

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017636.D
 Acq On : 01 Dec 2021 06:11
 Operator : CG/JU
 Sample : M4862-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-7A

Quant Time: Dec 01 06:40:06 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)

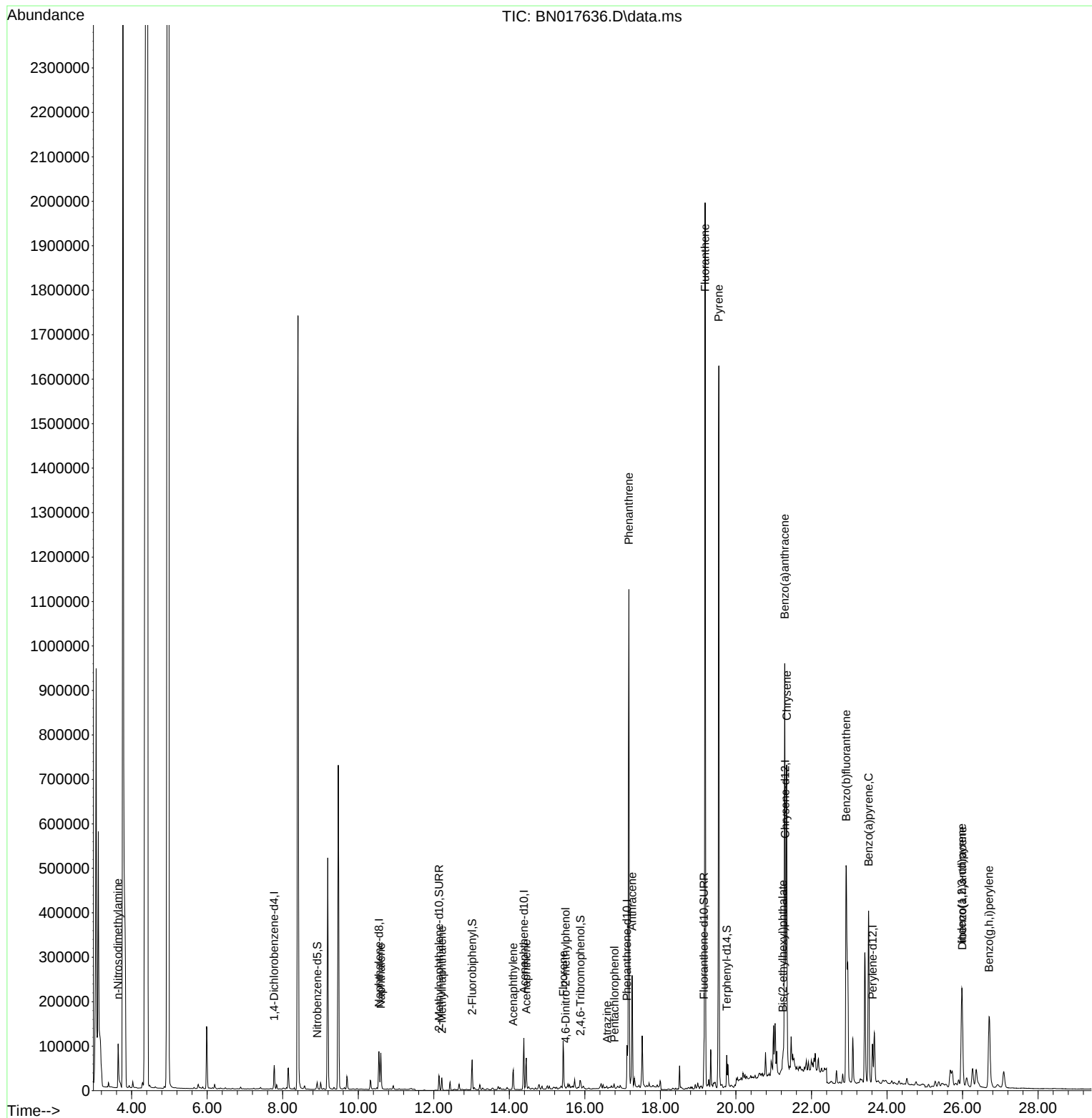
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	26666	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	111299	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	67386	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	136396	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	129085	0.400	ng	#-0.01
35) Perylene-d12	23.616	264	122381	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.403	112	93	0.002	ng	0.04
5) Phenol-d6	6.952	99	275	0.004	ng	0.00
8) Nitrobenzene-d5	8.913	82	13053	0.276	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	46685	0.240	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	56	0.126	ng	0.00
15) 2-Fluorobiphenyl	13.014	172	60562	0.231	ng	0.00
27) Fluoranthene-d10	19.154	212	107151	0.251	ng	0.00
31) Terphenyl-d14	19.754	244	76625	0.271	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.642	42	29133	1.164	ng	# 1
9) Naphthalene	10.598	128	98639	0.351	ng	100
12) 2-Methylnaphthalene	12.213	142	20925	0.113	ng	98
16) Acenaphthylene	14.105	152	53782	0.205	ng	99
17) Acenaphthene	14.448	154	37632	0.207	ng	99
18) Fluorene	15.425	166	75983	0.344	ng	97
20) 4,6-Dinitro-2-methylph...	15.488	198	27	0.060	ng	# 1
23) Atrazine	16.593	200	152	0.133	ng	# 13
24) Pentachlorophenol	16.788	266	181	0.196	ng	# 82
25) Phenanthrene	17.165	178	1204319	3.219	ng	100
26) Anthracene	17.250	178	255875	0.796	ng	# 92
28) Fluoranthene	19.184	202	1844363	4.357	ng	98
30) Pyrene	19.546	202	1486557	3.567	ng	# 96
32) Benzo(a)anthracene	21.293	228	816824	2.083	ng	96
33) Chrysene	21.346	228	692901	1.624	ng	97
34) Bis(2-ethylhexyl)phtha...	21.240	149	31854	0.343	ng	95
36) Indeno(1,2,3-cd)pyrene	25.981	276	384692	0.968	ng	# 92
37) Benzo(b)fluoranthene	22.918	252	864304	2.130	ng	99
39) Benzo(a)pyrene	23.513	252	582332	1.603	ng	98
40) Dibenzo(a,h)anthracene	25.991	278	89142	0.274	ng	# 92
41) Benzo(g,h,i)perylene	26.703	276	374560	1.121	ng	96

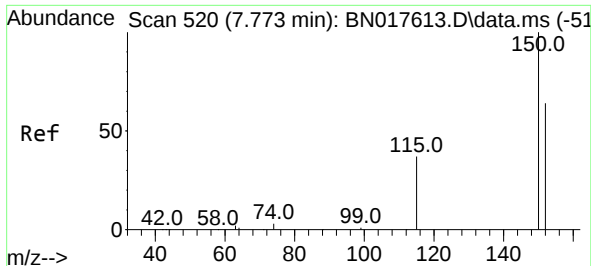
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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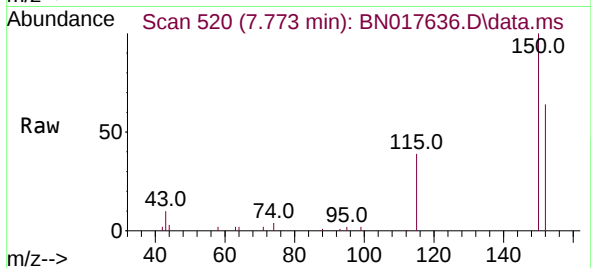
Quant Time: Dec 01 06:40:06 2021
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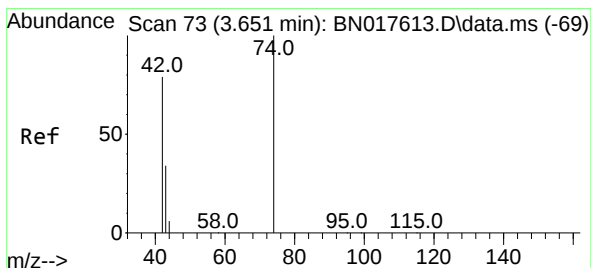
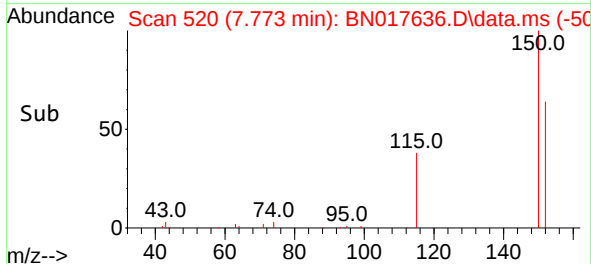
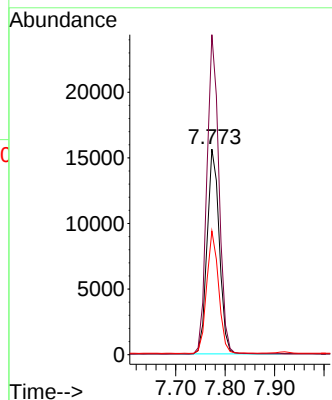


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Instrument :
BNA_N
ClientSampleId :
CS-7A

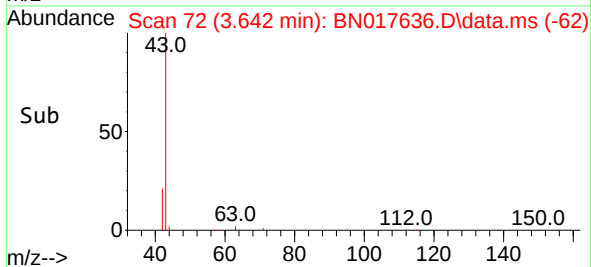
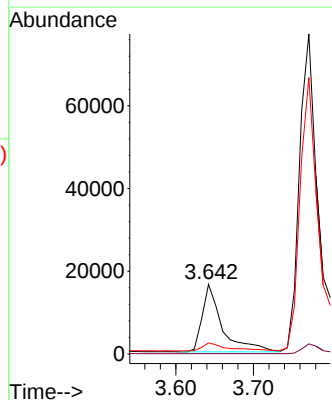
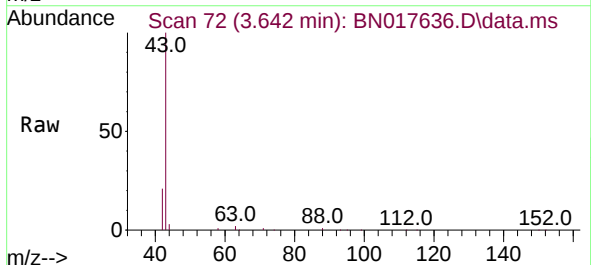


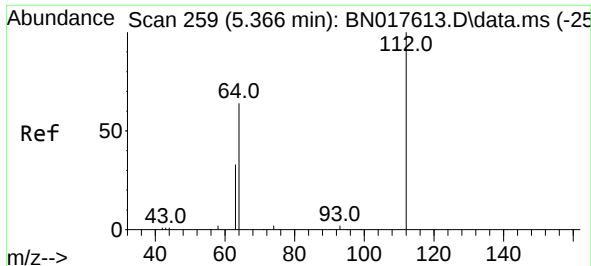
Tgt Ion:152 Resp: 26666
Ion Ratio Lower Upper
152 100
150 155.6 123.0 184.4
115 60.2 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 1.164 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion: 42 Resp: 29133
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 15.2 5.5 8.3#

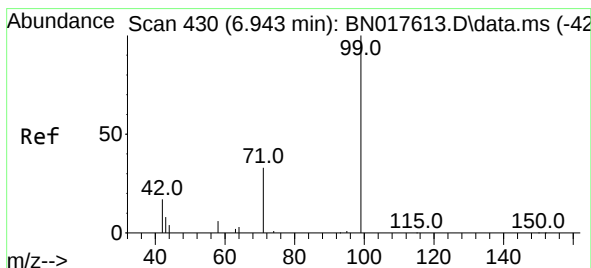
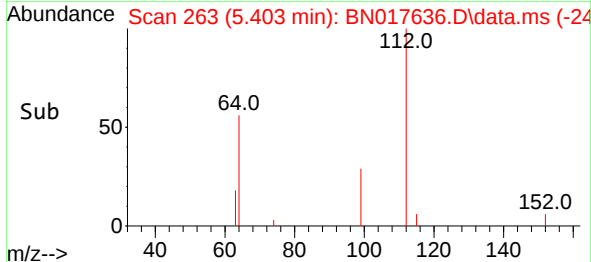
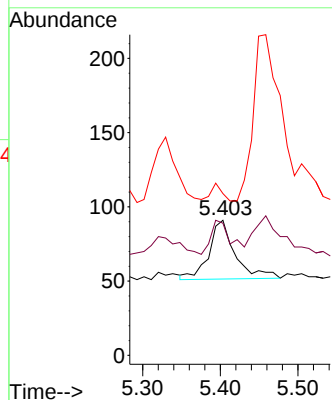
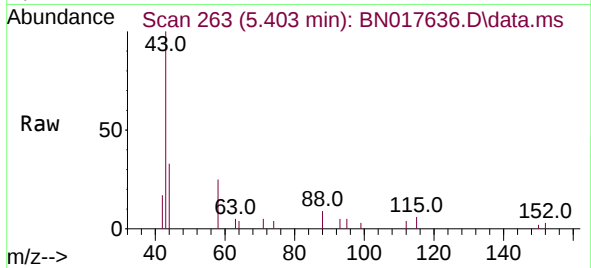




#4
2-Fluorophenol
Concen: 0.002 ng
RT: 5.403 min Scan# 21
Delta R.T. 0.037 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

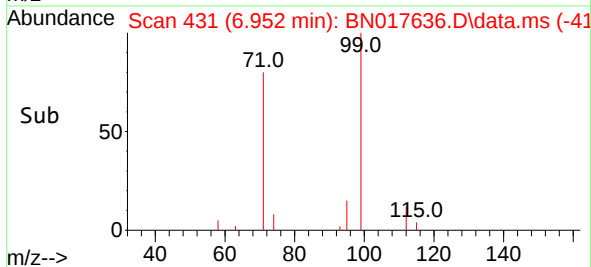
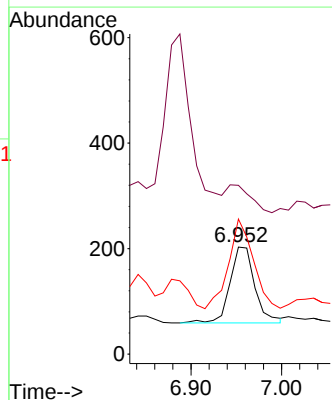
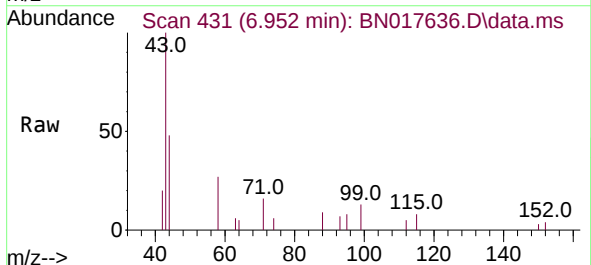
Instrument :
BNA_N
ClientSampleId :
CS-7A

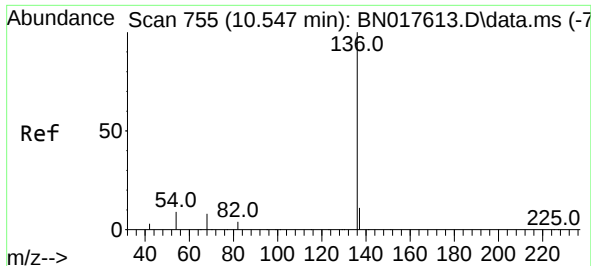
Tgt Ion: 112 Resp: 93
Ion Ratio Lower Upper
112 100
64 43.0 47.6 71.4#
63 11.8 24.6 37.0#



#5
Phenol-d6
Concen: 0.004 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion: 99 Resp: 275
Ion Ratio Lower Upper
99 100
42 34.2 17.0 25.6#
71 116.7 24.8 37.2#

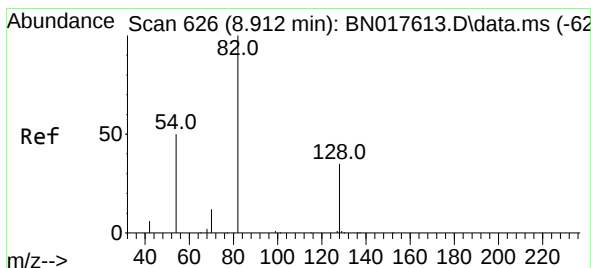
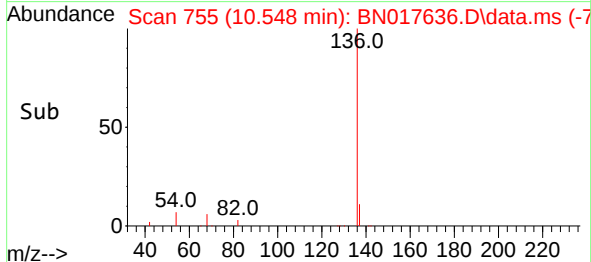
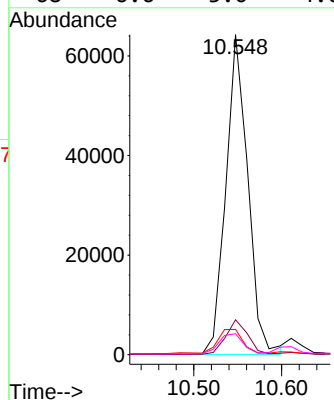
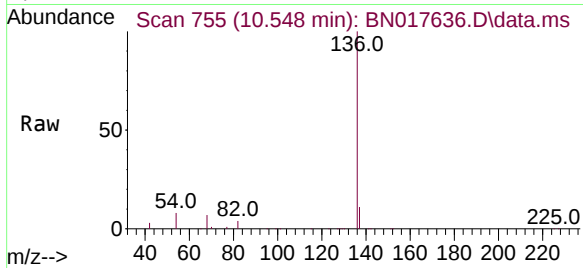




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

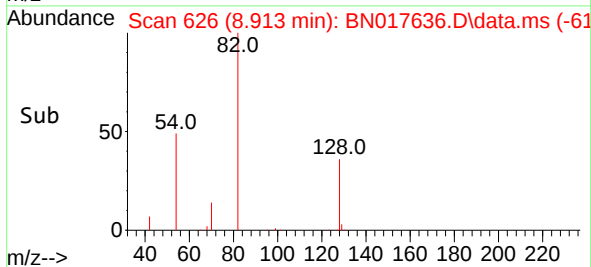
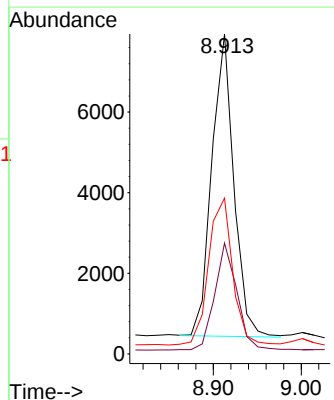
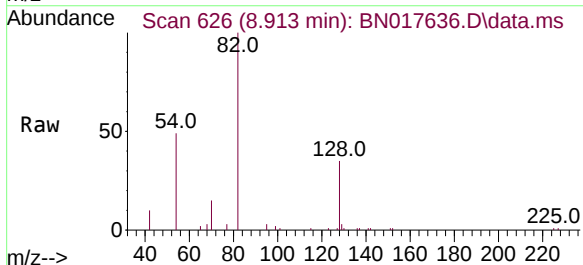
Instrument :
BNA_N
ClientSampleId :
CS-7A

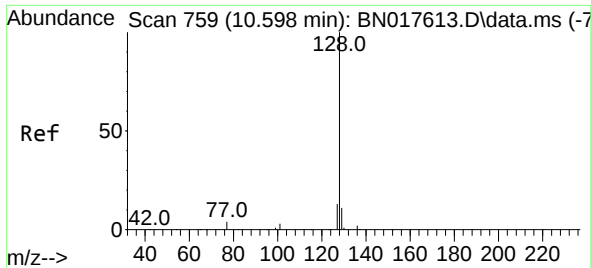
Tgt Ion:136 Resp: 111299
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.9 4.0 6.0#
68 6.6 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.276 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion: 82 Resp: 13053
Ion Ratio Lower Upper
82 100
128 34.7 27.7 41.5
54 48.7 49.2 73.8#

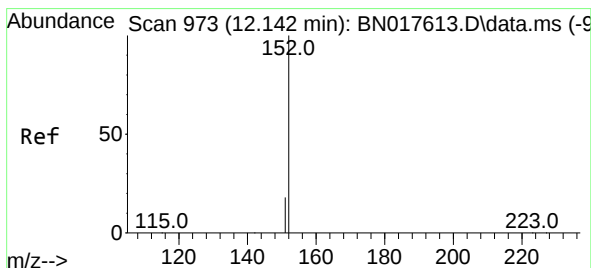
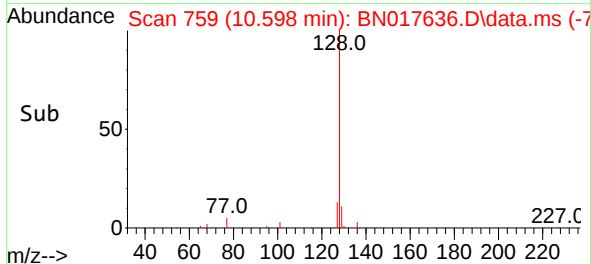
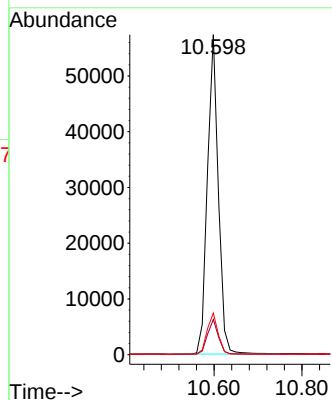
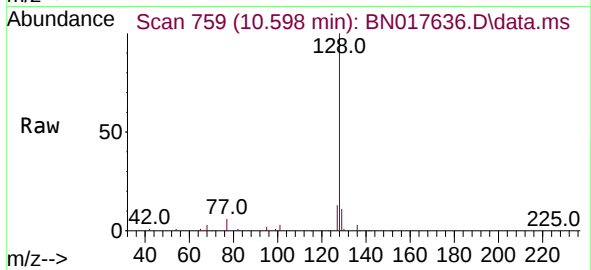




#9
Naphthalene
Concen: 0.351 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

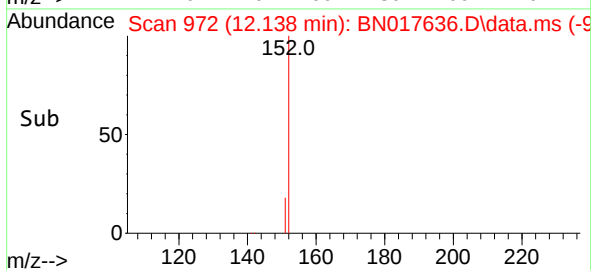
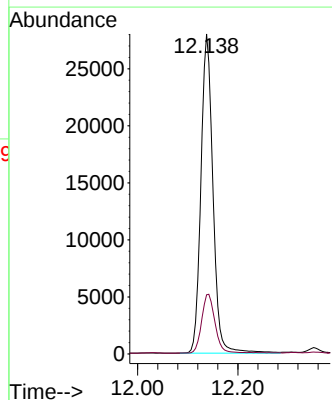
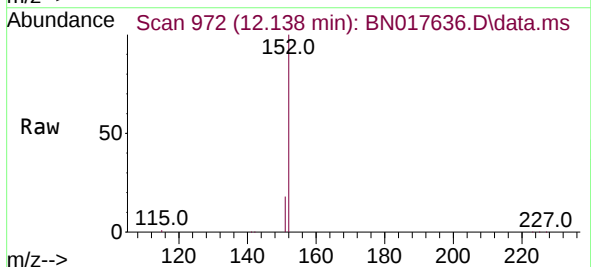
Instrument :
BNA_N
ClientSampleId :
CS-7A

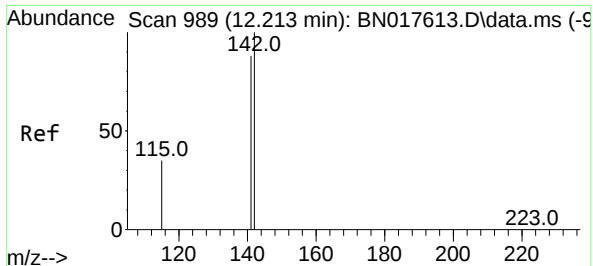
Tgt Ion:128 Resp: 98639
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.240 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion:152 Resp: 46685
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.113 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017636.D

Acq: 01 Dec 2021 06:11

Instrument :

BNA_N

ClientSampleId :

CS-7A

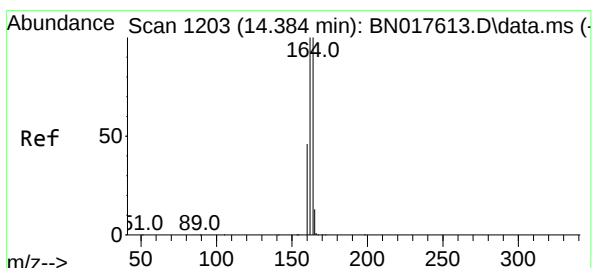
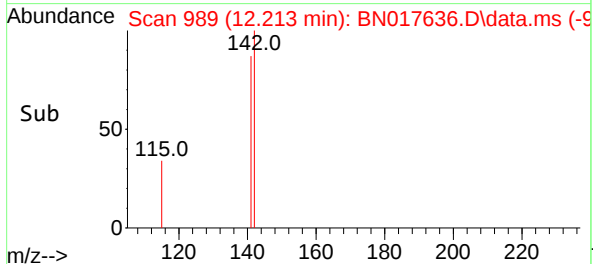
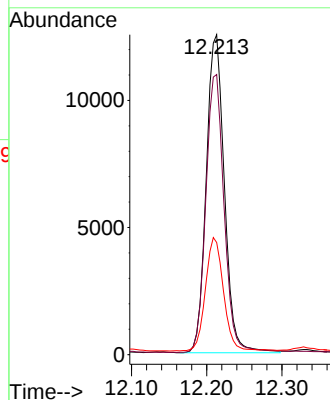
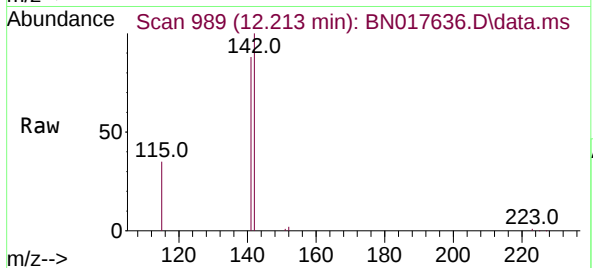
Tgt Ion:142 Resp: 20925

Ion Ratio Lower Upper

142 100

141 87.6 70.6 106.0

115 35.1 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: BN017636.D

Acq: 01 Dec 2021 06:11

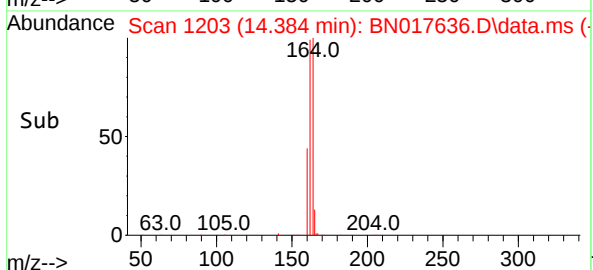
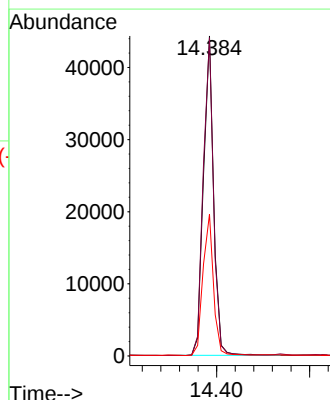
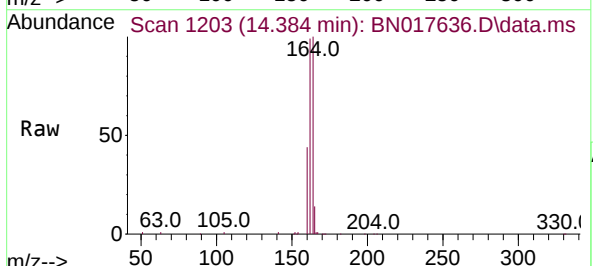
Tgt Ion:164 Resp: 67386

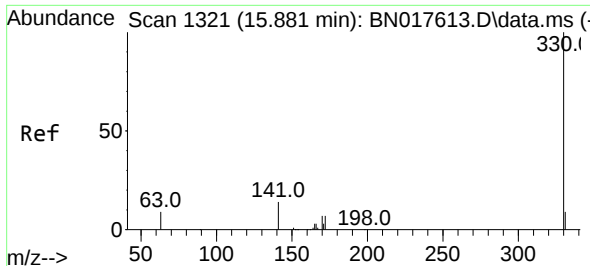
Ion Ratio Lower Upper

164 100

162 99.5 81.4 122.2

160 44.3 36.8 55.2

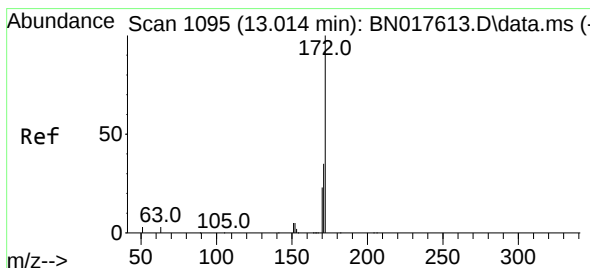
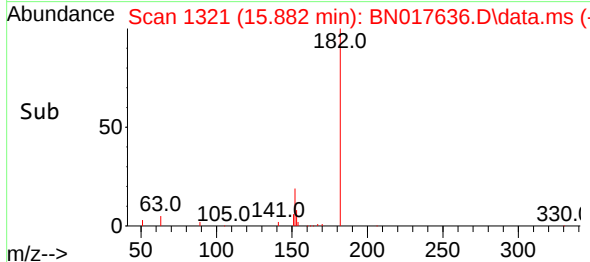
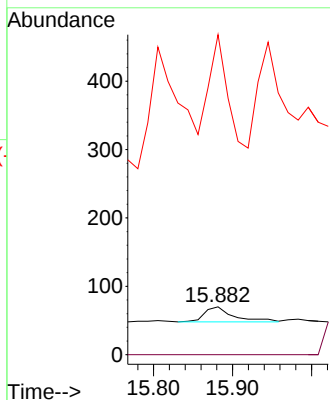
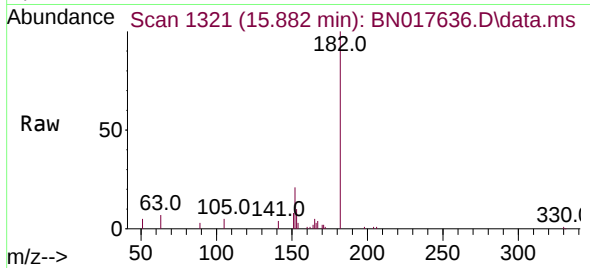




#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.882 min Scan# 11
Delta R.T. 0.001 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

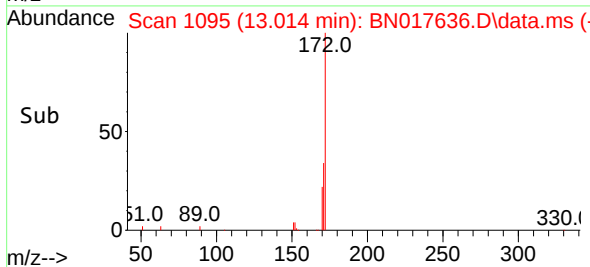
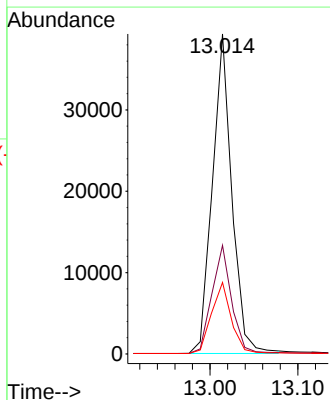
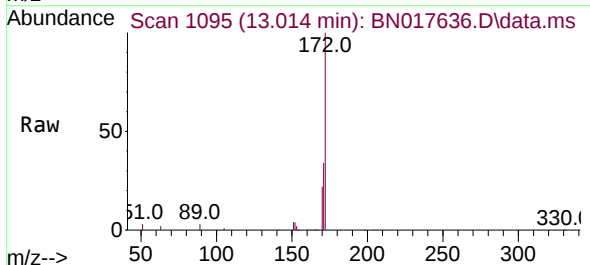
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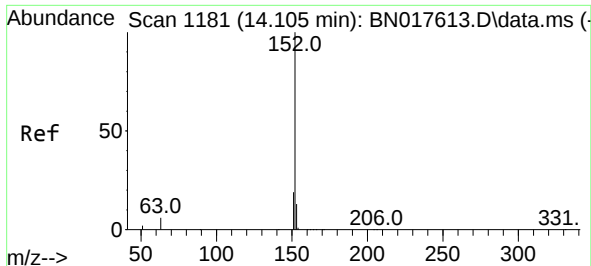
Tgt Ion:330 Resp: 56
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 458.9 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.231 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion:172 Resp: 60562
Ion Ratio Lower Upper
172 100
171 33.9 28.7 43.1
170 22.4 19.4 29.2

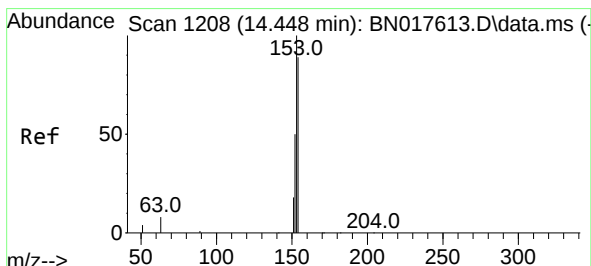
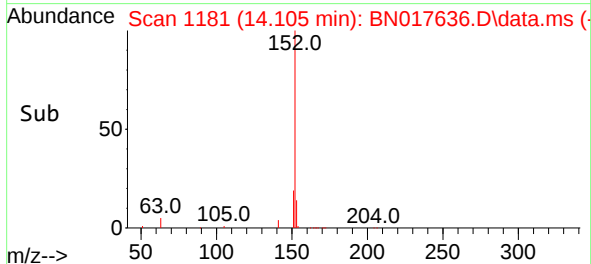
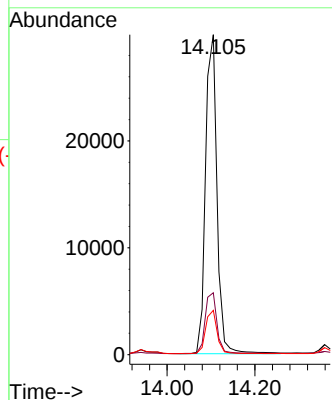
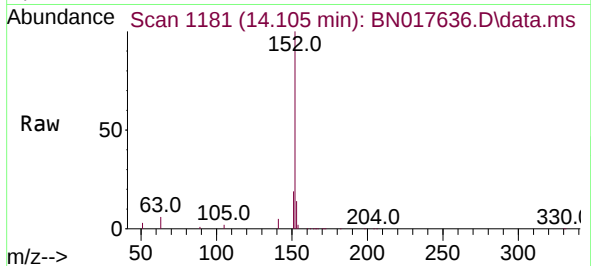




#16
Acenaphthylene
Concen: 0.205 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

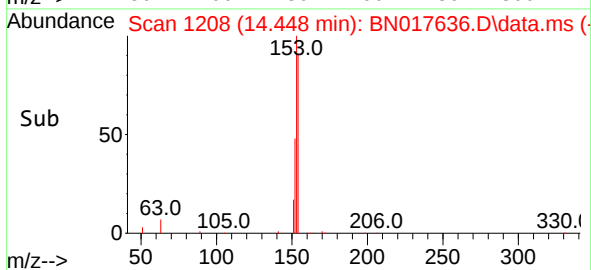
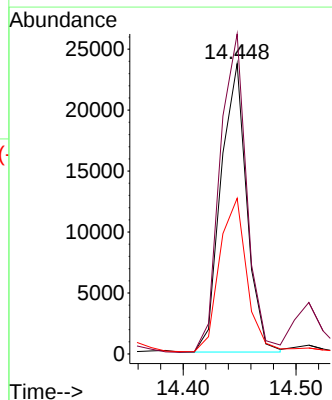
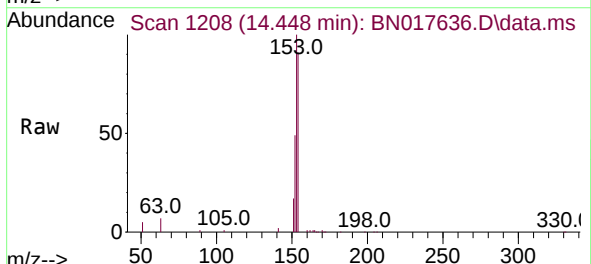
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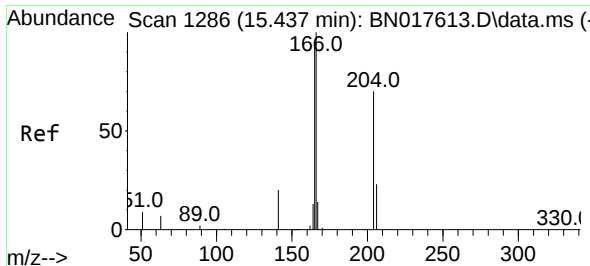
Tgt Ion:152 Resp: 53782
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.6 10.4 15.6



#17
Acenaphthene
Concen: 0.207 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion:154 Resp: 37632
Ion Ratio Lower Upper
154 100
153 114.5 91.2 136.8
152 57.8 44.3 66.5

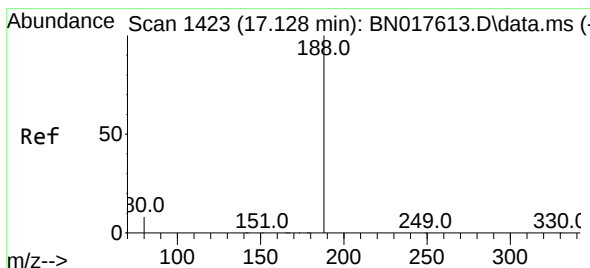
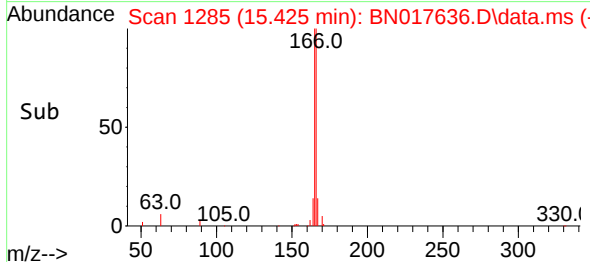
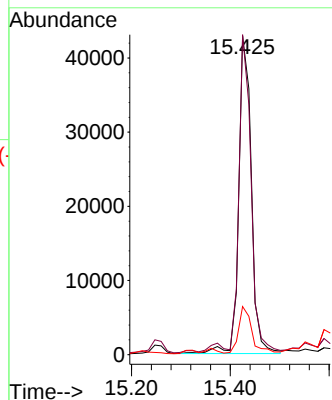
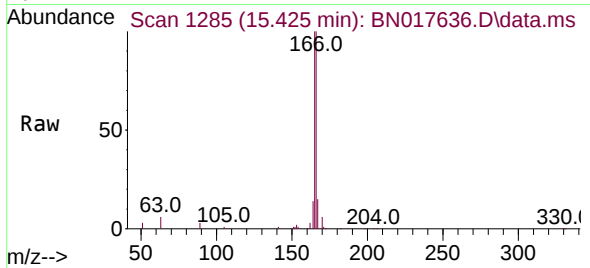




#18
Fluorene
Concen: 0.344 ng
RT: 15.425 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

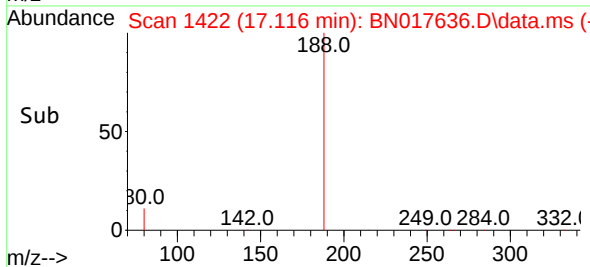
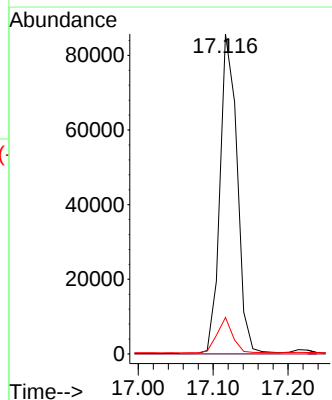
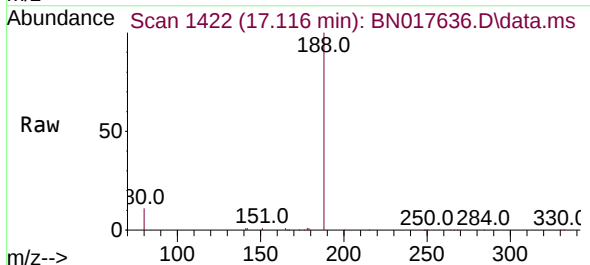
Instrument :
BNA_N
ClientSampleId :
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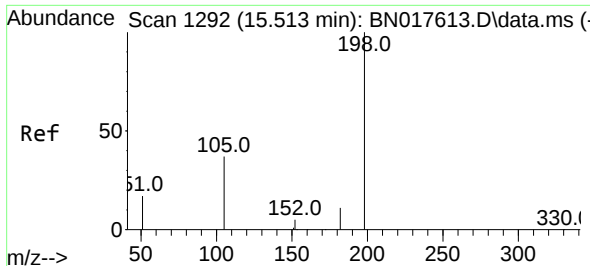
Tgt Ion:166 Resp: 75983
Ion Ratio Lower Upper
166 100
165 100.0 77.9 116.9
167 15.3 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion:188 Resp: 136396
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 6.1 9.1#

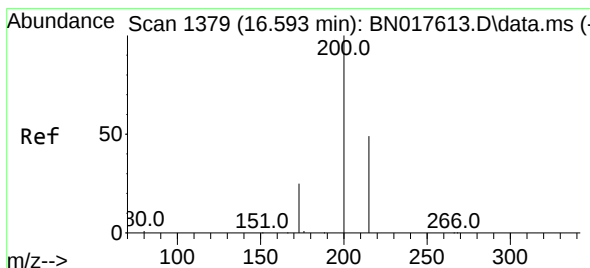
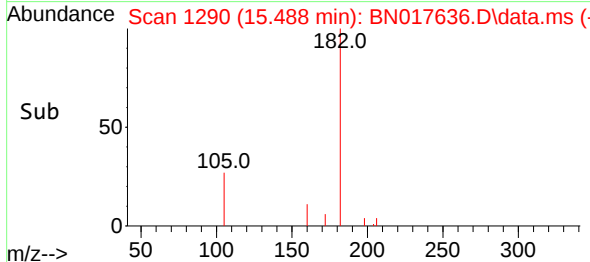
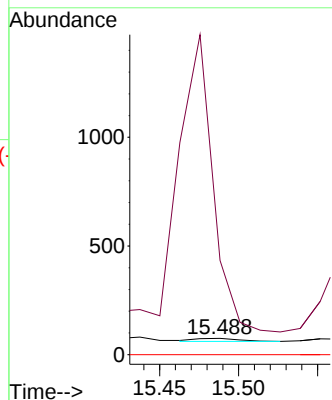
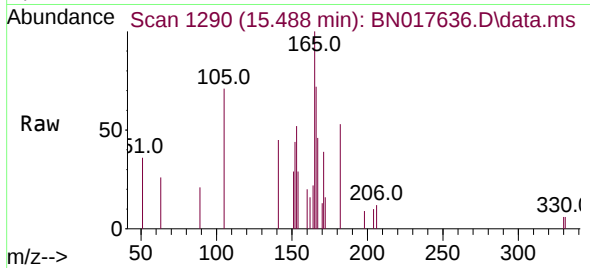




#20
4,6-Dinitro-2-methylphenol
Concen: 0.060 ng
RT: 15.488 min Scan# 1290
Delta R.T. -0.025 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

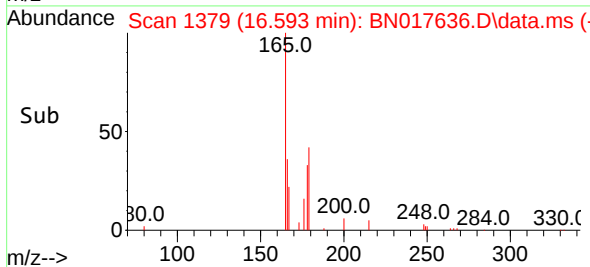
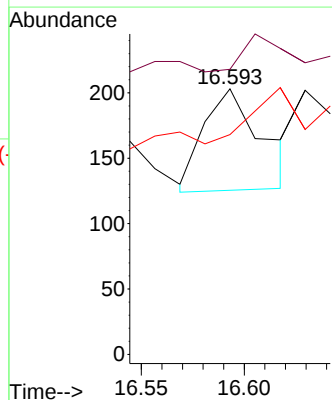
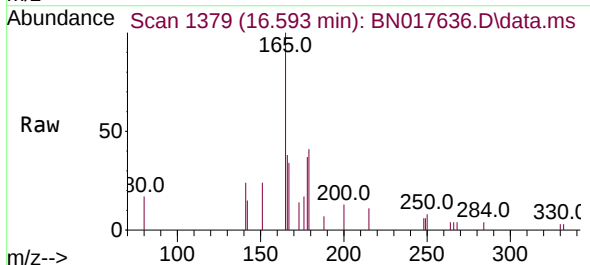
Instrument :
BNA_N
ClientSampleId :
CS-7A

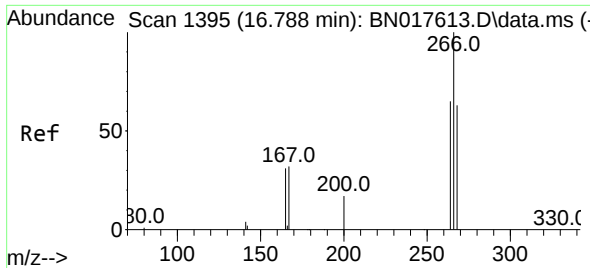
Tgt Ion:198 Resp: 27
Ion Ratio Lower Upper
198 100
182 578.7 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.133 ng
RT: 16.593 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion:200 Resp: 152
Ion Ratio Lower Upper
200 100
173 107.4 17.6 26.4#
215 82.8 40.2 60.4#

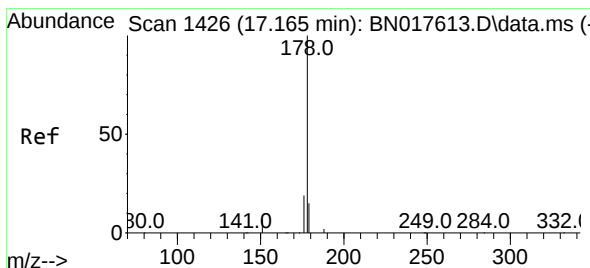
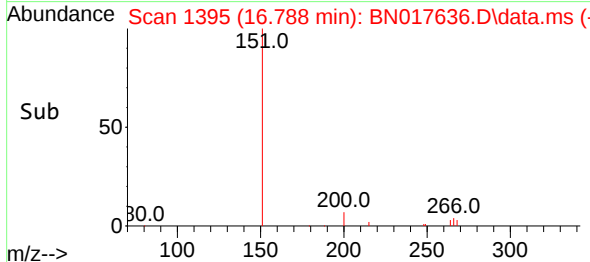
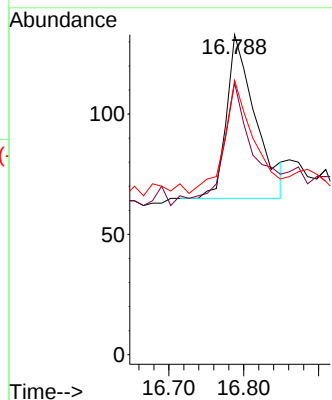
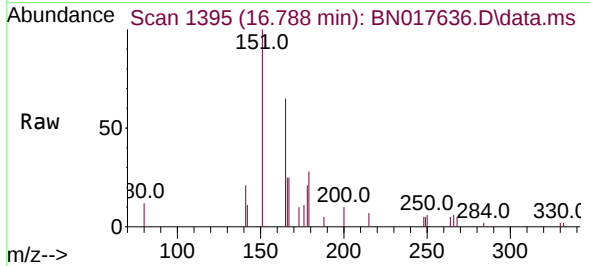




#24
 Pentachlorophenol
 Concen: 0.196 ng
 RT: 16.788 min Scan# 1395
 Delta R.T. -0.000 min
 Lab File: BN017636.D
 Acq: 01 Dec 2021 06:11

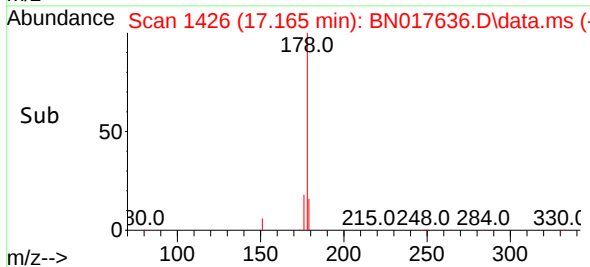
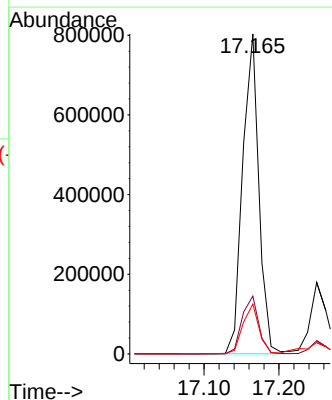
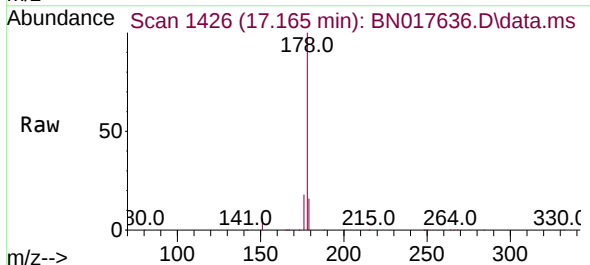
Instrument :
 BNA_N
 ClientSampleId :
 CS-7A

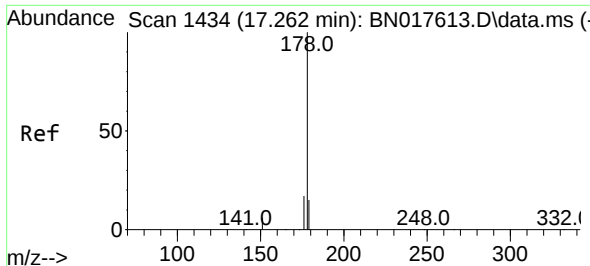
Tgt Ion:266 Resp: 181
 Ion Ratio Lower Upper
 266 100
 264 83.4 49.8 74.8#
 268 70.7 51.3 76.9



#25
 Phenanthrene
 Concen: 3.219 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: BN017636.D
 Acq: 01 Dec 2021 06:11

Tgt Ion:178 Resp: 1204319
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 15.6 12.3 18.5

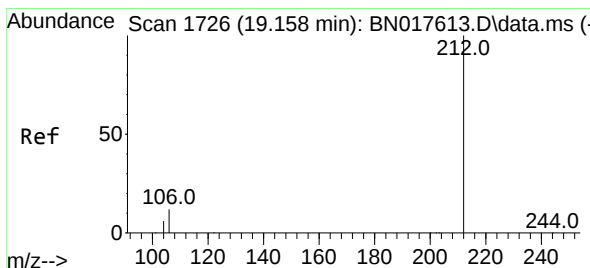
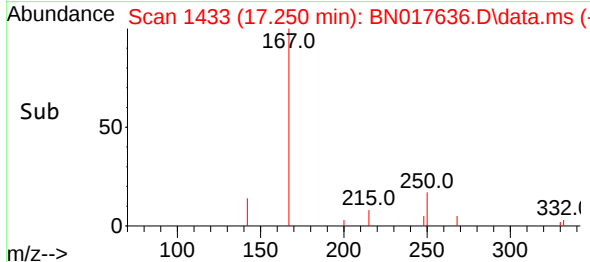
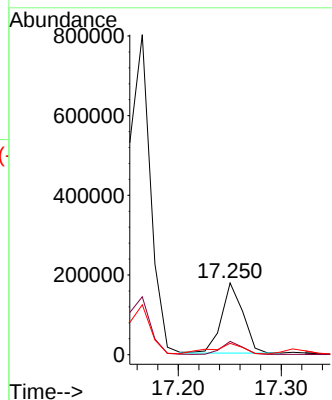
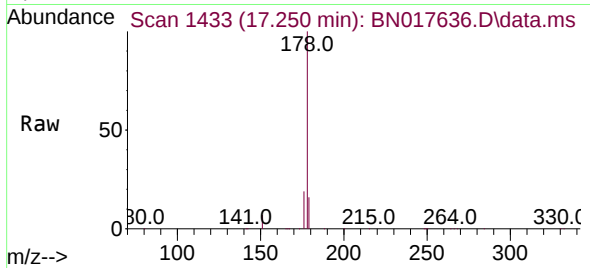




#26
 Anthracene
 Concen: 0.796 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017636.D
 Acq: 01 Dec 2021 06:11

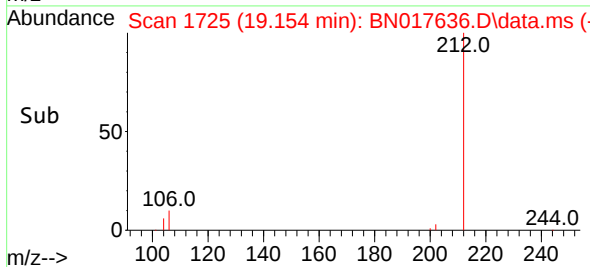
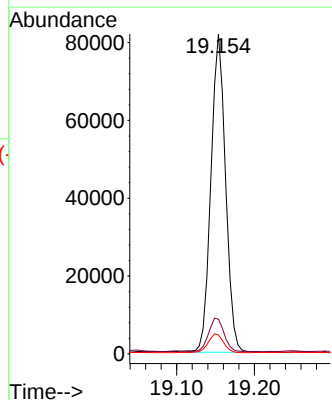
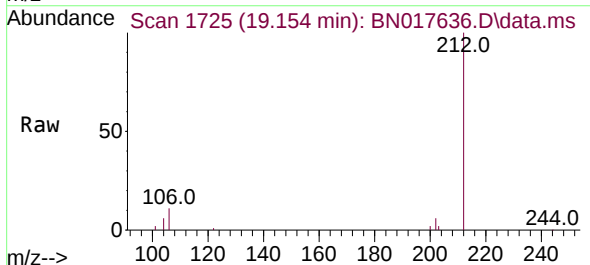
Instrument :
 BNA_N
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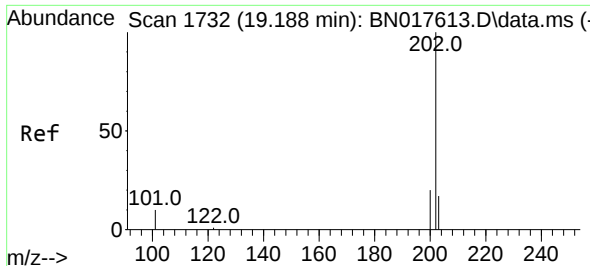
Tgt Ion:178 Resp: 255875
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.6 22.0
 179 21.4 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.251 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017636.D
 Acq: 01 Dec 2021 06:11

Tgt Ion:212 Resp: 107151
 Ion Ratio Lower Upper
 212 100
 106 11.1 10.5 15.7
 104 6.3 5.8 8.6

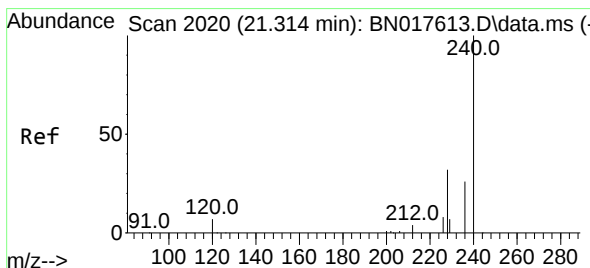
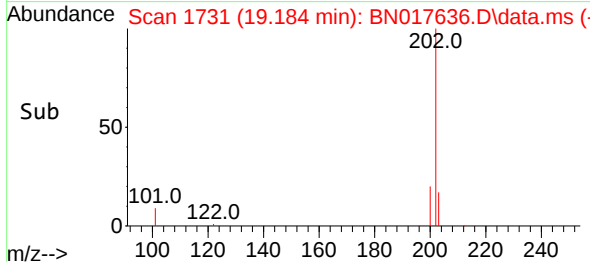
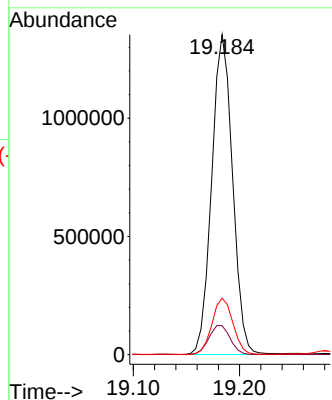
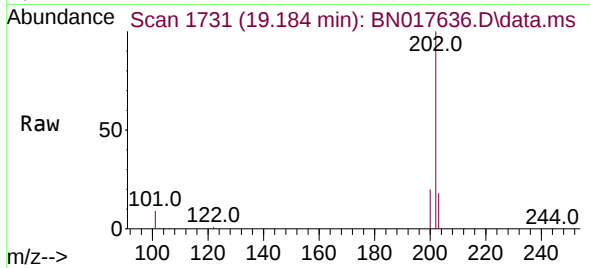




#28
Fluoranthene
Concen: 4.357 ng
RT: 19.184 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

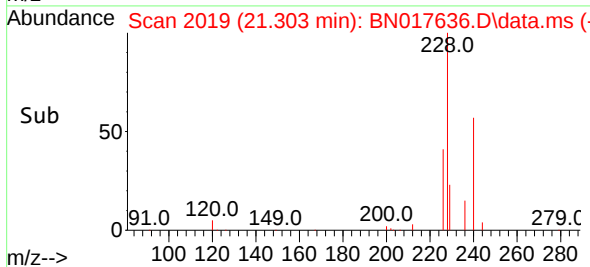
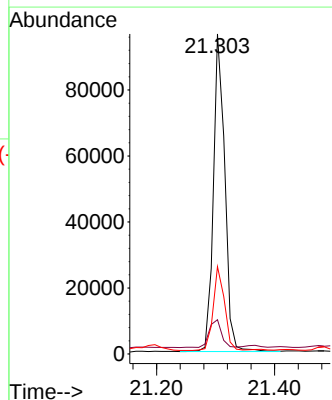
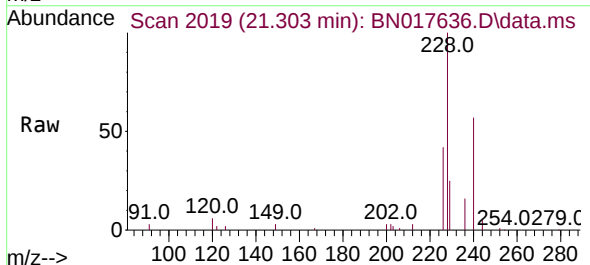
Instrument :
BNA_N
ClientSampleId :
CS-7A

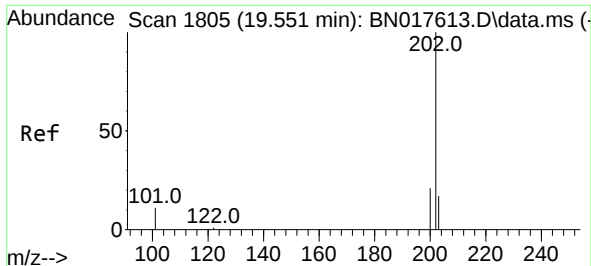
Tgt Ion:202 Resp: 1844363
Ion Ratio Lower Upper
202 100
101 9.4 8.9 13.3
203 17.6 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion:240 Resp: 129085
Ion Ratio Lower Upper
240 100
120 10.7 4.2 6.2#
236 27.3 20.0 30.0

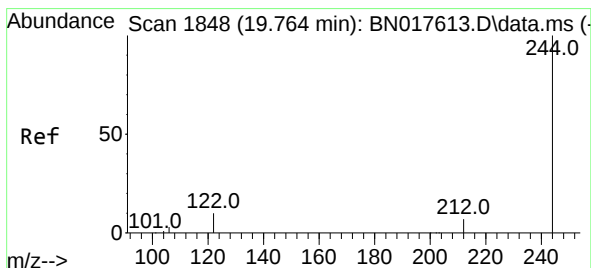
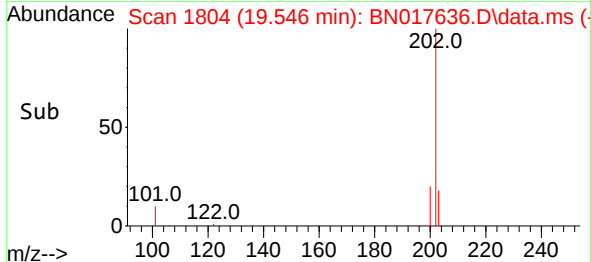
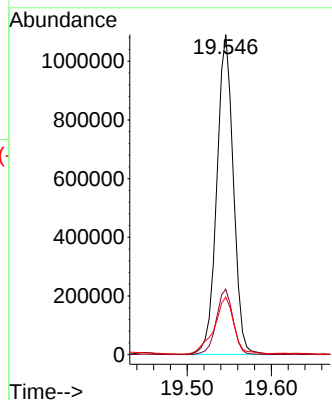
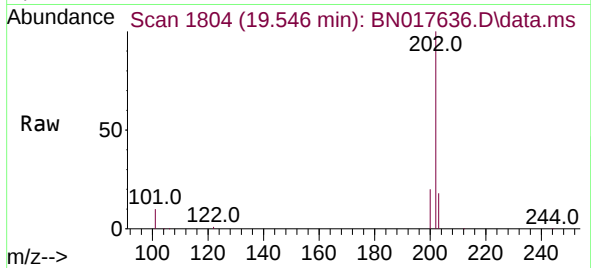




#30
Pyrene
Concen: 3.567 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

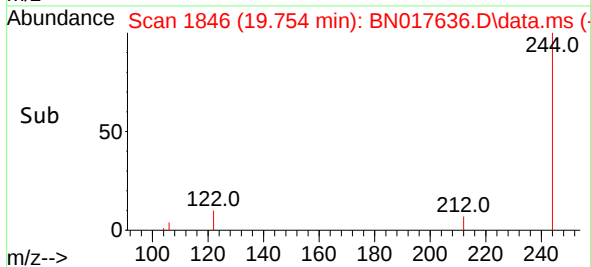
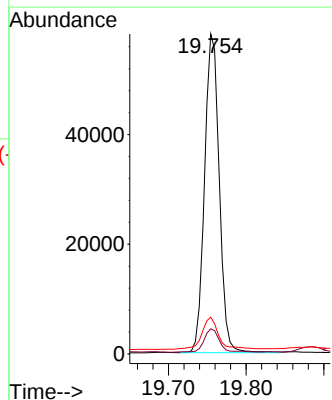
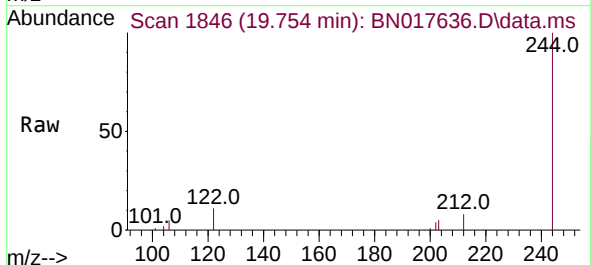
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BNA_N
ClientSampleId :
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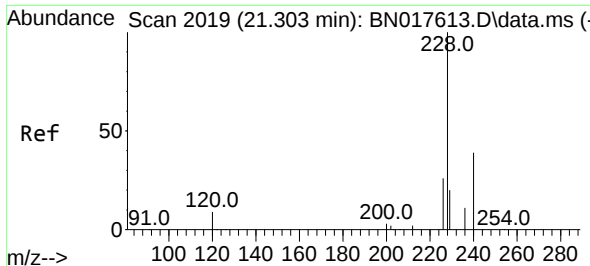
Tgt Ion:202 Resp: 1486557
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.3 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.271 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion:244 Resp: 76625
Ion Ratio Lower Upper
244 100
212 7.9 5.7 8.5
122 11.5 8.6 13.0

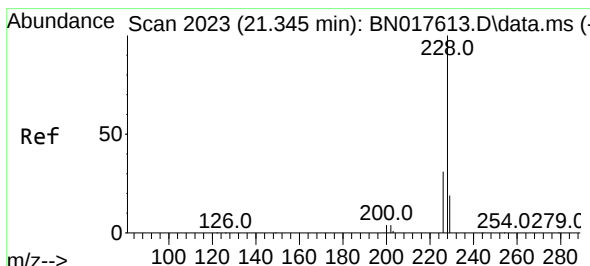
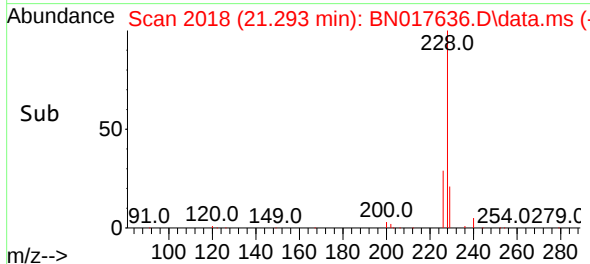
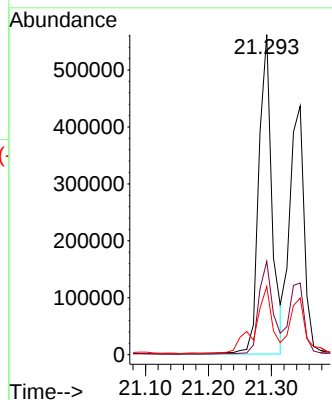
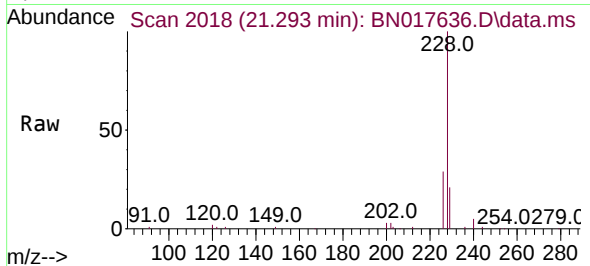




#32
Benzo(a)anthracene
Concen: 2.083 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

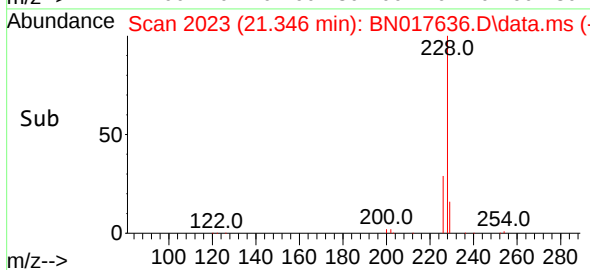
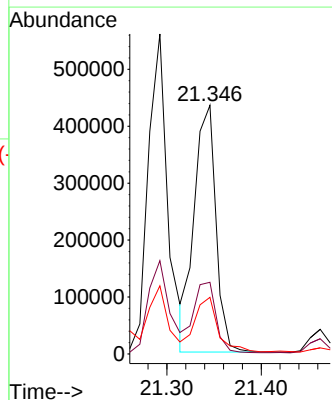
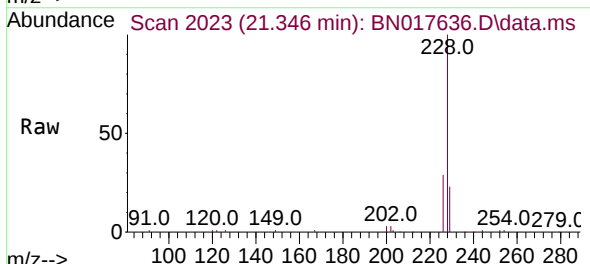
Instrument :
BNA_N
ClientSampleId :
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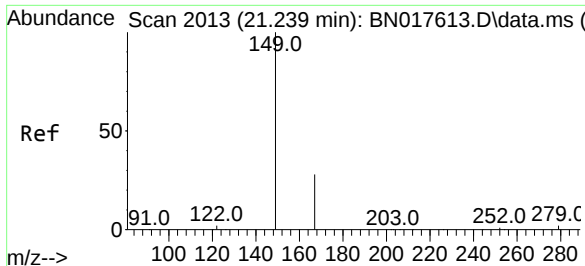
Tgt Ion:228 Resp: 816824
Ion Ratio Lower Upper
228 100
226 29.1 21.3 31.9
229 21.3 15.7 23.5



#33
Chrysene
Concen: 1.624 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Tgt Ion:228 Resp: 692901
Ion Ratio Lower Upper
228 100
226 28.8 23.3 34.9
229 22.8 15.6 23.4

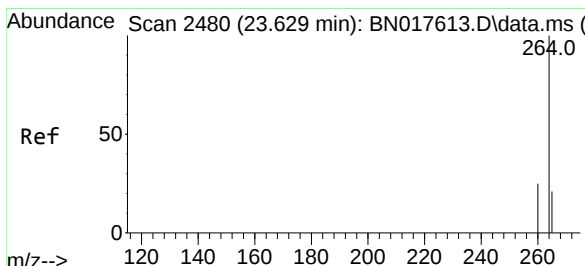
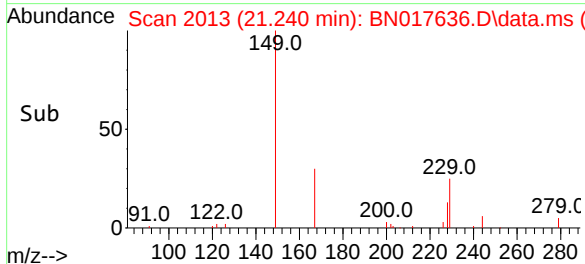
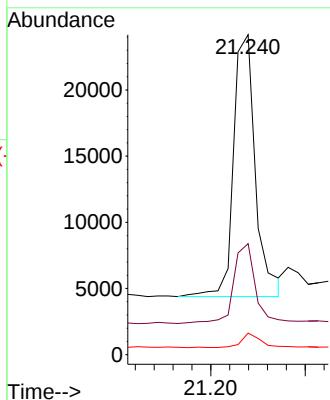
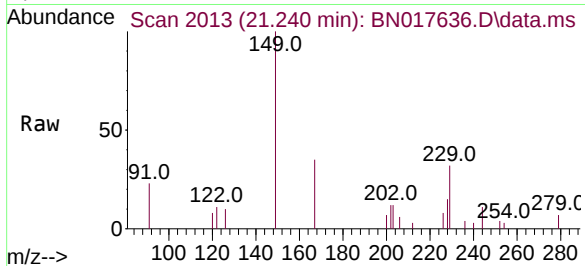




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.343 ng
 RT: 21.240 min Scan# 2013
 Delta R.T. 0.001 min
 Lab File: BN017636.D
 Acq: 01 Dec 2021 06:11

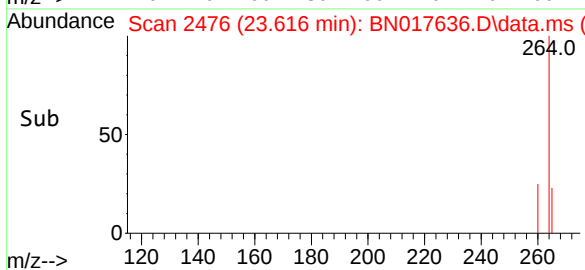
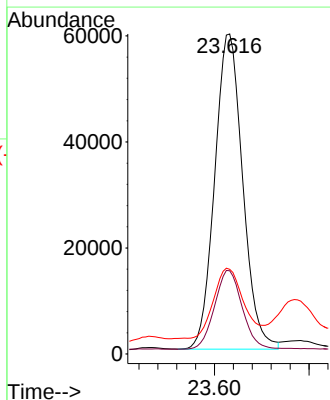
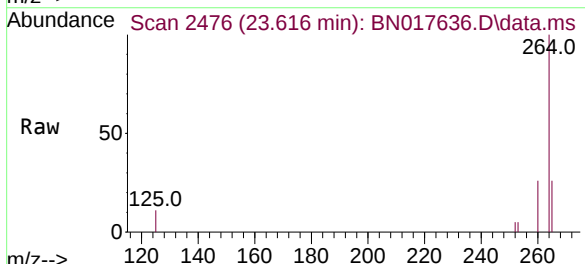
Instrument :
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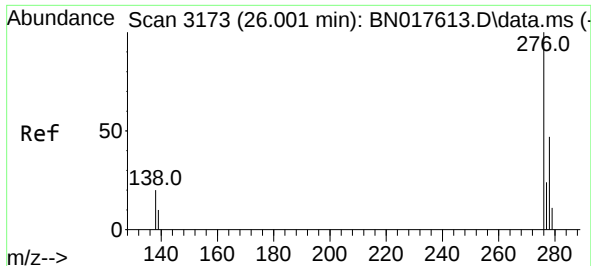
Tgt Ion:149 Resp: 31854
 Ion Ratio Lower Upper
 149 100
 167 30.2 21.8 32.6
 279 4.9 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.616 min Scan# 2476
 Delta R.T. -0.013 min
 Lab File: BN017636.D
 Acq: 01 Dec 2021 06:11

Tgt Ion:264 Resp: 122381
 Ion Ratio Lower Upper
 264 100
 260 26.0 19.4 29.2
 265 26.5 18.6 28.0

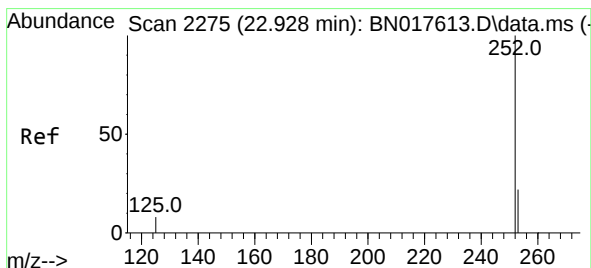
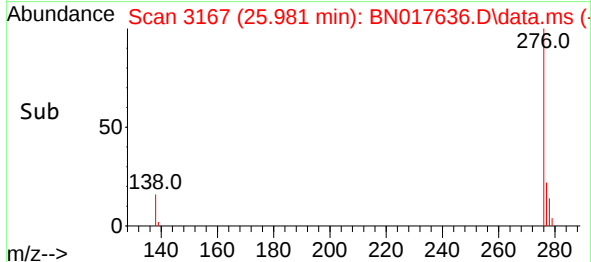
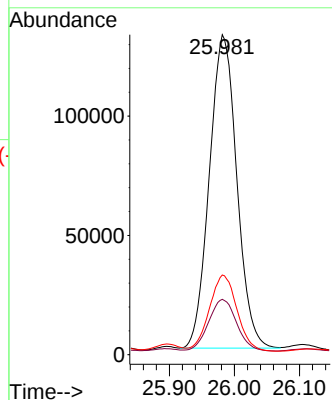
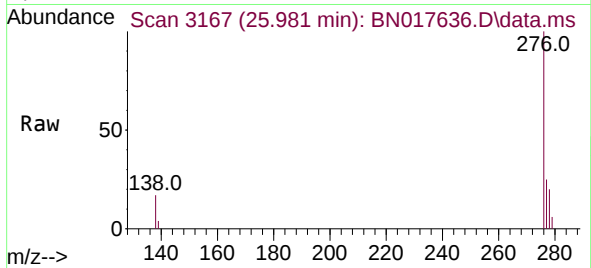




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.968 ng
RT: 25.981 min Scan# 3173
Delta R.T. -0.020 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

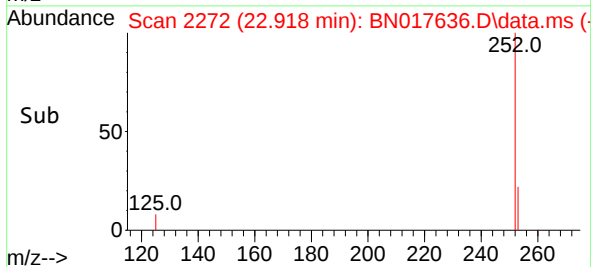
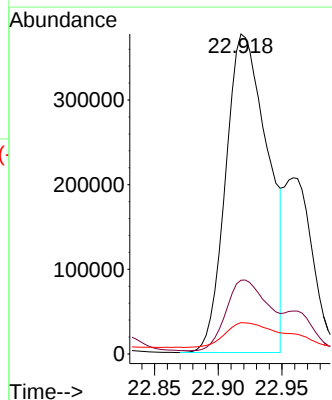
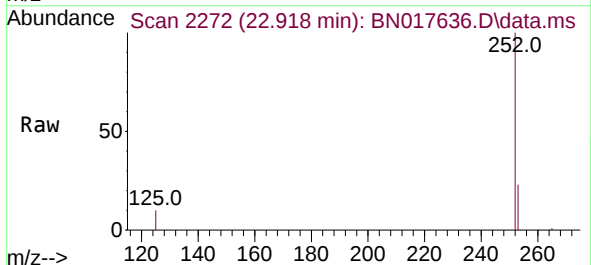
Instrument :
BNA_N
ClientSampleId :
CS-7A

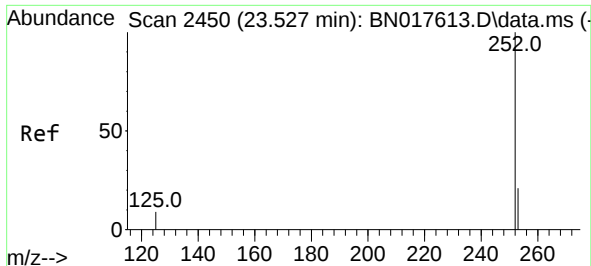
Tgt Ion:276 Resp: 384692
Ion Ratio Lower Upper
276 100
138 16.8 19.7 29.5#
277 24.5 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 2.130 ng
RT: 22.918 min Scan# 2272
Delta R.T. -0.010 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

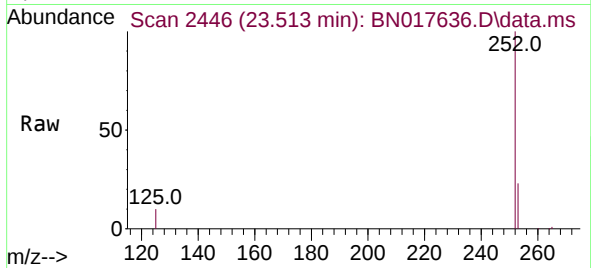
Tgt Ion:252 Resp: 864304
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 9.8 7.8 11.8



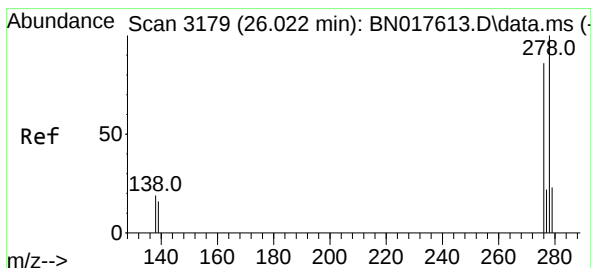
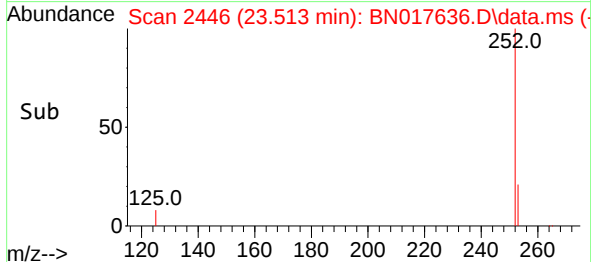
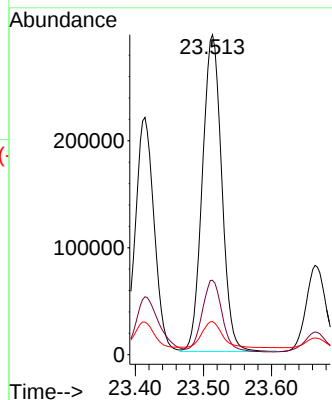


#39
Benzo(a)pyrene
Concen: 1.603 ng
RT: 23.513 min Scan# 24
Delta R.T. -0.013 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

Instrument :
BNA_N
ClientSampleId :
CS-7A

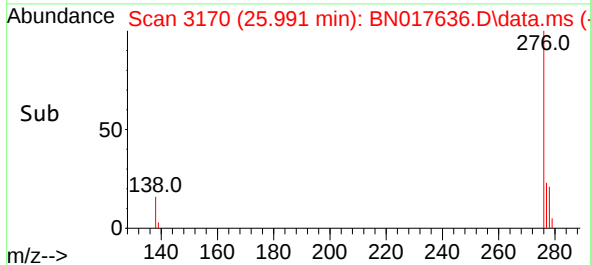
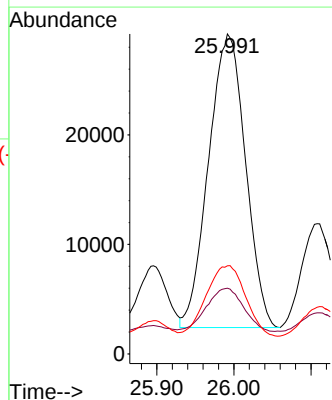
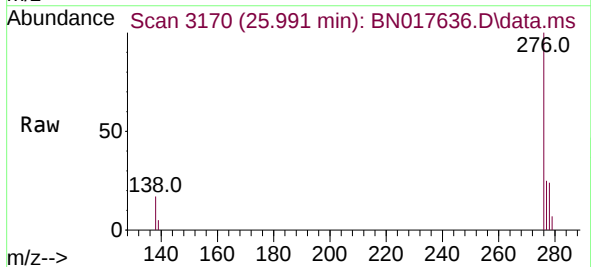


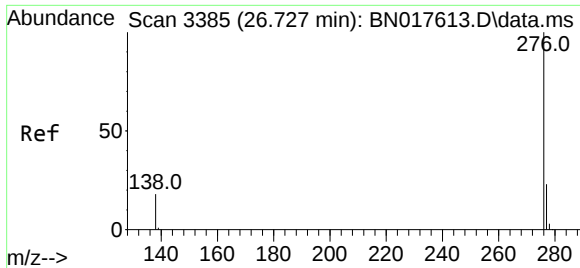
Tgt Ion:252 Resp: 582332
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 10.3 9.2 13.8



#40
Dibenzo(a,h)anthracene
Concen: 0.274 ng
RT: 25.991 min Scan# 3170
Delta R.T. -0.031 min
Lab File: BN017636.D
Acq: 01 Dec 2021 06:11

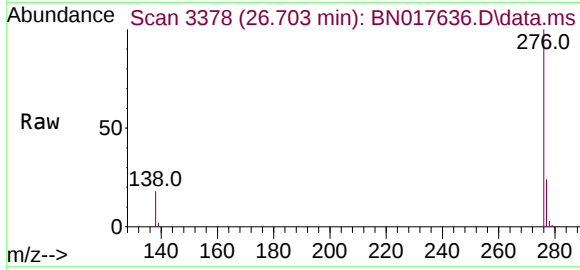
Tgt Ion:278 Resp: 89142
Ion Ratio Lower Upper
278 100
139 20.6 13.0 19.6#
279 27.6 19.2 28.8





#41
 Benzo(g,h,i)perylene
 Concen: 1.121 ng
 RT: 26.703 min Scan# 31
 Delta R.T. -0.024 min
 Lab File: BN017636.D
 Acq: 01 Dec 2021 06:11

Instrument :
 BNA_N
 ClientSampleId :
 CS-7A



Tgt Ion:276 Resp: 374560
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.0 28.4
 138 17.7 17.1 25.7

