

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017642.D
 Acq On : 01 Dec 2021 09:46
 Operator : CG/JU
 Sample : M4862-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-2B

Quant Time: Dec 01 10:31:27 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)

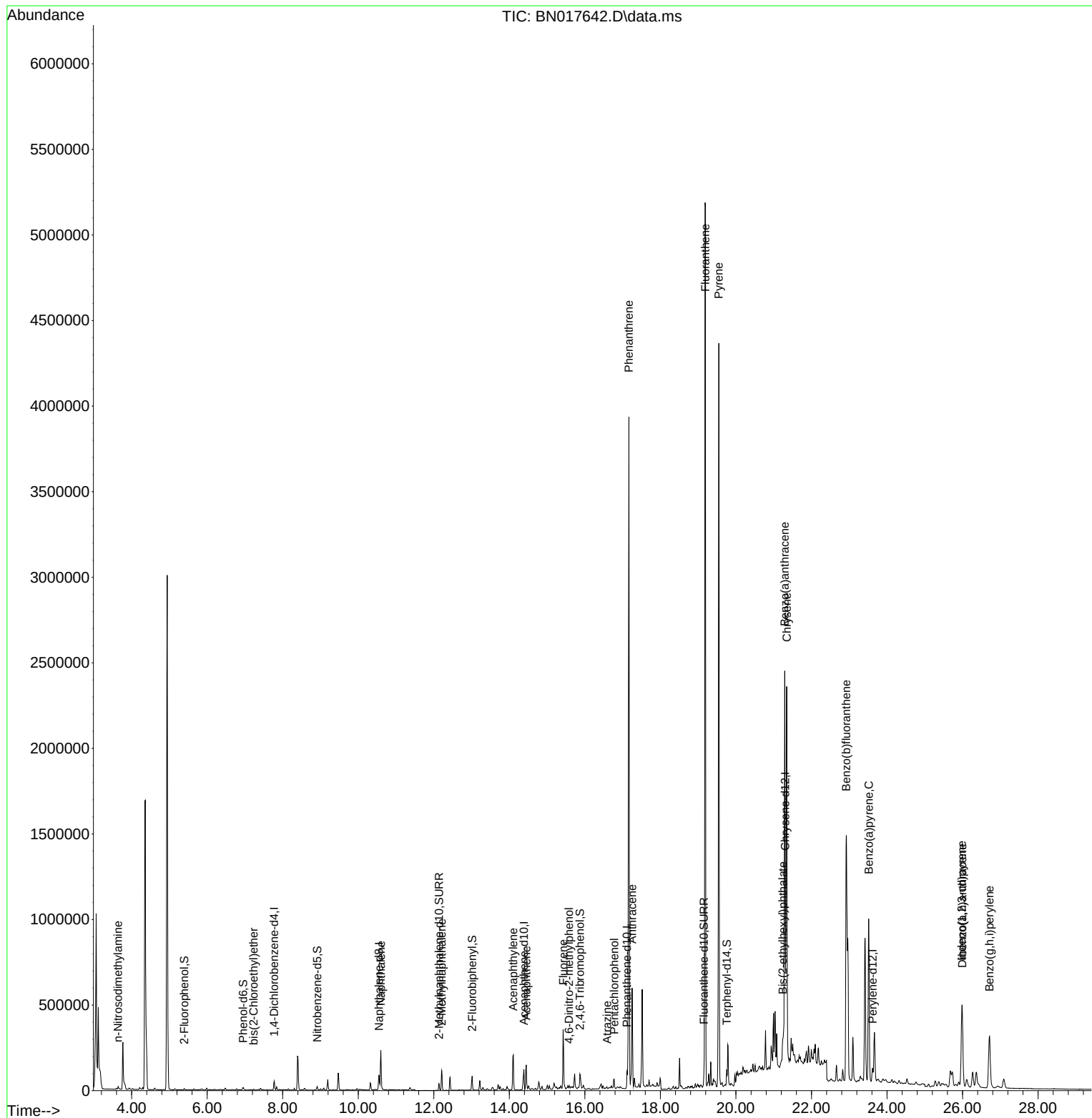
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	25628	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	108835	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	67950	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	135541	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	117016	0.400	ng	#-0.01
35) Perylene-d12	23.616	264	110407	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	6269	0.108	ng	0.03
5) Phenol-d6	6.952	99	13430	0.218	ng	0.00
8) Nitrobenzene-d5	8.913	82	17605	0.381	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	55689	0.293	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	876	0.146	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	70994	0.268	ng	0.00
27) Fluoranthene-d10	19.154	212	123541	0.292	ng	0.00
31) Terphenyl-d14	19.754	244	89776	0.350	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.642	42	4234	0.176	ng	# 1
6) bis(2-Chloroethyl)ether	7.229	93	1719	0.024	ng	# 21
9) Naphthalene	10.598	128	297989	1.086	ng	100
12) 2-Methylnaphthalene	12.209	142	85679	0.473	ng	98
16) Acenaphthylene	14.105	152	251917	0.951	ng	99
17) Acenaphthene	14.448	154	79047	0.431	ng	98
18) Fluorene	15.425	166	238293	1.070	ng	95
20) 4,6-Dinitro-2-methylph...	15.577	198	120	0.077	ng	# 1
23) Atrazine	16.593	200	376	0.137	ng	# 7
24) Pentachlorophenol	16.776	266	212	0.197	ng	# 83
25) Phenanthrene	17.165	178	4023776	10.824	ng	99
26) Anthracene	17.250	178	582362	1.823	ng	# 89
28) Fluoranthene	19.188	202	5075406	12.064	ng	97
30) Pyrene	19.546	202	4062587	10.755	ng	97
32) Benzo(a)anthracene	21.293	228	2126502	5.983	ng	97
33) Chrysene	21.346	228	2116558	5.474	ng	97
34) Bis(2-ethylhexyl)phtha...	21.239	149	144844	1.718	ng	95
36) Indeno(1,2,3-cd)pyrene	25.985	276	818835	2.284	ng	# 92
37) Benzo(b)fluoranthene	22.921	252	2602090	7.107	ng	98
39) Benzo(a)pyrene	23.517	252	1449670	4.423	ng	98
40) Dibenzo(a,h)anthracene	25.995	278	213107	0.727	ng	# 89
41) Benzo(g,h,i)perylene	26.714	276	699184	2.320	ng	95

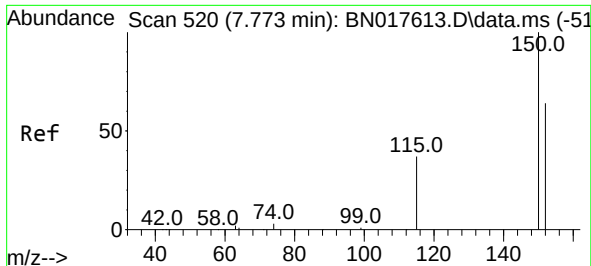
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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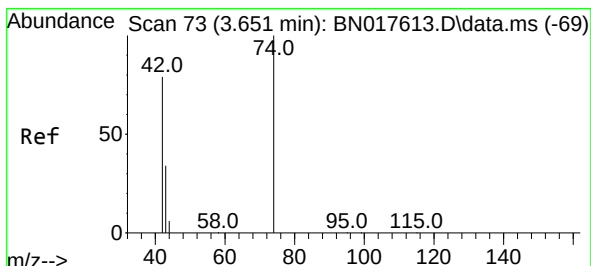
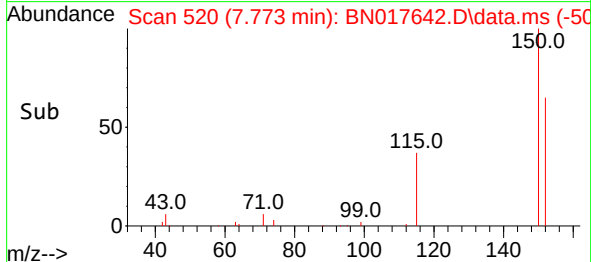
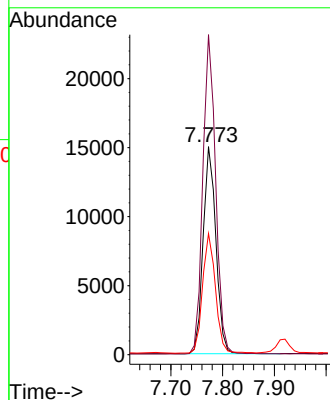
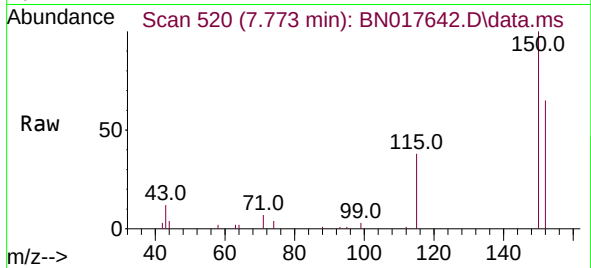




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

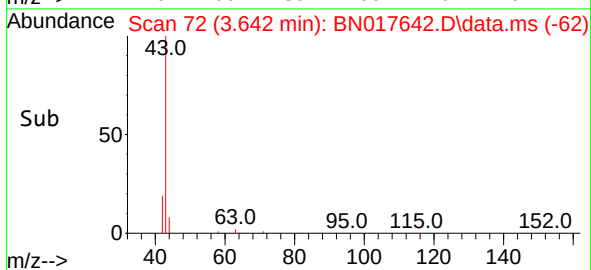
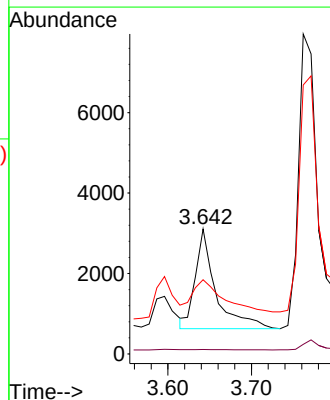
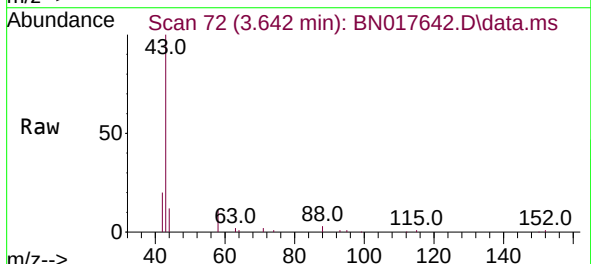
Instrument :
BNA_N
ClientSampleId :
CS-2B

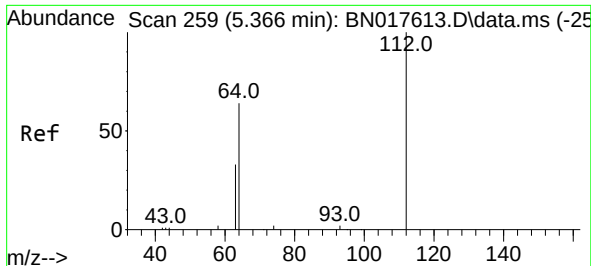
Tgt Ion:152 Resp: 25628
Ion Ratio Lower Upper
152 100
150 153.8 123.0 184.4
115 58.2 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.176 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion: 42 Resp: 4234
Ion Ratio Lower Upper
42 100
74 0.7 97.8 146.6#
44 55.1 5.5 8.3#

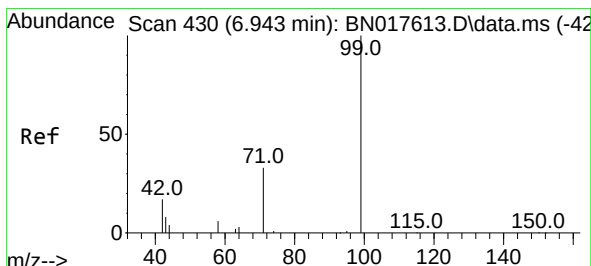
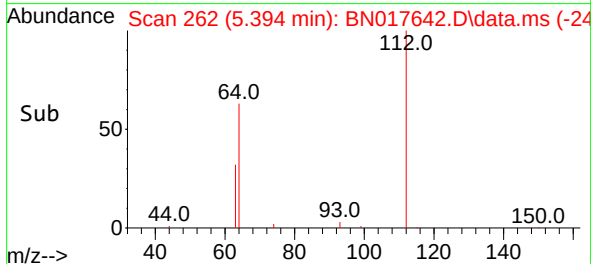
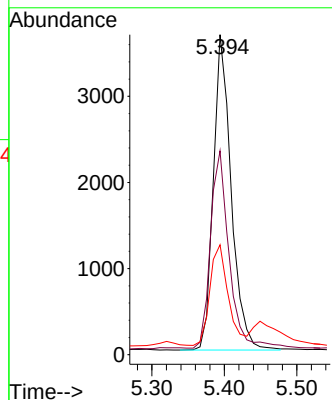
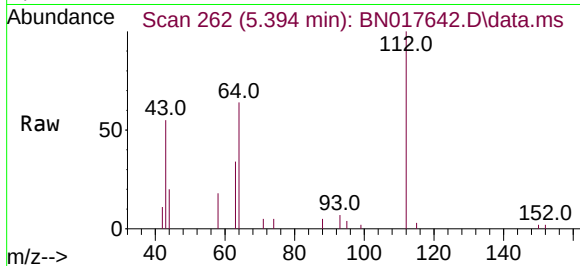




#4
2-Fluorophenol
Concen: 0.108 ng
RT: 5.394 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

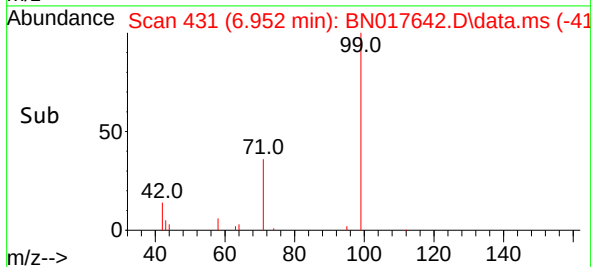
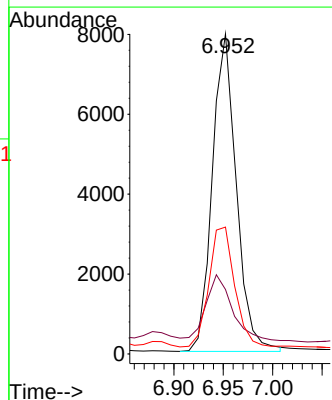
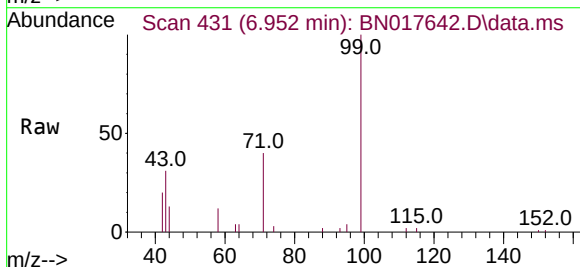
Instrument :
BNA_N
ClientSampleId :
CS-2B

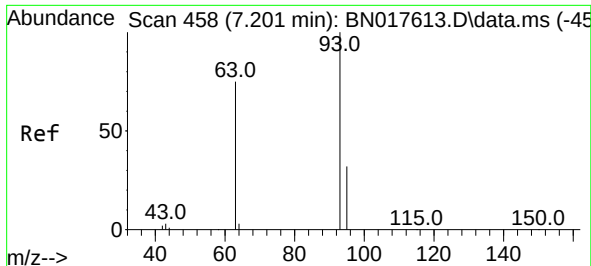
Tgt Ion:112 Resp: 6269
Ion Ratio Lower Upper
112 100
64 64.6 47.6 71.4
63 32.8 24.6 37.0



#5
Phenol-d6
Concen: 0.218 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion: 99 Resp: 13430
Ion Ratio Lower Upper
99 100
42 22.5 17.0 25.6
71 40.4 24.8 37.2#

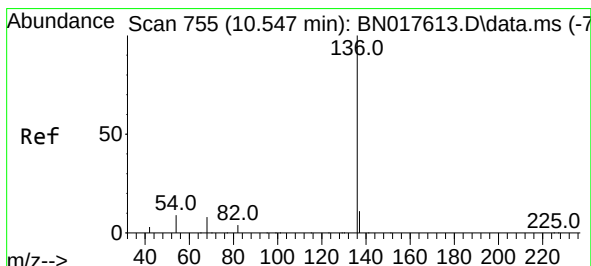
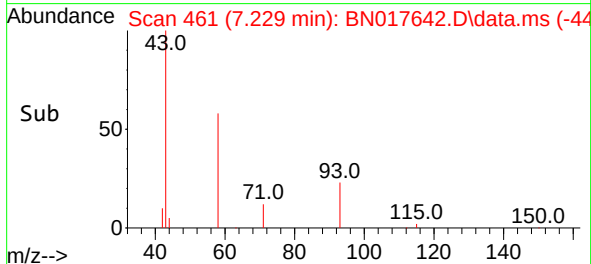
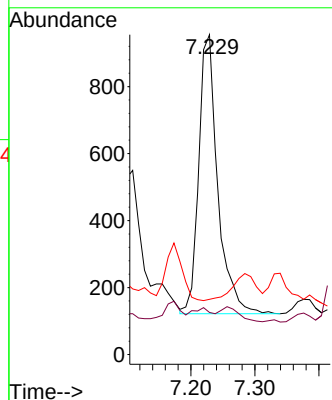
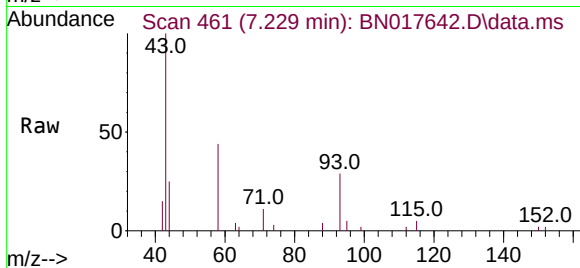




#6
bis(2-Chloroethyl)ether
Concen: 0.024 ng
RT: 7.229 min Scan# 461
Delta R.T. 0.028 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

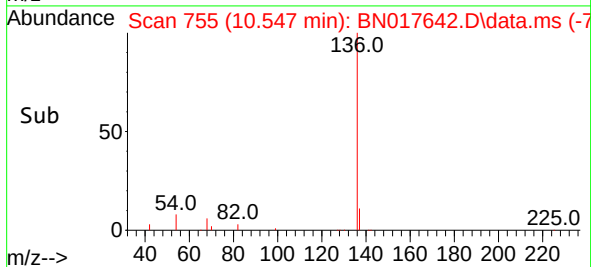
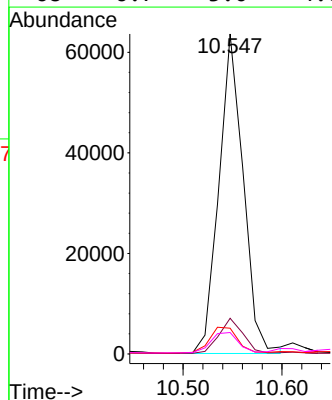
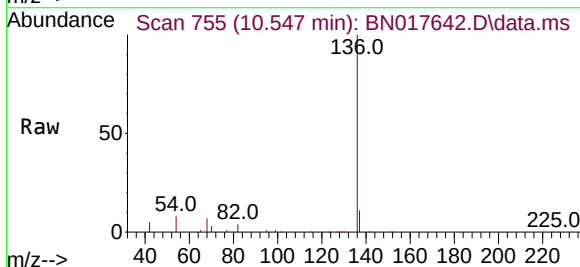
Instrument :
BNA_N
ClientSampleId :
CS-2B

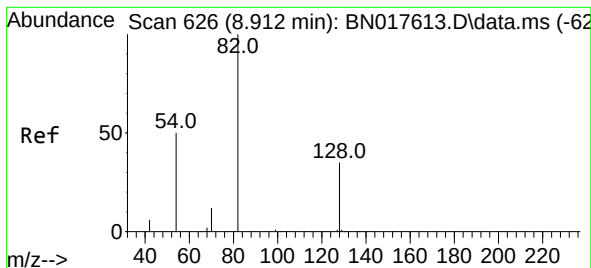
Tgt Ion: 93 Resp: 1719
Ion Ratio Lower Upper
93 100
63 4.3 65.8 98.6#
95 0.0 26.6 39.8#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion: 136 Resp: 108835
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.0 4.0 6.0#
68 6.7 3.0 4.6#





#8

Nitrobenzene-d5

Concen: 0.381 ng

RT: 8.913 min Scan# 61

Delta R.T. 0.001 min

Lab File: BN017642.D

Acq: 01 Dec 2021 09:46

Instrument :

BNA_N

ClientSampleId :

CS-2B

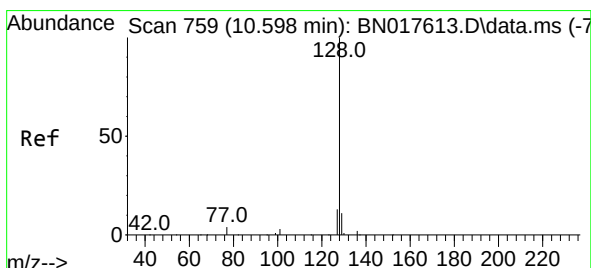
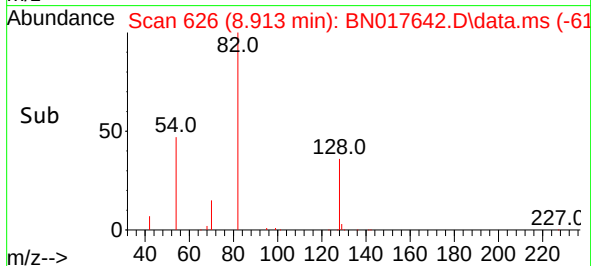
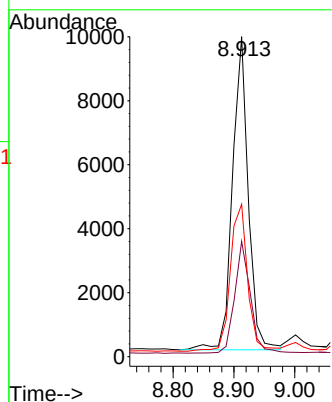
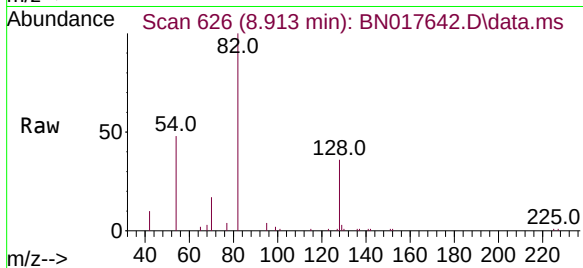
Tgt Ion: 82 Resp: 17605

Ion Ratio Lower Upper

82 100

128 36.0 27.7 41.5

54 47.7 49.2 73.8#



#9

Naphthalene

Concen: 1.086 ng

RT: 10.598 min Scan# 759

Delta R.T. 0.000 min

Lab File: BN017642.D

Acq: 01 Dec 2021 09:46

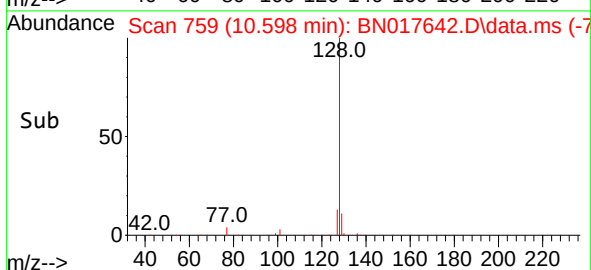
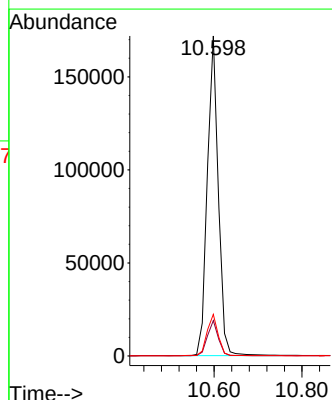
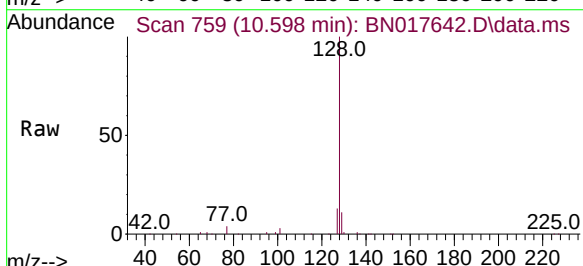
Tgt Ion: 128 Resp: 297989

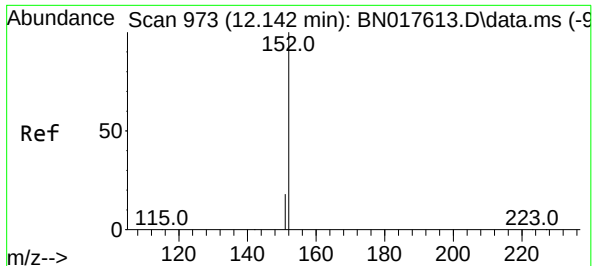
Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.0 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.293 ng

RT: 12.138 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017642.D

Acq: 01 Dec 2021 09:46

Instrument :

BNA_N

ClientSampleId :

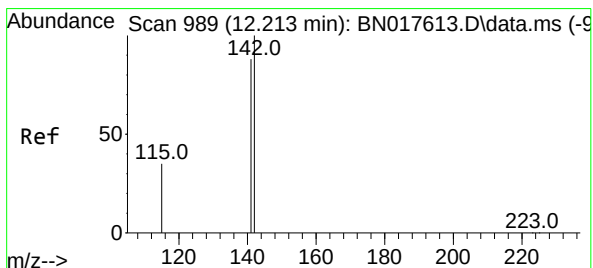
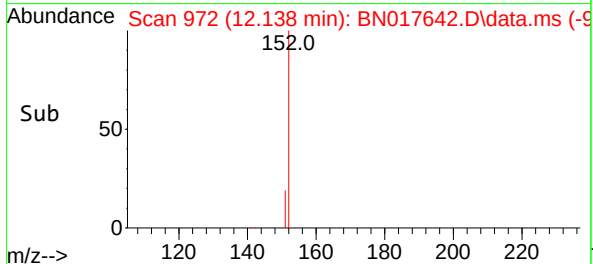
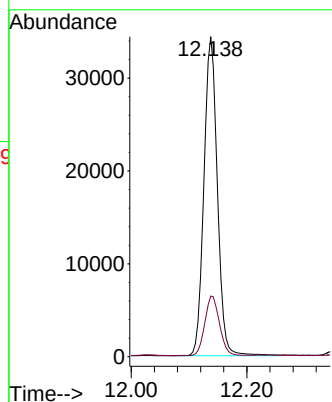
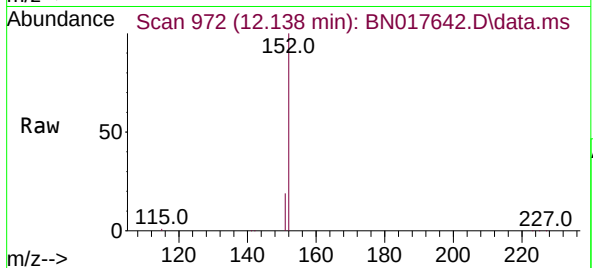
CS-2B

Tgt Ion:152 Resp: 55689

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.473 ng

RT: 12.209 min Scan# 988

Delta R.T. -0.004 min

Lab File: BN017642.D

Acq: 01 Dec 2021 09:46

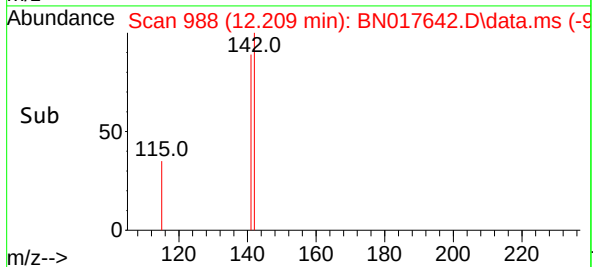
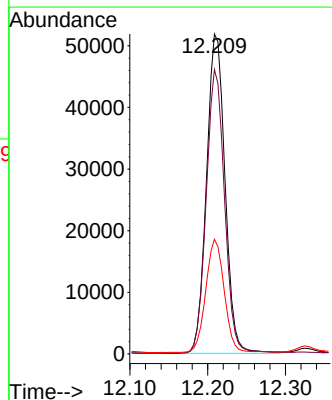
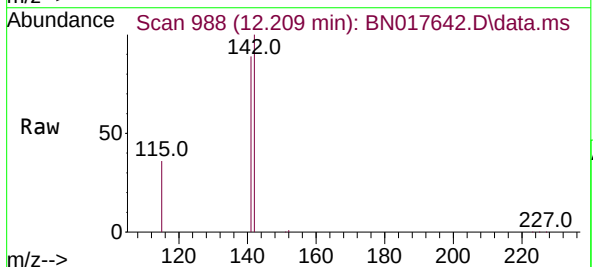
Tgt Ion:142 Resp: 85679

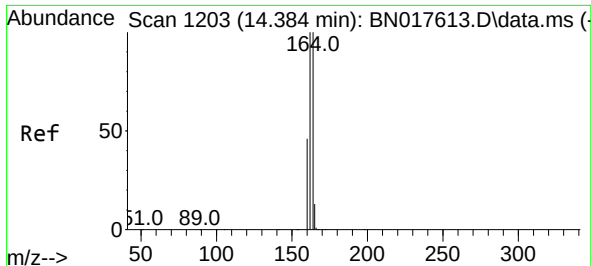
Ion Ratio Lower Upper

142 100

141 88.9 70.6 106.0

115 35.8 25.8 38.6

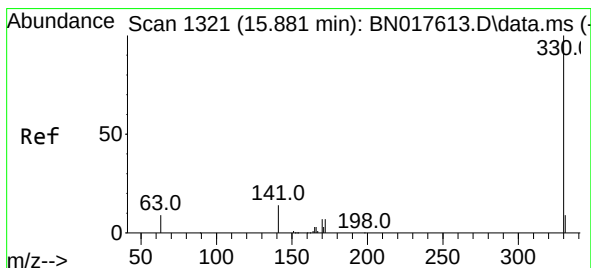
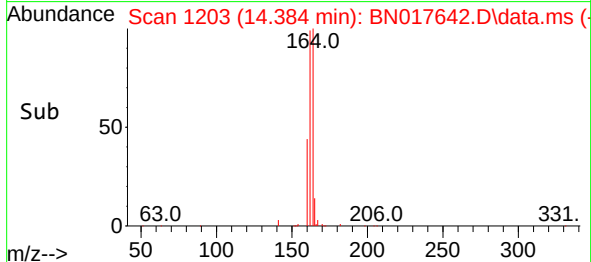
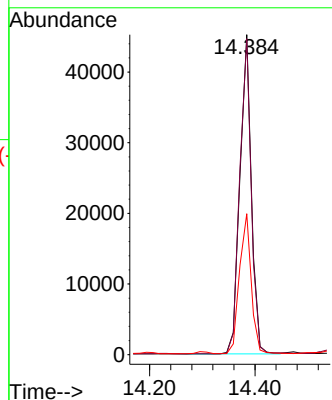
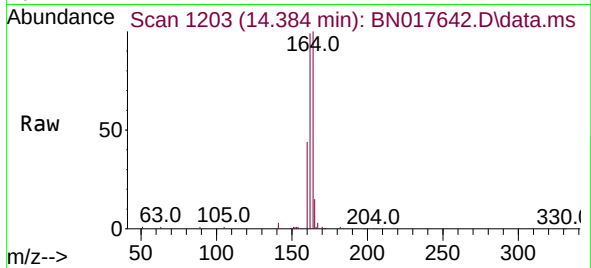




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

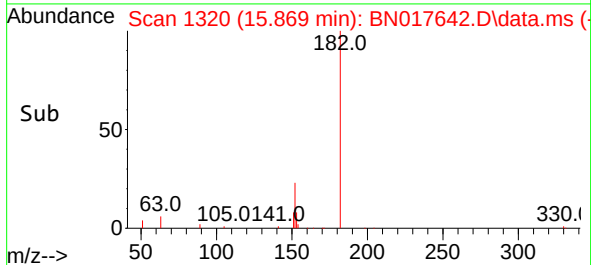
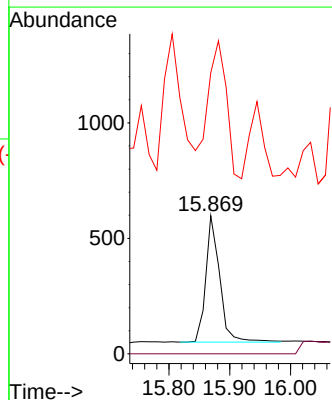
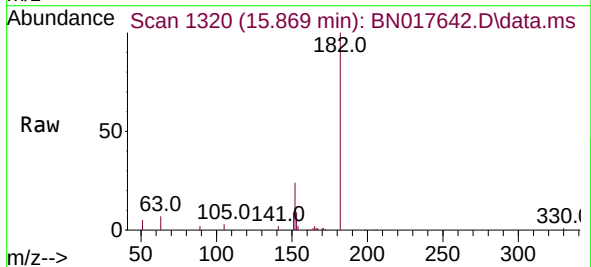
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CS-2B

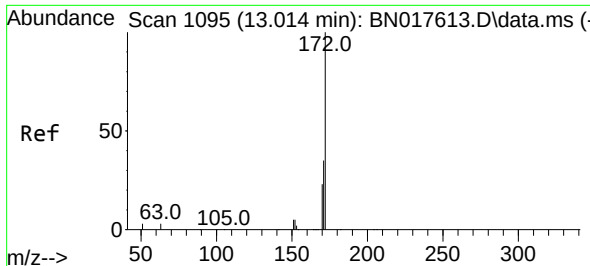
Tgt Ion:164 Resp: 67950
Ion Ratio Lower Upper
164 100
162 98.8 81.4 122.2
160 44.0 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.146 ng
RT: 15.869 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion:330 Resp: 876
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 142.9 28.9 43.3#

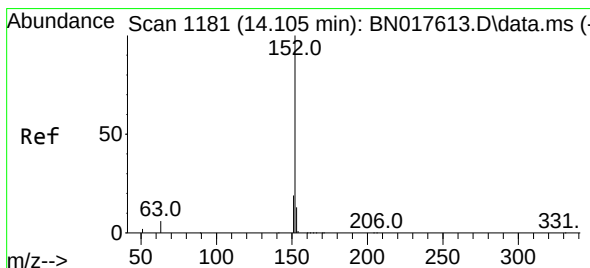
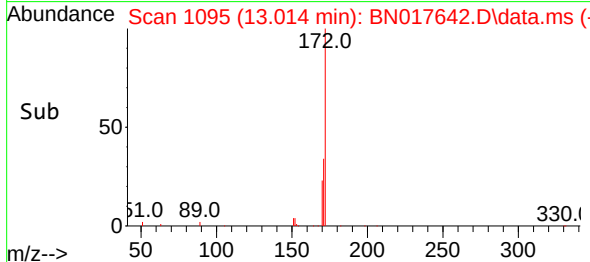
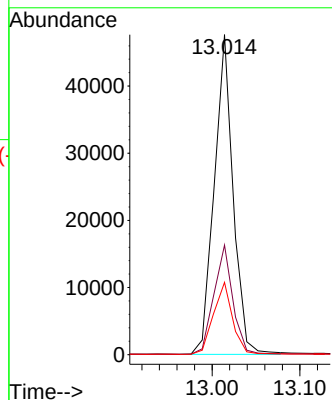
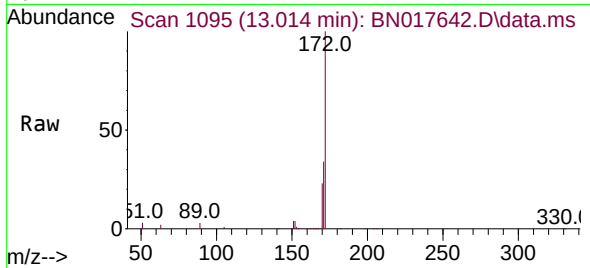




#15
2-Fluorobiphenyl
Concen: 0.268 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

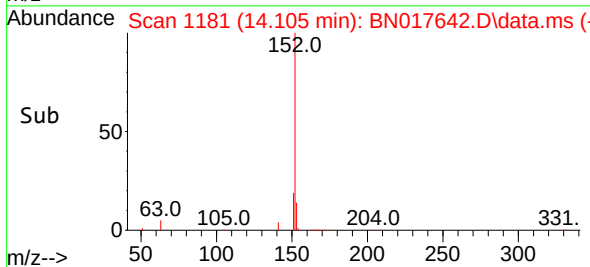
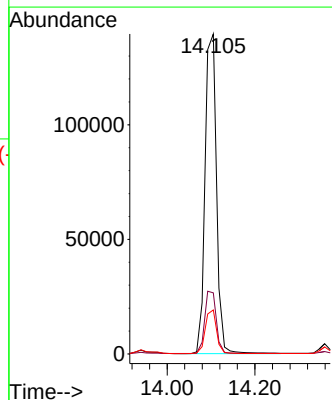
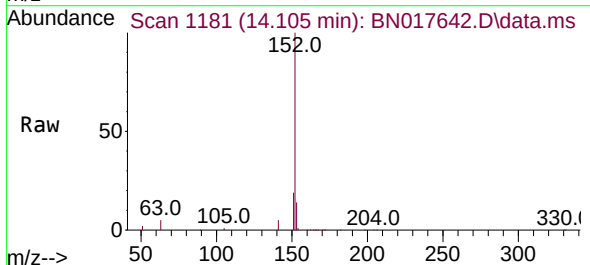
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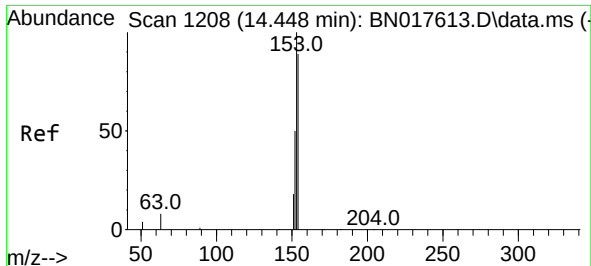
Tgt Ion:172 Resp: 70994
Ion Ratio Lower Upper
172 100
171 34.3 28.7 43.1
170 22.6 19.4 29.2



#16
Acenaphthylene
Concen: 0.951 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion:152 Resp: 251917
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.5 10.4 15.6

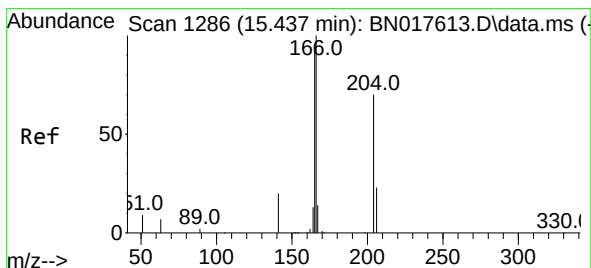
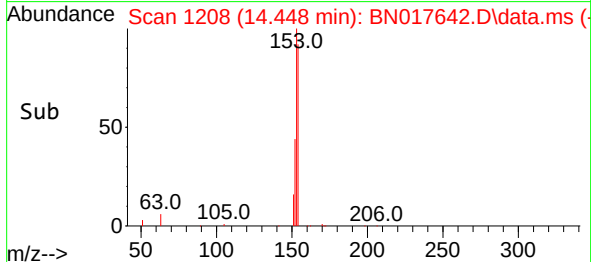
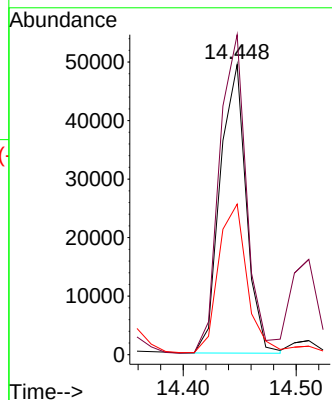
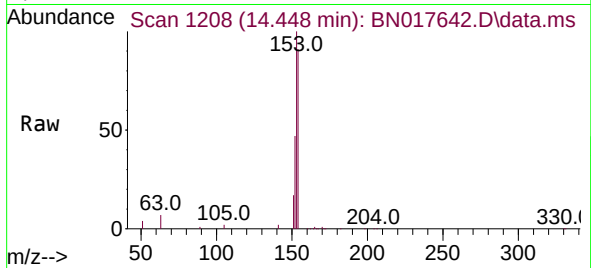




#17
Acenaphthene
Concen: 0.431 ng
RT: 14.448 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

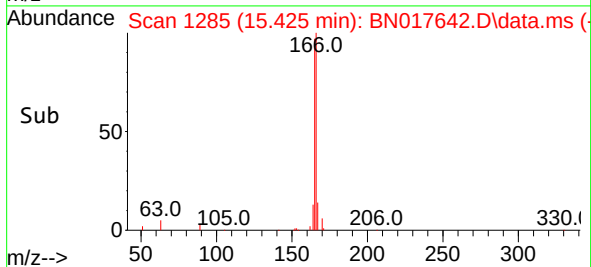
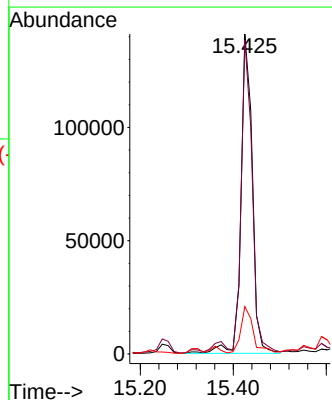
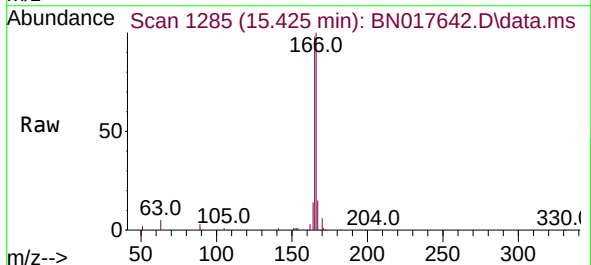
Instrument :
BNA_N
ClientSampleId :
CS-2B

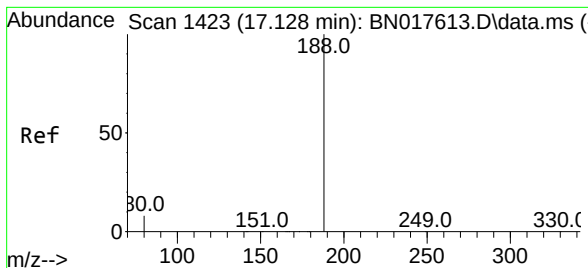
Tgt Ion:154 Resp: 79047
Ion Ratio Lower Upper
154 100
153 113.5 91.2 136.8
152 59.3 44.3 66.5



#18
Fluorene
Concen: 1.070 ng
RT: 15.425 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion:166 Resp: 238293
Ion Ratio Lower Upper
166 100
165 93.0 77.9 116.9
167 15.6 10.9 16.3

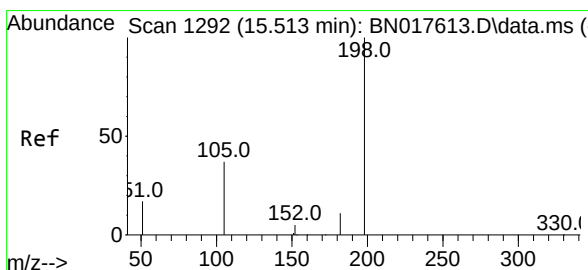
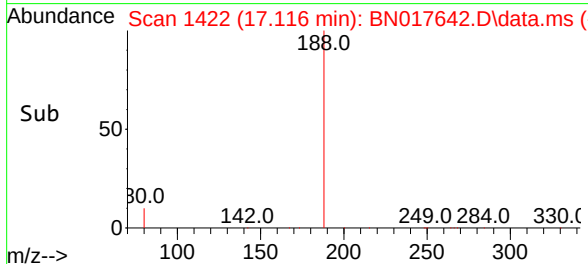
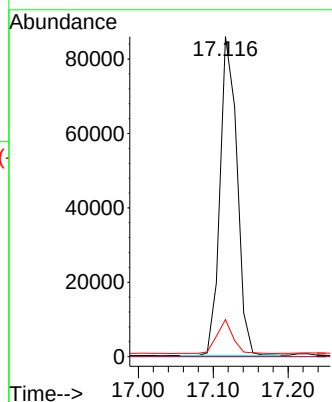
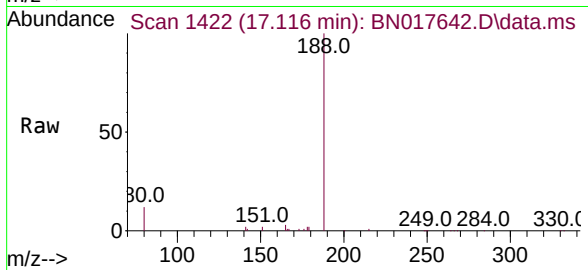




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

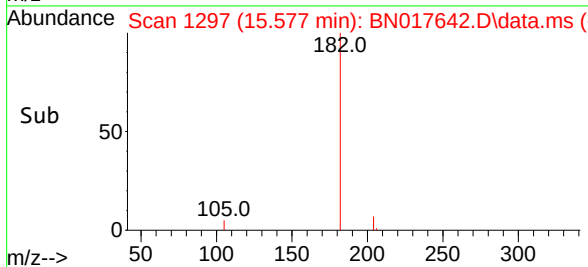
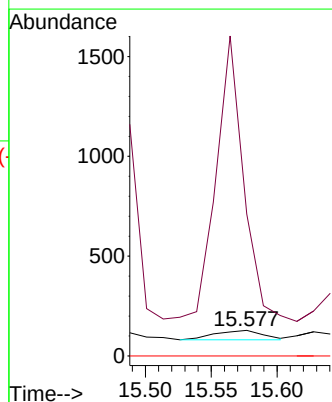
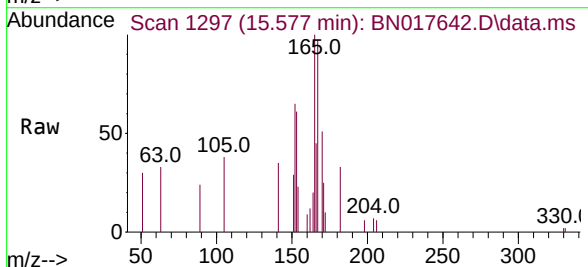
Instrument :
BNA_N
ClientSampleId :
CS-2B

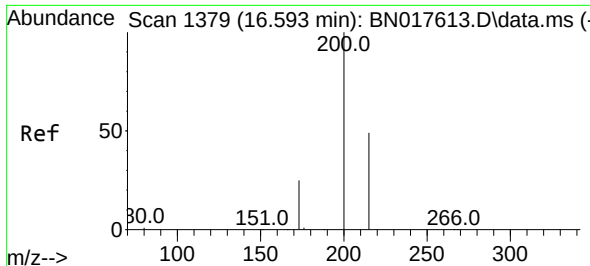
Tgt Ion:188 Resp: 135541
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 6.1 9.1#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.077 ng
RT: 15.577 min Scan# 1297
Delta R.T. 0.064 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion:198 Resp: 120
Ion Ratio Lower Upper
198 100
182 555.5 11.4 17.2#
77 0.0 0.0 0.0

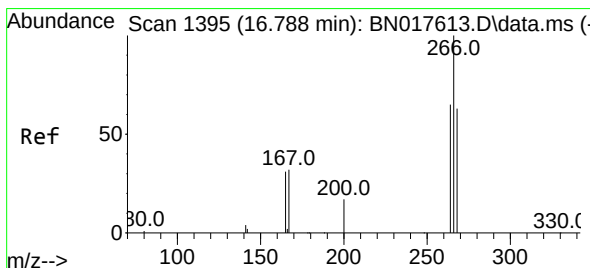
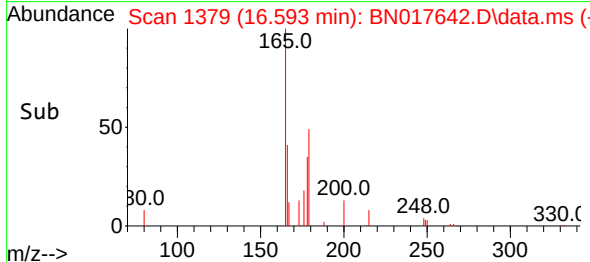
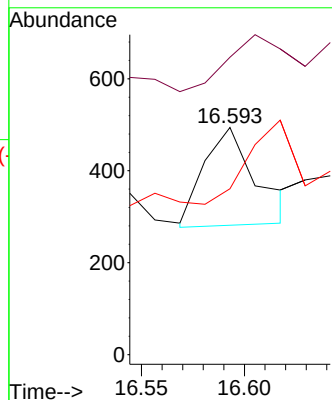
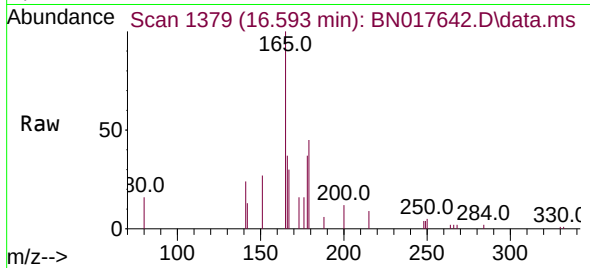




#23
 Atrazine
 Concen: 0.137 ng
 RT: 16.593 min Scan# 1379
 Delta R.T. -0.000 min
 Lab File: BN017642.D
 Acq: 01 Dec 2021 09:46

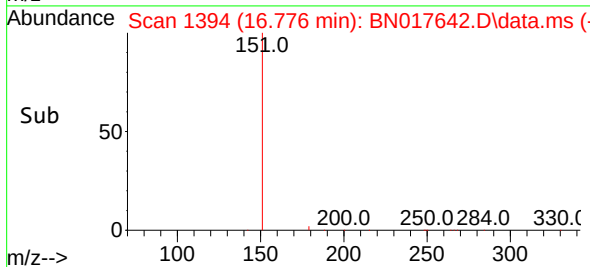
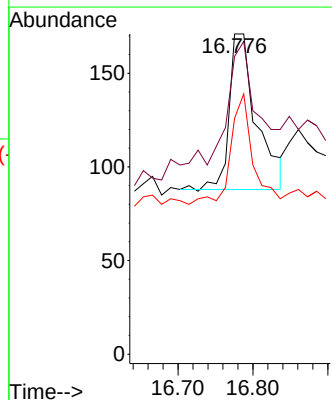
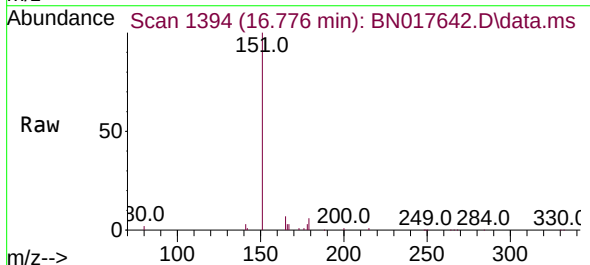
Instrument :
 BNA_N
 ClientSampleId :
 CS-2B

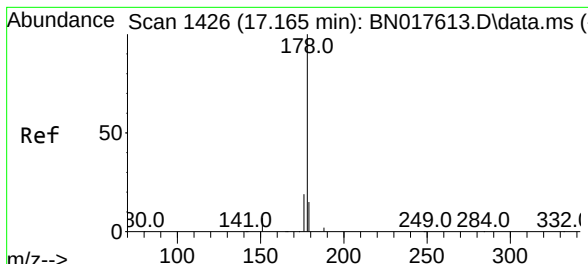
Tgt Ion:200 Resp: 376
 Ion Ratio Lower Upper
 200 100
 173 131.0 17.6 26.4#
 215 73.1 40.2 60.4#



#24
 Pentachlorophenol
 Concen: 0.197 ng
 RT: 16.776 min Scan# 1394
 Delta R.T. -0.012 min
 Lab File: BN017642.D
 Acq: 01 Dec 2021 09:46

Tgt Ion:266 Resp: 212
 Ion Ratio Lower Upper
 266 100
 264 81.1 49.8 74.8#
 268 57.1 51.3 76.9

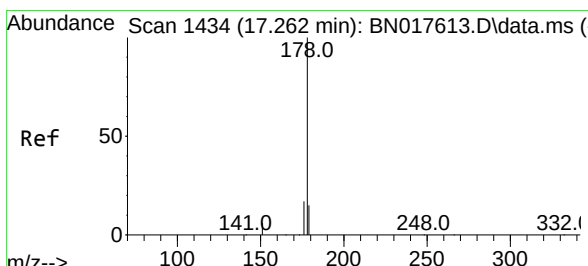
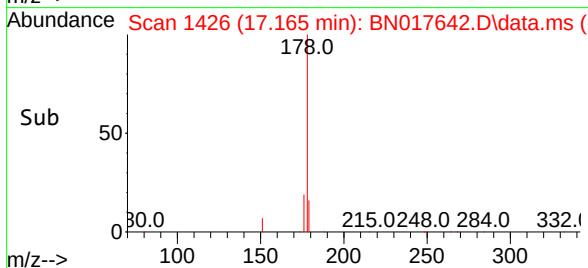
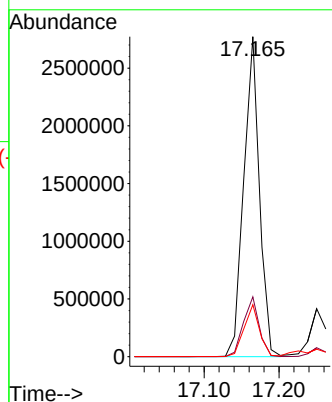
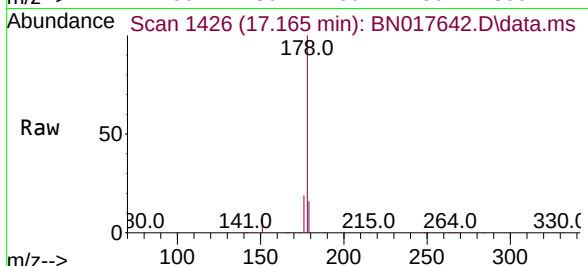




#25
 Phenanthrene
 Concen: 10.824 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. -0.000 min
 Lab File: BN017642.D
 Acq: 01 Dec 2021 09:46

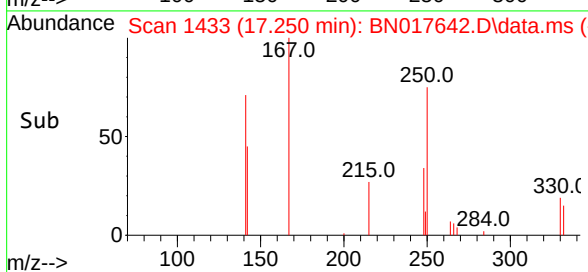
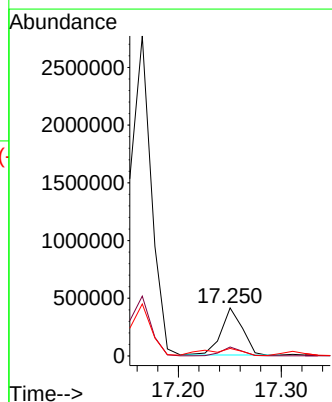
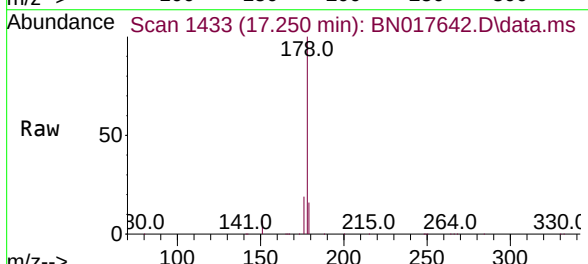
Instrument :
 BNA_N
 ClientSampleId :
 CS-2B

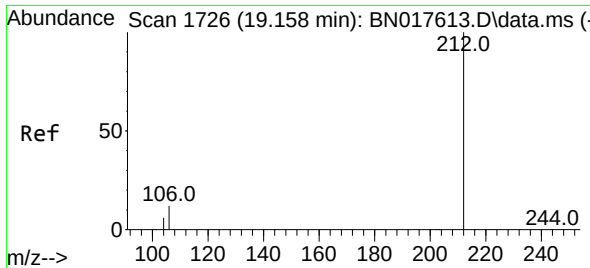
Tgt Ion:178 Resp: 4023776
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 16.1 12.3 18.5



#26
 Anthracene
 Concen: 1.823 ng
 RT: 17.250 min Scan# 1433
 Delta R.T. -0.012 min
 Lab File: BN017642.D
 Acq: 01 Dec 2021 09:46

Tgt Ion:178 Resp: 582362
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 22.0
 179 25.2 12.2 18.4#

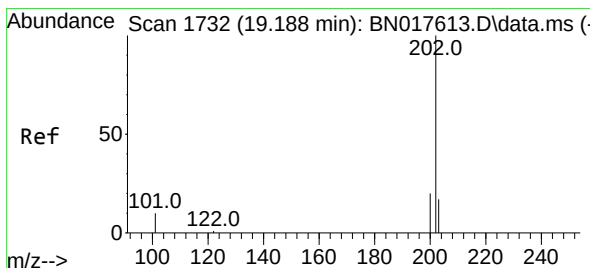
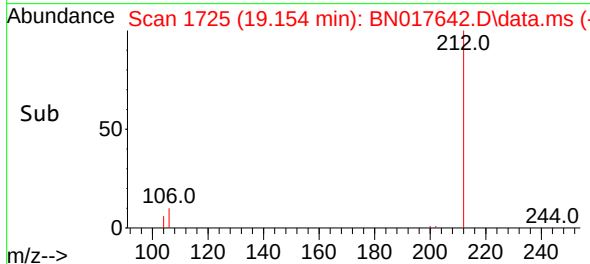
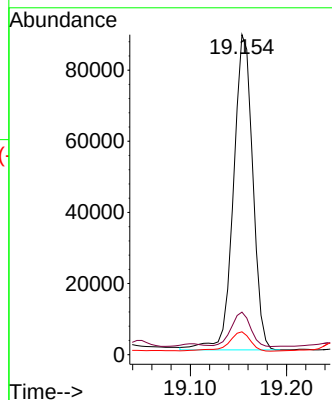
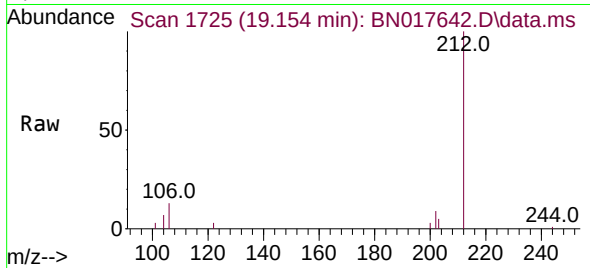




#27
Fluoranthene-d10
Concen: 0.292 ng
RT: 19.154 min Scan# 1725
Delta R.T. -0.004 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

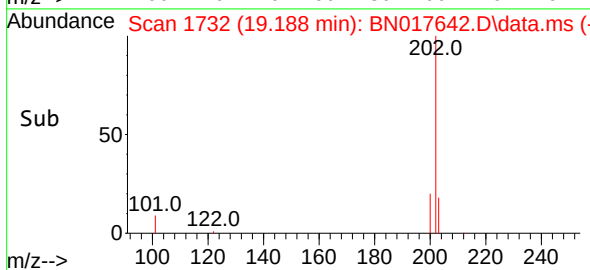
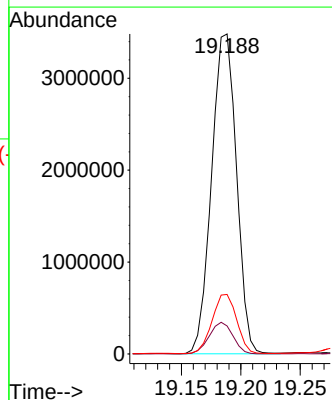
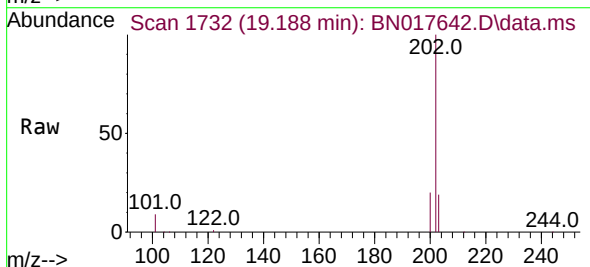
Instrument :
BNA_N
ClientSampleId :
CS-2B

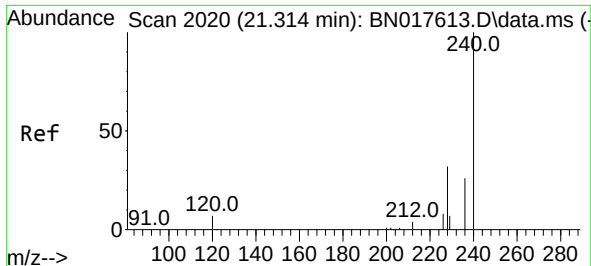
Tgt Ion:212 Resp: 123541
Ion Ratio Lower Upper
212 100
106 10.8 10.5 15.7
104 7.0 5.8 8.6



#28
Fluoranthene
Concen: 12.064 ng
RT: 19.188 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion:202 Resp: 5075406
Ion Ratio Lower Upper
202 100
101 9.4 8.9 13.3
203 18.2 13.8 20.6

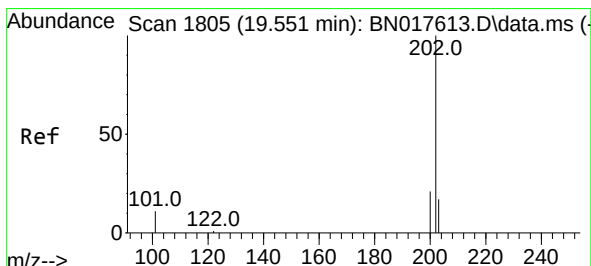
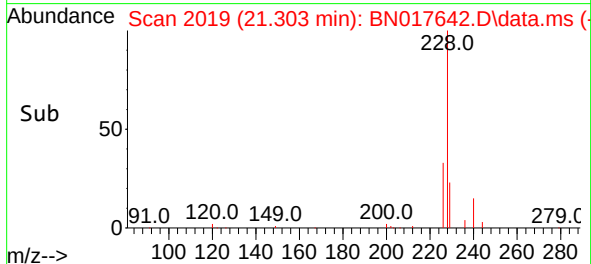
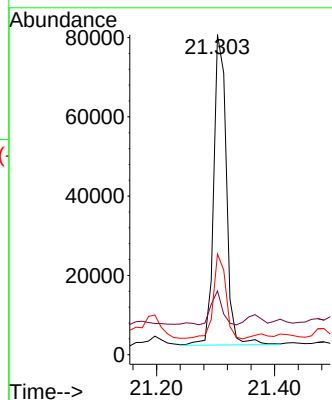
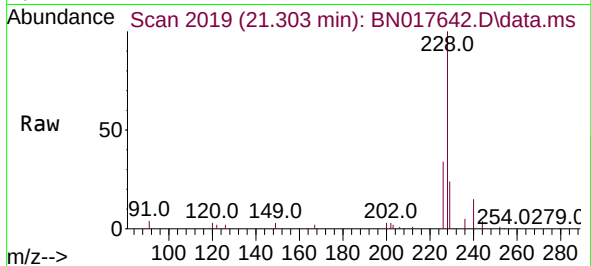




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 20
Delta R.T. -0.011 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

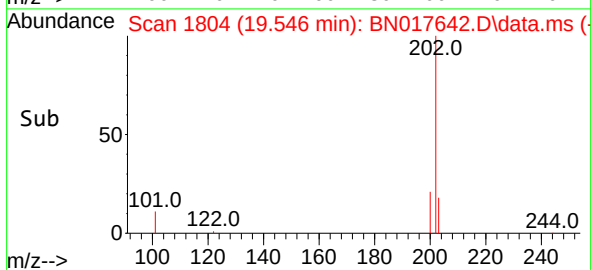
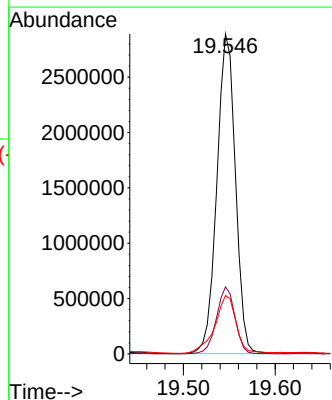
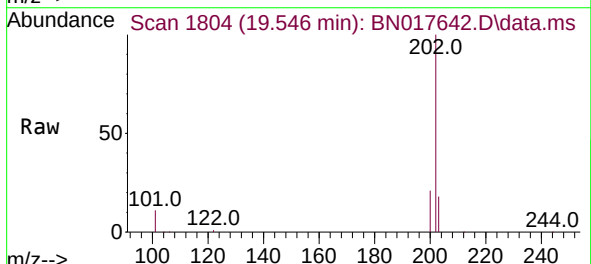
Instrument :
BNA_N
ClientSampleId :
CS-2B

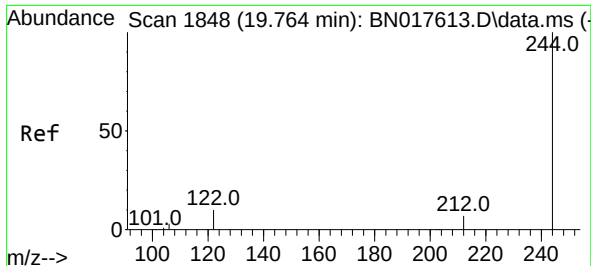
Tgt Ion:240 Resp: 117016
Ion Ratio Lower Upper
240 100
120 19.9 4.2 6.2#
236 31.5 20.0 30.0#



#30
Pyrene
Concen: 10.755 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion:202 Resp: 4062587
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 20.6 14.0 21.0

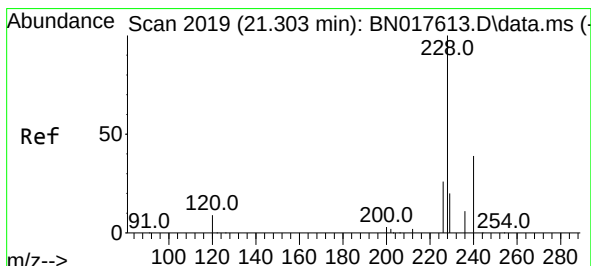
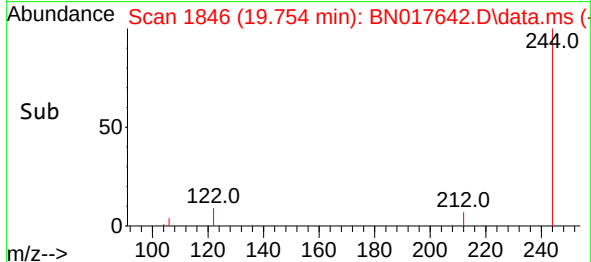
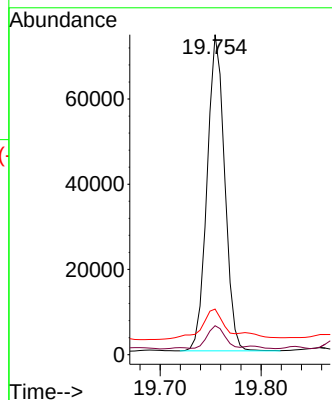
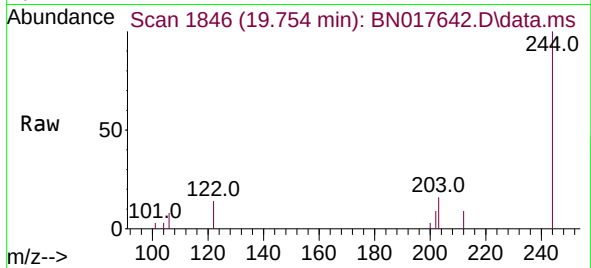




#31
 Terphenyl-d14
 Concen: 0.350 ng
 RT: 19.754 min Scan# 1848
 Delta R.T. -0.010 min
 Lab File: BN017642.D
 Acq: 01 Dec 2021 09:46

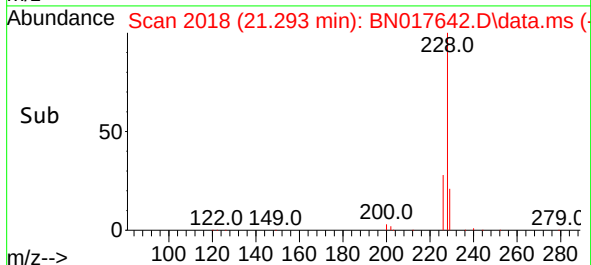
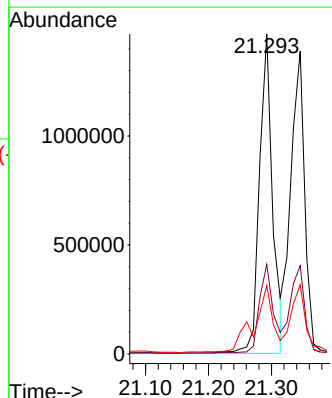
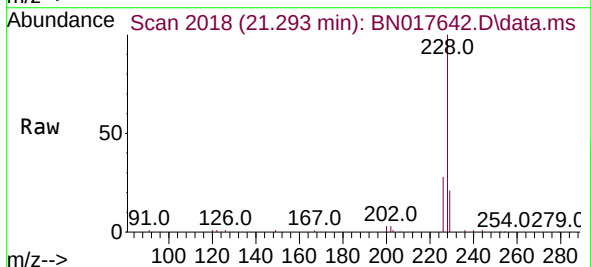
Instrument :
 BNA_N
 ClientSampleId :
 CS-2B

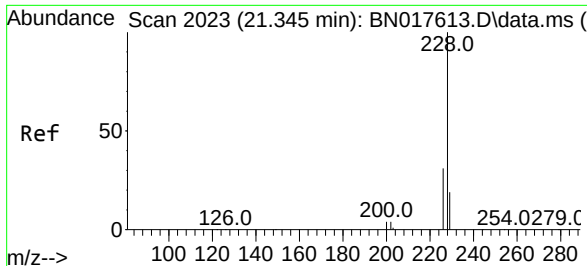
Tgt Ion:244 Resp: 89776
 Ion Ratio Lower Upper
 244 100
 212 9.1 5.7 8.5#
 122 14.3 8.6 13.0#



#32
 Benzo(a)anthracene
 Concen: 5.983 ng
 RT: 21.293 min Scan# 2018
 Delta R.T. -0.010 min
 Lab File: BN017642.D
 Acq: 01 Dec 2021 09:46

Tgt Ion:228 Resp: 2126502
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.3 31.9
 229 21.4 15.7 23.5





#33

Chrysene

Concen: 5.474 ng

RT: 21.346 min Scan# 20

Delta R.T. 0.001 min

Lab File: BN017642.D

Acq: 01 Dec 2021 09:46

Instrument :

BNA_N

ClientSampleId :

CS-2B

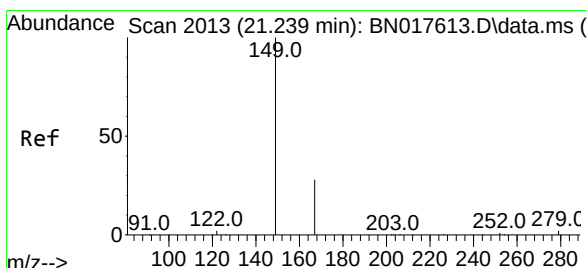
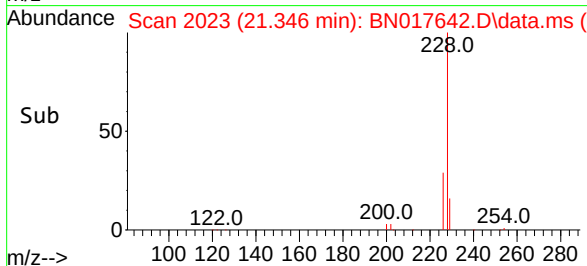
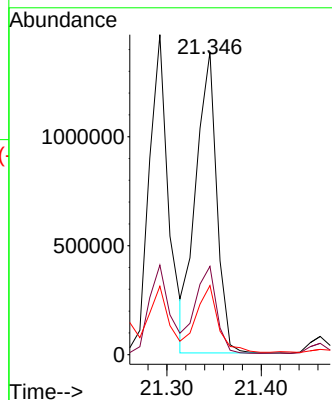
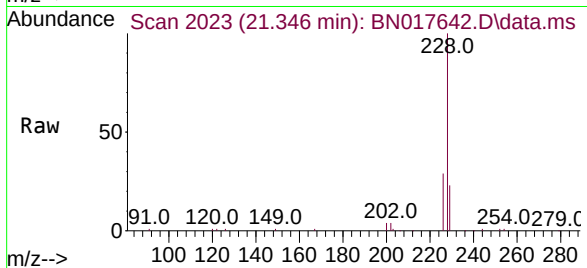
Tgt Ion:228 Resp: 2116558

Ion Ratio Lower Upper

228 100

226 29.2 23.3 34.9

229 22.8 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.718 ng

RT: 21.239 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BN017642.D

Acq: 01 Dec 2021 09:46

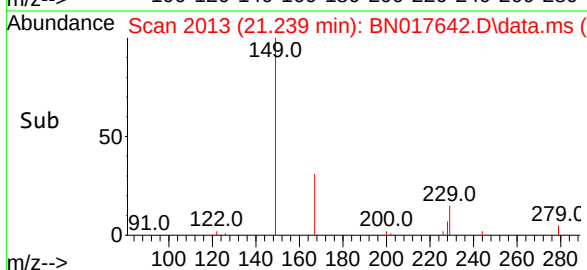
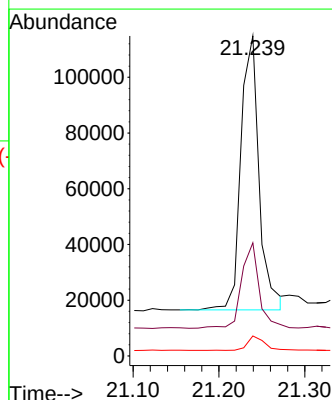
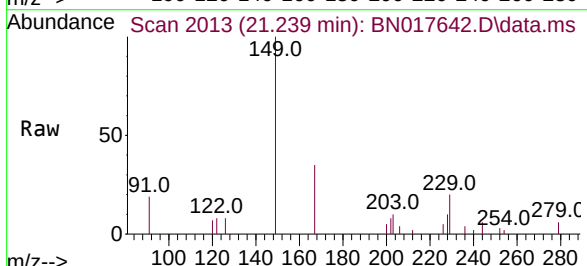
Tgt Ion:149 Resp: 144844

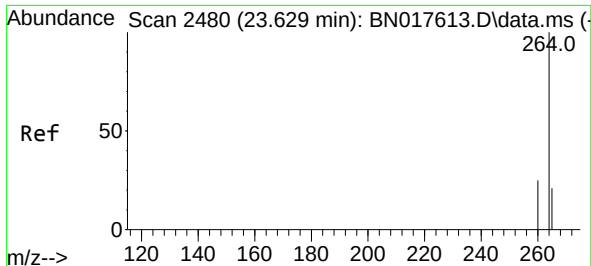
Ion Ratio Lower Upper

149 100

167 30.0 21.8 32.6

279 4.9 3.4 5.0

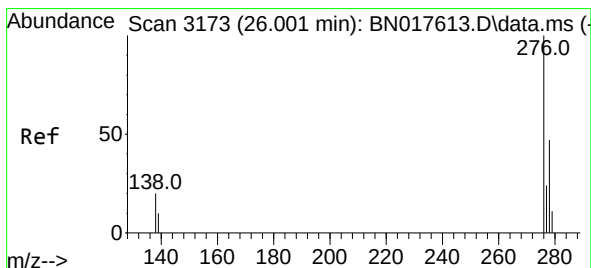
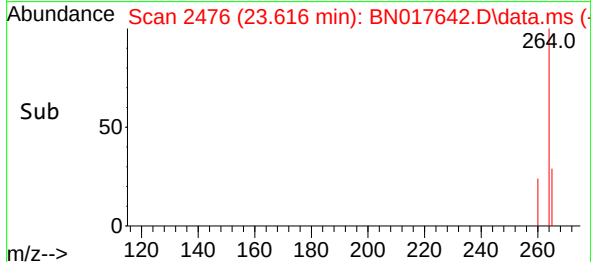
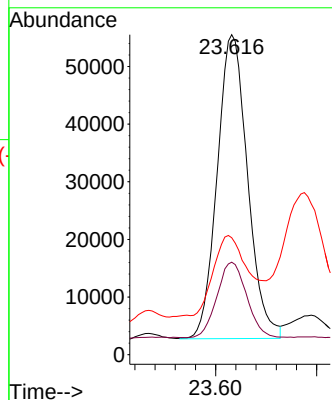
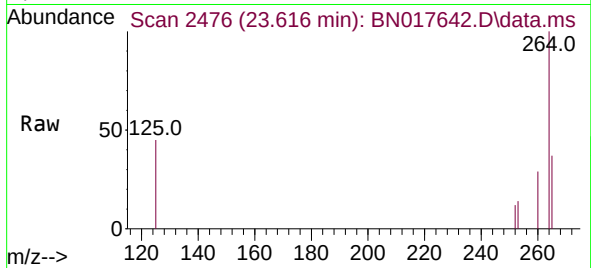




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.616 min Scan# 2480
 Delta R.T. -0.014 min
 Lab File: BN017642.D
 Acq: 01 Dec 2021 09:46

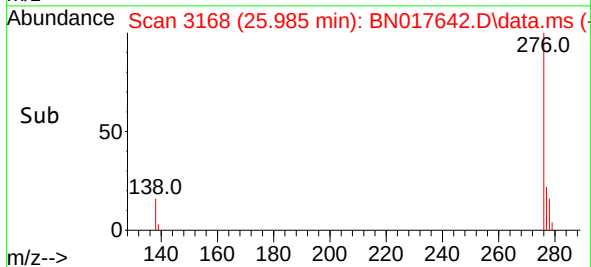
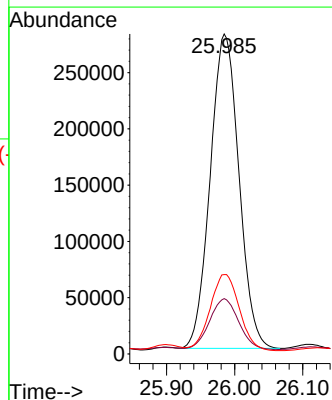
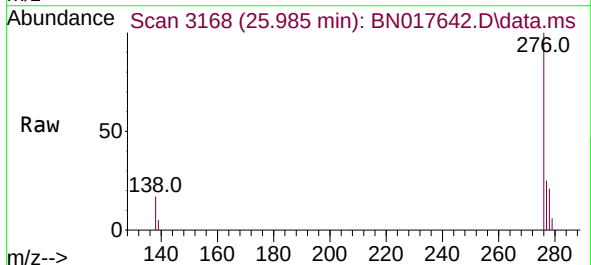
Instrument :
 BNA_N
 ClientSampleId :
 CS-2B

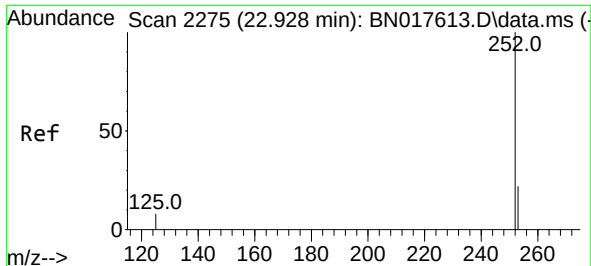
Tgt Ion:264 Resp: 110407
 Ion Ratio Lower Upper
 264 100
 260 28.9 19.4 29.2
 265 36.5 18.6 28.0#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 2.284 ng
 RT: 25.985 min Scan# 3168
 Delta R.T. -0.017 min
 Lab File: BN017642.D
 Acq: 01 Dec 2021 09:46

Tgt Ion:276 Resp: 818835
 Ion Ratio Lower Upper
 276 100
 138 16.4 19.7 29.5#
 277 24.8 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 7.107 ng

RT: 22.921 min Scan# 21

Delta R.T. -0.007 min

Lab File: BN017642.D

Acq: 01 Dec 2021 09:46

Instrument :

BNA_N

ClientSampleId :

CS-2B

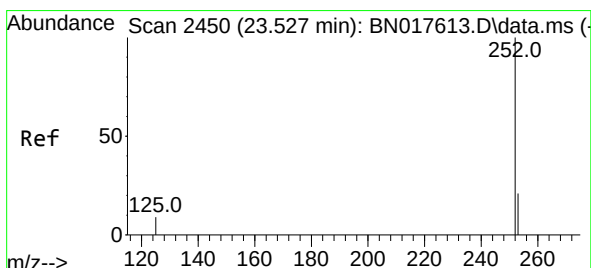
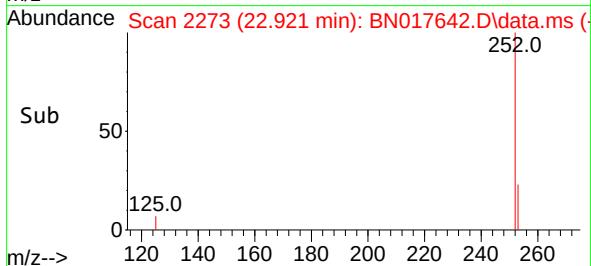
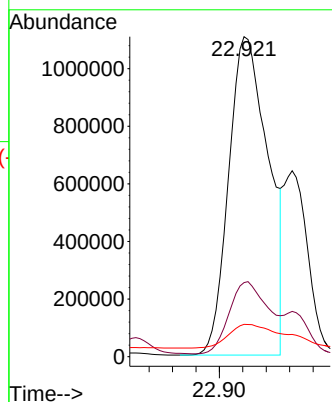
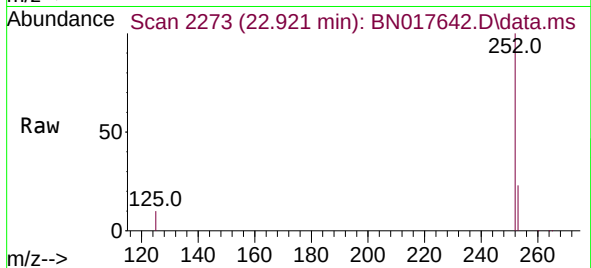
Tgt Ion:252 Resp: 2602090

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 10.1 7.8 11.8



#39

Benzo(a)pyrene

Concen: 4.423 ng

RT: 23.517 min Scan# 2447

Delta R.T. -0.010 min

Lab File: BN017642.D

Acq: 01 Dec 2021 09:46

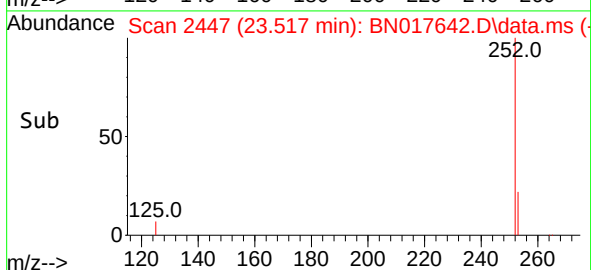
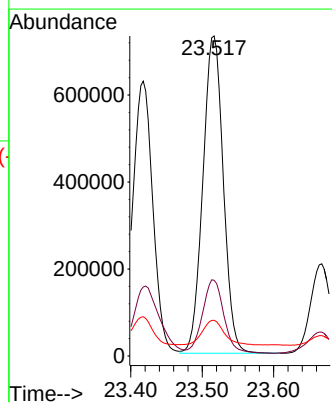
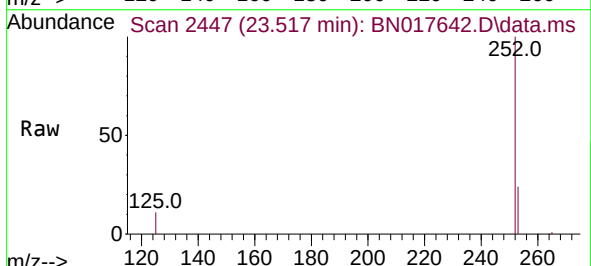
Tgt Ion:252 Resp: 1449670

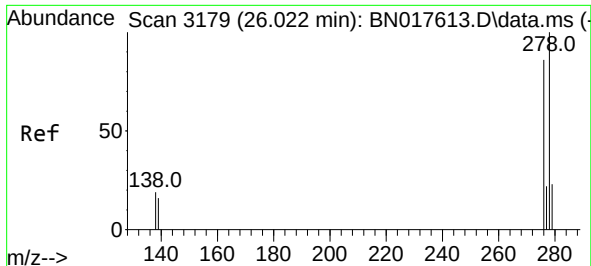
Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 11.2 9.2 13.8

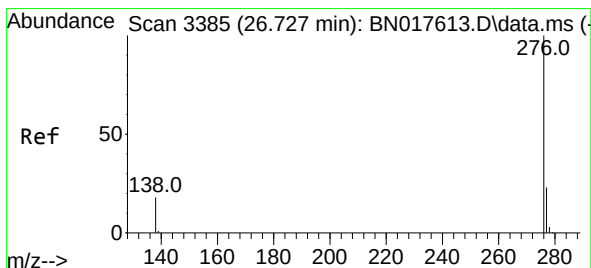
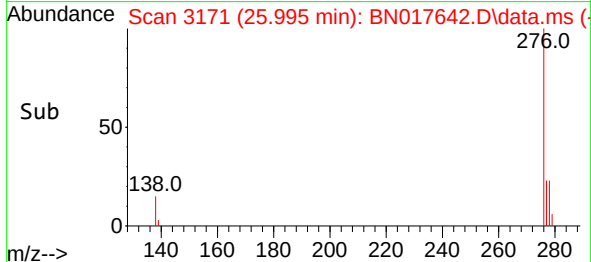
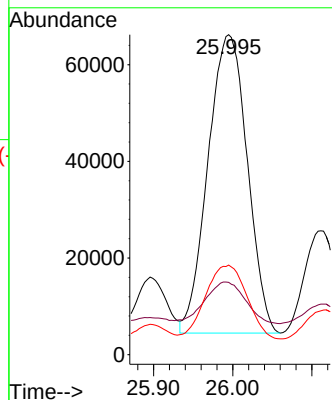
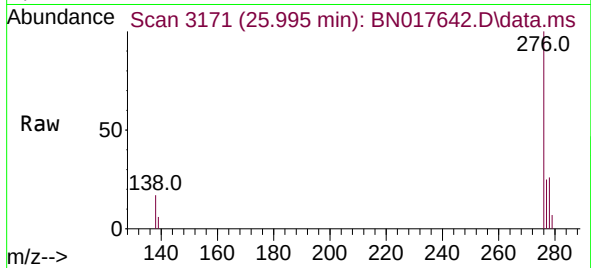




#40
Dibenzo(a,h)anthracene
Concen: 0.727 ng
RT: 25.995 min Scan# 3179
Delta R.T. -0.027 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Instrument :
BNA_N
ClientSampleId :
CS-2B

Tgt Ion:278 Resp: 213107
Ion Ratio Lower Upper
278 100
139 22.6 13.0 19.6#
279 28.0 19.2 28.8



#41
Benzo(g,h,i)perylene
Concen: 2.320 ng
RT: 26.714 min Scan# 3381
Delta R.T. -0.014 min
Lab File: BN017642.D
Acq: 01 Dec 2021 09:46

Tgt Ion:276 Resp: 699184
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.4
138 17.3 17.1 25.7

