

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017639.D
 Acq On : 01 Dec 2021 07:58
 Operator : CG/JU
 Sample : M4862-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-9

Quant Time: Dec 01 08:27:45 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)

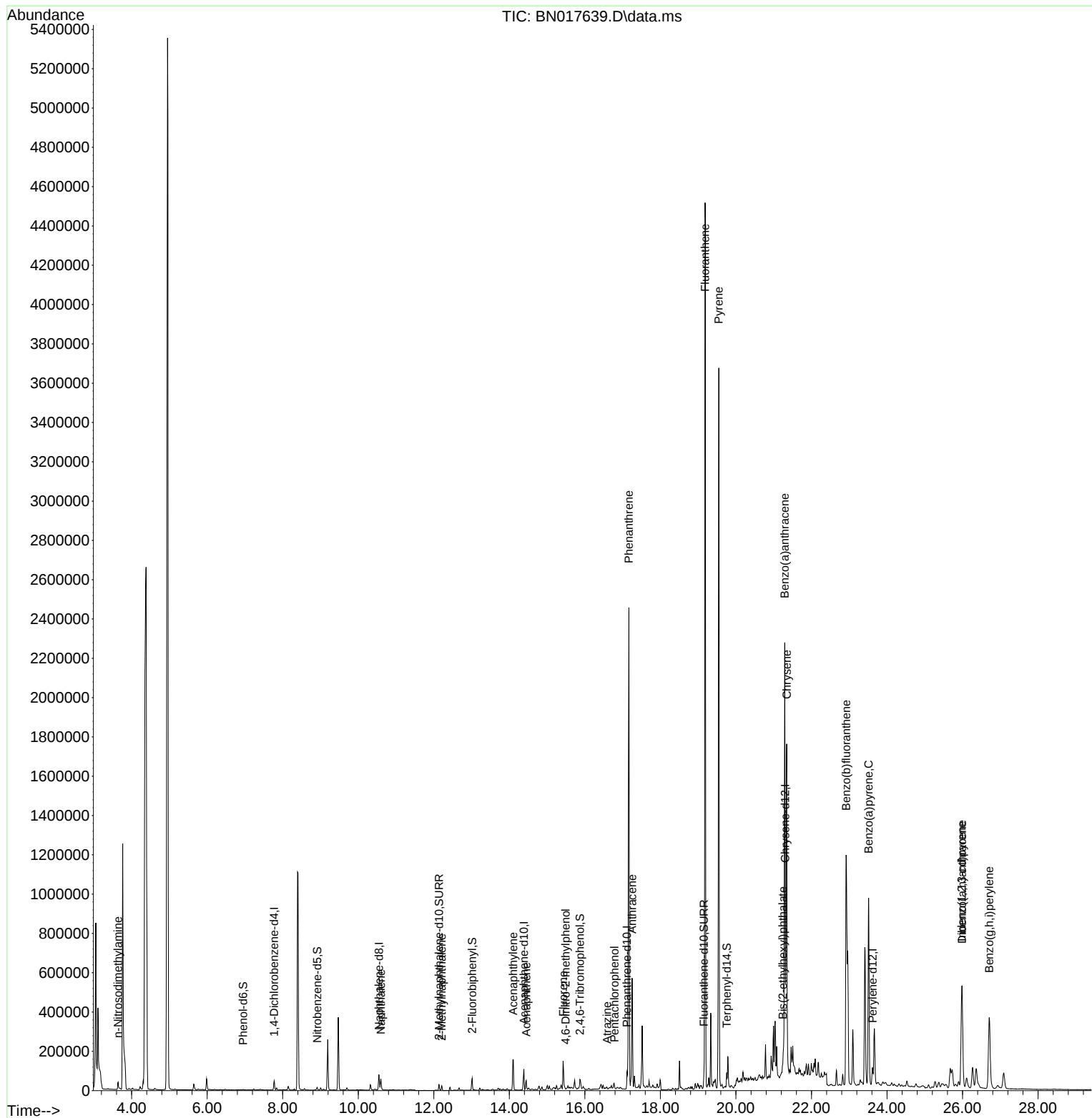
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	24291	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	100143	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	62125	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	124557	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	114933	0.400	ng	#-0.01
35) Perylene-d12	23.616	264	118709	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	367	0.007	ng	0.03
5) Phenol-d6	6.952	99	2076	0.036	ng	0.00
8) Nitrobenzene-d5	8.913	82	12282	0.289	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	42204	0.241	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	43	0.126	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	54468	0.225	ng	0.00
27) Fluoranthene-d10	19.154	212	96665	0.248	ng	0.00
31) Terphenyl-d14	19.754	244	71917	0.285	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.642	42	11466	0.503	ng	# 1
9) Naphthalene	10.598	128	68562	0.271	ng	100
12) 2-Methylnaphthalene	12.209	142	18621	0.112	ng	98
16) Acenaphthylene	14.105	152	201264	0.831	ng	99
17) Acenaphthene	14.448	154	26007	0.155	ng	97
18) Fluorene	15.425	166	105079	0.516	ng	93
20) 4,6-Dinitro-2-methylph...	15.488	198	33	0.062	ng	# 1
23) Atrazine	16.593	200	253	0.135	ng	# 29
24) Pentachlorophenol	16.788	266	1185	0.218	ng	96
25) Phenanthrene	17.165	178	2613077	7.649	ng	99
26) Anthracene	17.250	178	574392	1.957	ng	# 92
28) Fluoranthene	19.184	202	4245508	10.982	ng	97
30) Pyrene	19.546	202	3494110	9.418	ng	96
32) Benzo(a)anthracene	21.293	228	1929533	5.527	ng	93
33) Chrysene	21.346	228	1648547	4.341	ng	96
34) Bis(2-ethylhexyl)phtha...	21.240	149	52192	0.630	ng	96
36) Indeno(1,2,3-cd)pyrene	25.985	276	918117	2.382	ng	# 92
37) Benzo(b)fluoranthene	22.918	252	2090546	5.311	ng	98
39) Benzo(a)pyrene	23.513	252	1395377	3.960	ng	97
40) Dibenzo(a,h)anthracene	25.988	278	213164	0.677	ng	94
41) Benzo(g,h,i)perylene	26.707	276	835892	2.579	ng	96

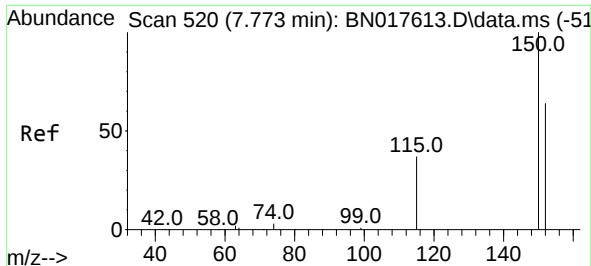
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017639.D
Acq On : 01 Dec 2021 07:58
Operator : CG/JU
Sample : M4862-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CS-9

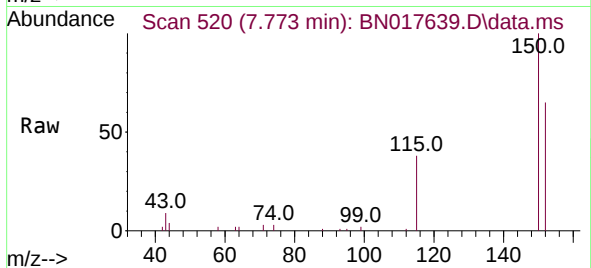
Quant Time: Dec 01 08:27:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 30 18:26:44 2021
Response via : Initial Calibration



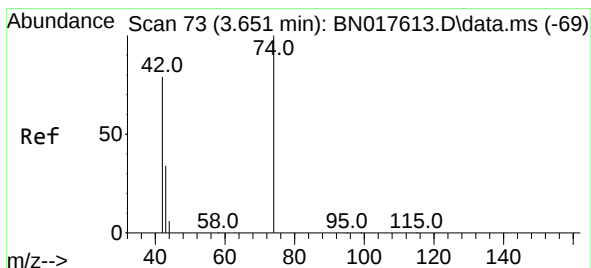
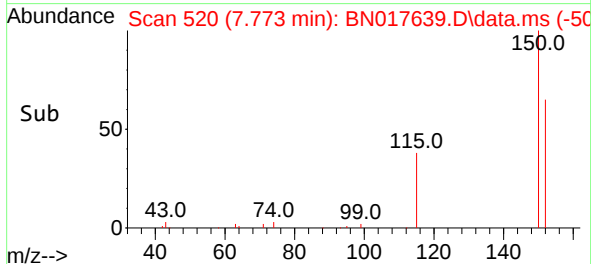
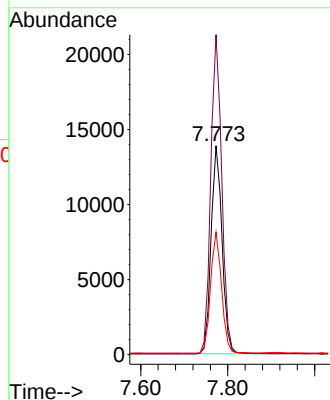


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Instrument :
BNA_N
ClientSampleId :
CS-9

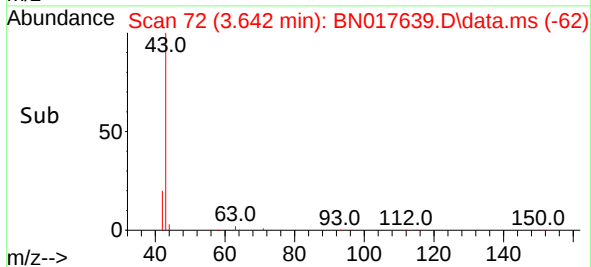
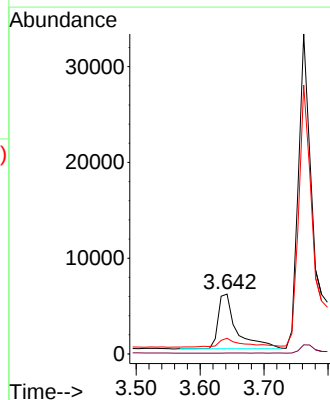
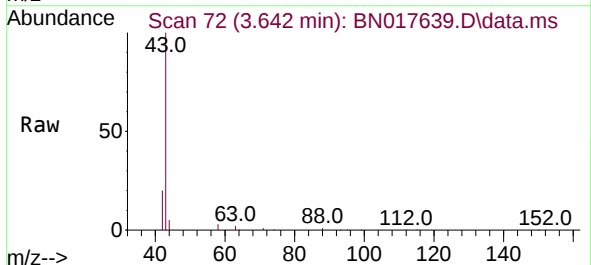


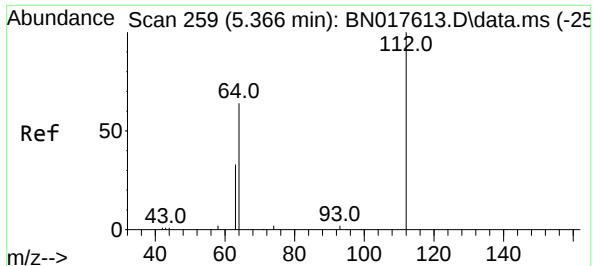
Tgt Ion:152 Resp: 24291
Ion Ratio Lower Upper
152 100
150 153.1 123.0 184.4
115 58.6 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.503 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion: 42 Resp: 11466
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 21.0 5.5 8.3#

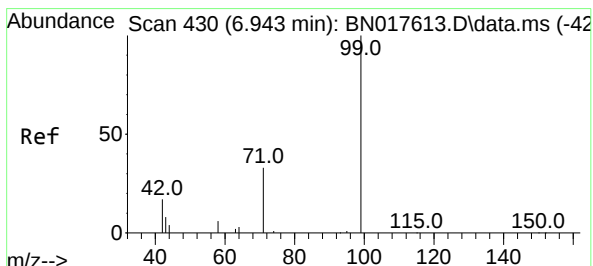
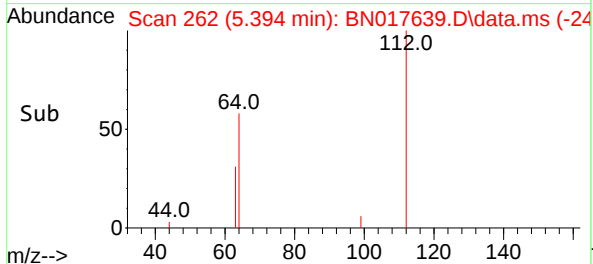
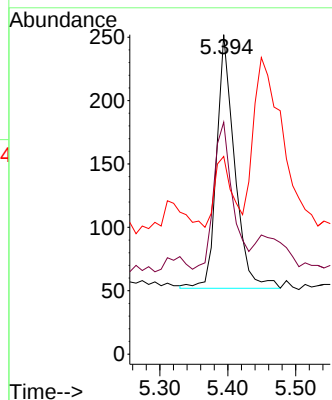
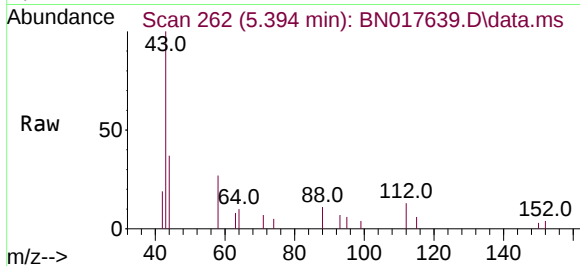




#4
2-Fluorophenol
Concen: 0.007 ng
RT: 5.394 min Scan# 210
Delta R.T. 0.028 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

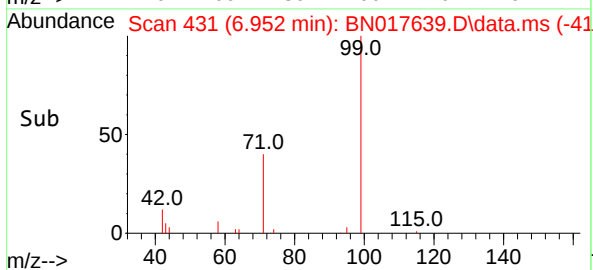
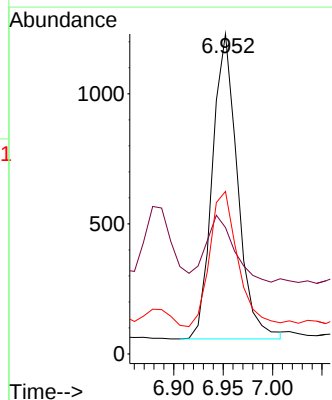
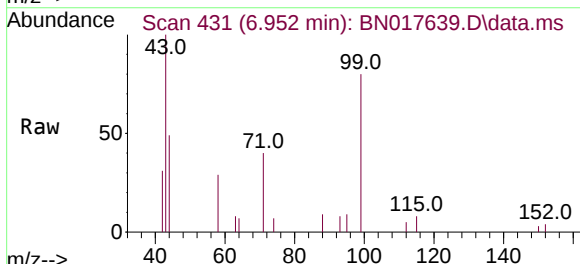
Instrument :
BNA_N
ClientSampleId :
CS-9

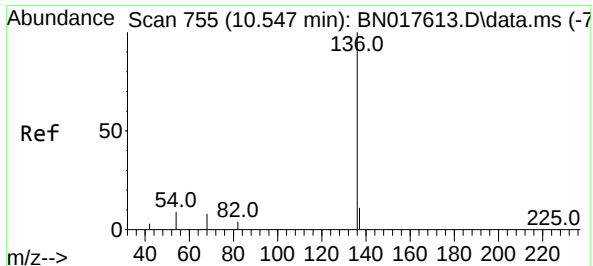
Tgt Ion:112 Resp: 367
Ion Ratio Lower Upper
112 100
64 61.3 47.6 71.4
63 26.4 24.6 37.0



#5
Phenol-d6
Concen: 0.036 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.010 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion: 99 Resp: 2076
Ion Ratio Lower Upper
99 100
42 24.1 17.0 25.6
71 49.7 24.8 37.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 71
Delta R.T. 0.001 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

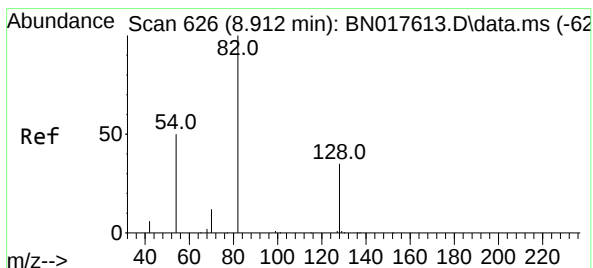
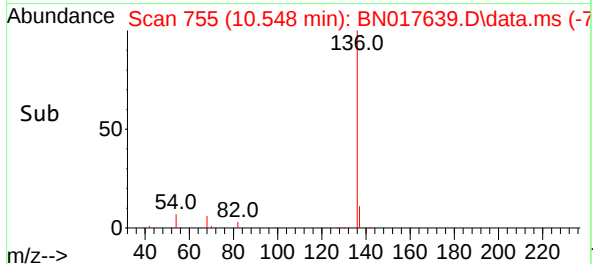
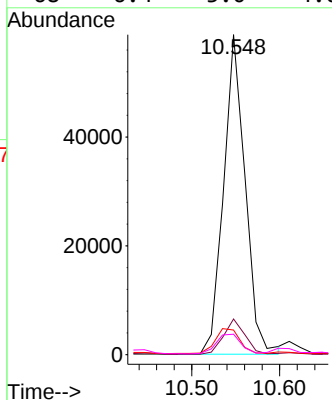
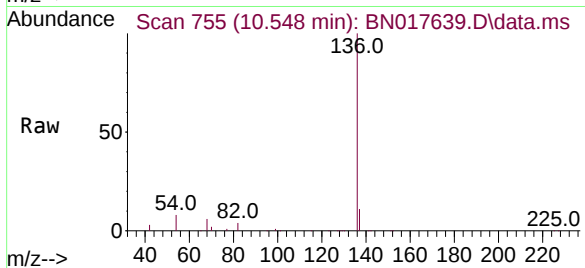
Instrument :

BNA_N

ClientSampleId :

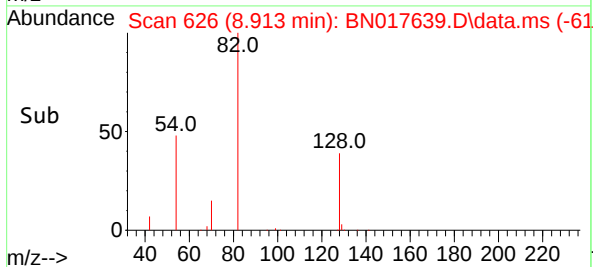
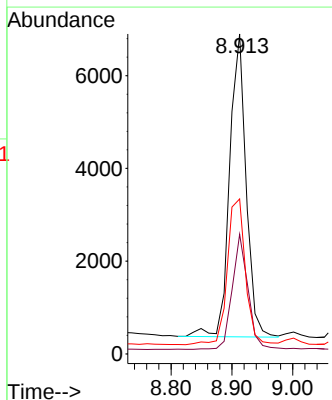
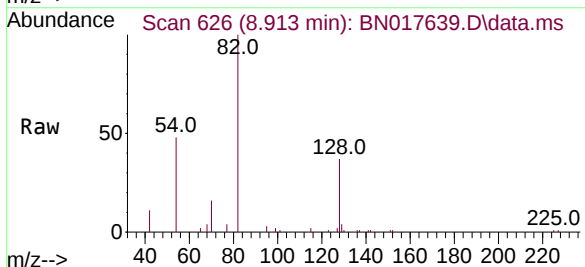
CS-9

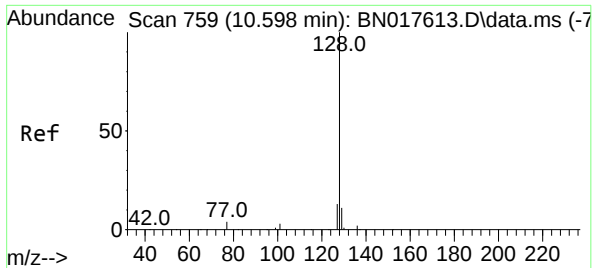
Tgt Ion:136 Resp: 100143
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.7 4.0 6.0#
68 6.4 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.289 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion: 82 Resp: 12282
Ion Ratio Lower Upper
82 100
128 37.4 27.7 41.5
54 48.5 49.2 73.8#

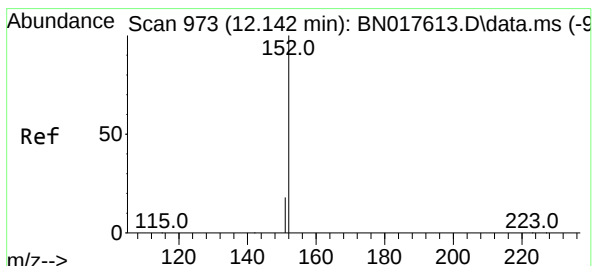
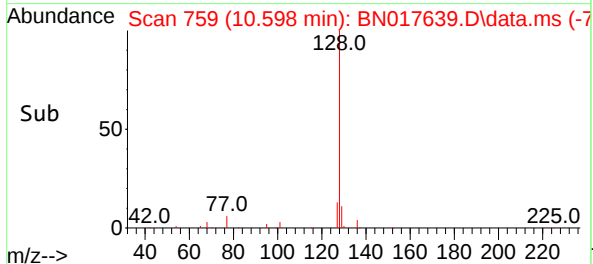
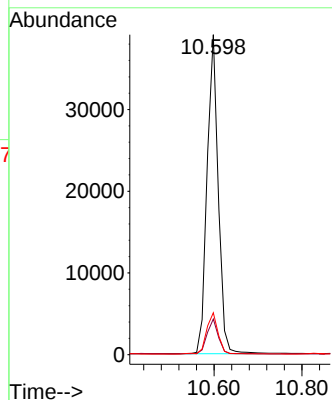
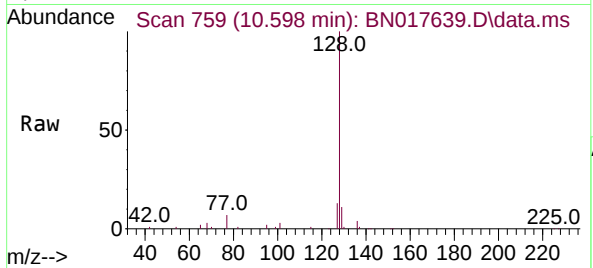




#9
Naphthalene
Concen: 0.271 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

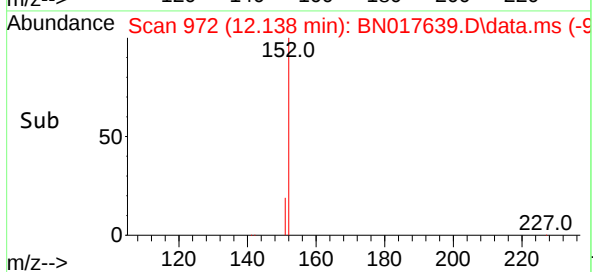
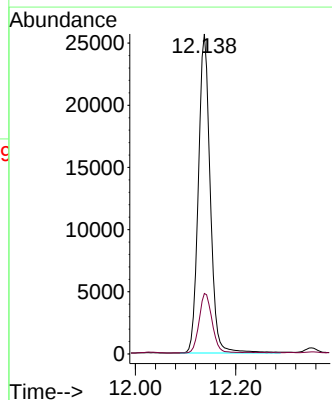
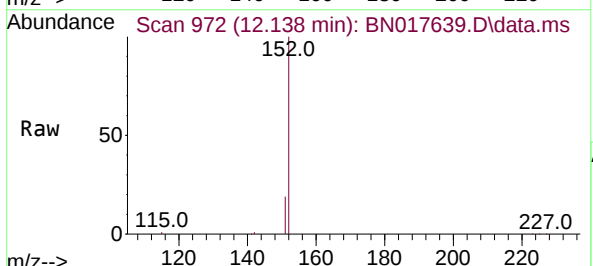
Instrument :
BNA_N
ClientSampleId :
CS-9

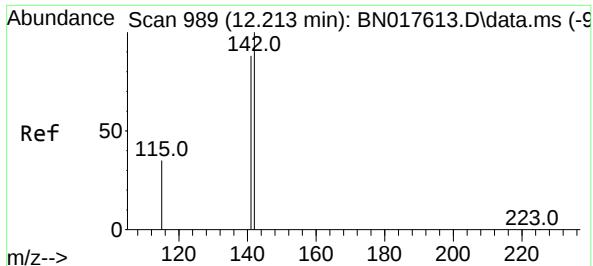
Tgt Ion:128 Resp: 68562
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.241 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:152 Resp: 42204
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.112 ng

RT: 12.209 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017639.D

Acq: 01 Dec 2021 07:58

Instrument :

BNA_N

ClientSampleId :

CS-9

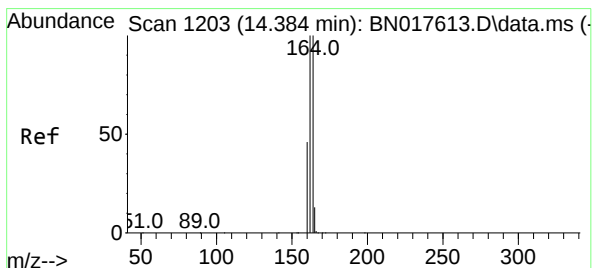
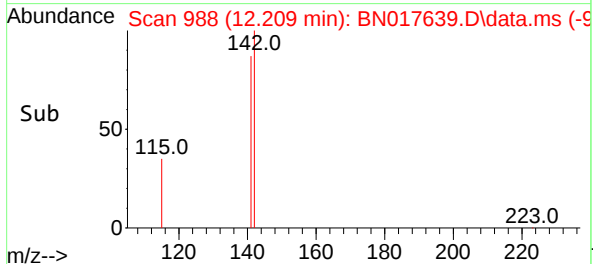
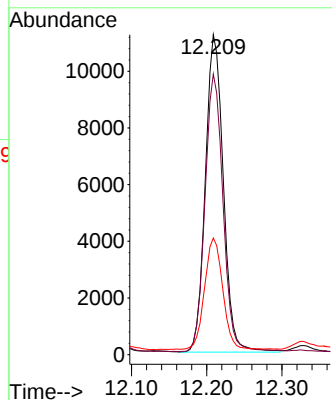
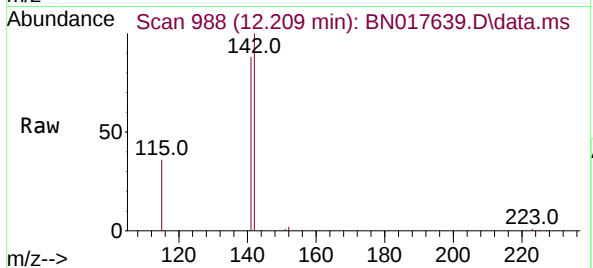
Tgt Ion:142 Resp: 18621

Ion Ratio Lower Upper

142 100

141 87.7 70.6 106.0

115 36.5 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: BN017639.D

Acq: 01 Dec 2021 07:58

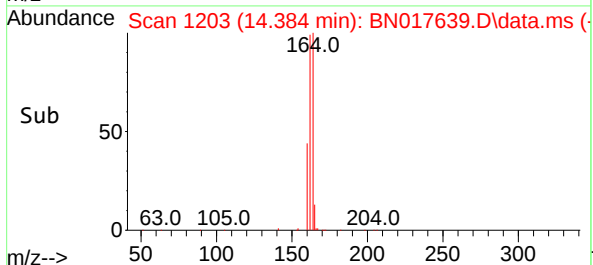
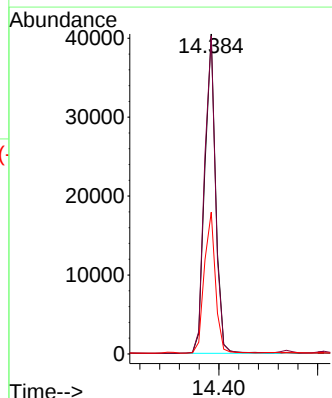
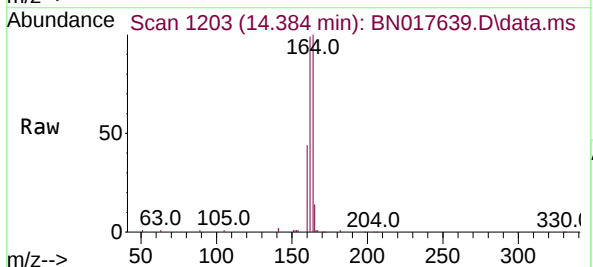
Tgt Ion:164 Resp: 62125

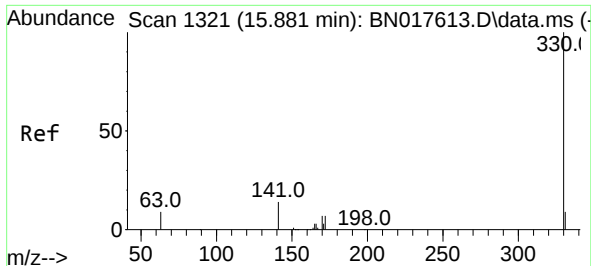
Ion Ratio Lower Upper

164 100

162 99.4 81.4 122.2

160 44.3 36.8 55.2

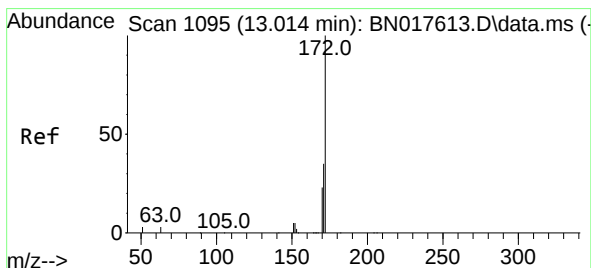
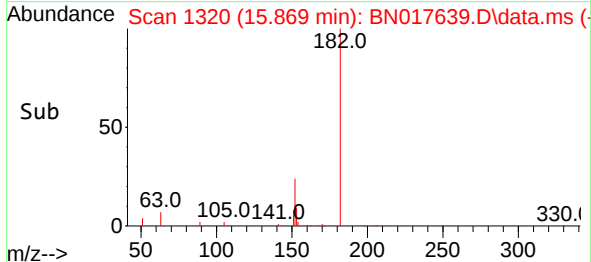
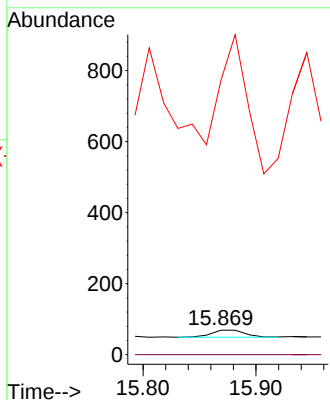
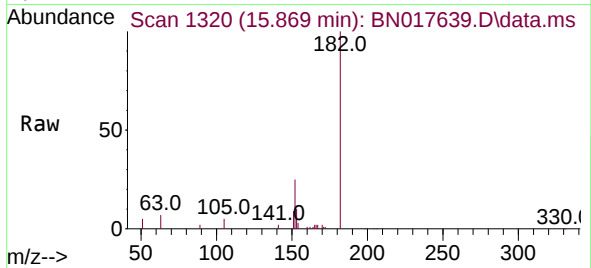




#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

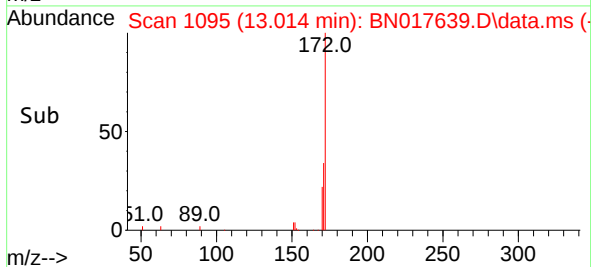
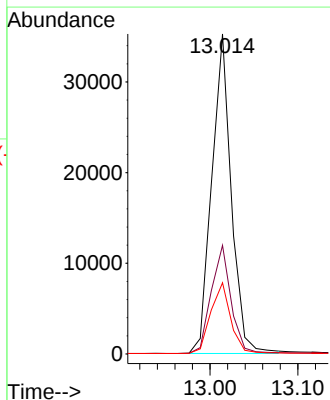
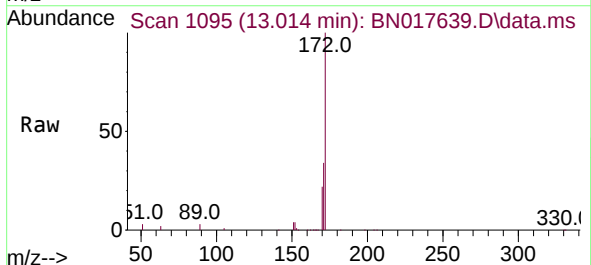
Instrument :
BNA_N
ClientSampleId :
CS-9

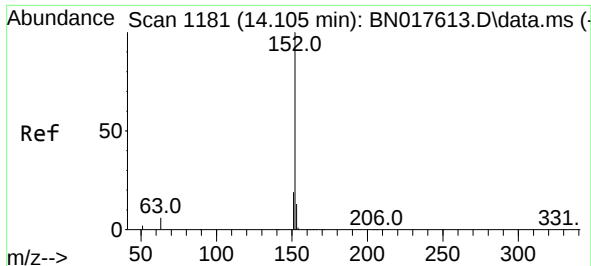
Tgt Ion:330 Resp: 43
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 1472.1 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.225 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:172 Resp: 54468
Ion Ratio Lower Upper
172 100
171 34.0 28.7 43.1
170 22.3 19.4 29.2

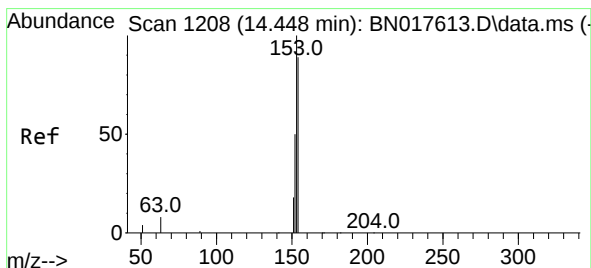
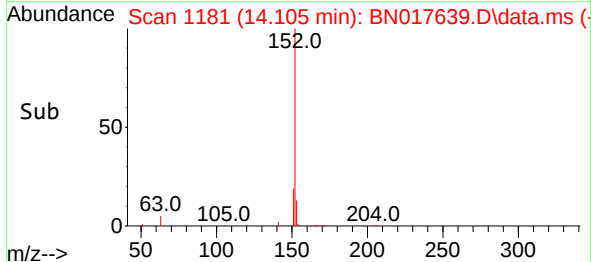
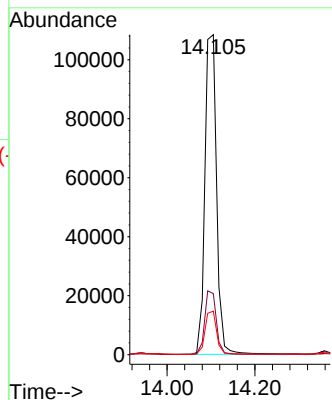
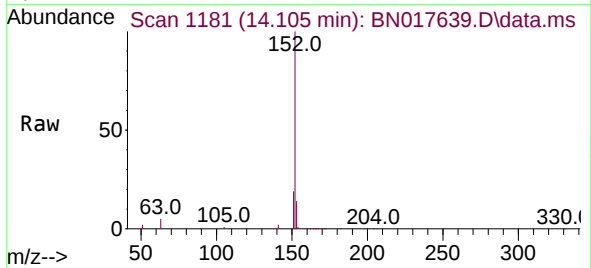




#16
Acenaphthylene
Concen: 0.831 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

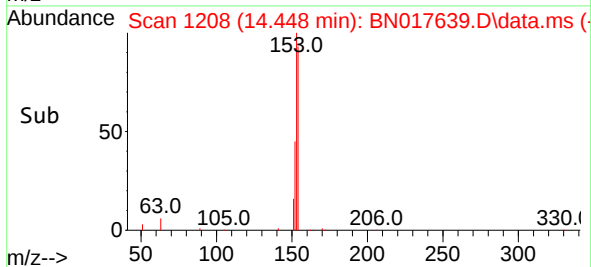
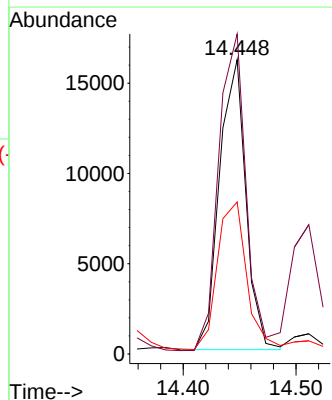
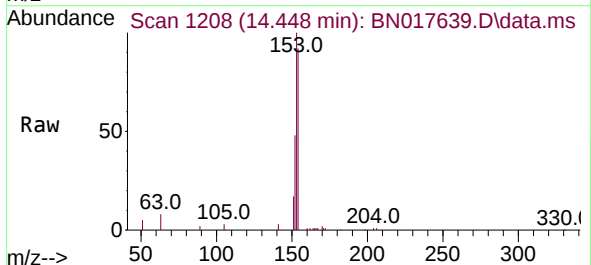
Instrument :
BNA_N
ClientSampleId :
CS-9

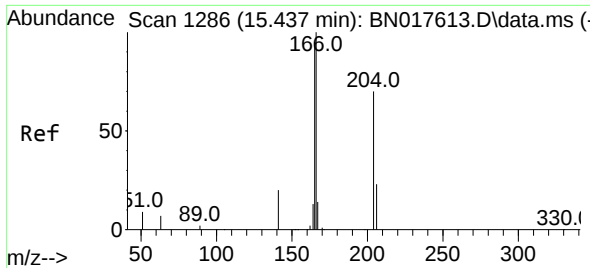
Tgt Ion:152 Resp: 201264
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.4 10.4 15.6



#17
Acenaphthene
Concen: 0.155 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:154 Resp: 26007
Ion Ratio Lower Upper
154 100
153 113.2 91.2 136.8
152 60.9 44.3 66.5

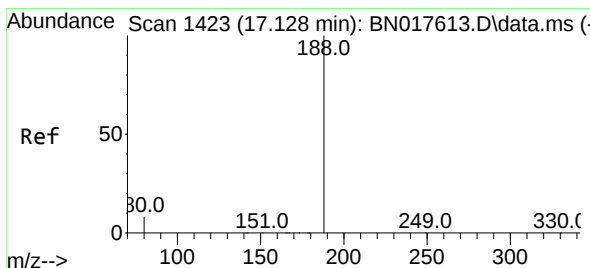
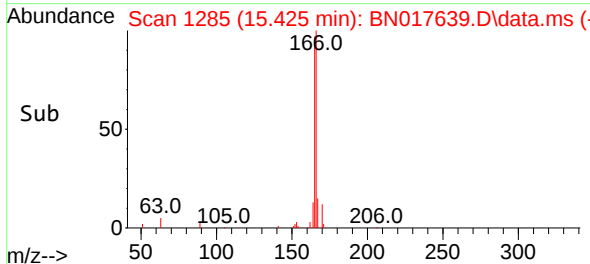
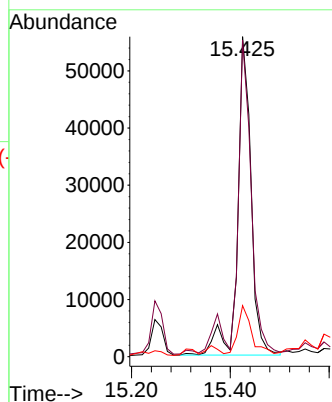
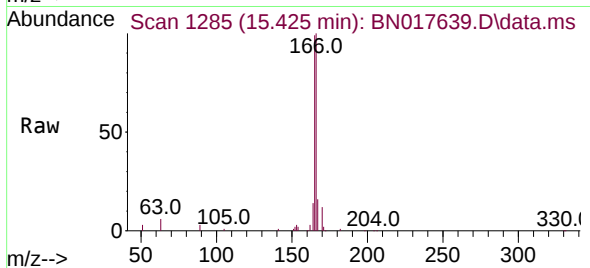




#18
Fluorene
Concen: 0.516 ng
RT: 15.425 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

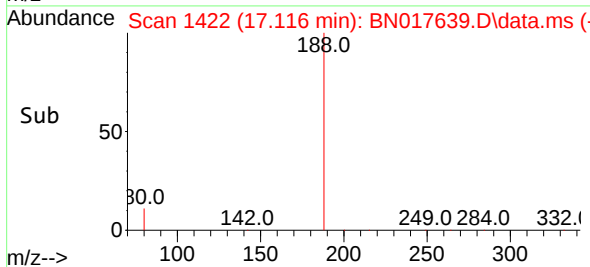
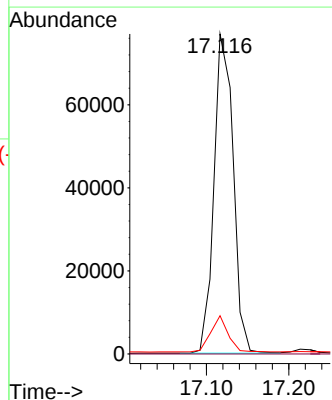
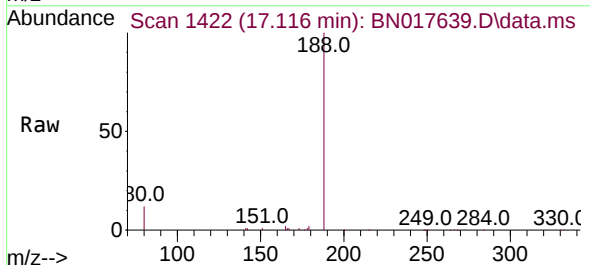
Instrument :
BNA_N
ClientSampleId :
CS-9

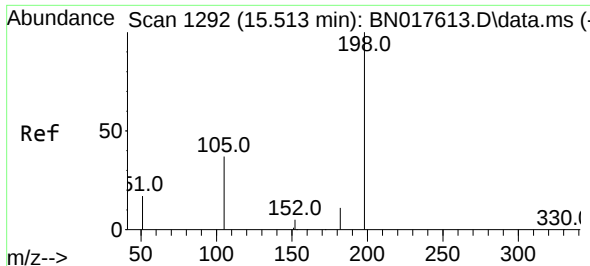
Tgt Ion:166 Resp: 105079
Ion Ratio Lower Upper
166 100
165 89.6 77.9 116.9
167 14.8 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:188 Resp: 124557
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.9 6.1 9.1#





#20

4,6-Dinitro-2-methylphenol

Concen: 0.062 ng

RT: 15.488 min Scan# 1292

Delta R.T. -0.025 min

Lab File: BN017639.D

Acq: 01 Dec 2021 07:58

Instrument :

BNA_N

ClientSampleId :

CS-9

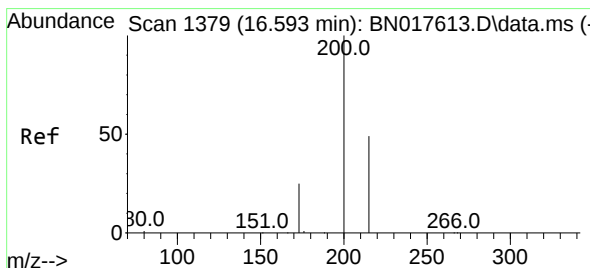
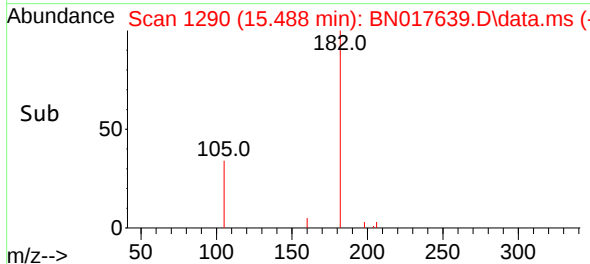
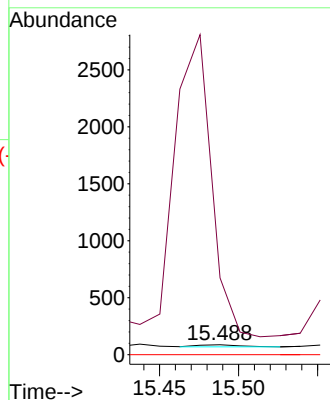
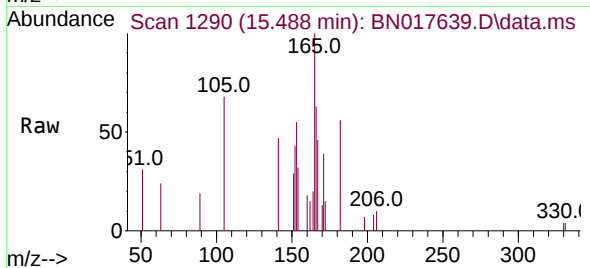
Tgt Ion:198 Resp: 33

Ion Ratio Lower Upper

198 100

182 775.9 11.4 17.2#

77 0.0 0.0 0.0



#23

Atrazine

Concen: 0.135 ng

RT: 16.593 min Scan# 1379

Delta R.T. 0.000 min

Lab File: BN017639.D

Acq: 01 Dec 2021 07:58

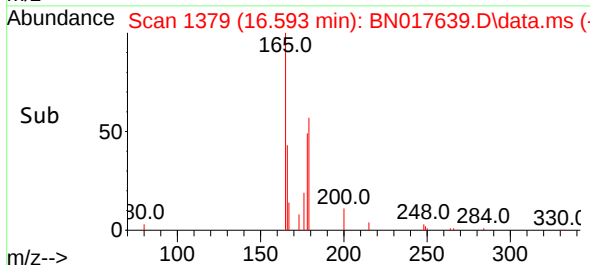
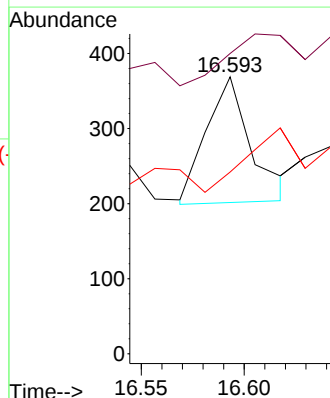
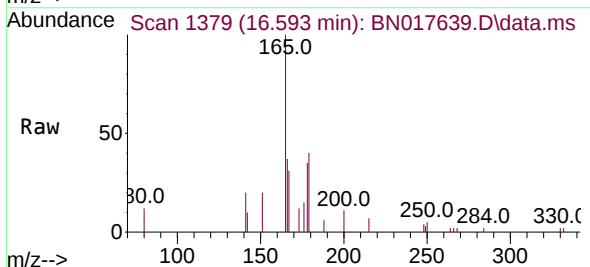
Tgt Ion:200 Resp: 253

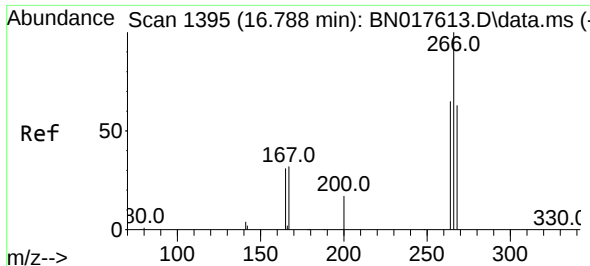
Ion Ratio Lower Upper

200 100

173 108.4 17.6 26.4#

215 65.6 40.2 60.4#

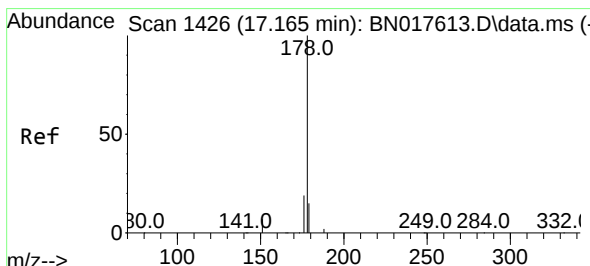
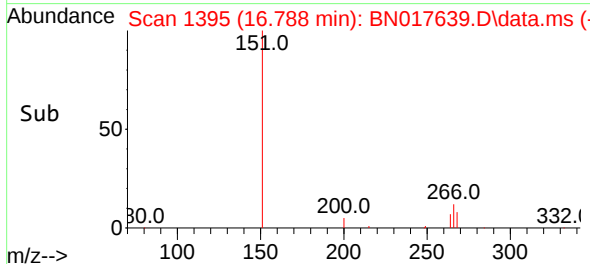
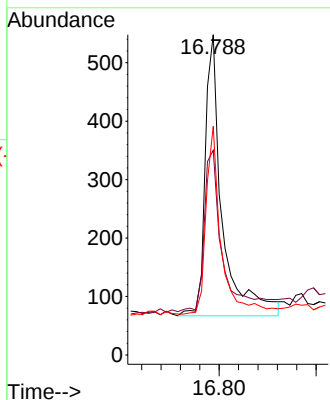
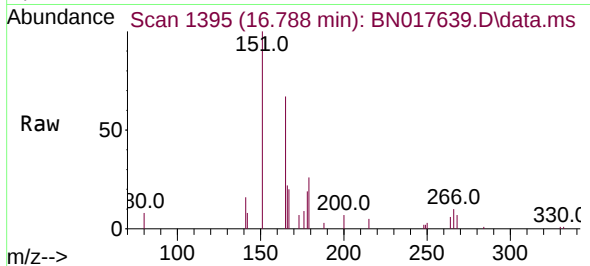




#24
 Pentachlorophenol
 Concen: 0.218 ng
 RT: 16.788 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: BN017639.D
 Acq: 01 Dec 2021 07:58

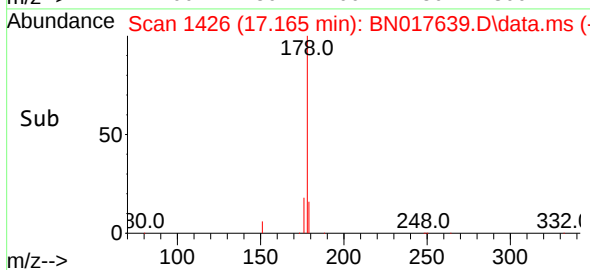
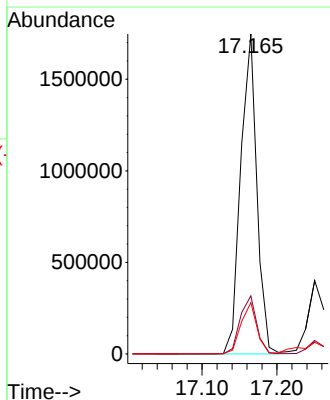
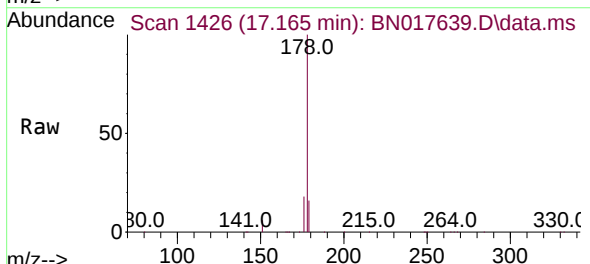
Instrument :
 BNA_N
 ClientSampleId :
 CS-9

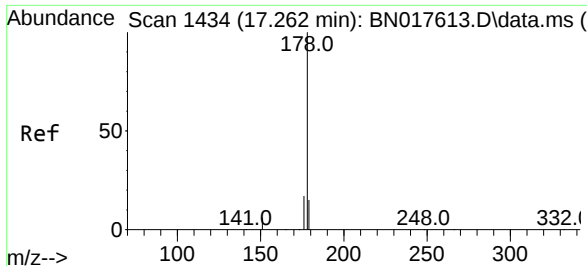
Tgt Ion:	266	Resp:	1185
Ion Ratio	Lower	Upper	
266	100		
264	61.8	49.8	74.8
268	58.6	51.3	76.9



#25
 Phenanthrene
 Concen: 7.649 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: BN017639.D
 Acq: 01 Dec 2021 07:58

Tgt Ion:	178	Resp:	2613077
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.6
179	15.9	12.3	18.5

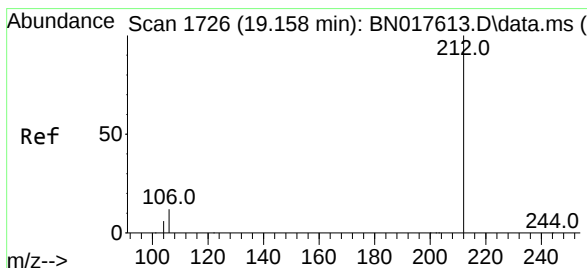
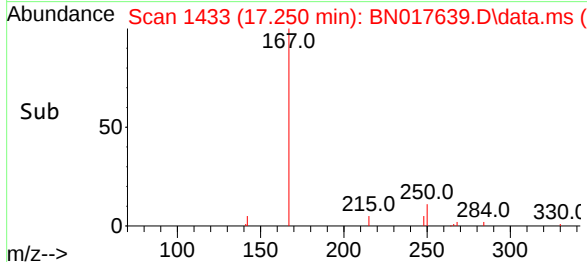
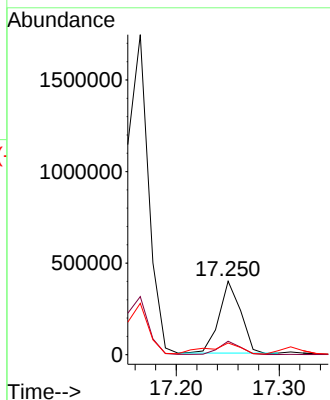
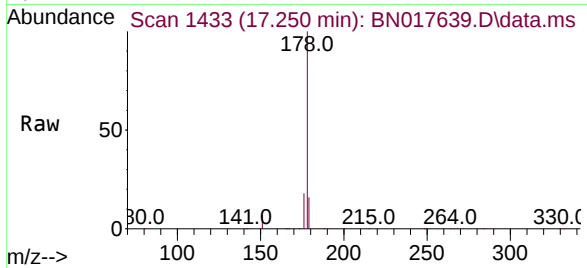




#26
 Anthracene
 Concen: 1.957 ng
 RT: 17.250 min Scan# 1433
 Delta R.T. -0.012 min
 Lab File: BN017639.D
 Acq: 01 Dec 2021 07:58

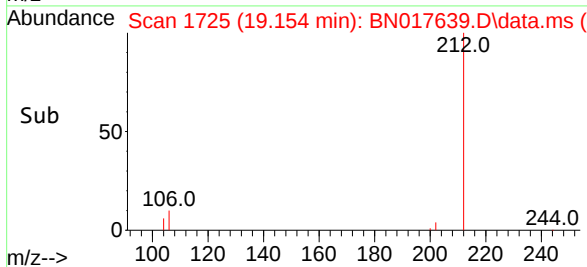
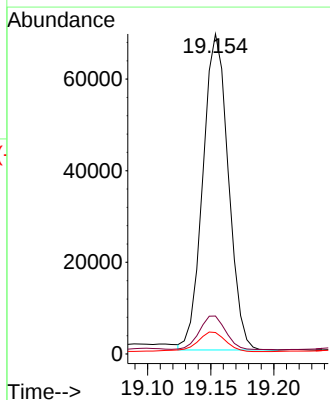
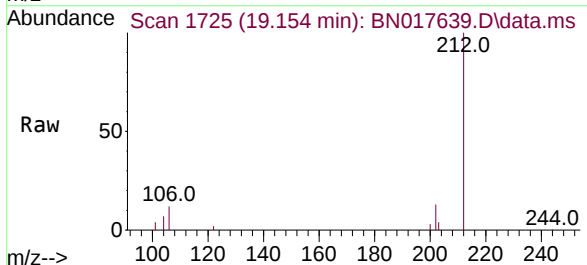
Instrument :
 BNA_N
 ClientSampleId :
 CS-9

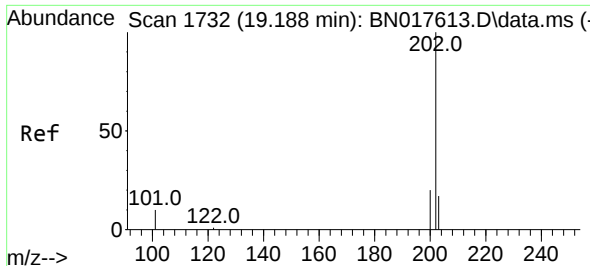
Tgt Ion:178 Resp: 574392
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 22.4 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.248 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017639.D
 Acq: 01 Dec 2021 07:58

Tgt Ion:212 Resp: 96665
 Ion Ratio Lower Upper
 212 100
 106 11.2 10.5 15.7
 104 7.1 5.8 8.6

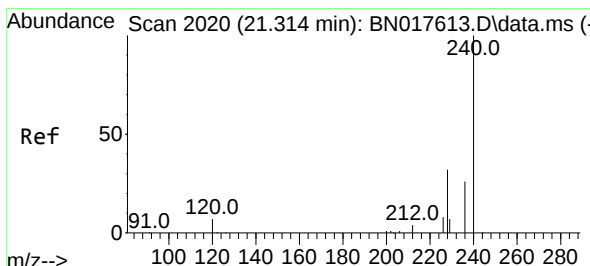
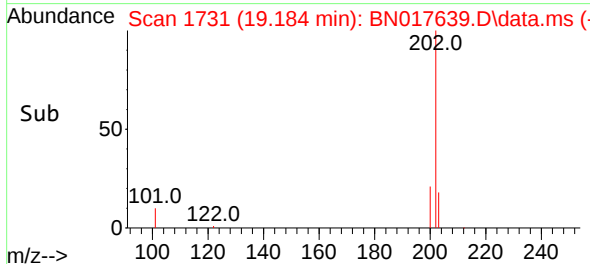
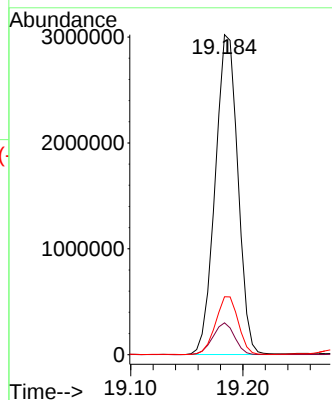
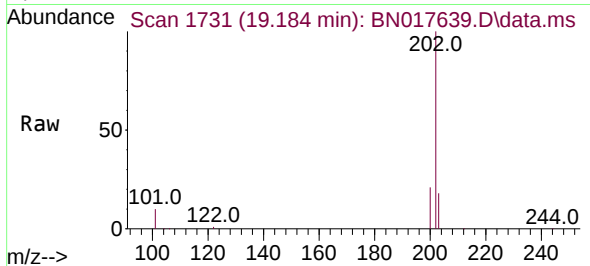




#28
Fluoranthene
Concen: 10.982 ng
RT: 19.184 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

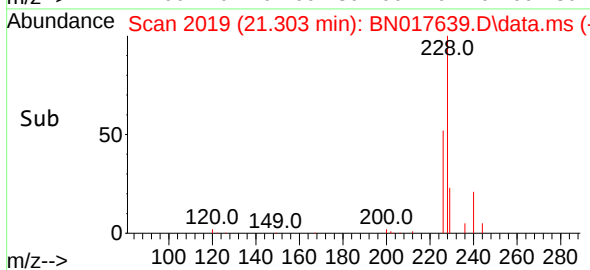
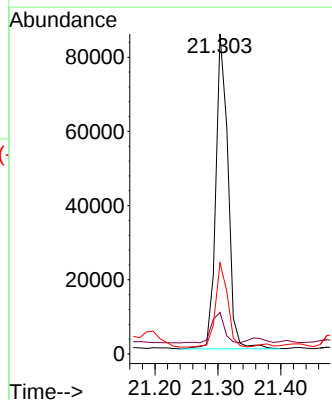
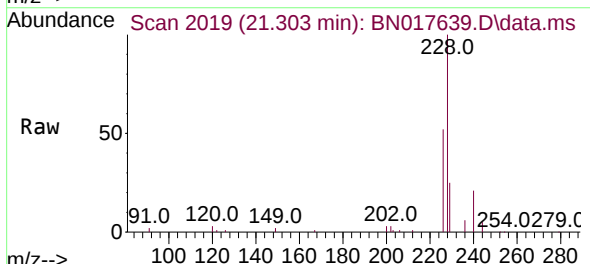
Instrument :
BNA_N
ClientSampleId :
CS-9

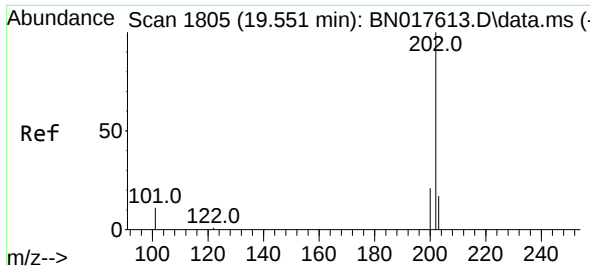
Tgt Ion:202 Resp: 4245508
Ion Ratio Lower Upper
202 100
101 9.5 8.9 13.3
203 18.0 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:240 Resp: 114933
Ion Ratio Lower Upper
240 100
120 13.0 4.2 6.2#
236 28.4 20.0 30.0

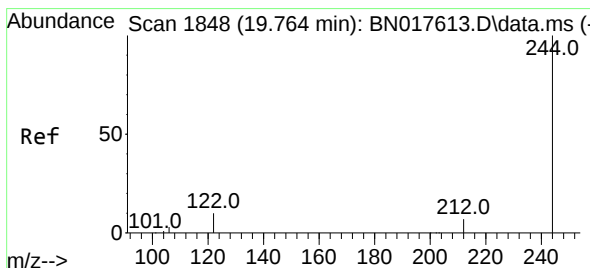
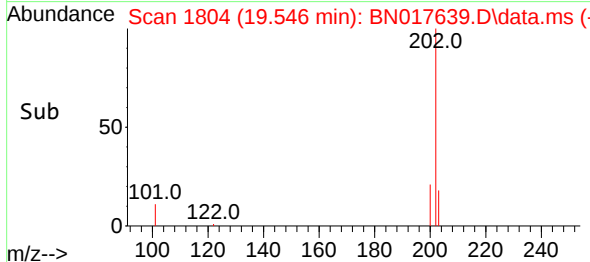
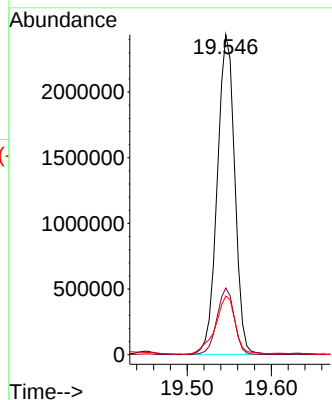
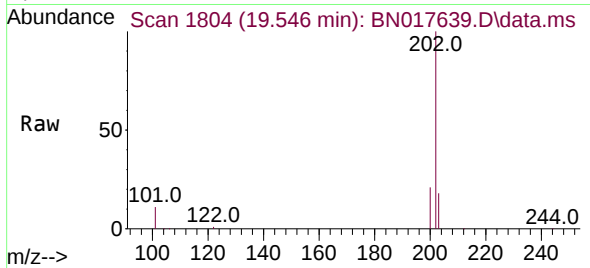




#30
Pyrene
Concen: 9.418 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

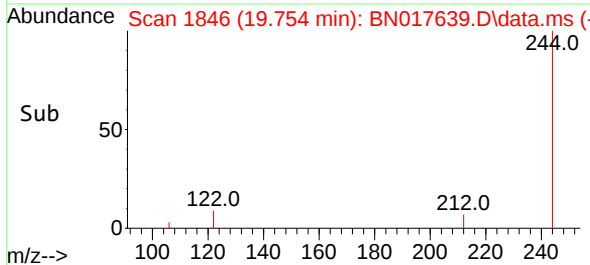
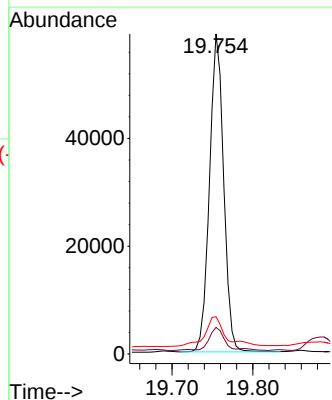
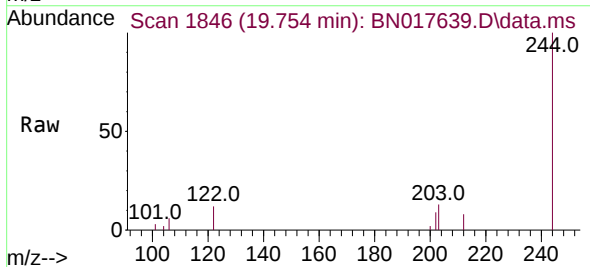
Instrument :
BNA_N
ClientSampleId :
CS-9

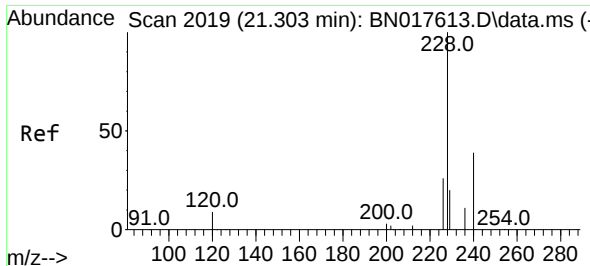
Tgt Ion:202 Resp: 3494110
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 20.8 14.0 21.0



#31
Terphenyl-d14
Concen: 0.285 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:244 Resp: 71917
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 11.6 8.6 13.0

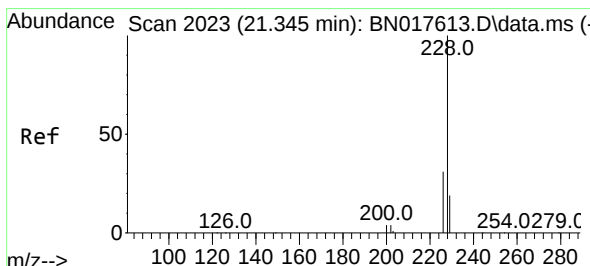
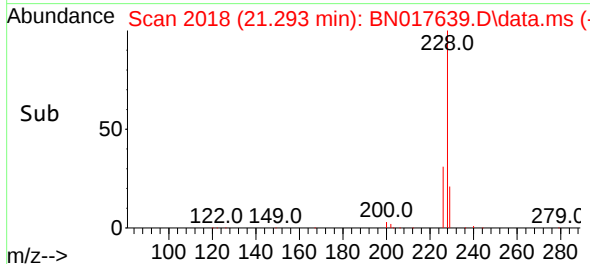
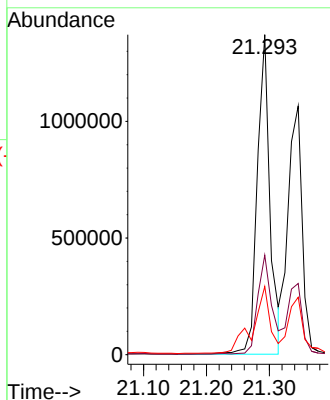
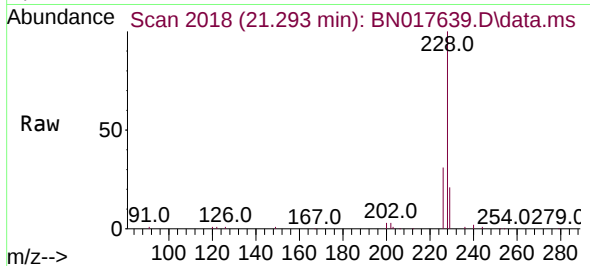




#32
Benzo(a)anthracene
Concen: 5.527 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

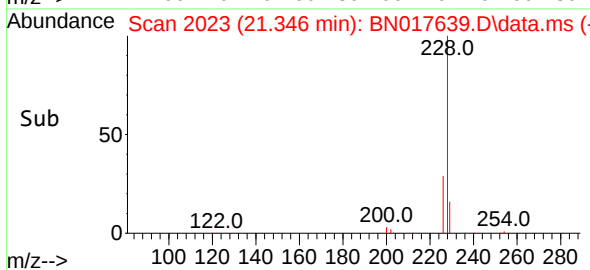
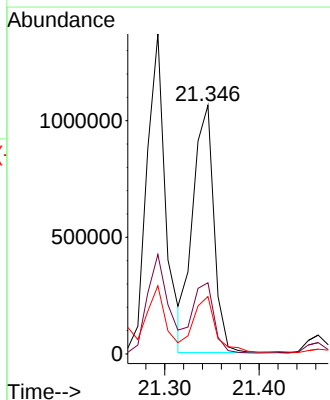
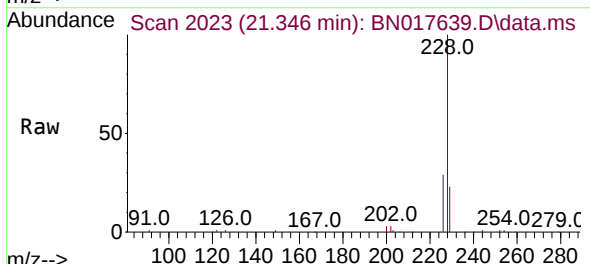
Instrument :
BNA_N
ClientSampleId :
CS-9

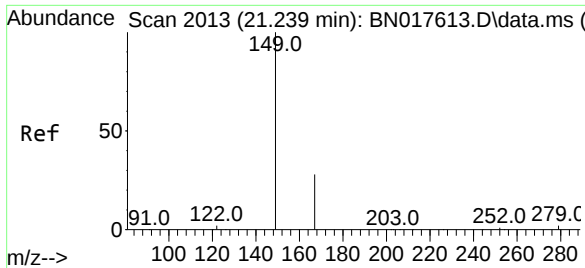
Tgt Ion:228 Resp: 1929533
Ion Ratio Lower Upper
228 100
226 31.1 21.3 31.9
229 21.3 15.7 23.5



#33
Chrysene
Concen: 4.341 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:228 Resp: 1648547
Ion Ratio Lower Upper
228 100
226 28.7 23.3 34.9
229 23.1 15.6 23.4

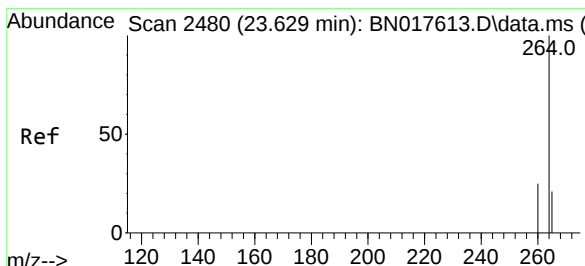
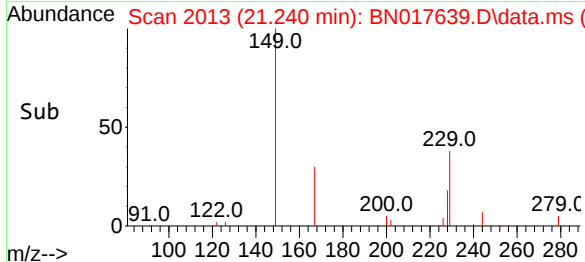
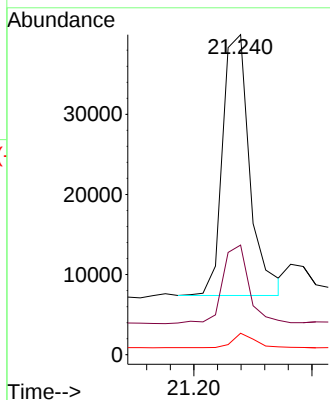
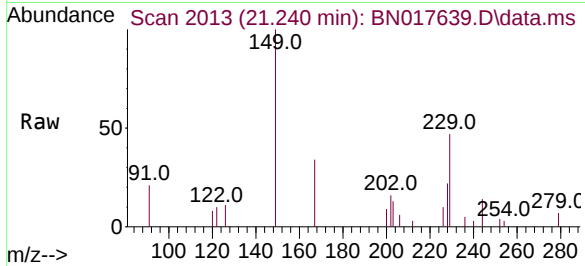




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.630 ng
RT: 21.240 min Scan# 2013
Delta R.T. 0.001 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

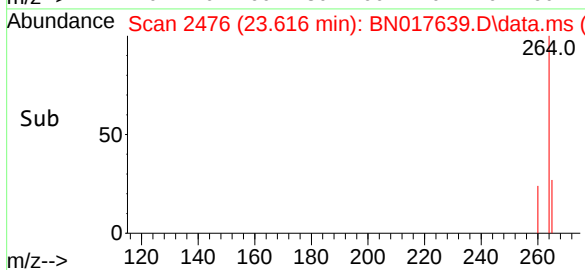
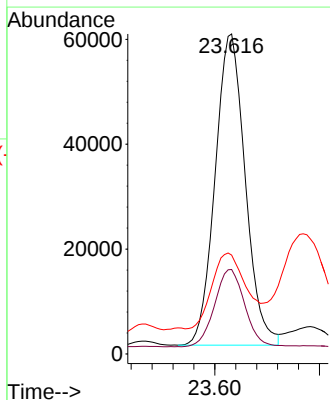
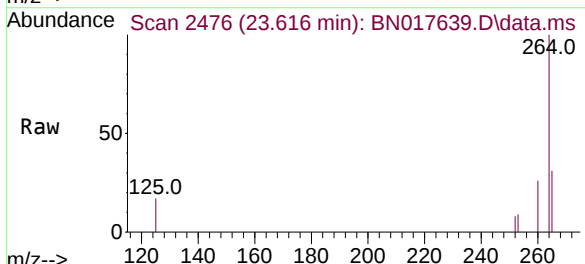
Instrument :
BNA_N
ClientSampleId :
CS-9

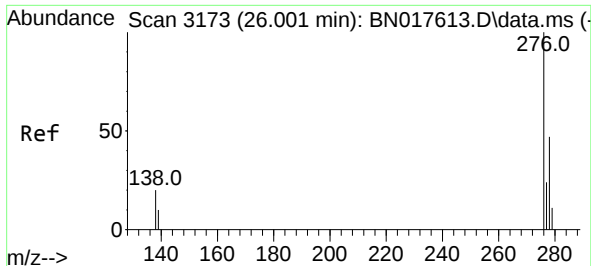
Tgt Ion:149 Resp: 52192
Ion Ratio Lower Upper
149 100
167 29.4 21.8 32.6
279 4.5 3.4 5.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.616 min Scan# 2476
Delta R.T. -0.013 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:264 Resp: 118709
Ion Ratio Lower Upper
264 100
260 26.4 19.4 29.2
265 30.9 18.6 28.0#

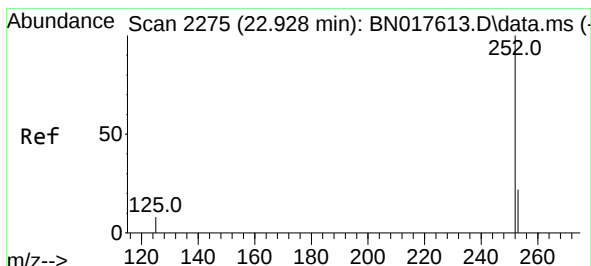
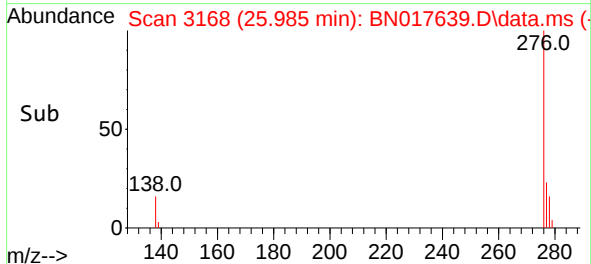
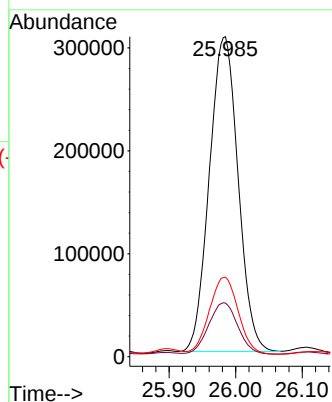
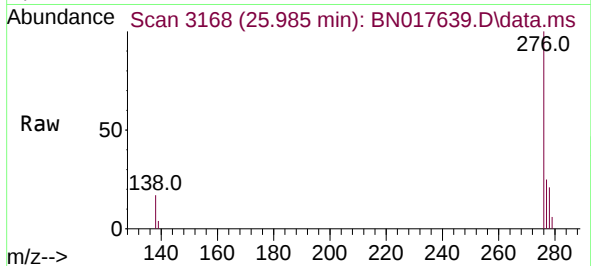




#36
Indeno(1,2,3-cd)pyrene
Concen: 2.382 ng
RT: 25.985 min Scan# 3173
Delta R.T. -0.017 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

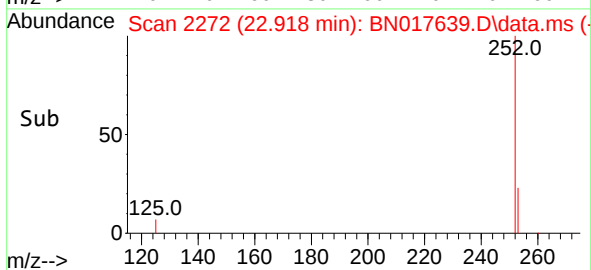
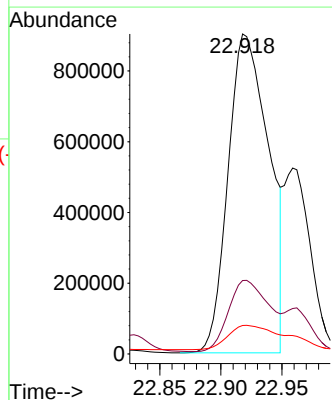
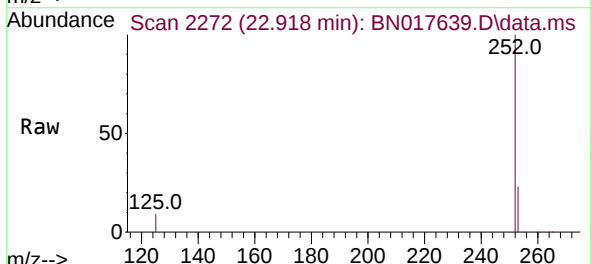
Instrument :
BNA_N
ClientSampleId :
CS-9

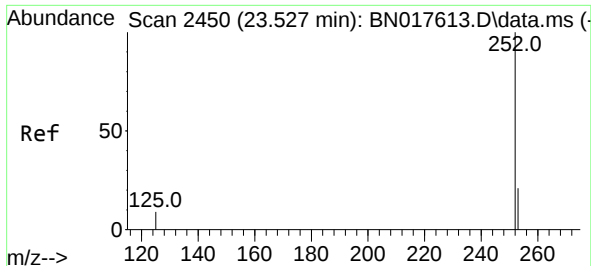
Tgt Ion:276 Resp: 918117
Ion Ratio Lower Upper
276 100
138 16.5 19.7 29.5#
277 24.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 5.311 ng
RT: 22.918 min Scan# 2272
Delta R.T. -0.010 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Tgt Ion:252 Resp: 2090546
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 8.9 7.8 11.8





#39

Benzo(a)pyrene

Concen: 3.960 ng

RT: 23.513 min Scan# 24

Delta R.T. -0.013 min

Lab File: BN017639.D

Acq: 01 Dec 2021 07:58

Instrument :

BNA_N

ClientSampleId :

CS-9

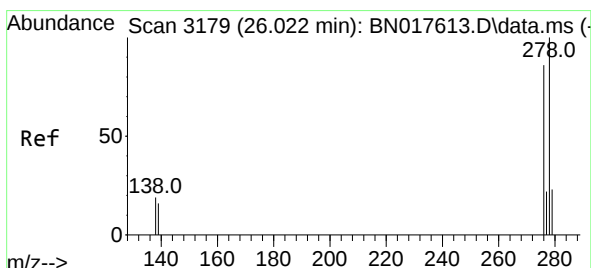
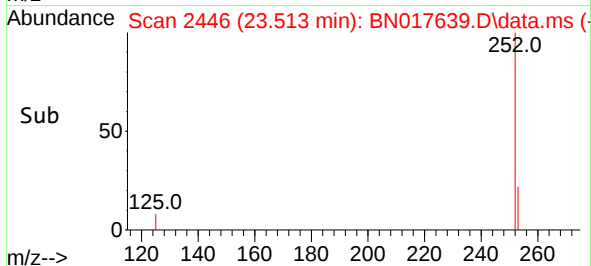
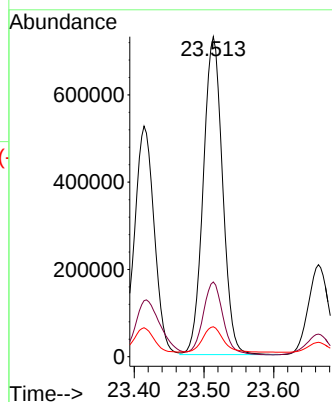
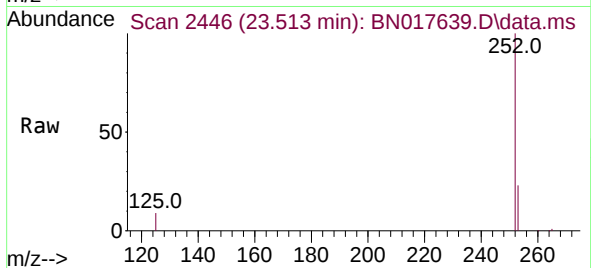
Tgt Ion:252 Resp: 1395377

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 9.4 9.2 13.8



#40

Dibenzo(a,h)anthracene

Concen: 0.677 ng

RT: 25.988 min Scan# 3169

Delta R.T. -0.034 min

Lab File: BN017639.D

Acq: 01 Dec 2021 07:58

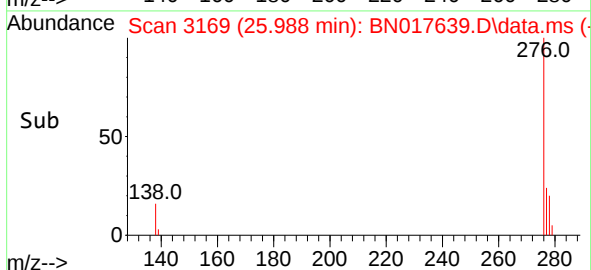
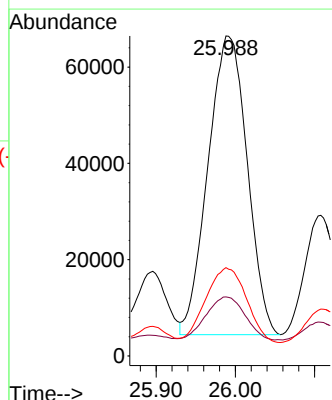
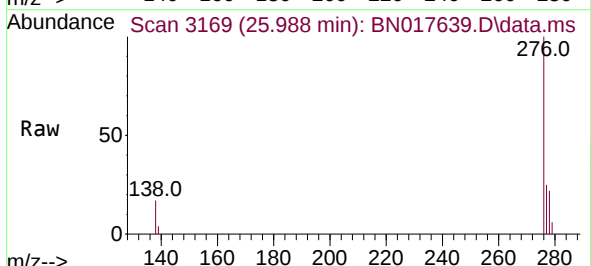
Tgt Ion:278 Resp: 213164

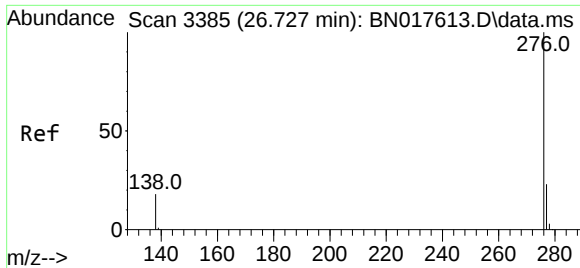
Ion Ratio Lower Upper

278 100

139 18.5 13.0 19.6

279 27.6 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 2.579 ng
RT: 26.707 min Scan# 31
Delta R.T. -0.020 min
Lab File: BN017639.D
Acq: 01 Dec 2021 07:58

Instrument :
BNA_N
ClientSampleId :
CS-9

Tgt Ion:276 Resp: 835892
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 17.3 17.1 25.7

