

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017648.D
 Acq On : 01 Dec 2021 13:22
 Operator : CG/JU
 Sample : M4862-15DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-8DL

Quant Time: Dec 01 13:56:19 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)

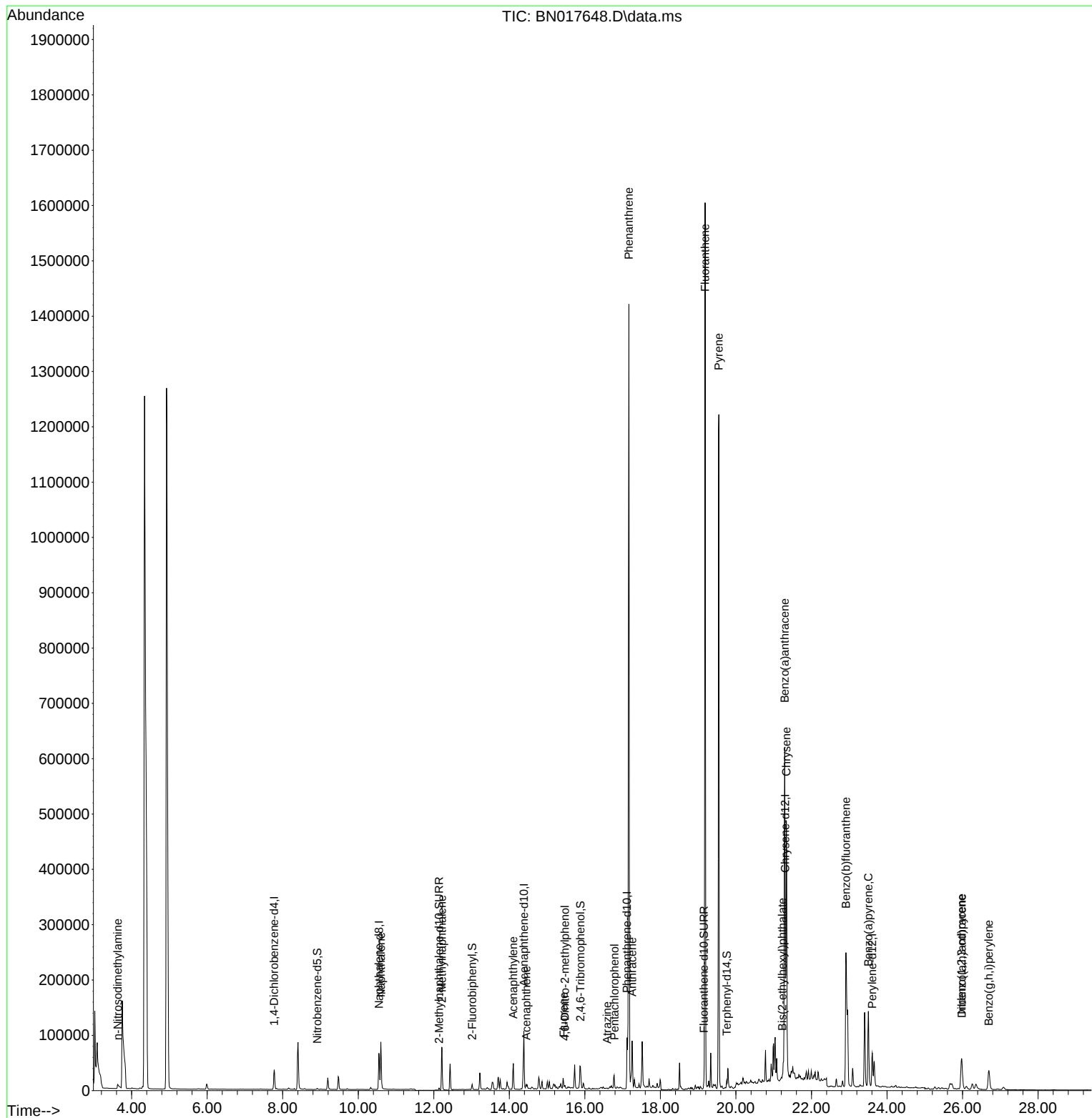
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	21818	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	91170	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	59801	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	131462	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	132746	0.400	ng	#-0.01
35) Perylene-d12	23.609	264	84328	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.385	112	128	0.003	ng	0.02
5) Phenol-d6	6.952	99	188	0.004	ng	0.00
8) Nitrobenzene-d5	8.913	82	1969	0.051	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	6511	0.041	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	43	0.126	ng	0.00
15) 2-Fluorobiphenyl	13.014	172	8654	0.037	ng	0.00
27) Fluoranthene-d10	19.154	212	18664	0.045	ng	0.00
31) Terphenyl-d14	19.754	244	13935	0.048	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.633	42	4511	0.220	ng	# 1
9) Naphthalene	10.598	128	114826	0.499	ng	100
12) 2-Methylnaphthalene	12.213	142	60757	0.401	ng	98
16) Acenaphthylene	14.105	152	49701	0.213	ng	97
17) Acenaphthene	14.448	154	4211	0.026	ng	# 76
18) Fluorene	15.438	166	8157	0.042	ng	# 83
20) 4,6-Dinitro-2-methylph...	15.476	198	14	0.058	ng	# 1
23) Atrazine	16.593	200	159	0.133	ng	# 47
24) Pentachlorophenol	16.788	266	159	0.196	ng	90
25) Phenanthrene	17.165	178	1481167	4.108	ng	100
26) Anthracene	17.250	178	87843	0.284	ng	# 81
28) Fluoranthene	19.184	202	1464285	3.589	ng	97
30) Pyrene	19.546	202	1123746	2.622	ng	99
32) Benzo(a)anthracene	21.293	228	561313	1.392	ng	95
33) Chrysene	21.335	228	452144	1.031	ng	96
34) Bis(2-ethylhexyl)phtha...	21.229	149	8151	0.085	ng	95
36) Indeno(1,2,3-cd)pyrene	25.974	276	101389	0.370	ng	# 91
37) Benzo(b)fluoranthene	22.914	252	443586	1.586	ng	98
39) Benzo(a)pyrene	23.506	252	201613	0.805	ng	97
40) Dibenzo(a,h)anthracene	25.985	278	23208	0.104	ng	# 83
41) Benzo(g,h,i)perylene	26.697	276	79550	0.346	ng	95

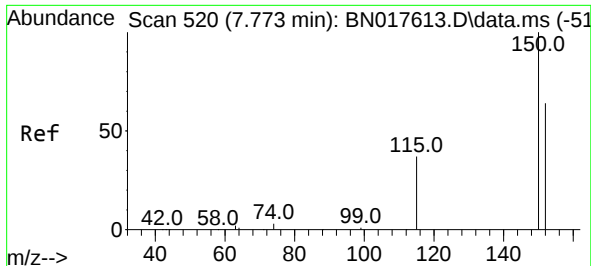
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
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CS-8DL

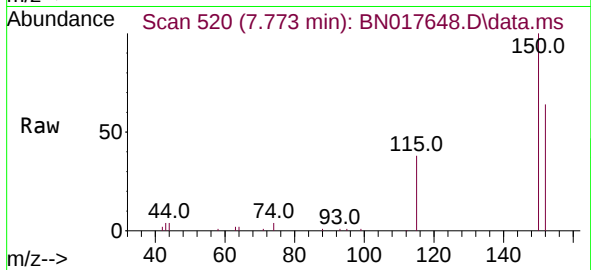
Quant Time: Dec 01 13:56:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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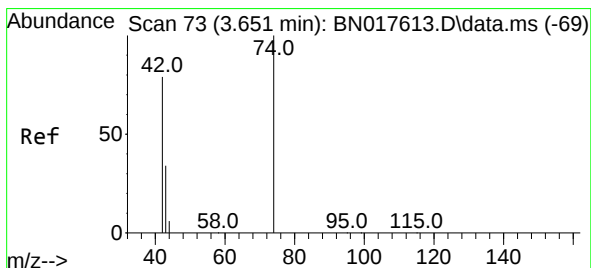
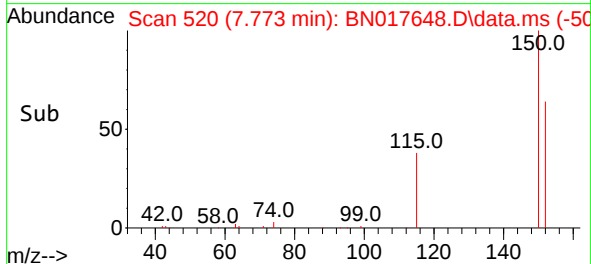
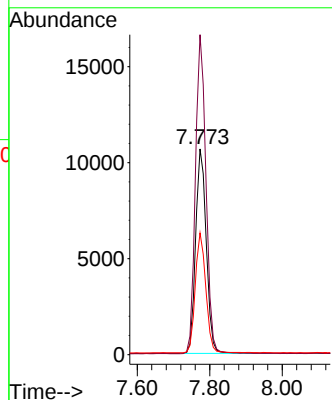


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL

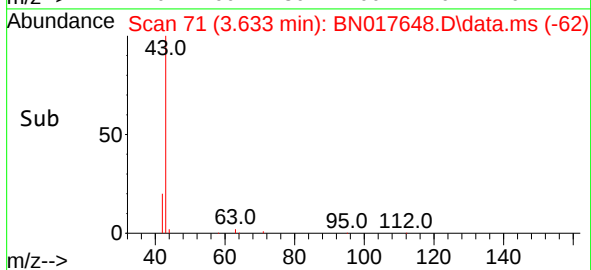
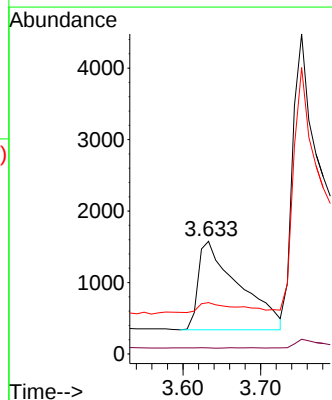
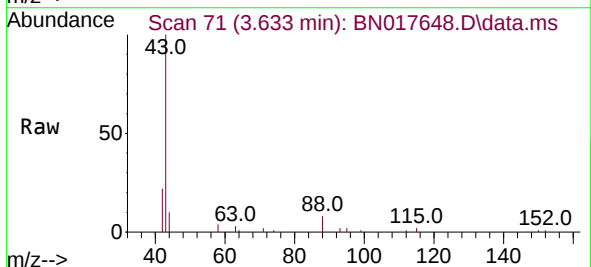


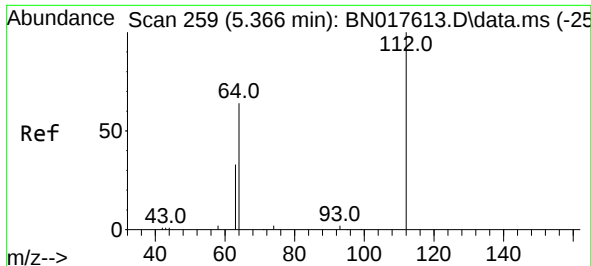
Tgt Ion:152 Resp: 21818
Ion Ratio Lower Upper
152 100
150 155.5 123.0 184.4
115 59.2 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.220 ng
RT: 3.633 min Scan# 71
Delta R.T. -0.018 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion: 42 Resp: 4511
Ion Ratio Lower Upper
42 100
74 0.3 97.8 146.6#
44 10.7 5.5 8.3#

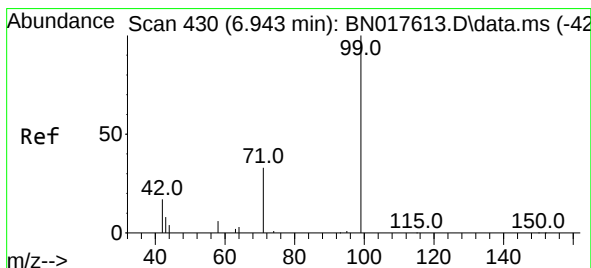
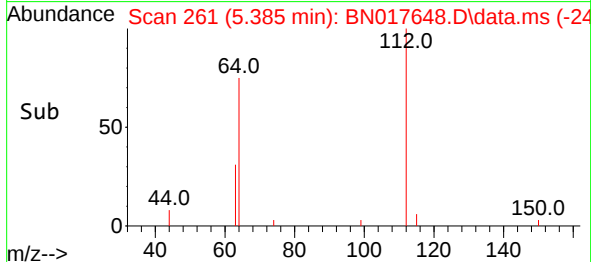
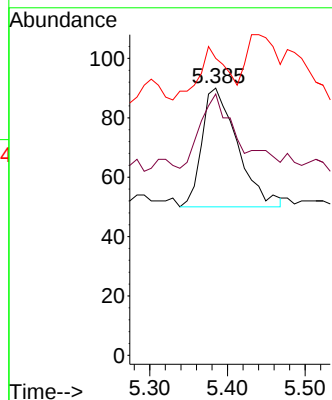
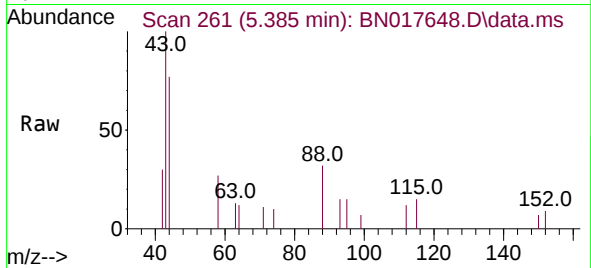




#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.385 min Scan# 210
Delta R.T. 0.019 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

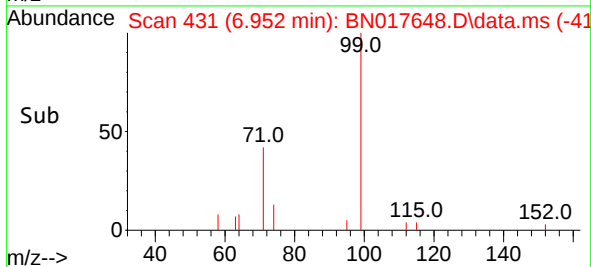
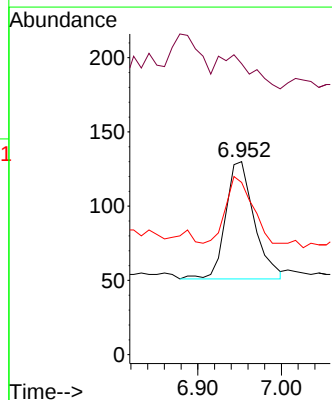
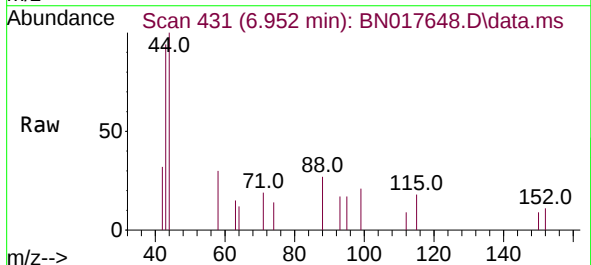
Instrument :
BNA_N
ClientSampleId :
CS-8DL

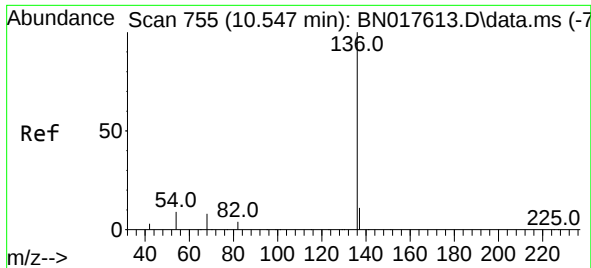
Tgt Ion:112 Resp: 128
Ion Ratio Lower Upper
112 100
64 63.3 47.6 71.4
63 33.6 24.6 37.0



#5
Phenol-d6
Concen: 0.004 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.010 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion: 99 Resp: 188
Ion Ratio Lower Upper
99 100
42 33.5 17.0 25.6#
71 51.6 24.8 37.2#

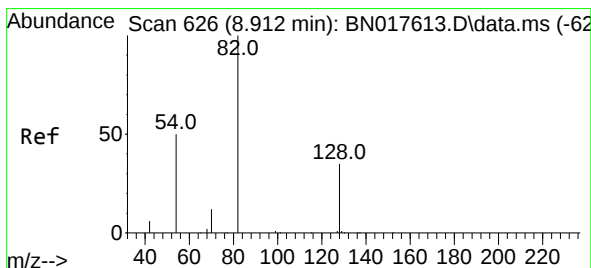
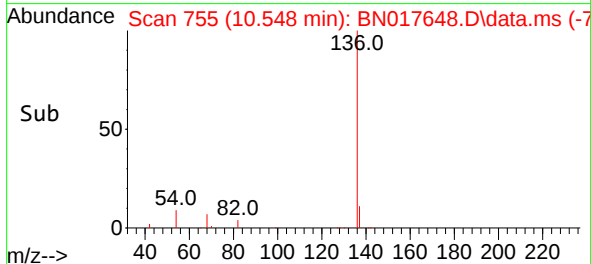
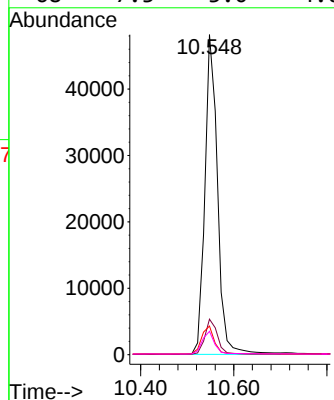
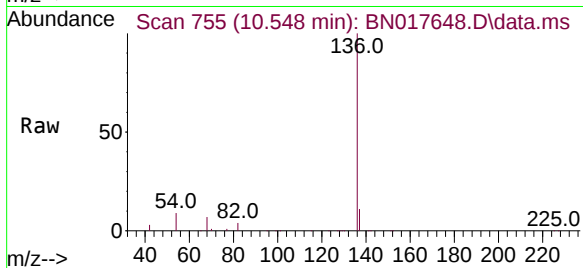




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

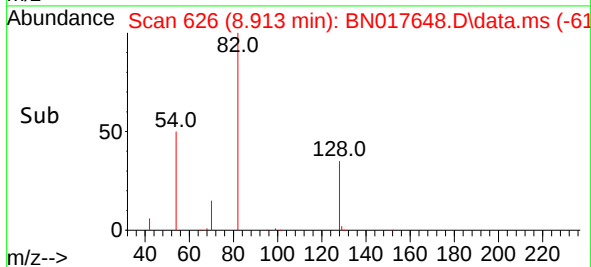
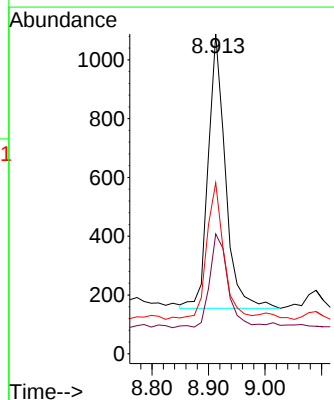
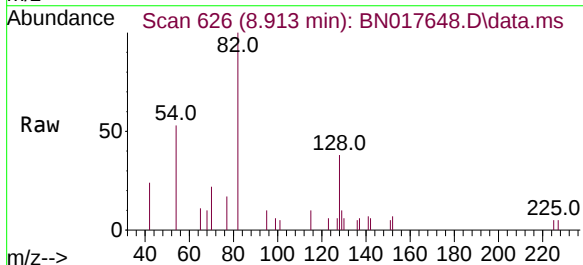
Instrument :
BNA_N
ClientSampleId :
CS-8DL

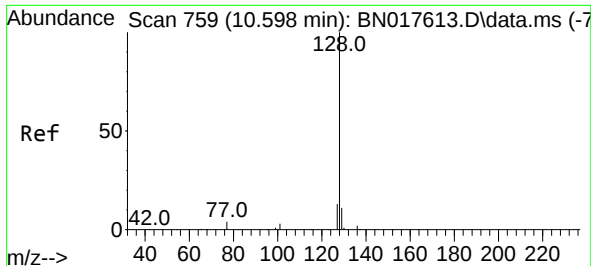
Tgt Ion:136 Resp: 91170
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.0 4.0 6.0#
68 7.3 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.051 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion: 82 Resp: 1969
Ion Ratio Lower Upper
82 100
128 37.5 27.7 41.5
54 53.5 49.2 73.8

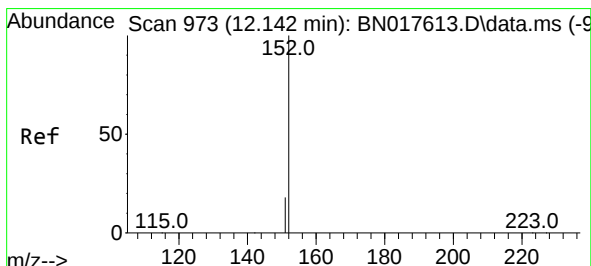
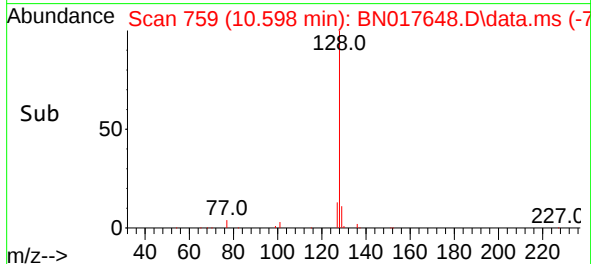
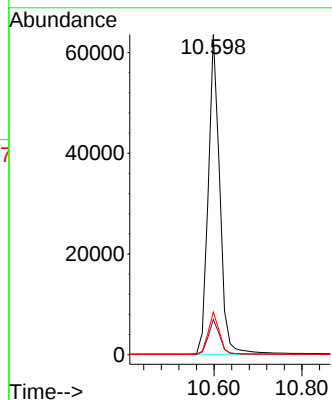
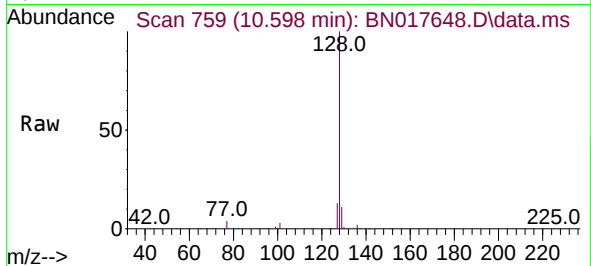




#9
Naphthalene
Concen: 0.499 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

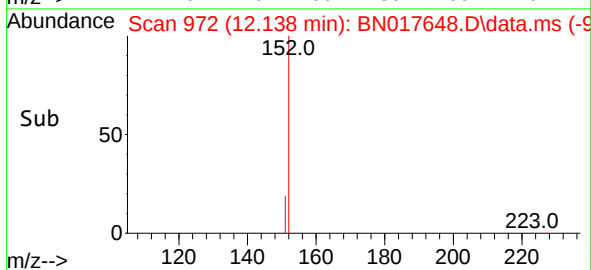
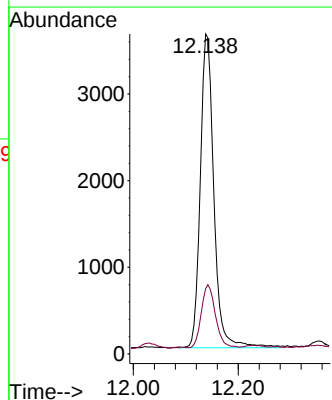
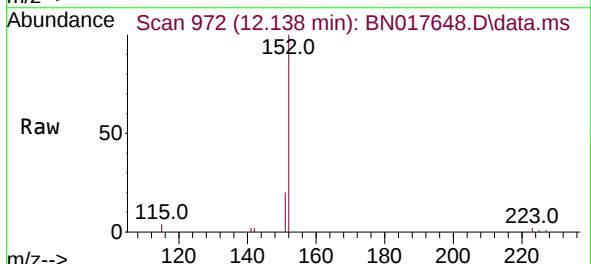
Instrument :
BNA_N
ClientSampleId :
CS-8DL

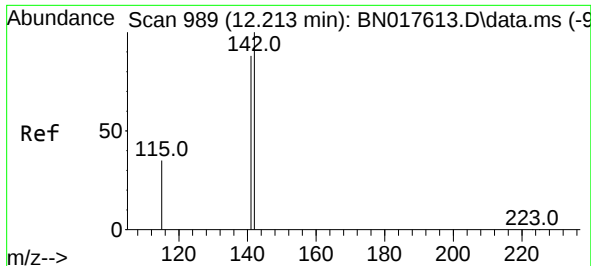
Tgt Ion:128 Resp: 114826
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.041 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion:152 Resp: 6511
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.401 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017648.D

Acq: 01 Dec 2021 13:22

Instrument :

BNA_N

ClientSampleId :

CS-8DL

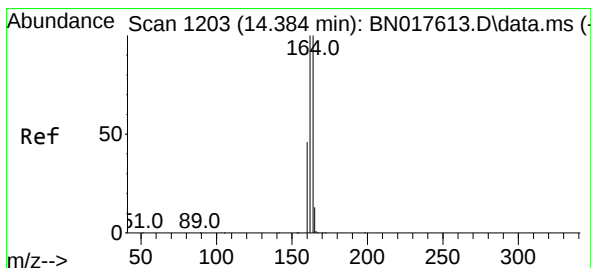
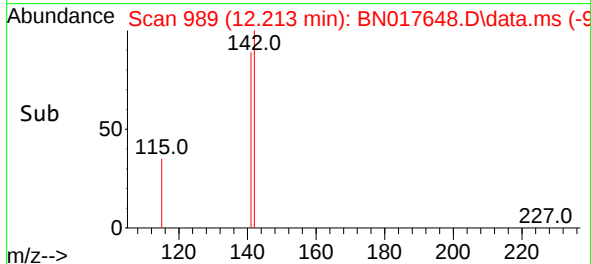
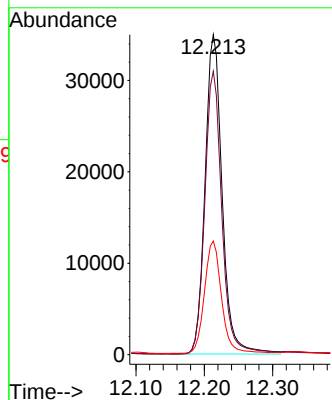
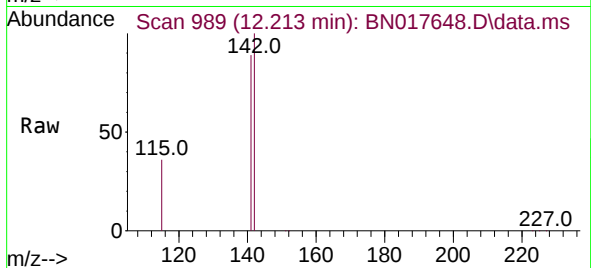
Tgt Ion:142 Resp: 60757

Ion Ratio Lower Upper

142 100

141 88.6 70.6 106.0

115 35.5 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: BN017648.D

Acq: 01 Dec 2021 13:22

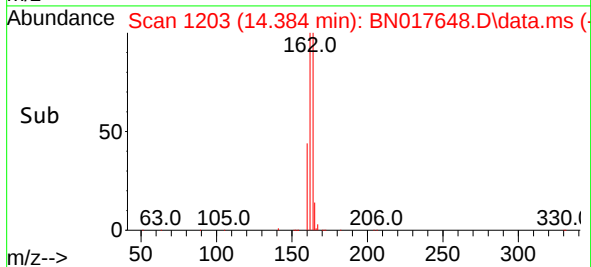
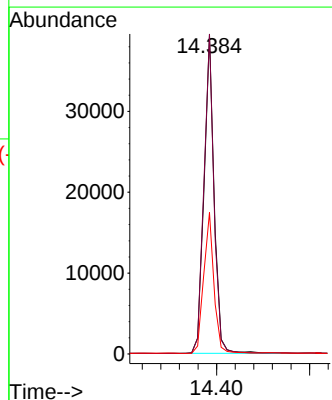
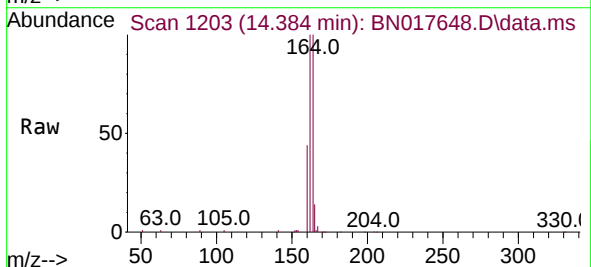
Tgt Ion:164 Resp: 59801

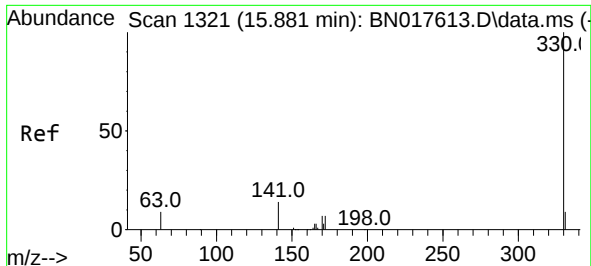
Ion Ratio Lower Upper

164 100

162 99.9 81.4 122.2

160 44.2 36.8 55.2

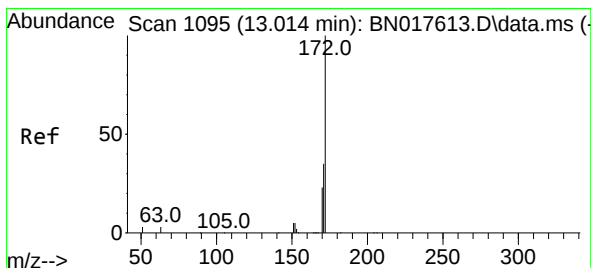
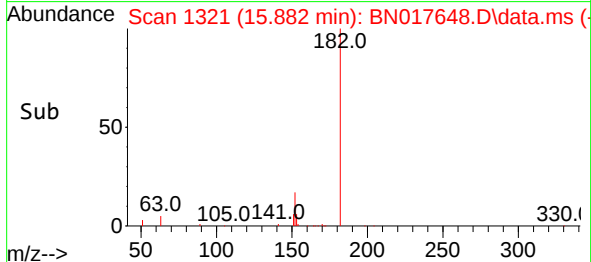
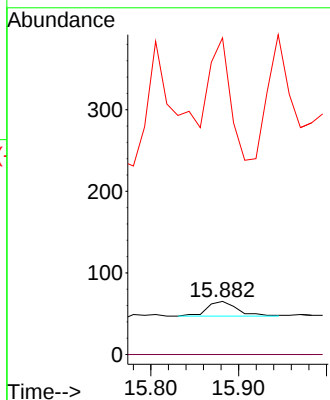
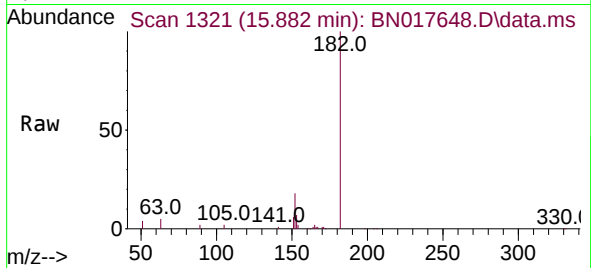




#14
 2,4,6-Tribromophenol
 Concen: 0.126 ng
 RT: 15.882 min Scan# 11
 Delta R.T. 0.001 min
 Lab File: BN017648.D
 Acq: 01 Dec 2021 13:22

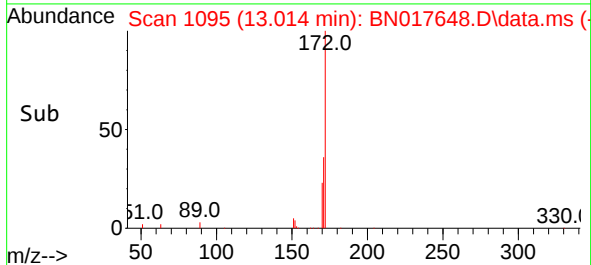
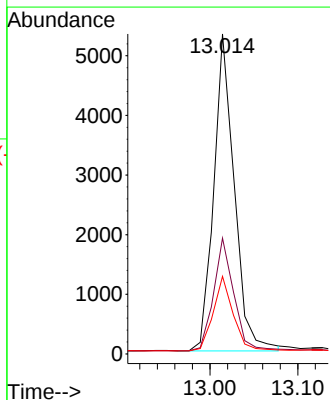
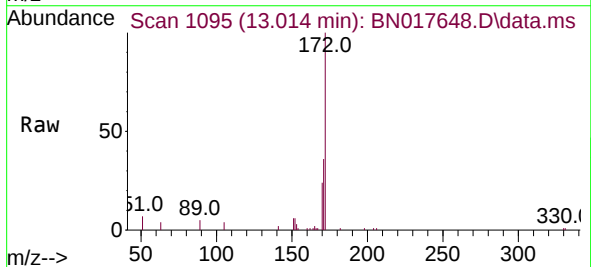
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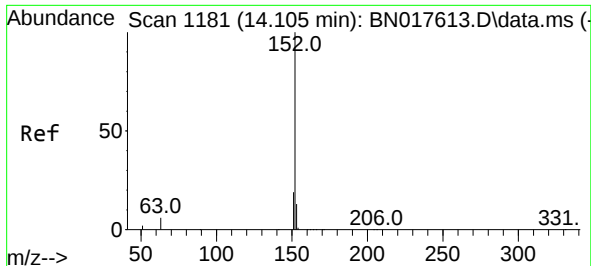
Tgt Ion:330 Resp: 43
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 560.5 28.9 43.3#



#15
 2-Fluorobiphenyl
 Concen: 0.037 ng
 RT: 13.014 min Scan# 1095
 Delta R.T. 0.000 min
 Lab File: BN017648.D
 Acq: 01 Dec 2021 13:22

Tgt Ion:172 Resp: 8654
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.7 43.1
 170 24.3 19.4 29.2

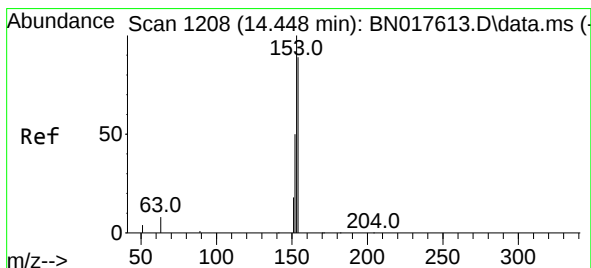
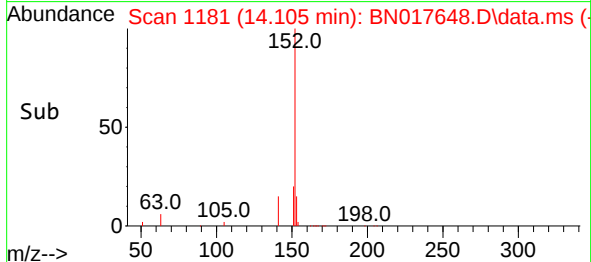
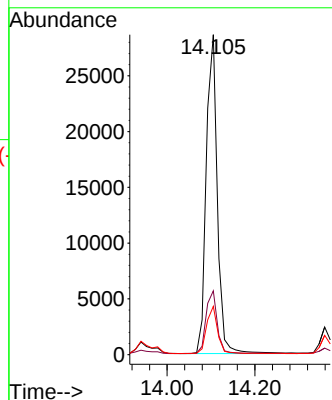
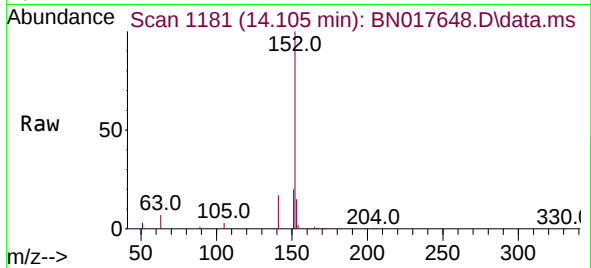




#16
Acenaphthylene
Concen: 0.213 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

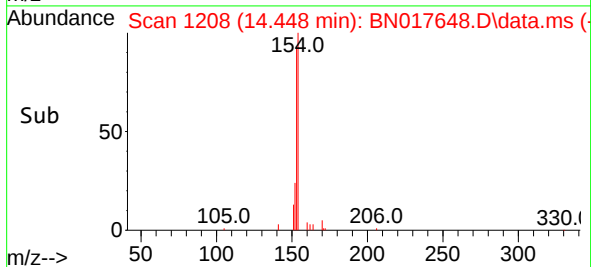
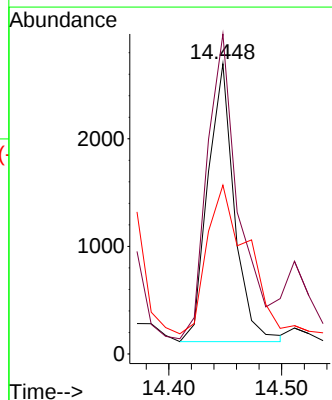
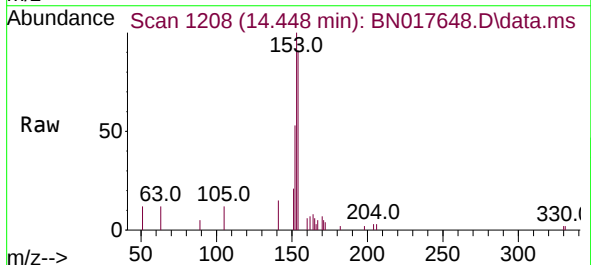
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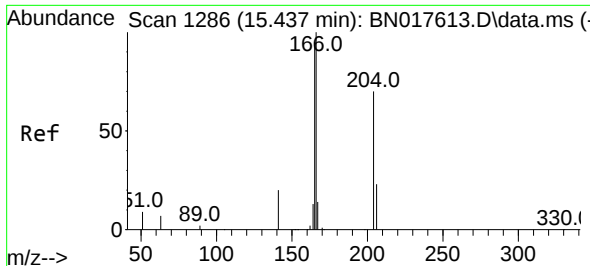
Tgt Ion:152 Resp: 49701
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 14.9 10.4 15.6



#17
Acenaphthene
Concen: 0.026 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion:154 Resp: 4211
Ion Ratio Lower Upper
154 100
153 128.2 91.2 136.8
152 88.7 44.3 66.5#

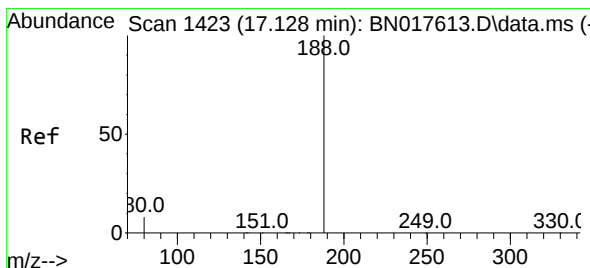
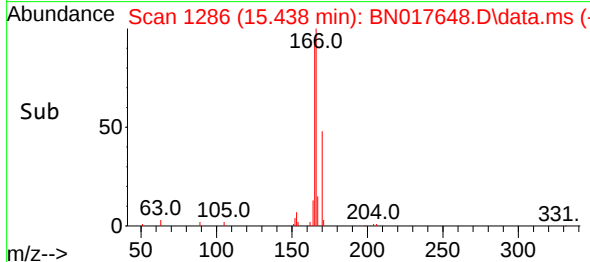
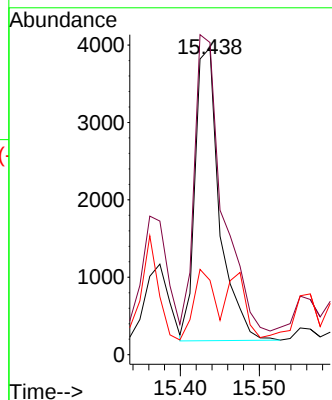
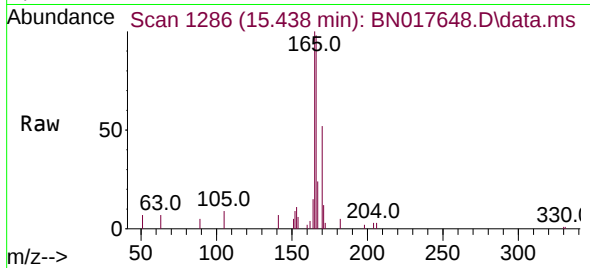




#18
Fluorene
Concen: 0.042 ng
RT: 15.438 min Scan# 11
Delta R.T. 0.001 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

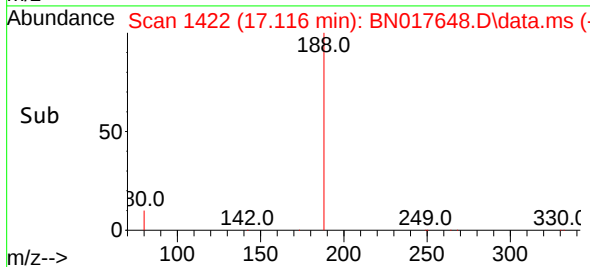
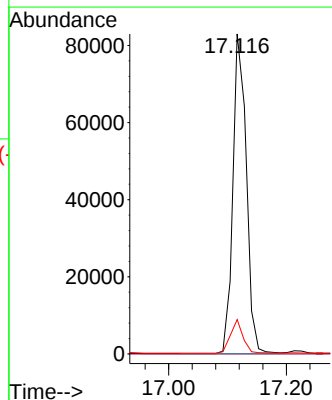
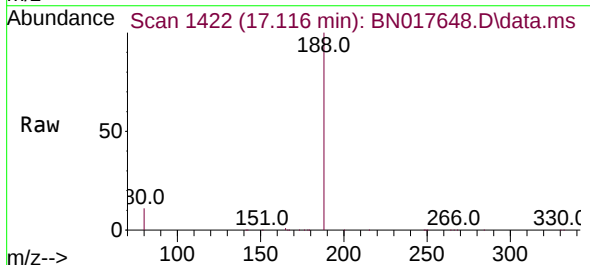
Instrument :
BNA_N
ClientSampleId :
CS-8DL

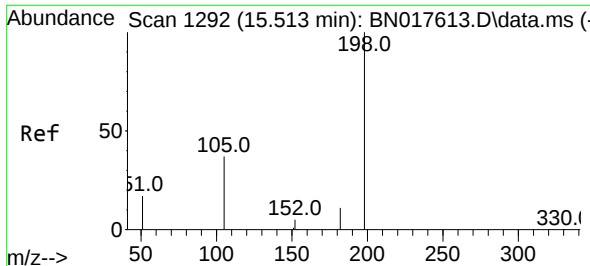
Tgt Ion:166 Resp: 8157
Ion Ratio Lower Upper
166 100
165 114.2 77.9 116.9
167 20.5 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion:188 Resp: 131462
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 6.1 9.1#

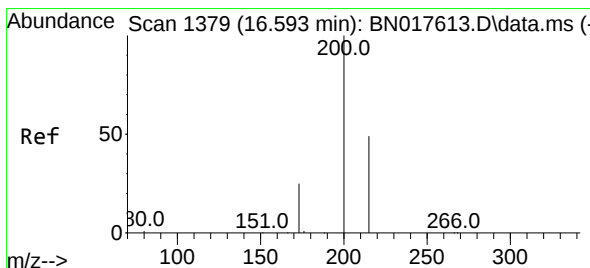
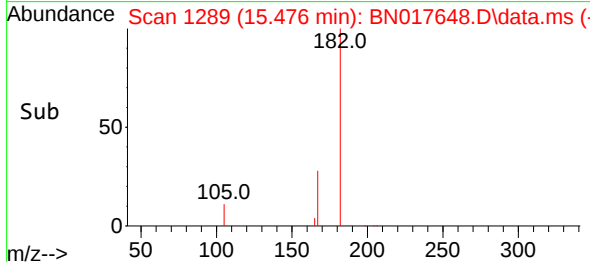
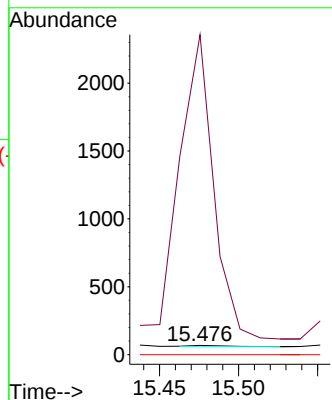
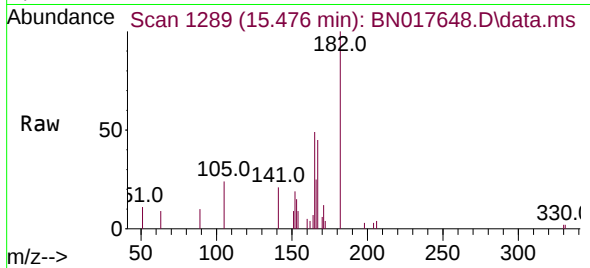




#20
4,6-Dinitro-2-methylphenol
Concen: 0.058 ng
RT: 15.476 min Scan# 1289
Delta R.T. -0.037 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

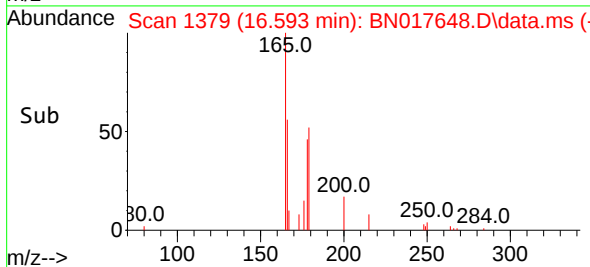
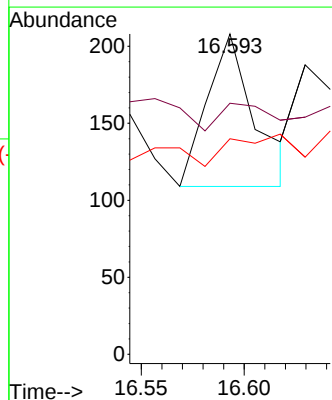
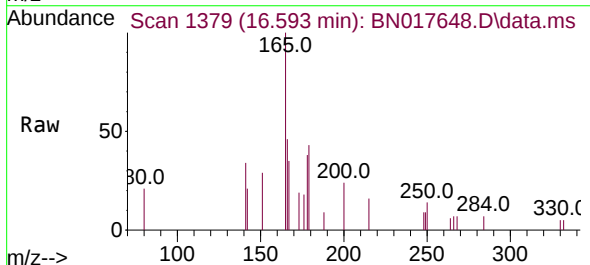
Instrument :
BNA_N
ClientSampleId :
CS-8DL

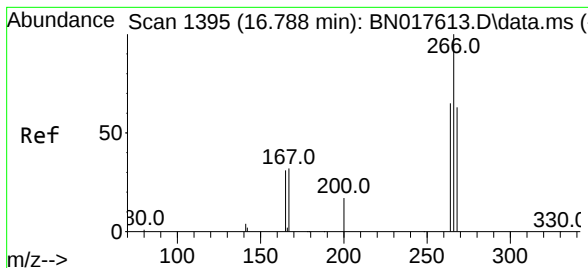
Tgt Ion:198 Resp: 14
Ion Ratio Lower Upper
198 100
182 3466.2 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.133 ng
RT: 16.593 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion:200 Resp: 159
Ion Ratio Lower Upper
200 100
173 78.4 17.6 26.4#
215 67.3 40.2 60.4#





#24

Pentachlorophenol

Concen: 0.196 ng

RT: 16.788 min Scan# 1395

Delta R.T. -0.000 min

Lab File: BN017648.D

Acq: 01 Dec 2021 13:22

Instrument :

BNA_N

ClientSampleId :

CS-8DL

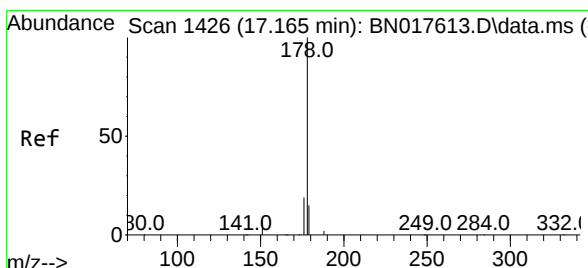
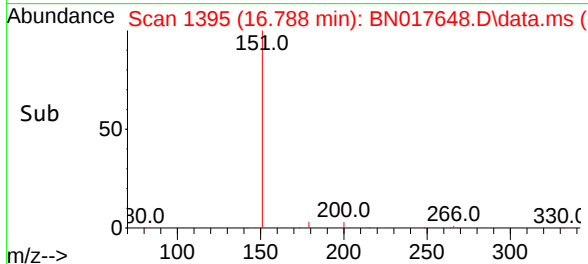
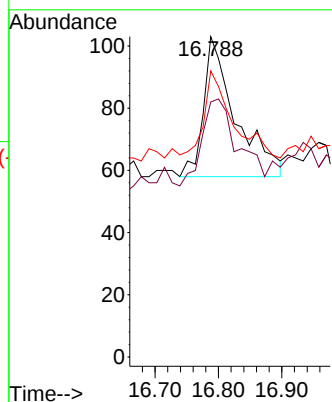
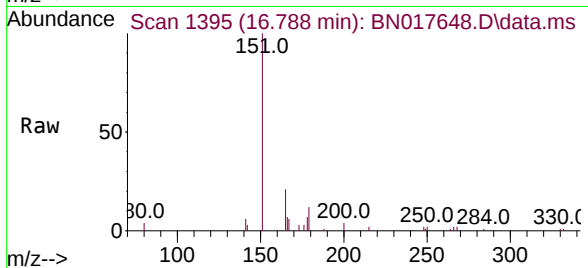
Tgt Ion:266 Resp: 159

Ion Ratio Lower Upper

266 100

264 69.8 49.8 74.8

268 56.6 51.3 76.9



#25

Phenanthrene

Concen: 4.108 ng

RT: 17.165 min Scan# 1426

Delta R.T. 0.000 min

Lab File: BN017648.D

Acq: 01 Dec 2021 13:22

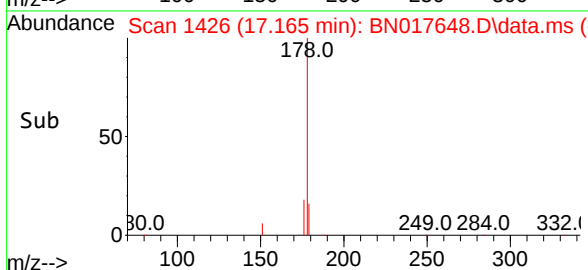
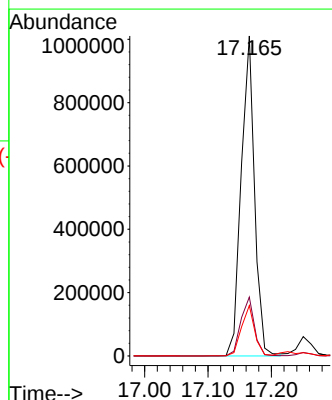
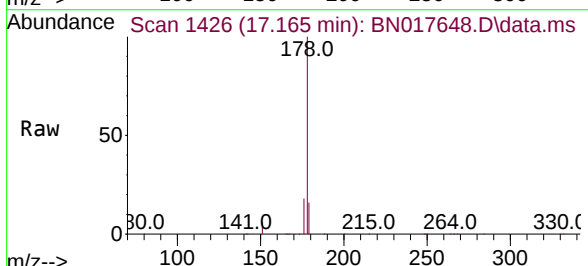
Tgt Ion:178 Resp: 1481167

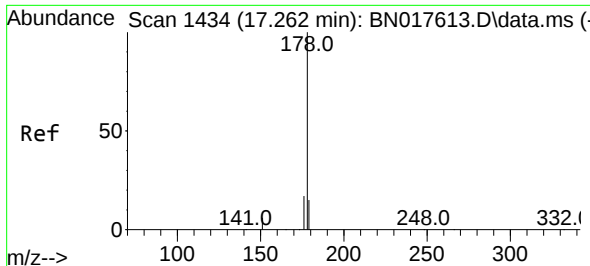
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

179 15.6 12.3 18.5

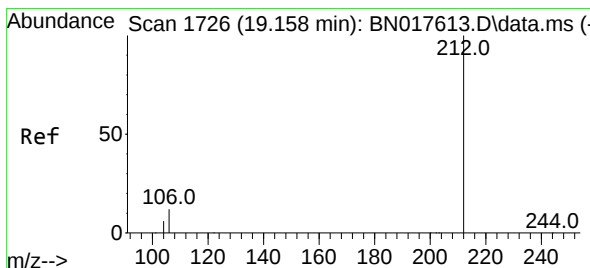
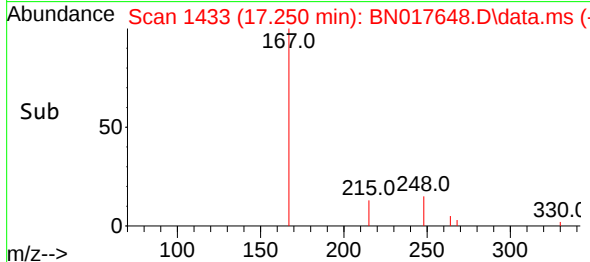
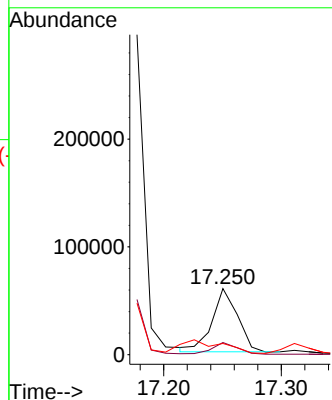
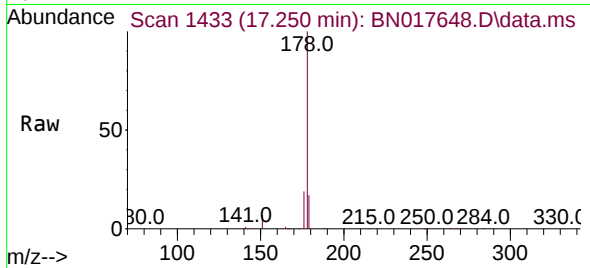




#26
 Anthracene
 Concen: 0.284 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017648.D
 Acq: 01 Dec 2021 13:22

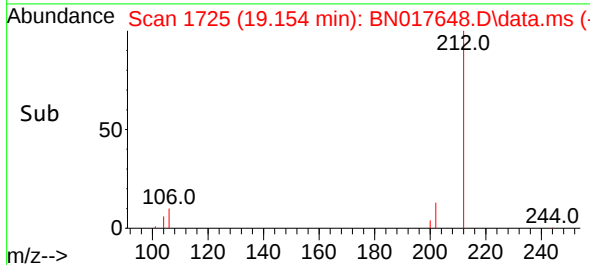
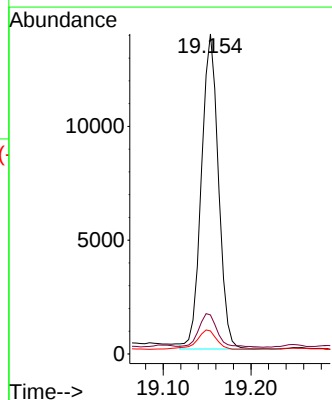
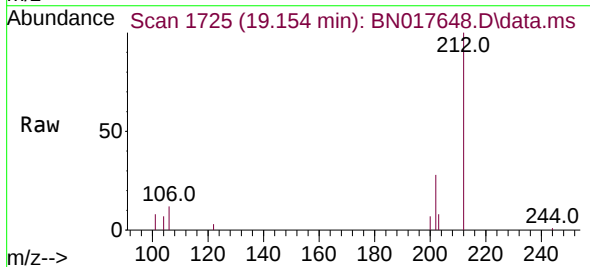
Instrument :
 BNA_N
 ClientSampleId :
 CS-8DL

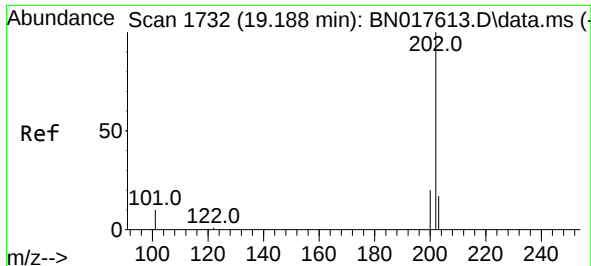
Tgt Ion:178 Resp: 87843
 Ion Ratio Lower Upper
 178 100
 176 20.1 14.6 22.0
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.045 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017648.D
 Acq: 01 Dec 2021 13:22

Tgt Ion:212 Resp: 18664
 Ion Ratio Lower Upper
 212 100
 106 11.5 10.5 15.7
 104 7.1 5.8 8.6

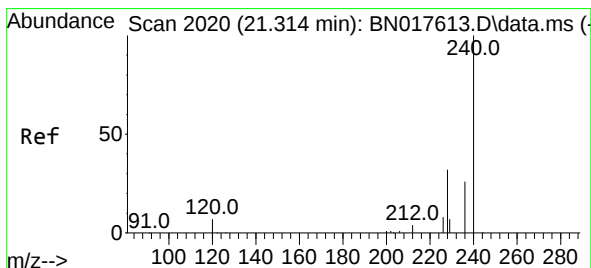
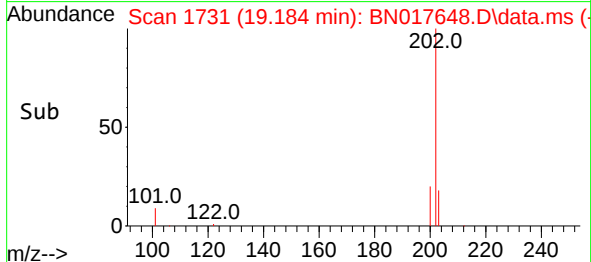
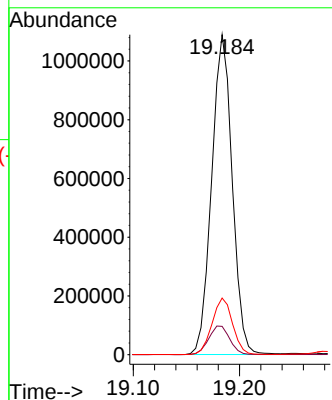
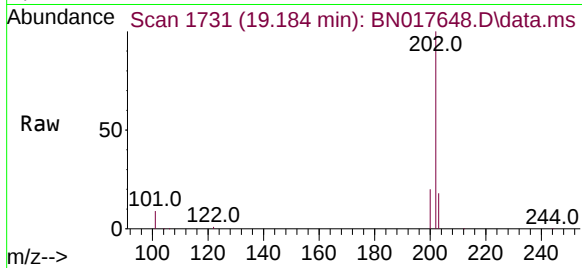




#28
Fluoranthene
Concen: 3.589 ng
RT: 19.184 min Scan# 1732
Delta R.T. -0.004 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

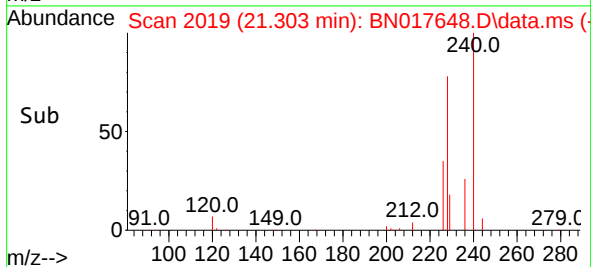
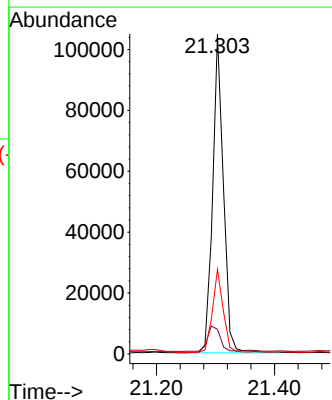
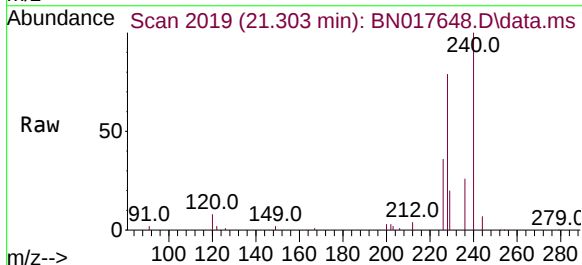
Instrument :
BNA_N
ClientSampleId :
CS-8DL

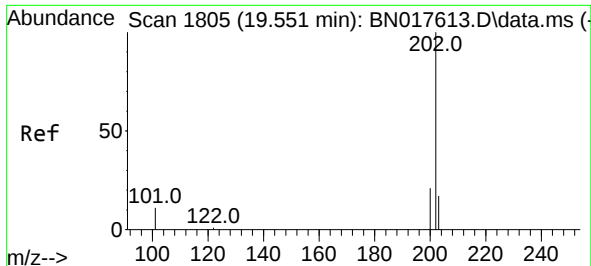
Tgt Ion:202 Resp: 1464285
Ion Ratio Lower Upper
202 100
101 9.2 8.9 13.3
203 17.6 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion:240 Resp: 132746
Ion Ratio Lower Upper
240 100
120 7.7 4.2 6.2#
236 26.5 20.0 30.0

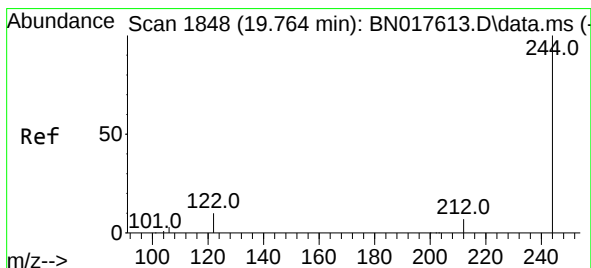
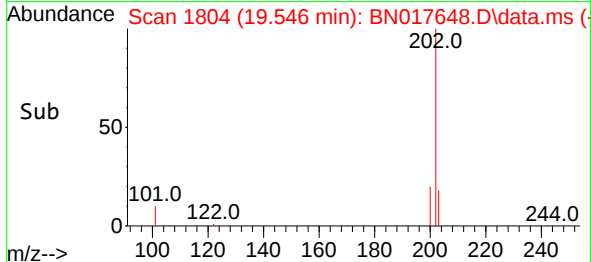
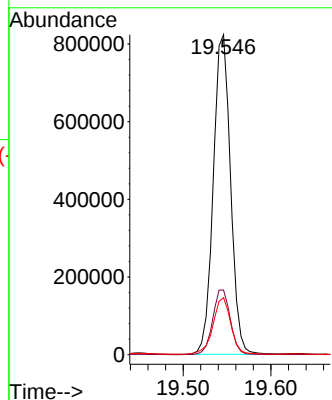
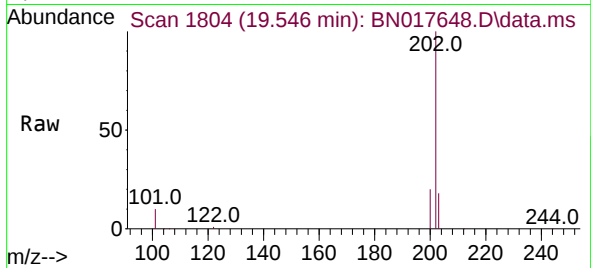




#30
Pyrene
Concen: 2.622 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

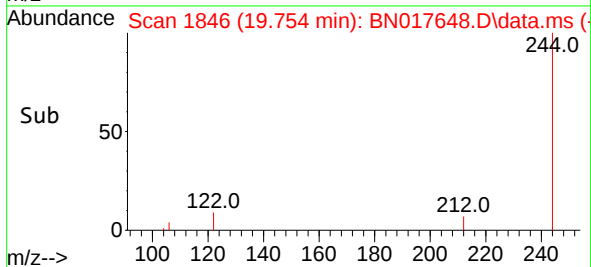
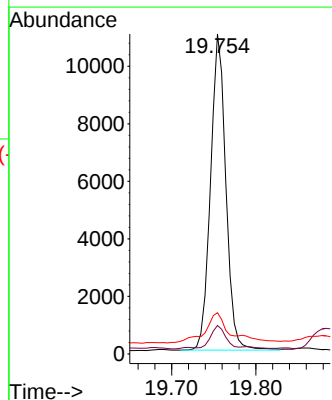
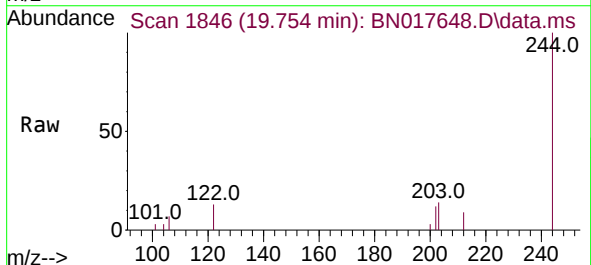
Instrument :
BNA_N
ClientSampleId :
CS-8DL

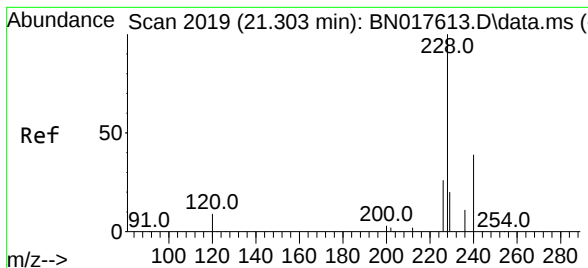
Tgt Ion:202 Resp: 1123746
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 18.3 14.0 21.0



#31
Terphenyl-d14
Concen: 0.048 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion:244 Resp: 13935
Ion Ratio Lower Upper
244 100
212 8.9 5.7 8.5#
122 12.9 8.6 13.0





#32

Benzo(a)anthracene

Concen: 1.392 ng

RT: 21.293 min Scan# 2018

Delta R.T. -0.010 min

Lab File: BN017648.D

Acq: 01 Dec 2021 13:22

Instrument :

BNA_N

ClientSampleId :

CS-8DL

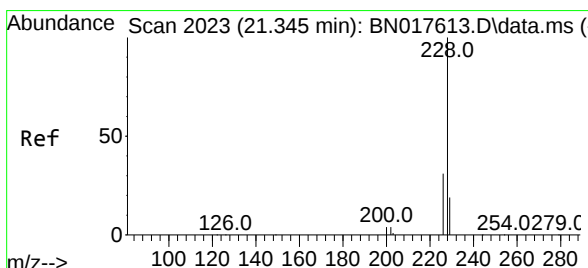
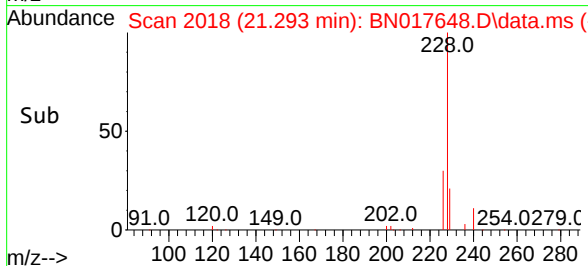
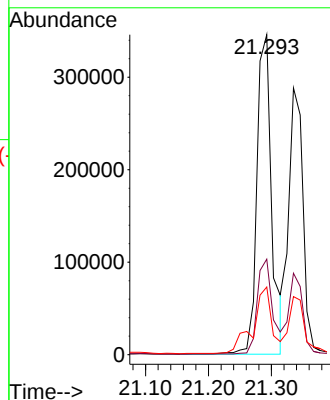
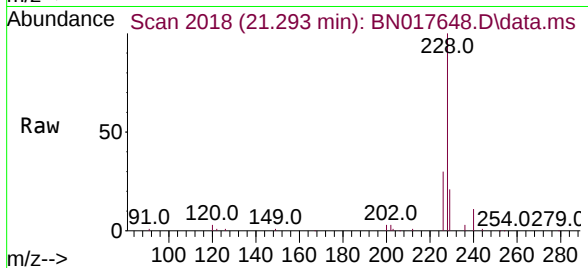
Tgt Ion:228 Resp: 561313

Ion Ratio Lower Upper

228 100

226 29.8 21.3 31.9

229 21.1 15.7 23.5



#33

Chrysene

Concen: 1.031 ng

RT: 21.335 min Scan# 2022

Delta R.T. -0.010 min

Lab File: BN017648.D

Acq: 01 Dec 2021 13:22

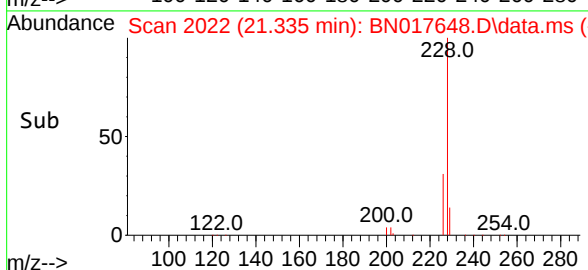
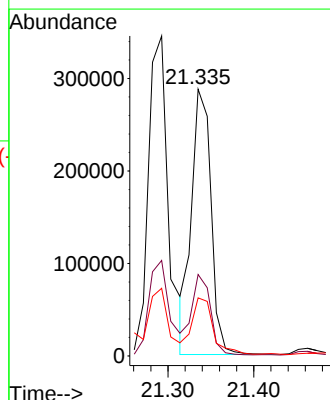
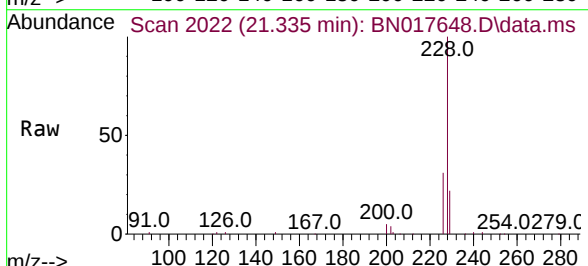
Tgt Ion:228 Resp: 452144

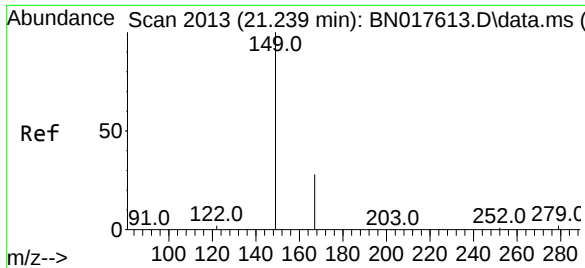
Ion Ratio Lower Upper

228 100

226 30.6 23.3 34.9

229 21.8 15.6 23.4

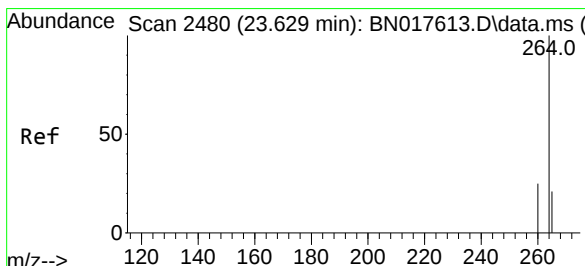
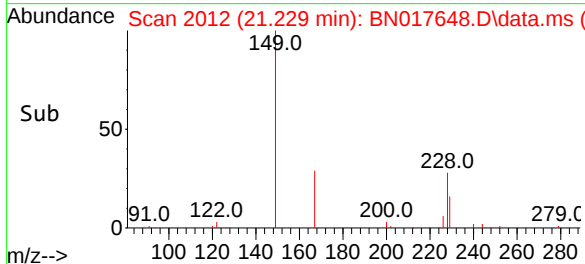
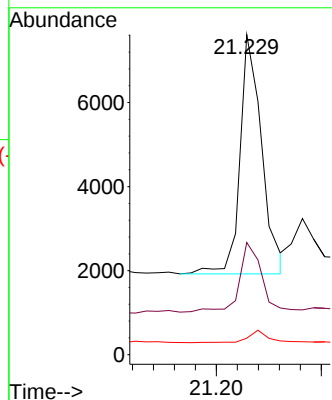
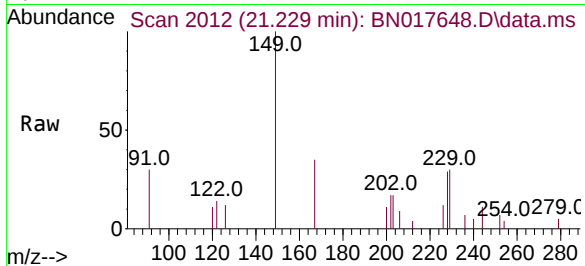




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.085 ng
 RT: 21.229 min Scan# 20
 Delta R.T. -0.010 min
 Lab File: BN017648.D
 Acq: 01 Dec 2021 13:22

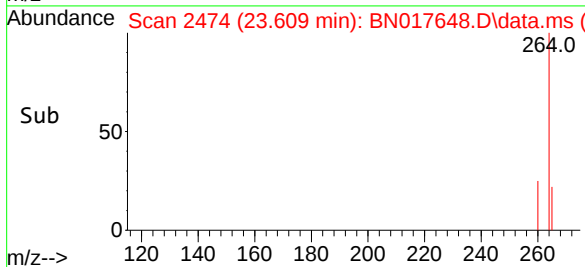
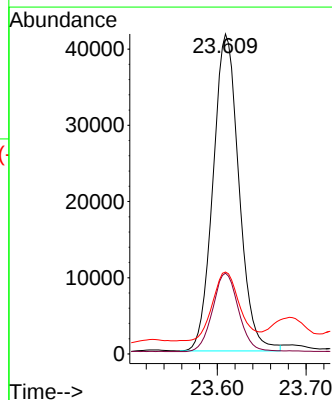
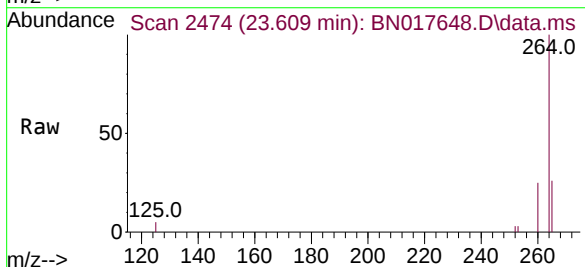
Instrument :
 BNA_N
 ClientSampleId :
 CS-8DL

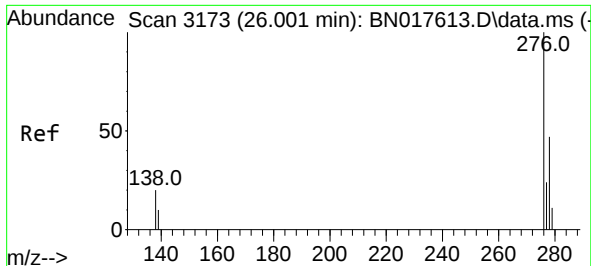
Tgt Ion:149 Resp: 8151
 Ion Ratio Lower Upper
 149 100
 167 30.2 21.8 32.6
 279 5.0 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.609 min Scan# 2474
 Delta R.T. -0.020 min
 Lab File: BN017648.D
 Acq: 01 Dec 2021 13:22

Tgt Ion:264 Resp: 84328
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.4 29.2
 265 25.6 18.6 28.0

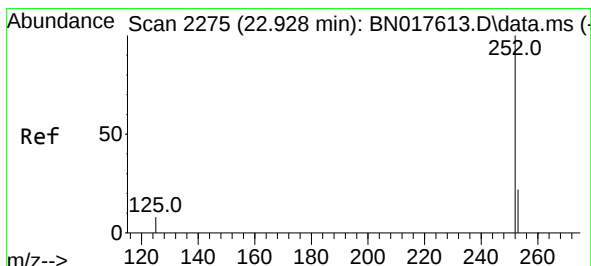
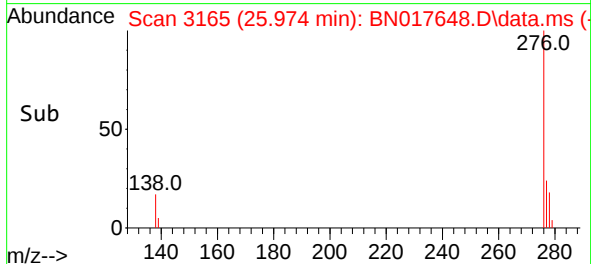
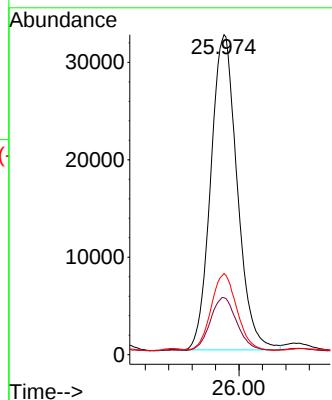
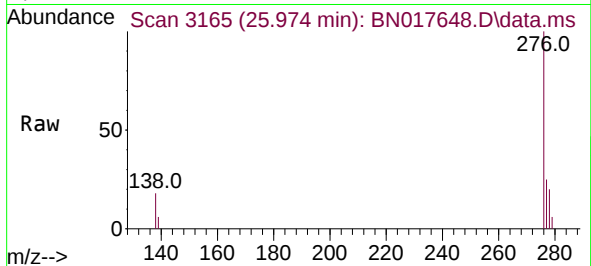




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.370 ng
RT: 25.974 min Scan# 3173
Delta R.T. -0.027 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

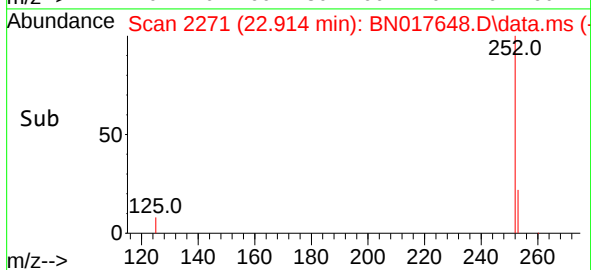
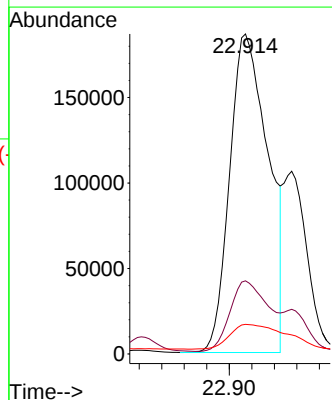
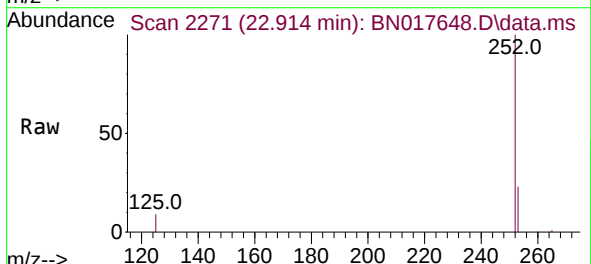
Instrument :
BNA_N
ClientSampleId :
CS-8DL

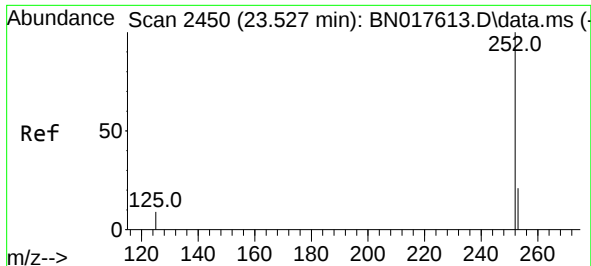
Tgt Ion:276 Resp: 101389
Ion Ratio Lower Upper
276 100
138 16.9 19.7 29.5#
277 23.5 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 1.586 ng
RT: 22.914 min Scan# 2271
Delta R.T. -0.013 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion:252 Resp: 443586
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 9.2 7.8 11.8





#39

Benzo(a)pyrene

Concen: 0.805 ng

RT: 23.506 min Scan# 24

Delta R.T. -0.020 min

Lab File: BN017648.D

Acq: 01 Dec 2021 13:22

Instrument :

BNA_N

ClientSampleId :

CS-8DL

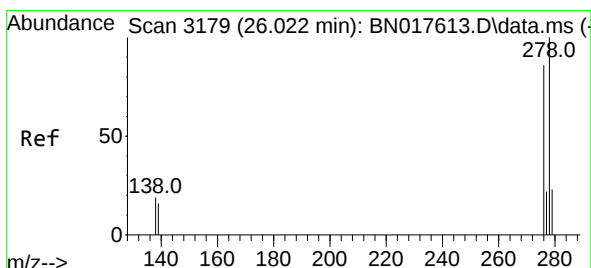
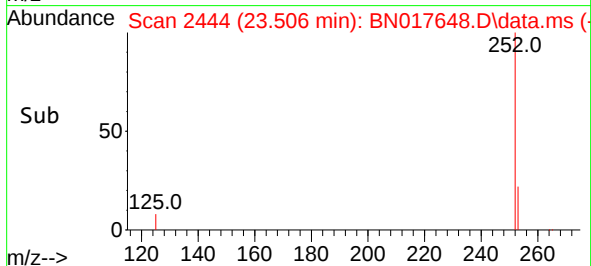
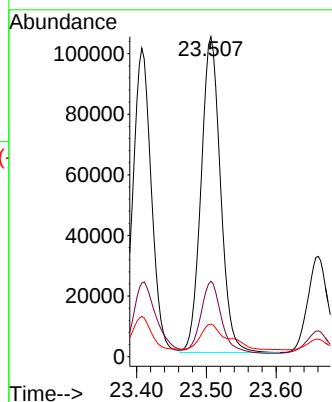
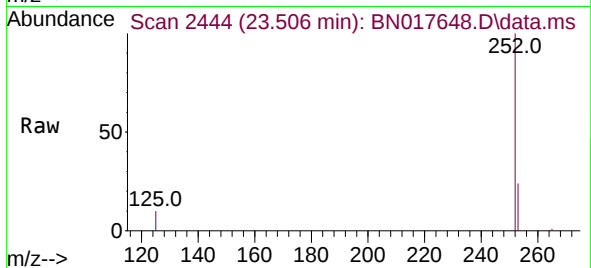
Tgt Ion:252 Resp: 201613

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

125 10.2 9.2 13.8



#40

Dibenzo(a,h)anthracene

Concen: 0.104 ng

RT: 25.985 min Scan# 3168

Delta R.T. -0.037 min

Lab File: BN017648.D

Acq: 01 Dec 2021 13:22

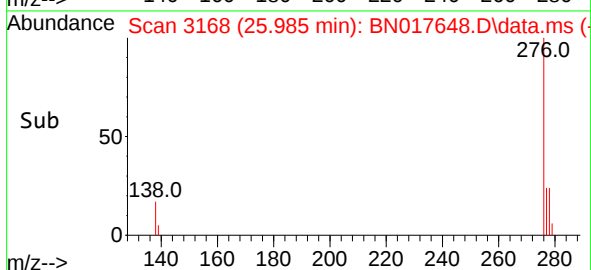
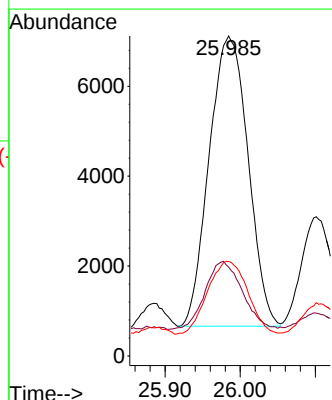
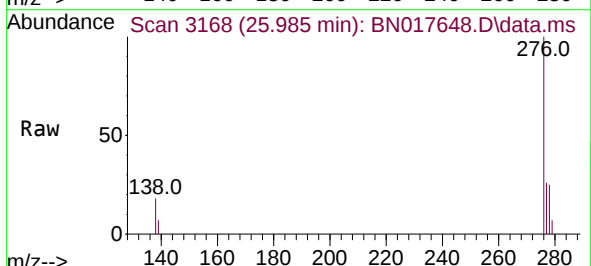
Tgt Ion:278 Resp: 23208

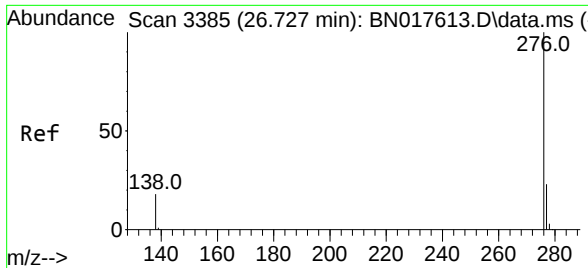
Ion Ratio Lower Upper

278 100

139 27.8 13.0 19.6#

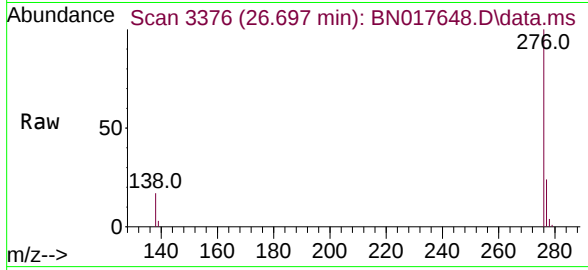
279 29.5 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 0.346 ng
RT: 26.697 min Scan# 31
Delta R.T. -0.030 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL



Tgt Ion:276 Resp: 79550
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.4
138 17.4 17.1 25.7

