

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017942.D
 Acq On : 12 Dec 2021 16:05
 Operator : CG/JU
 Sample : M4988-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 FB01-20211207

Quant Time: Dec 13 00:40:34 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)

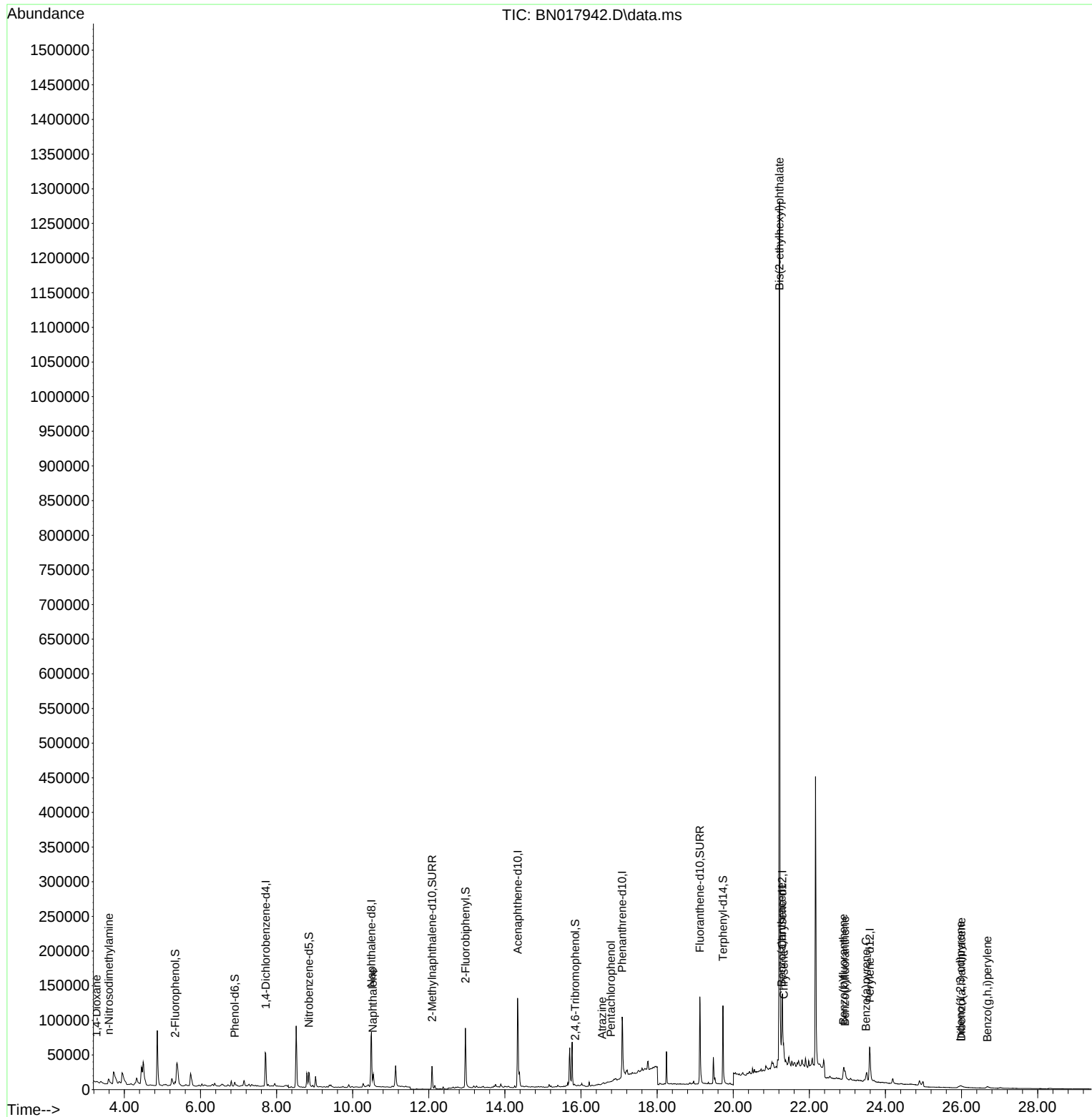
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.714	152	29716	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	129089	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	83160	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	158677	0.400	ng	#-0.01
29) Chrysene-d12	21.293	240	116362	0.400	ng	# 0.00
35) Perylene-d12	23.585	264	87349	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	5673	0.093	ng	0.00
5) Phenol-d6	6.903	99	3958	0.065	ng	0.00
8) Nitrobenzene-d5	8.846	82	22647	0.269	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	51564	0.227	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	252	0.338	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	81235	0.278	ng	0.00
27) Fluoranthene-d10	19.124	212	169908	0.330	ng	0.00
31) Terphenyl-d14	19.730	244	139449	0.486	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	877	0.097	ng	# 88
3) n-Nitrosodimethylamine	3.593	42	1398	0.051	ng	# 1
9) Naphthalene	10.532	128	14365	0.045	ng	97
20) 4,6-Dinitro-2-methylph...	15.463	198	14	Below Cal	#	17
23) Atrazine	16.557	200	336	0.096	ng	# 46
24) Pentachlorophenol	16.788	266	70	0.112	ng	# 17
32) Benzo(a)anthracene	21.272	228	21194	0.107	ng	# 88
33) Chrysene	21.325	228	24075	0.063	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.218	149	1354636	10.844	ng	98
36) Indeno(1,2,3-cd)pyrene	25.968	276	7072	0.127	ng	# 81
37) Benzo(b)fluoranthene	22.894	252	18674	0.065	ng	# 1
38) Benzo(k)fluoranthene	22.938	252	14794	0.053	ng	# 1
39) Benzo(a)pyrene	23.486	252	16271	0.063	ng	# 1
40) Dibenzo(a,h)anthracene	25.992	278	4433	0.136	ng	# 1
41) Benzo(g,h,i)perylene	26.680	276	8316	0.060	ng	# 65

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

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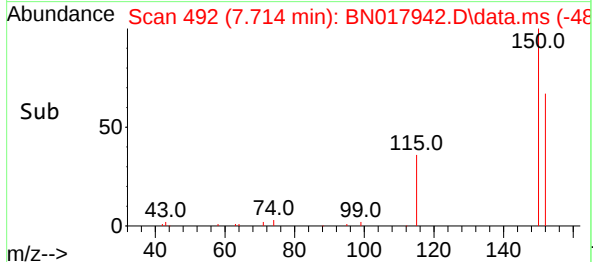
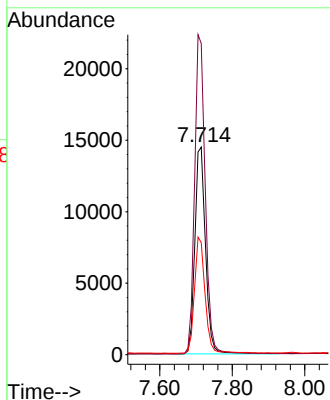
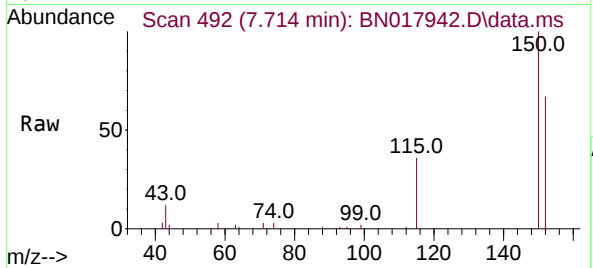




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.714 min Scan# 492
 Delta R.T. -0.001 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

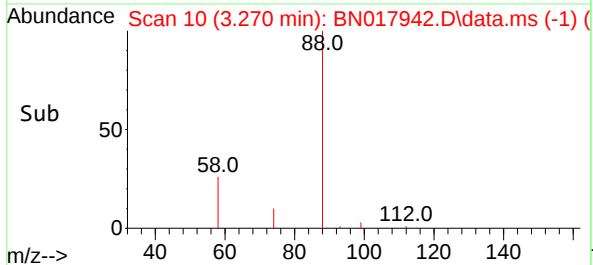
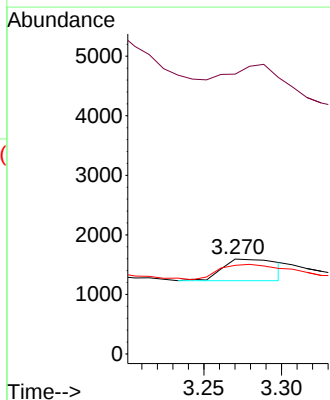
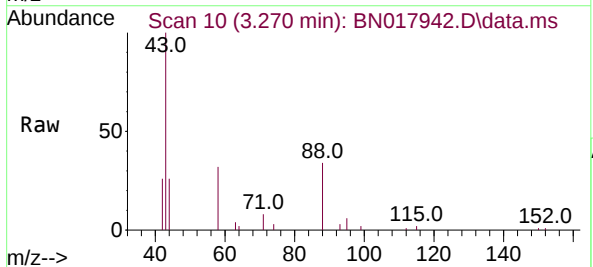
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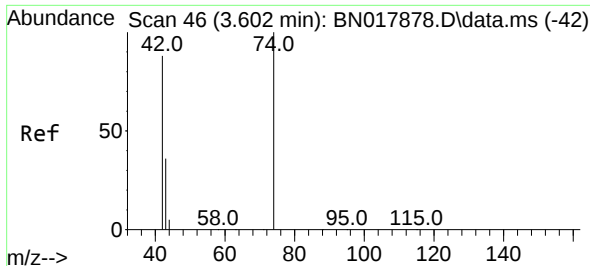
Tgt Ion:152 Resp: 29716
 Ion Ratio Lower Upper
 152 100
 150 149.9 121.9 182.9
 115 54.1 44.1 66.1



#2
 1,4-Dioxane
 Concen: 0.097 ng
 RT: 3.270 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

Tgt Ion: 88 Resp: 877
 Ion Ratio Lower Upper
 88 100
 43 45.6 28.0 42.0#
 58 73.5 65.4 98.0

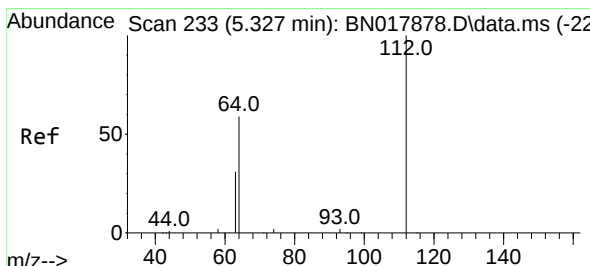
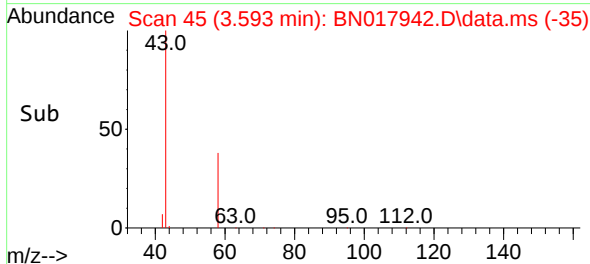
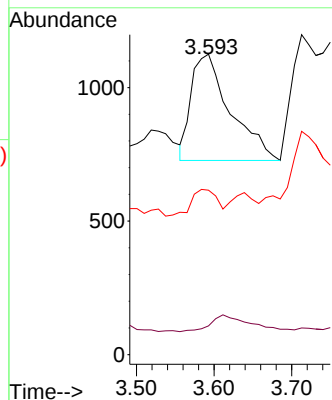
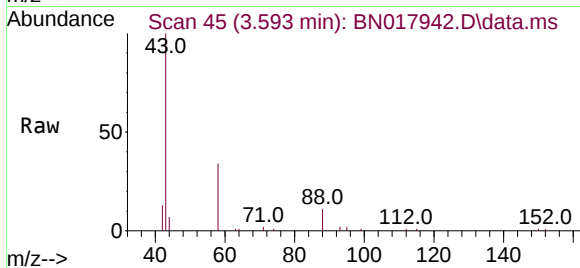




#3
 n-Nitrosodimethylamine
 Concen: 0.051 ng
 RT: 3.593 min Scan# 41
 Delta R.T. -0.009 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

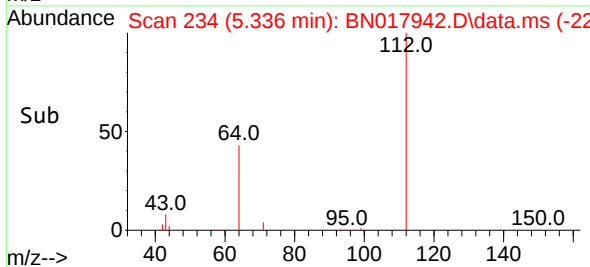
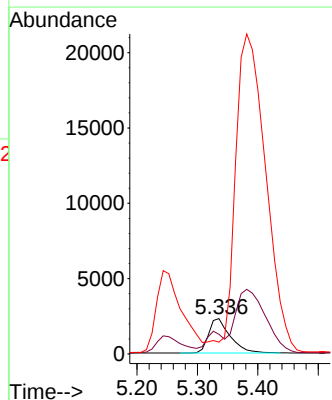
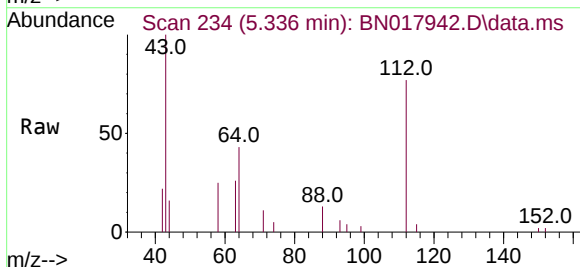
Instrument :
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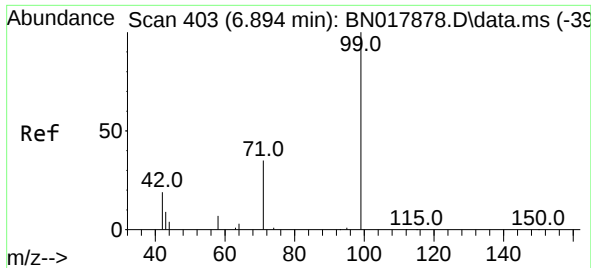
Tgt Ion: 42 Resp: 1398
 Ion Ratio Lower Upper
 42 100
 74 0.0 100.6 150.8#
 44 15.0 5.2 7.8#



#4
 2-Fluorophenol
 Concen: 0.093 ng
 RT: 5.336 min Scan# 234
 Delta R.T. 0.009 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

Tgt Ion: 112 Resp: 5673
 Ion Ratio Lower Upper
 112 100
 64 34.7 49.0 73.4#
 63 0.0 26.2 39.2#

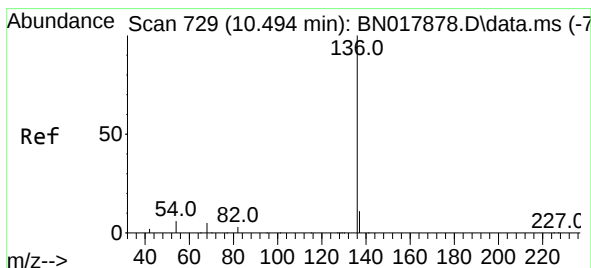
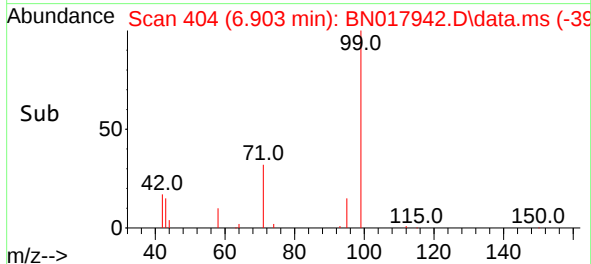
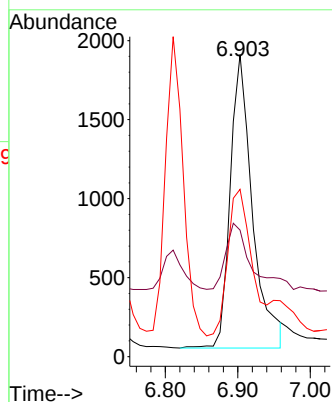
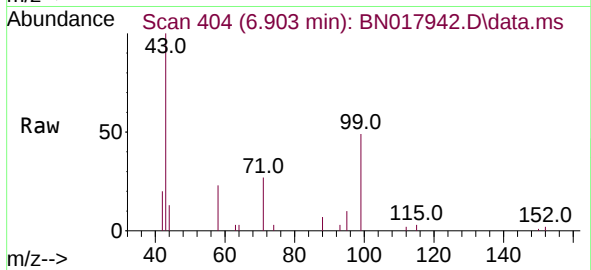




#5
Phenol-d6
Concen: 0.065 ng
RT: 6.903 min Scan# 403
Delta R.T. 0.009 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

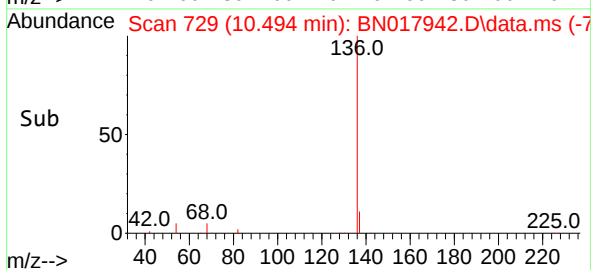
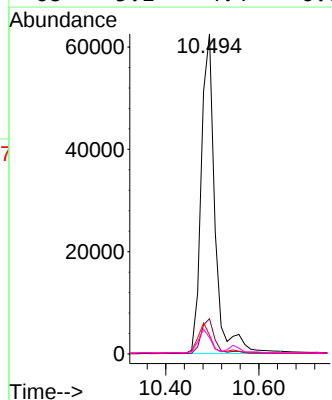
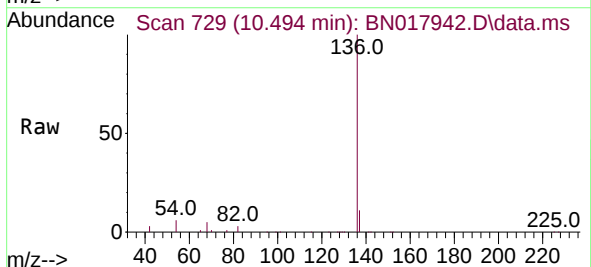
Instrument :
BNA_N
ClientSampleId :
FB01-20211207

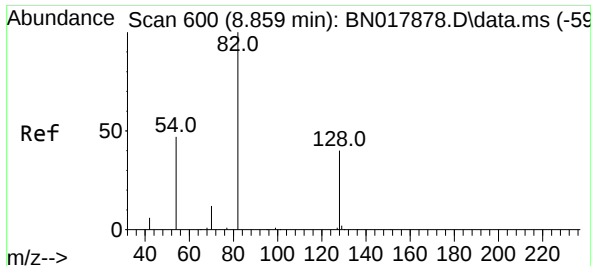
Tgt Ion: 99 Resp: 3958
Ion Ratio Lower Upper
99 100
42 24.4 17.0 25.4
71 54.0 28.0 42.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

Tgt Ion: 136 Resp: 129089
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.9 5.1 7.7
68 5.1 4.4 6.6

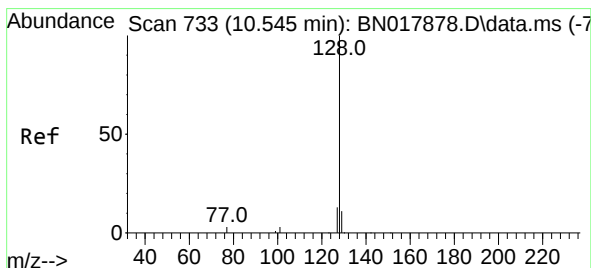
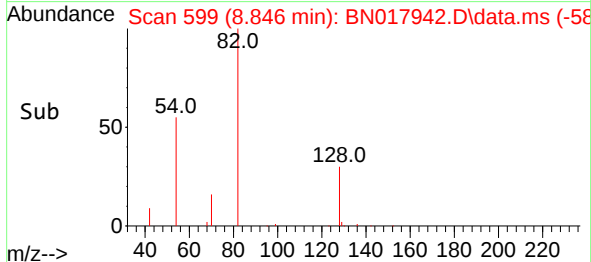
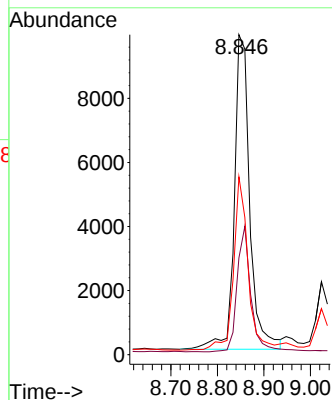
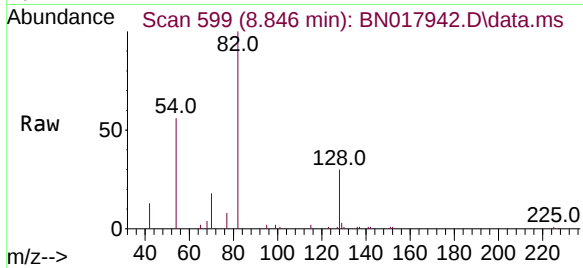




#8
 Nitrobenzene-d5
 Concen: 0.269 ng
 RT: 8.846 min Scan# 51
 Delta R.T. -0.013 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

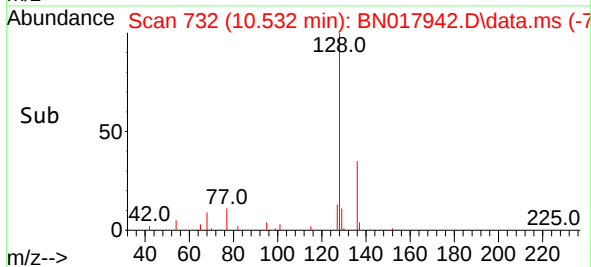
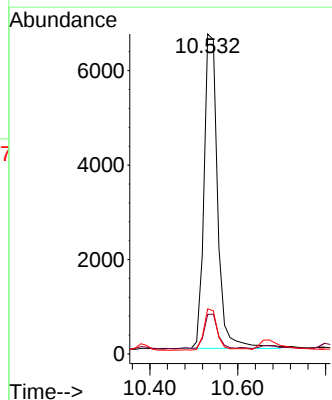
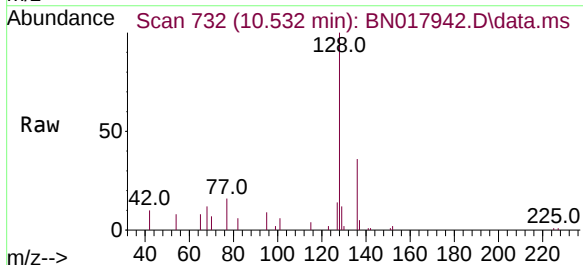
Instrument :
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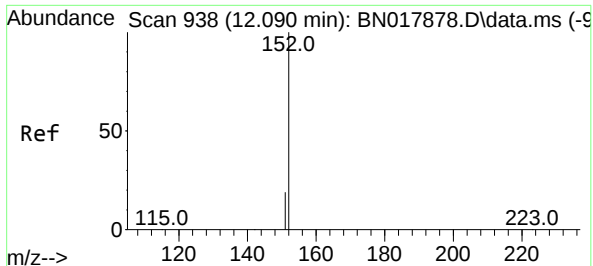
Tgt Ion: 82 Resp: 22647
 Ion Ratio Lower Upper
 82 100
 128 30.3 32.2 48.4#
 54 55.6 37.6 56.4



#9
 Naphthalene
 Concen: 0.045 ng
 RT: 10.532 min Scan# 732
 Delta R.T. -0.013 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

Tgt Ion: 128 Resp: 14365
 Ion Ratio Lower Upper
 128 100
 129 12.4 8.8 13.2
 127 14.1 10.5 15.7





#11

2-Methylnaphthalene-d10

Concen: 0.227 ng

RT: 12.085 min Scan# 91

Delta R.T. -0.005 min

Lab File: BN017942.D

Acq: 12 Dec 2021 16:05

Instrument :

BNA_N

ClientSampleId :

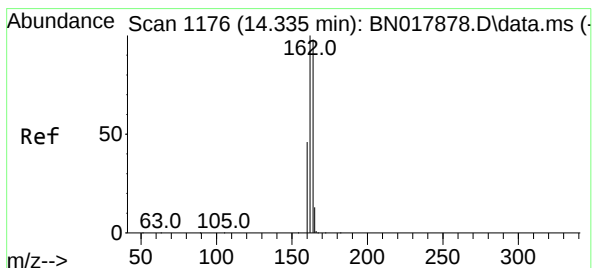
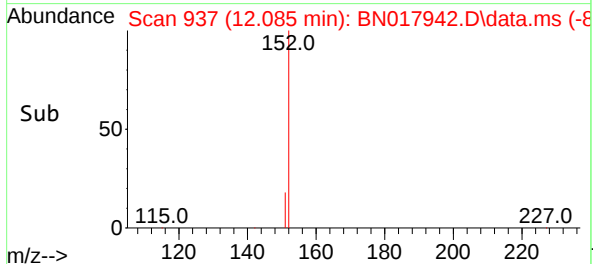
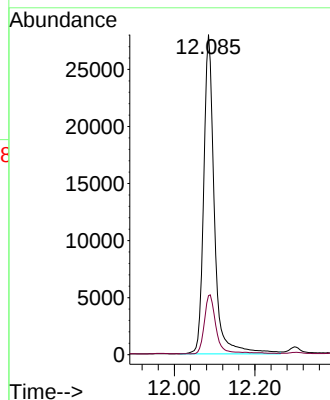
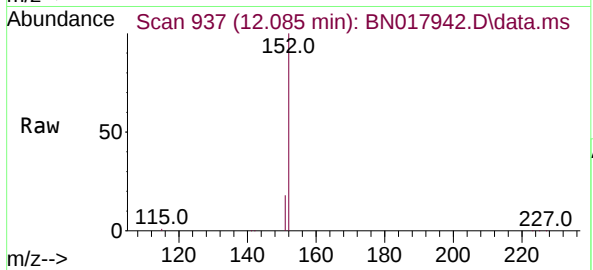
FB01-20211207

Tgt Ion:152 Resp: 51564

Ion Ratio Lower Upper

152 100

151 19.8 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: BN017942.D

Acq: 12 Dec 2021 16:05

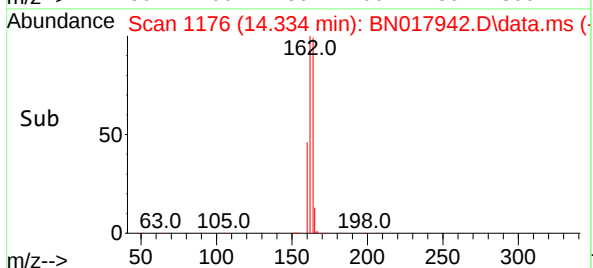
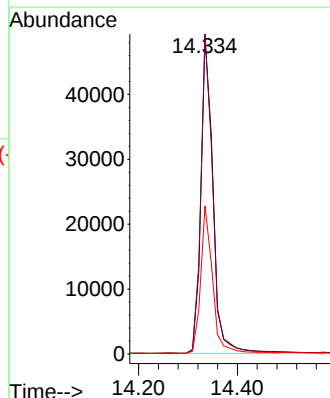
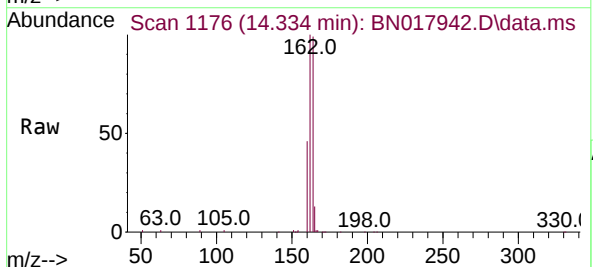
Tgt Ion:164 Resp: 83160

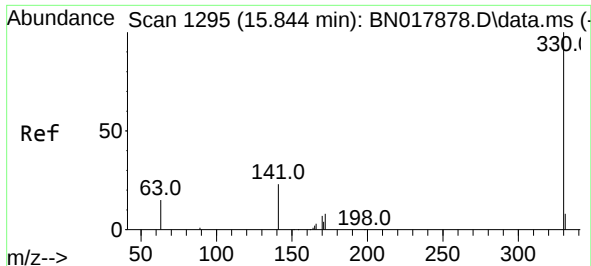
Ion Ratio Lower Upper

164 100

162 101.1 82.1 123.1

160 46.7 38.2 57.2

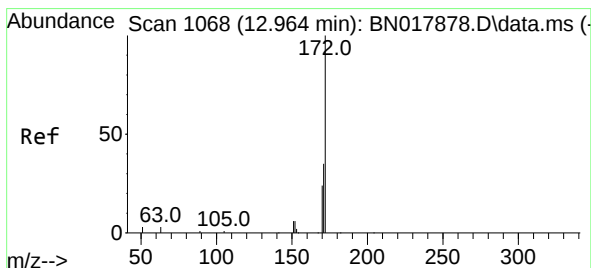
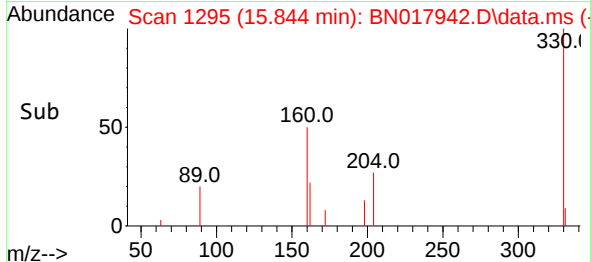
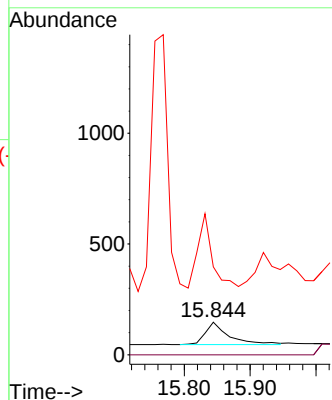
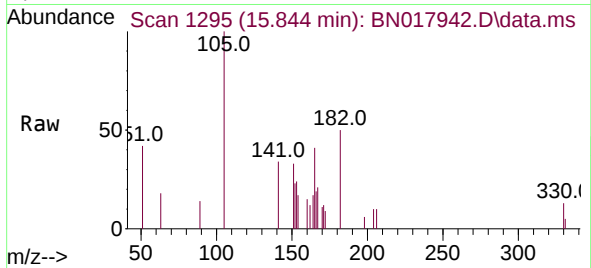




#14
2,4,6-Tribromophenol
Concen: 0.338 ng
RT: 15.844 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

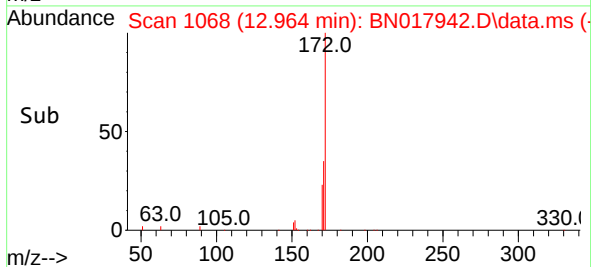
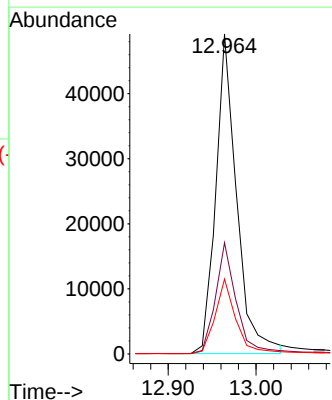
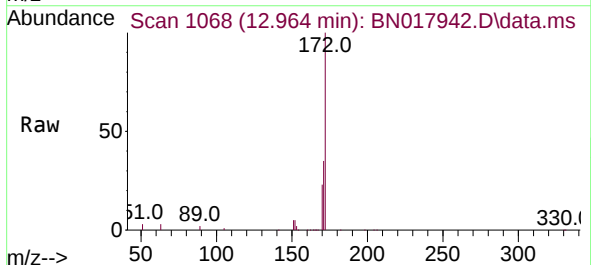
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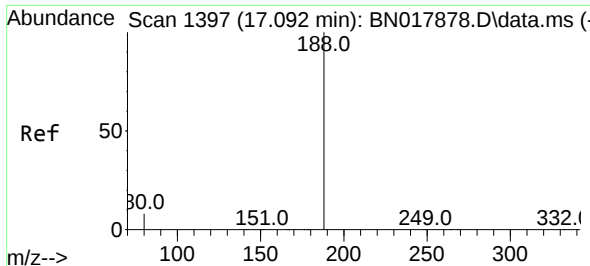
Tgt Ion:330 Resp: 252
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 201.6 19.7 29.5#



#15
2-Fluorobiphenyl
Concen: 0.278 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

Tgt Ion:172 Resp: 81235
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.4 19.1 28.7

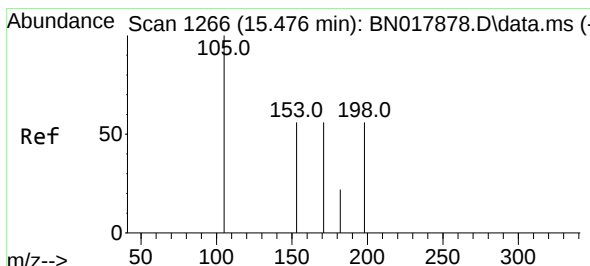
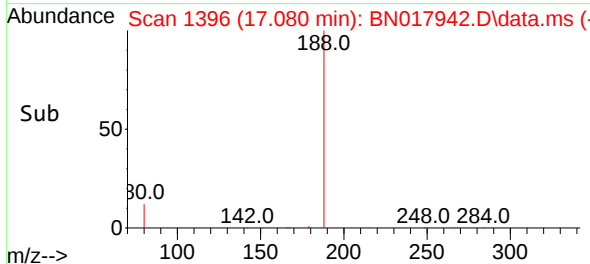
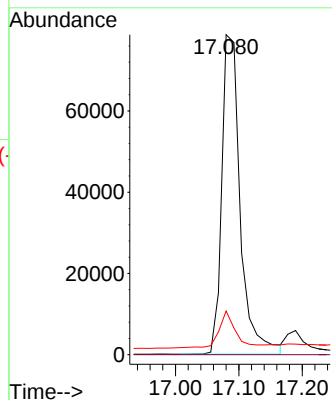
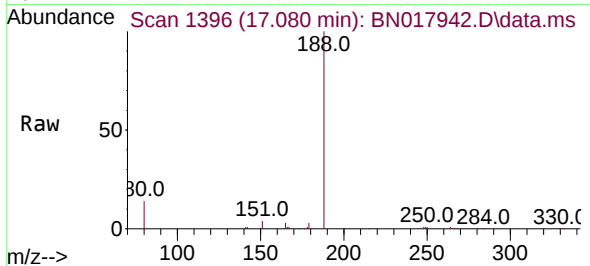




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

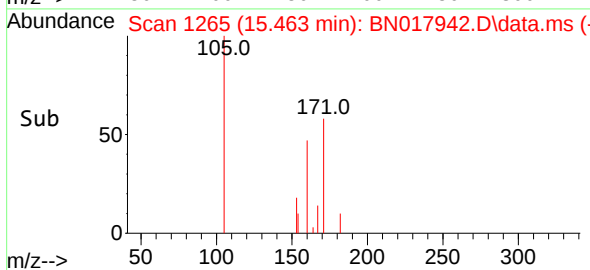
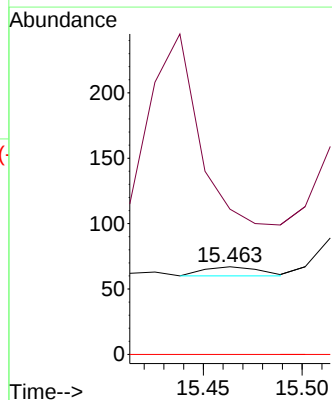
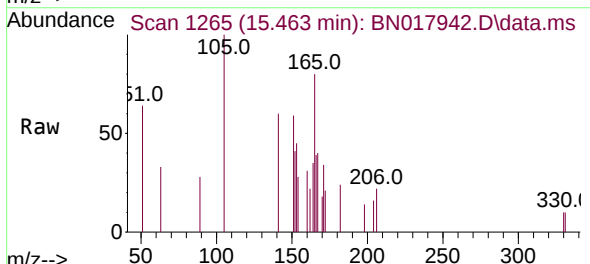
Instrument :
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FB01-20211207

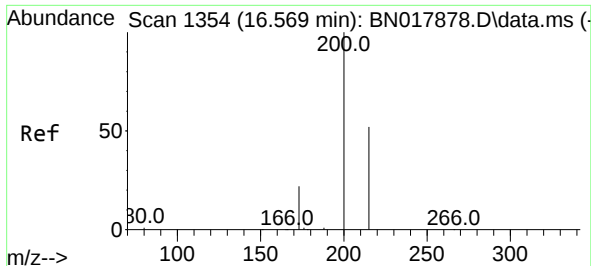
Tgt Ion:188 Resp: 158677
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.7 6.2 9.2#



#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.463 min Scan# 1265
Delta R.T. -0.013 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

Tgt Ion:198 Resp: 14
Ion Ratio Lower Upper
198 100
182 165.7 70.8 106.2#
77 0.0 0.0 0.0

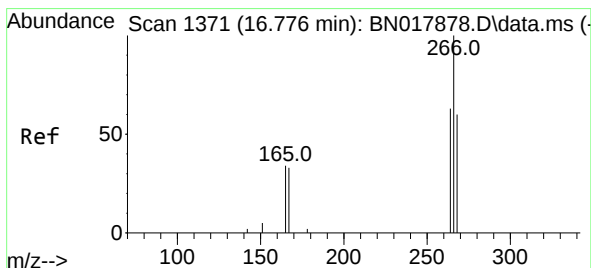
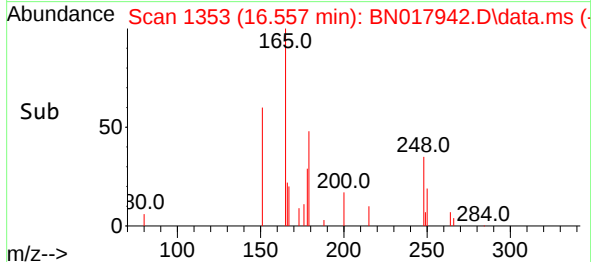
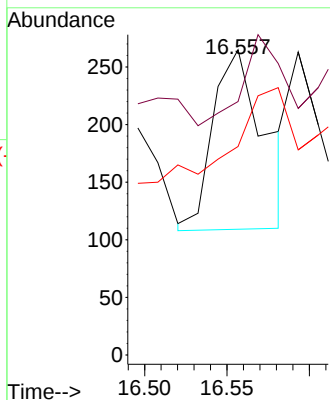
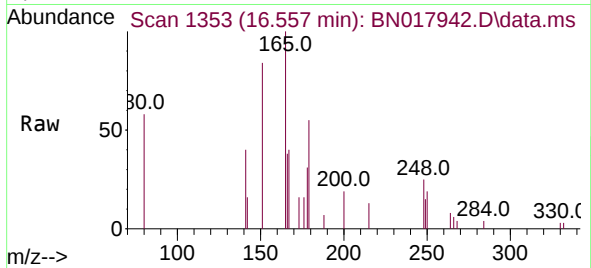




#23
 Atrazine
 Concen: 0.096 ng
 RT: 16.557 min Scan# 1353
 Delta R.T. -0.012 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

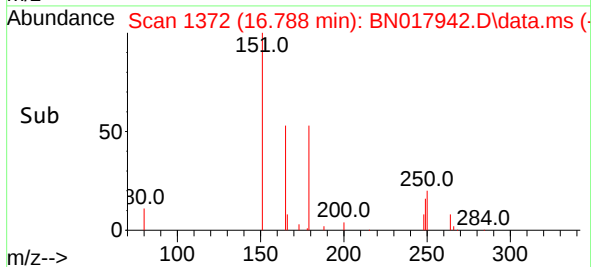
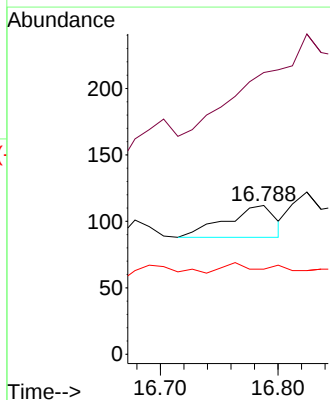
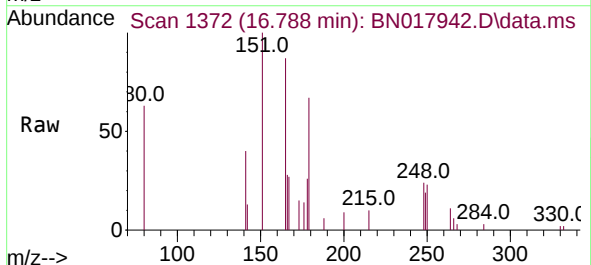
Instrument :
 BNA_N
 ClientSampleId :
 FB01-20211207

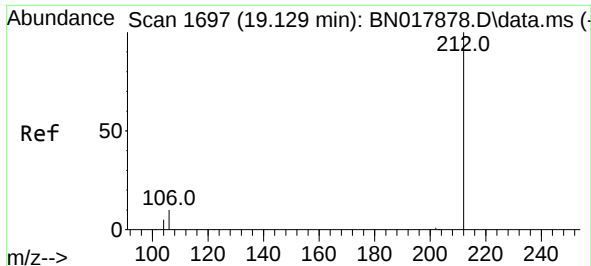
Tgt Ion:200 Resp: 336
 Ion Ratio Lower Upper
 200 100
 173 83.0 18.2 27.2#
 215 68.3 41.8 62.8#



#24
 Pentachlorophenol
 Concen: 0.112 ng
 RT: 16.788 min Scan# 1372
 Delta R.T. 0.012 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

Tgt Ion:266 Resp: 70
 Ion Ratio Lower Upper
 266 100
 264 0.0 50.6 76.0#
 268 0.0 53.7 80.5#

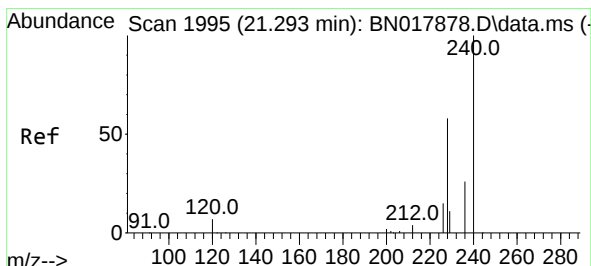
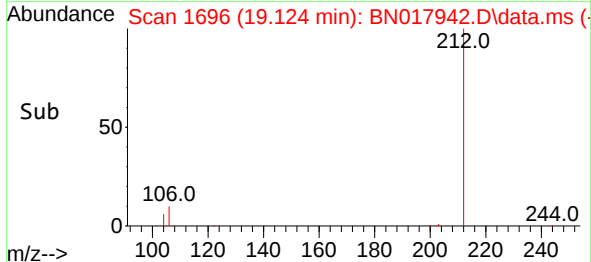
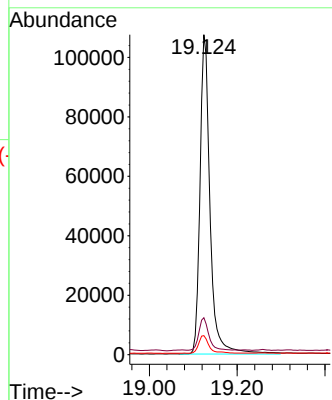
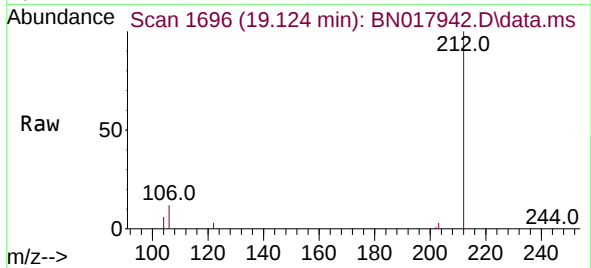




#27
Fluoranthene-d10
Concen: 0.330 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

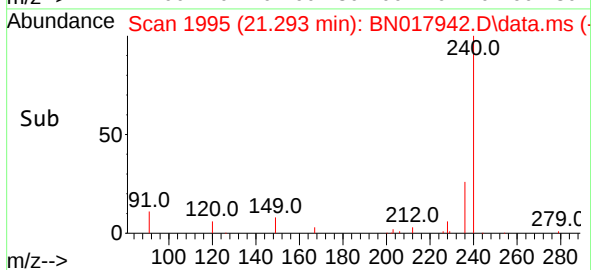
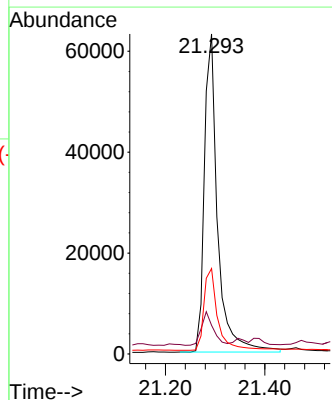
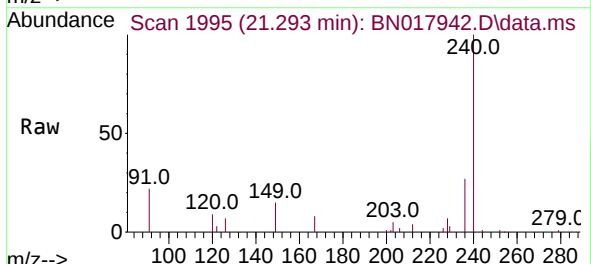
Instrument :
BNA_N
ClientSampleId :
FB01-20211207

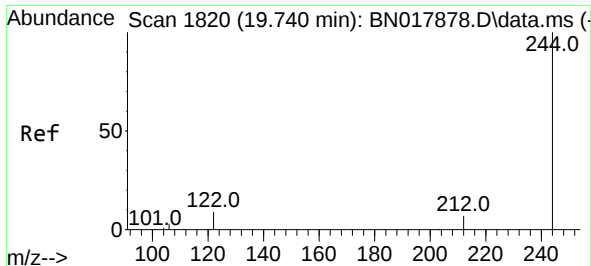
Tgt Ion:212 Resp: 169908
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.8 4.6 6.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

Tgt Ion:240 Resp: 116362
Ion Ratio Lower Upper
240 100
120 8.9 5.8 8.8#
236 26.7 21.0 31.6

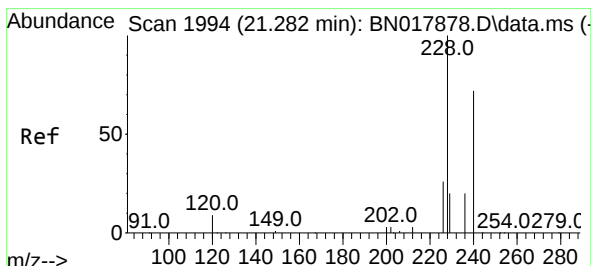
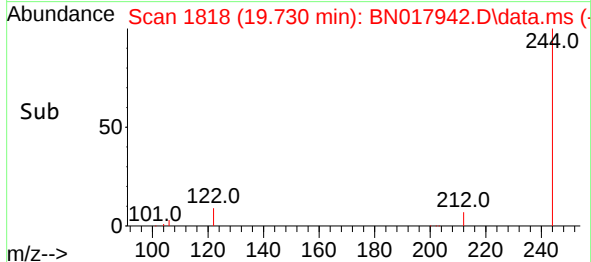
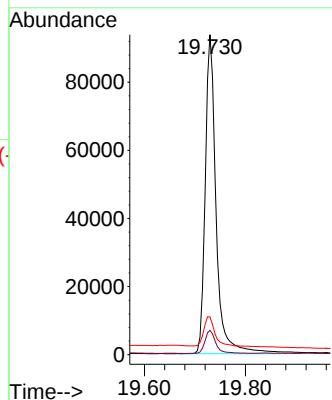
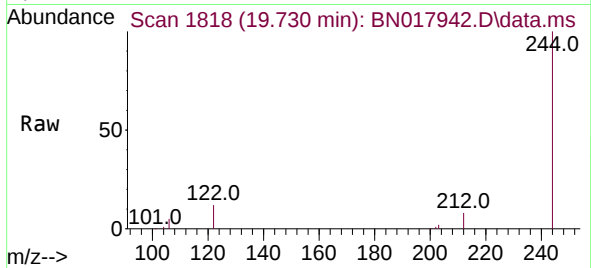




#31
 Terphenyl-d14
 Concen: 0.486 ng
 RT: 19.730 min Scan# 1818
 Delta R.T. -0.010 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

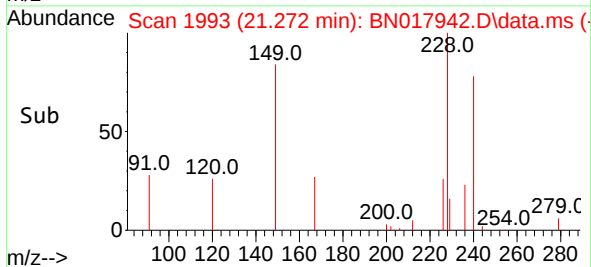
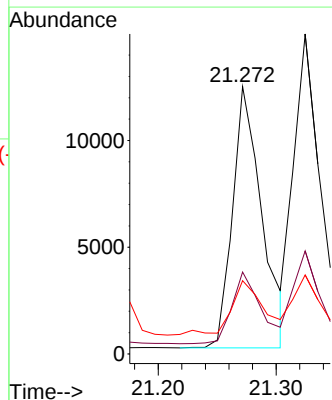
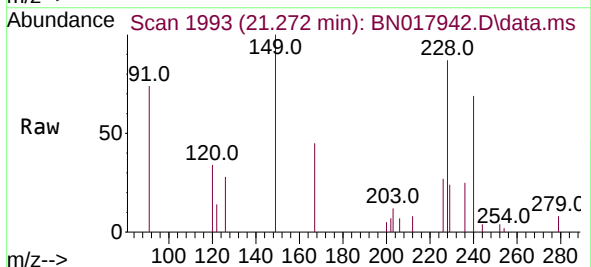
Instrument :
 BNA_N
 ClientSampleId :
 FB01-20211207

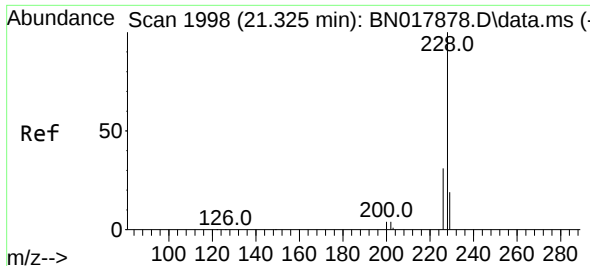
Tgt Ion:244 Resp: 139449
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 11.8 7.5 11.3#



#32
 Benzo(a)anthracene
 Concen: 0.107 ng
 RT: 21.272 min Scan# 1993
 Delta R.T. -0.011 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

Tgt Ion:228 Resp: 21194
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.0 31.4
 229 27.4 15.8 23.8#

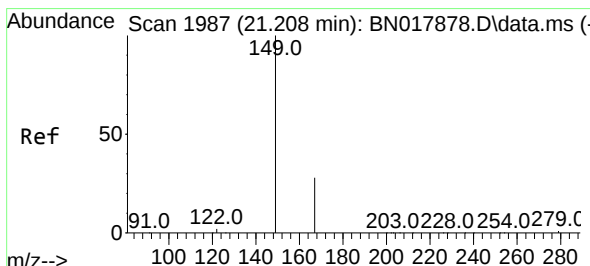
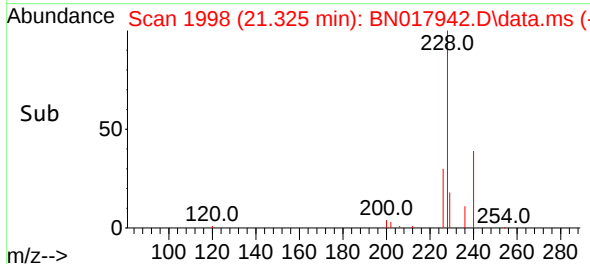
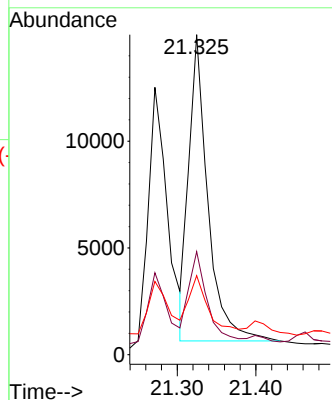
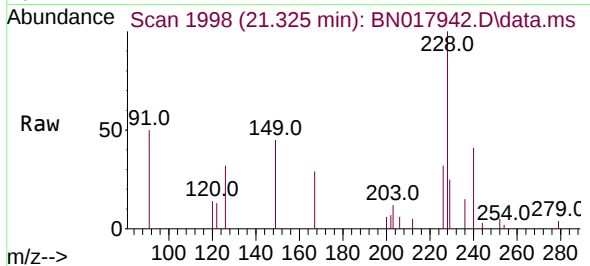




#33
Chrysene
Concen: 0.063 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

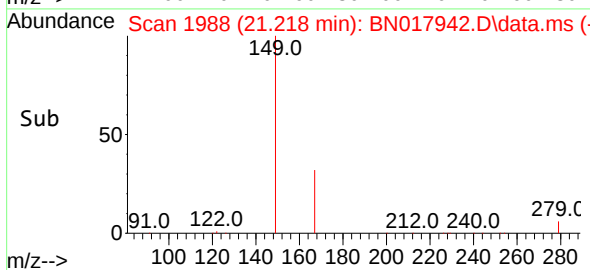
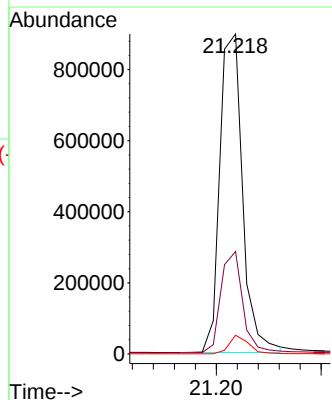
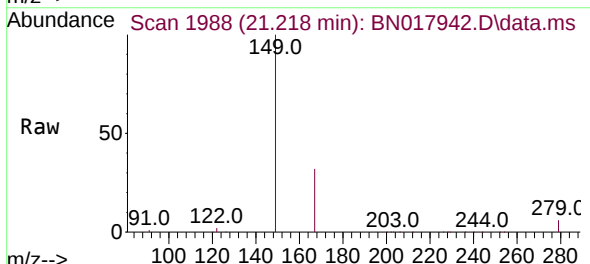
Instrument :
BNA_N
ClientSampleId :
FB01-20211207

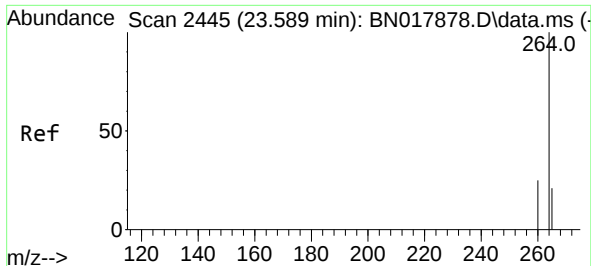
Tgt Ion:228 Resp: 24075
Ion Ratio Lower Upper
228 100
226 32.2 23.8 35.8
229 24.7 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 10.844 ng
RT: 21.218 min Scan# 1988
Delta R.T. 0.010 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

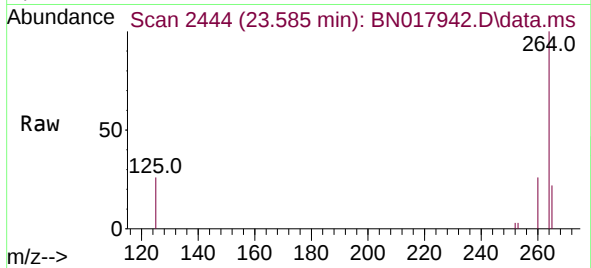
Tgt Ion:149 Resp: 1354636
Ion Ratio Lower Upper
149 100
167 30.6 23.4 35.0
279 5.0 3.6 5.4



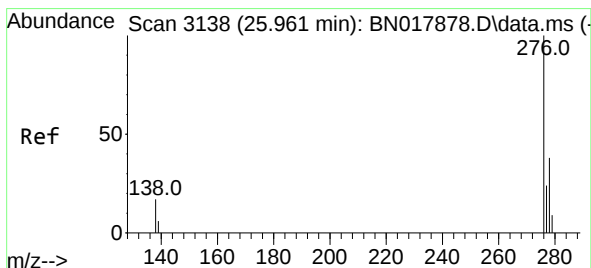
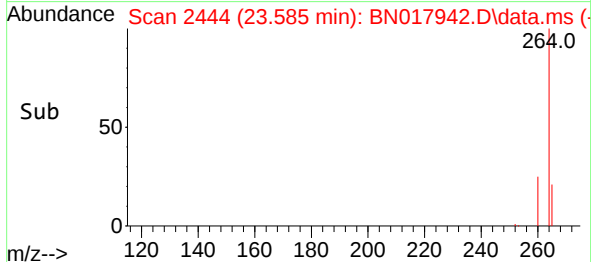
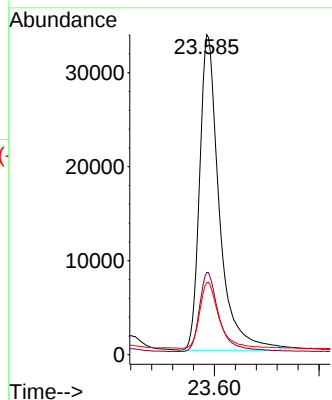


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.585 min Scan# 2444
 Delta R.T. -0.004 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

Instrument :
 BNA_N
 ClientSampleId :
 FB01-20211207

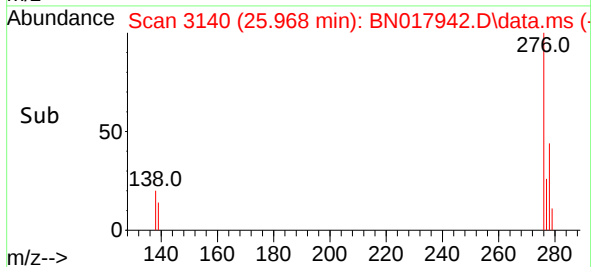
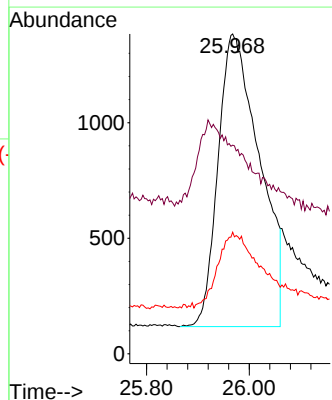
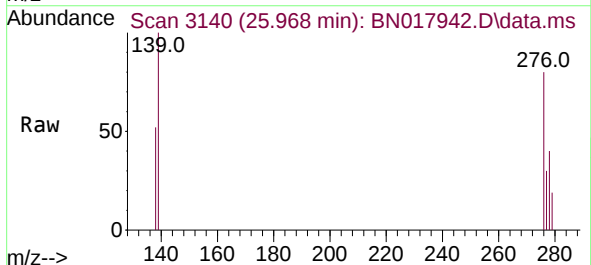


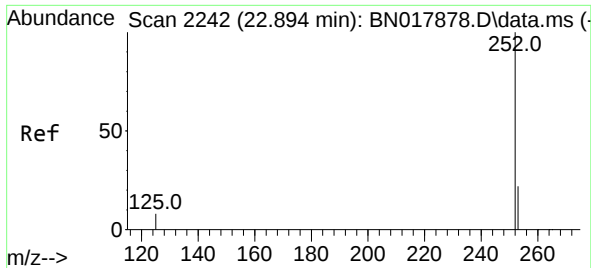
Tgt Ion:264 Resp: 87349
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.2 30.4
 265 22.5 18.2 27.4



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.127 ng
 RT: 25.968 min Scan# 3140
 Delta R.T. 0.007 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

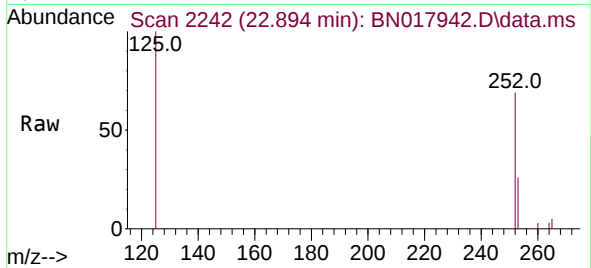
Tgt Ion:276 Resp: 7072
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 25.5 19.8 29.6



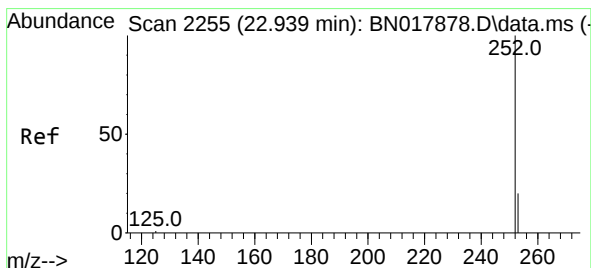
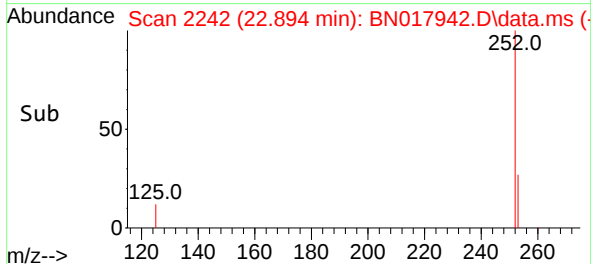
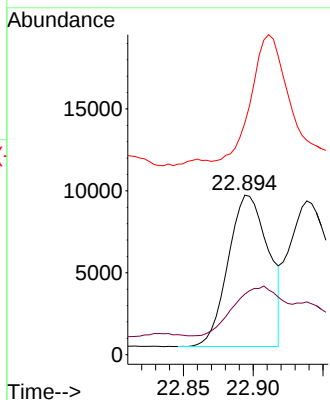


#37
Benzo(b)fluoranthene
Concen: 0.065 ng
RT: 22.894 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

Instrument :
BNA_N
ClientSampleId :
FB01-20211207

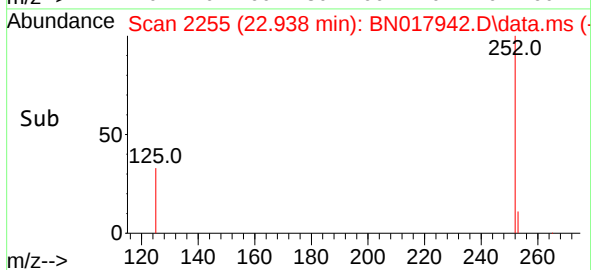
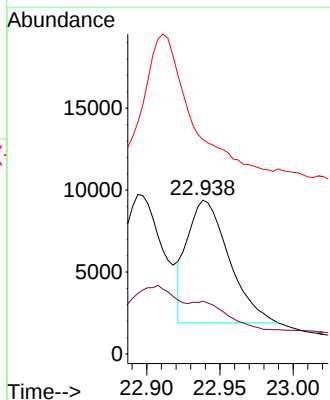
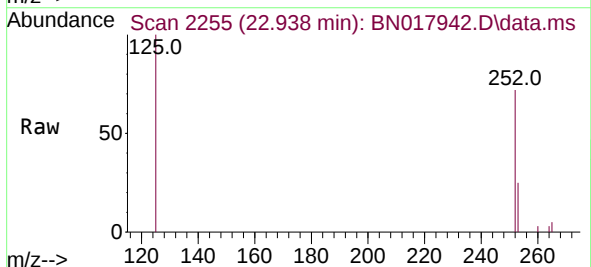


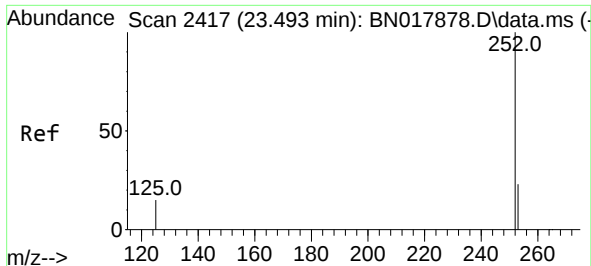
Tgt Ion:252 Resp: 18674
Ion Ratio Lower Upper
252 100
253 37.9 17.9 26.9#
125 145.1 6.8 10.2#



#38
Benzo(k)fluoranthene
Concen: 0.053 ng
RT: 22.938 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

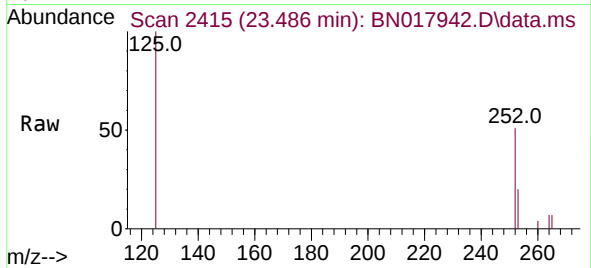
Tgt Ion:252 Resp: 14794
Ion Ratio Lower Upper
252 100
253 34.3 17.8 26.6#
125 139.4 6.1 9.1#



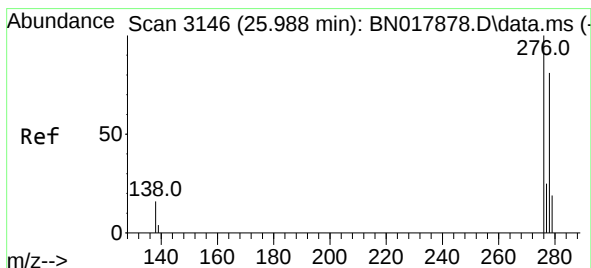
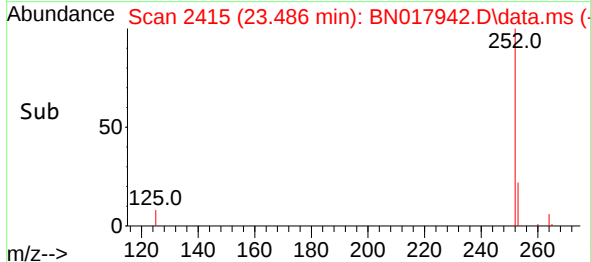
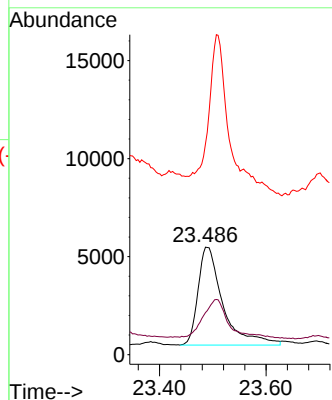


#39
Benzo(a)pyrene
Concen: 0.063 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

Instrument :
BNA_N
ClientSampleId :
FB01-20211207

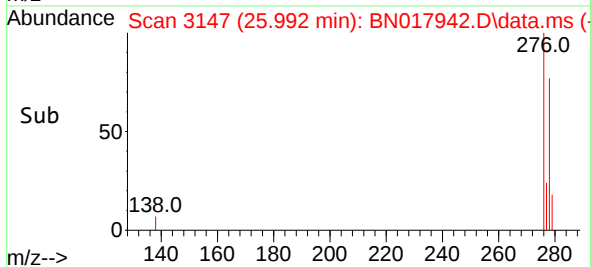
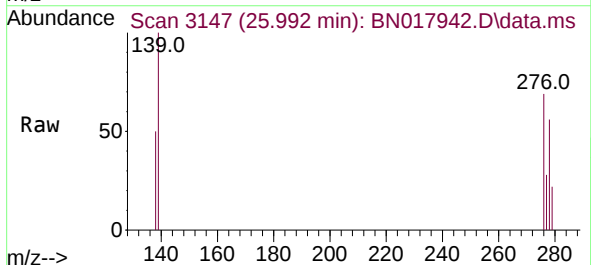
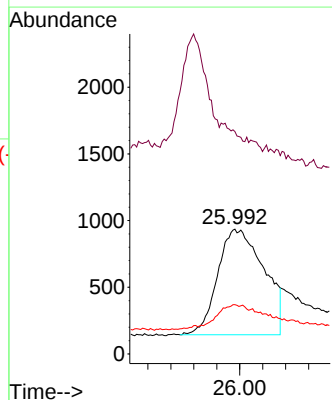


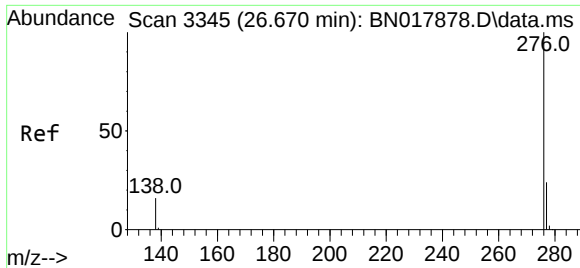
Tgt Ion:252 Resp: 16271
Ion Ratio Lower Upper
252 100
253 39.1 18.8 28.2#
125 196.1 12.2 18.2#



#40
Dibenzo(a,h)anthracene
Concen: 0.136 ng
RT: 25.992 min Scan# 3147
Delta R.T. 0.004 min
Lab File: BN017942.D
Acq: 12 Dec 2021 16:05

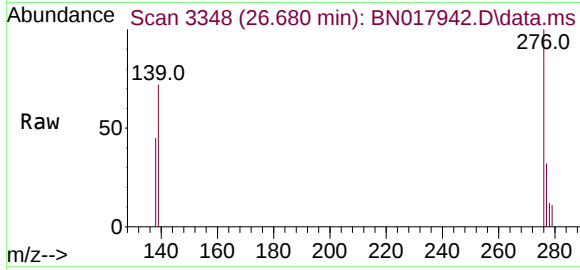
Tgt Ion:278 Resp: 4433
Ion Ratio Lower Upper
278 100
139 178.1 12.0 18.0#
279 39.4 20.8 31.2#





#41
 Benzo(g,h,i)perylene
 Concen: 0.060 ng
 RT: 26.680 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: BN017942.D
 Acq: 12 Dec 2021 16:05

Instrument :
 BNA_N
 ClientSampleId :
 FB01-20211207



Tgt Ion:276 Resp: 8316
 Ion Ratio Lower Upper
 276 100
 277 32.2 19.6 29.4#
 138 44.7 13.8 20.8#

