

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017961.D
 Acq On : 13 Dec 2021 05:18
 Operator : CG/JU
 Sample : M4988-16
 Misc :
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 FB02-20211207

Quant Time: Dec 13 06:01:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 00:01:30 2021
 Response via : Initial Calibration

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

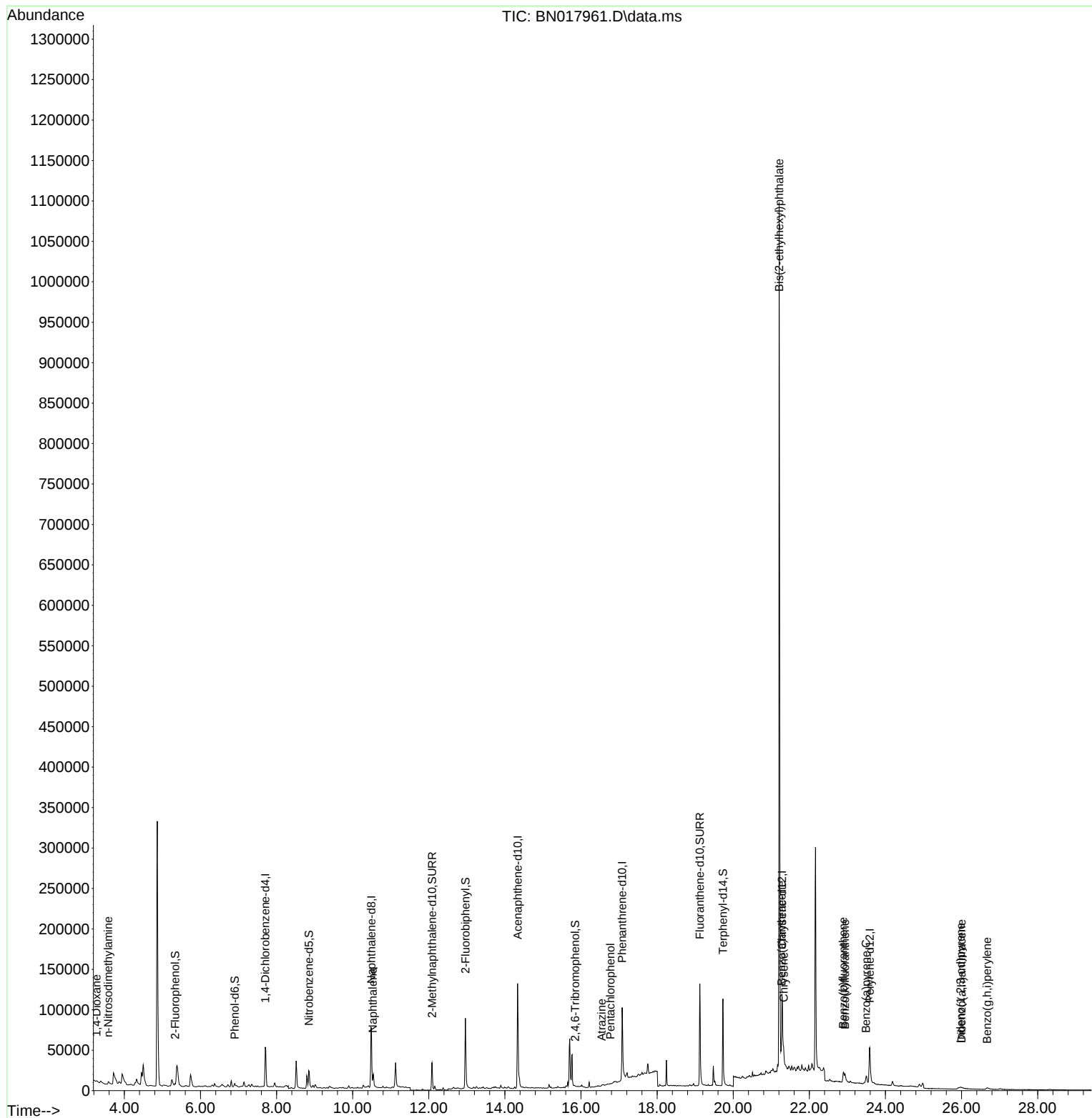
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	29816	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	127416	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	81659	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	155409	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	109631	0.400	ng	#-0.01
35) Perylene-d12	23.585	264	81954	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	3429	0.056	ng	0.00
5) Phenol-d6	6.903	99	2095	0.034	ng	0.00
8) Nitrobenzene-d5	8.846	82	22769	0.274	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	54321	0.242	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	168	0.336	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	85020	0.296	ng	0.00
27) Fluoranthene-d10	19.124	212	173304	0.344	ng	0.00
31) Terphenyl-d14	19.730	244	136029	0.503	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	609	0.067	ng	# 76
3) n-Nitrosodimethylamine	3.574	42	710	0.026	ng	# 1
9) Naphthalene	10.532	128	11621	0.037	ng	95
20) 4,6-Dinitro-2-methylph...	15.451	198	8	Below Cal	#	1
23) Atrazine	16.545	200	188	0.094	ng	# 44
24) Pentachlorophenol	16.776	266	34	0.097	ng	# 17
32) Benzo(a)anthracene	21.272	228	19900	0.106	ng	# 90
33) Chrysene	21.325	228	22559	0.063	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.208	149	983823	8.359	ng	98
36) Indeno(1,2,3-cd)pyrene	25.978	276	6260	0.125	ng	# 63
37) Benzo(b)fluoranthene	22.890	252	16294	0.060	ng	# 3
38) Benzo(k)fluoranthene	22.938	252	13256	0.050	ng	# 10
39) Benzo(a)pyrene	23.486	252	14711	0.061	ng	# 1
40) Dibenzo(a,h)anthracene	25.998	278	3786	0.133	ng	# 1
41) Benzo(g,h,i)perylene	26.676	276	7347	0.056	ng	# 69

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

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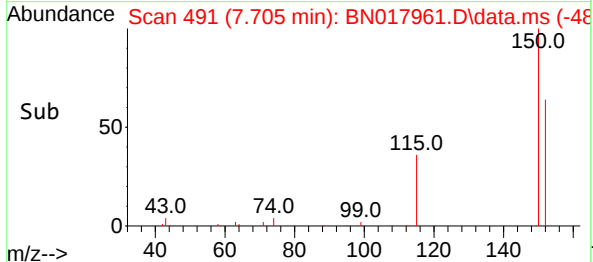
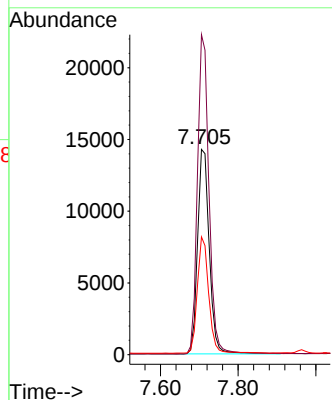
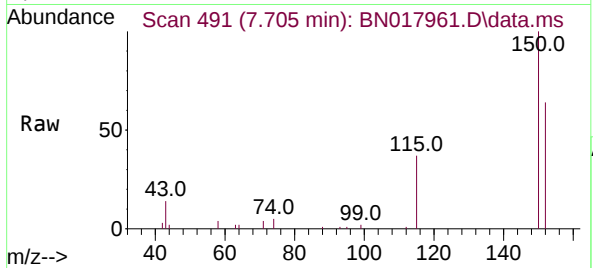




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.705 min Scan# 49
Delta R.T. -0.010 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

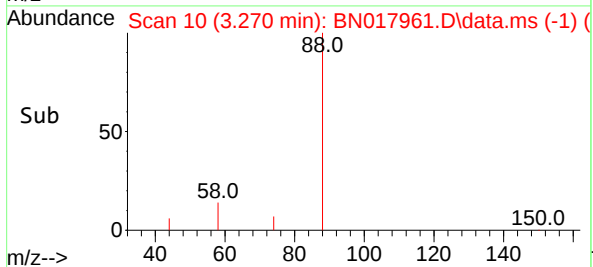
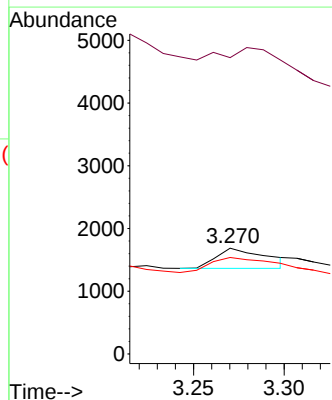
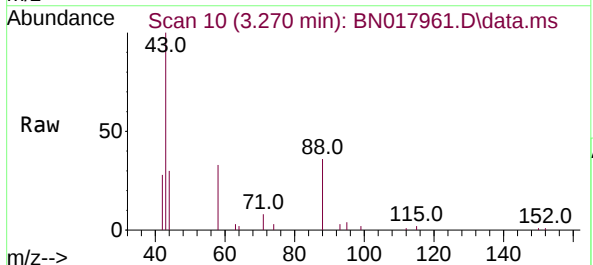
Instrument :
BNA_N
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FB02-20211207

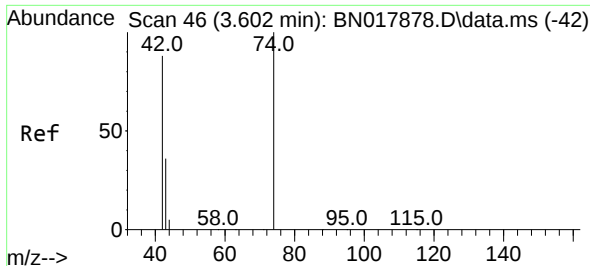
Tgt Ion:152 Resp: 29816
Ion Ratio Lower Upper
152 100
150 155.8 121.9 182.9
115 57.4 44.1 66.1



#2
1,4-Dioxane
Concen: 0.067 ng
RT: 3.270 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion: 88 Resp: 609
Ion Ratio Lower Upper
88 100
43 0.0 28.0 42.0#
58 88.8 65.4 98.0

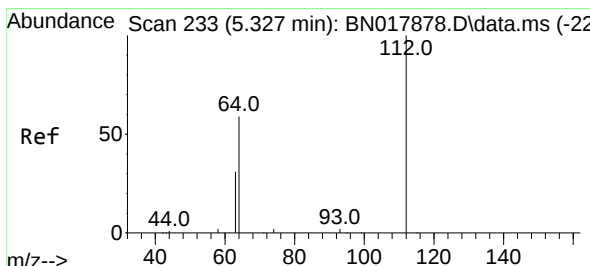
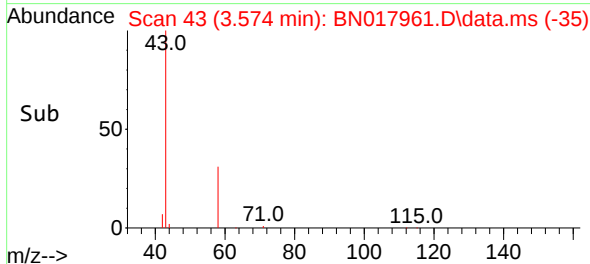
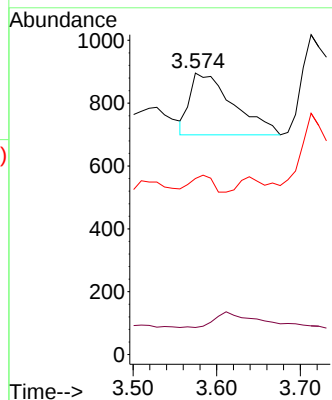
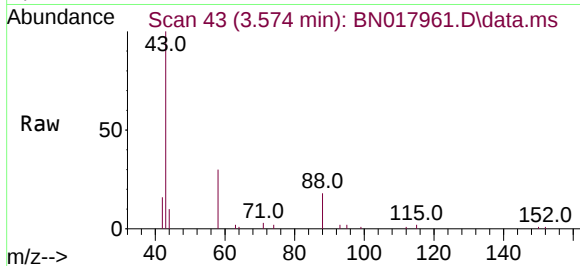




#3
n-Nitrosodimethylamine
Concen: 0.026 ng
RT: 3.574 min Scan# 41
Delta R.T. -0.028 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

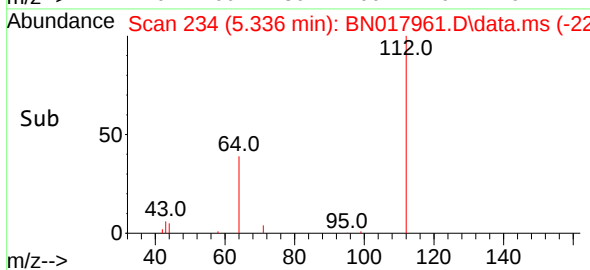
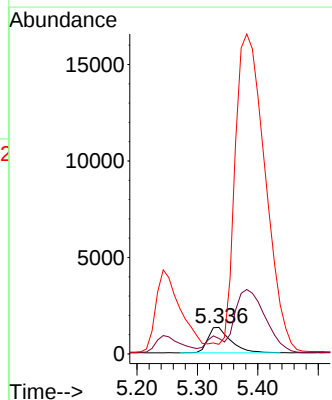
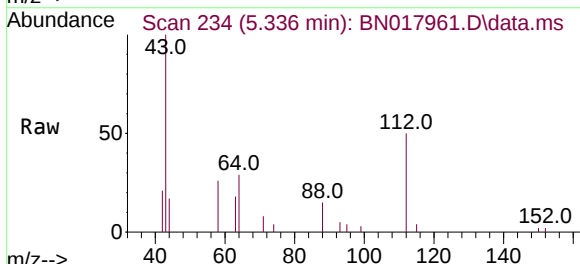
Instrument :
BNA_N
ClientSampleId :
FB02-20211207

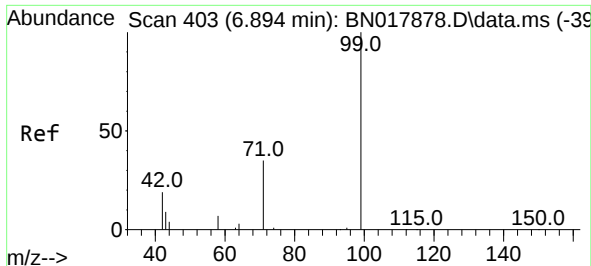
Tgt Ion: 42 Resp: 710
Ion Ratio Lower Upper
42 100
74 0.0 100.6 150.8#
44 12.8 5.2 7.8#



#4
2-Fluorophenol
Concen: 0.056 ng
RT: 5.336 min Scan# 234
Delta R.T. 0.009 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion: 112 Resp: 3429
Ion Ratio Lower Upper
112 100
64 32.4 49.0 73.4#
63 0.0 26.2 39.2#

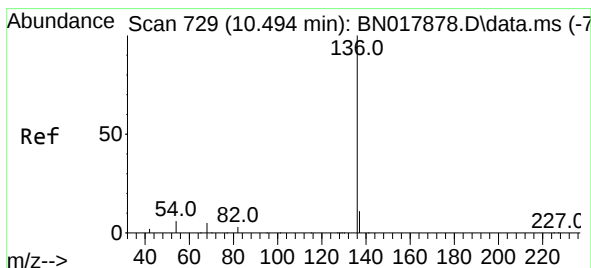
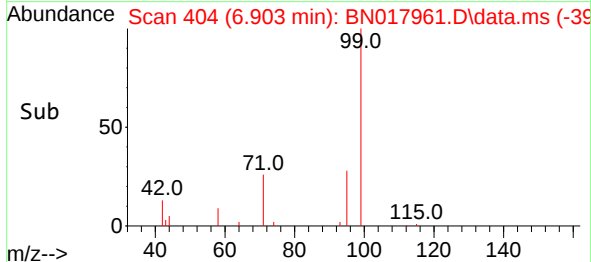
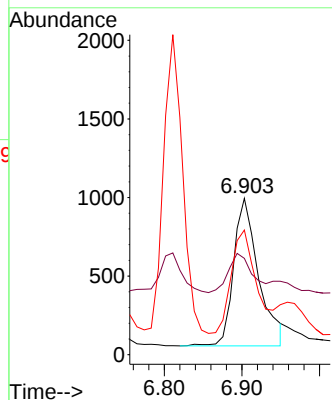
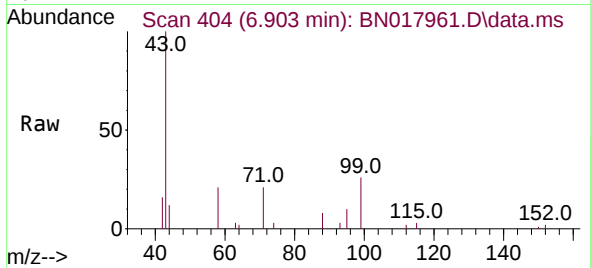




#5
Phenol-d6
Concen: 0.034 ng
RT: 6.903 min Scan# 403
Delta R.T. 0.009 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

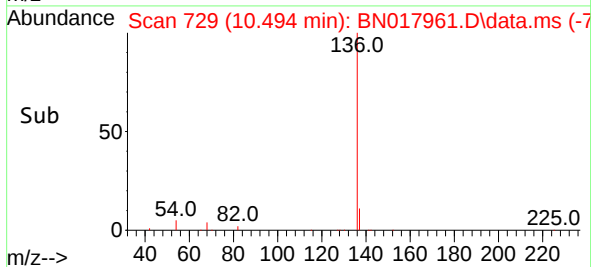
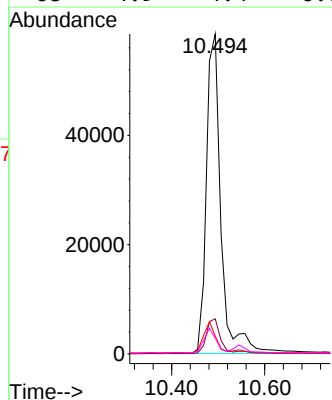
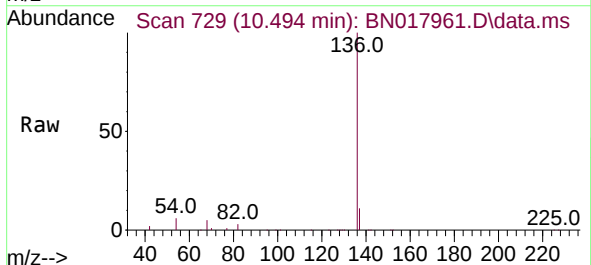
Instrument :
BNA_N
ClientSampleId :
FB02-20211207

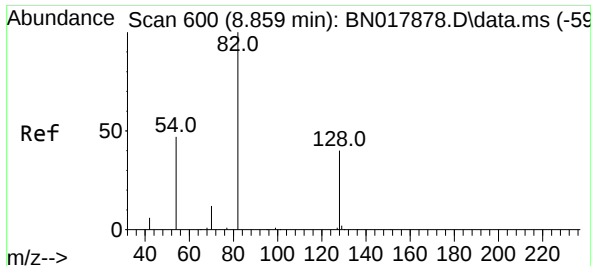
Tgt Ion: 99 Resp: 2095
Ion Ratio Lower Upper
99 100
42 25.2 17.0 25.4
71 70.4 28.0 42.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion: 136 Resp: 127416
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.6 5.1 7.7
68 4.9 4.4 6.6

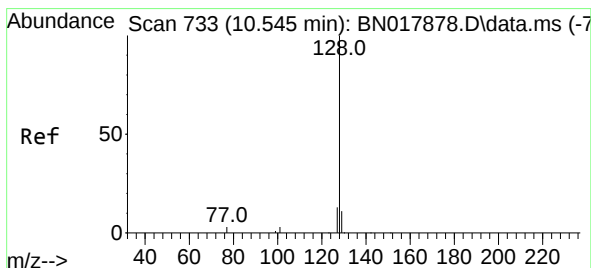
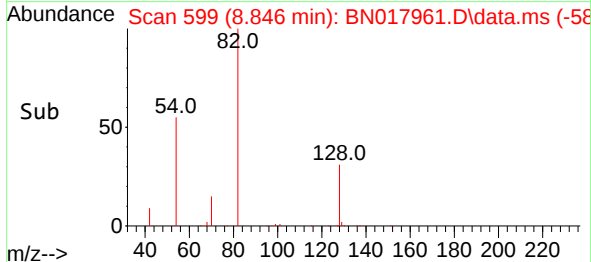
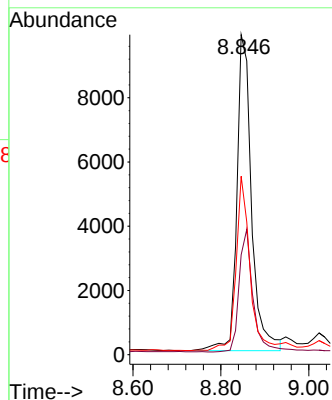
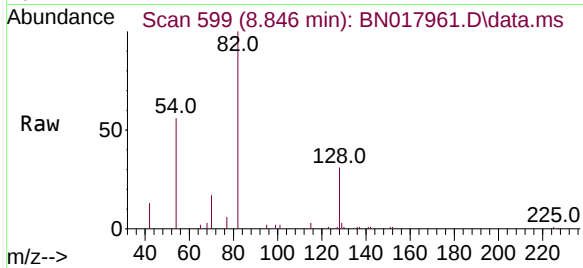




#8
Nitrobenzene-d5
Concen: 0.274 ng
RT: 8.846 min Scan# 51
Delta R.T. -0.013 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

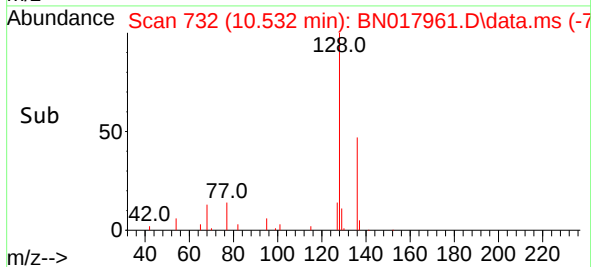
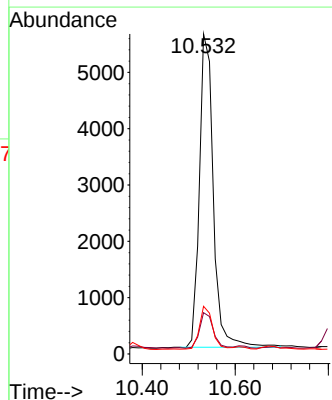
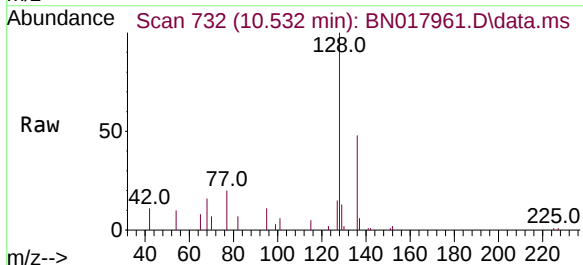
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FB02-20211207

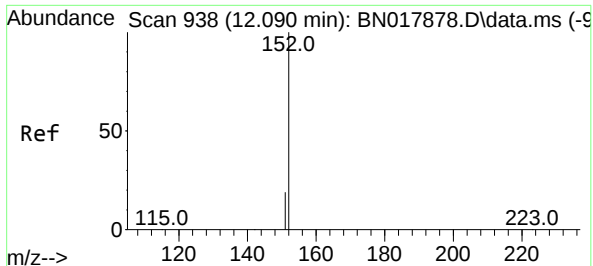
Tgt Ion: 82 Resp: 22769
Ion Ratio Lower Upper
82 100
128 31.2 32.2 48.4#
54 55.8 37.6 56.4



#9
Naphthalene
Concen: 0.037 ng
RT: 10.532 min Scan# 732
Delta R.T. -0.013 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion: 128 Resp: 11621
Ion Ratio Lower Upper
128 100
129 12.9 8.8 13.2
127 14.9 10.5 15.7





#11

2-Methylnaphthalene-d10

Concen: 0.242 ng

RT: 12.085 min Scan# 91

Delta R.T. -0.005 min

Lab File: BN017961.D

Acq: 13 Dec 2021 05:18

Instrument :

BNA_N

ClientSampleId :

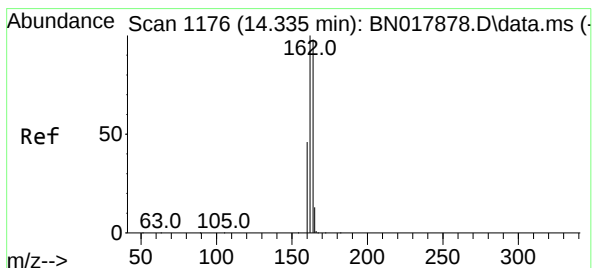
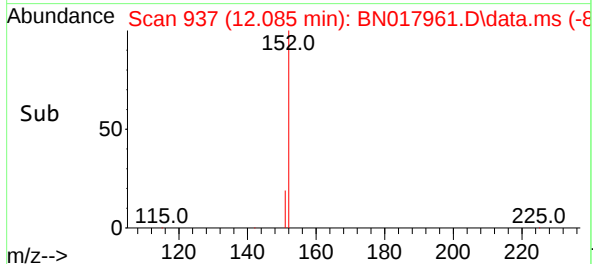
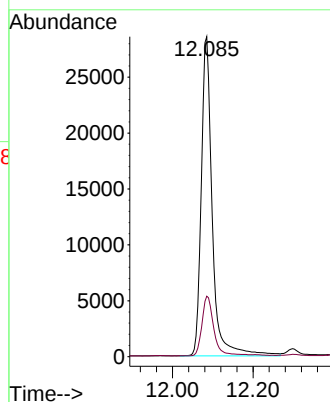
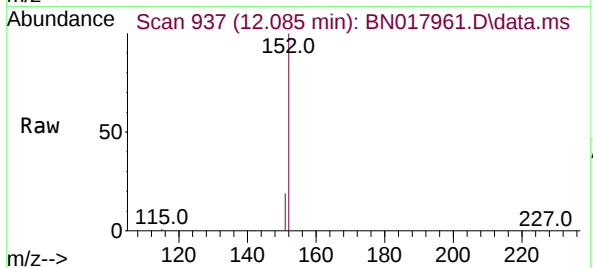
FB02-20211207

Tgt Ion:152 Resp: 54321

Ion Ratio Lower Upper

152 100

151 20.1 16.4 24.6



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.334 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BN017961.D

Acq: 13 Dec 2021 05:18

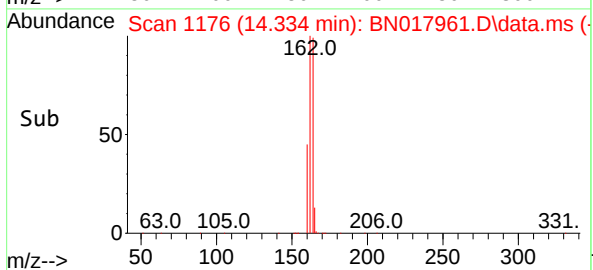
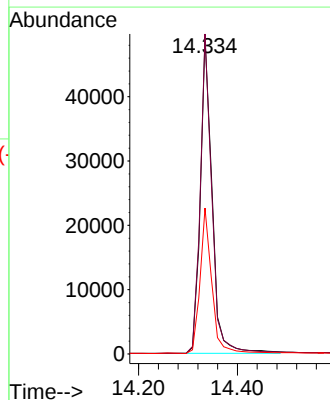
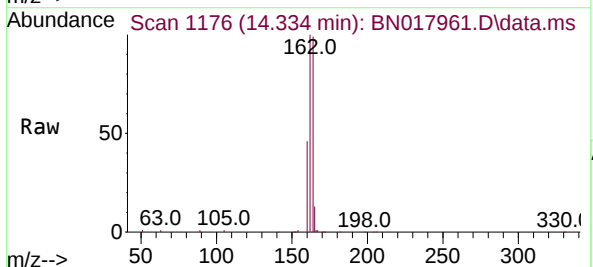
Tgt Ion:164 Resp: 81659

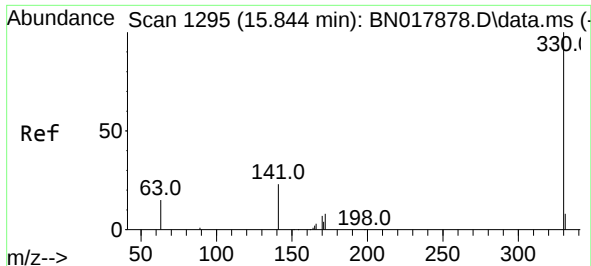
Ion Ratio Lower Upper

164 100

162 100.9 82.1 123.1

160 46.0 38.2 57.2

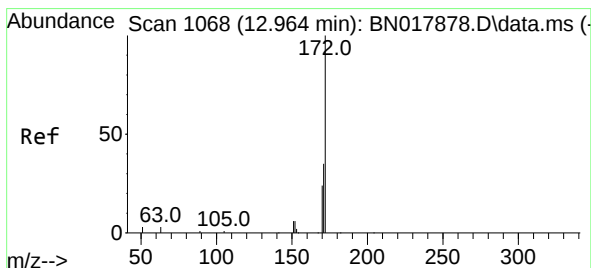
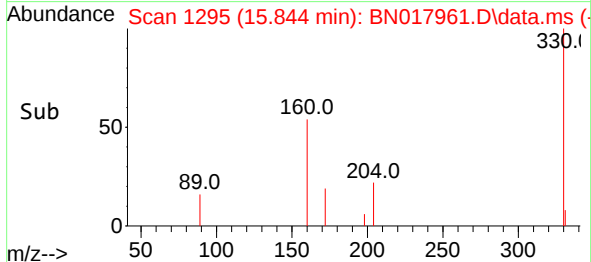
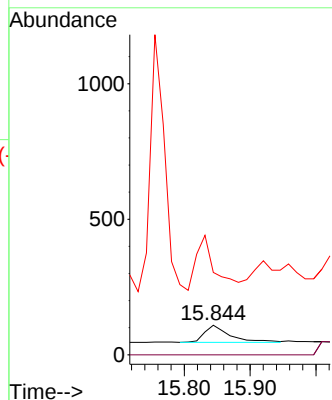
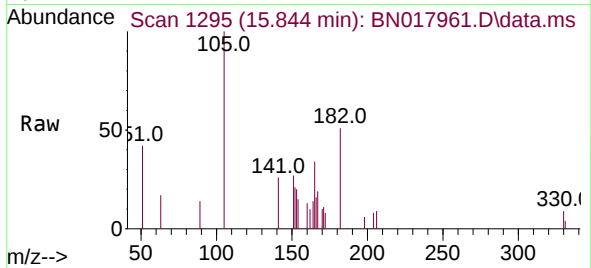




#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

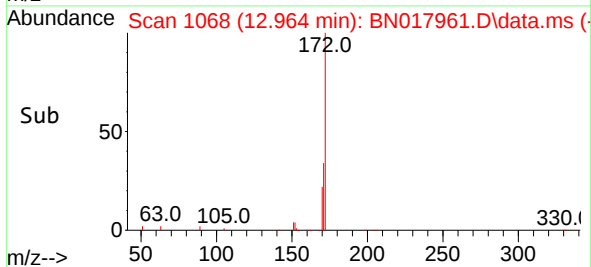
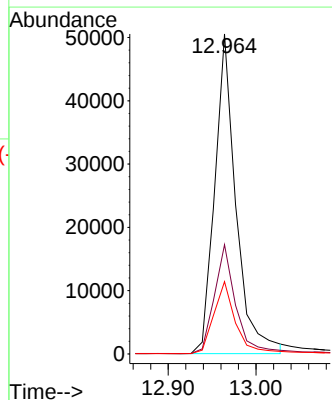
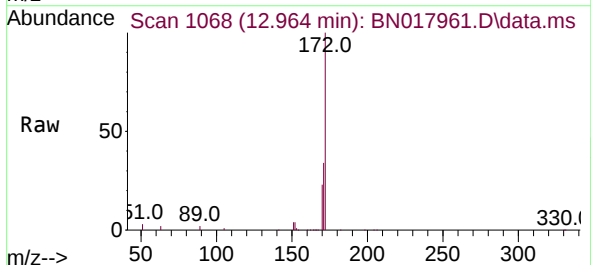
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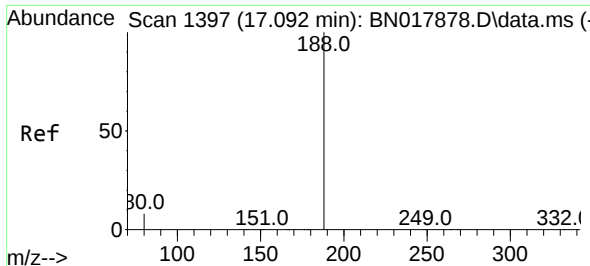
Tgt Ion:330 Resp: 168
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 236.9 19.7 29.5#



#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion:172 Resp: 85020
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 22.6 19.1 28.7

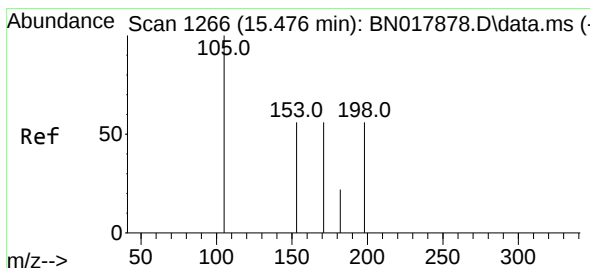
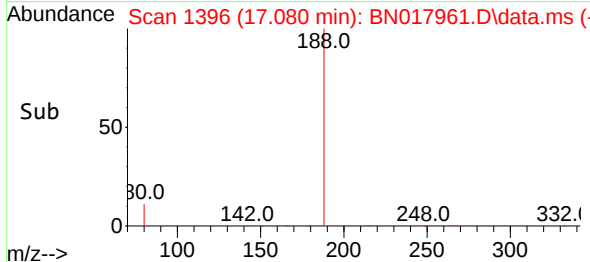
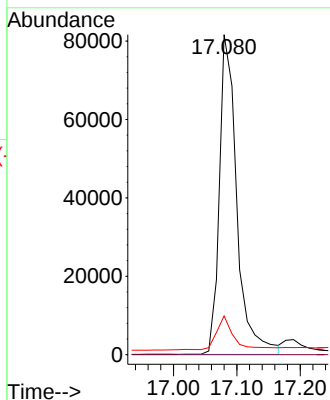
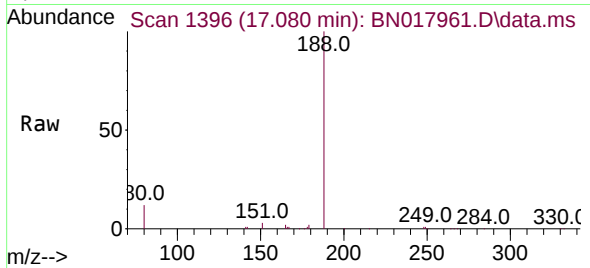




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

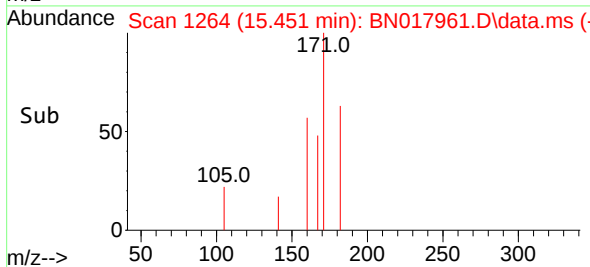
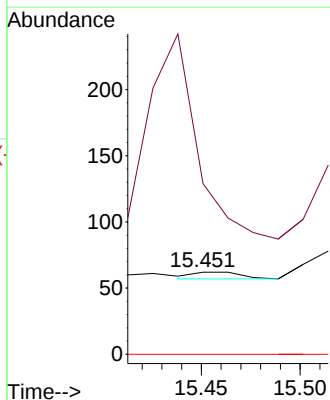
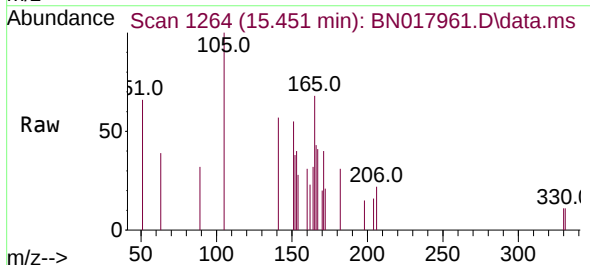
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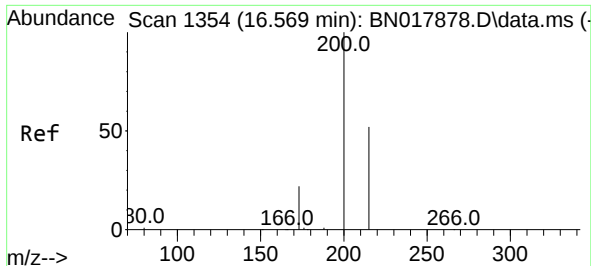
Tgt Ion:188 Resp: 155409
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.1 6.2 9.2#



#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.451 min Scan# 1264
Delta R.T. -0.025 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
182 208.1 70.8 106.2#
77 0.0 0.0 0.0

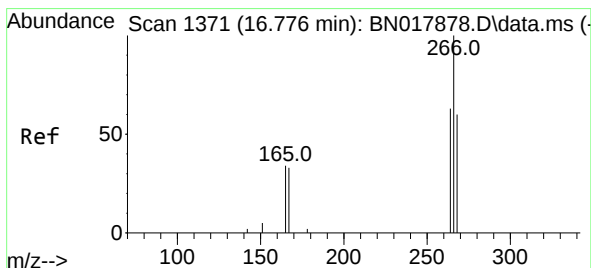
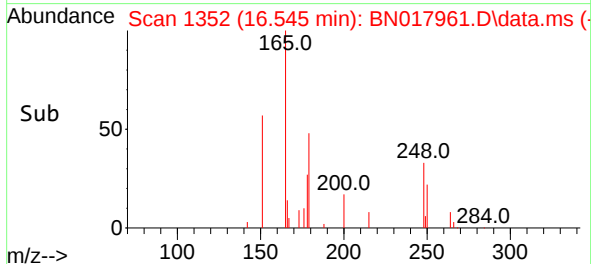
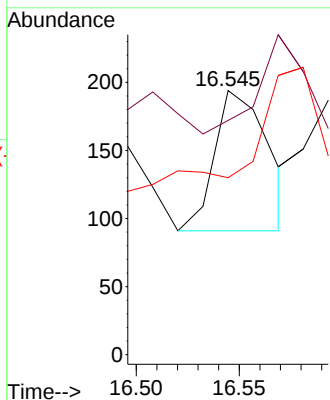
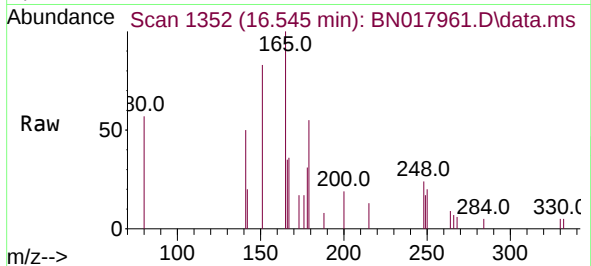




#23
 Atrazine
 Concen: 0.094 ng
 RT: 16.545 min Scan# 1352
 Delta R.T. -0.024 min
 Lab File: BN017961.D
 Acq: 13 Dec 2021 05:18

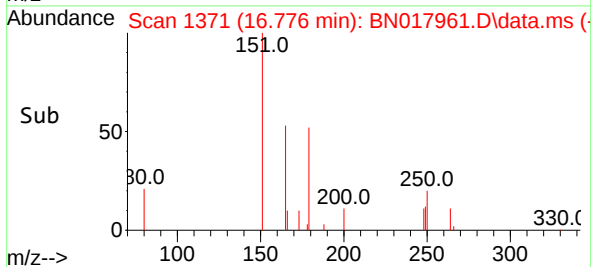
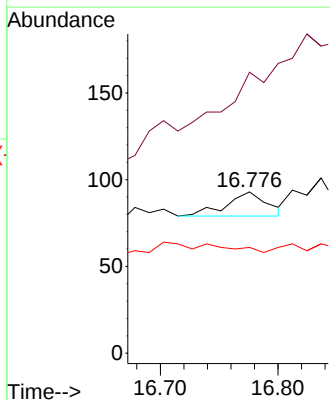
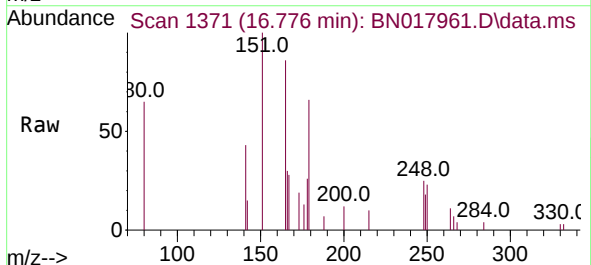
Instrument :
 BNA_N
 ClientSampleId :
 FB02-20211207

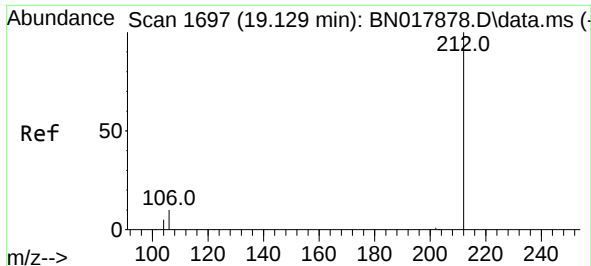
Tgt Ion:200 Resp: 188
 Ion Ratio Lower Upper
 200 100
 173 88.7 18.2 27.2#
 215 67.0 41.8 62.8#



#24
 Pentachlorophenol
 Concen: 0.097 ng
 RT: 16.776 min Scan# 1371
 Delta R.T. -0.000 min
 Lab File: BN017961.D
 Acq: 13 Dec 2021 05:18

Tgt Ion:266 Resp: 34
 Ion Ratio Lower Upper
 266 100
 264 0.0 50.6 76.0#
 268 0.0 53.7 80.5#

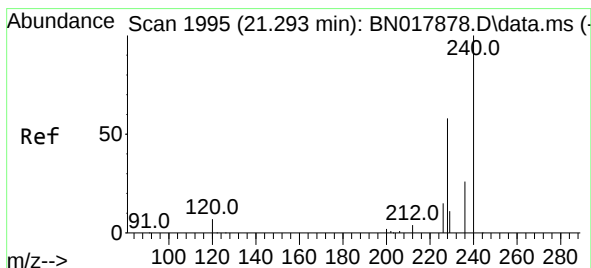
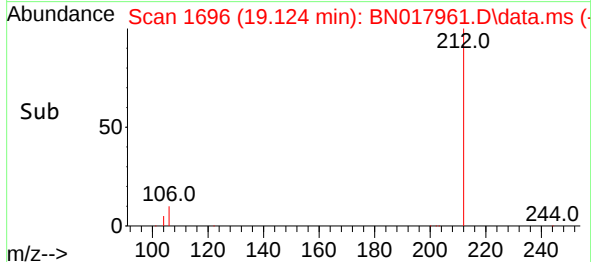
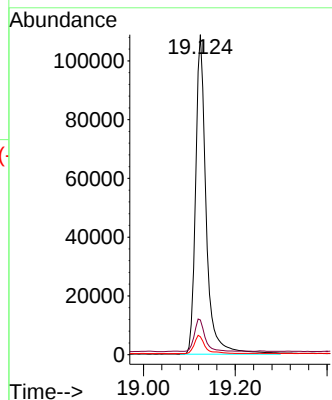
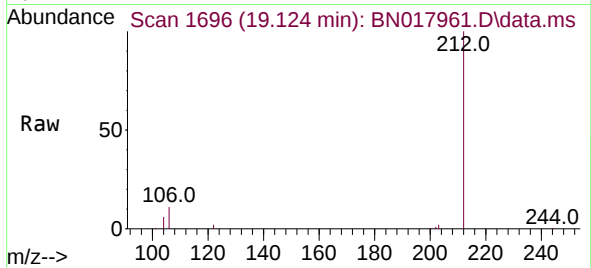




#27
Fluoranthene-d10
Concen: 0.344 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

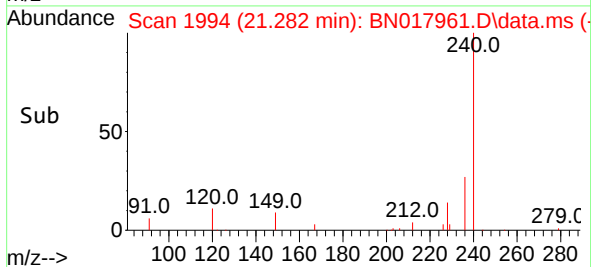
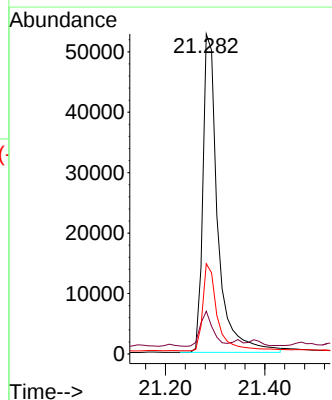
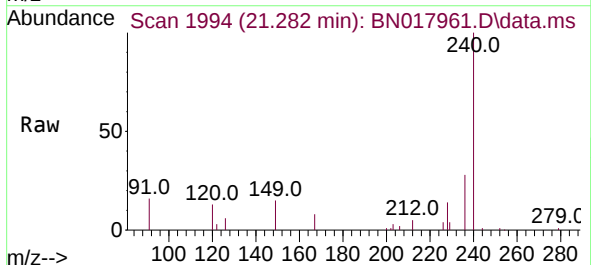
Instrument :
BNA_N
ClientSampleId :
FB02-20211207

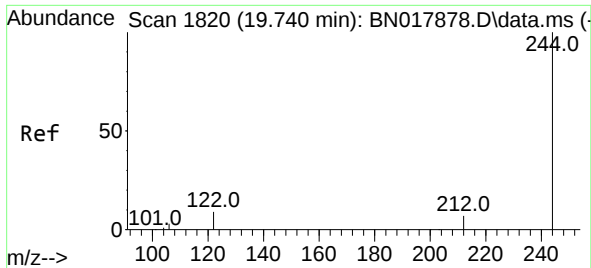
Tgt Ion:212 Resp: 173304
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.9 4.6 6.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion:240 Resp: 109631
Ion Ratio Lower Upper
240 100
120 13.3 5.8 8.8#
236 28.2 21.0 31.6

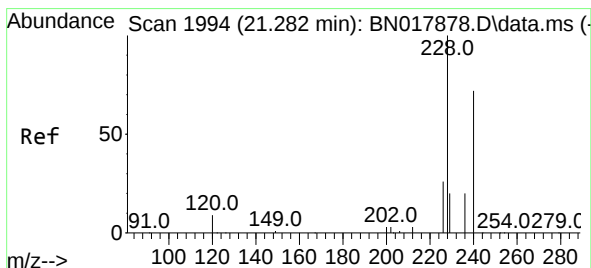
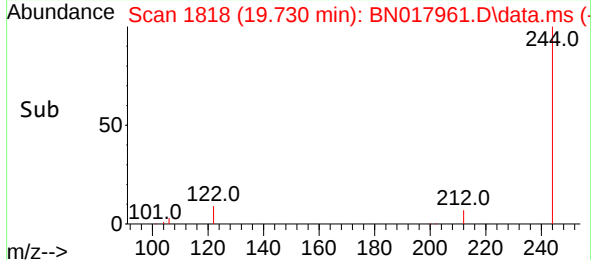
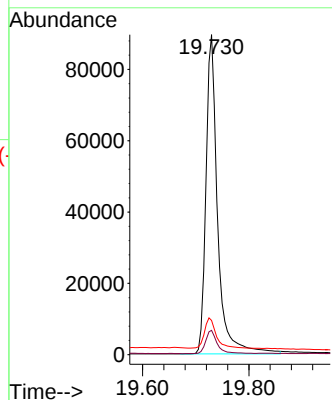
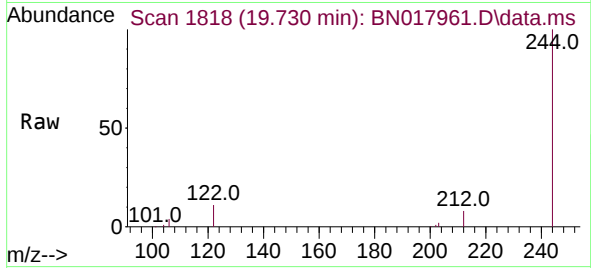




#31
Terphenyl-d14
Concen: 0.503 ng
RT: 19.730 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

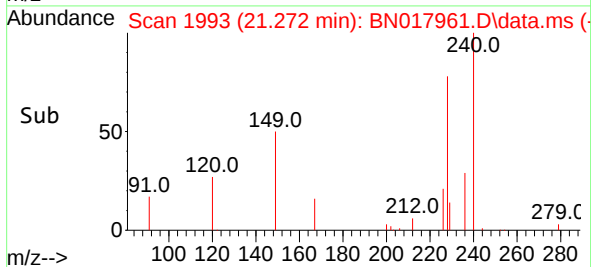
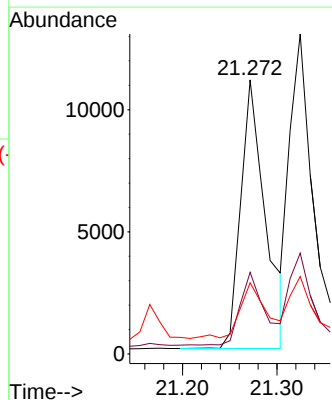
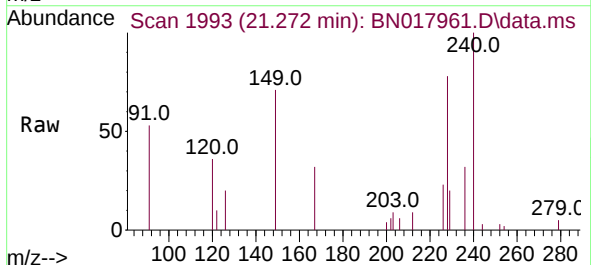
Instrument :
BNA_N
ClientSampleId :
FB02-20211207

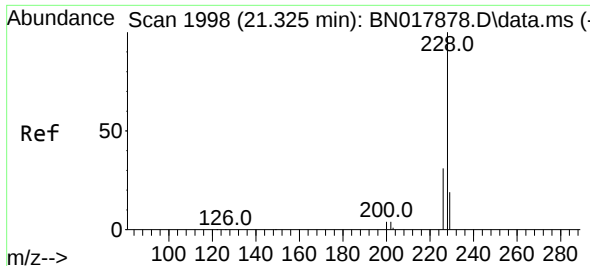
Tgt Ion:244 Resp: 136029
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 10.7 7.5 11.3



#32
Benzo(a)anthracene
Concen: 0.106 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion:228 Resp: 19900
Ion Ratio Lower Upper
228 100
226 29.8 21.0 31.4
229 26.0 15.8 23.8#

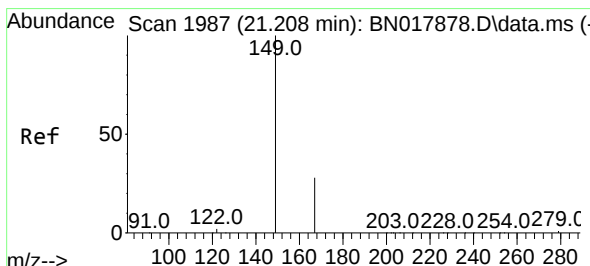
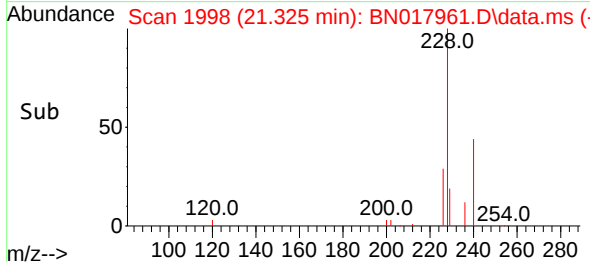
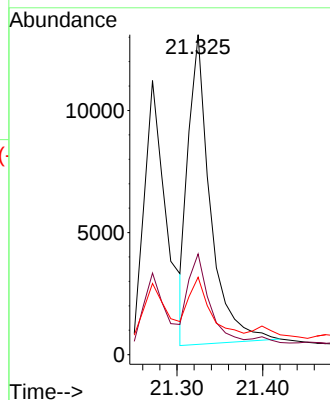
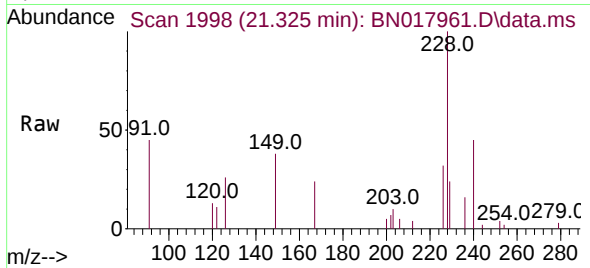




#33
Chrysene
Concen: 0.063 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

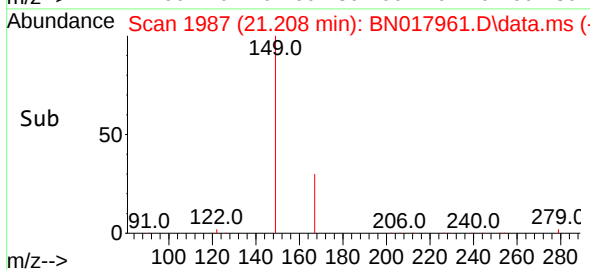
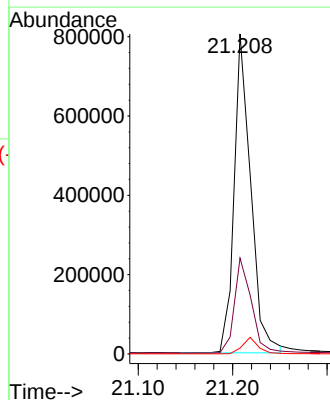
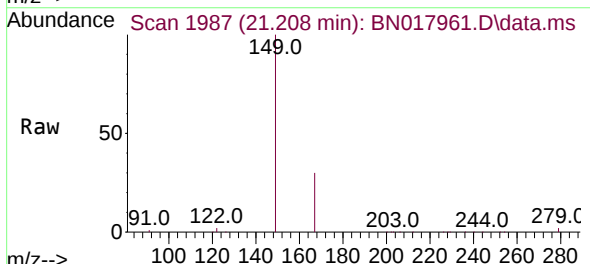
Instrument :
BNA_N
ClientSampleId :
FB02-20211207

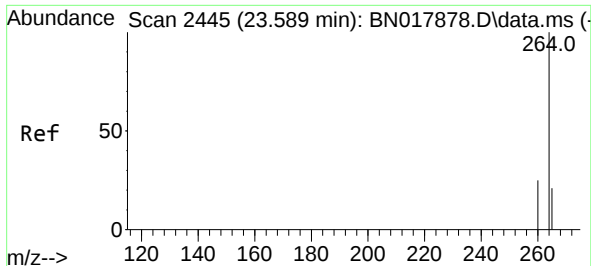
Tgt Ion:228 Resp: 22559
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 24.2 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 8.359 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

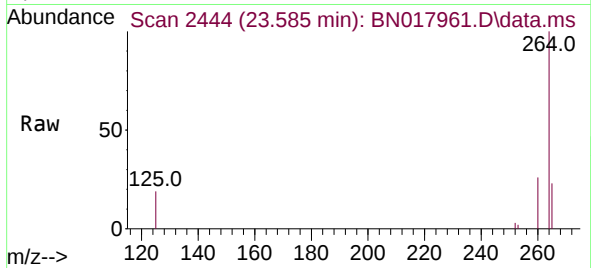
Tgt Ion:149 Resp: 983823
Ion Ratio Lower Upper
149 100
167 30.4 23.4 35.0
279 4.8 3.6 5.4



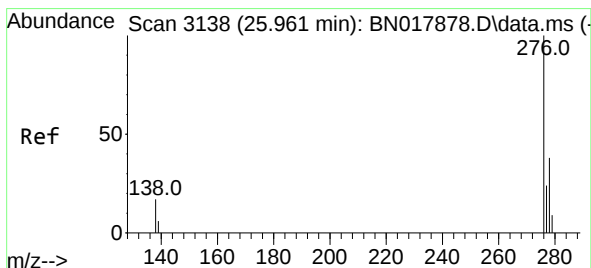
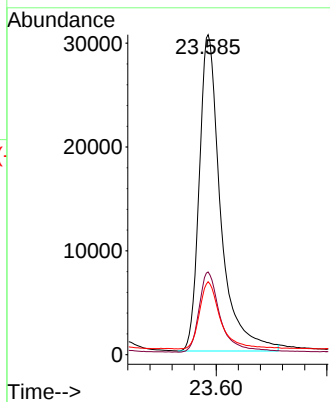
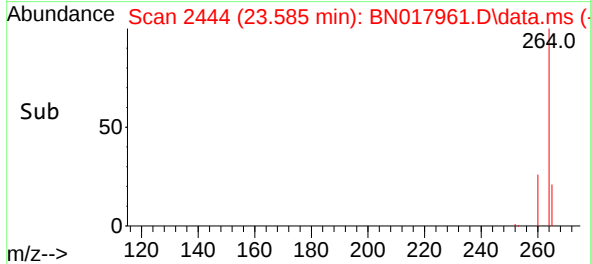


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.585 min Scan# 2444
 Delta R.T. -0.004 min
 Lab File: BN017961.D
 Acq: 13 Dec 2021 05:18

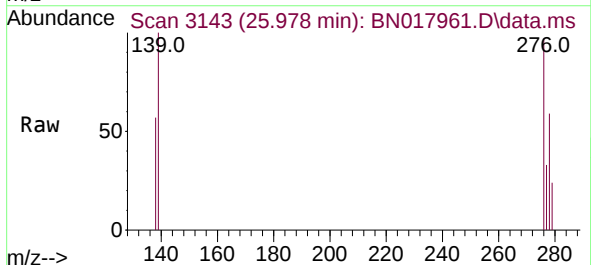
Instrument :
 BNA_N
 ClientSampleId :
 FB02-20211207



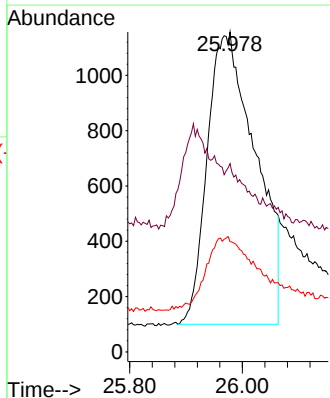
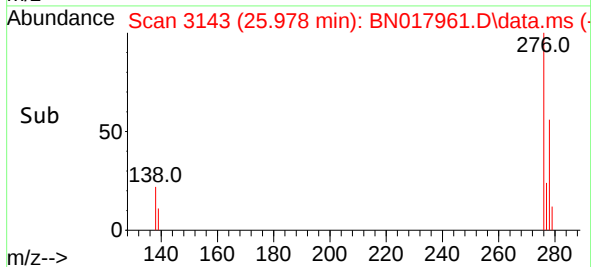
Tgt Ion:264 Resp: 81954
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.2 30.4
 265 22.8 18.2 27.4

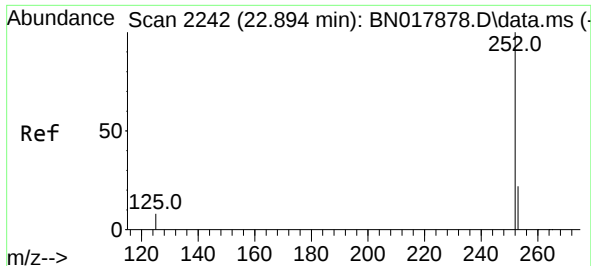


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.125 ng
 RT: 25.978 min Scan# 3143
 Delta R.T. 0.017 min
 Lab File: BN017961.D
 Acq: 13 Dec 2021 05:18



Tgt Ion:276 Resp: 6260
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 8.6 19.8 29.6#

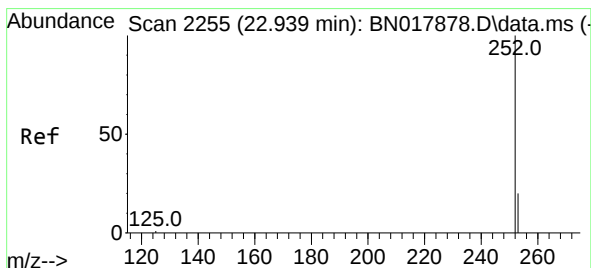
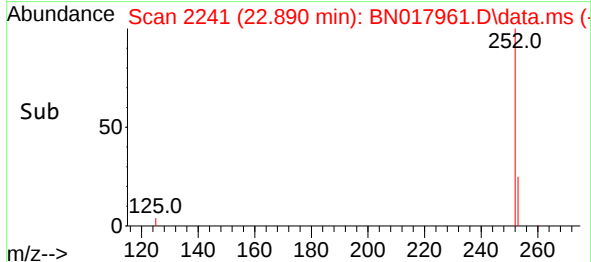
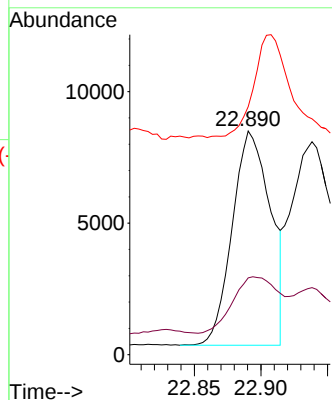
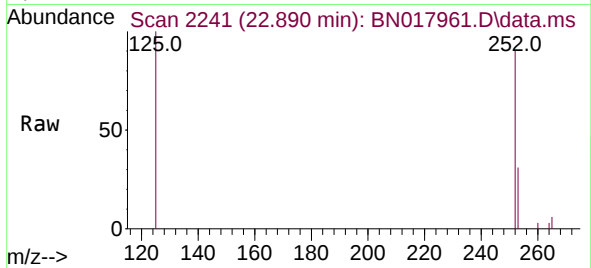




#37
Benzo(b)fluoranthene
Concen: 0.060 ng
RT: 22.890 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

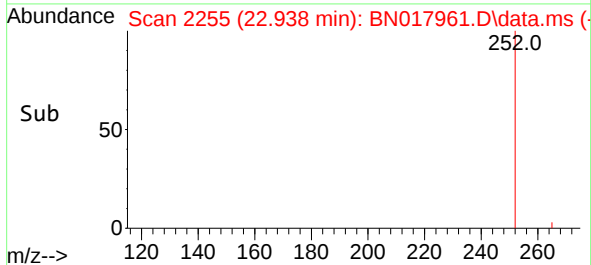
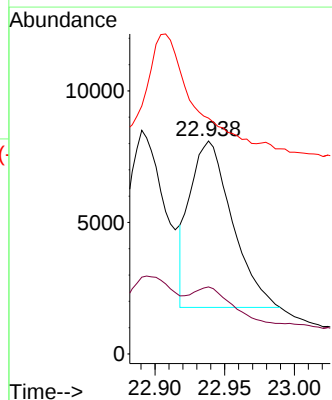
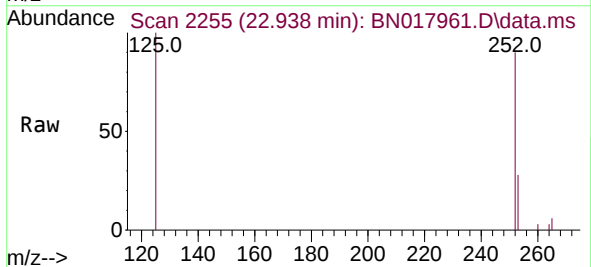
Instrument :
BNA_N
ClientSampleId :
FB02-20211207

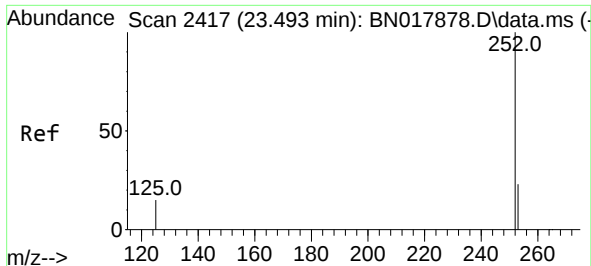
Tgt Ion:252 Resp: 16294
Ion Ratio Lower Upper
252 100
253 34.3 17.9 26.9#
125 110.9 6.8 10.2#



#38
Benzo(k)fluoranthene
Concen: 0.050 ng
RT: 22.938 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

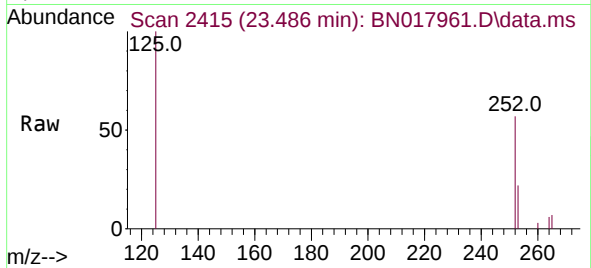
Tgt Ion:252 Resp: 13256
Ion Ratio Lower Upper
252 100
253 31.5 17.8 26.6#
125 110.7 6.1 9.1#



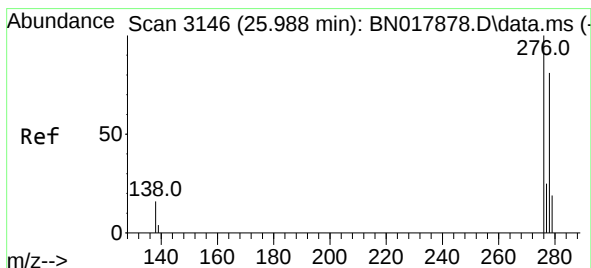
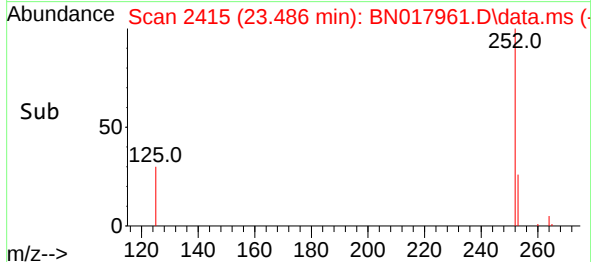
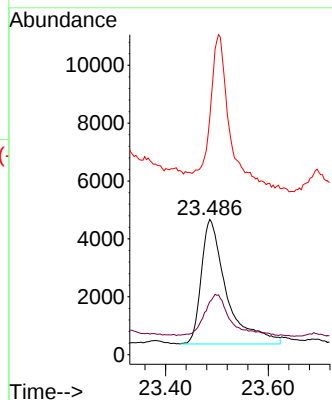


#39
Benzo(a)pyrene
Concen: 0.061 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Instrument :
BNA_N
ClientSampleId :
FB02-20211207

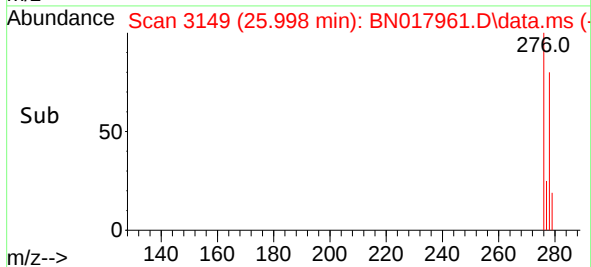
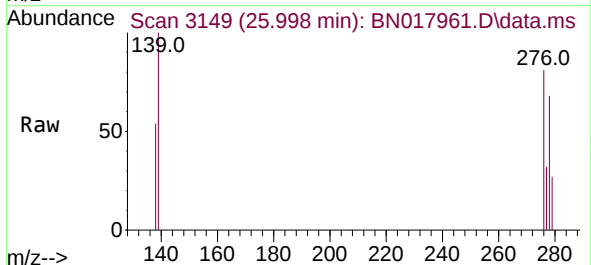
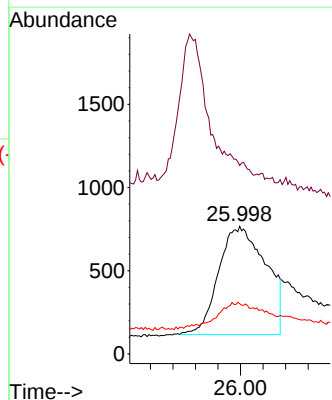


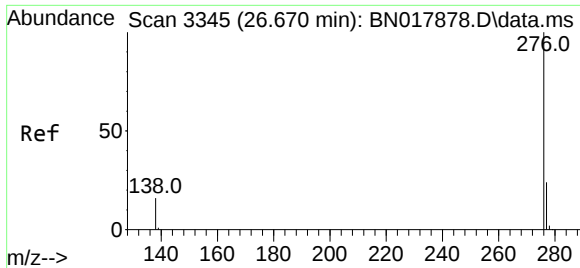
Tgt Ion:252 Resp: 14711
Ion Ratio Lower Upper
252 100
253 39.3 18.8 28.2#
125 175.5 12.2 18.2#



#40
Dibenzo(a,h)anthracene
Concen: 0.133 ng
RT: 25.998 min Scan# 3149
Delta R.T. 0.010 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion:278 Resp: 3786
Ion Ratio Lower Upper
278 100
139 147.7 12.0 18.0#
279 39.4 20.8 31.2#





#41

Benzo(g,h,i)perylene

Concen: 0.056 ng

RT: 26.676 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN017961.D

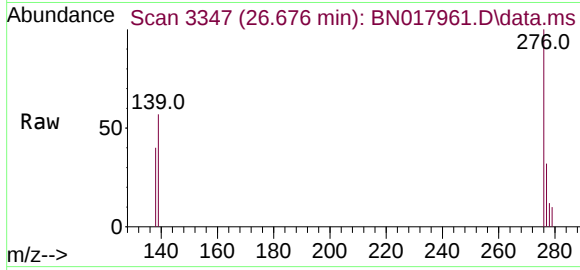
Acq: 13 Dec 2021 05:18

Instrument :

BNA_N

ClientSampleId :

FB02-20211207



Tgt Ion:276 Resp: 7347

Ion Ratio Lower Upper

276 100

277 32.0 19.6 29.4#

138 40.2 13.8 20.8#

