

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017647.D
 Acq On : 01 Dec 2021 12:46
 Operator : CG/JU
 Sample : M4862-01DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-1BDL

Quant Time: Dec 01 13:17:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 30 18:26:44 2021
 Response via : Initial Calibration

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

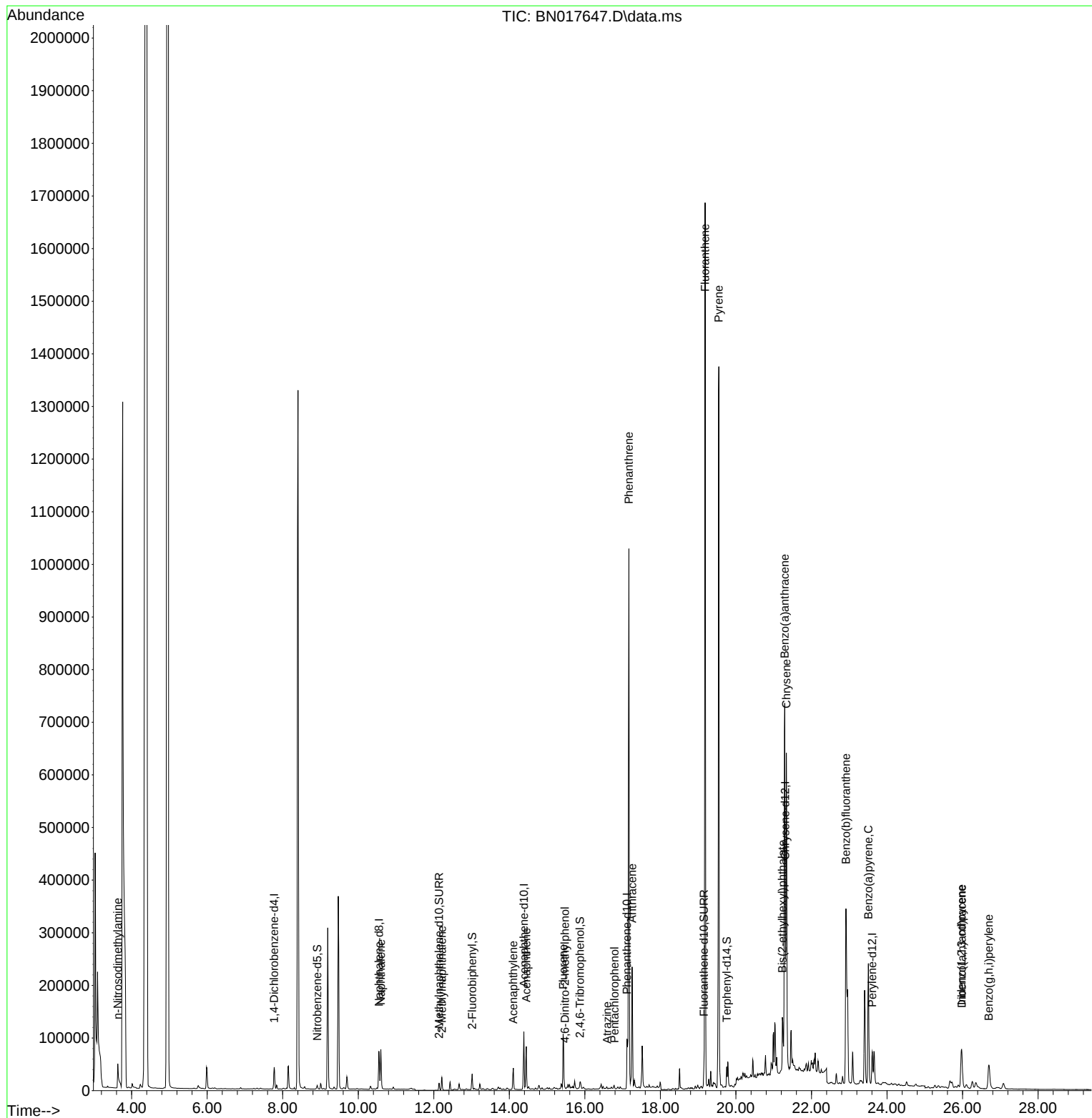
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	23267	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	97575	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	62787	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	138296	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	132134	0.400	ng	#-0.01
35) Perylene-d12	23.609	264	83294	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	111	0.002	ng	0.03
5) Phenol-d6	6.952	99	150	0.003	ng	0.00
8) Nitrobenzene-d5	8.913	82	5869	0.142	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	19831	0.116	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	50	0.126	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	26044	0.107	ng	0.00
27) Fluoranthene-d10	19.154	212	54598	0.126	ng	0.00
31) Terphenyl-d14	19.754	244	39408	0.136	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.633	42	18008	0.825	ng	# 1
9) Naphthalene	10.598	128	98551	0.400	ng	100
12) 2-Methylnaphthalene	12.213	142	18280	0.113	ng	98
16) Acenaphthylene	14.105	152	47451	0.194	ng	99
17) Acenaphthene	14.448	154	43249	0.255	ng	98
18) Fluorene	15.425	166	79971	0.389	ng	99
20) 4,6-Dinitro-2-methylph...	15.475	198	83	0.070	ng	# 1
23) Atrazine	16.593	200	73	0.132	ng	# 1
24) Pentachlorophenol	16.788	266	42	0.193	ng	# 50
25) Phenanthrene	17.165	178	1079144	2.845	ng	100
26) Anthracene	17.250	178	253792	0.779	ng	# 95
28) Fluoranthene	19.183	202	1569759	3.657	ng	97
30) Pyrene	19.546	202	1278319	2.997	ng	# 95
32) Benzo(a)anthracene	21.293	228	696098	1.734	ng	97
33) Chrysene	21.335	228	567288	1.299	ng	96
34) Bis(2-ethylhexyl)phtha...	21.229	149	111618	1.172	ng	96
36) Indeno(1,2,3-cd)pyrene	25.971	276	128319	0.474	ng	# 92
37) Benzo(b)fluoranthene	22.914	252	567778	2.056	ng	98
39) Benzo(a)pyrene	23.506	252	332841	1.346	ng	98
40) Dibenzo(a,h)anthracene	25.981	278	32103	0.145	ng	# 83
41) Benzo(g,h,i)perylene	26.696	276	109698	0.482	ng	95

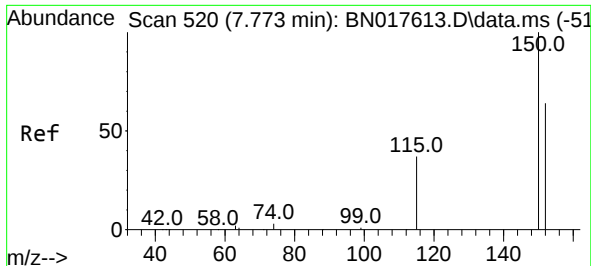
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017647.D
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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CS-1BDL

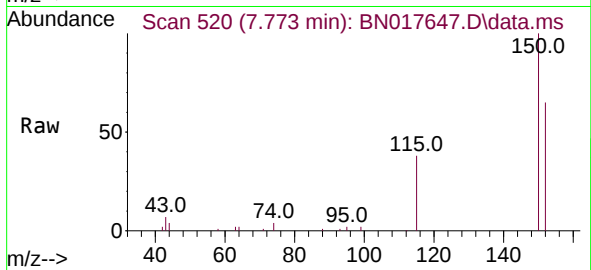
Quant Time: Dec 01 13:17:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
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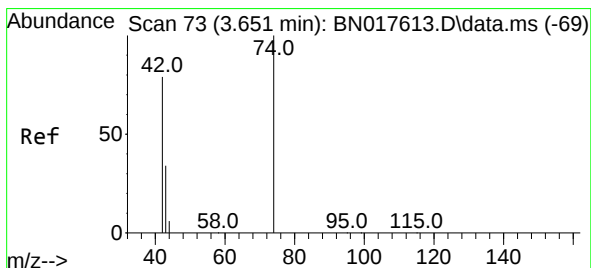
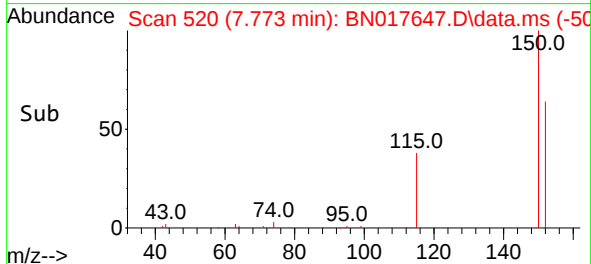
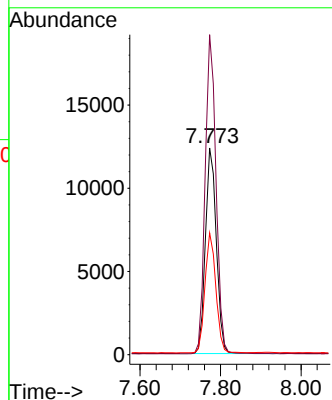


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Instrument :
BNA_N
ClientSampleId :
CS-1BDL

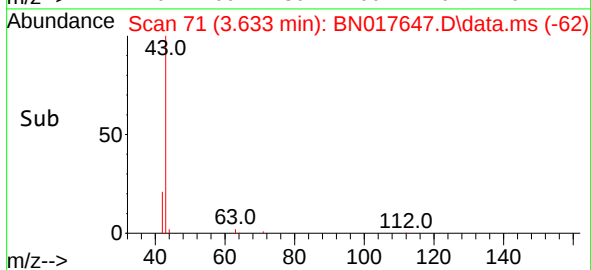
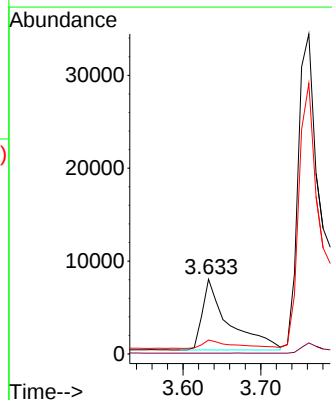
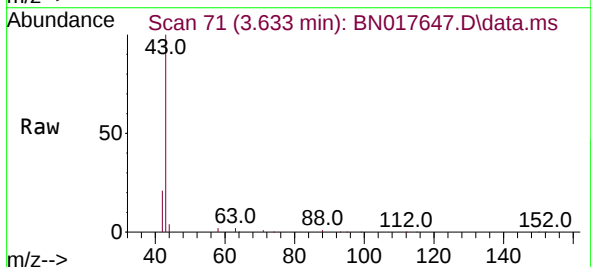


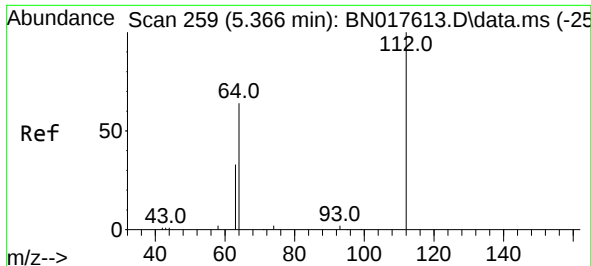
Tgt Ion:152 Resp: 23267
Ion Ratio Lower Upper
152 100
150 154.8 123.0 184.4
115 58.9 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.825 ng
RT: 3.633 min Scan# 71
Delta R.T. -0.018 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion: 42 Resp: 18008
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 14.3 5.5 8.3#

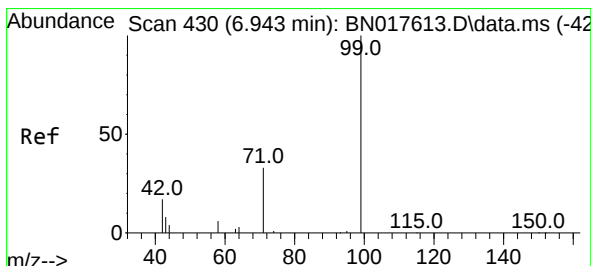
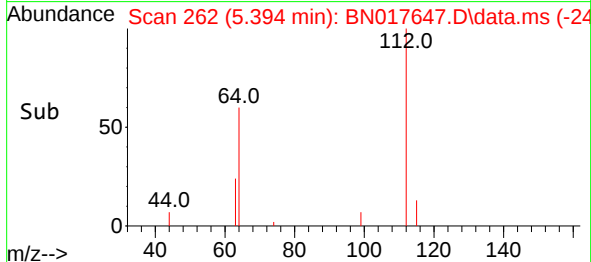
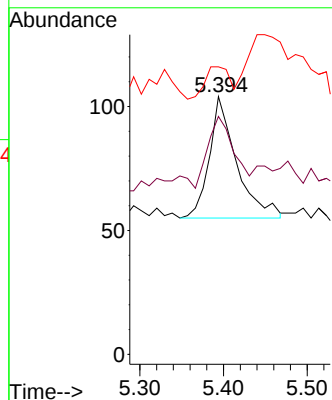
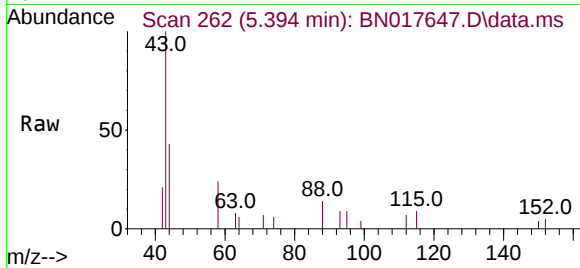




#4
2-Fluorophenol
Concen: 0.002 ng
RT: 5.394 min Scan# 211
Delta R.T. 0.028 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

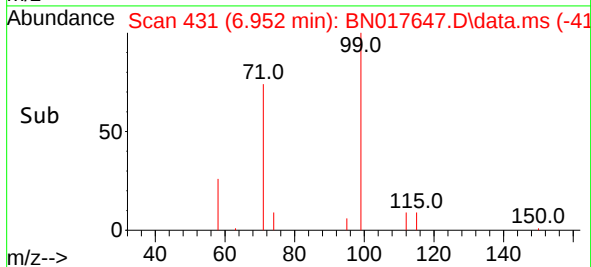
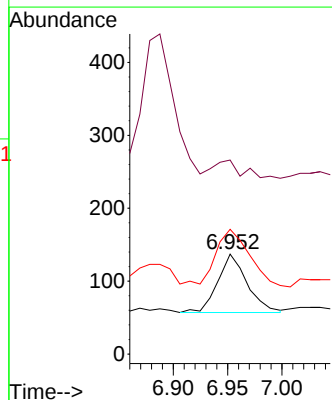
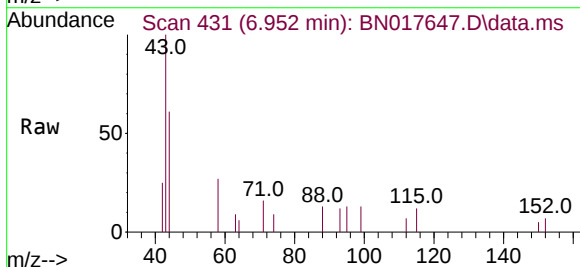
Instrument :
BNA_N
ClientSampleId :
CS-1BDL

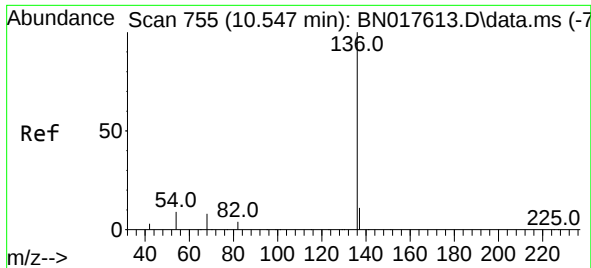
Tgt Ion:112 Resp: 111
Ion Ratio Lower Upper
112 100
64 56.8 47.6 71.4
63 24.3 24.6 37.0#



#5
Phenol-d6
Concen: 0.003 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion: 99 Resp: 150
Ion Ratio Lower Upper
99 100
42 30.0 17.0 25.6#
71 112.7 24.8 37.2#

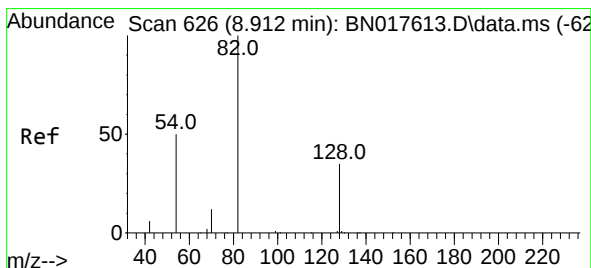
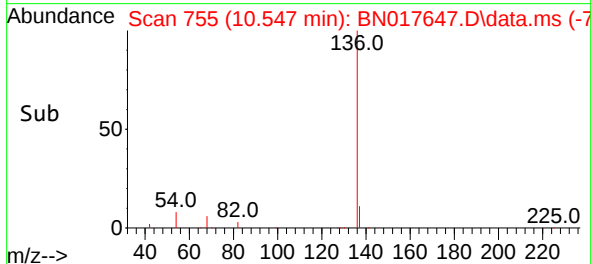
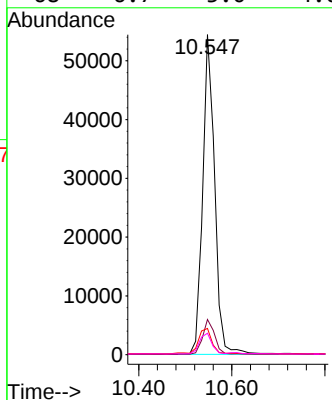
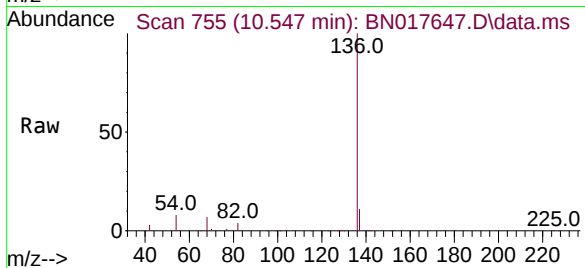




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

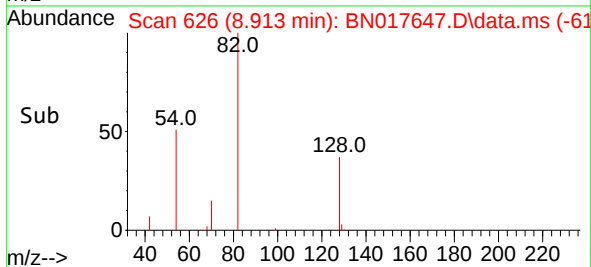
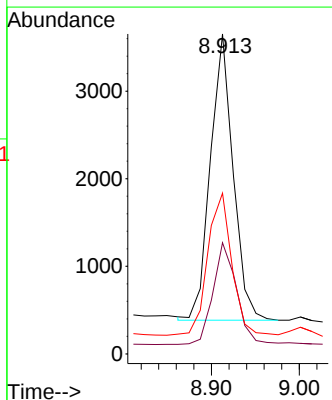
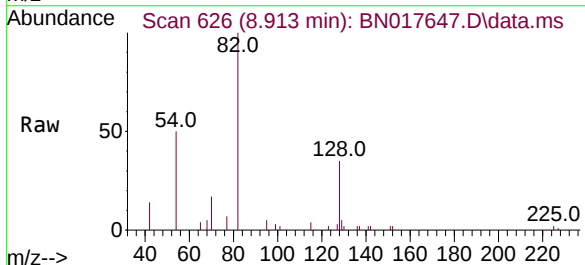
Instrument :
BNA_N
ClientSampleId :
CS-1BDL

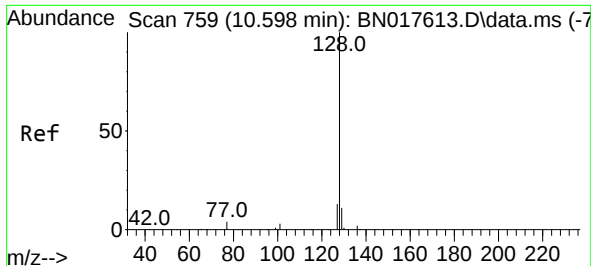
Tgt Ion:136 Resp: 97575
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.2 4.0 6.0#
68 6.7 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.142 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion: 82 Resp: 5869
Ion Ratio Lower Upper
82 100
128 34.7 27.7 41.5
54 50.3 49.2 73.8

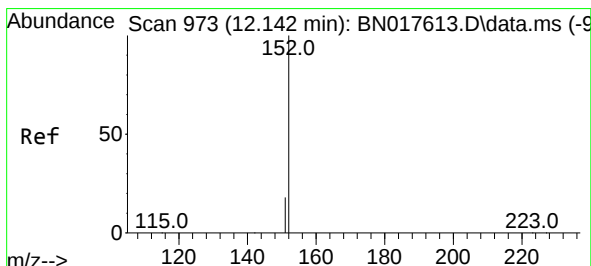
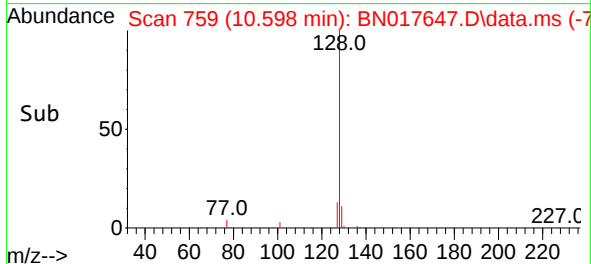
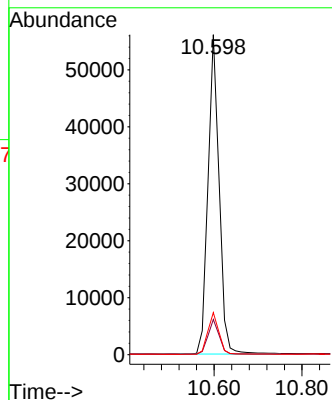
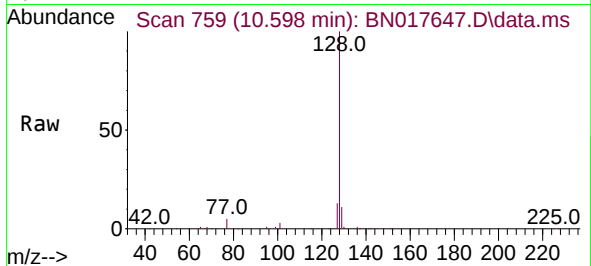




#9
Naphthalene
Concen: 0.400 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

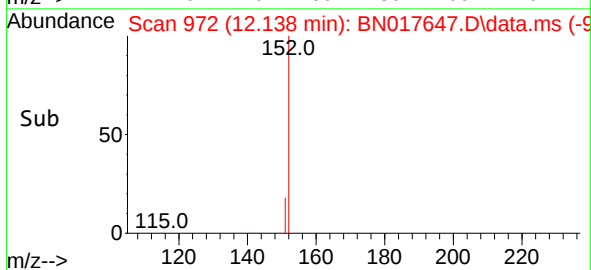
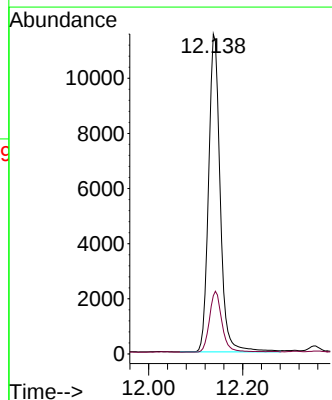
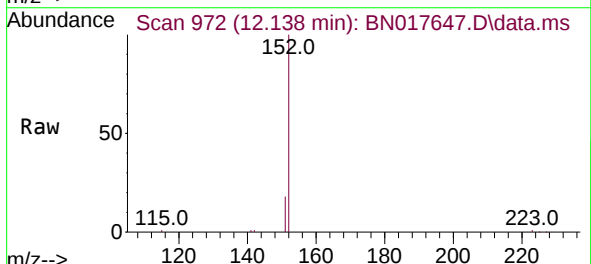
Instrument :
BNA_N
ClientSampleId :
CS-1BDL

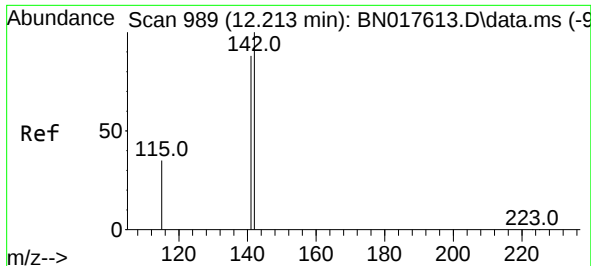
Tgt Ion:128 Resp: 98551
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.2 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.116 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:152 Resp: 19831
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.113 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

Instrument :

BNA_N

ClientSampleId :

CS-1BDL

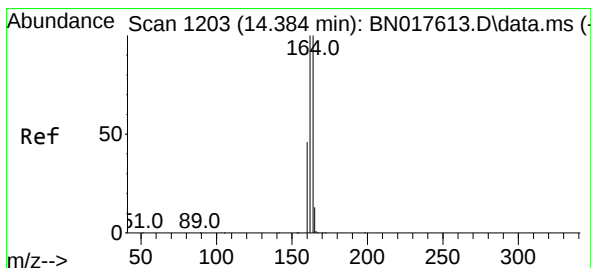
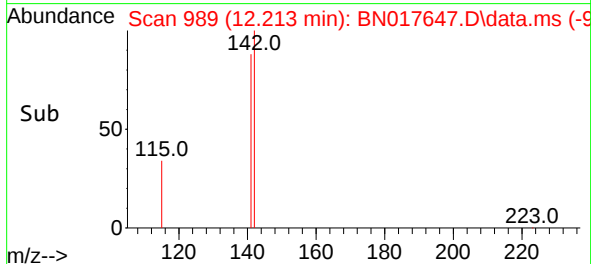
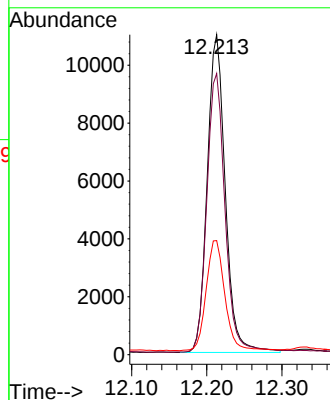
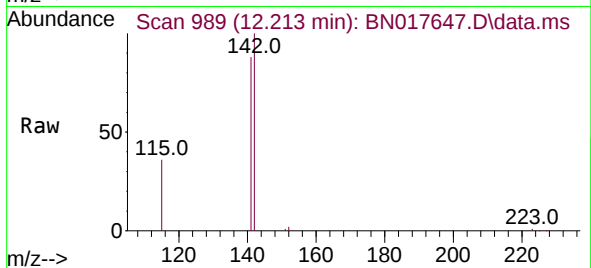
Tgt Ion:142 Resp: 18280

Ion Ratio Lower Upper

142 100

141 87.8 70.6 106.0

115 35.6 25.8 38.6



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.384 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

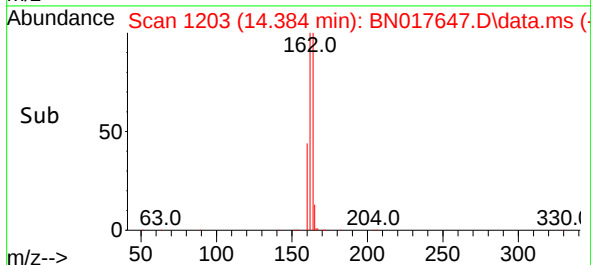
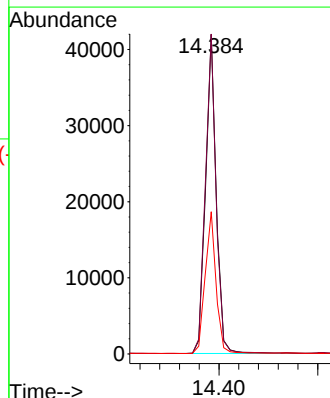
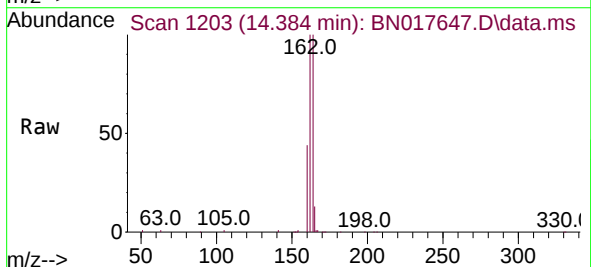
Tgt Ion:164 Resp: 62787

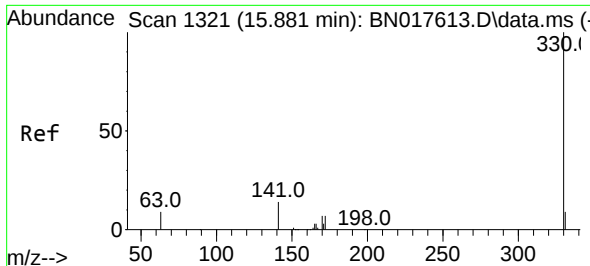
Ion Ratio Lower Upper

164 100

162 100.2 81.4 122.2

160 44.5 36.8 55.2

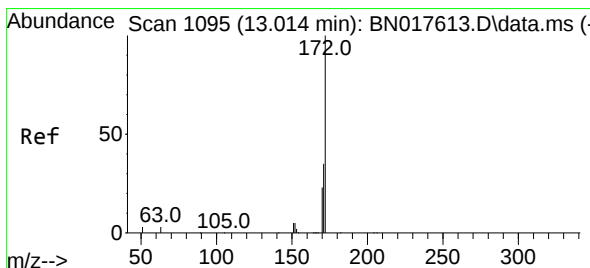
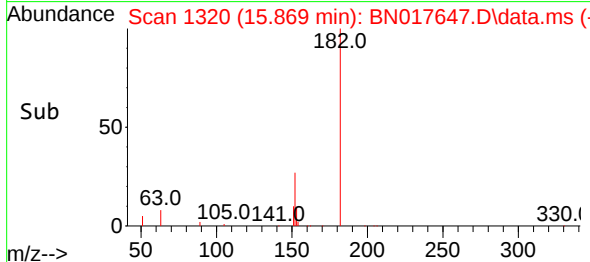
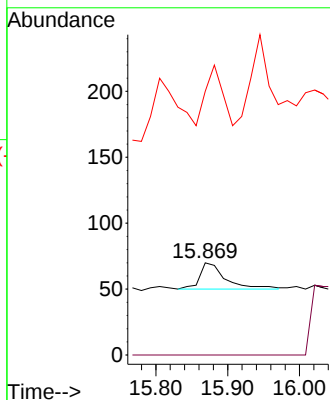
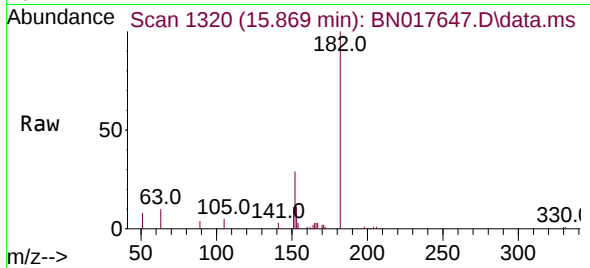




#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

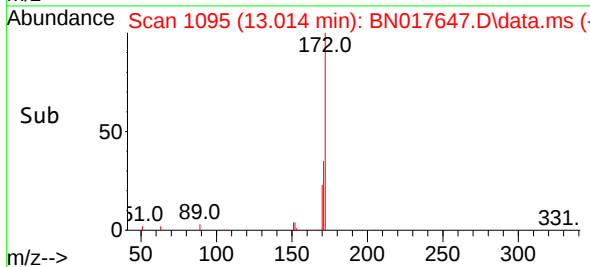
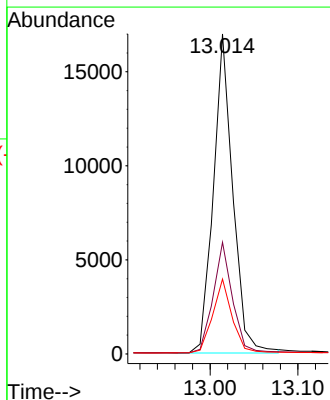
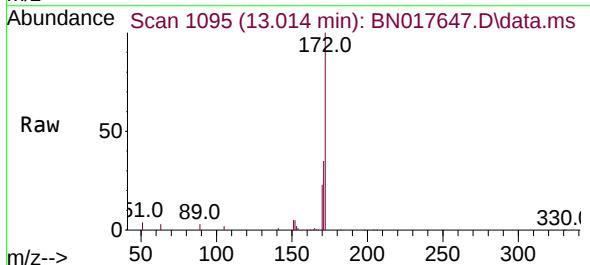
Instrument :
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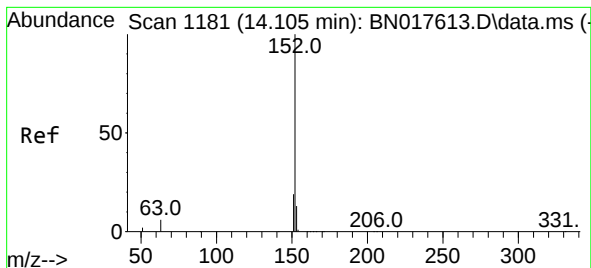
Tgt Ion:330 Resp: 50
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 144.0 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.107 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:172 Resp: 26044
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 23.4 19.4 29.2





#16

Acenaphthylene

Concen: 0.194 ng

RT: 14.105 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

Instrument :

BNA_N

ClientSampleId :

CS-1BDL

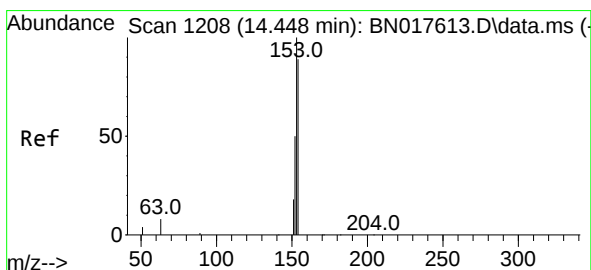
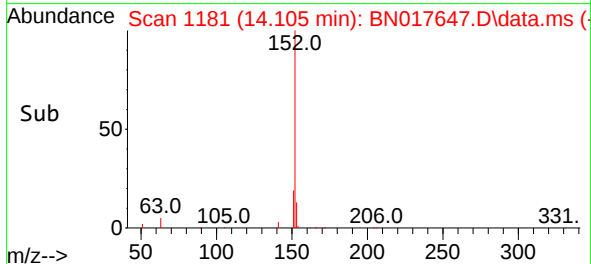
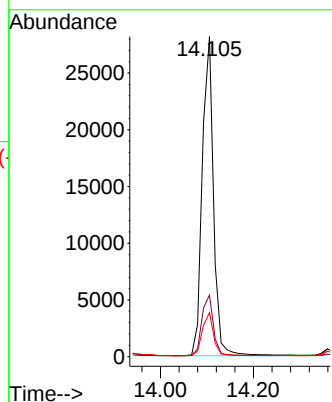
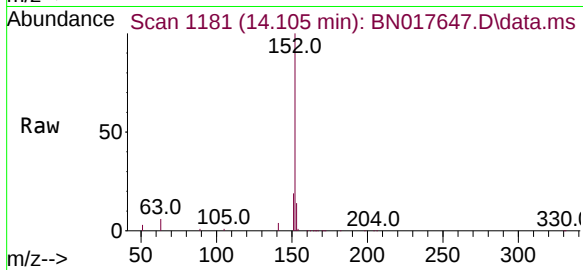
Tgt Ion:152 Resp: 47451

Ion Ratio Lower Upper

152 100

151 19.7 15.5 23.3

153 13.5 10.4 15.6



#17

Acenaphthene

Concen: 0.255 ng

RT: 14.448 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

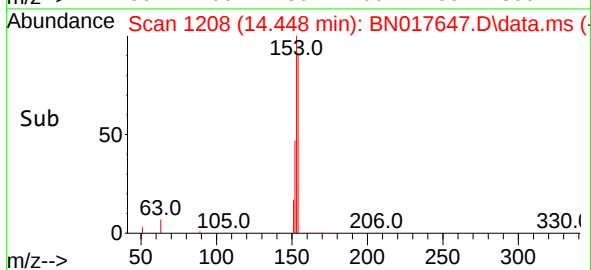
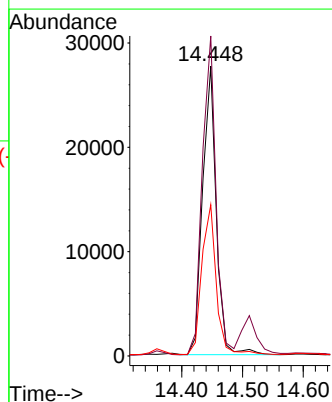
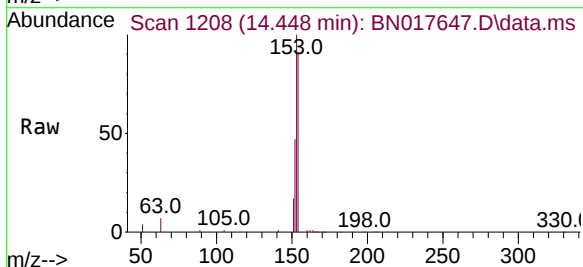
Tgt Ion:154 Resp: 43249

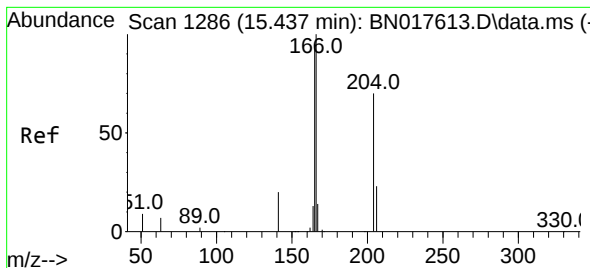
Ion Ratio Lower Upper

154 100

153 110.6 91.2 136.8

152 55.0 44.3 66.5





#18

Fluorene

Concen: 0.389 ng

RT: 15.425 min Scan# 1285

Delta R.T. -0.012 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

Instrument :

BNA_N

ClientSampleId :

CS-1BDL

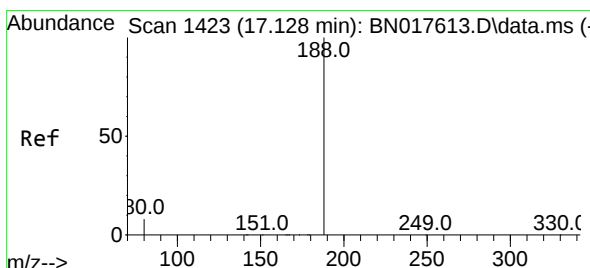
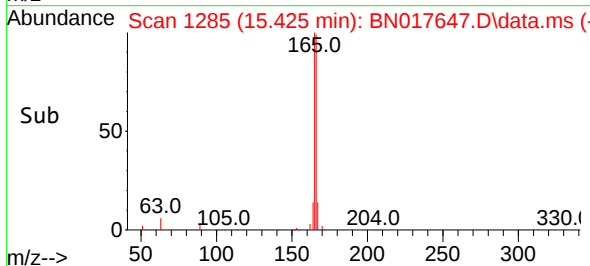
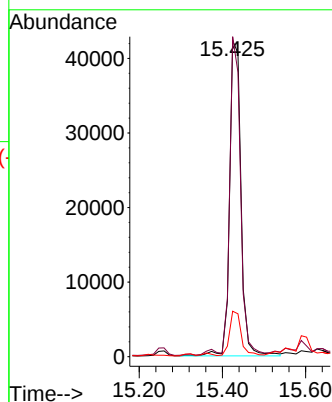
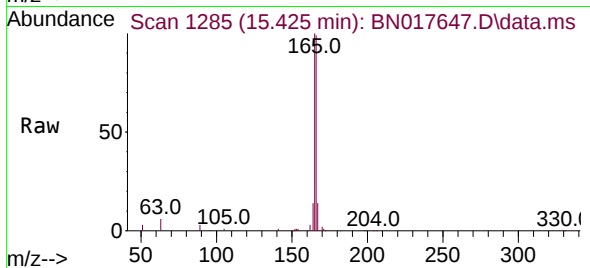
Tgt Ion:166 Resp: 79971

Ion Ratio Lower Upper

166 100

165 97.8 77.9 116.9

167 14.2 10.9 16.3



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.116 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

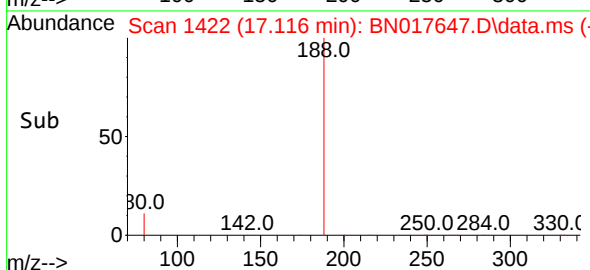
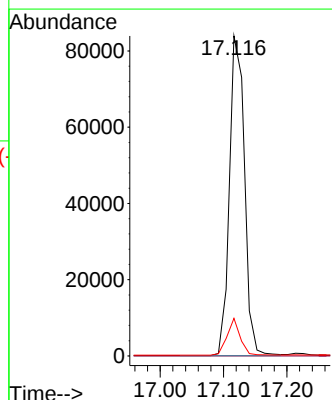
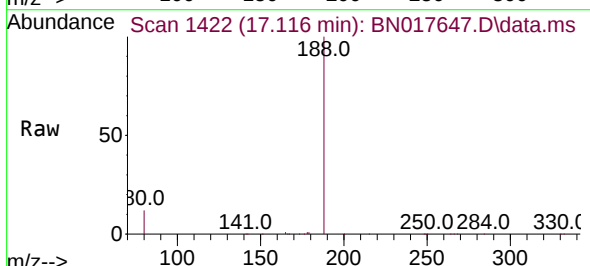
Tgt Ion:188 Resp: 138296

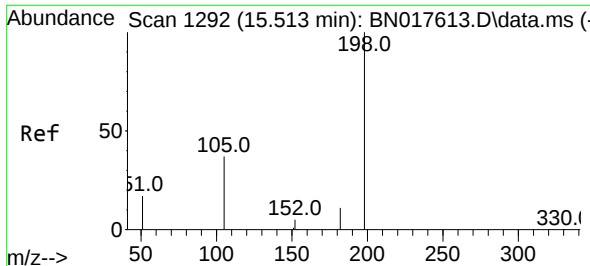
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 6.1 9.1#

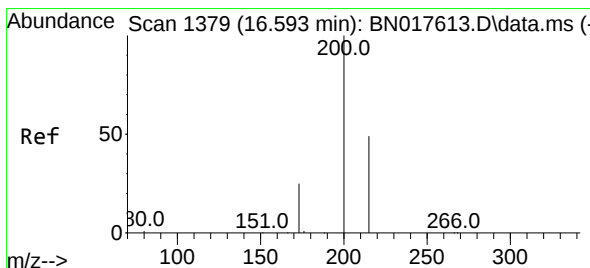
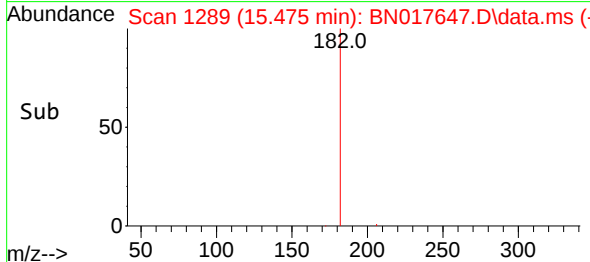
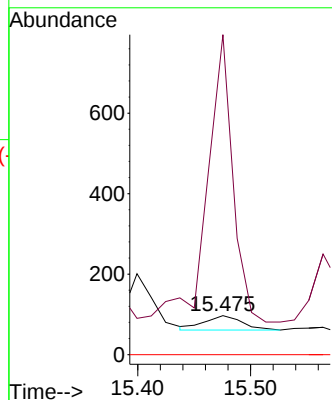
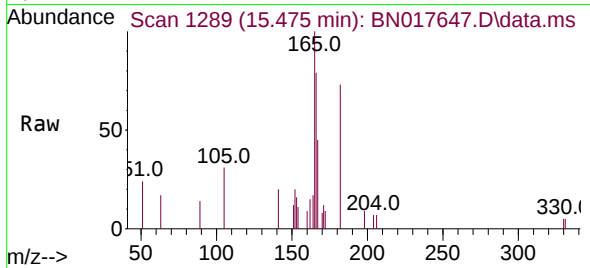




#20
4,6-Dinitro-2-methylphenol
Concen: 0.070 ng
RT: 15.475 min Scan# 1292
Delta R.T. -0.038 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

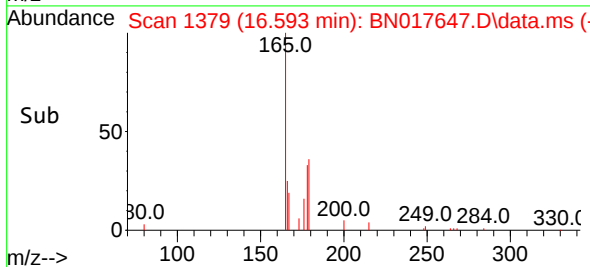
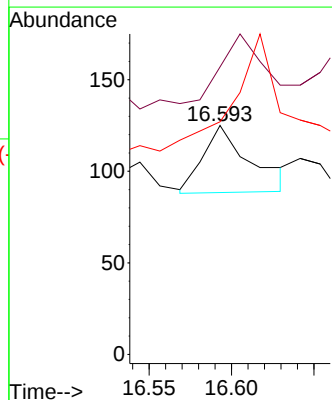
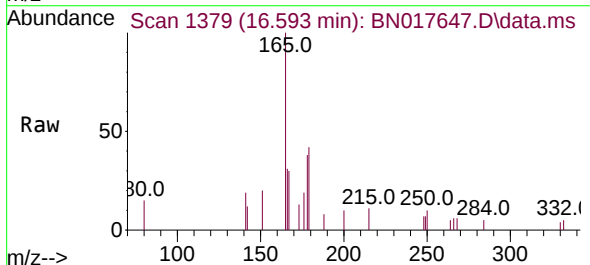
Instrument :
BNA_N
ClientSampleId :
CS-1BDL

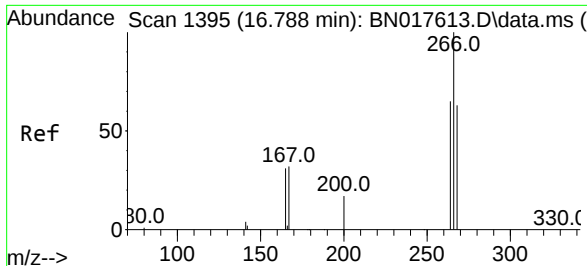
Tgt Ion:198 Resp: 83
Ion Ratio Lower Upper
198 100
182 819.6 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.132 ng
RT: 16.593 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:200 Resp: 73
Ion Ratio Lower Upper
200 100
173 125.6 17.6 26.4#
215 101.6 40.2 60.4#

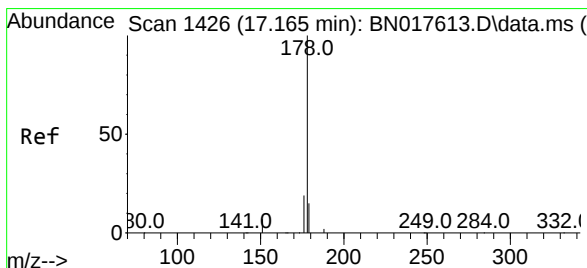
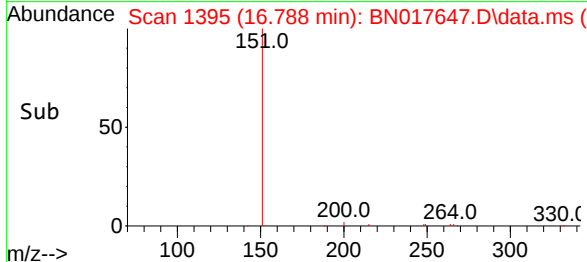
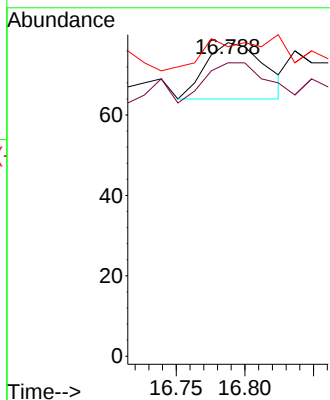
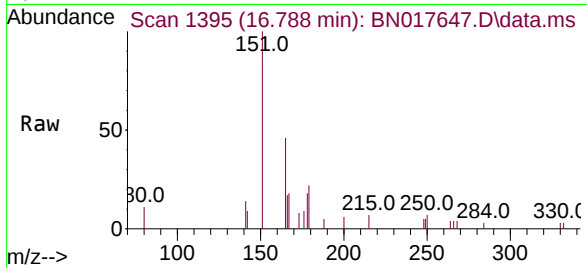




#24
 Pentachlorophenol
 Concen: 0.193 ng
 RT: 16.788 min Scan# 1395
 Delta R.T. -0.000 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

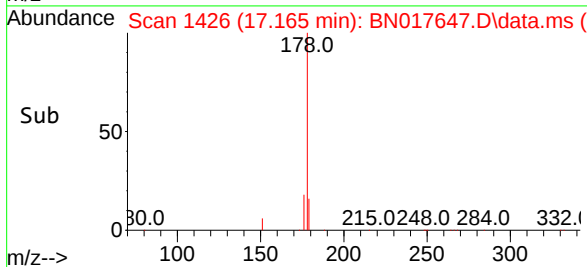
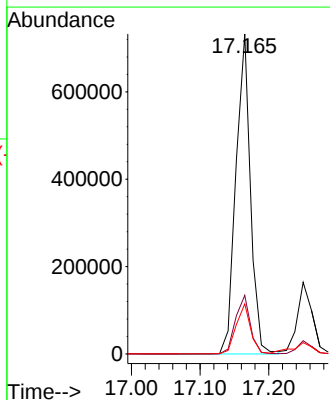
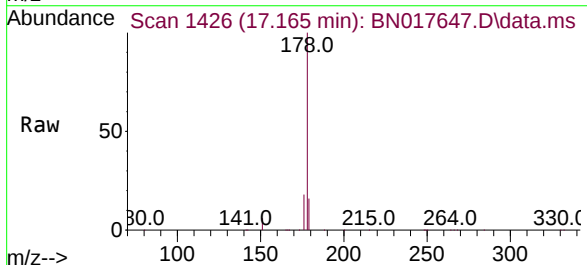
Instrument :
 BNA_N
 ClientSampleId :
 CS-1BDL

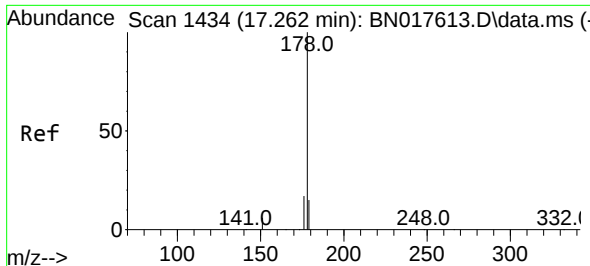
Tgt Ion:266 Resp: 42
 Ion Ratio Lower Upper
 266 100
 264 76.2 49.8 74.8#
 268 0.0 51.3 76.9#



#25
 Phenanthrene
 Concen: 2.845 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. -0.000 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

Tgt Ion:178 Resp: 1079144
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 15.6 12.3 18.5

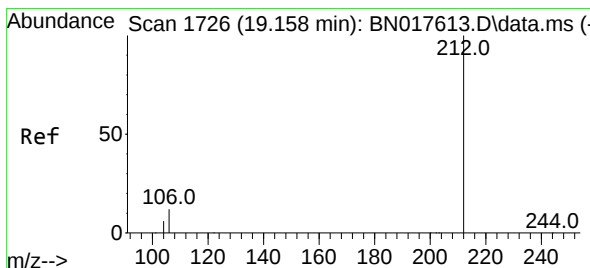
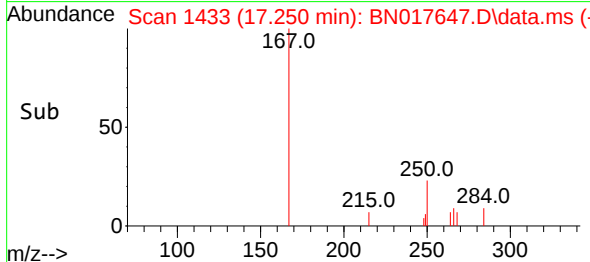
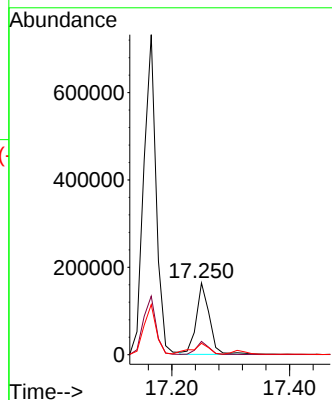
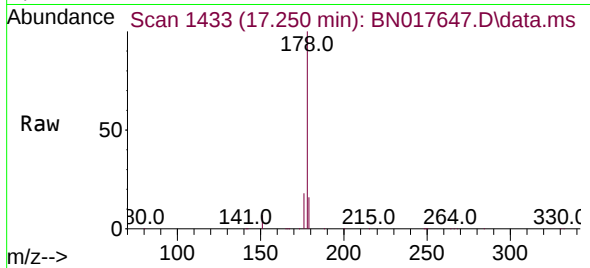




#26
 Anthracene
 Concen: 0.779 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

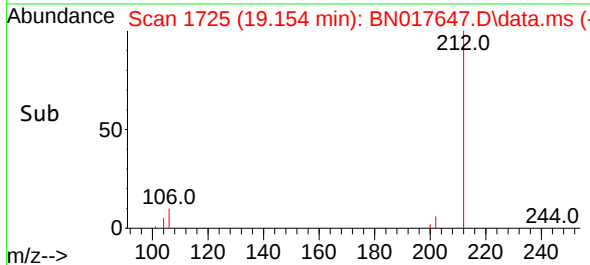
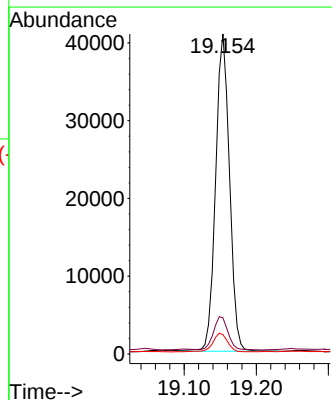
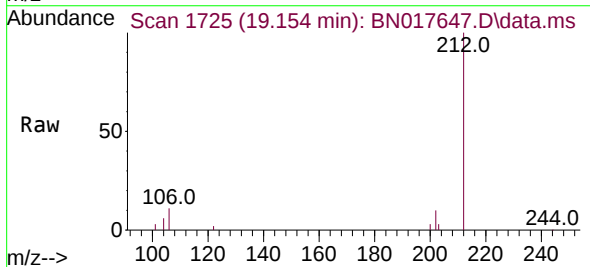
Instrument :
 BNA_N
 ClientSampleId :
 CS-1BDL

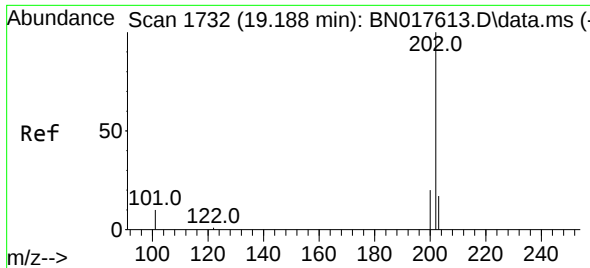
Tgt Ion:178 Resp: 253792
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 22.0
 179 19.3 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.126 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

Tgt Ion:212 Resp: 54598
 Ion Ratio Lower Upper
 212 100
 106 10.9 10.5 15.7
 104 6.3 5.8 8.6

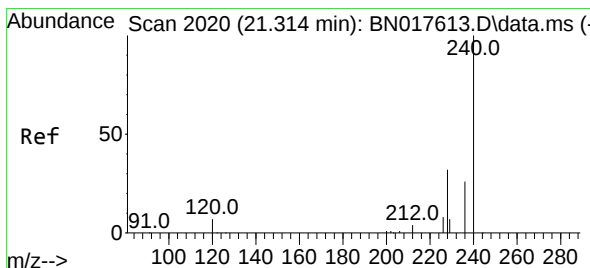
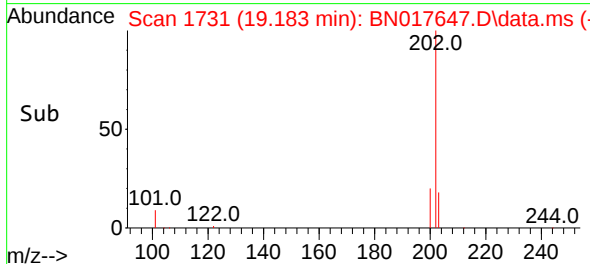
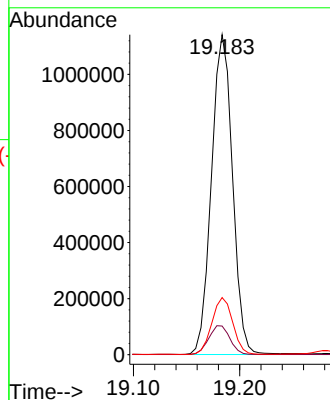
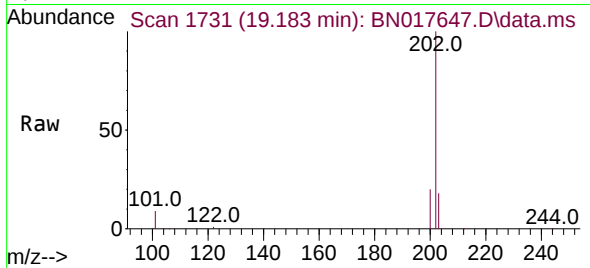




#28
Fluoranthene
Concen: 3.657 ng
RT: 19.183 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

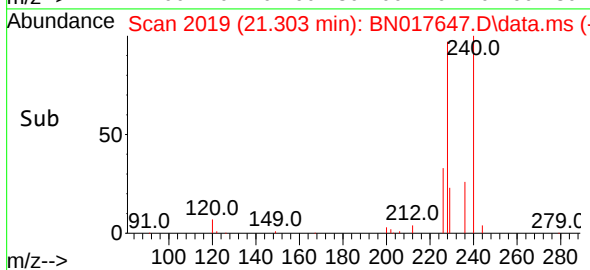
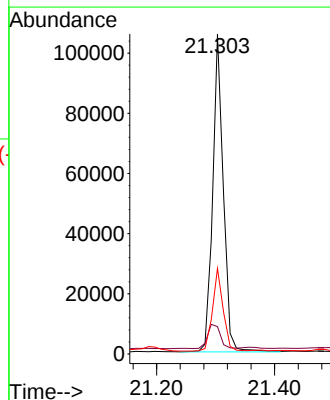
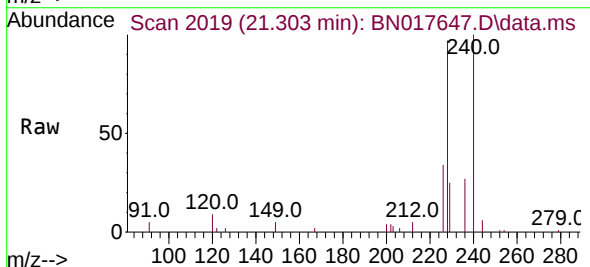
Instrument :
BNA_N
ClientSampleId :
CS-1BDL

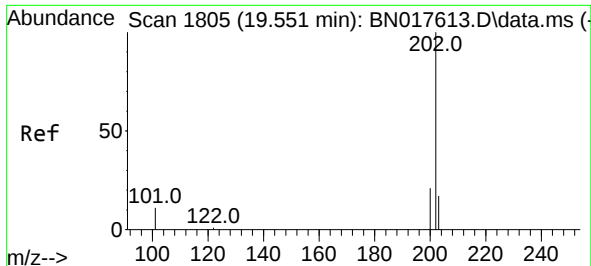
Tgt Ion:202 Resp: 1569759
Ion Ratio Lower Upper
202 100
101 9.1 8.9 13.3
203 17.6 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:240 Resp: 132134
Ion Ratio Lower Upper
240 100
120 8.5 4.2 6.2#
236 26.7 20.0 30.0

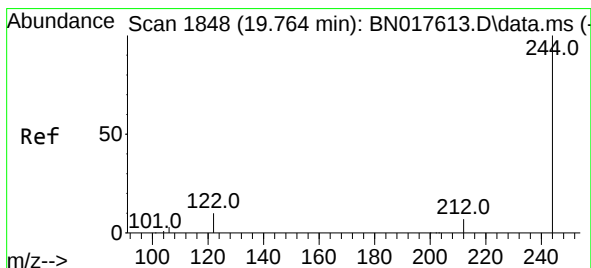
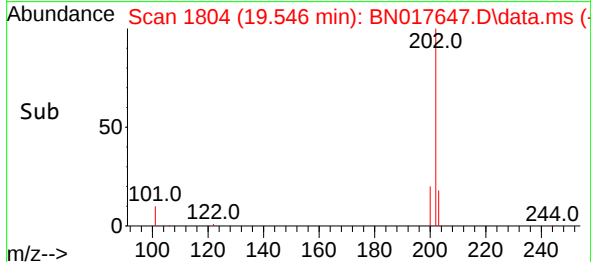
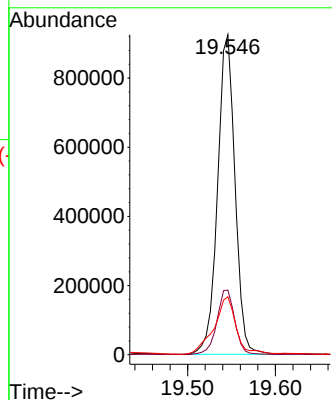
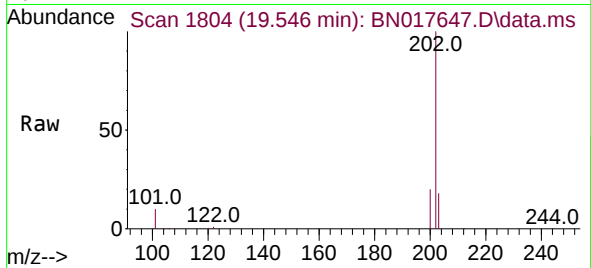




#30
Pyrene
Concen: 2.997 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

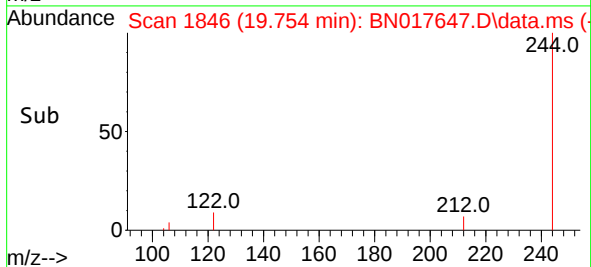
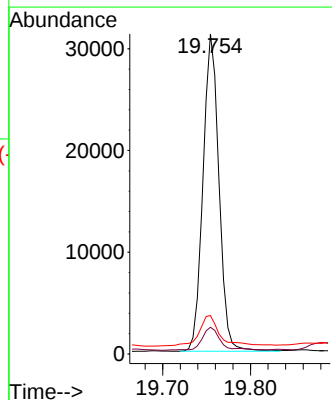
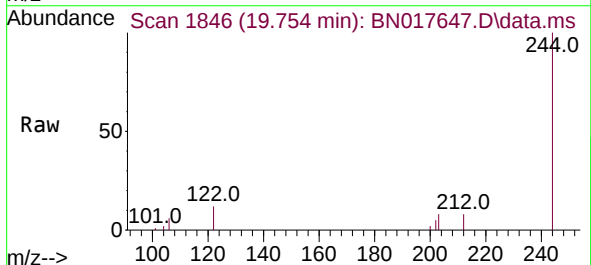
Instrument :
BNA_N
ClientSampleId :
CS-1BDL

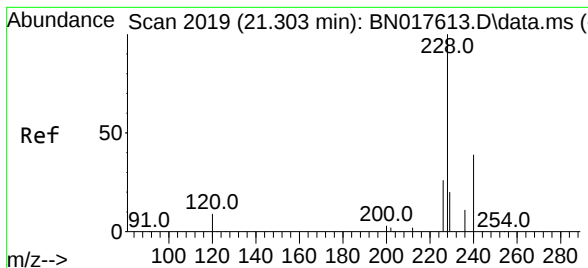
Tgt Ion:202 Resp: 1278319
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 22.4 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.136 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:244 Resp: 39408
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 12.0 8.6 13.0





#32

Benzo(a)anthracene

Concen: 1.734 ng

RT: 21.293 min Scan# 2018

Delta R.T. -0.010 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

Instrument :

BNA_N

ClientSampleId :

CS-1BDL

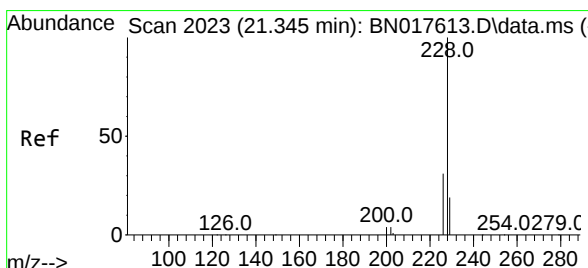
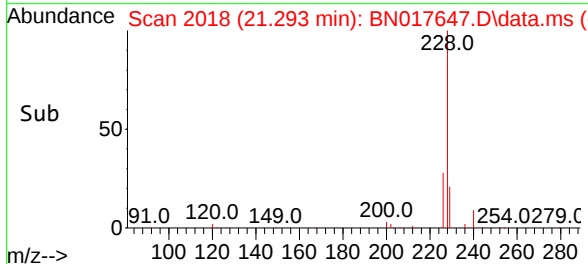
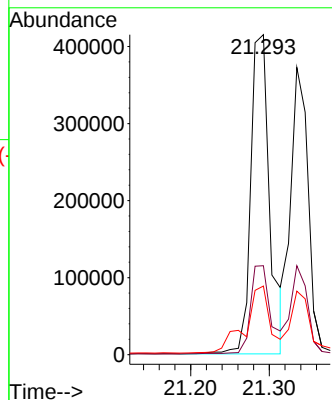
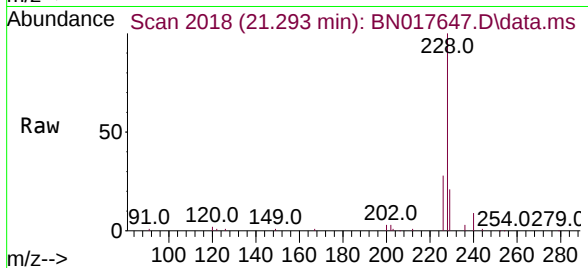
Tgt Ion:228 Resp: 696098

Ion Ratio Lower Upper

228 100

226 27.8 21.3 31.9

229 21.5 15.7 23.5



#33

Chrysene

Concen: 1.299 ng

RT: 21.335 min Scan# 2022

Delta R.T. -0.010 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

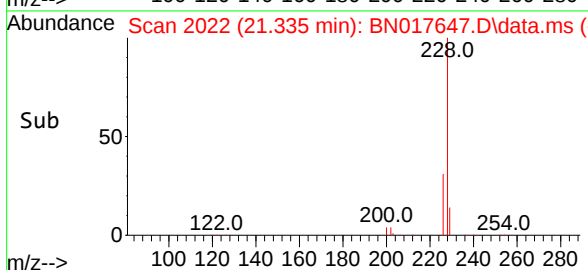
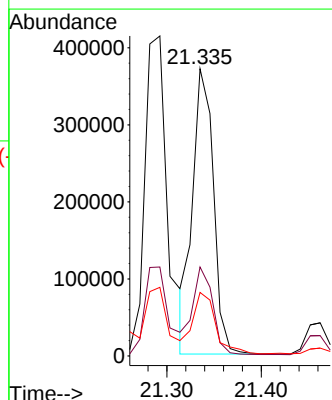
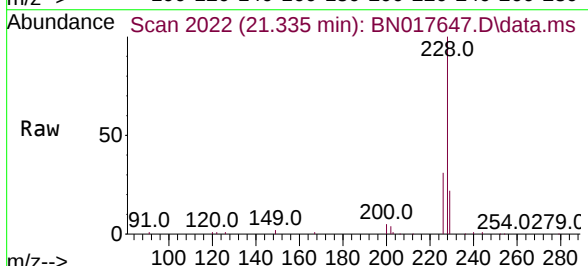
Tgt Ion:228 Resp: 567288

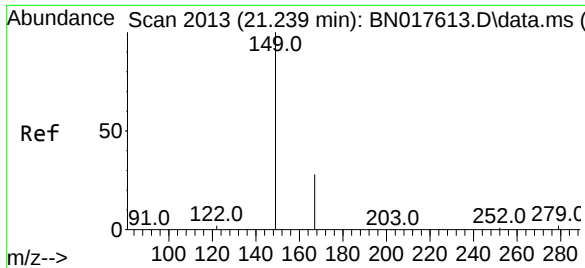
Ion Ratio Lower Upper

228 100

226 30.9 23.3 34.9

229 22.1 15.6 23.4

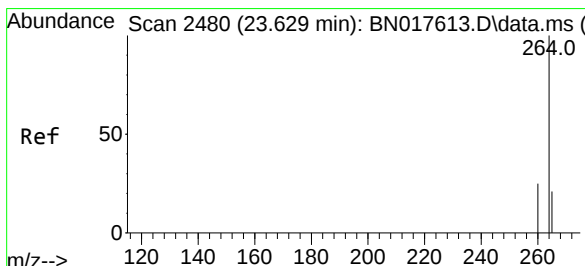
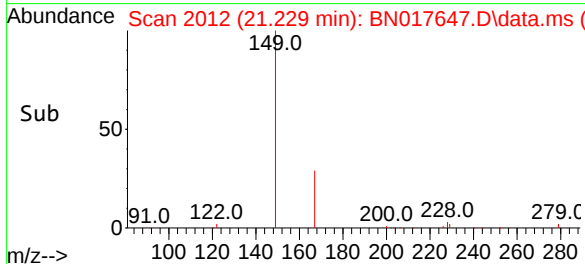
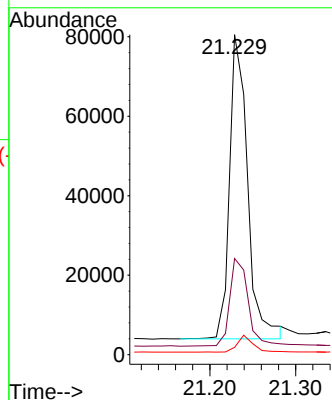
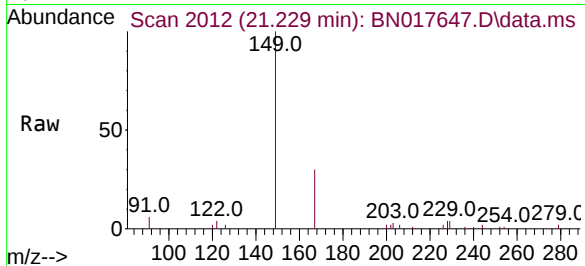




#34
Bis(2-ethylhexyl)phthalate
Concen: 1.172 ng
RT: 21.229 min Scan# 2012
Delta R.T. -0.010 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

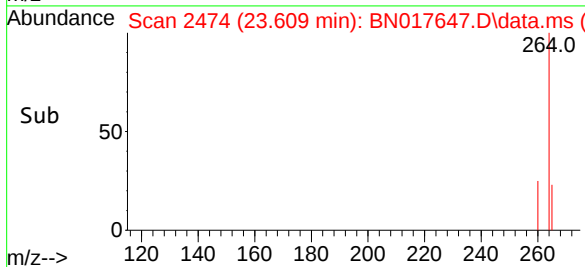
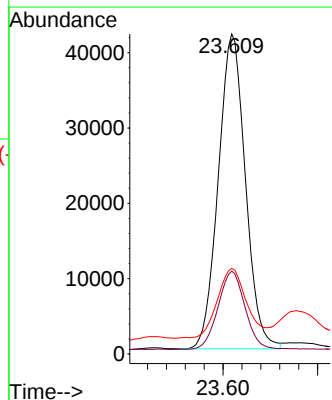
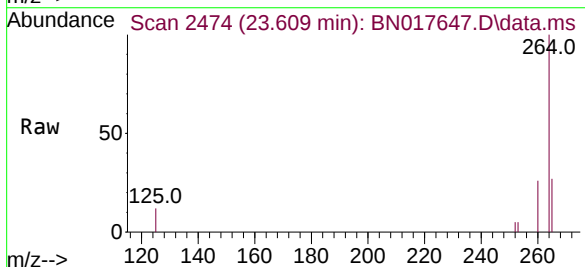
Instrument :
BNA_N
ClientSampleId :
CS-1BDL

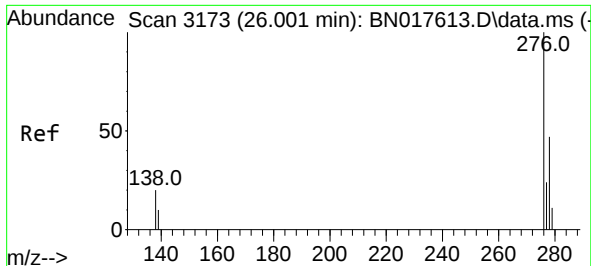
Tgt Ion:149 Resp: 111618
Ion Ratio Lower Upper
149 100
167 29.6 21.8 32.6
279 4.8 3.4 5.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.609 min Scan# 2474
Delta R.T. -0.020 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:264 Resp: 83294
Ion Ratio Lower Upper
264 100
260 25.9 19.4 29.2
265 26.7 18.6 28.0

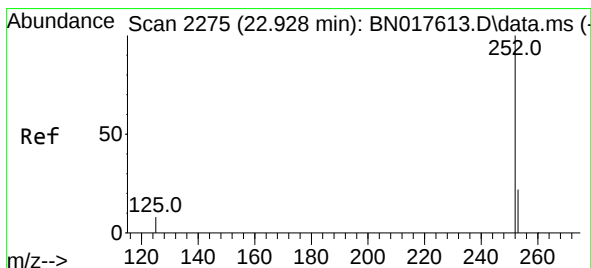
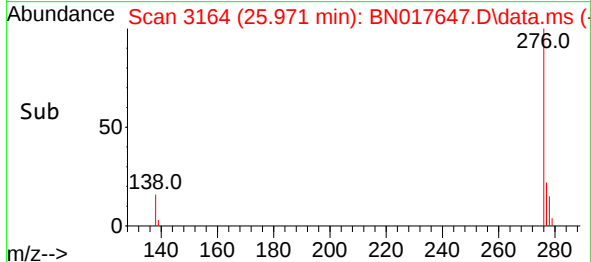
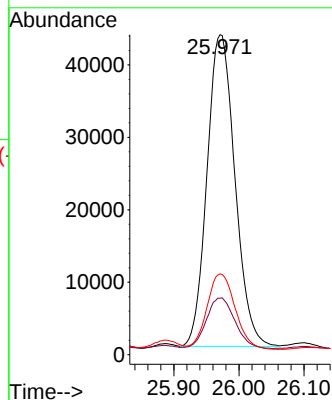
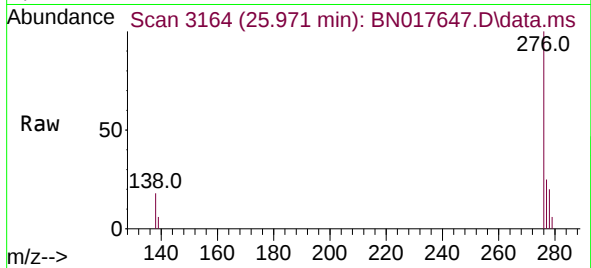




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.474 ng
 RT: 25.971 min Scan# 3173
 Delta R.T. -0.031 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

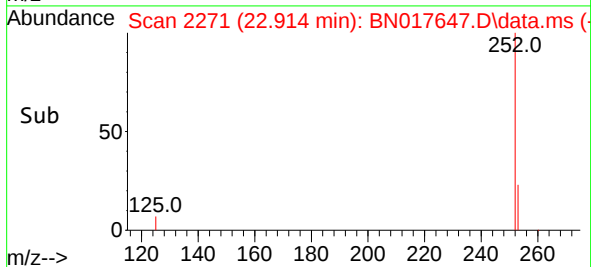
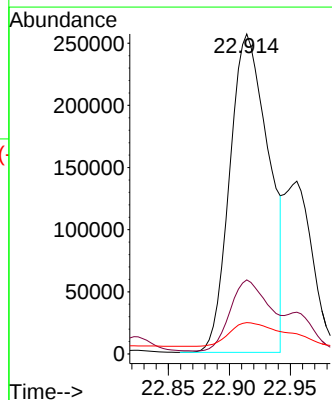
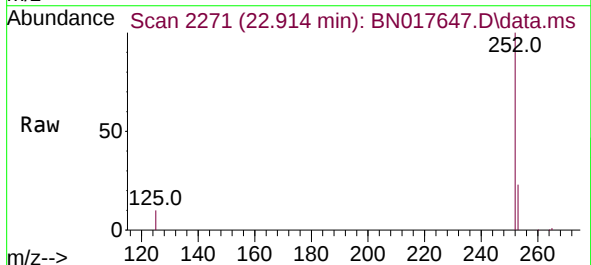
Instrument :
 BNA_N
 ClientSampleId :
 CS-1BDL

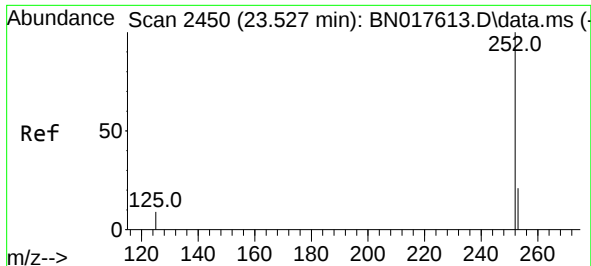
Tgt Ion:276 Resp: 128319
 Ion Ratio Lower Upper
 276 100
 138 16.6 19.7 29.5#
 277 24.6 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 2.056 ng
 RT: 22.914 min Scan# 2271
 Delta R.T. -0.014 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

Tgt Ion:252 Resp: 567778
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.7 26.5
 125 9.8 7.8 11.8

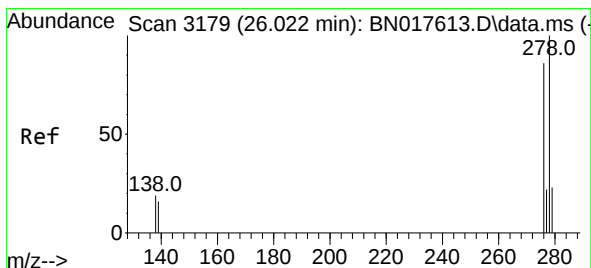
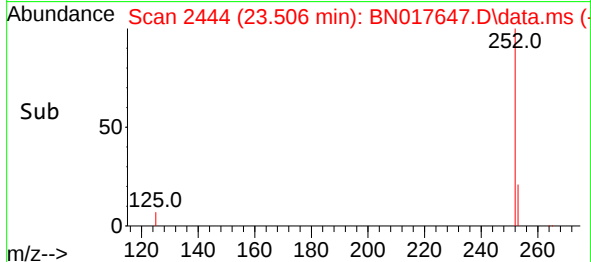
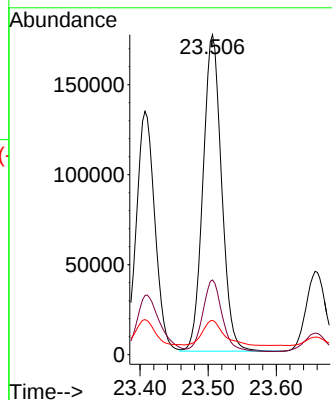
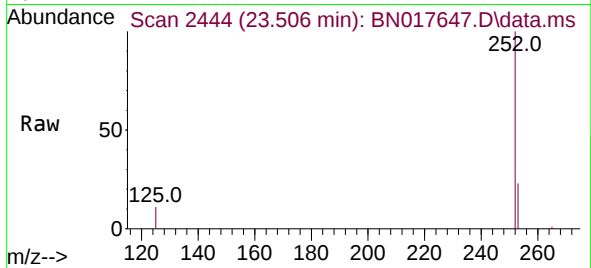




#39
Benzo(a)pyrene
Concen: 1.346 ng
RT: 23.506 min Scan# 24
Delta R.T. -0.020 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

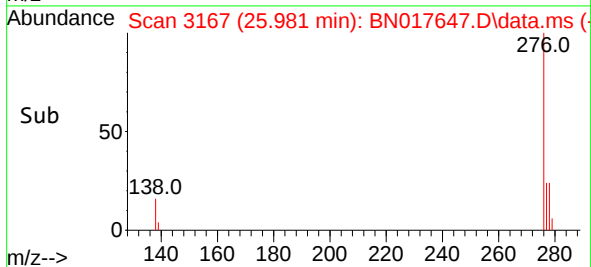
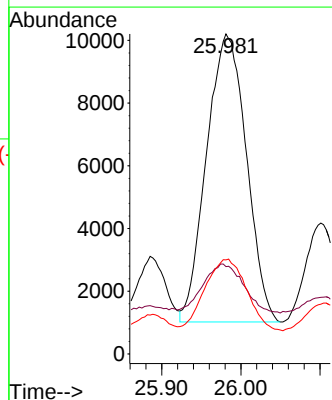
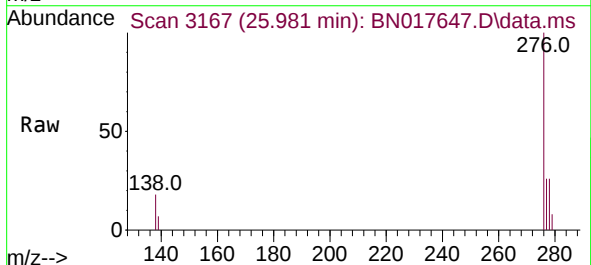
Instrument :
BNA_N
ClientSampleId :
CS-1BDL

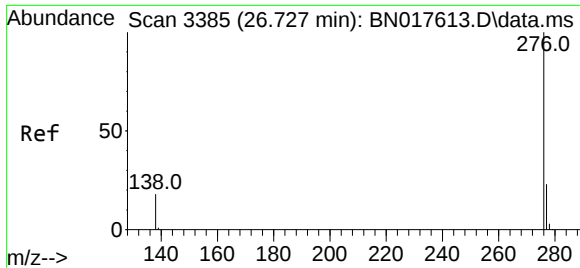
Tgt Ion:252 Resp: 332841
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 10.7 9.2 13.8



#40
Dibenzo(a,h)anthracene
Concen: 0.145 ng
RT: 25.981 min Scan# 3167
Delta R.T. -0.041 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

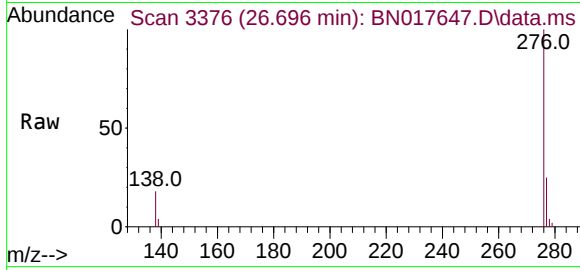
Tgt Ion:278 Resp: 32103
Ion Ratio Lower Upper
278 100
139 27.3 13.0 19.6#
279 29.4 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 0.482 ng
RT: 26.696 min Scan# 31
Delta R.T. -0.031 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Instrument :
BNA_N
ClientSampleId :
CS-1BDL



Tgt Ion:276 Resp: 109698
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 18.0 17.1 25.7

