

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017646.D
 Acq On : 01 Dec 2021 12:10
 Operator : CG/JU
 Sample : M4862-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-4A

Quant Time: Dec 01 12:42:21 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)

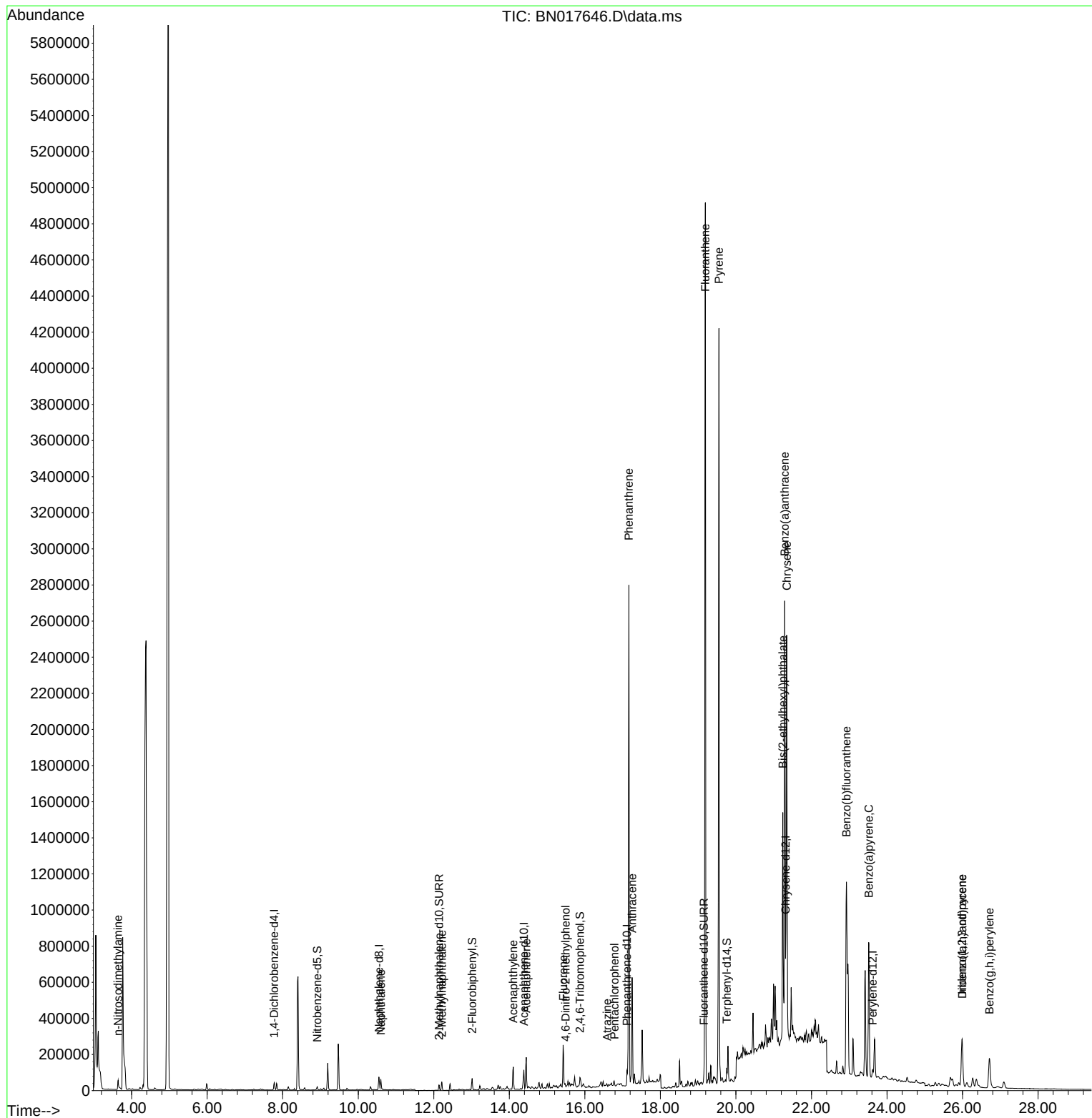
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	21130	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	89779	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	57087	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	117263	0.400	ng	#-0.01
29) Chrysene-d12	21.314	240	92732	0.400	ng	# 0.00
35) Perylene-d12	23.620	264	64762	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.403	112	63	0.001	ng	0.04
5) Phenol-d6	6.952	99	251	0.005	ng	0.00
8) Nitrobenzene-d5	8.913	82	13559	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	42721	0.273	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	53	0.126	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	55241	0.249	ng	0.00
27) Fluoranthene-d10	19.154	212	107325	0.293	ng	0.00
31) Terphenyl-d14	19.755	244	73538	0.362	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.642	42	16355	0.825	ng	# 1
9) Naphthalene	10.598	128	73312	0.324	ng	100
12) 2-Methylnaphthalene	12.213	142	35430	0.237	ng	98
16) Acenaphthylene	14.105	152	142789	0.641	ng	98
17) Acenaphthene	14.448	154	91319	0.593	ng	99
18) Fluorene	15.425	166	167128	0.893	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.488	198	146	0.085	ng	# 1
23) Atrazine	16.593	200	1051	0.150	ng	# 22
24) Pentachlorophenol	16.788	266	497	0.204	ng	86
25) Phenanthrene	17.165	178	2882696	8.963	ng	99
26) Anthracene	17.250	178	591455	2.140	ng	# 94
28) Fluoranthene	19.189	202	4709550	12.940	ng	97
30) Pyrene	19.551	202	4071799	13.602	ng	# 94
32) Benzo(a)anthracene	21.293	228	2127574	7.554	ng	97
33) Chrysene	21.346	228	2019919	6.592	ng	96
34) Bis(2-ethylhexyl)phtha...	21.240	149	1243045	18.606	ng	97
36) Indeno(1,2,3-cd)pyrene	25.988	276	450028	2.140	ng	# 92
37) Benzo(b)fluoranthene	22.925	252	1961583	9.134	ng	# 94
39) Benzo(a)pyrene	23.517	252	1116465	5.807	ng	# 95
40) Dibenzo(a,h)anthracene	25.995	278	117388	0.683	ng	# 76
41) Benzo(g,h,i)perylene	26.710	276	378934	2.143	ng	95

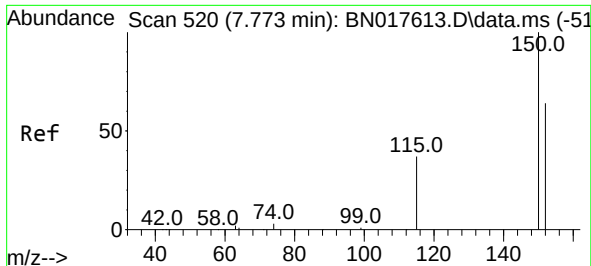
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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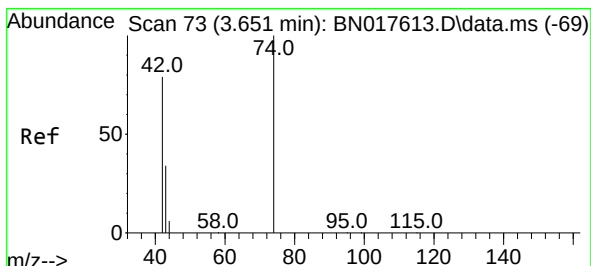
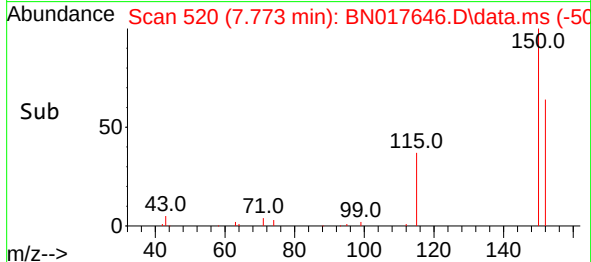
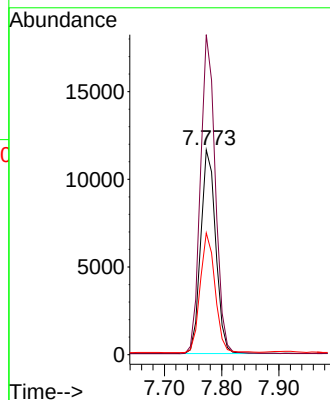
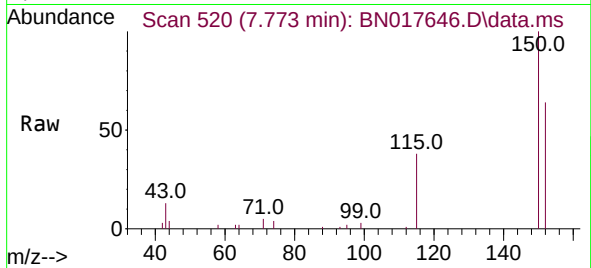




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

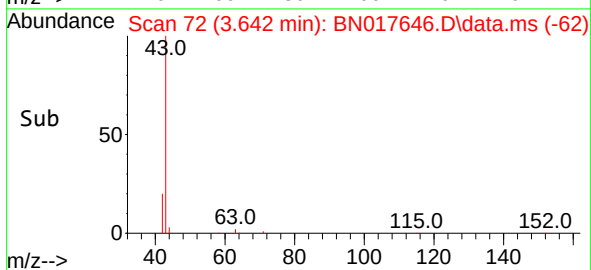
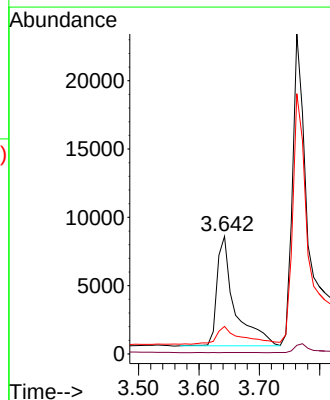
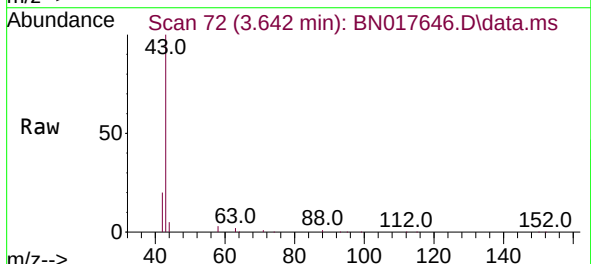
Instrument :
BNA_N
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CS-4A

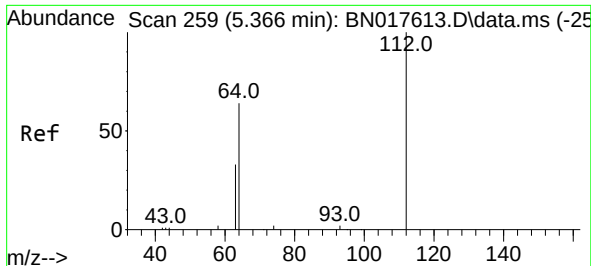
Tgt Ion:152 Resp: 21130
Ion Ratio Lower Upper
152 100
150 156.2 123.0 184.4
115 59.5 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.825 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion: 42 Resp: 16355
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 22.1 5.5 8.3#

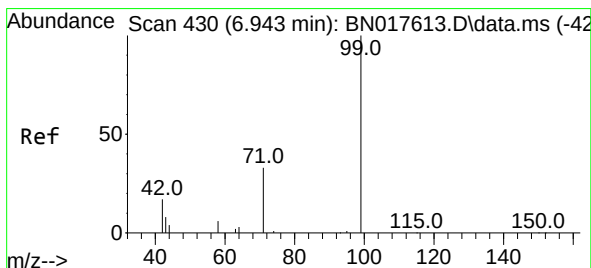
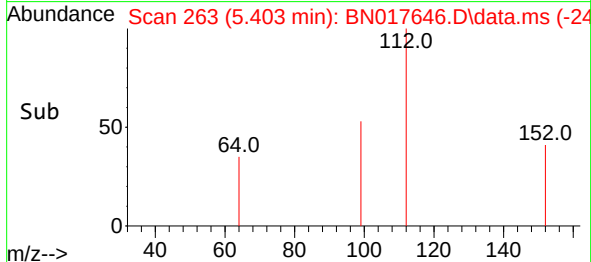
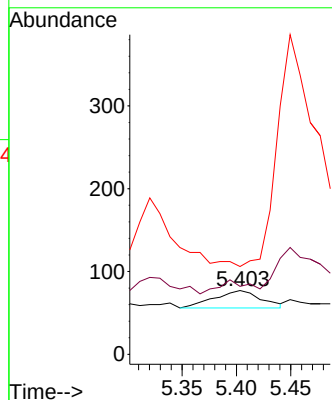
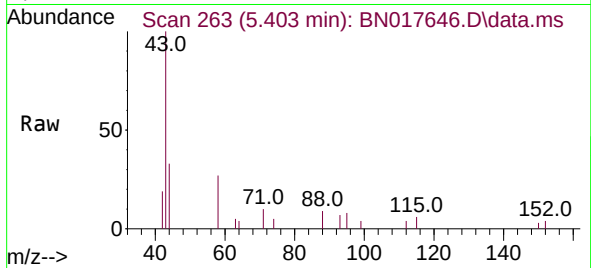




#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.403 min Scan# 21
Delta R.T. 0.037 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

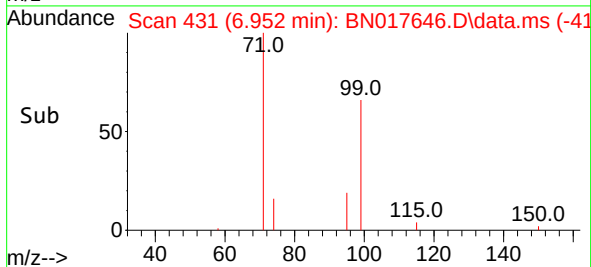
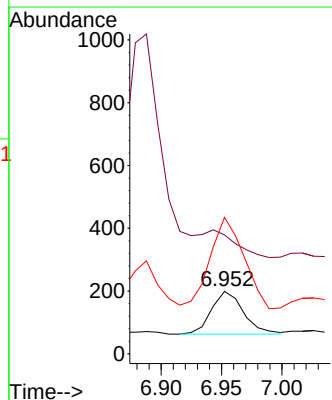
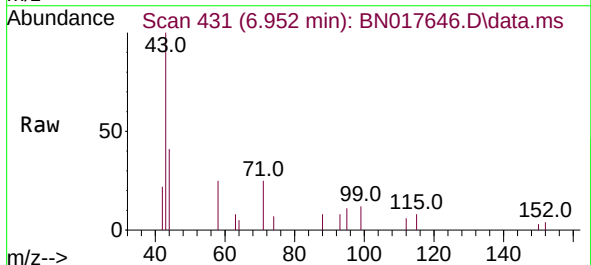
Instrument :
BNA_N
ClientSampleId :
CS-4A

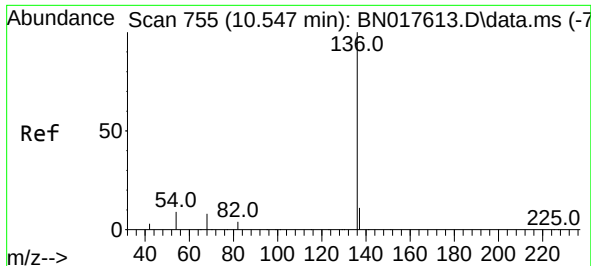
Tgt Ion:112 Resp: 63
Ion Ratio Lower Upper
112 100
64 50.8 47.6 71.4
63 0.0 24.6 37.0#



#5
Phenol-d6
Concen: 0.005 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.010 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion: 99 Resp: 251
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6#
71 222.7 24.8 37.2#

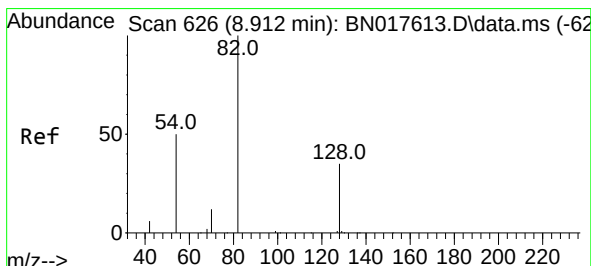
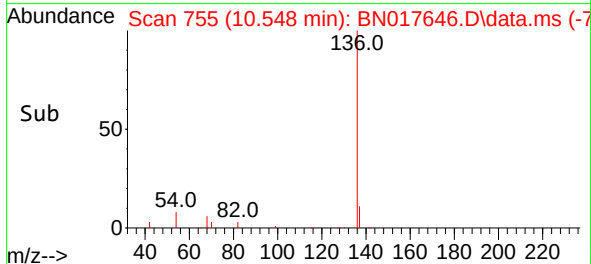
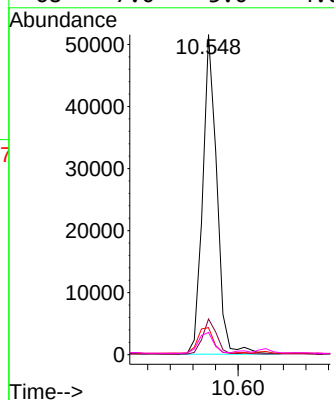
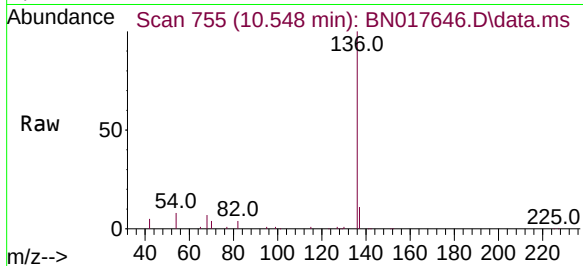




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

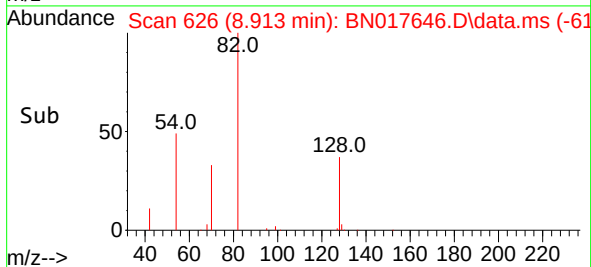
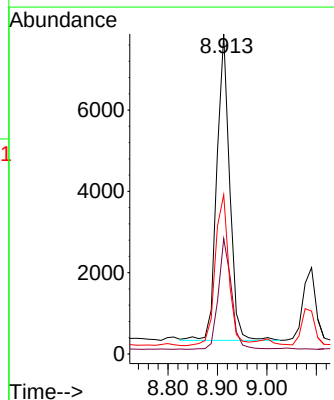
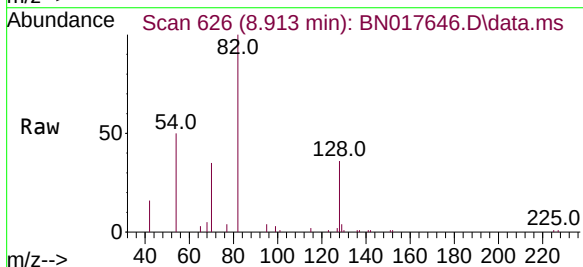
Instrument :
BNA_N
ClientSampleId :
CS-4A

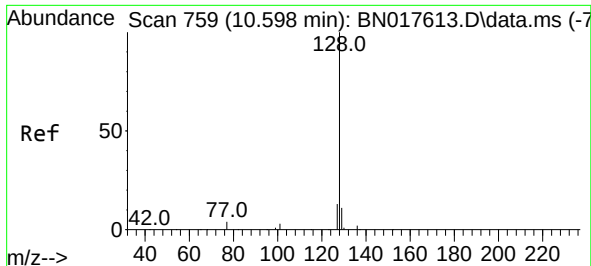
Tgt Ion:136 Resp: 89779
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 4.0 6.0#
68 7.0 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion: 82 Resp: 13559
Ion Ratio Lower Upper
82 100
128 36.1 27.7 41.5
54 49.8 49.2 73.8

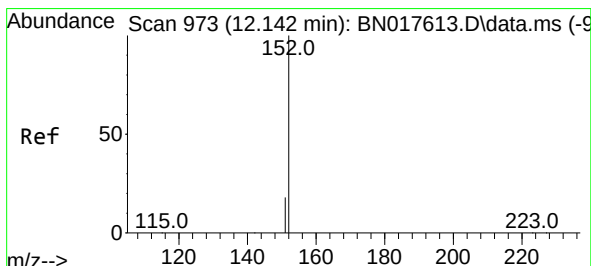
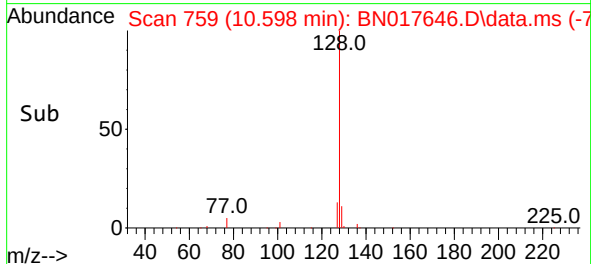
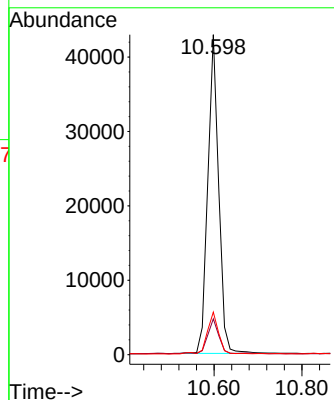
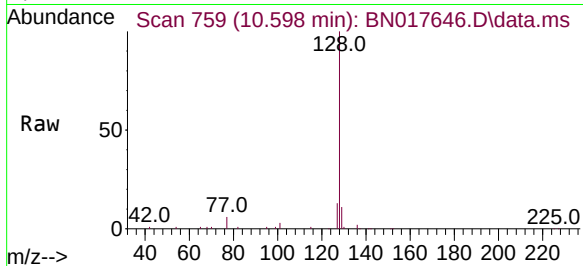




#9
Naphthalene
Concen: 0.324 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

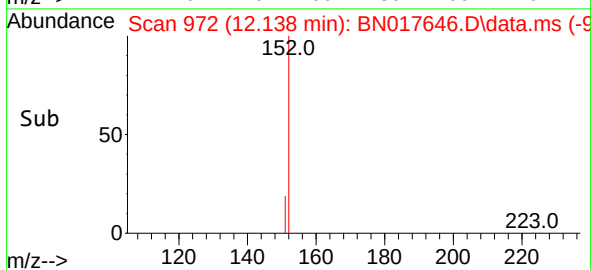
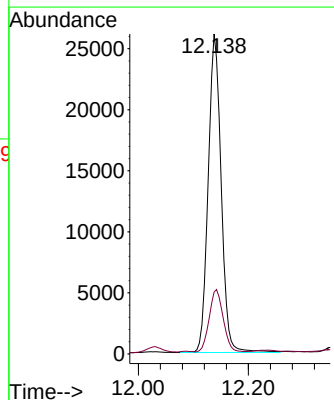
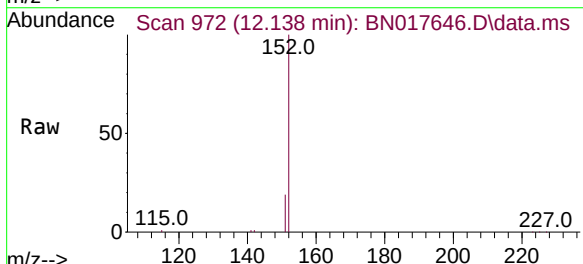
Instrument :
BNA_N
ClientSampleId :
CS-4A

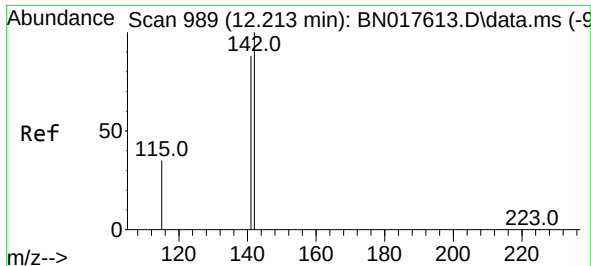
Tgt Ion:128 Resp: 73312
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.3 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.273 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:152 Resp: 42721
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4

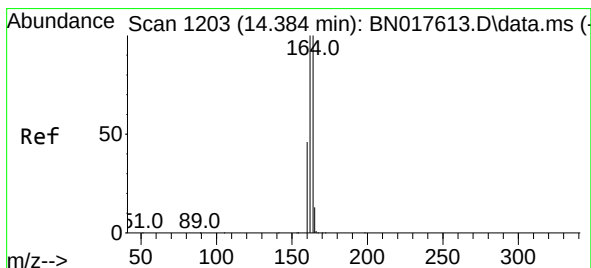
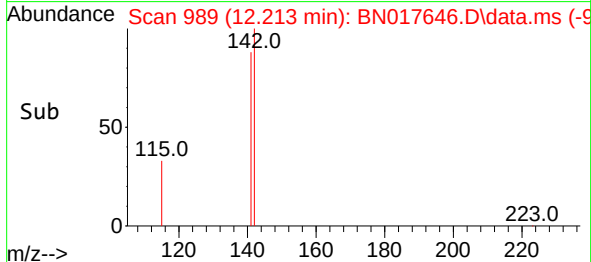
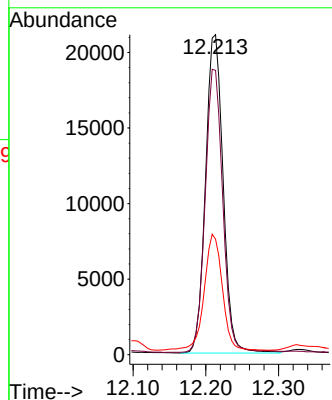
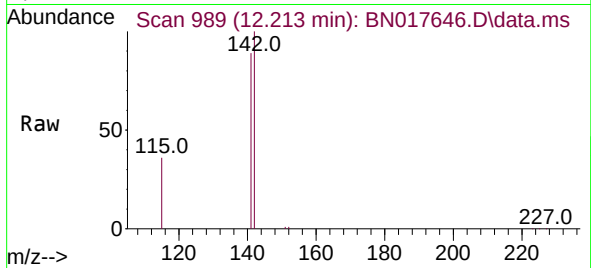




#12
2-Methylnaphthalene
Concen: 0.237 ng
RT: 12.213 min Scan# 989
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

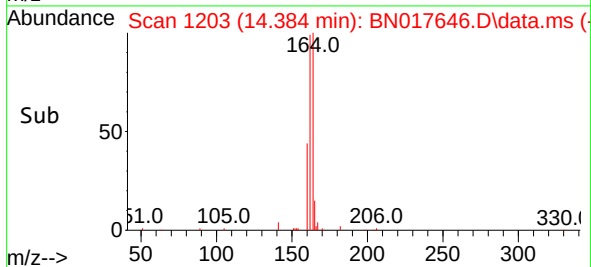
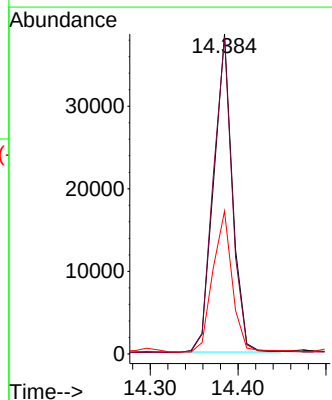
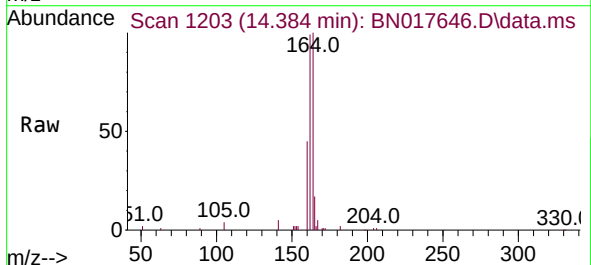
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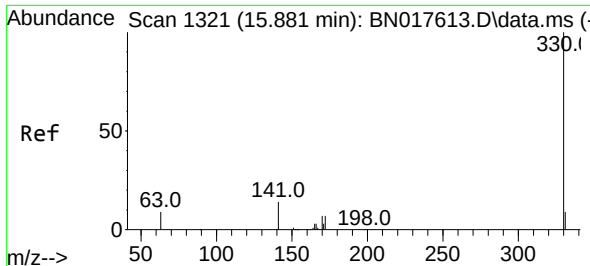
Tgt Ion:142 Resp: 35430
Ion Ratio Lower Upper
142 100
141 88.9 70.6 106.0
115 36.1 25.8 38.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:164 Resp: 57087
Ion Ratio Lower Upper
164 100
162 99.0 81.4 122.2
160 44.7 36.8 55.2

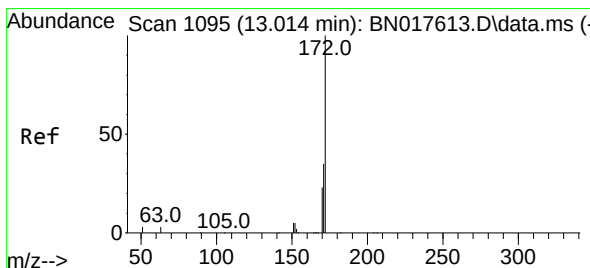
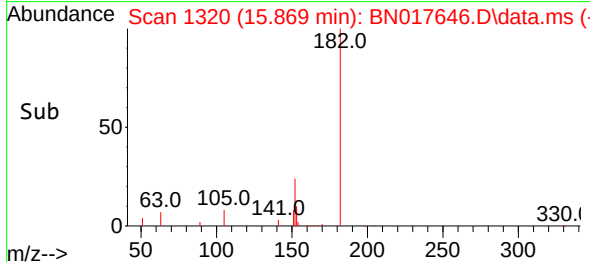
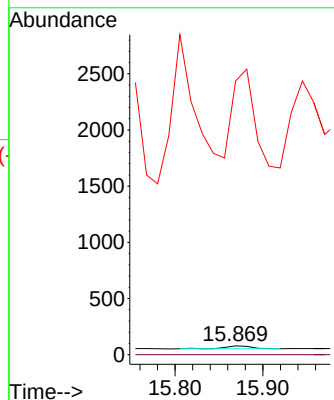
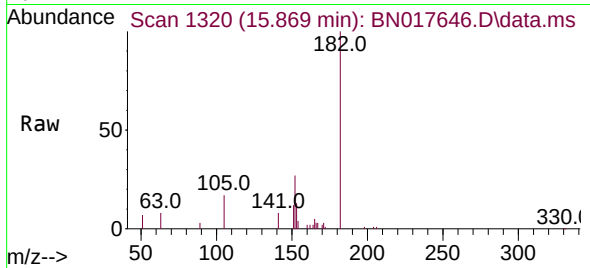




#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

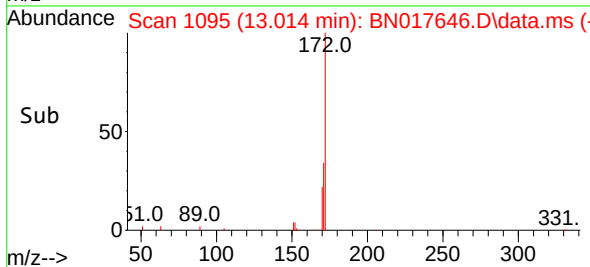
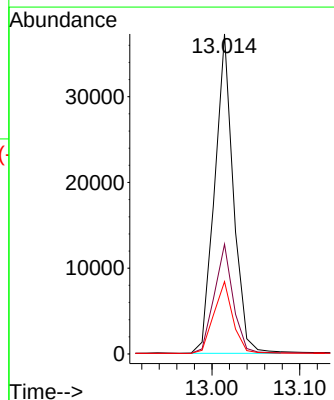
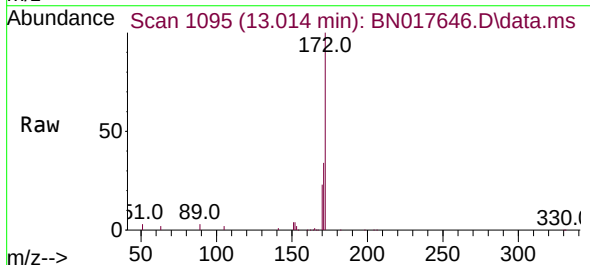
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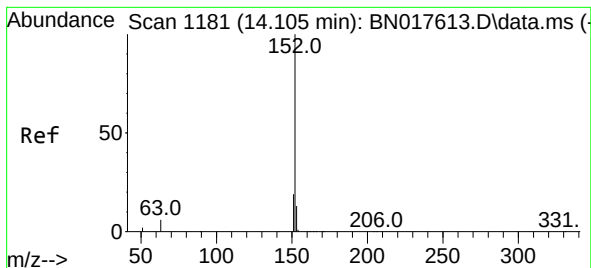
Tgt Ion:330 Resp: 53
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 2737.7 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.249 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:172 Resp: 55241
Ion Ratio Lower Upper
172 100
171 34.3 28.7 43.1
170 22.6 19.4 29.2





#16

Acenaphthylene

Concen: 0.641 ng

RT: 14.105 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

Instrument :

BNA_N

ClientSampleId :

CS-4A

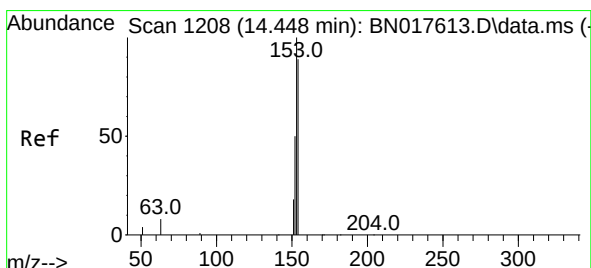
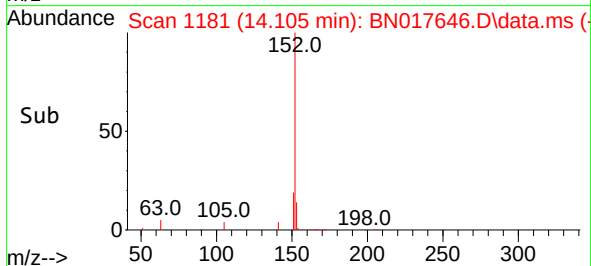
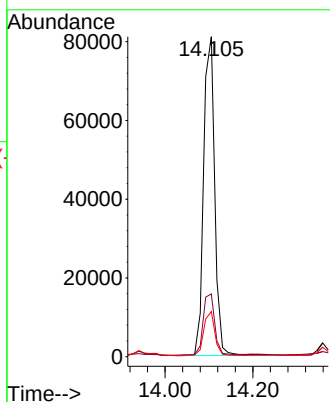
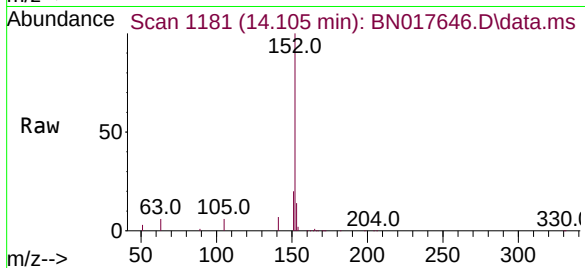
Tgt Ion:152 Resp: 142789

Ion Ratio Lower Upper

152 100

151 20.1 15.5 23.3

153 14.0 10.4 15.6



#17

Acenaphthene

Concen: 0.593 ng

RT: 14.448 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

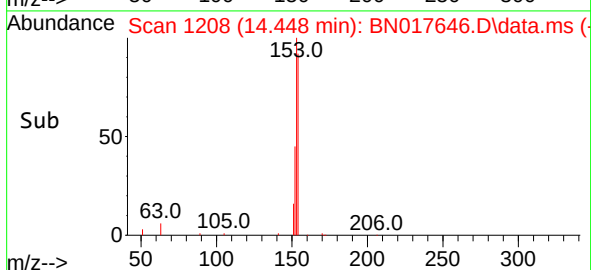
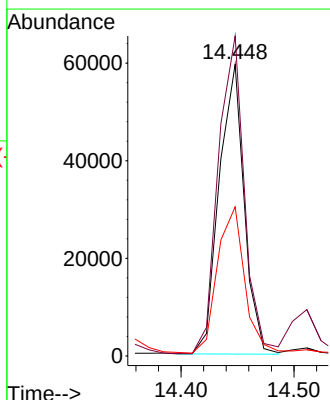
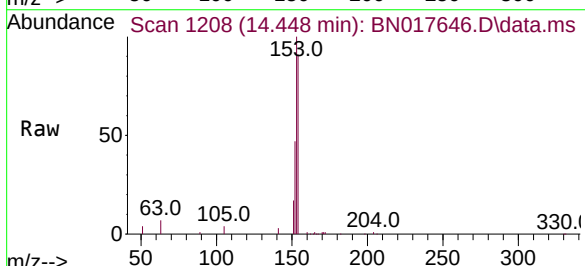
Tgt Ion:154 Resp: 91319

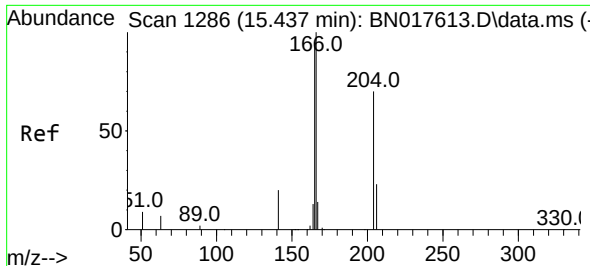
Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

152 56.7 44.3 66.5

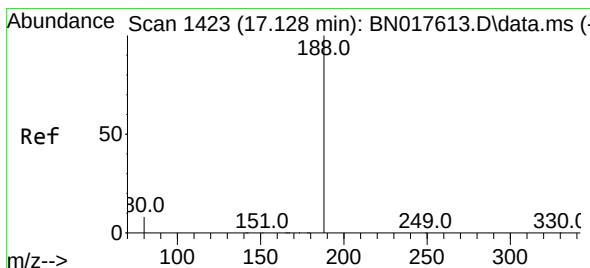
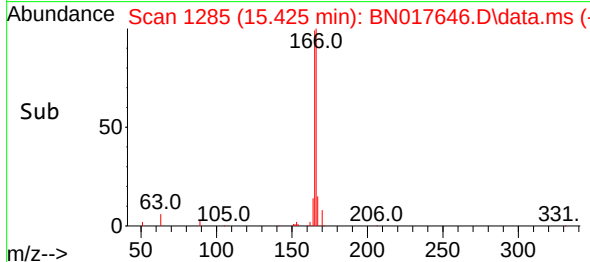
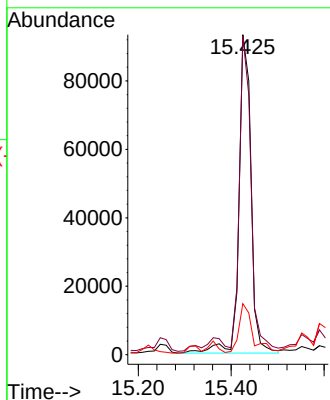
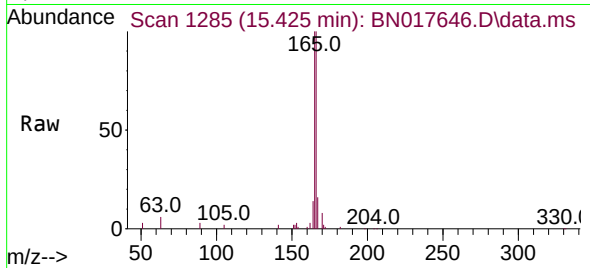




#18
Fluorene
Concen: 0.893 ng
RT: 15.425 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

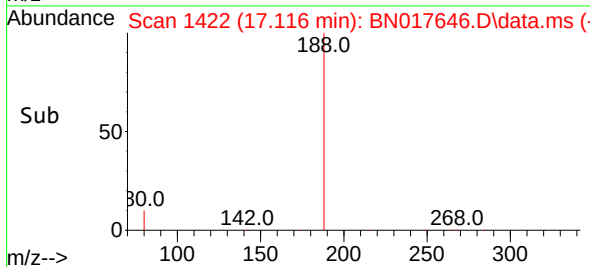
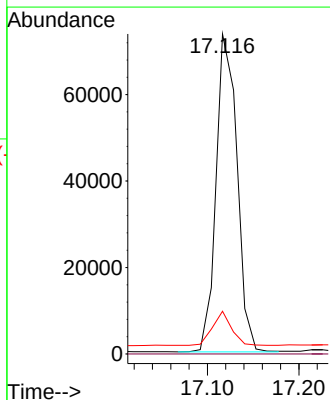
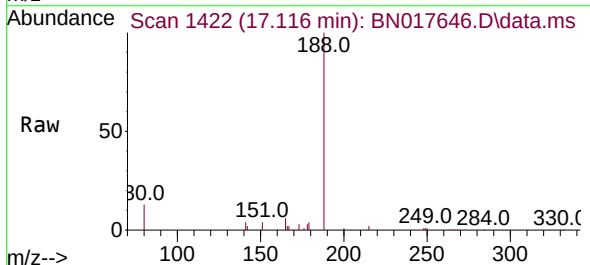
Instrument :
BNA_N
ClientSampleId :
CS-4A

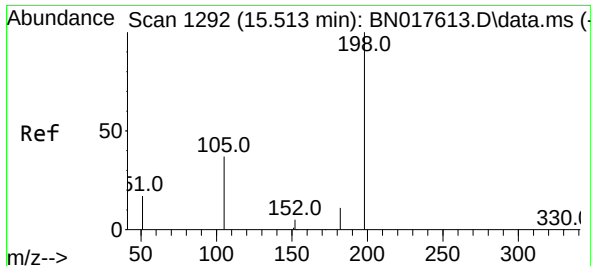
Tgt Ion:166 Resp: 167128
Ion Ratio Lower Upper
166 100
165 92.6 77.9 116.9
167 17.2 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:188 Resp: 117263
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.4 6.1 9.1#

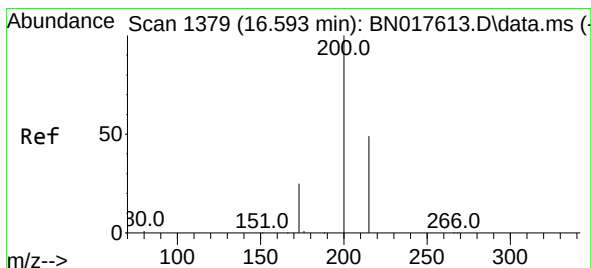
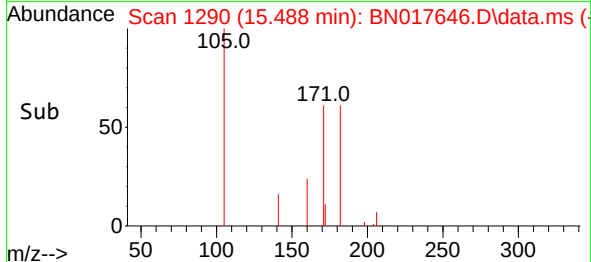
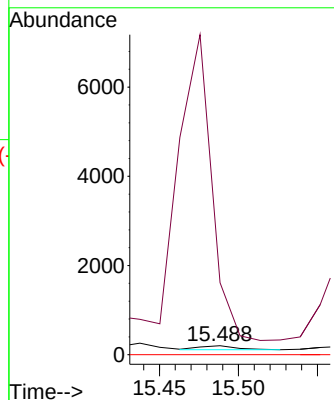
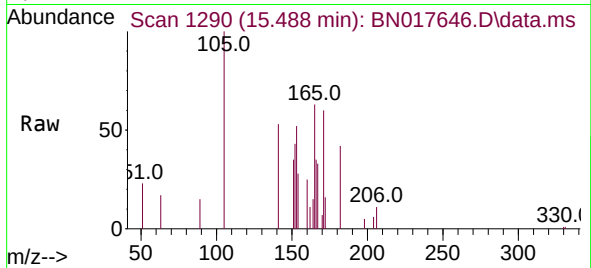




#20
4,6-Dinitro-2-methylphenol
Concen: 0.085 ng
RT: 15.488 min Scan# 1290
Delta R.T. -0.025 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

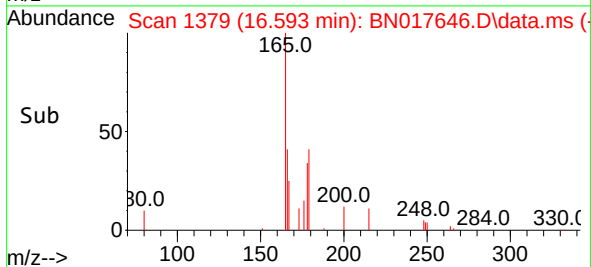
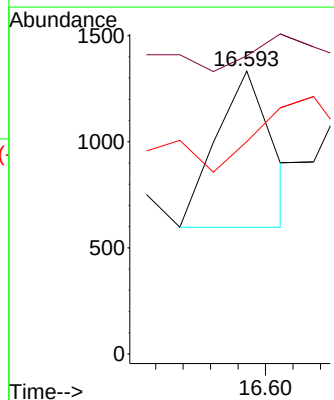
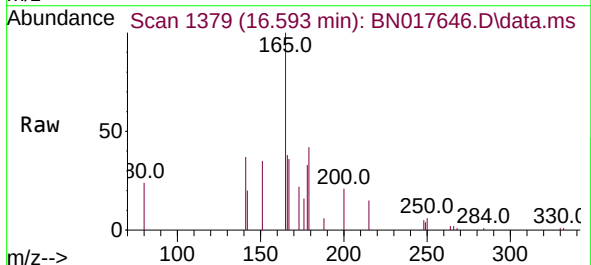
Instrument :
BNA_N
ClientSampleId :
CS-4A

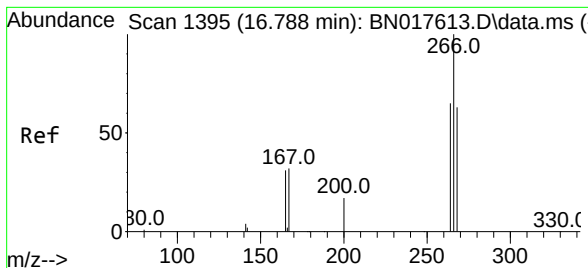
Tgt Ion:198 Resp: 146
Ion Ratio Lower Upper
198 100
182 799.0 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.150 ng
RT: 16.593 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:200 Resp: 1051
Ion Ratio Lower Upper
200 100
173 105.4 17.6 26.4#
215 75.1 40.2 60.4#





#24

Pentachlorophenol

Concen: 0.204 ng

RT: 16.788 min Scan# 1395

Delta R.T. -0.000 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

Instrument :

BNA_N

ClientSampleId :

CS-4A

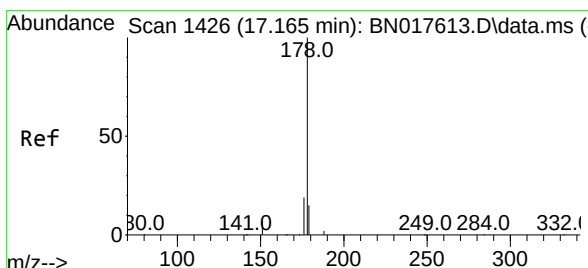
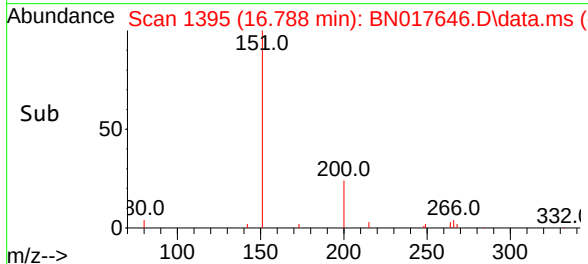
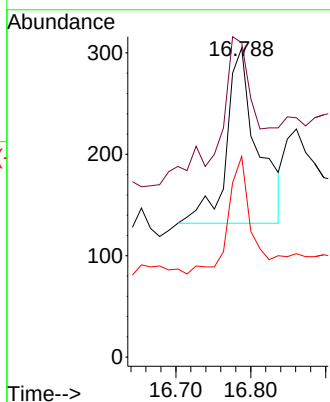
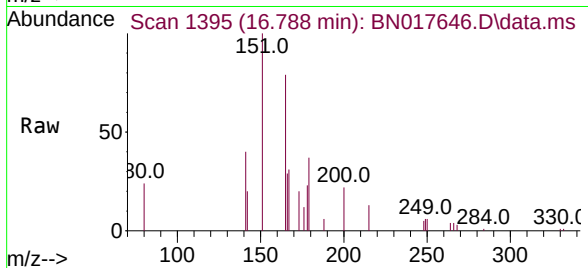
Tgt Ion:266 Resp: 497

Ion Ratio Lower Upper

266 100

264 73.2 49.8 74.8

268 53.7 51.3 76.9



#25

Phenanthrene

Concen: 8.963 ng

RT: 17.165 min Scan# 1426

Delta R.T. 0.000 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

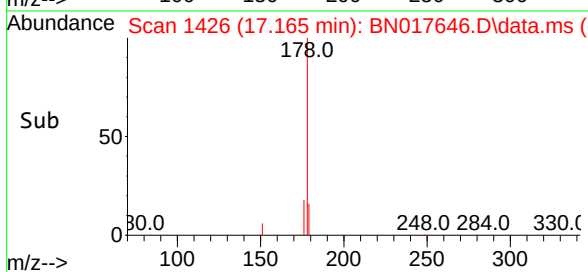
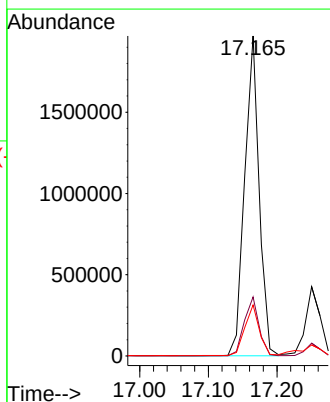
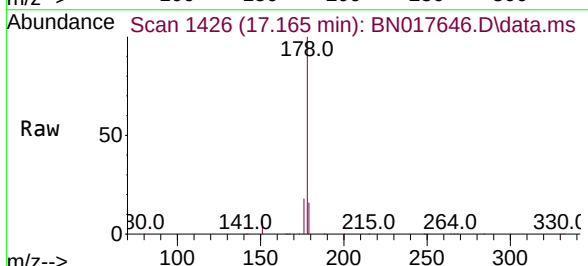
Tgt Ion:178 Resp: 2882696

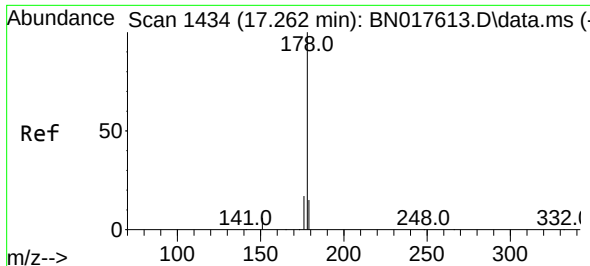
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

179 16.0 12.3 18.5

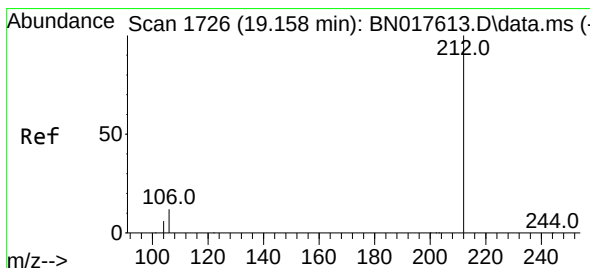
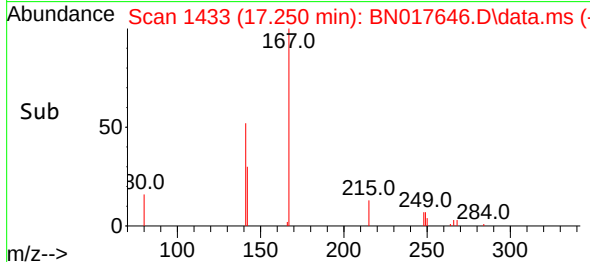
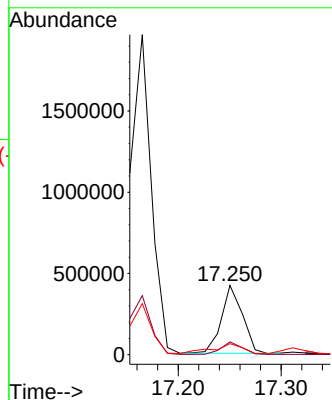
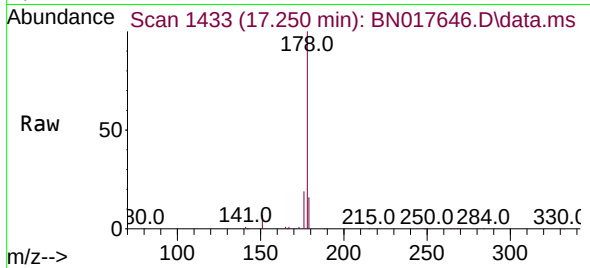




#26
 Anthracene
 Concen: 2.140 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017646.D
 Acq: 01 Dec 2021 12:10

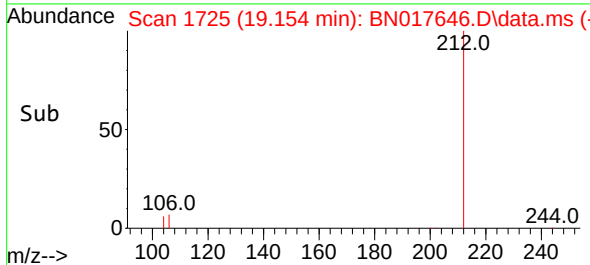
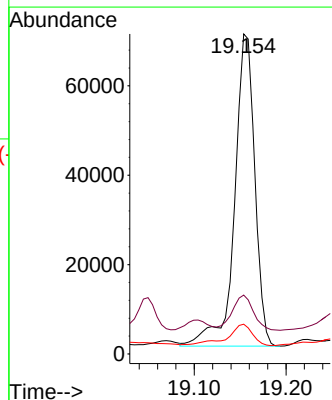
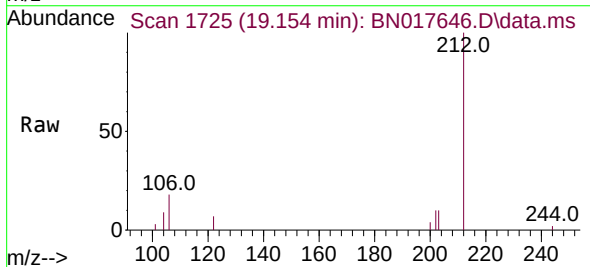
Instrument :
 BNA_N
 ClientSampleId :
 CS-4A

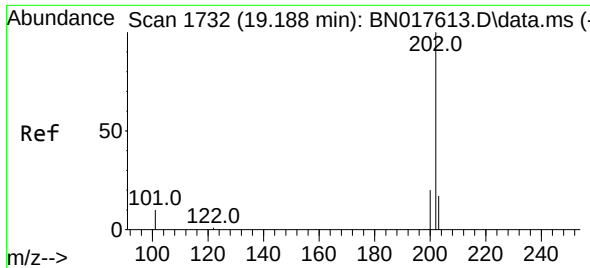
Tgt Ion:178 Resp: 591455
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 20.9 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.293 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017646.D
 Acq: 01 Dec 2021 12:10

Tgt Ion:212 Resp: 107325
 Ion Ratio Lower Upper
 212 100
 106 11.7 10.5 15.7
 104 8.6 5.8 8.6

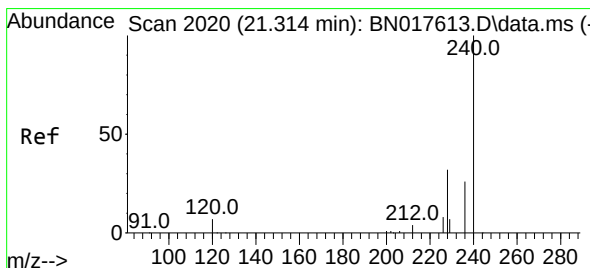
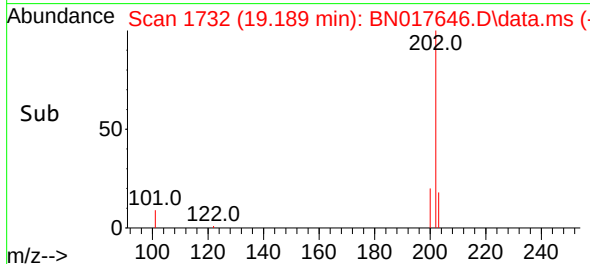
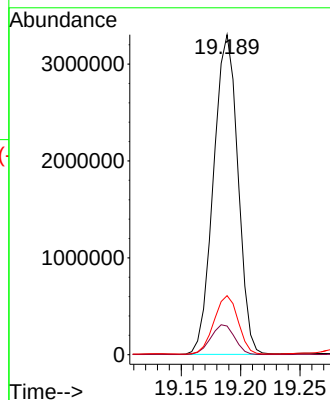
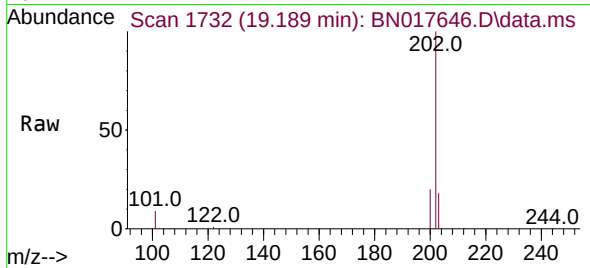




#28
Fluoranthene
Concen: 12.940 ng
RT: 19.189 min Scan# 1732
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

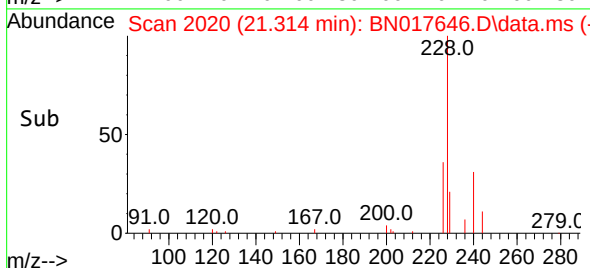
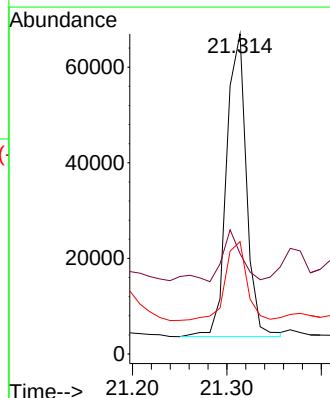
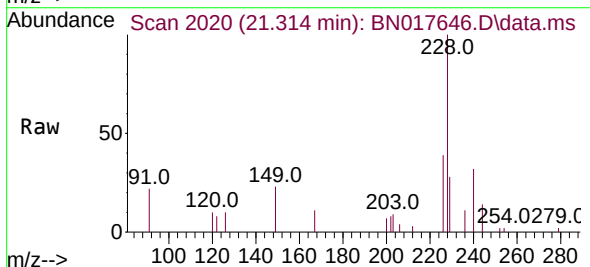
Instrument :
BNA_N
ClientSampleId :
CS-4A

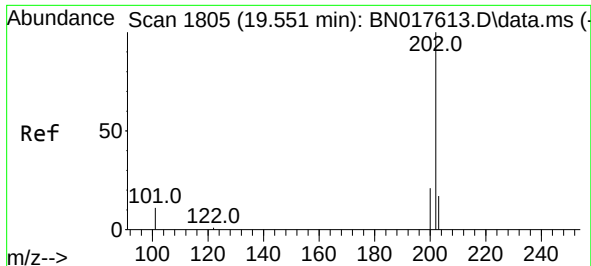
Tgt Ion:202 Resp: 4709550
Ion Ratio Lower Upper
202 100
101 9.1 8.9 13.3
203 17.9 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:240 Resp: 92732
Ion Ratio Lower Upper
240 100
120 31.4 4.2 6.2#
236 35.1 20.0 30.0#

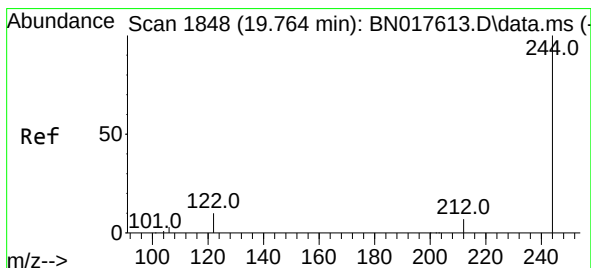
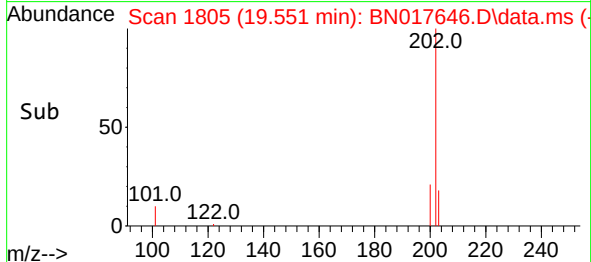
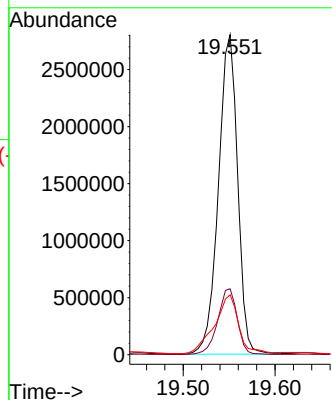
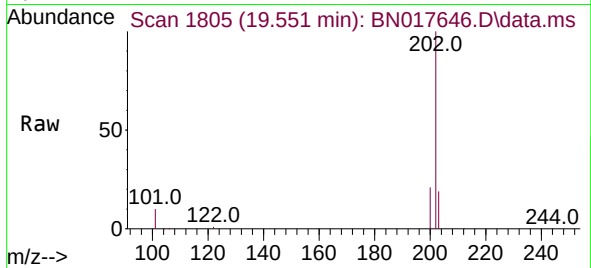




#30
Pyrene
Concen: 13.602 ng
RT: 19.551 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

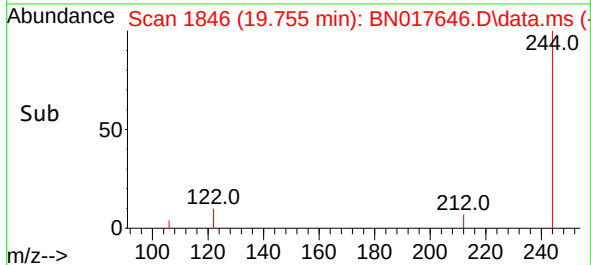
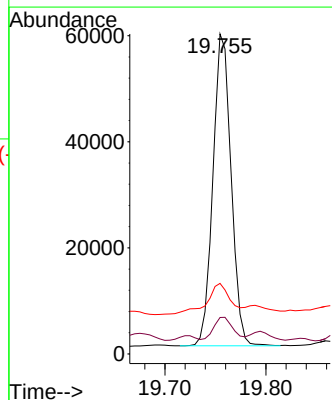
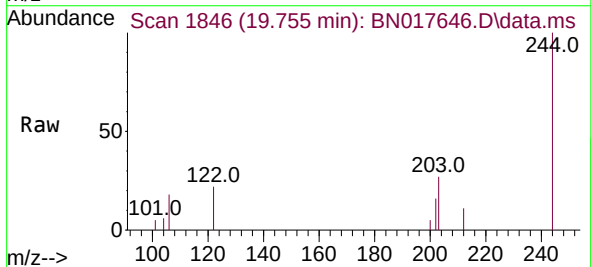
Instrument :
BNA_N
ClientSampleId :
CS-4A

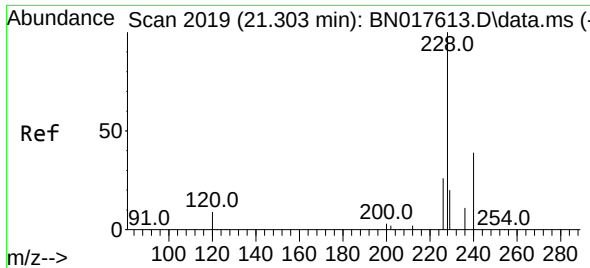
Tgt Ion:202 Resp: 4071799
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 23.0 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.362 ng
RT: 19.755 min Scan# 1846
Delta R.T. -0.009 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:244 Resp: 73538
Ion Ratio Lower Upper
244 100
212 11.4 5.7 8.5#
122 22.1 8.6 13.0#

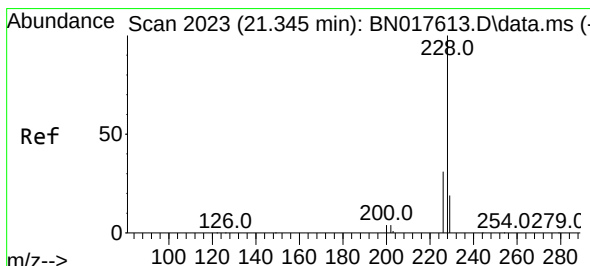
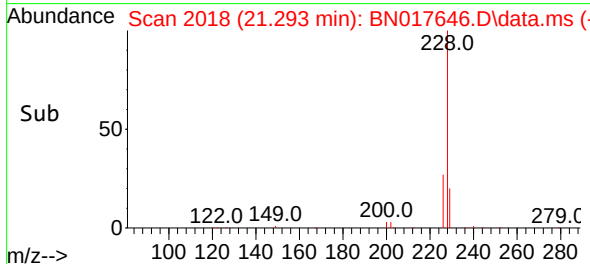
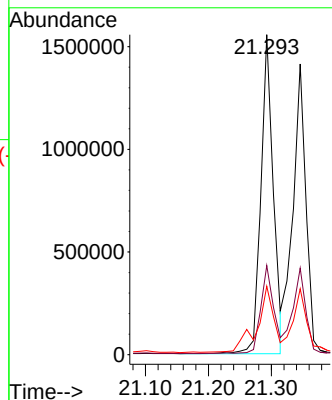
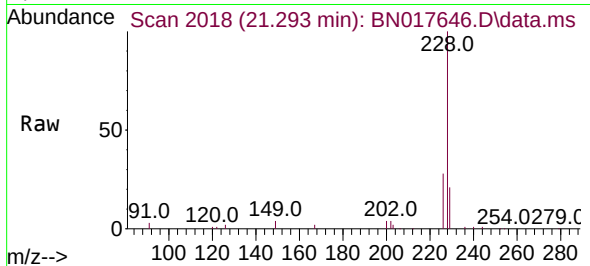




#32
Benzo(a)anthracene
Concen: 7.554 ng
RT: 21.293 min Scan# 2019
Delta R.T. -0.010 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

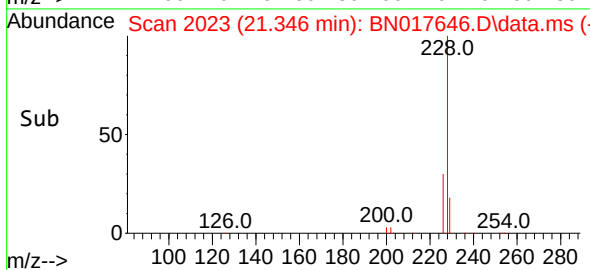
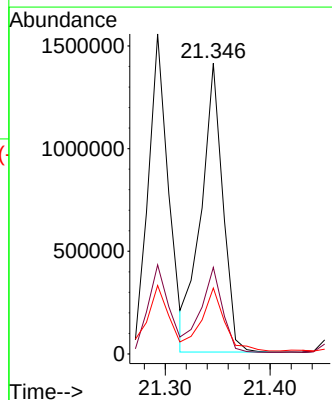
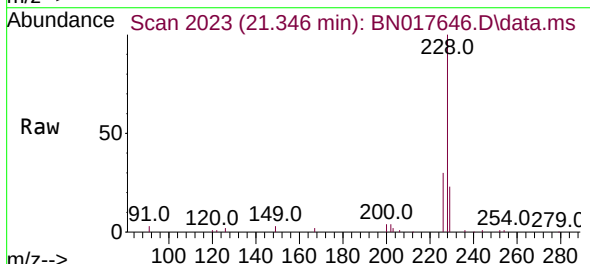
Instrument :
BNA_N
ClientSampleId :
CS-4A

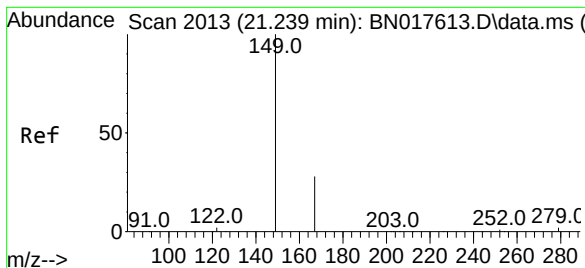
Tgt Ion:228 Resp: 2127574
Ion Ratio Lower Upper
228 100
226 27.8 21.3 31.9
229 21.4 15.7 23.5



#33
Chrysene
Concen: 6.592 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:228 Resp: 2019919
Ion Ratio Lower Upper
228 100
226 29.8 23.3 34.9
229 22.7 15.6 23.4

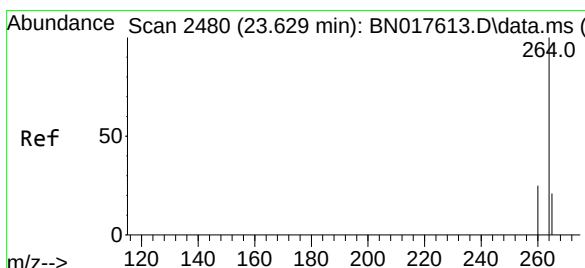
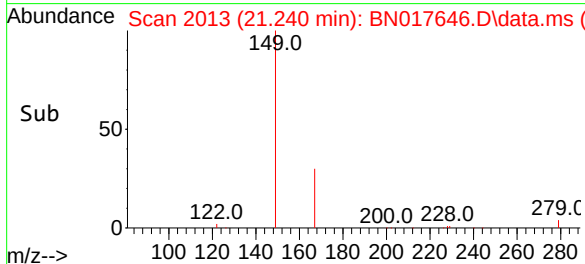
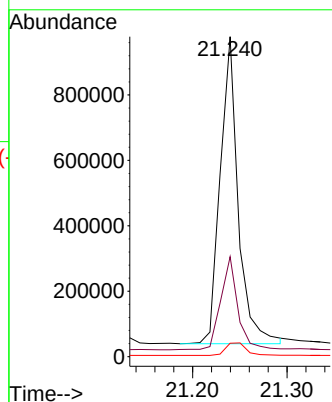
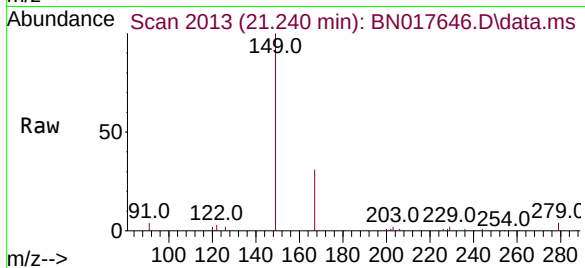




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 18.606 ng
 RT: 21.240 min Scan# 20
 Delta R.T. 0.001 min
 Lab File: BN017646.D
 Acq: 01 Dec 2021 12:10

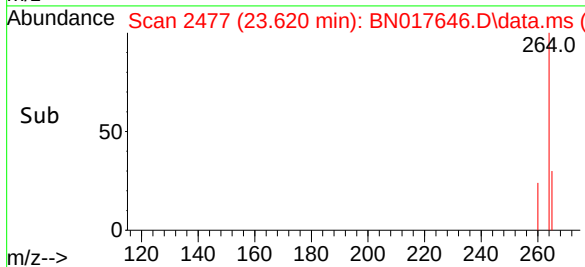
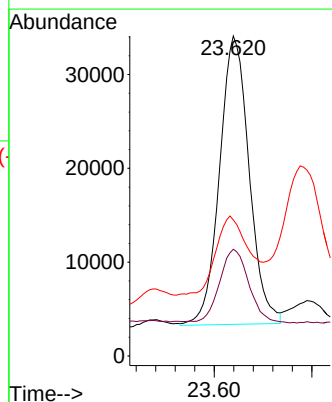
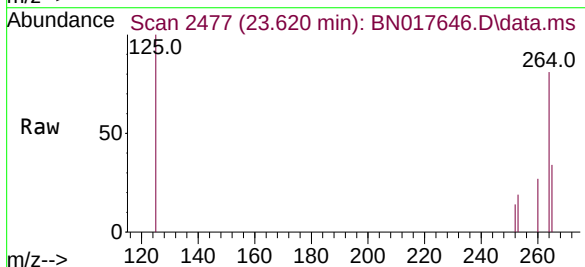
Instrument :
 BNA_N
 ClientSampleId :
 CS-4A

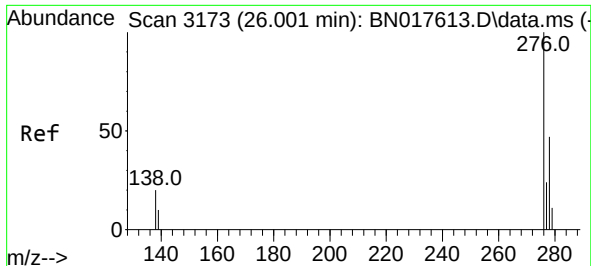
Tgt Ion:149 Resp: 1243045
 Ion Ratio Lower Upper
 149 100
 167 28.8 21.8 32.6
 279 4.7 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.620 min Scan# 2477
 Delta R.T. -0.010 min
 Lab File: BN017646.D
 Acq: 01 Dec 2021 12:10

Tgt Ion:264 Resp: 64762
 Ion Ratio Lower Upper
 264 100
 260 33.3 19.4 29.2#
 265 42.5 18.6 28.0#

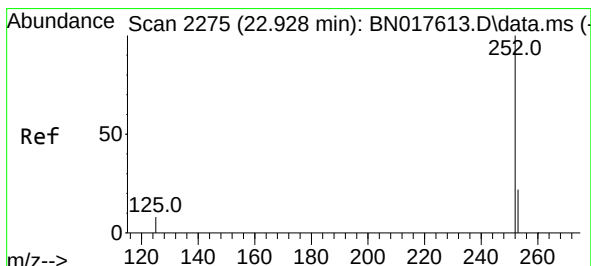
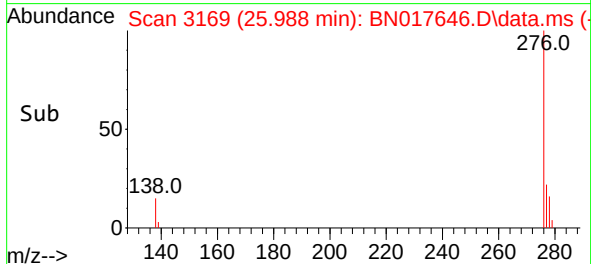
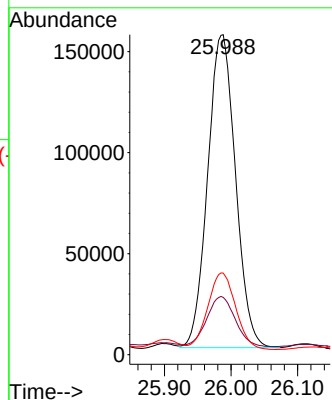
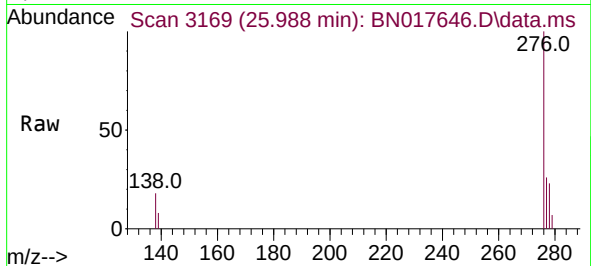




#36
Indeno(1,2,3-cd)pyrene
Concen: 2.140 ng
RT: 25.988 min Scan# 3173
Delta R.T. -0.013 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

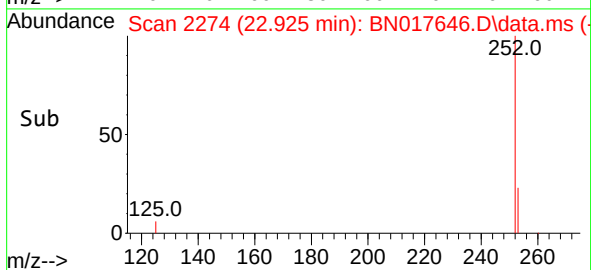
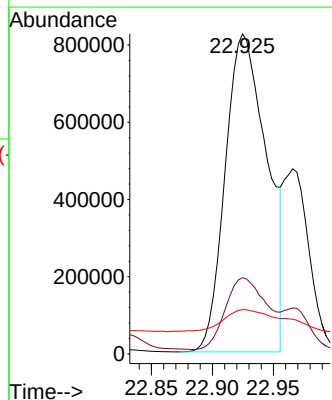
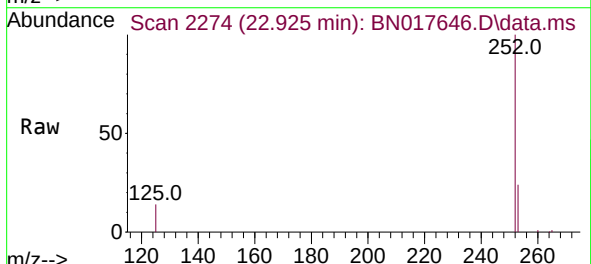
Instrument :
BNA_N
ClientSampleId :
CS-4A

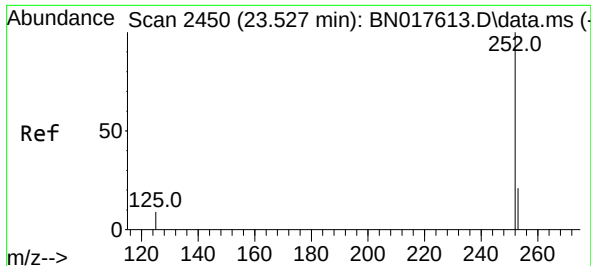
Tgt Ion:276 Resp: 450028
Ion Ratio Lower Upper
276 100
138 16.3 19.7 29.5#
277 24.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 9.134 ng
RT: 22.925 min Scan# 2274
Delta R.T. -0.003 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:252 Resp: 1961583
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 13.9 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 5.807 ng

RT: 23.517 min Scan# 24

Delta R.T. -0.010 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

Instrument :

BNA_N

ClientSampleId :

CS-4A

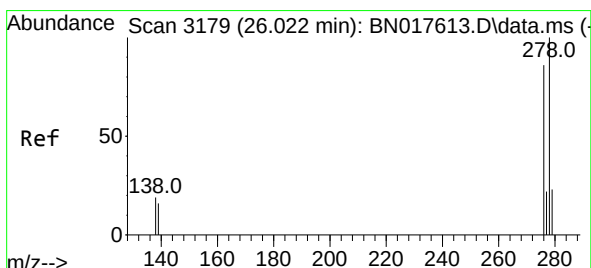
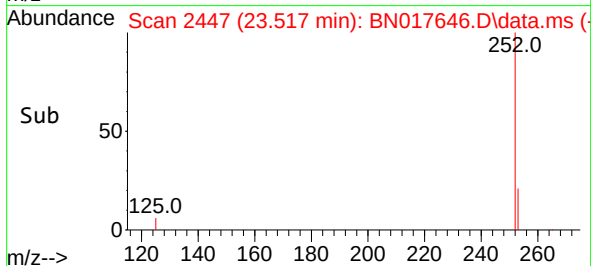
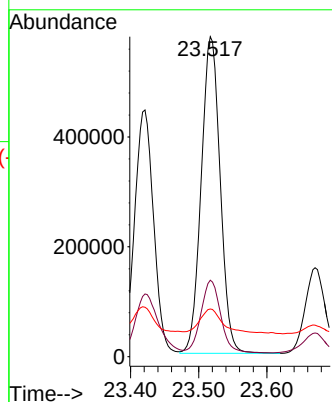
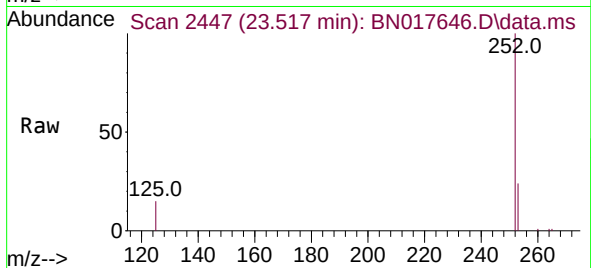
Tgt Ion:252 Resp: 1116465

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 14.9 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.683 ng

RT: 25.995 min Scan# 3171

Delta R.T. -0.027 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

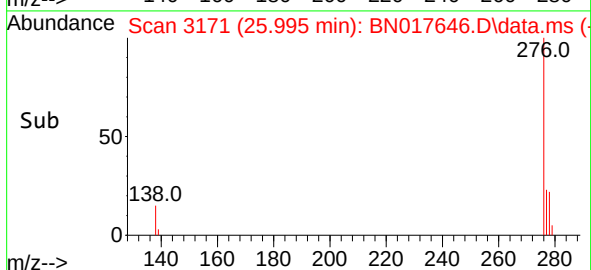
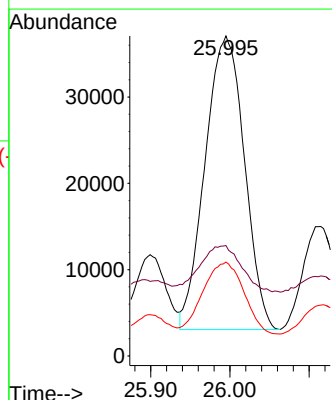
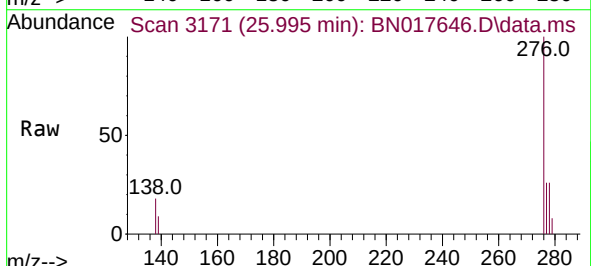
Tgt Ion:278 Resp: 117388

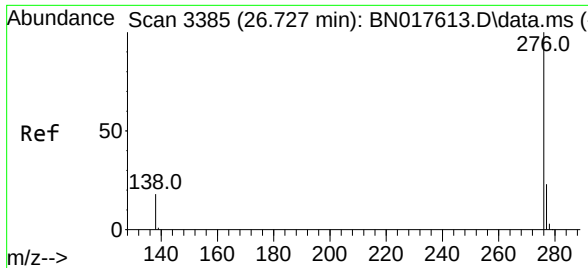
Ion Ratio Lower Upper

278 100

139 34.5 13.0 19.6#

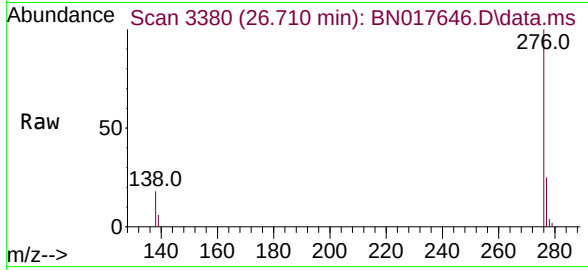
279 29.4 19.2 28.8#





#41
 Benzo(g,h,i)perylene
 Concen: 2.143 ng
 RT: 26.710 min Scan# 31
 Delta R.T. -0.017 min
 Lab File: BN017646.D
 Acq: 01 Dec 2021 12:10

Instrument :
 BNA_N
 ClientSampleId :
 CS-4A



Tgt Ion:276 Resp: 378934
 Ion Ratio Lower Upper
 276 100
 277 25.1 19.0 28.4
 138 18.3 17.1 25.7

