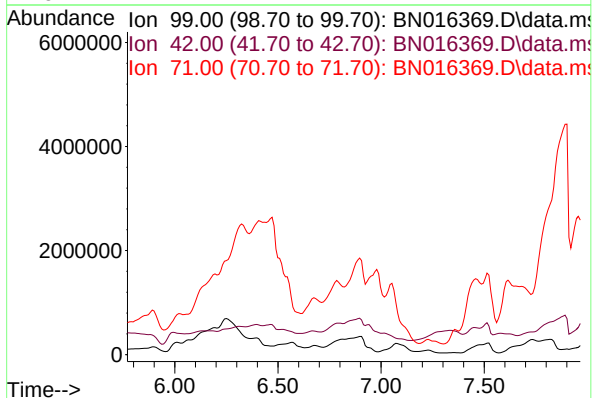


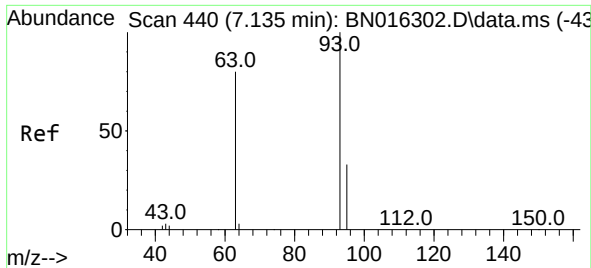
#5
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.87 min

 Lab File: BN016369.D
 Acq: 21 Sep 2021 07:20

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.5
71	29.7

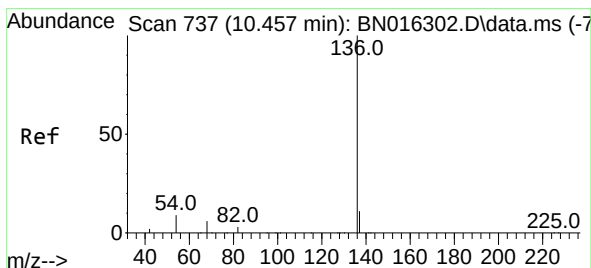
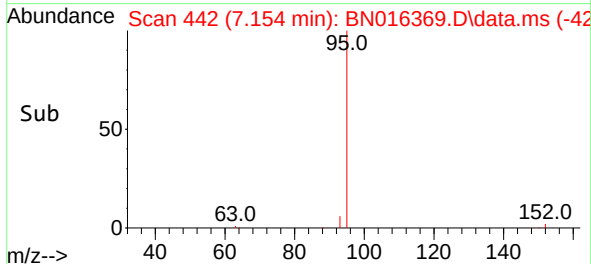
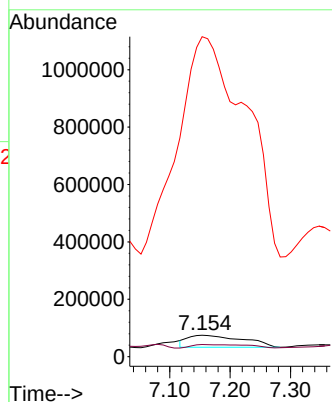
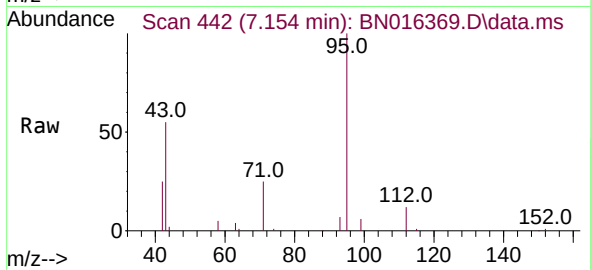




#6
bis(2-Chloroethyl)ether
Concen: 0.707 ng
RT: 7.154 min Scan# 442
Delta R.T. 0.028 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

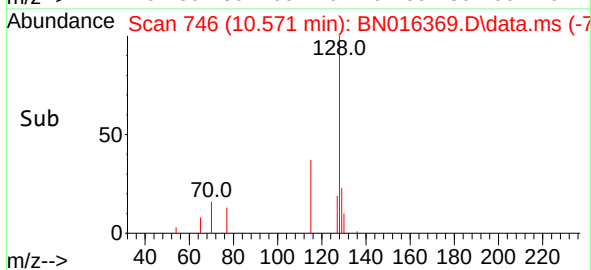
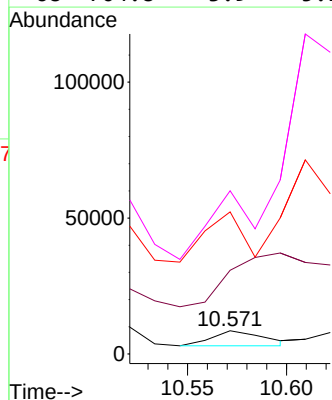
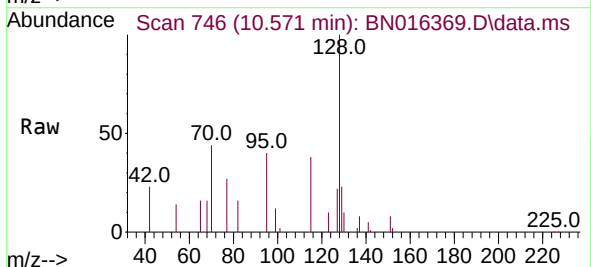
Instrument :
BNA_N
ClientSampleId :
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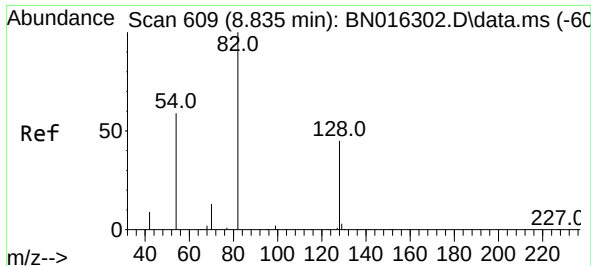
Tgt Ion: 93 Resp: 267047
Ion Ratio Lower Upper
93 100
63 29.7 63.4 95.0#
95 1884.5 26.8 40.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.571 min Scan# 746
Delta R.T. 0.114 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion: 136 Resp: 10118
Ion Ratio Lower Upper
136 100
137 361.3 8.8 13.2#
54 613.6 5.3 7.9#
68 704.8 3.9 5.9#

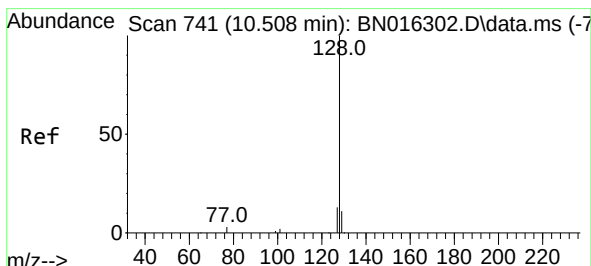
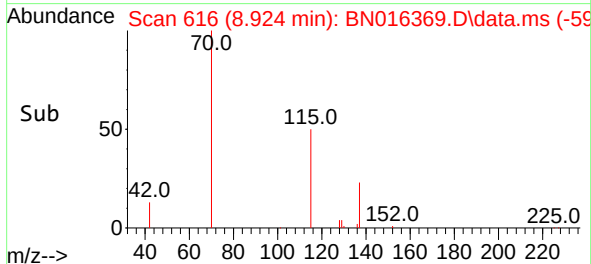
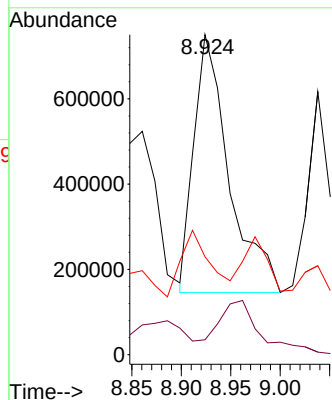
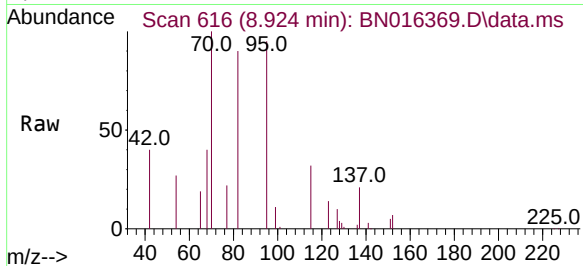




#8
Nitrobenzene-d5
Concen: 249.053 ng
RT: 8.924 min Scan# 616
Delta R.T. 0.102 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

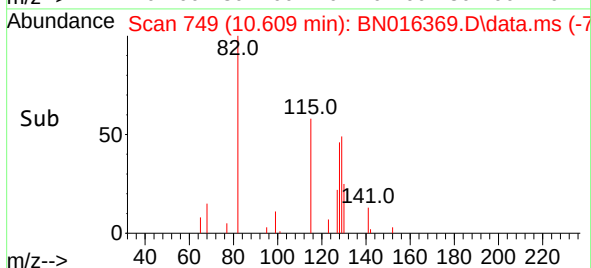
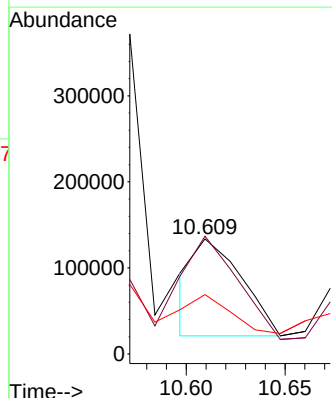
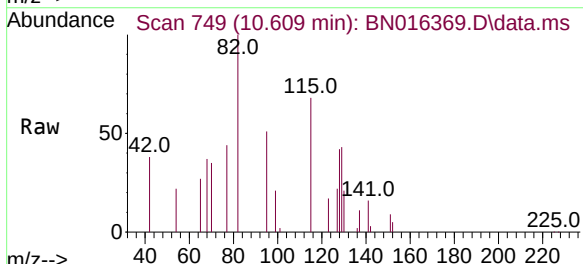
Instrument :
BNA_N
ClientSampleId :
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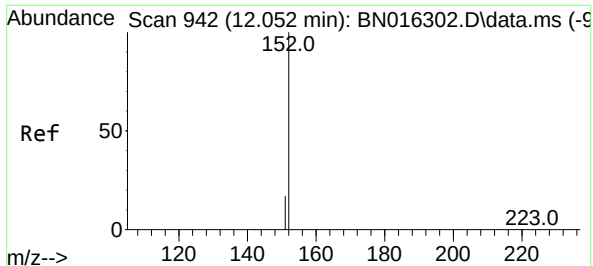
Tgt Ion: 82 Resp: 1497294
Ion Ratio Lower Upper
82 100
128 4.6 31.7 47.5#
54 30.6 46.4 69.6#



#9
Naphthalene
Concen: 6.836 ng
RT: 10.609 min Scan# 749
Delta R.T. 0.114 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion: 128 Resp: 186359
Ion Ratio Lower Upper
128 100
129 102.4 8.9 13.3#
127 51.6 10.1 15.1#

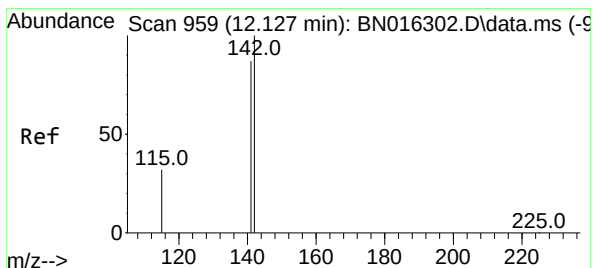
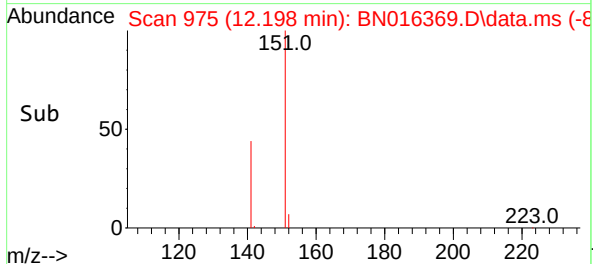
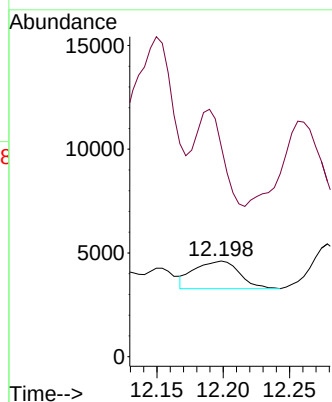
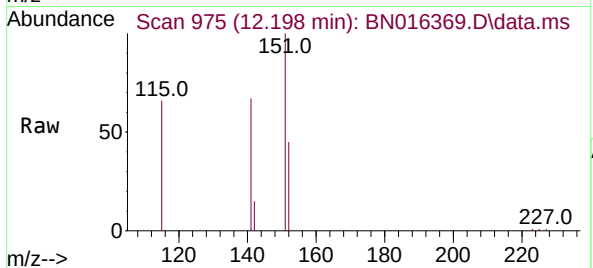




#11
2-Methylnaphthalene-d10
Concen: 0.198 ng
RT: 12.198 min Scan# 975
Delta R.T. 0.152 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

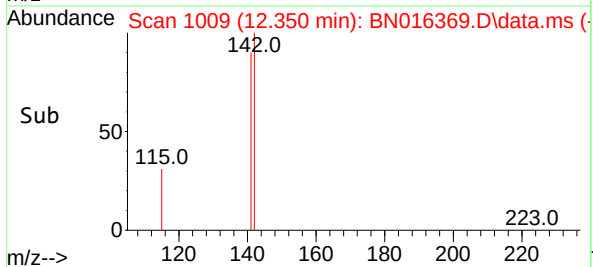
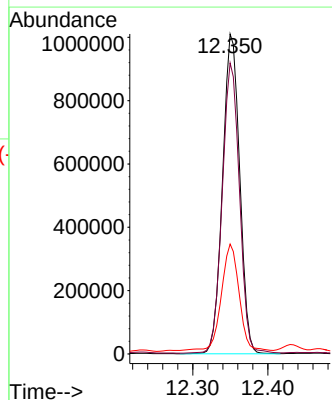
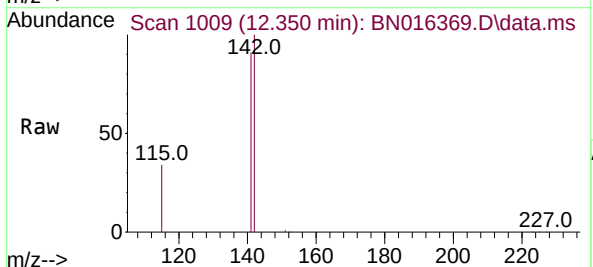
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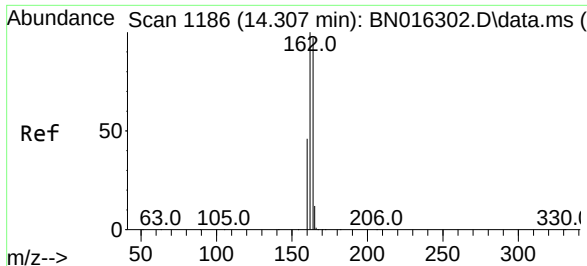
Tgt Ion:152 Resp: 3160
Ion Ratio Lower Upper
152 100
151 211.6 16.1 24.1#



#12
2-Methylnaphthalene
Concen: 88.477 ng
RT: 12.350 min Scan# 1009
Delta R.T. 0.232 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:142 Resp: 1598905
Ion Ratio Lower Upper
142 100
141 91.0 69.8 104.8
115 34.4 24.4 36.6

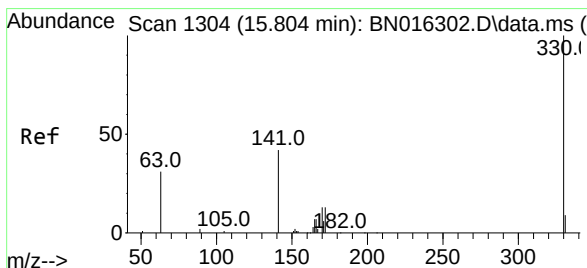
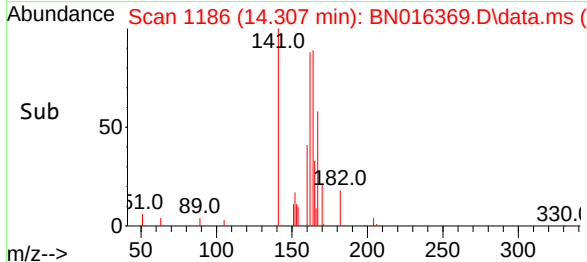
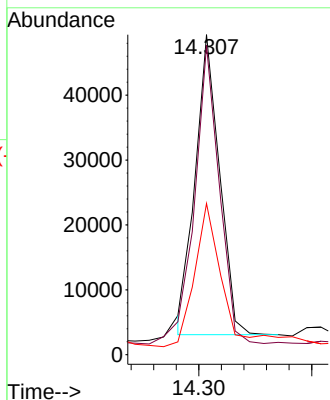
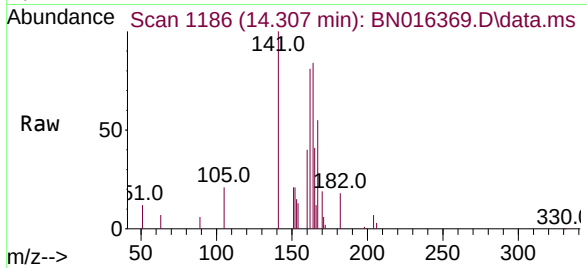




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

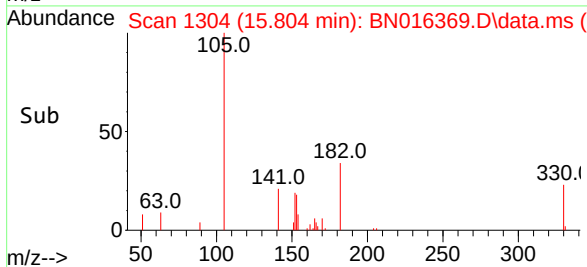
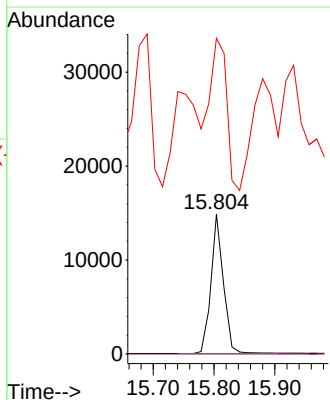
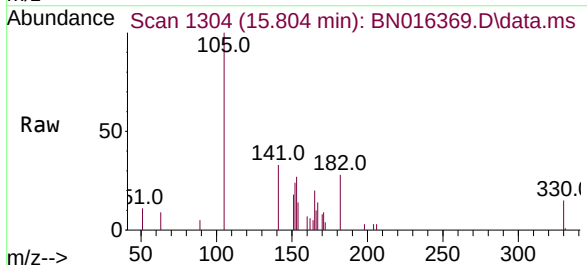
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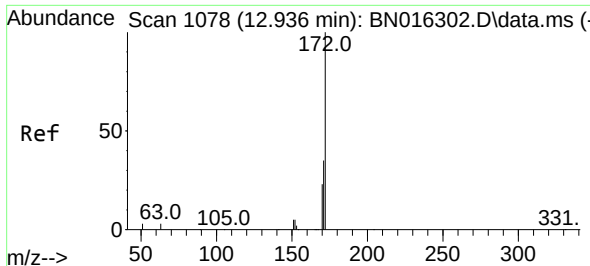
Tgt Ion:164 Resp: 68975
Ion Ratio Lower Upper
164 100
162 96.7 79.0 118.4
160 47.3 34.1 51.1



#14
2,4,6-Tribromophenol
Concen: 1.040 ng
RT: 15.804 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:330 Resp: 21059
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 148.6 25.0 37.4#

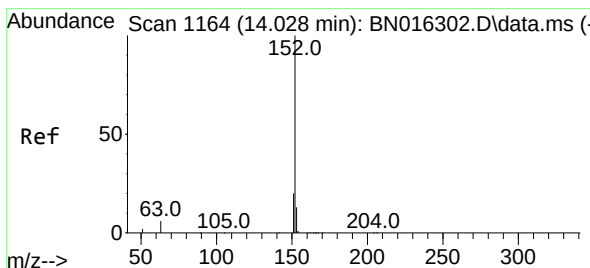
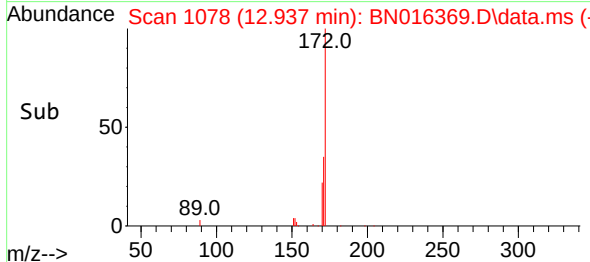
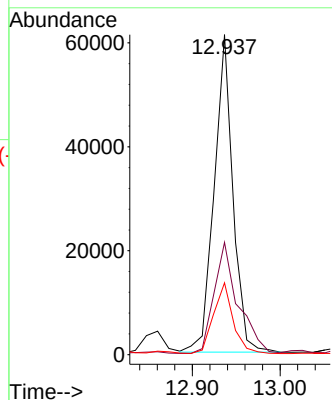
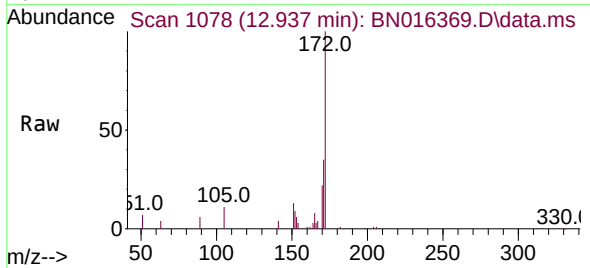




#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 12.937 min Scan# 1078
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

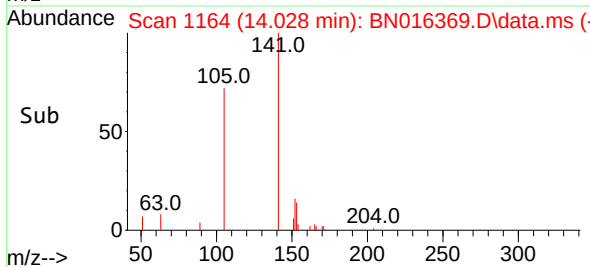
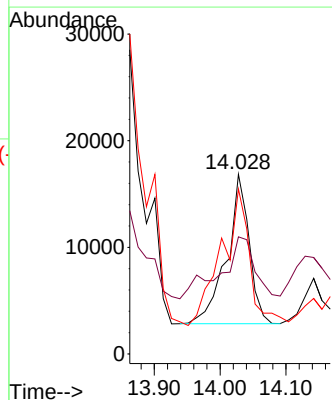
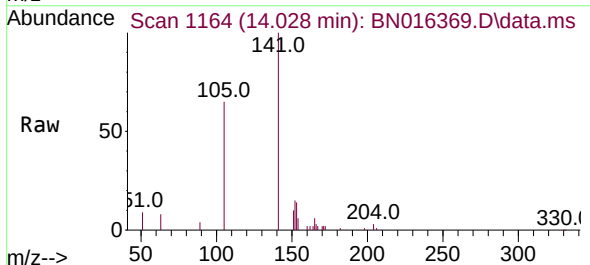
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NAPL-07-(8-10)-END-POINT

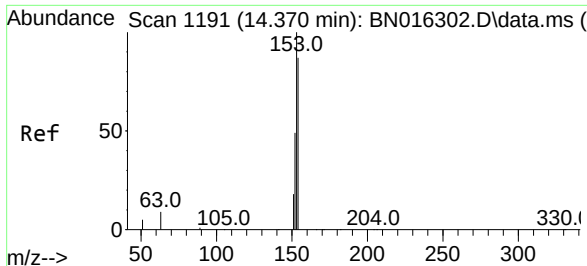
Tgt Ion:172	Resp:	90694
Ion Ratio	Lower	Upper
172	100	
171	35.1	27.8 41.6
170	22.4	18.2 27.2



#16
Acenaphthylene
Concen: 0.103 ng
RT: 14.028 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:152	Resp:	33158
Ion Ratio	Lower	Upper
152	100	
151	63.0	15.2 22.8#
153	116.1	10.5 15.7#

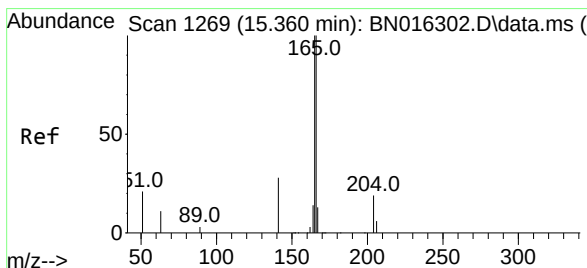
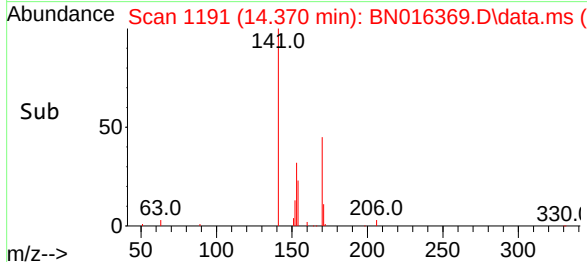
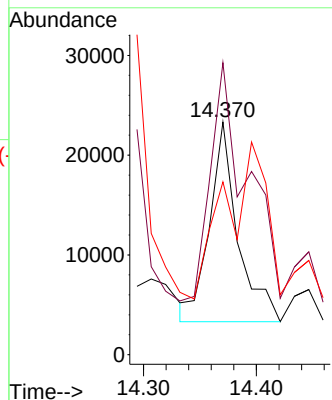
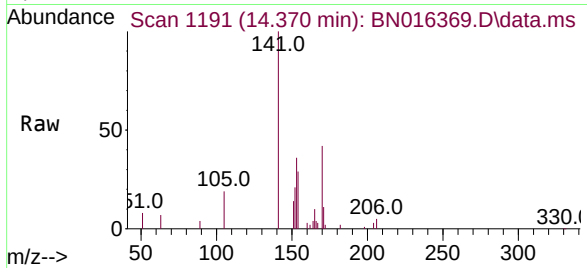




#17
Acenaphthene
Concen: 0.174 ng
RT: 14.370 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BN016369.D
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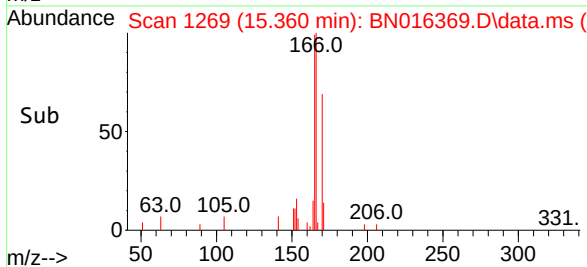
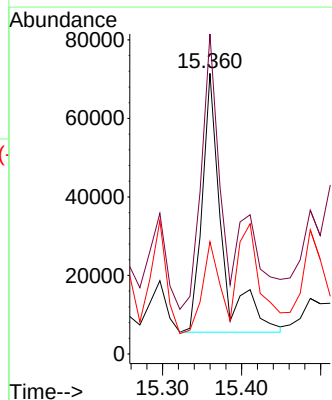
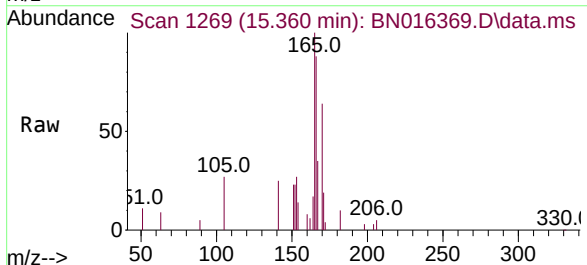
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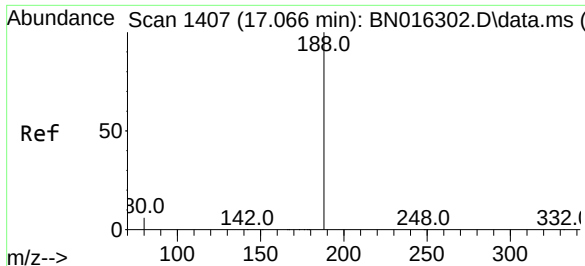
Tgt Ion:154 Resp: 34584
Ion Ratio Lower Upper
154 100
153 194.8 89.3 133.9#
152 0.0 42.2 63.4#



#18
Fluorene
Concen: 0.463 ng
RT: 15.360 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:166 Resp: 114303
Ion Ratio Lower Upper
166 100
165 93.6 76.7 115.1
167 32.0 10.9 16.3#

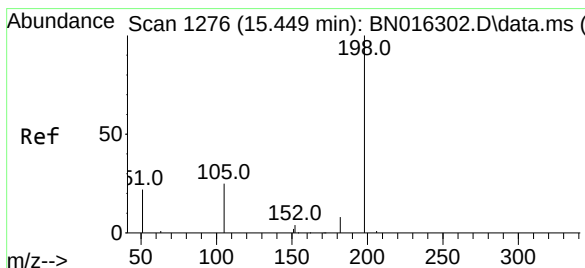
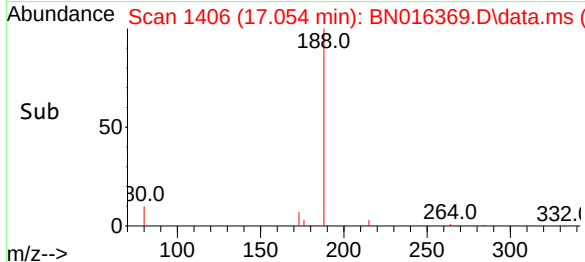
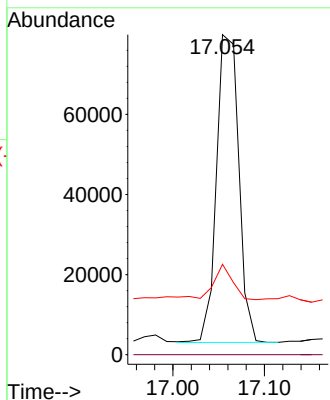
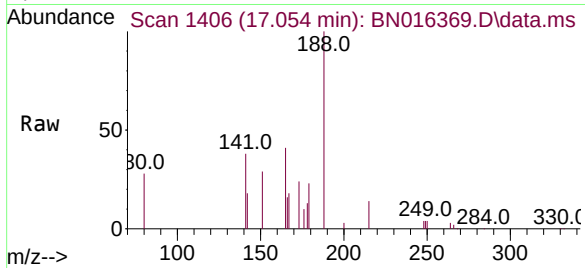




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

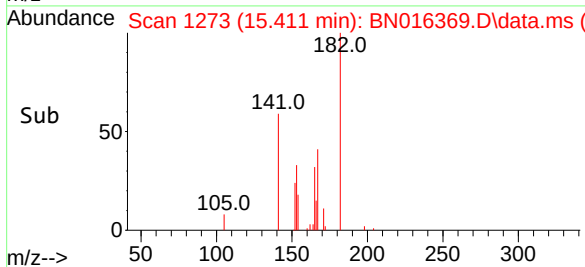
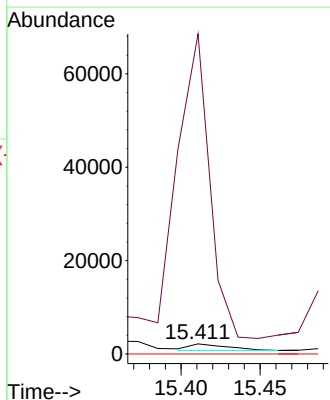
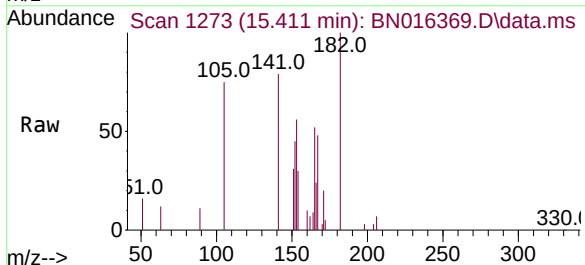
Instrument :
BNA_N
ClientSampleId :
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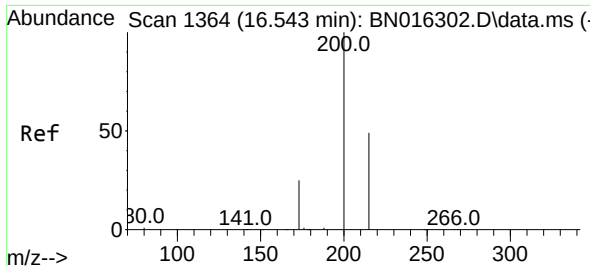
Tgt Ion:188 Resp: 130189
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 28.3 7.0 10.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.491 ng
RT: 15.411 min Scan# 1273
Delta R.T. -0.025 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:198 Resp: 2364
Ion Ratio Lower Upper
198 100
182 3194.0 26.6 39.8#
77 0.0 0.0 0.0

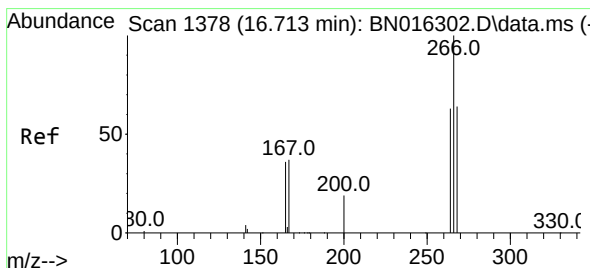
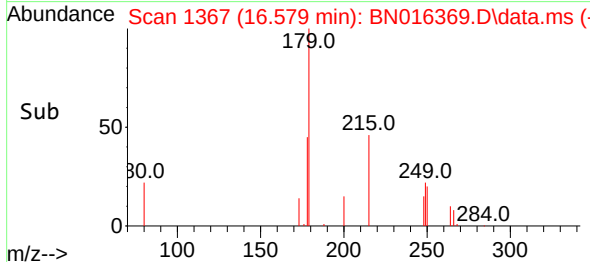
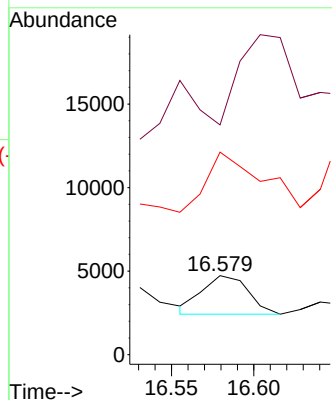
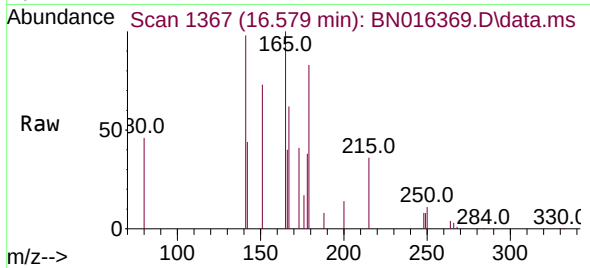




#23
Atrazine
Concen: 0.064 ng
RT: 16.579 min Scan# 1367
Delta R.T. 0.037 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

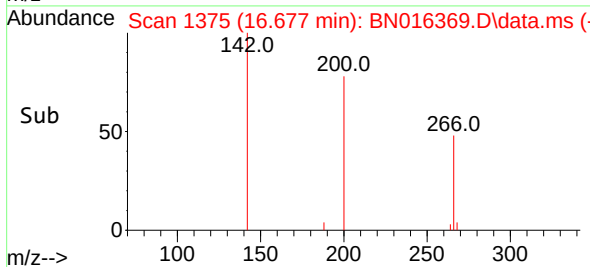
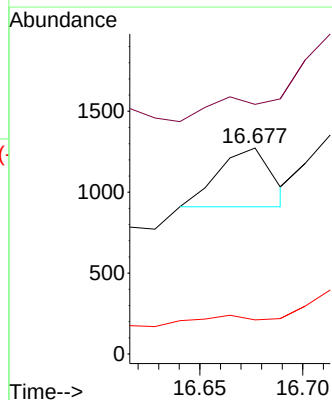
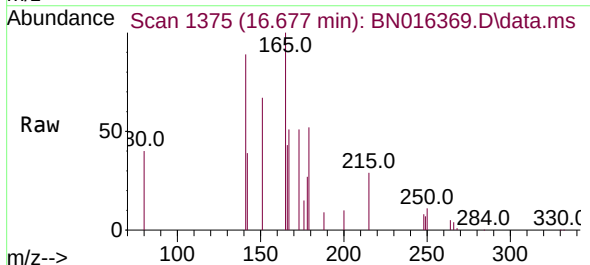
Instrument :
BNA_N
ClientSampleId :
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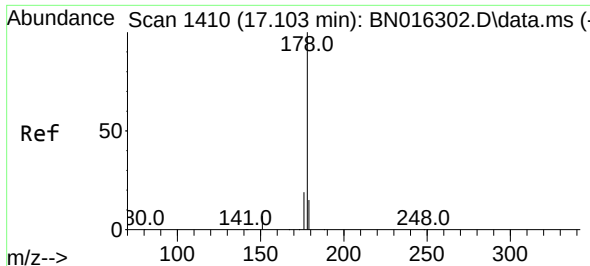
Tgt Ion:200 Resp: 4448
Ion Ratio Lower Upper
200 100
173 290.6 18.7 28.1#
215 256.2 41.6 62.4#



#24
Pentachlorophenol
Concen: 0.027 ng
RT: 16.677 min Scan# 1375
Delta R.T. -0.036 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:266 Resp: 661
Ion Ratio Lower Upper
266 100
264 0.0 50.6 75.8#
268 0.0 52.6 79.0#

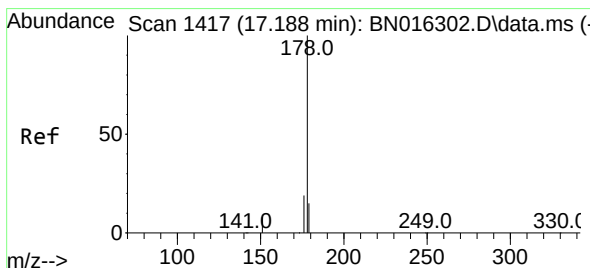
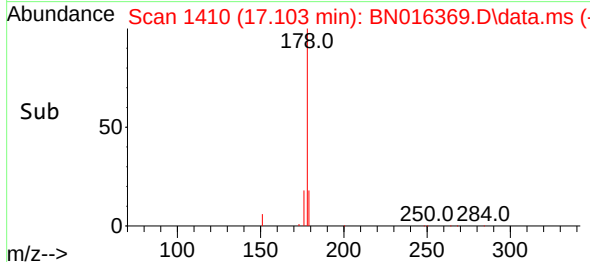
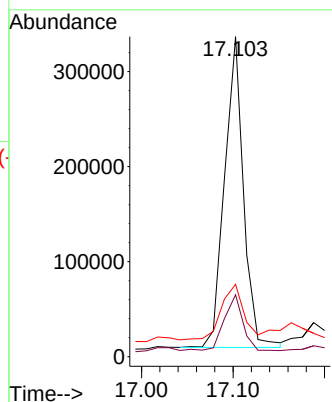
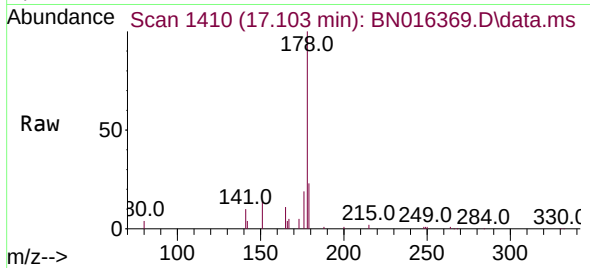




#25
Phenanthrene
Concen: 1.273 ng
RT: 17.103 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

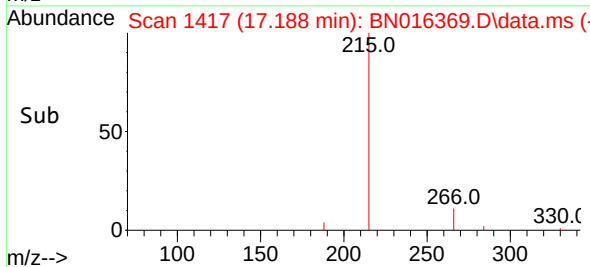
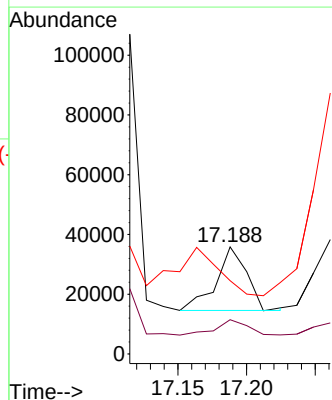
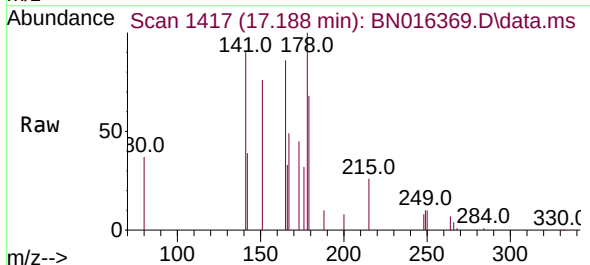
Instrument :
BNA_N
ClientSampleId :
NAPL-07-(8-10)-END-POINT

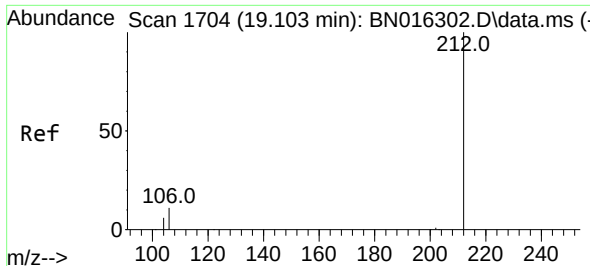
Tgt Ion:178 Resp: 468240
Ion Ratio Lower Upper
178 100
176 17.5 14.4 21.6
179 21.3 12.2 18.4#



#26
Anthracene
Concen: 0.093 ng
RT: 17.188 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:178 Resp: 33289
Ion Ratio Lower Upper
178 100
176 23.9 13.9 20.9#
179 0.0 12.2 18.4#

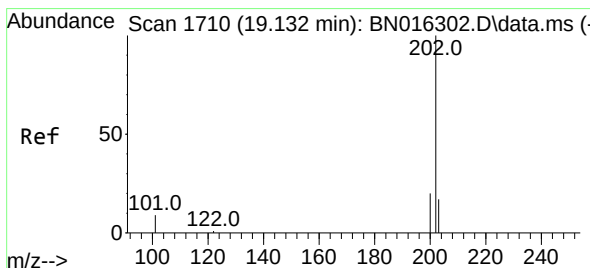
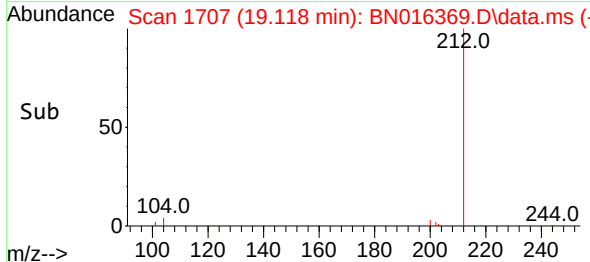
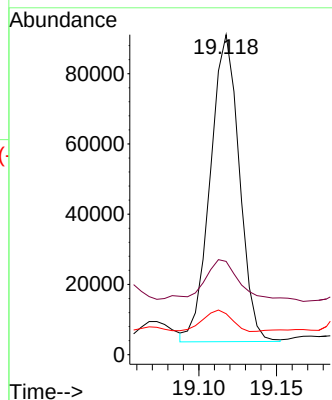
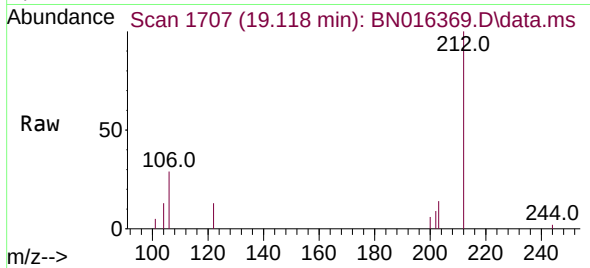




#27
Fluoranthene-d10
Concen: 0.302 ng
RT: 19.118 min Scan# 1707
Delta R.T. 0.020 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

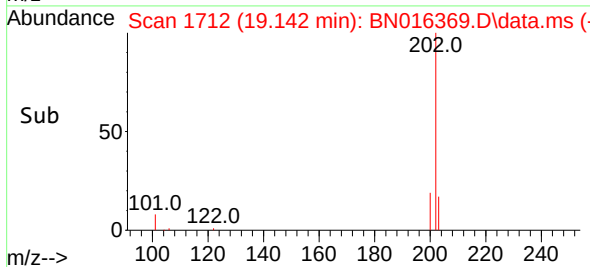
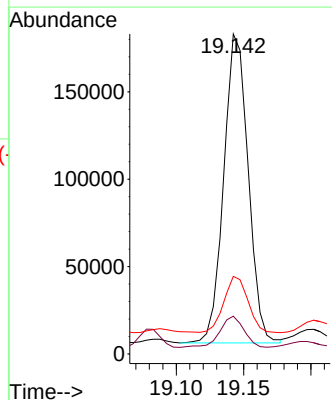
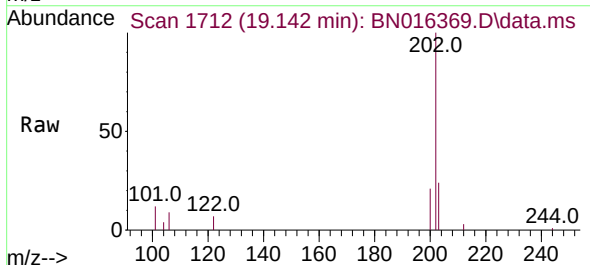
Instrument :
BNA_N
ClientSampleId :
NAPL-07-(8-10)-END-POINT

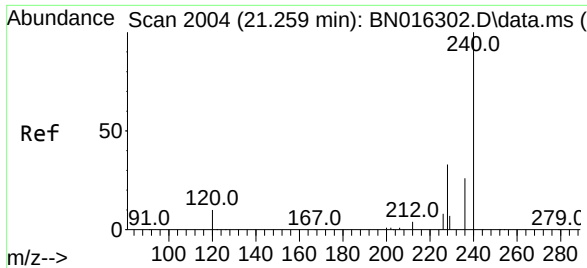
Tgt Ion:212 Resp: 113649
Ion Ratio Lower Upper
212 100
106 25.5 9.8 14.6#
104 7.1 5.4 8.2



#28
Fluoranthene
Concen: 0.527 ng
RT: 19.142 min Scan# 1712
Delta R.T. 0.015 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:202 Resp: 223392
Ion Ratio Lower Upper
202 100
101 10.0 8.5 12.7
203 17.9 13.8 20.8

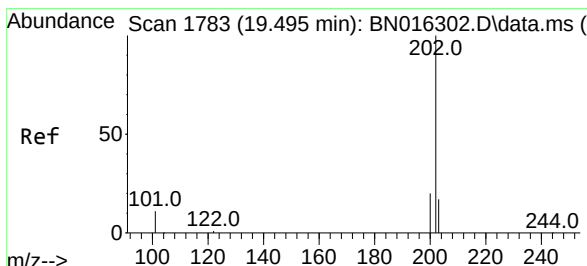
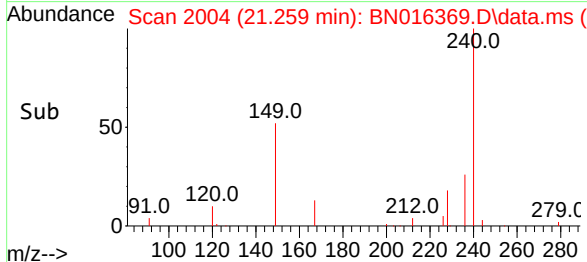
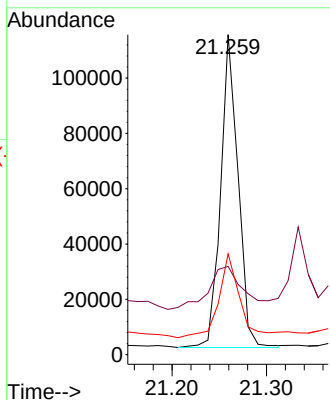
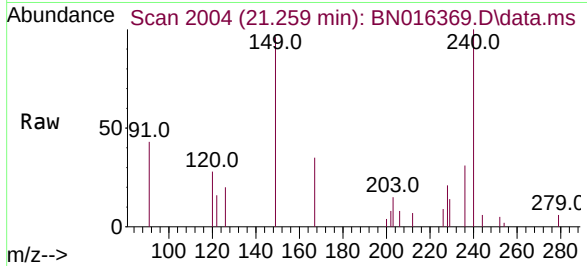




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

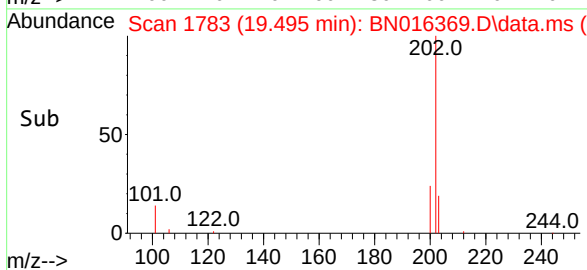
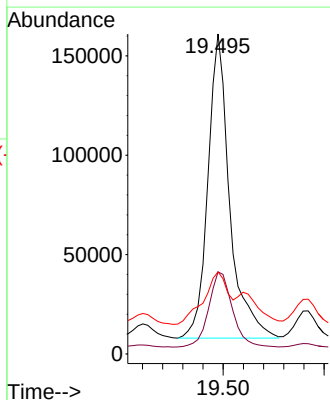
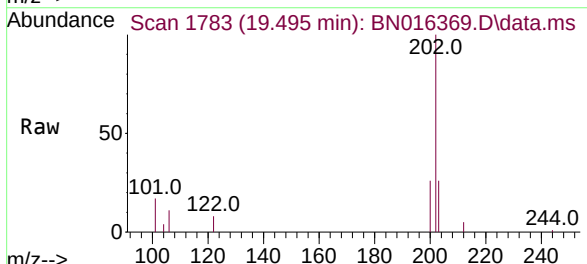
Instrument :
BNA_N
ClientSampleId :
NAPL-07-(8-10)-END-POINT

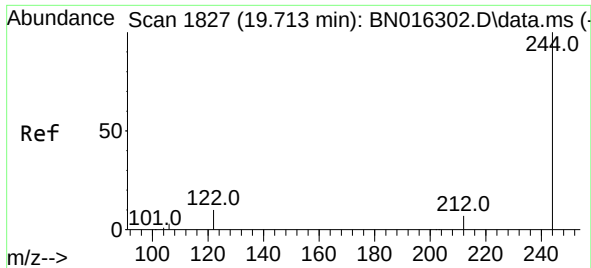
Tgt Ion:240 Resp: 145038
Ion Ratio Lower Upper
240 100
120 27.6 5.3 7.9#
236 31.5 19.8 29.8#



#30
Pyrene
Concen: 0.500 ng
RT: 19.495 min Scan# 1783
Delta R.T. 0.005 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:202 Resp: 229228
Ion Ratio Lower Upper
202 100
200 27.0 15.8 23.6#
203 19.5 13.9 20.9

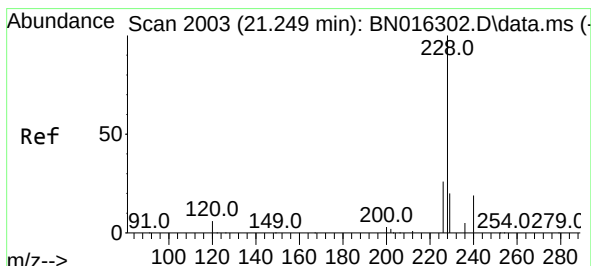
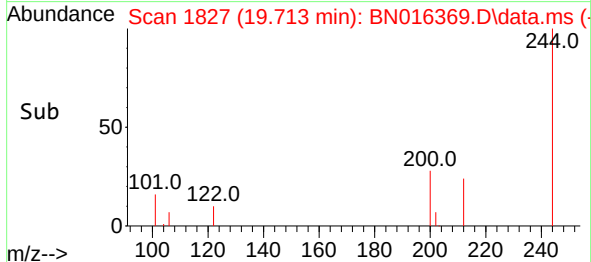
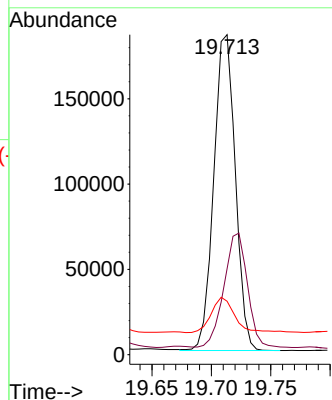
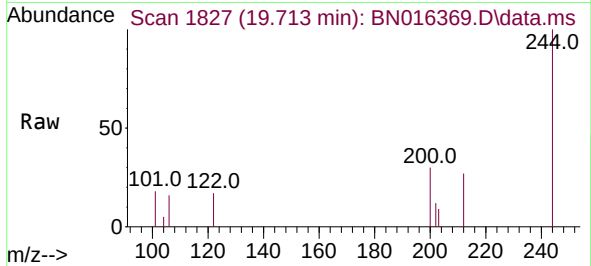




#31
 Terphenyl-d14
 Concen: 0.695 ng
 RT: 19.713 min Scan# 1827
 Delta R.T. 0.005 min
 Lab File: BN016369.D
 Acq: 21 Sep 2021 07:20

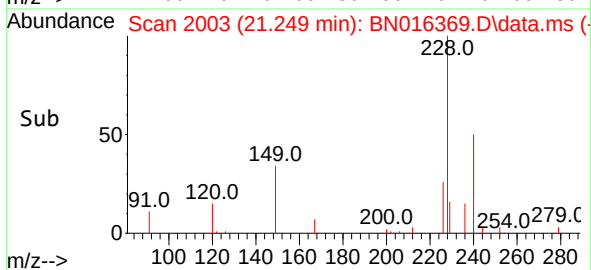
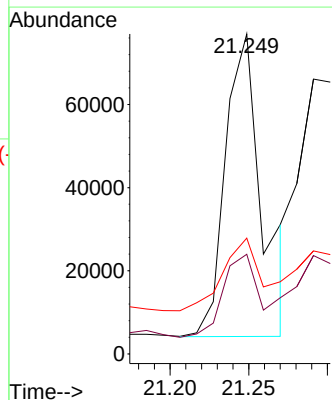
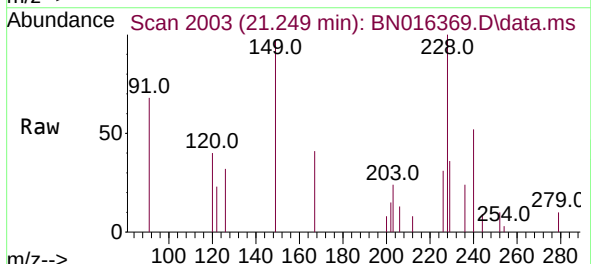
Instrument :
 BNA_N
 ClientSampleId :
 NAPL-07-(8-10)-END-POINT

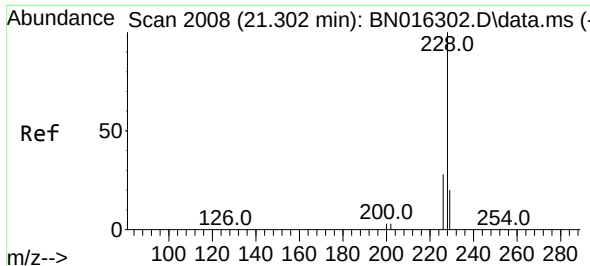
Tgt Ion:244 Resp: 233453
 Ion Ratio Lower Upper
 244 100
 212 26.9 5.5 8.3#
 122 16.7 9.0 13.4#



#32
 Benzo(a)anthracene
 Concen: 0.254 ng
 RT: 21.249 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: BN016369.D
 Acq: 21 Sep 2021 07:20

Tgt Ion:228 Resp: 118532
 Ion Ratio Lower Upper
 228 100
 226 31.2 20.8 31.2
 229 36.2 15.8 23.6#

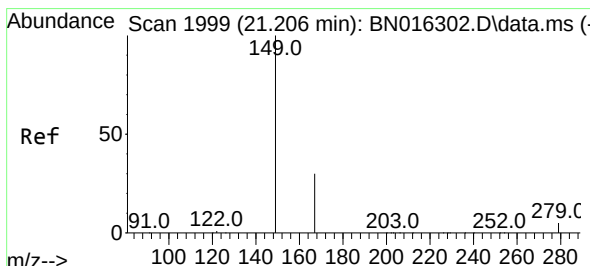
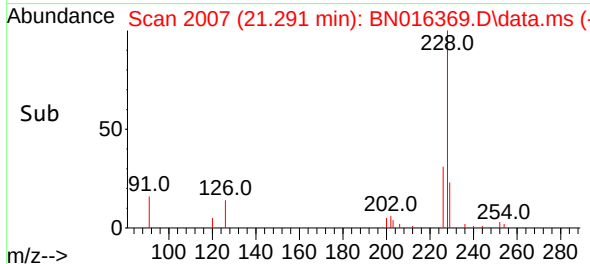
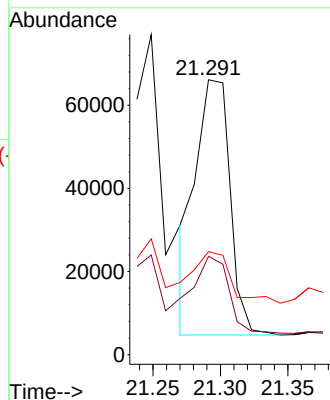
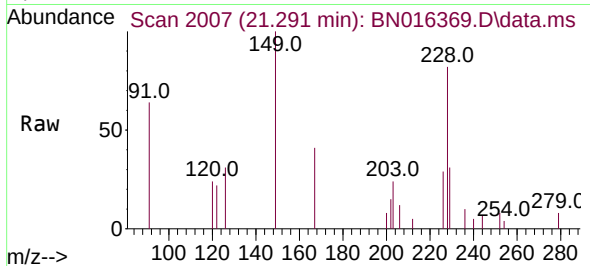




#33
Chrysene
Concen: 0.242 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

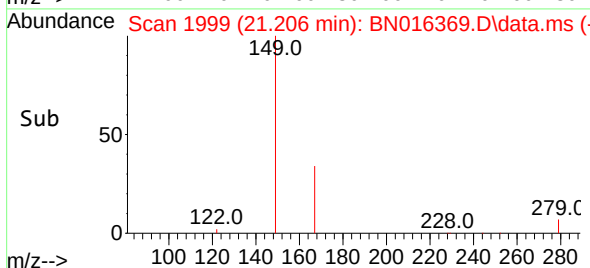
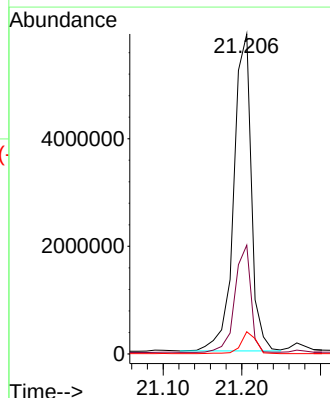
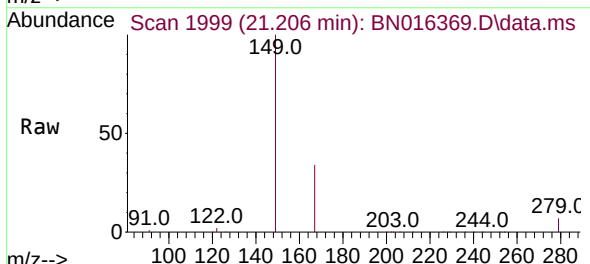
Instrument :
BNA_N
ClientSampleId :
NAPL-07-(8-10)-END-POINT

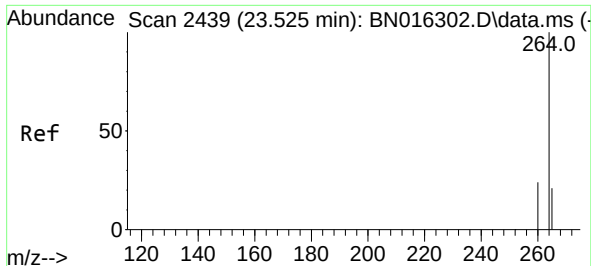
Tgt Ion:228 Resp: 109205
Ion Ratio Lower Upper
228 100
226 35.8 23.0 34.4#
229 37.5 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 36.441 ng
RT: 21.206 min Scan# 1999
Delta R.T. 0.011 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:149 Resp: 9157900
Ion Ratio Lower Upper
149 100
167 30.6 23.4 35.0
279 6.0 3.9 5.9#

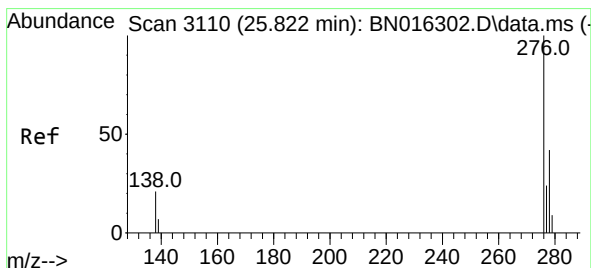
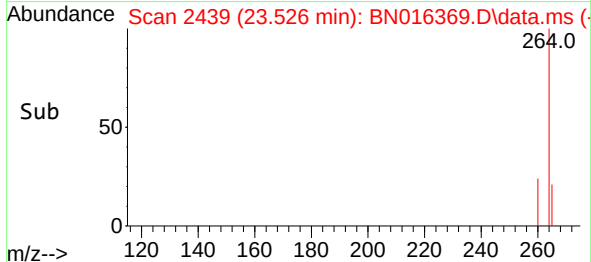
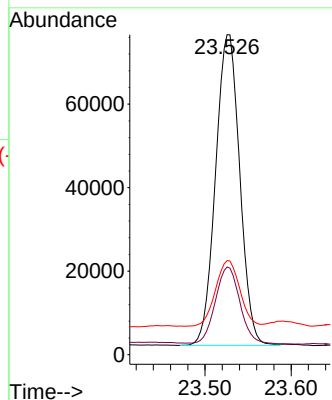
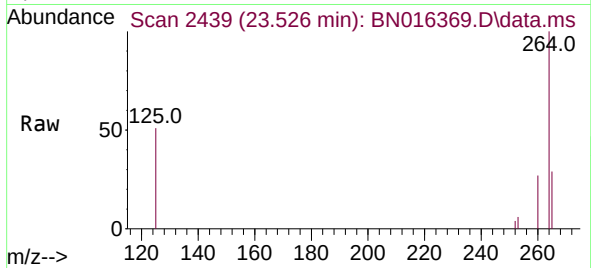




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.526 min Scan# 2439
 Delta R.T. 0.000 min
 Lab File: BN016369.D
 Acq: 21 Sep 2021 07:20

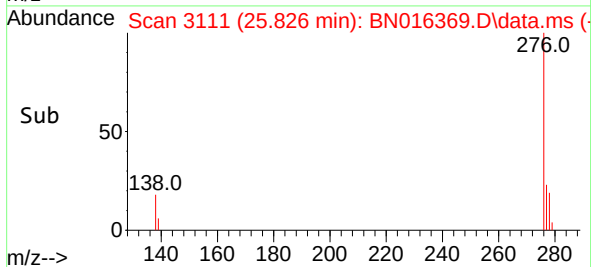
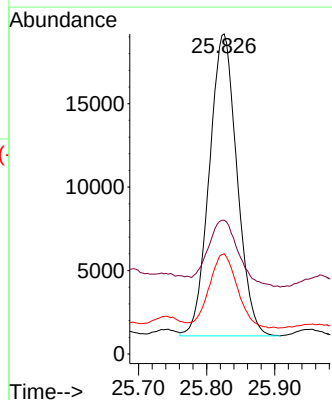
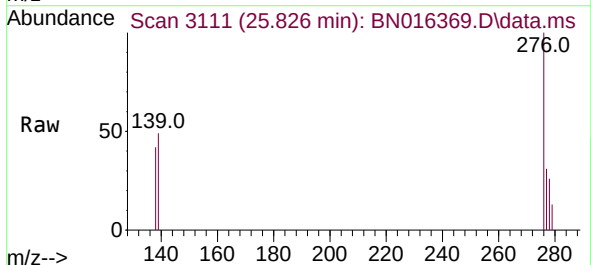
Instrument :
 BNA_N
 ClientSampleId :
 NAPL-07-(8-10)-END-POINT

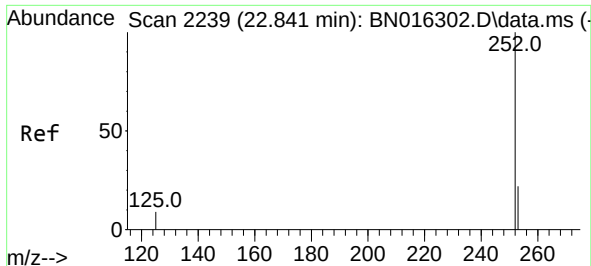
Tgt Ion:	264	Resp:	145086
Ion Ratio	Lower	Upper	
264	100		
260	27.4	18.9	28.3
265	29.4	23.7	35.5



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.109 ng
 RT: 25.826 min Scan# 3111
 Delta R.T. 0.007 min
 Lab File: BN016369.D
 Acq: 21 Sep 2021 07:20

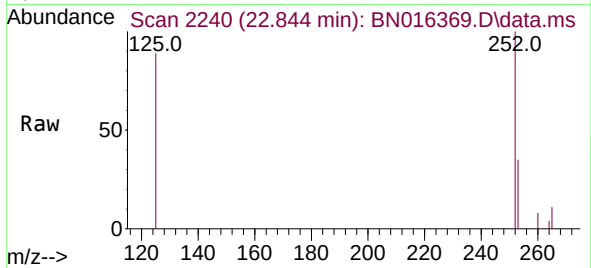
Tgt Ion:	276	Resp:	51192
Ion Ratio	Lower	Upper	
276	100		
138	24.8	19.3	28.9
277	24.7	20.2	30.2



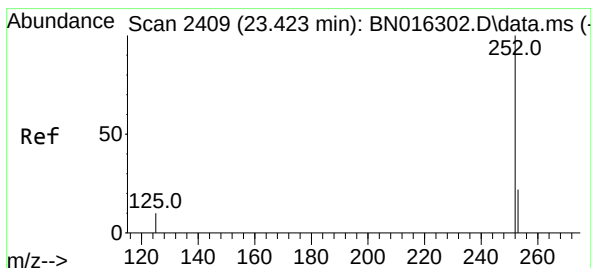
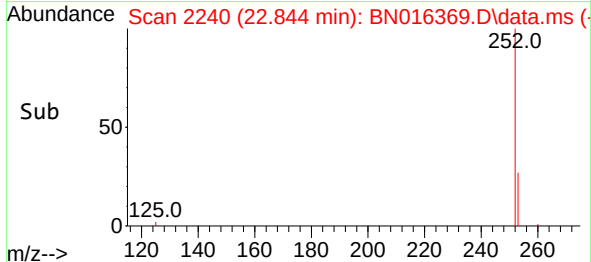
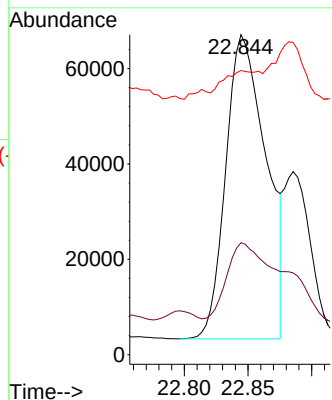


#37
Benzo(b)fluoranthene
Concen: 0.305 ng
RT: 22.844 min Scan# 2240
Delta R.T. 0.004 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Instrument :
BNA_N
ClientSampleId :
NAPL-07-(8-10)-END-POINT

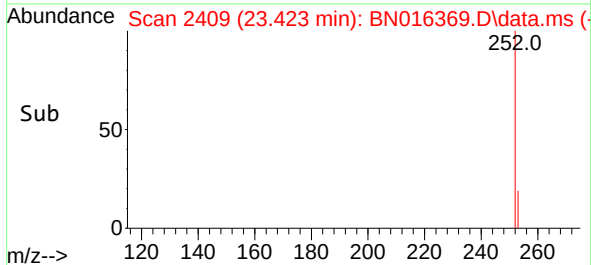
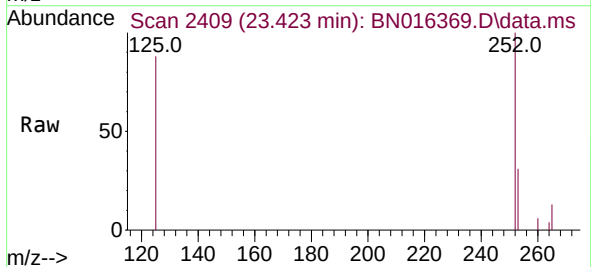
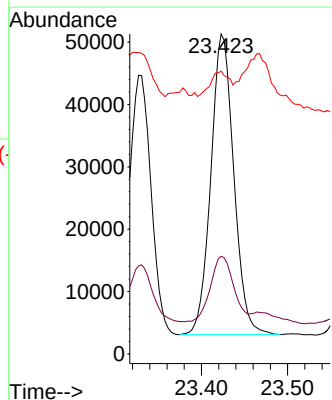


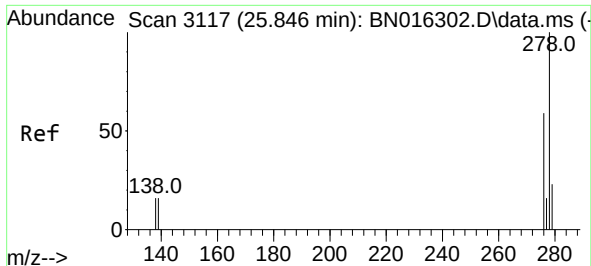
Tgt Ion:252 Resp: 140369
Ion Ratio Lower Upper
252 100
253 35.0 18.2 27.2#
125 88.8 8.4 12.6#



#39
Benzo(a)pyrene
Concen: 0.214 ng
RT: 23.423 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:252 Resp: 89110
Ion Ratio Lower Upper
252 100
253 30.6 18.7 28.1#
125 88.3 9.9 14.9#

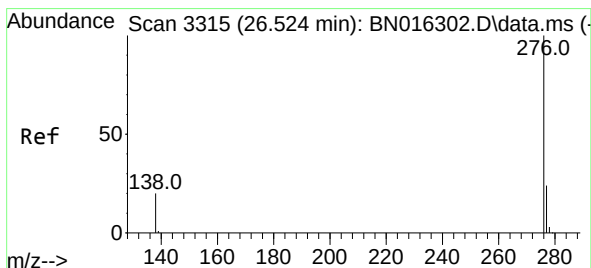
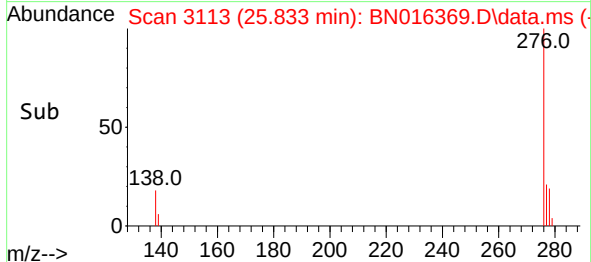
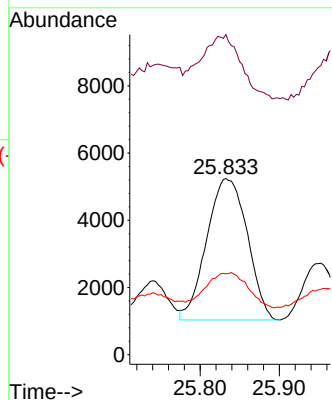
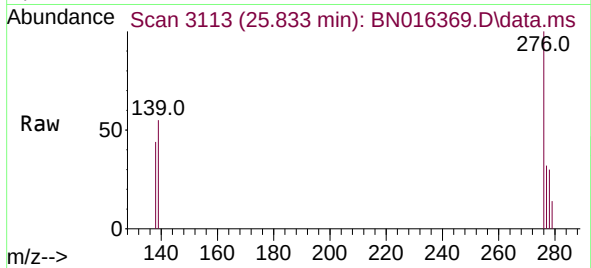




#40
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 25.833 min Scan# 3113
Delta R.T. -0.010 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Instrument :
BNA_N
ClientSampleId :
NAPL-07-(8-10)-END-POINT

Tgt Ion:278 Resp: 14999
Ion Ratio Lower Upper
278 100
139 181.7 14.2 21.2#
279 45.9 21.3 31.9#



#41
Benzo(g,h,i)perylene
Concen: 0.120 ng
RT: 26.524 min Scan# 3315
Delta R.T. 0.004 min
Lab File: BN016369.D
Acq: 21 Sep 2021 07:20

Tgt Ion:276 Resp: 47325
Ion Ratio Lower Upper
276 100
277 31.1 20.5 30.7#
138 40.1 18.2 27.4#

