

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017644.D
 Acq On : 01 Dec 2021 10:58
 Operator : CG/JU
 Sample : M4862-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-5A

Quant Time: Dec 01 11:36:49 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)

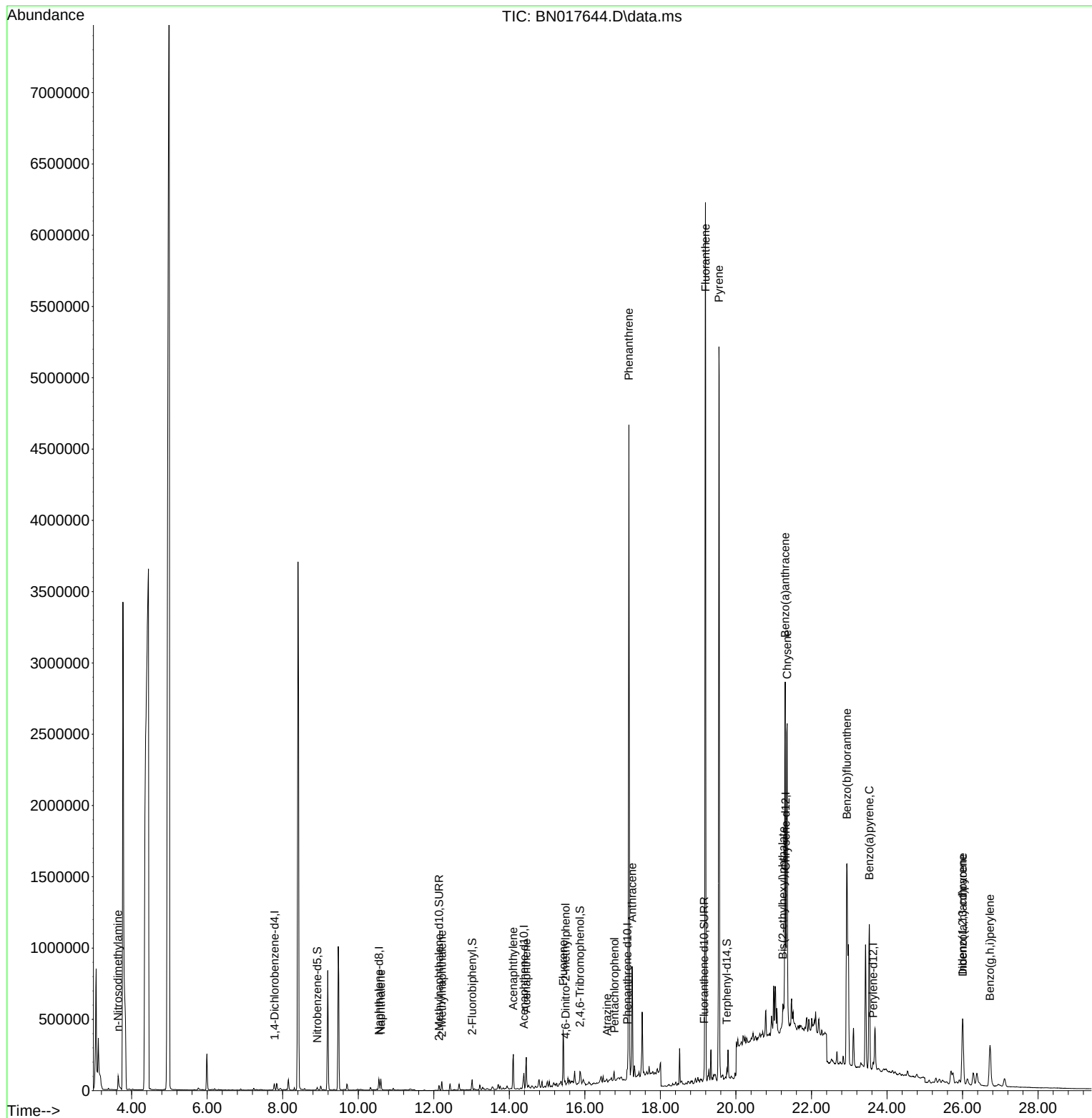
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	22208	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	95405	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	58133	0.400	ng	0.00
19) Phenanthrene-d10	17.128	188	112307	0.400	ng	# 0.00
29) Chrysene-d12	21.314	240	82793	0.400	ng	# 0.00
35) Perylene-d12	23.633	264	77583	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.403	112	155	0.003	ng	0.04
5) Phenol-d6	6.961	99	389	0.007	ng	0.02
8) Nitrobenzene-d5	8.913	82	14461	0.357	ng	0.00
11) 2-Methylnaphthalene-d10	12.137	152	47427	0.285	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	126	0.128	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	61232	0.271	ng	0.00
27) Fluoranthene-d10	19.159	212	102025	0.291	ng	0.00
31) Terphenyl-d14	19.759	244	68824	0.379	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.642	42	34244	1.643	ng	# 1
9) Naphthalene	10.598	128	96461	0.401	ng	100
12) 2-Methylnaphthalene	12.213	142	44393	0.280	ng	98
16) Acenaphthylene	14.105	152	281001	1.239	ng	98
17) Acenaphthene	14.448	154	111010	0.708	ng	98
18) Fluorene	15.425	166	285046	1.496	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.488	198	683	0.191	ng	# 1
23) Atrazine	16.593	200	1753	0.164	ng	# 1
24) Pentachlorophenol	16.788	266	360	0.201	ng	# 51
25) Phenanthrene	17.165	178	4785125	15.535	ng	99
26) Anthracene	17.250	178	835018	3.155	ng	# 91
28) Fluoranthene	19.193	202	6055510	17.372	ng	97
30) Pyrene	19.551	202	5077775	18.999	ng	# 95
32) Benzo(a)anthracene	21.303	228	2403135	9.556	ng	95
33) Chrysene	21.356	228	2203850	8.056	ng	97
34) Bis(2-ethylhexyl)phtha...	21.239	149	192665	3.230	ng	# 87
36) Indeno(1,2,3-cd)pyrene	26.002	276	789155	3.132	ng	# 91
37) Benzo(b)fluoranthene	22.935	252	2655582	10.322	ng	# 90
39) Benzo(a)pyrene	23.530	252	1544650	6.707	ng	# 90
40) Dibenzo(a,h)anthracene	26.008	278	203438	0.988	ng	# 71
41) Benzo(g,h,i)perylene	26.727	276	667987	3.154	ng	96

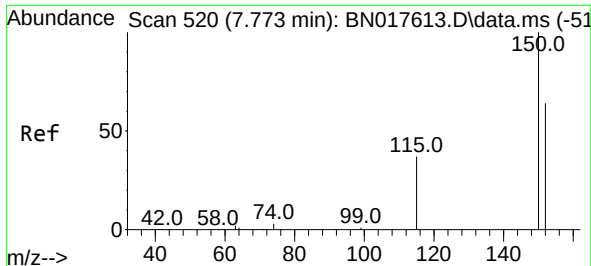
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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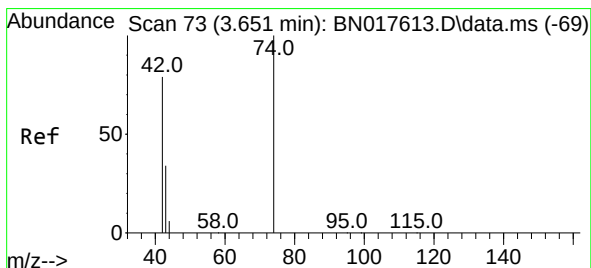
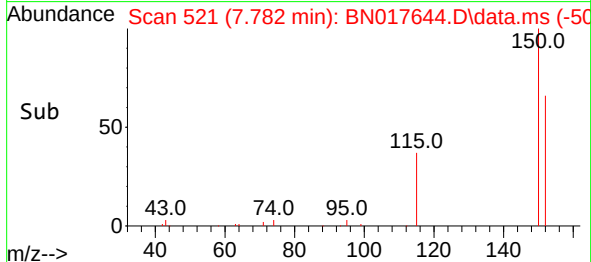
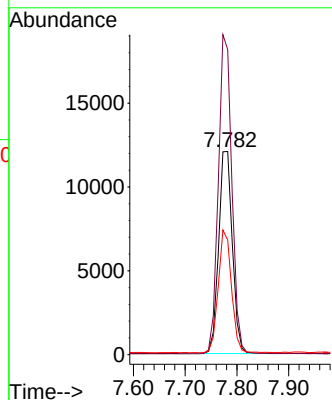
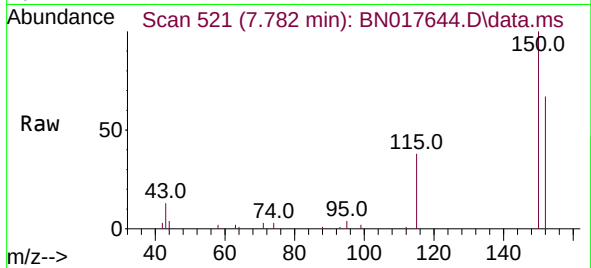




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 51
Delta R.T. 0.009 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

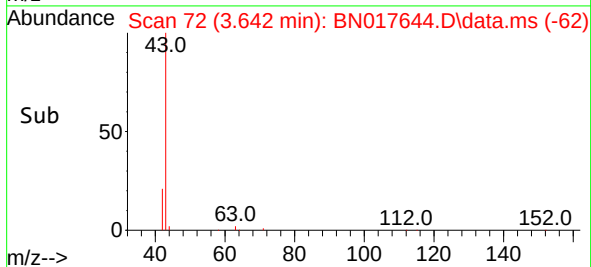
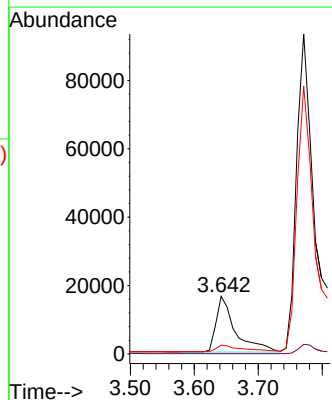
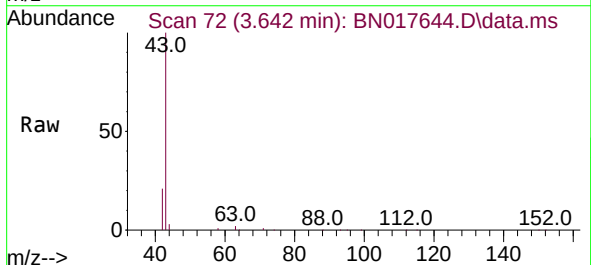
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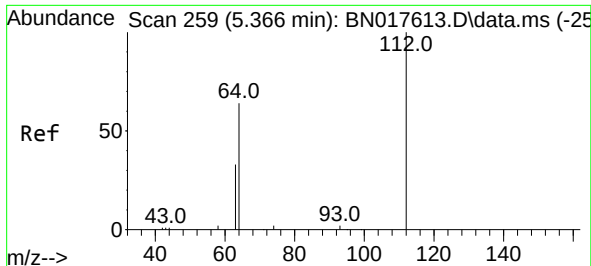
Tgt Ion:152 Resp: 22208
Ion Ratio Lower Upper
152 100
150 150.1 123.0 184.4
115 56.4 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 1.643 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion: 42 Resp: 34244
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 15.5 5.5 8.3#

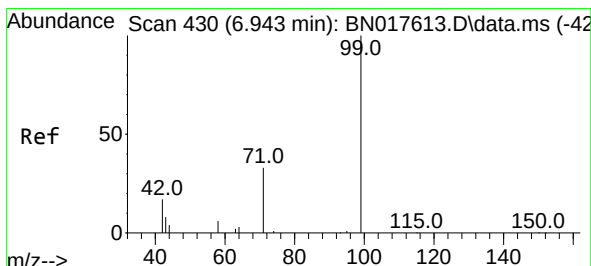
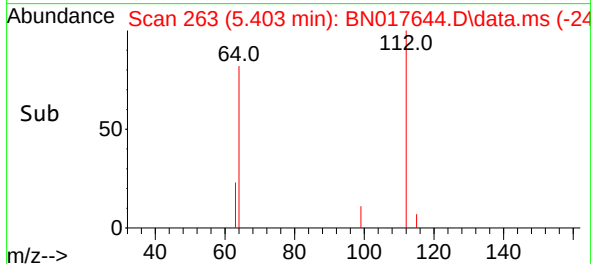
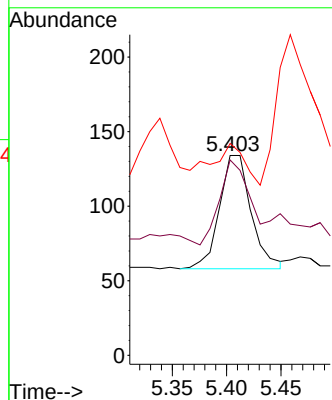
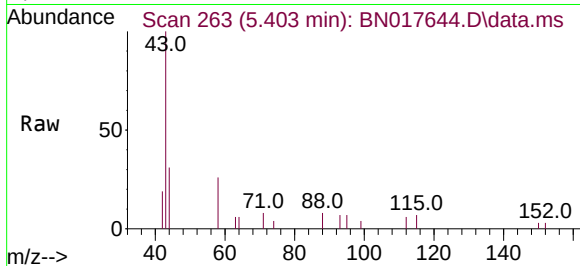




#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.403 min Scan# 21
Delta R.T. 0.037 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

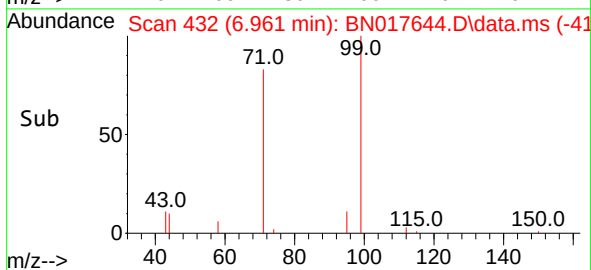
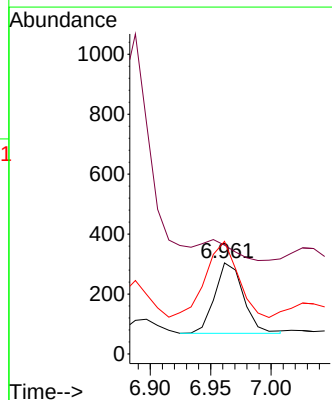
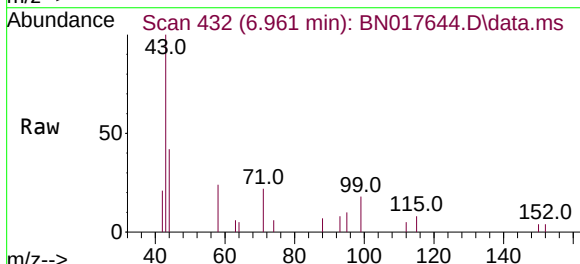
Instrument :
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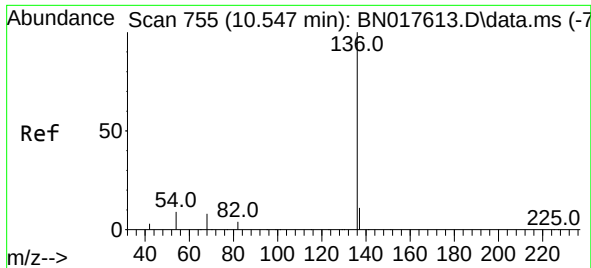
Tgt Ion:112 Resp: 155
Ion Ratio Lower Upper
112 100
64 75.5 47.6 71.4#
63 37.4 24.6 37.0#



#5
Phenol-d6
Concen: 0.007 ng
RT: 6.961 min Scan# 432
Delta R.T. 0.019 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion: 99 Resp: 389
Ion Ratio Lower Upper
99 100
42 30.3 17.0 25.6#
71 122.1 24.8 37.2#

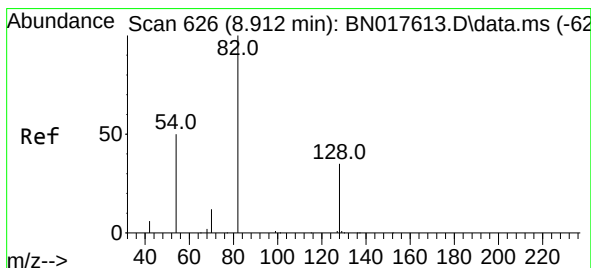
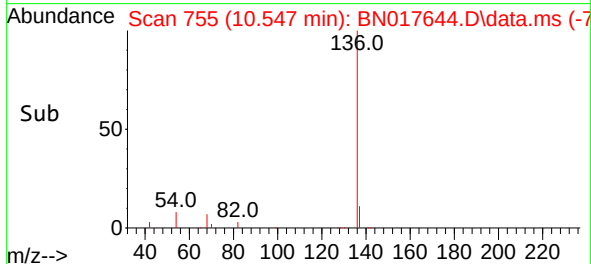
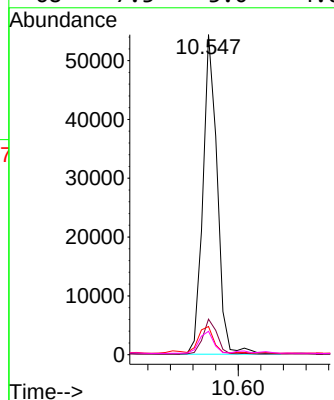
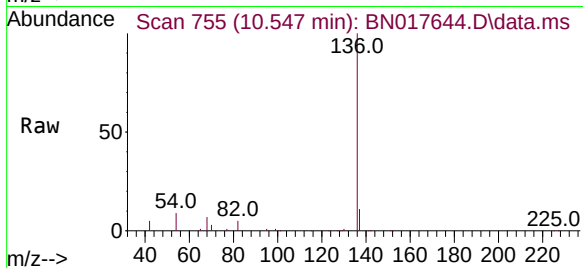




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

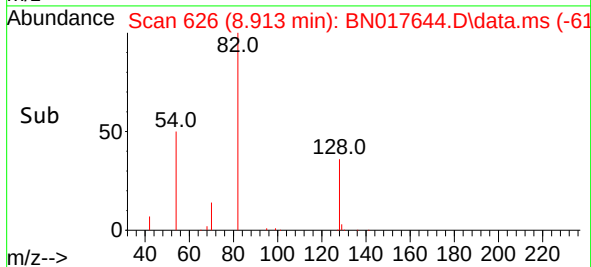
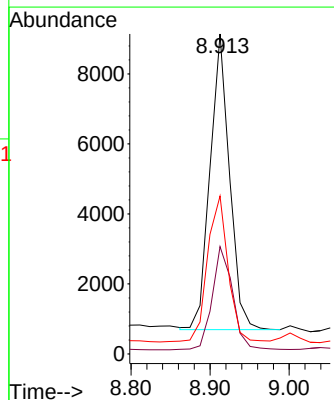
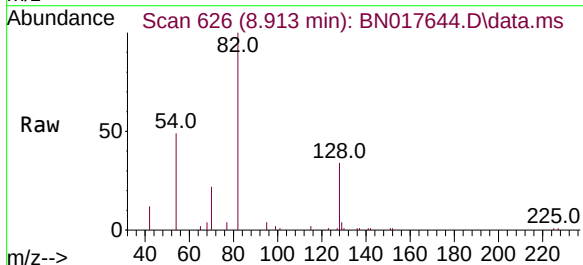
Instrument :
BNA_N
ClientSampleId :
CS-5A

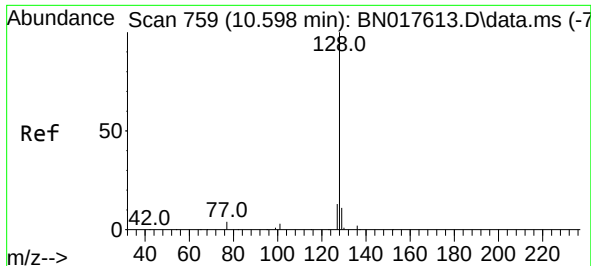
Tgt Ion:	136	Resp:	95405
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	8.8	4.0	6.0#
68	7.3	3.0	4.6#



#8
Nitrobenzene-d5
Concen: 0.357 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:	82	Resp:	14461
Ion Ratio	Lower	Upper	
82	100		
128	33.6	27.7	41.5
54	49.4	49.2	73.8

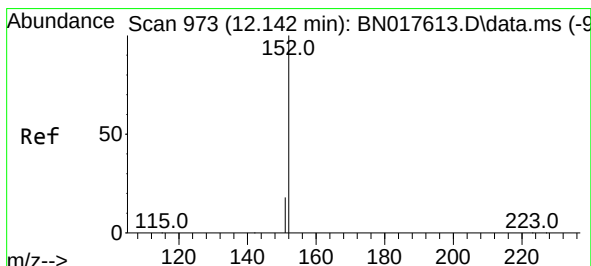
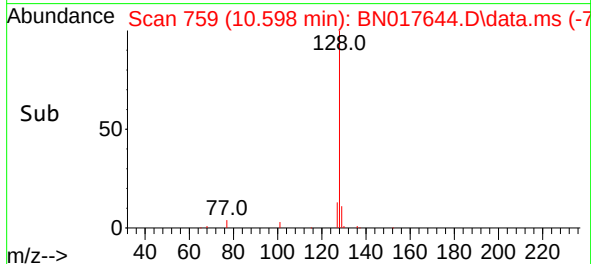
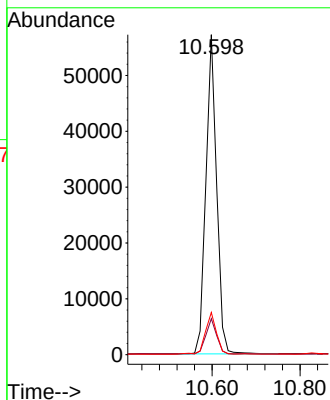
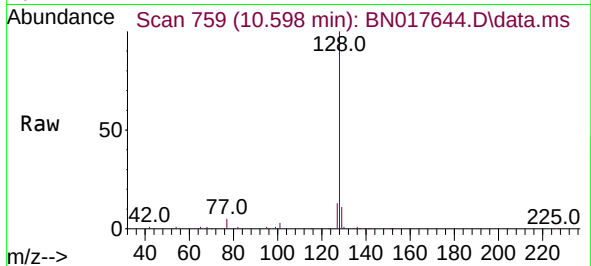




#9
Naphthalene
Concen: 0.401 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

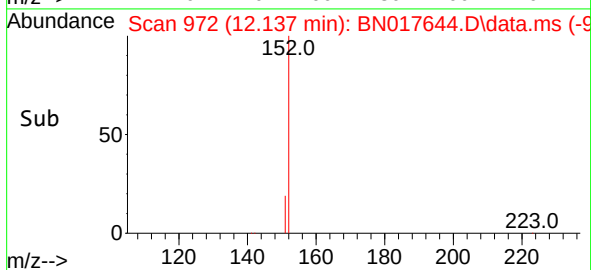
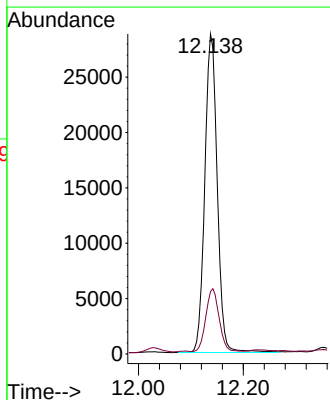
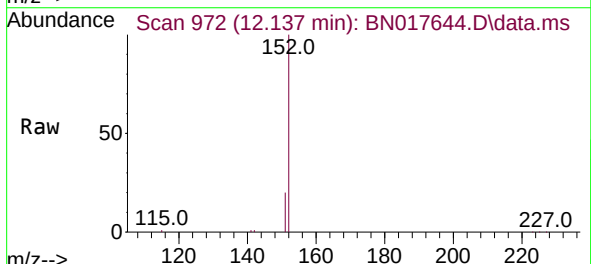
Instrument :
BNA_N
ClientSampleId :
CS-5A

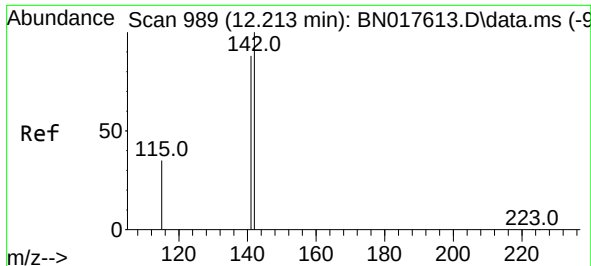
Tgt Ion:128 Resp: 96461
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.2 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.285 ng
RT: 12.137 min Scan# 972
Delta R.T. -0.005 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:152 Resp: 47427
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.280 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017644.D

Acq: 01 Dec 2021 10:58

Instrument :

BNA_N

ClientSampleId :

CS-5A

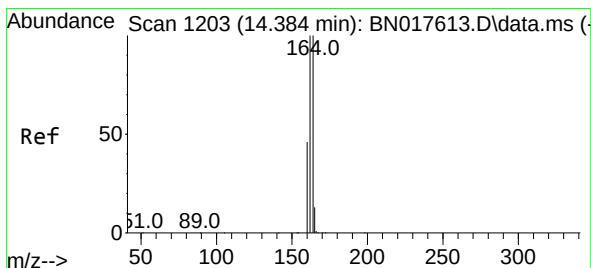
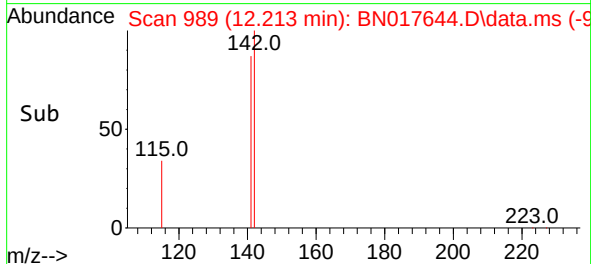
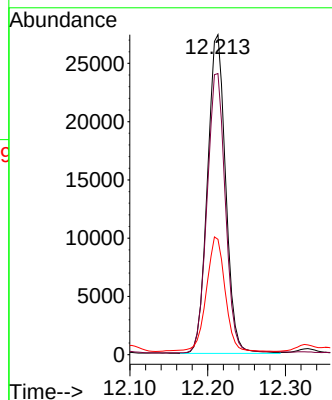
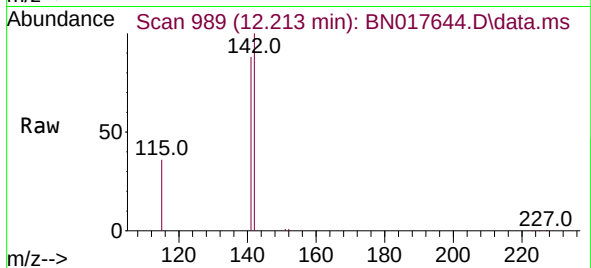
Tgt Ion:142 Resp: 44393

Ion Ratio Lower Upper

142 100

141 87.9 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: BN017644.D

Acq: 01 Dec 2021 10:58

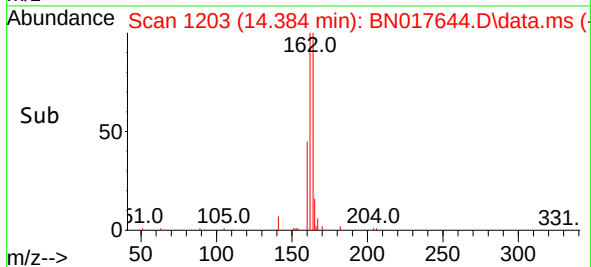
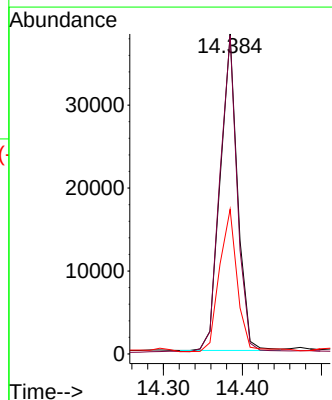
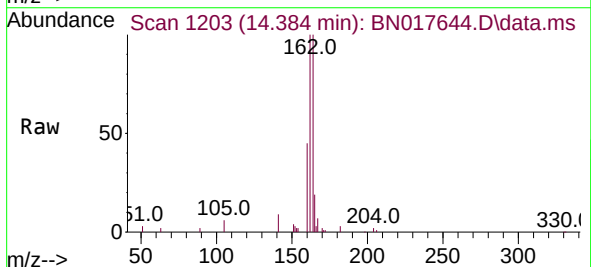
Tgt Ion:164 Resp: 58133

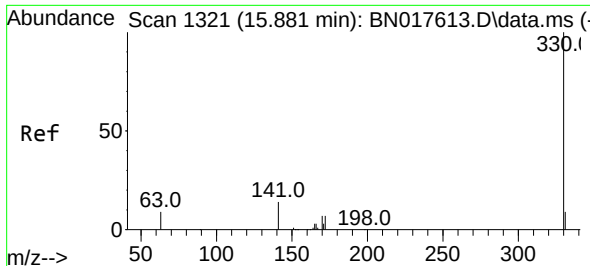
Ion Ratio Lower Upper

164 100

162 99.5 81.4 122.2

160 45.2 36.8 55.2

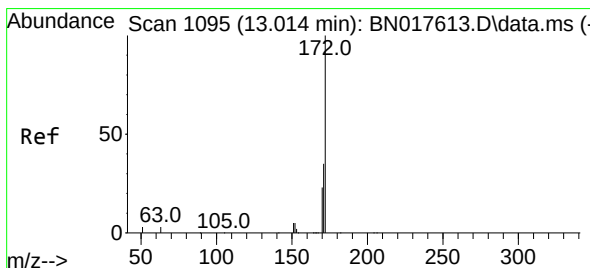
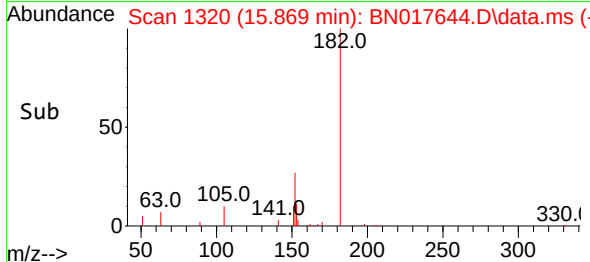
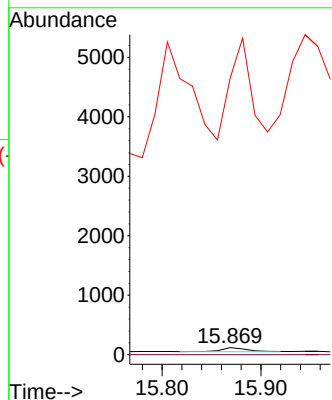
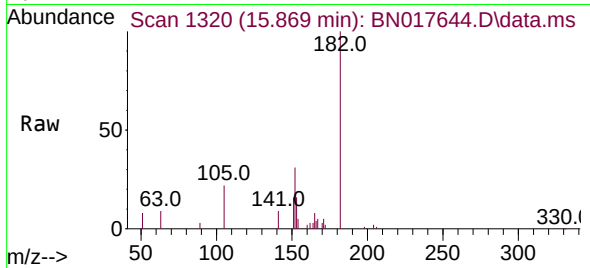




#14
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

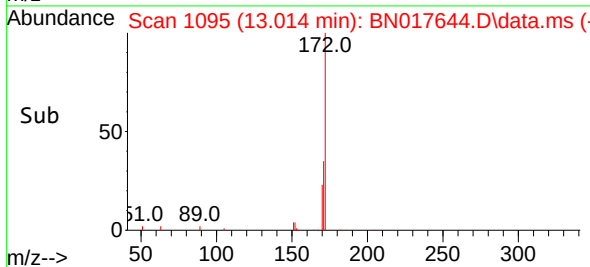
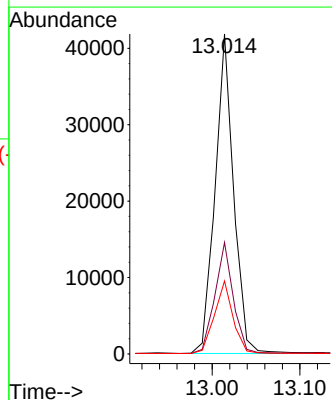
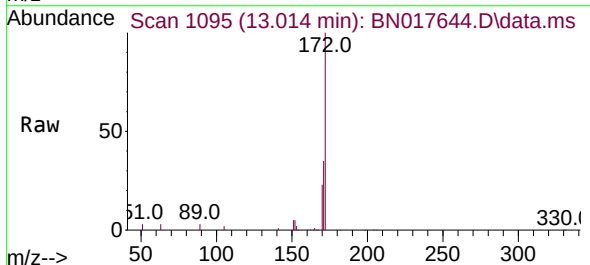
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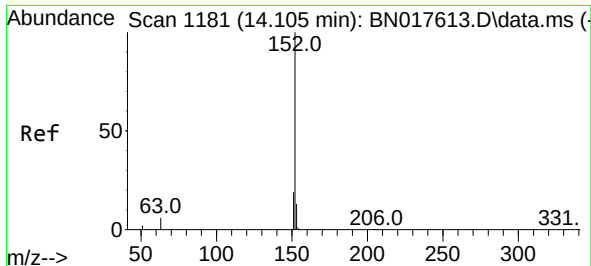
Tgt Ion:330 Resp: 126
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 1988.1 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:172 Resp: 61232
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 22.8 19.4 29.2

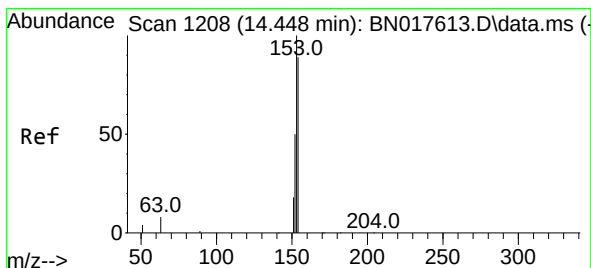
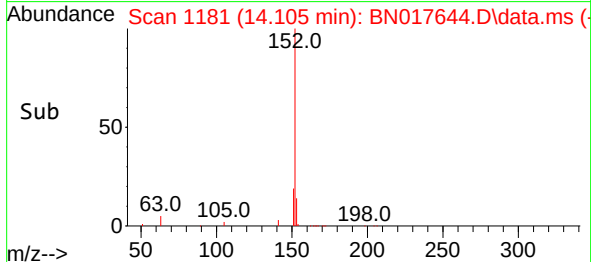
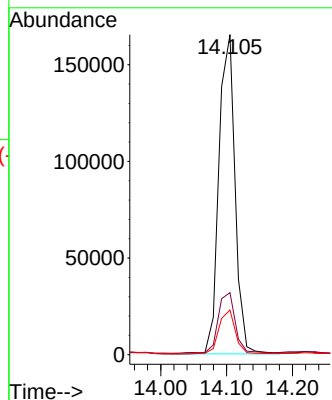
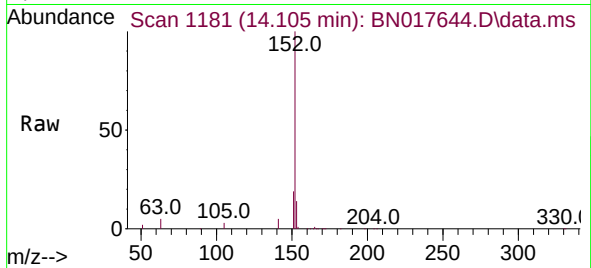




#16
Acenaphthylene
Concen: 1.239 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

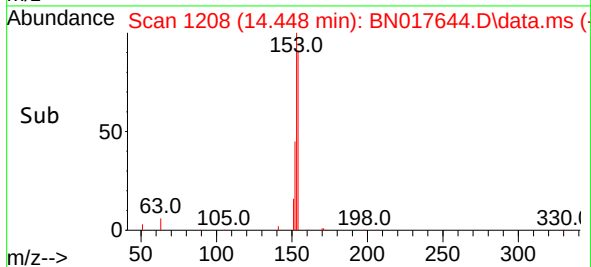
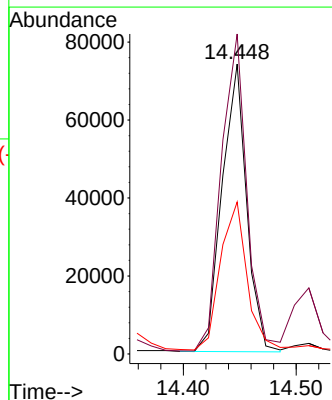
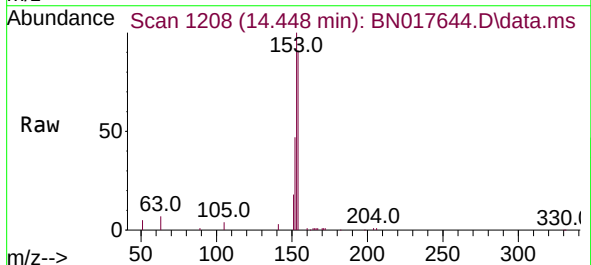
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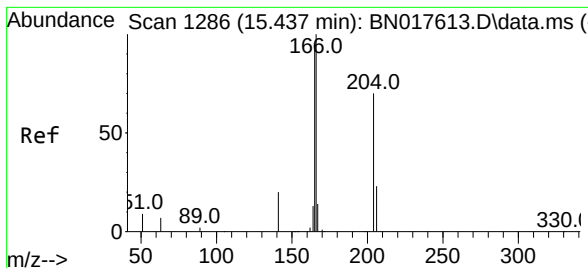
Tgt Ion:152 Resp: 281001
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 14.1 10.4 15.6



#17
Acenaphthene
Concen: 0.708 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:154 Resp: 111010
Ion Ratio Lower Upper
154 100
153 115.5 91.2 136.8
152 58.5 44.3 66.5





#18

Fluorene

Concen: 1.496 ng

RT: 15.425 min Scan# 1285

Delta R.T. -0.012 min

Lab File: BN017644.D

Acq: 01 Dec 2021 10:58

Instrument :

BNA_N

ClientSampleId :

CS-5A

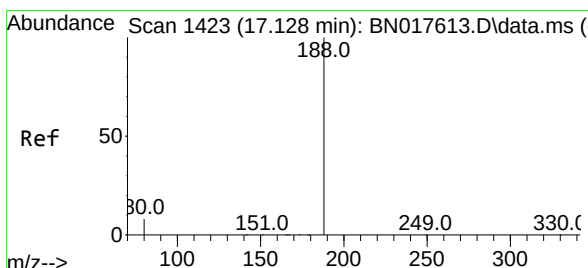
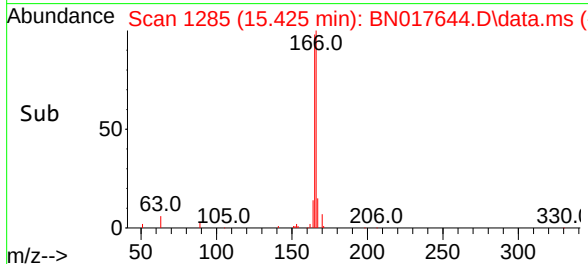
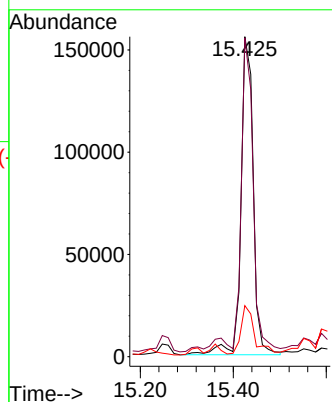
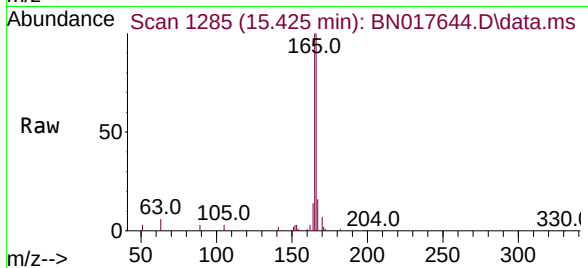
Tgt Ion:166 Resp: 285046

Ion Ratio Lower Upper

166 100

165 91.8 77.9 116.9

167 16.7 10.9 16.3#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.128 min Scan# 1423

Delta R.T. 0.000 min

Lab File: BN017644.D

Acq: 01 Dec 2021 10:58

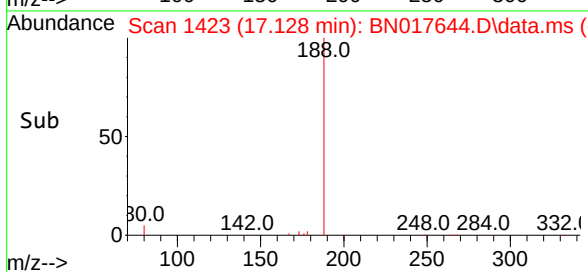
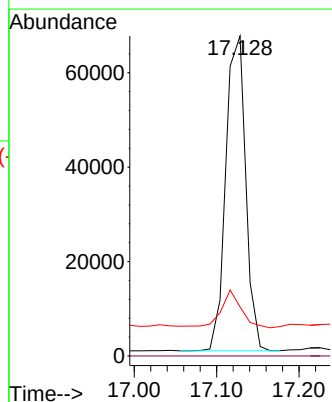
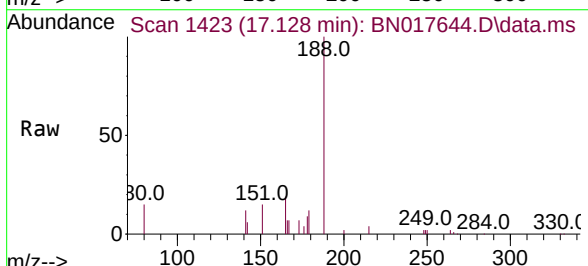
Tgt Ion:188 Resp: 112307

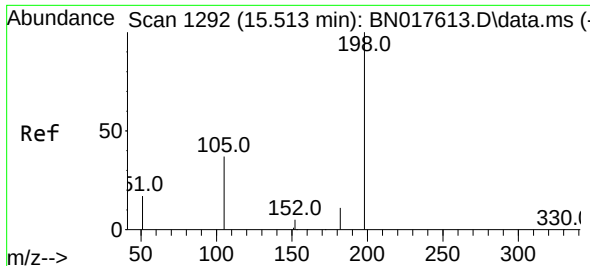
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.4 6.1 9.1#

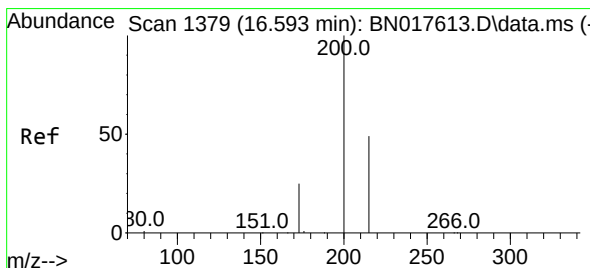
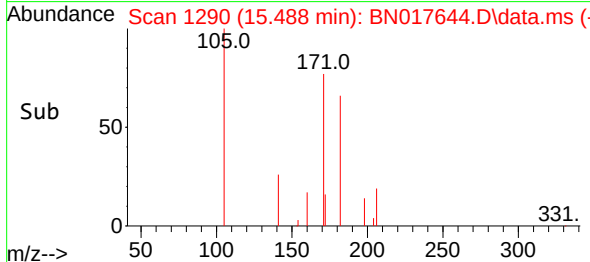
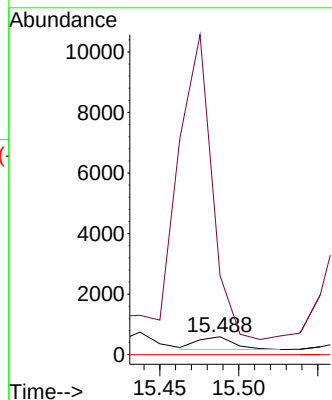
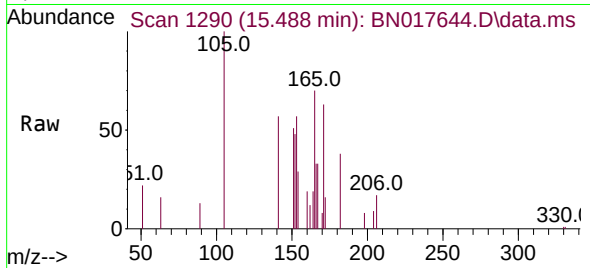




#20
4,6-Dinitro-2-methylphenol
Concen: 0.191 ng
RT: 15.488 min Scan# 1290
Delta R.T. -0.025 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

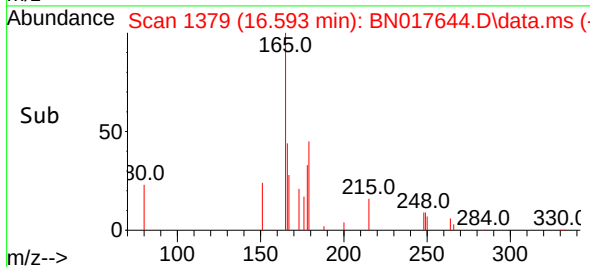
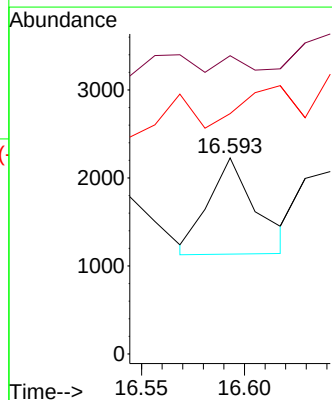
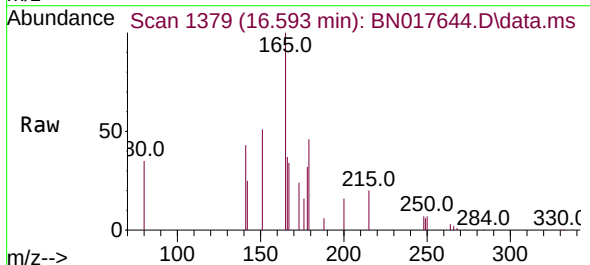
Instrument :
BNA_N
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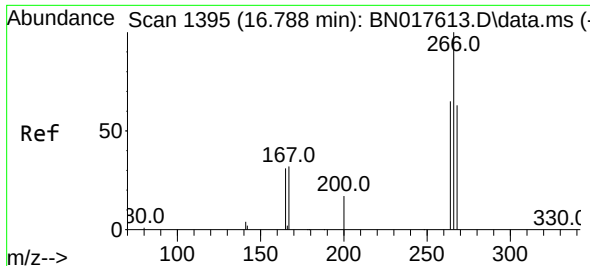
Tgt Ion:198 Resp: 683
Ion Ratio Lower Upper
198 100
182 441.8 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.164 ng
RT: 16.593 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:200 Resp: 1753
Ion Ratio Lower Upper
200 100
173 152.1 17.6 26.4#
215 122.6 40.2 60.4#

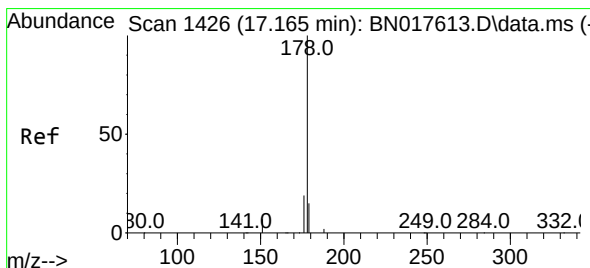
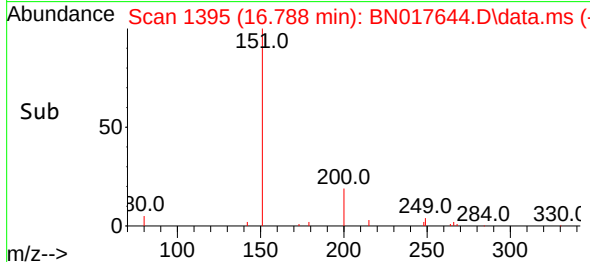
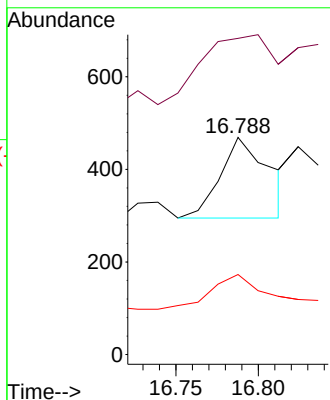
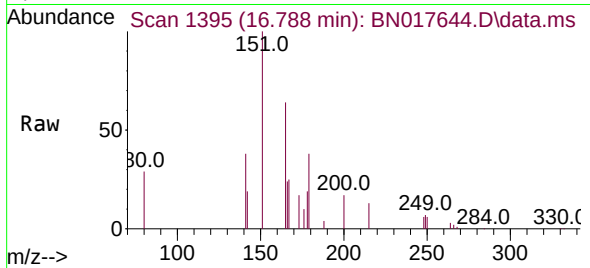




#24
 Pentachlorophenol
 Concen: 0.201 ng
 RT: 16.788 min Scan# 1395
 Delta R.T. -0.000 min
 Lab File: BN017644.D
 Acq: 01 Dec 2021 10:58

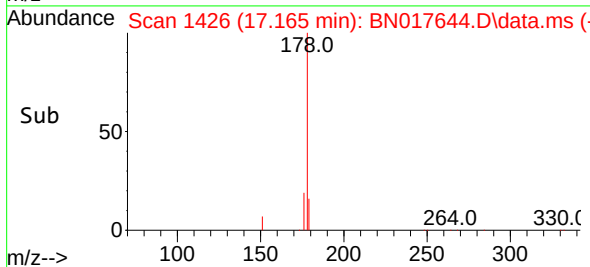
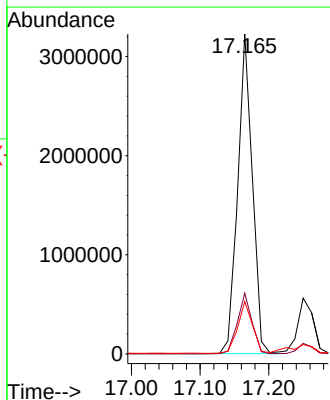
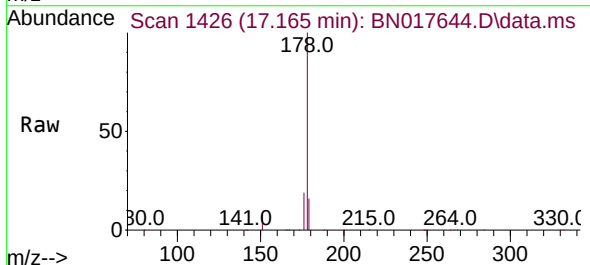
Instrument :
 BNA_N
 ClientSampleId :
 CS-5A

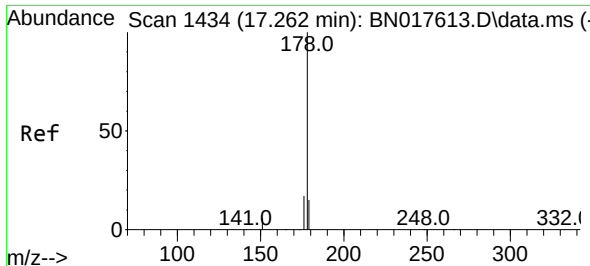
Tgt Ion:266 Resp: 360
 Ion Ratio Lower Upper
 266 100
 264 127.2 49.8 74.8#
 268 52.8 51.3 76.9



#25
 Phenanthrene
 Concen: 15.535 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. -0.000 min
 Lab File: BN017644.D
 Acq: 01 Dec 2021 10:58

Tgt Ion:178 Resp: 4785125
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 16.2 12.3 18.5

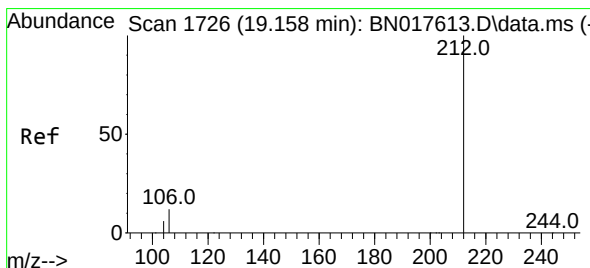
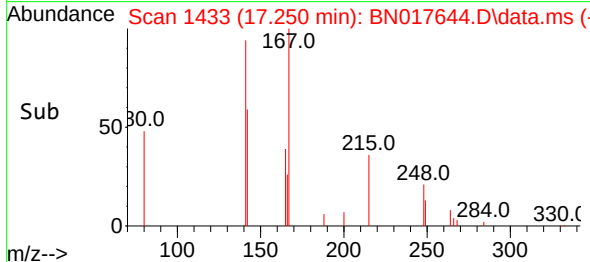
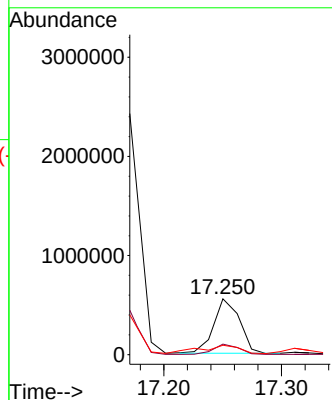
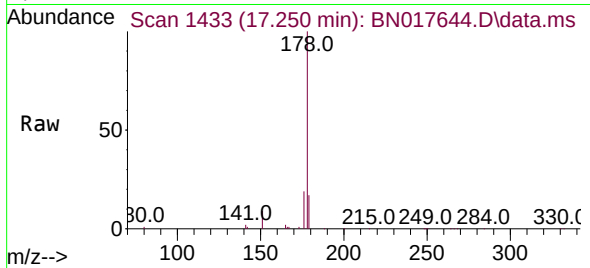




#26
 Anthracene
 Concen: 3.155 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017644.D
 Acq: 01 Dec 2021 10:58

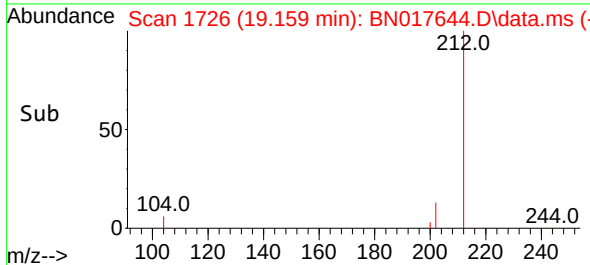
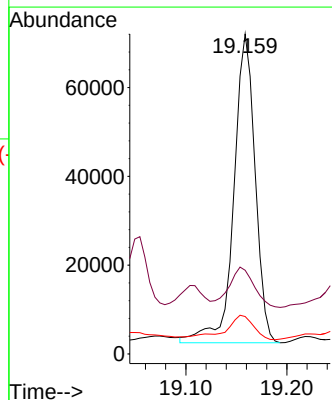
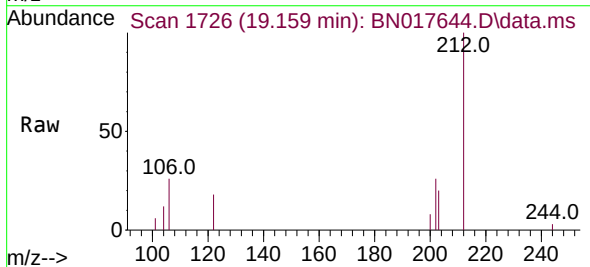
Instrument :
 BNA_N
 ClientSampleId :
 CS-5A

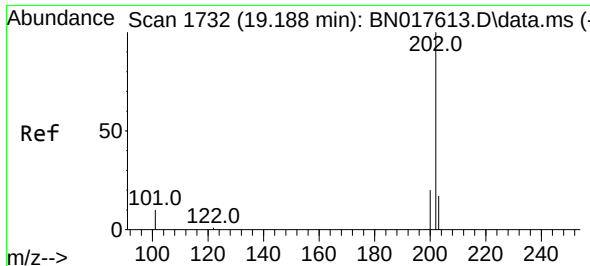
Tgt Ion:178 Resp: 835018
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 22.0
 179 23.1 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.291 ng
 RT: 19.159 min Scan# 1726
 Delta R.T. 0.001 min
 Lab File: BN017644.D
 Acq: 01 Dec 2021 10:58

Tgt Ion:212 Resp: 102025
 Ion Ratio Lower Upper
 212 100
 106 15.2 10.5 15.7
 104 10.6 5.8 8.6#

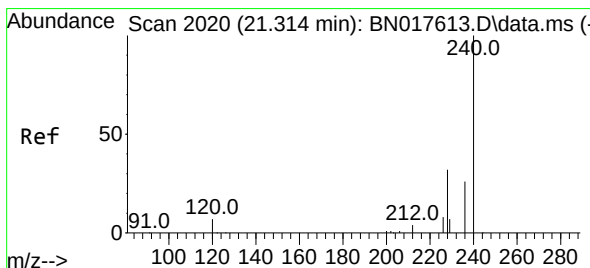
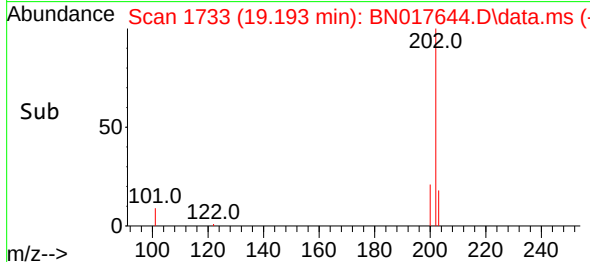
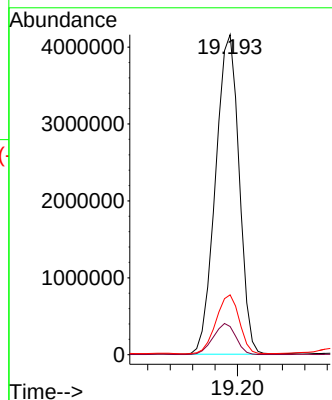
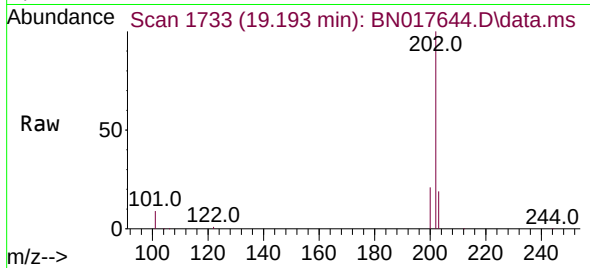




#28
Fluoranthene
Concen: 17.372 ng
RT: 19.193 min Scan# 1733
Delta R.T. 0.005 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

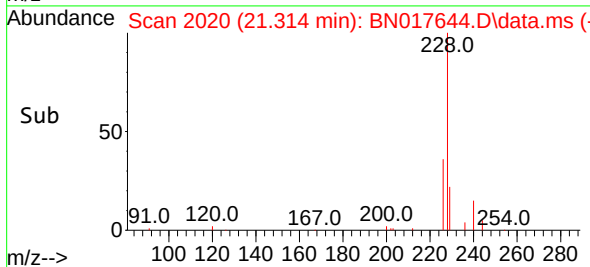
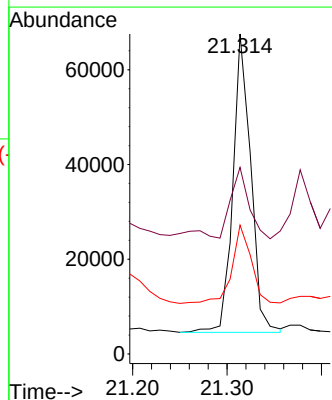
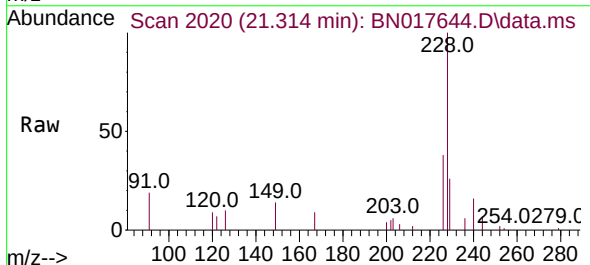
Instrument :
BNA_N
ClientSampleId :
CS-5A

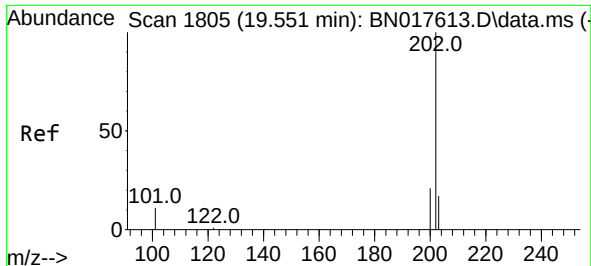
Tgt Ion:202 Resp: 6055510
Ion Ratio Lower Upper
202 100
101 9.3 8.9 13.3
203 18.1 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:240 Resp: 82793
Ion Ratio Lower Upper
240 100
120 58.3 4.2 6.2#
236 40.2 20.0 30.0#

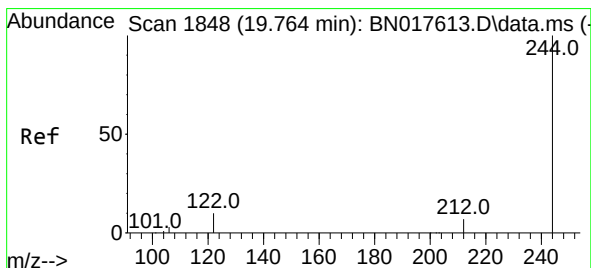
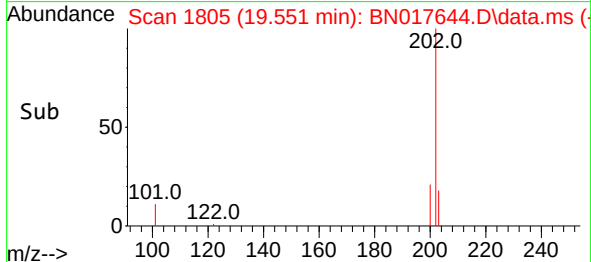
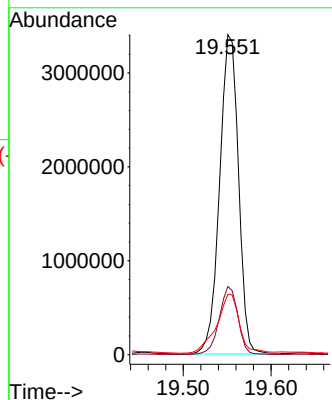
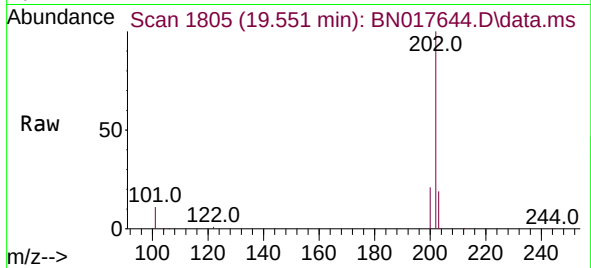




#30
Pyrene
Concen: 18.999 ng
RT: 19.551 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

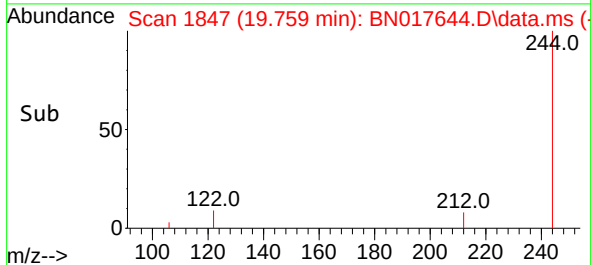
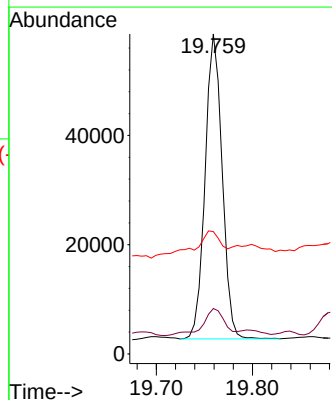
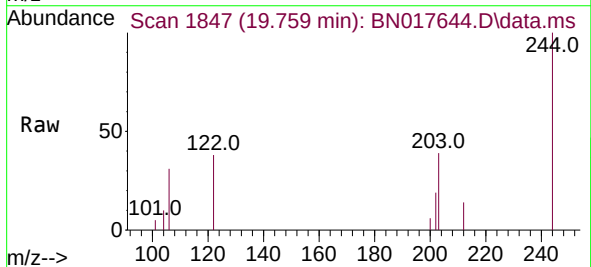
Instrument :
BNA_N
ClientSampleId :
CS-5A

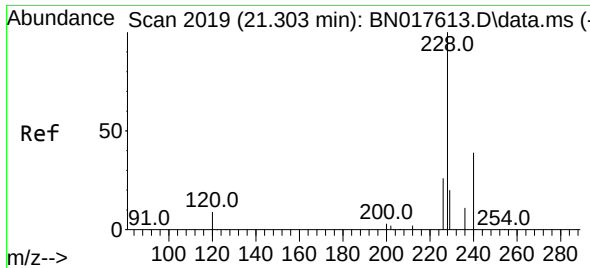
Tgt Ion:202 Resp: 5077775
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 22.1 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.379 ng
RT: 19.759 min Scan# 1847
Delta R.T. -0.005 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:244 Resp: 68824
Ion Ratio Lower Upper
244 100
212 14.2 5.7 8.5#
122 38.3 8.6 13.0#

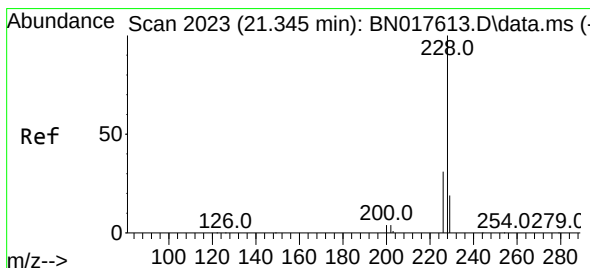
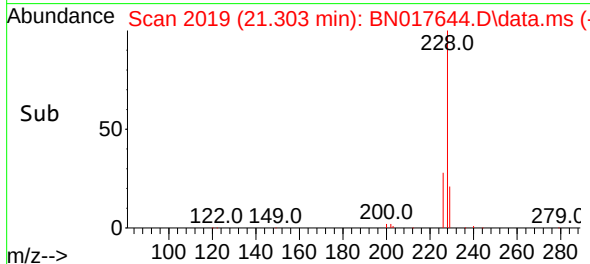
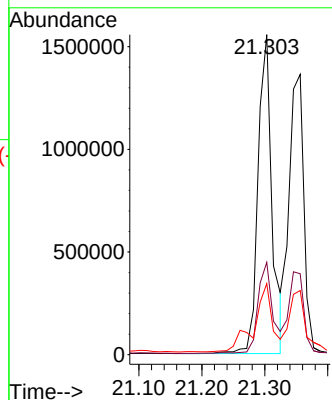
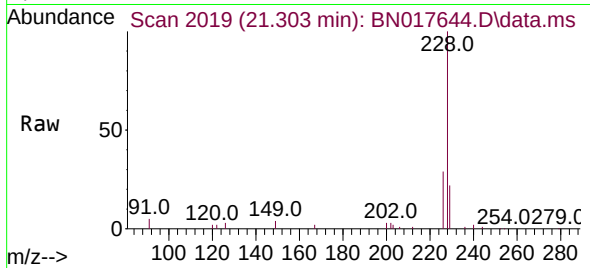




#32
Benzo(a)anthracene
Concen: 9.556 ng
RT: 21.303 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

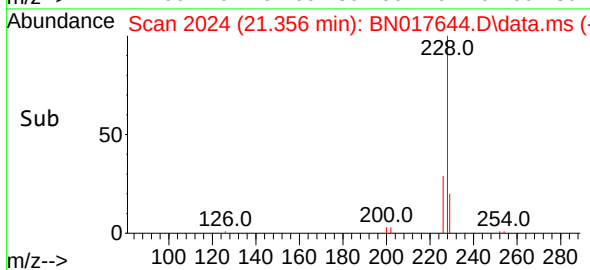
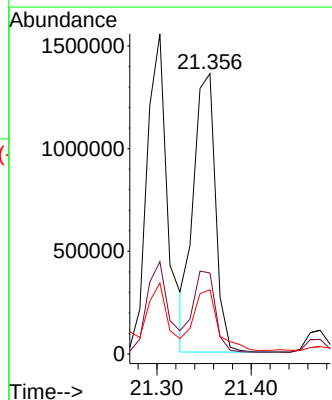
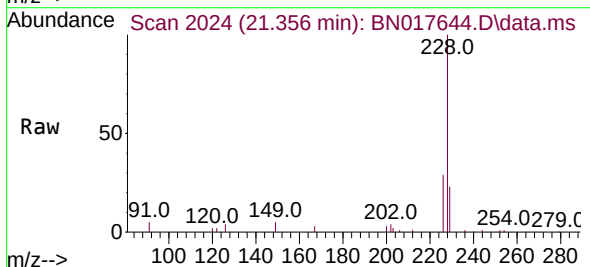
Instrument :
BNA_N
ClientSampleId :
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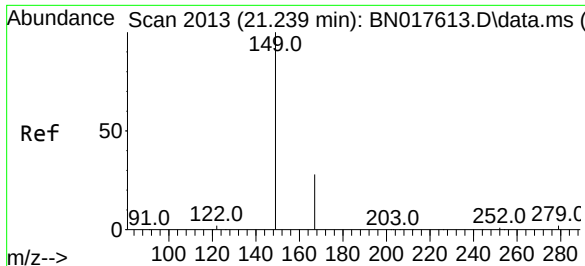
Tgt Ion:228 Resp: 2403135
Ion Ratio Lower Upper
228 100
226 28.9 21.3 31.9
229 22.2 15.7 23.5



#33
Chrysene
Concen: 8.056 ng
RT: 21.356 min Scan# 2024
Delta R.T. 0.011 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:228 Resp: 2203850
Ion Ratio Lower Upper
228 100
226 28.9 23.3 34.9
229 22.9 15.6 23.4

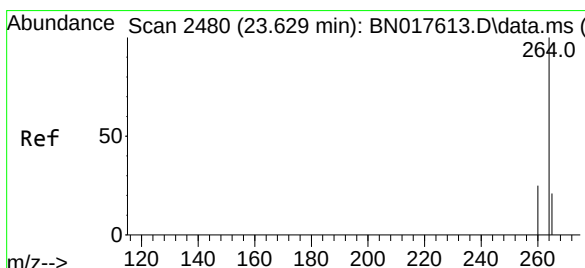
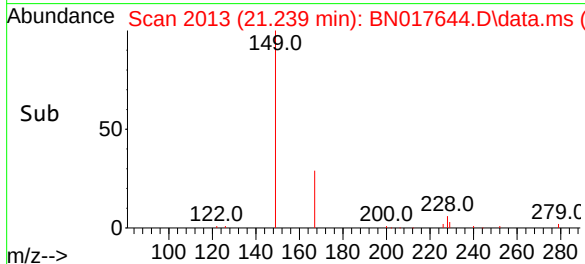
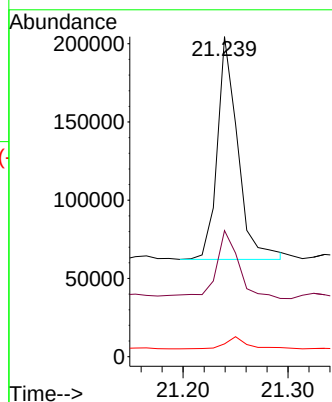
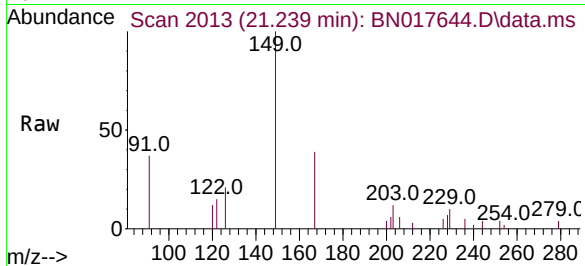




#34
Bis(2-ethylhexyl)phthalate
Concen: 3.230 ng
RT: 21.239 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

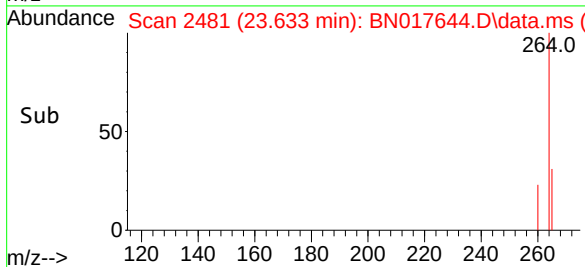
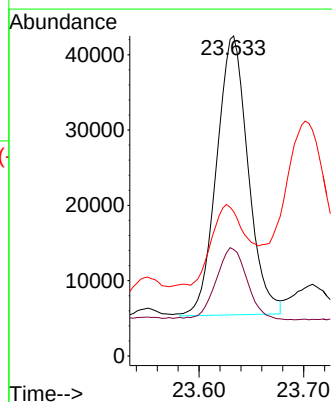
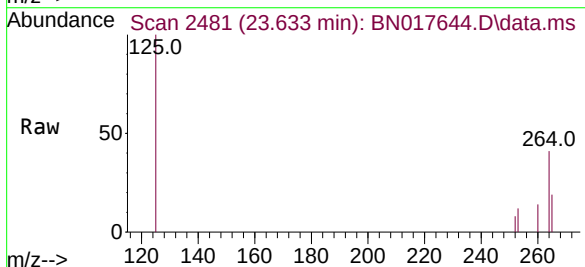
Instrument :
BNA_N
ClientSampleId :
CS-5A

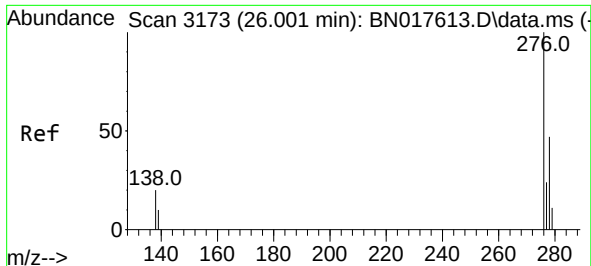
Tgt Ion:149 Resp: 192665
Ion Ratio Lower Upper
149 100
167 34.5 21.8 32.6#
279 5.8 3.4 5.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2481
Delta R.T. 0.004 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:264 Resp: 77583
Ion Ratio Lower Upper
264 100
260 33.3 19.4 29.2#
265 45.1 18.6 28.0#

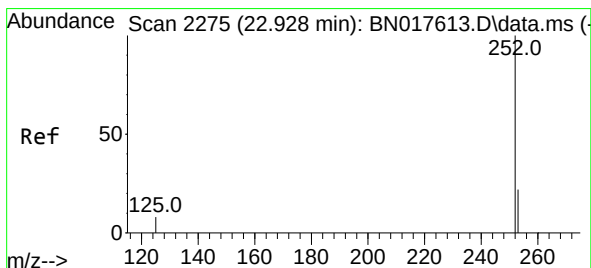
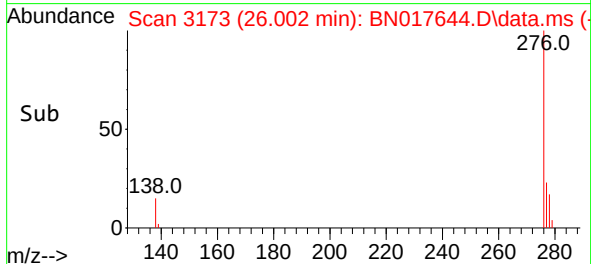
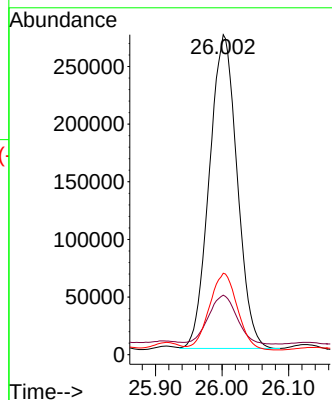
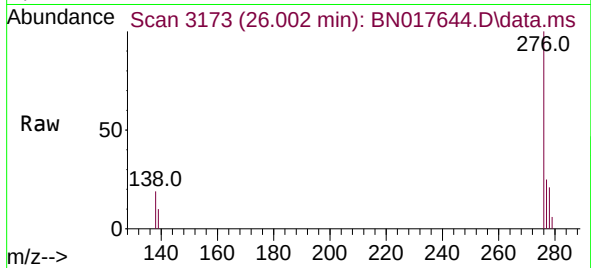




#36
Indeno(1,2,3-cd)pyrene
Concen: 3.132 ng
RT: 26.002 min Scan# 3173
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

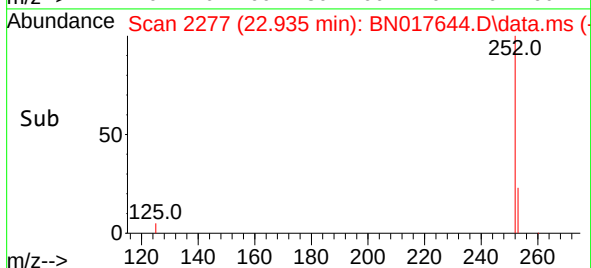
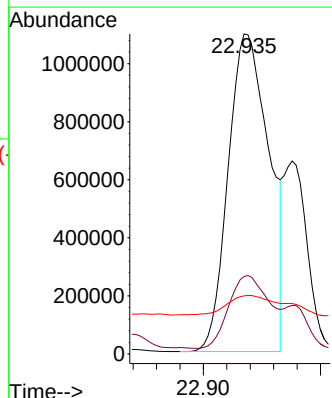
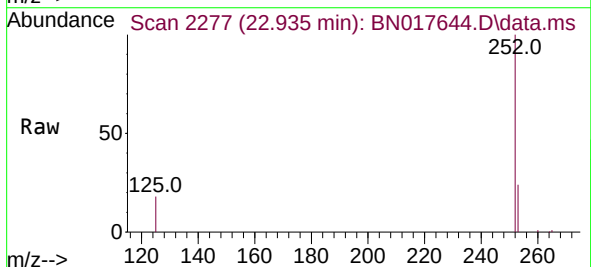
Instrument :
BNA_N
ClientSampleId :
CS-5A

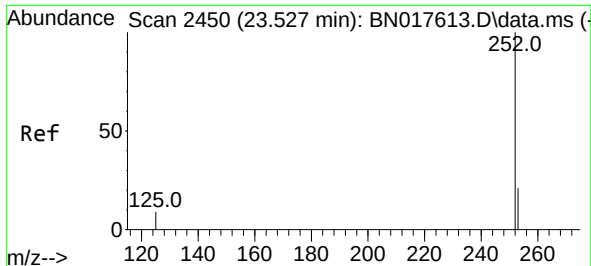
Tgt Ion:276 Resp: 789155
Ion Ratio Lower Upper
276 100
138 15.9 19.7 29.5#
277 24.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 10.322 ng
RT: 22.935 min Scan# 2277
Delta R.T. 0.007 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:252 Resp: 2655582
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 18.1 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 6.707 ng

RT: 23.530 min Scan# 24

Delta R.T. 0.004 min

Lab File: BN017644.D

Acq: 01 Dec 2021 10:58

Instrument :

BNA_N

ClientSampleId :

CS-5A

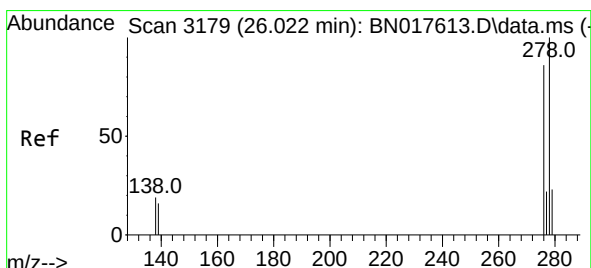
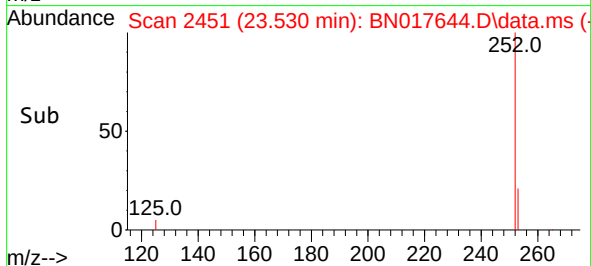
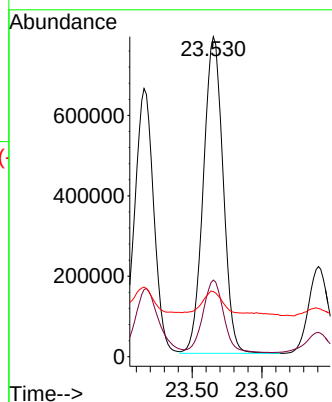
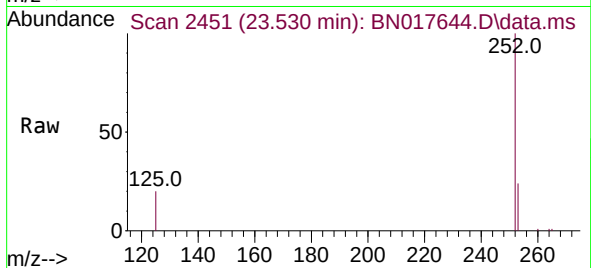
Tgt Ion:252 Resp: 1544650

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 20.4 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.988 ng

RT: 26.008 min Scan# 3175

Delta R.T. -0.014 min

Lab File: BN017644.D

Acq: 01 Dec 2021 10:58

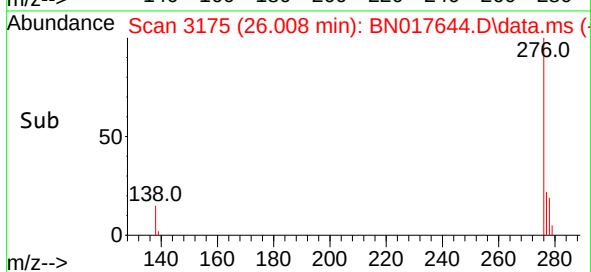
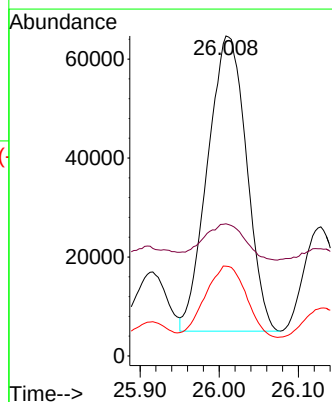
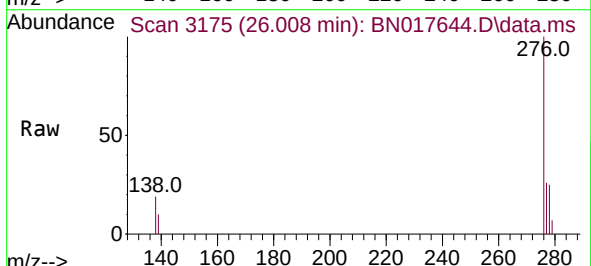
Tgt Ion:278 Resp: 203438

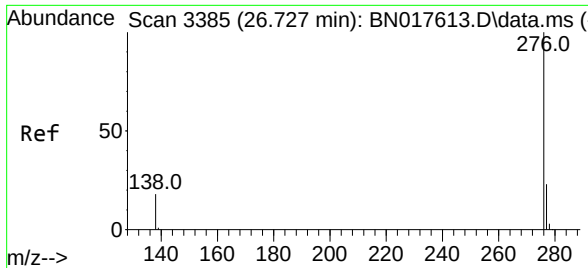
Ion Ratio Lower Upper

278 100

139 41.3 13.0 19.6#

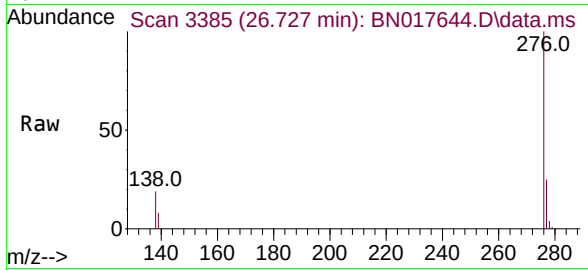
279 28.0 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 3.154 ng
RT: 26.727 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Instrument :
BNA_N
ClientSampleId :
CS-5A



Tgt Ion:276 Resp: 667987

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	19.0	17.1	25.7

