

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017645.D
 Acq On : 01 Dec 2021 11:34
 Operator : CG/JU
 Sample : M4862-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-4B

Quant Time: Dec 01 12:07:32 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)

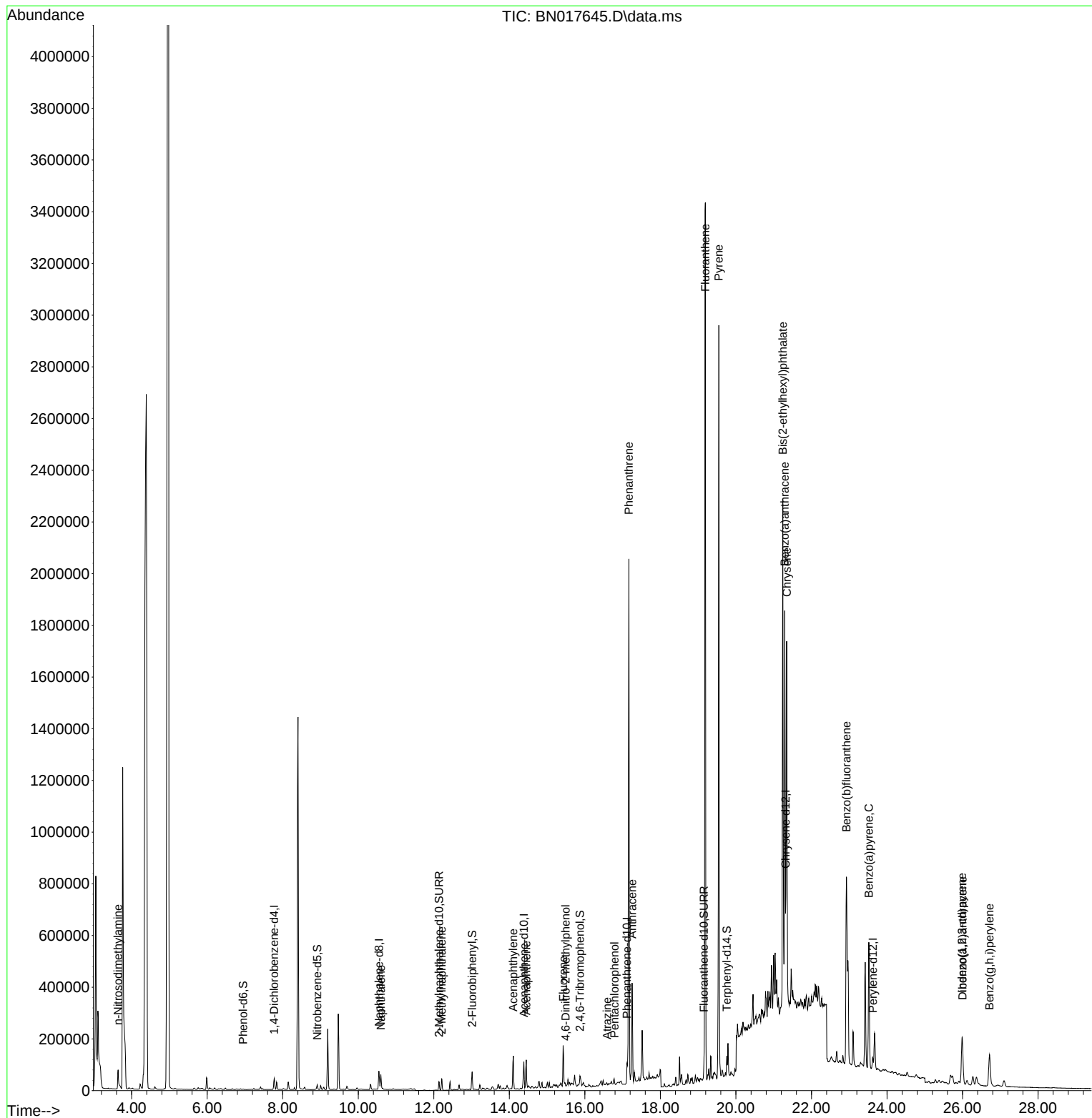
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	21324	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	88682	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	57023	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	118016	0.400	ng	#-0.01
29) Chrysene-d12	21.314	240	94049	0.400	ng	# 0.00
35) Perylene-d12	23.623	264	67294	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	243	0.005	ng	0.03
5) Phenol-d6	6.952	99	1131	0.022	ng	0.00
8) Nitrobenzene-d5	8.913	82	14454	0.384	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	46606	0.301	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	119	0.128	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	60396	0.272	ng	0.00
27) Fluoranthene-d10	19.154	212	108276	0.293	ng	0.00
31) Terphenyl-d14	19.759	244	77720	0.377	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.642	42	24772	1.238	ng	# 1
9) Naphthalene	10.598	128	70805	0.317	ng	99
12) 2-Methylnaphthalene	12.209	142	32584	0.221	ng	96
16) Acenaphthylene	14.105	152	144888	0.652	ng	98
17) Acenaphthene	14.448	154	56350	0.367	ng	98
18) Fluorene	15.425	166	114715	0.614	ng	# 93
20) 4,6-Dinitro-2-methylph...	15.488	198	126	0.081	ng	# 1
23) Atrazine	16.593	200	842	0.146	ng	# 1
24) Pentachlorophenol	16.788	266	570	0.205	ng	# 81
25) Phenanthrene	17.165	178	2102864	6.497	ng	99
26) Anthracene	17.250	178	386648	1.390	ng	# 93
28) Fluoranthene	19.189	202	3253448	8.882	ng	97
30) Pyrene	19.546	202	2731341	8.997	ng	# 95
32) Benzo(a)anthracene	21.293	228	1301449	4.556	ng	96
33) Chrysene	21.346	228	1288365	4.146	ng	96
34) Bis(2-ethylhexyl)phtha...	21.240	149	1966129	29.016	ng	97
36) Indeno(1,2,3-cd)pyrene	25.988	276	317197	1.452	ng	# 92
37) Benzo(b)fluoranthene	22.925	252	1287848	5.771	ng	# 88
39) Benzo(a)pyrene	23.520	252	726318	3.636	ng	# 89
40) Dibenzo(a,h)anthracene	26.002	278	81182	0.455	ng	# 60
41) Benzo(g,h,i)perylene	26.714	276	273990	1.491	ng	97

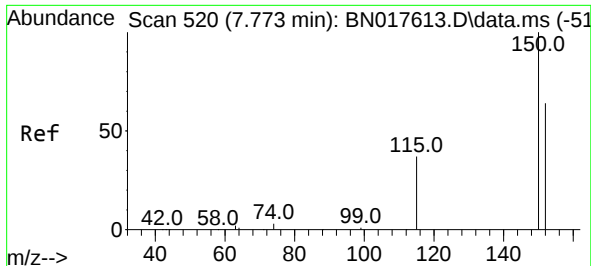
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017645.D
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Instrument :
BNA_N
ClientSampleId :
CS-4B

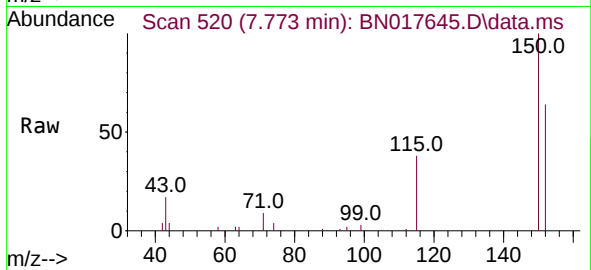
Quant Time: Dec 01 12:07:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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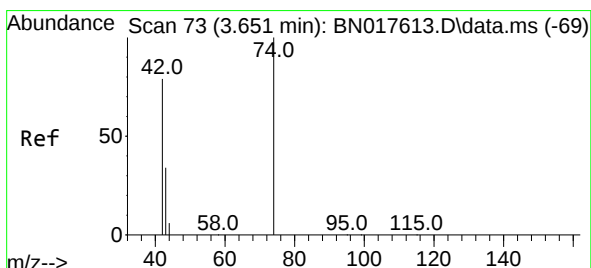
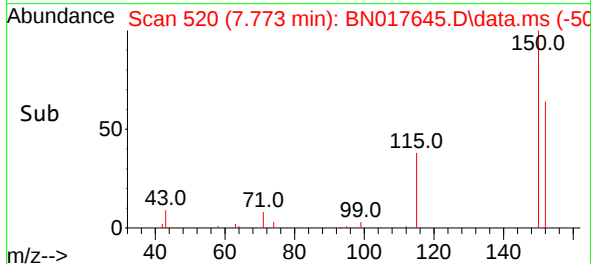
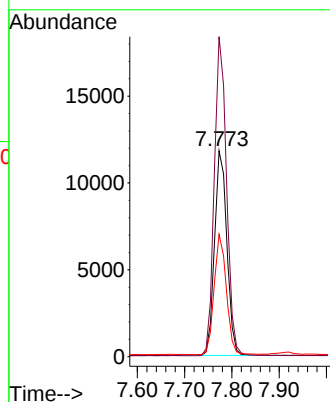


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Instrument :
BNA_N
ClientSampleId :
CS-4B

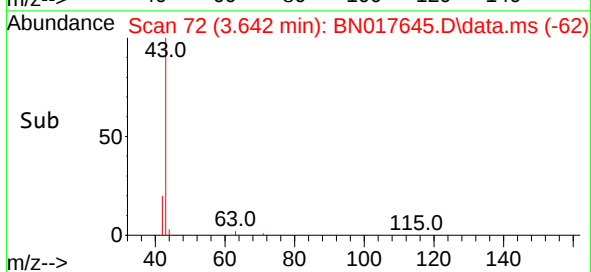
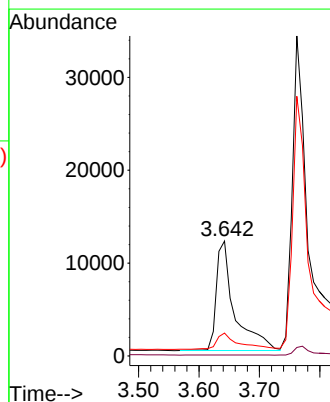
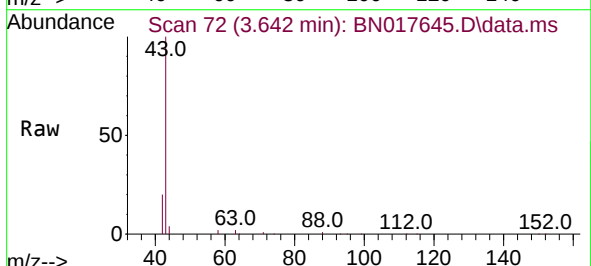


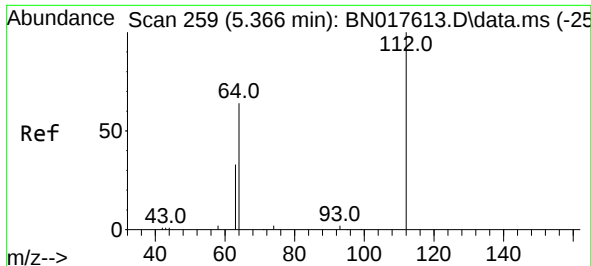
Tgt Ion:152 Resp: 21324
Ion Ratio Lower Upper
152 100
150 155.4 123.0 184.4
115 59.4 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 1.238 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion: 42 Resp: 24772
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 17.6 5.5 8.3#

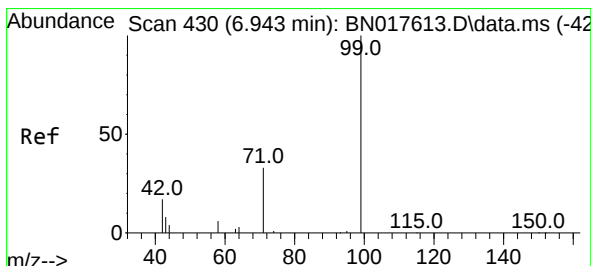
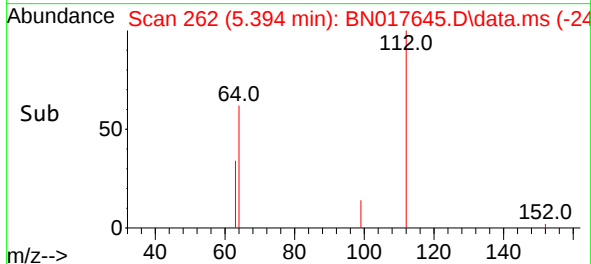
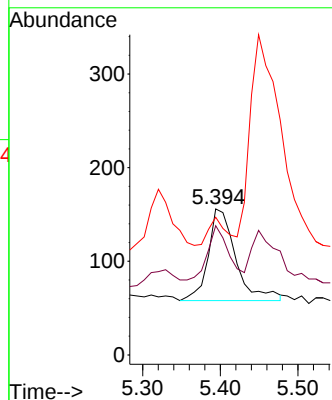
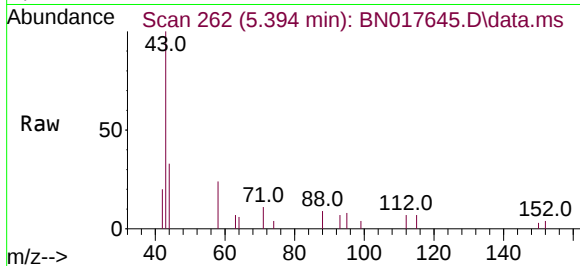




#4
2-Fluorophenol
Concen: 0.005 ng
RT: 5.394 min Scan# 210
Delta R.T. 0.028 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

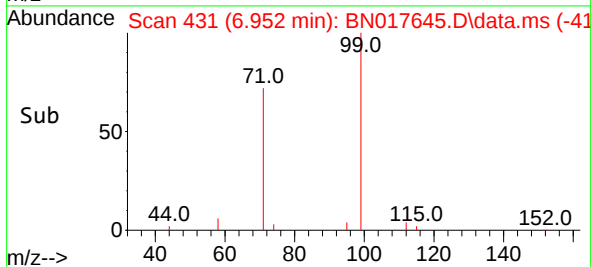
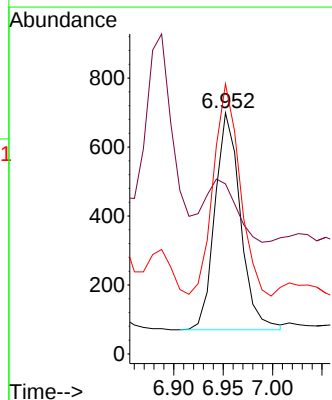
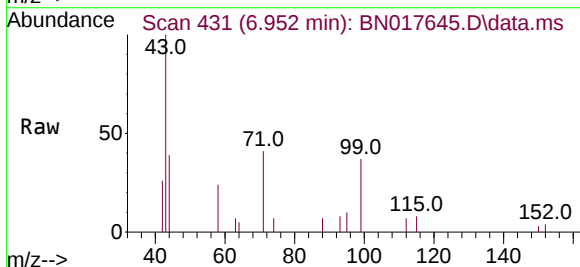
Instrument :
BNA_N
ClientSampleId :
CS-4B

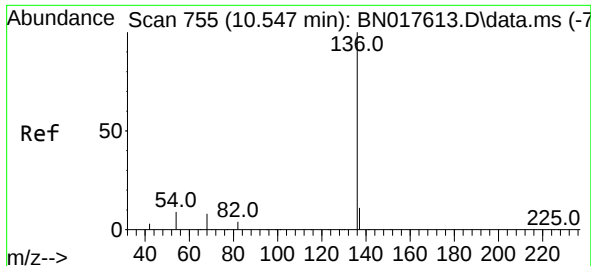
Tgt Ion: 112 Resp: 243
Ion Ratio Lower Upper
112 100
64 44.0 47.6 71.4#
63 19.8 24.6 37.0#



#5
Phenol-d6
Concen: 0.022 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.010 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion: 99 Resp: 1131
Ion Ratio Lower Upper
99 100
42 36.7 17.0 25.6#
71 101.0 24.8 37.2#

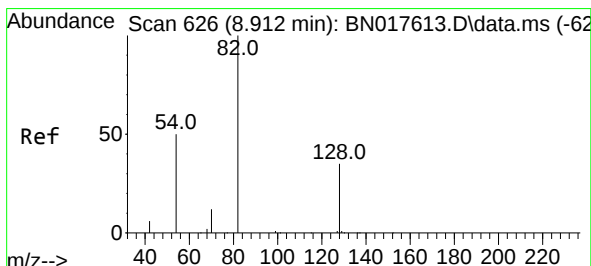
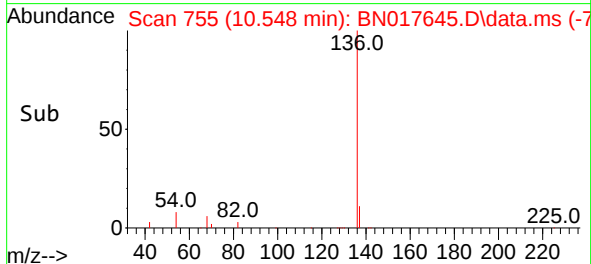
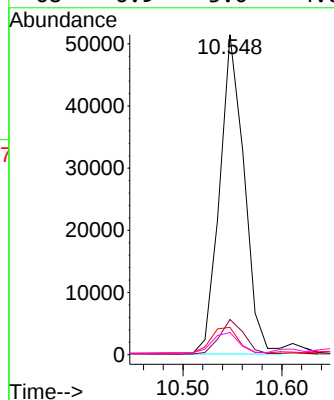
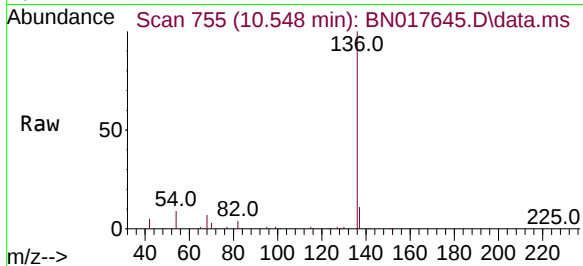




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

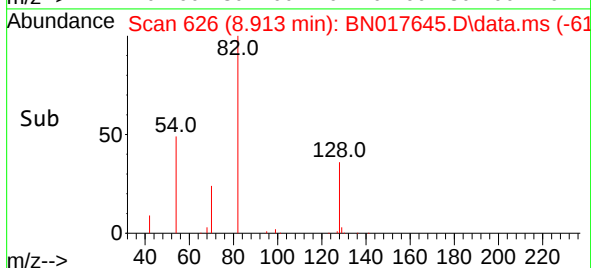
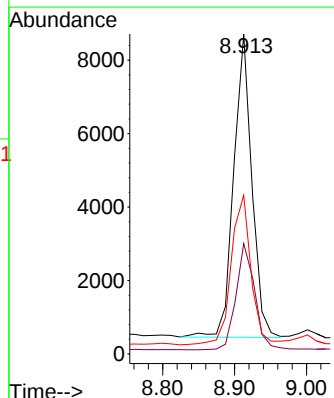
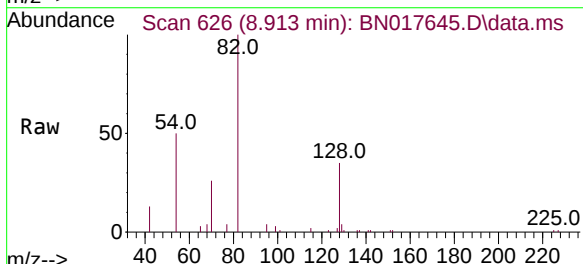
Instrument :
BNA_N
ClientSampleId :
CS-4B

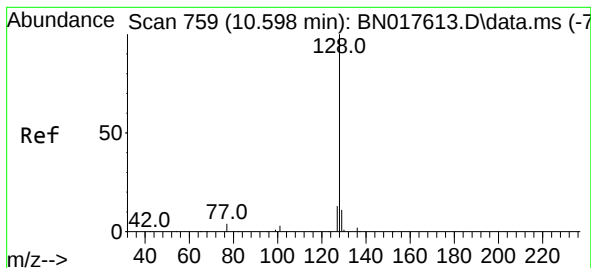
Tgt Ion:136 Resp: 88682
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.6 4.0 6.0#
68 6.9 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion: 82 Resp: 14454
Ion Ratio Lower Upper
82 100
128 34.5 27.7 41.5
54 49.6 49.2 73.8





#9

Naphthalene

Concen: 0.317 ng

RT: 10.598 min Scan# 71

Delta R.T. 0.000 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

Instrument :

BNA_N

ClientSampleId :

CS-4B

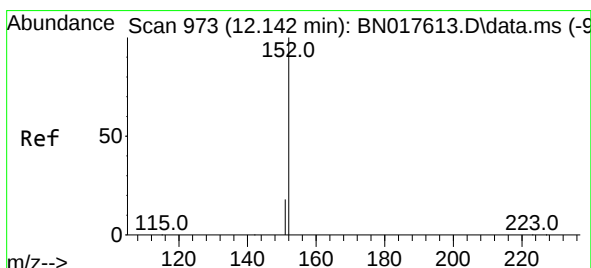
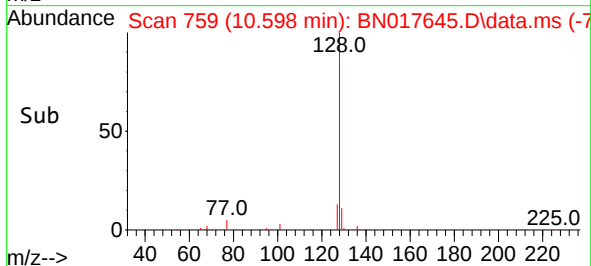
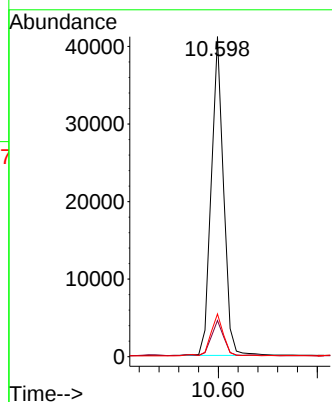
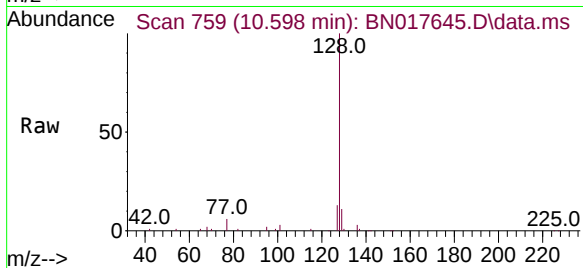
Tgt Ion:128 Resp: 70805

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.4 10.6 15.8



#11

2-Methylnaphthalene-d10

Concen: 0.301 ng

RT: 12.138 min Scan# 972

Delta R.T. -0.004 min

Lab File: BN017645.D

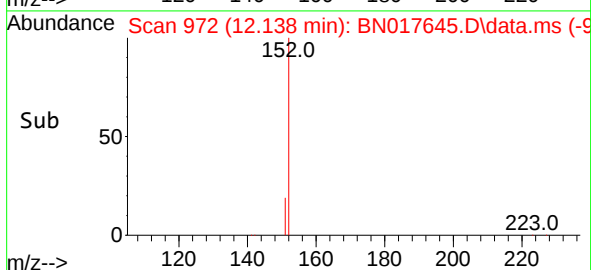
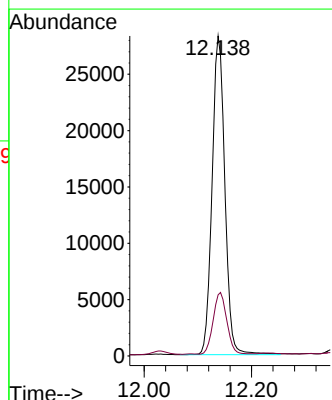
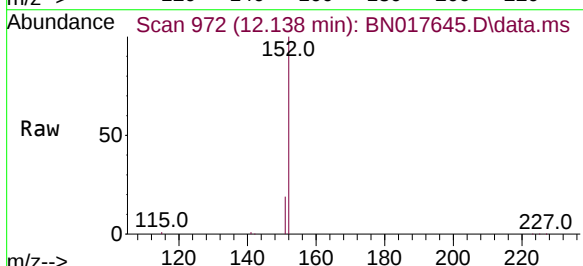
Acq: 01 Dec 2021 11:34

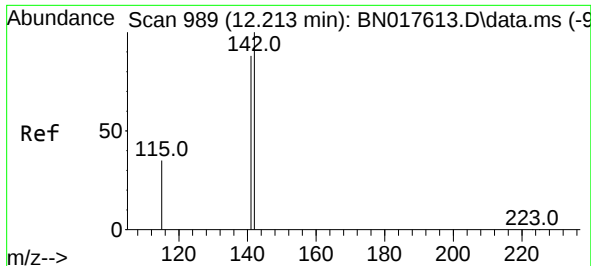
Tgt Ion:152 Resp: 46606

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.221 ng

RT: 12.209 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

Instrument :

BNA_N

ClientSampleId :

CS-4B

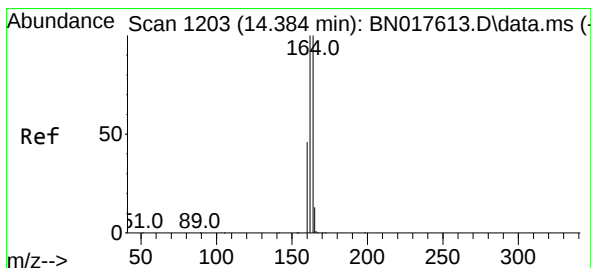
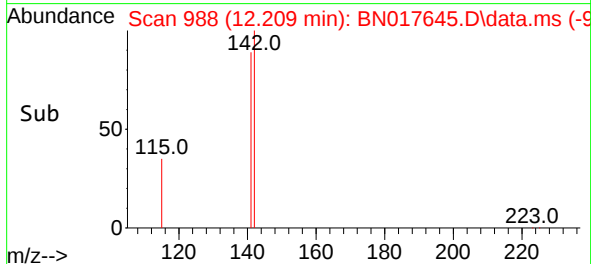
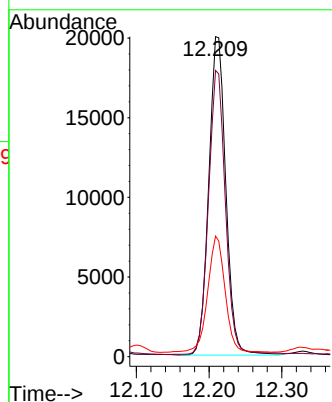
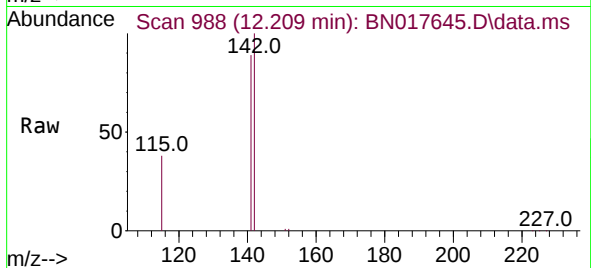
Tgt Ion:142 Resp: 32584

Ion Ratio Lower Upper

142 100

141 89.4 70.6 106.0

115 37.7 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: BN017645.D

Acq: 01 Dec 2021 11:34

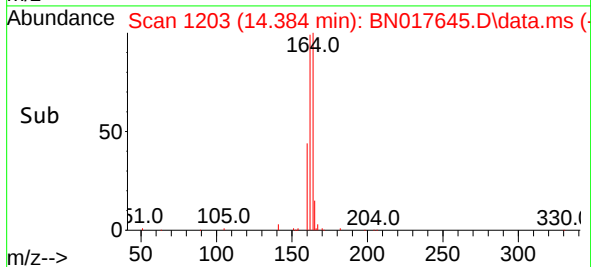
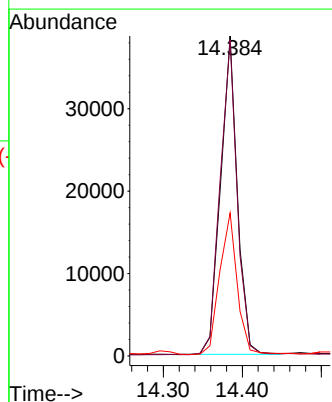
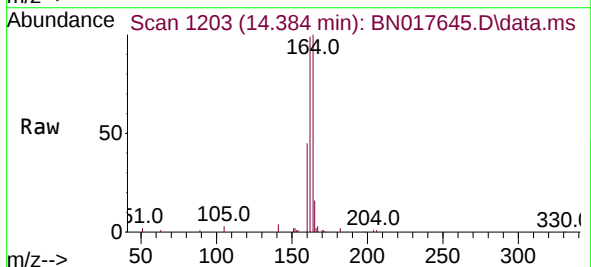
Tgt Ion:164 Resp: 57023

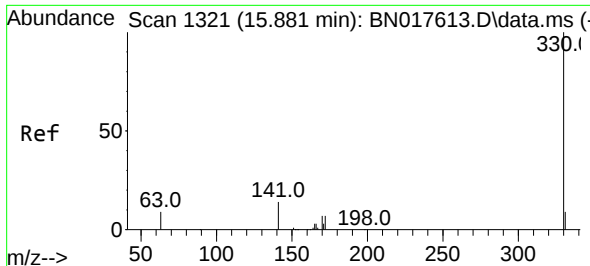
Ion Ratio Lower Upper

164 100

162 98.8 81.4 122.2

160 44.7 36.8 55.2

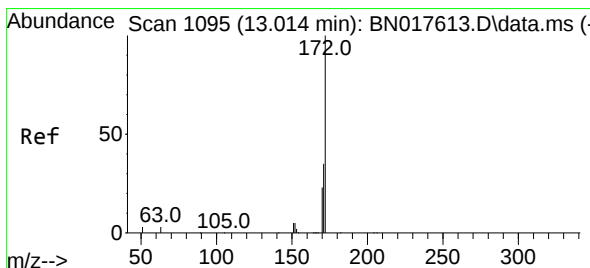
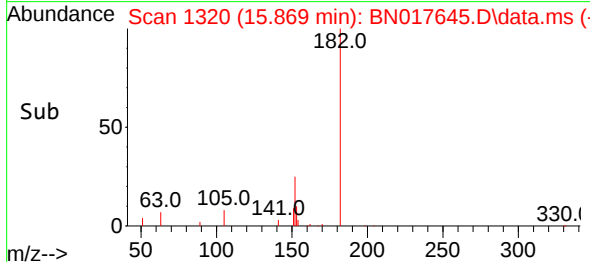
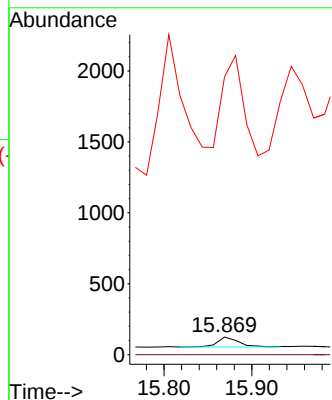
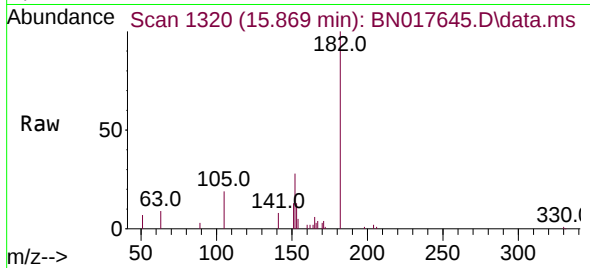




#14
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

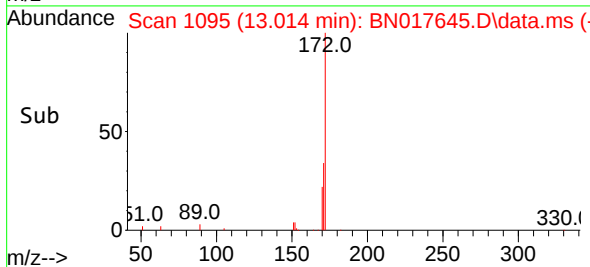
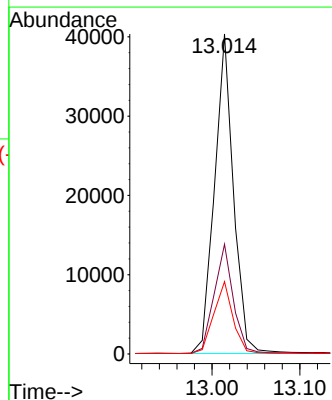
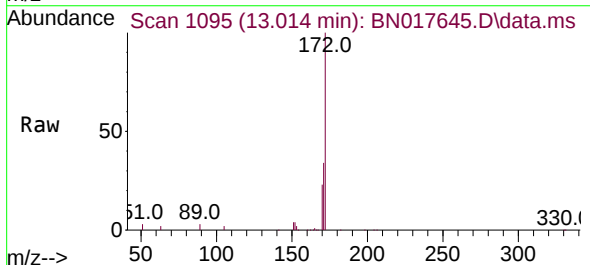
Instrument :
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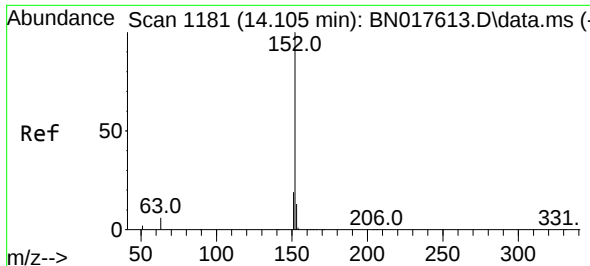
Tgt Ion:330 Resp: 119
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 949.6 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:172 Resp: 60396
Ion Ratio Lower Upper
172 100
171 34.3 28.7 43.1
170 22.6 19.4 29.2

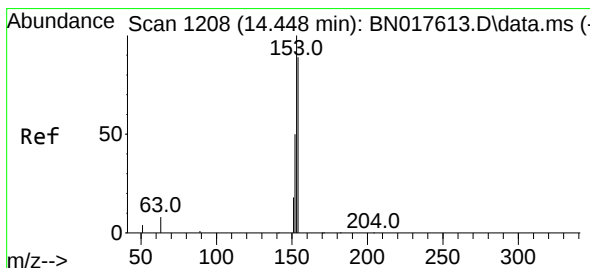
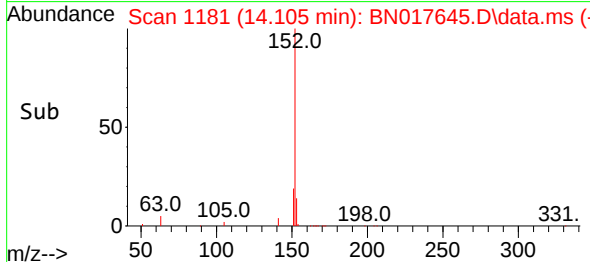
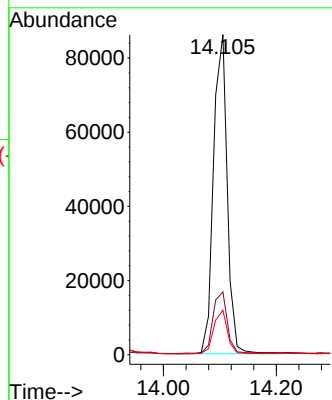
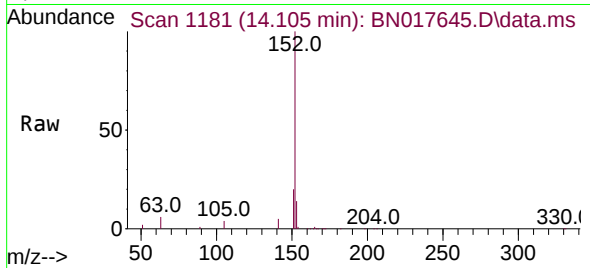




#16
Acenaphthylene
Concen: 0.652 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

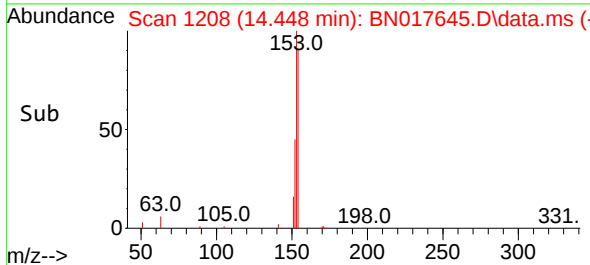
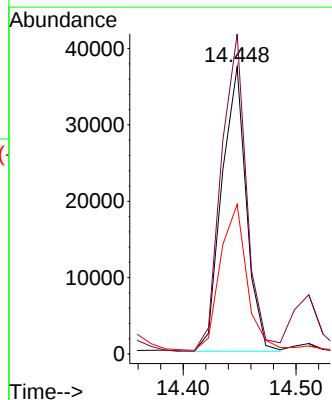
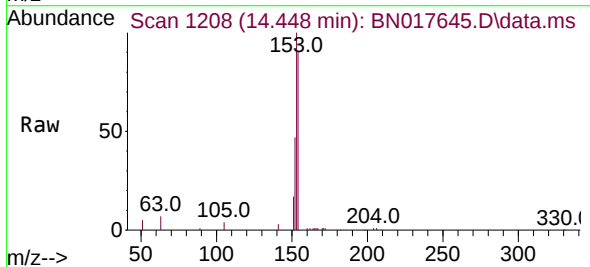
Instrument :
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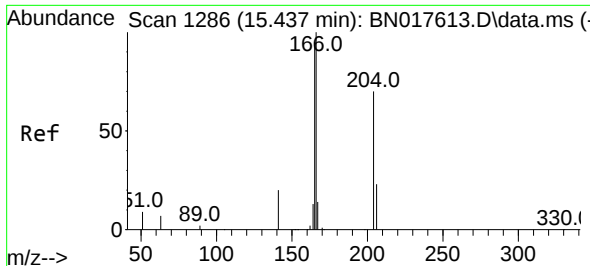
Tgt Ion:152 Resp: 144888
Ion Ratio Lower Upper
152 100
151 20.1 15.5 23.3
153 13.8 10.4 15.6



#17
Acenaphthene
Concen: 0.367 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:154 Resp: 56350
Ion Ratio Lower Upper
154 100
153 115.2 91.2 136.8
152 58.2 44.3 66.5

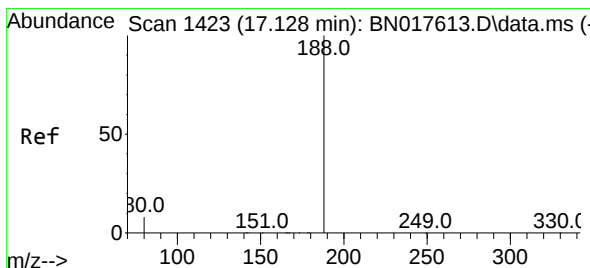
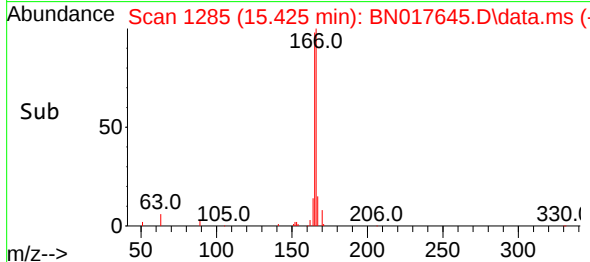
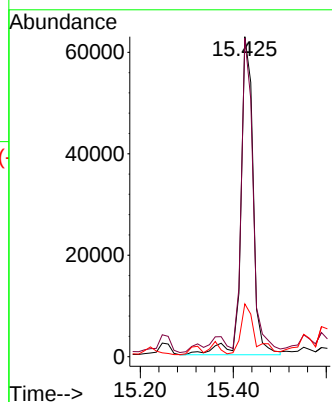
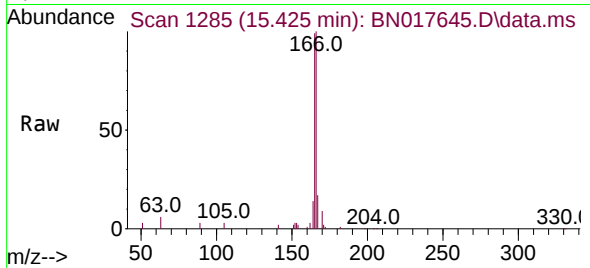




#18
Fluorene
Concen: 0.614 ng
RT: 15.425 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

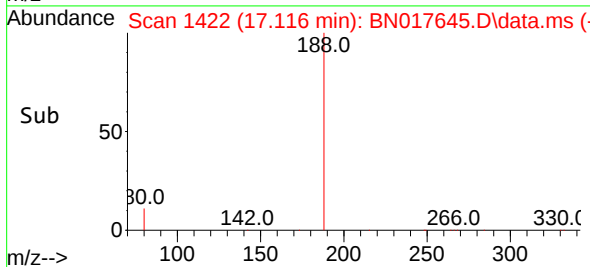
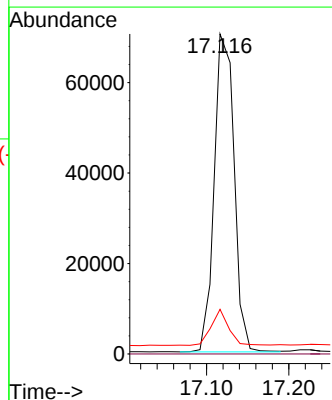
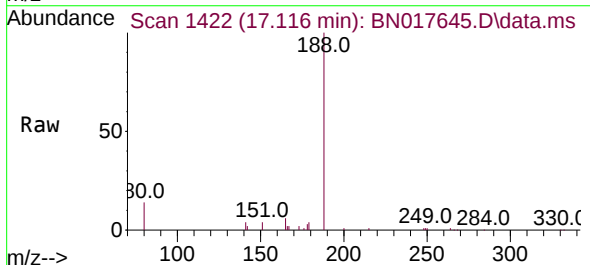
Instrument :
BNA_N
ClientSampleId :
CS-4B

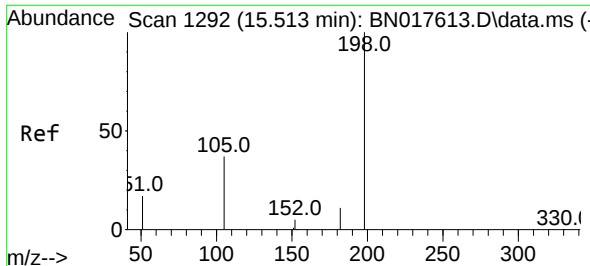
Tgt Ion:166 Resp: 114715
Ion Ratio Lower Upper
166 100
165 90.4 77.9 116.9
167 17.7 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:188 Resp: 118016
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.9 6.1 9.1#

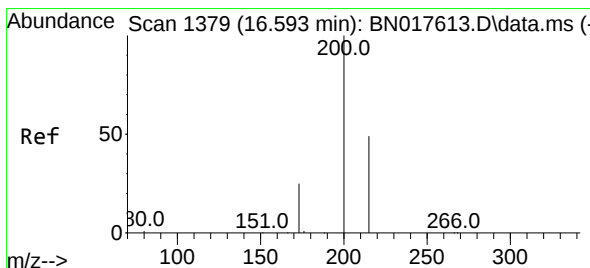
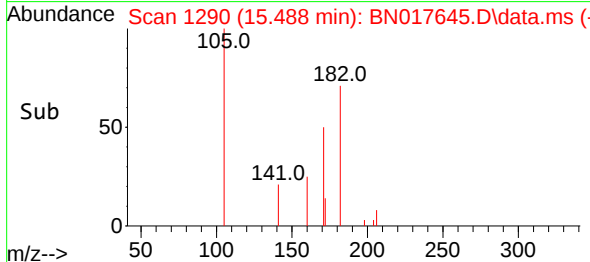
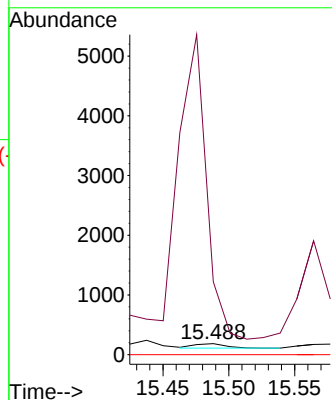
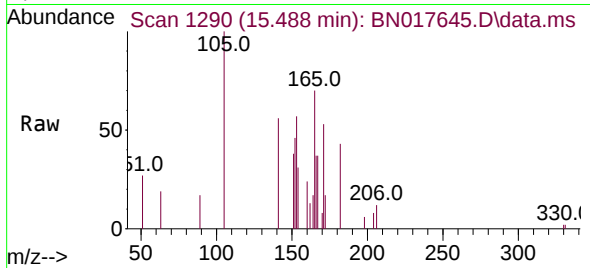




#20
4,6-Dinitro-2-methylphenol
Concen: 0.081 ng
RT: 15.488 min Scan# 1290
Delta R.T. -0.025 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

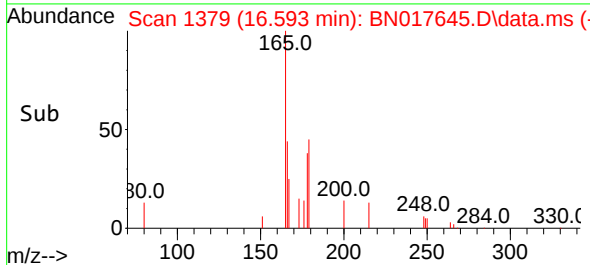
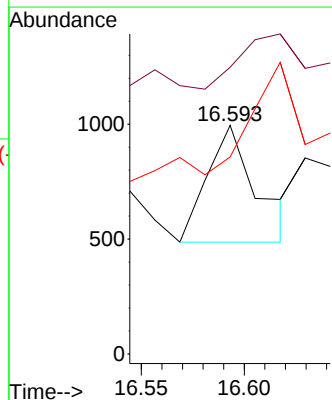
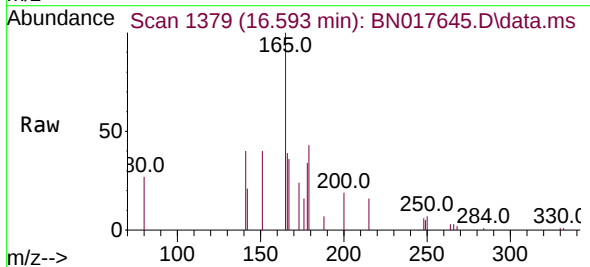
Instrument :
BNA_N
ClientSampleId :
CS-4B

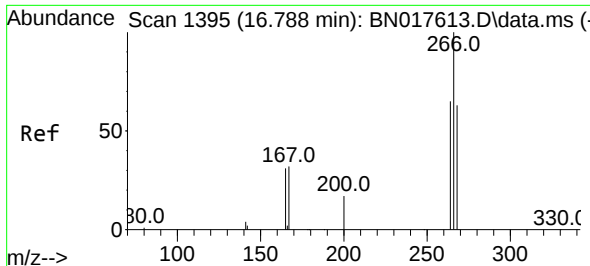
Tgt Ion:198 Resp: 126
Ion Ratio Lower Upper
198 100
182 662.5 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.146 ng
RT: 16.593 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:200 Resp: 842
Ion Ratio Lower Upper
200 100
173 125.4 17.6 26.4#
215 86.1 40.2 60.4#

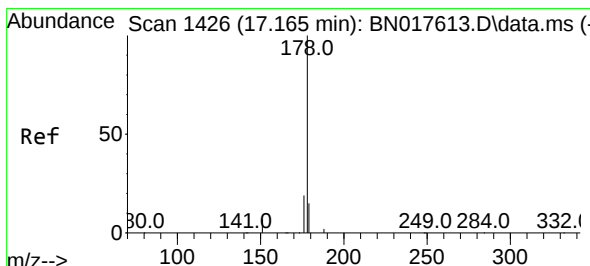
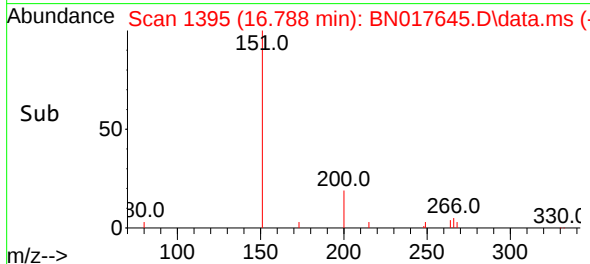
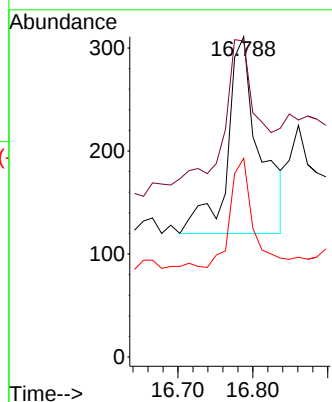
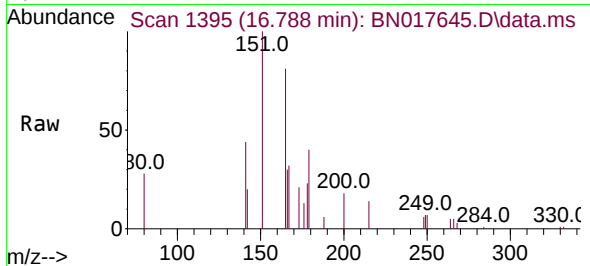




#24
 Pentachlorophenol
 Concen: 0.205 ng
 RT: 16.788 min Scan# 1395
 Delta R.T. -0.000 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

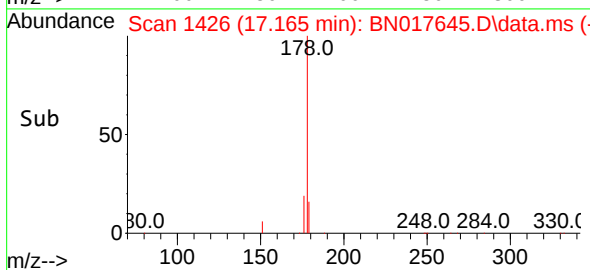
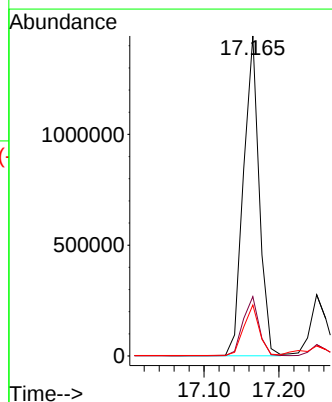
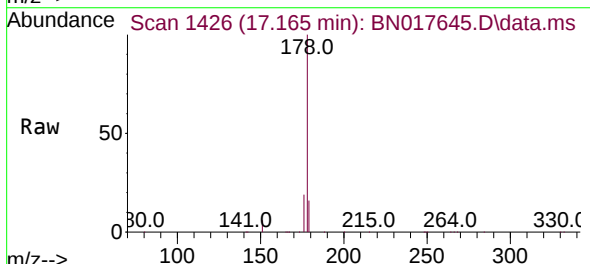
Instrument :
 BNA_N
 ClientSampleId :
 CS-4B

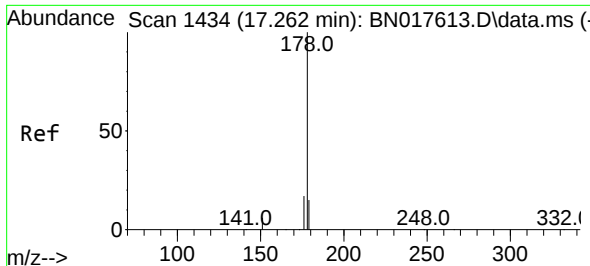
Tgt Ion:266 Resp: 570
 Ion Ratio Lower Upper
 266 100
 264 66.5 49.8 74.8
 268 38.8 51.3 76.9#



#25
 Phenanthrene
 Concen: 6.497 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

Tgt Ion:178 Resp: 2102864
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 15.9 12.3 18.5

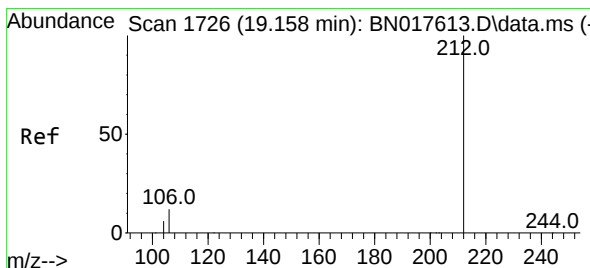
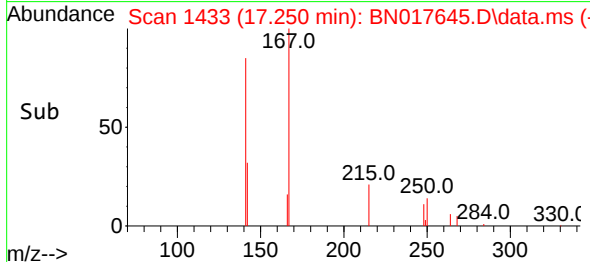
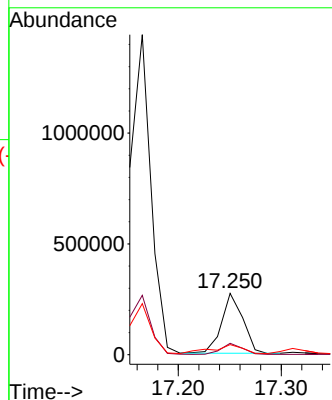
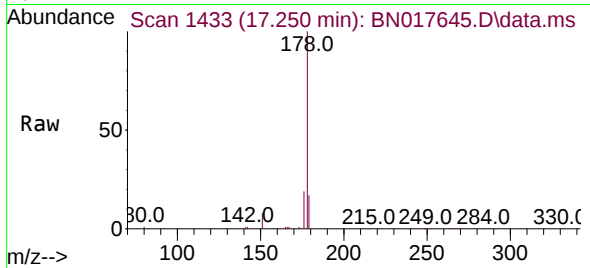




#26
 Anthracene
 Concen: 1.390 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

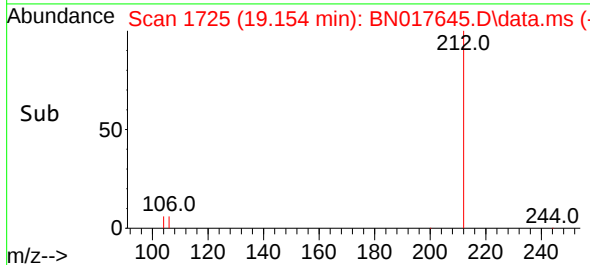
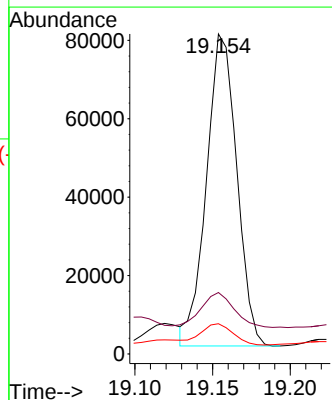
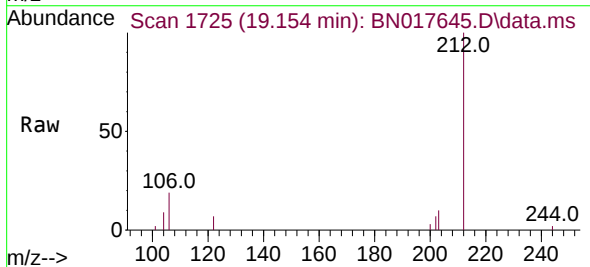
Instrument :
 BNA_N
 ClientSampleId :
 CS-4B

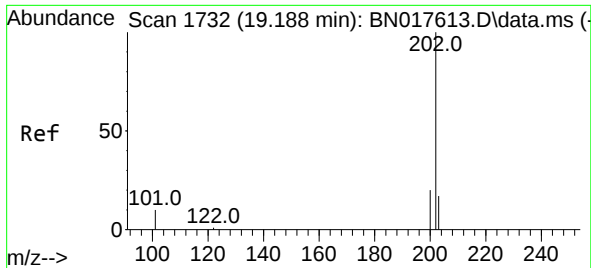
Tgt Ion:178 Resp: 386648
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 21.7 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.293 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

Tgt Ion:212 Resp: 108276
 Ion Ratio Lower Upper
 212 100
 106 12.2 10.5 15.7
 104 7.4 5.8 8.6

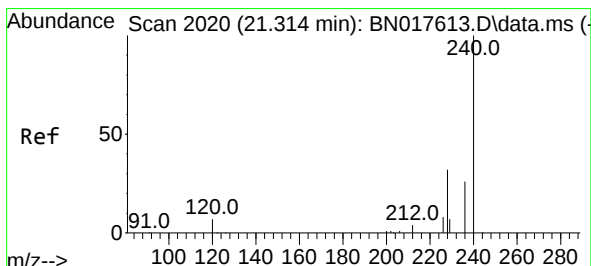
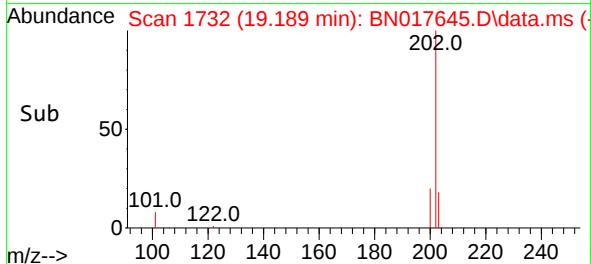
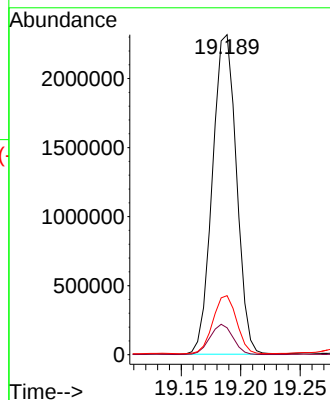
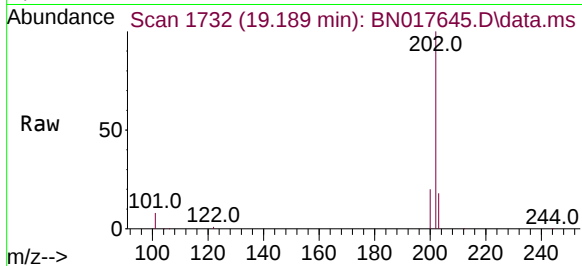




#28
Fluoranthene
Concen: 8.882 ng
RT: 19.189 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

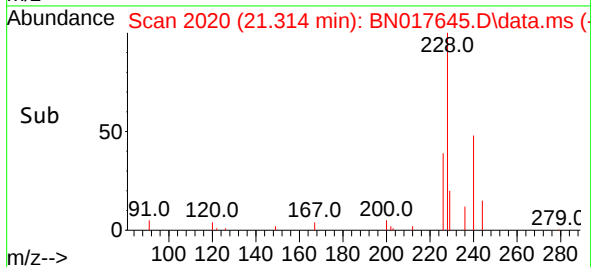
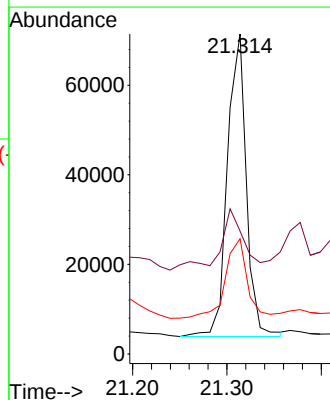
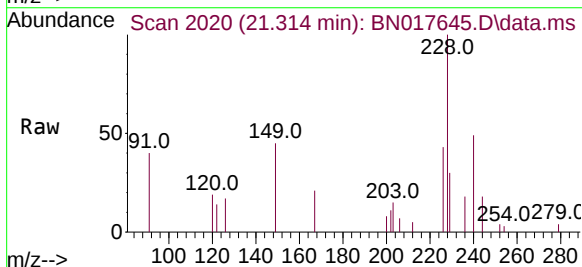
Instrument :
BNA_N
ClientSampleId :
CS-4B

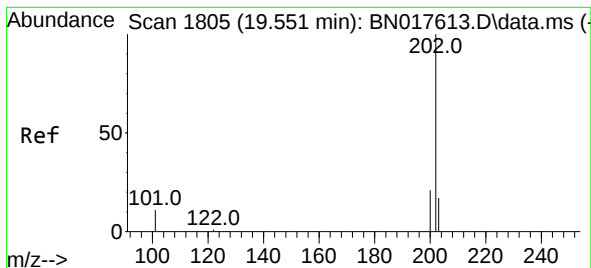
Tgt Ion:202 Resp: 3253448
Ion Ratio Lower Upper
202 100
101 9.0 8.9 13.3
203 17.8 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:240 Resp: 94049
Ion Ratio Lower Upper
240 100
120 38.4 4.2 6.2#
236 36.0 20.0 30.0#





#30

Pyrene

Concen: 8.997 ng

RT: 19.546 min Scan# 1804

Delta R.T. -0.005 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

Instrument :

BNA_N

ClientSampleId :

CS-4B

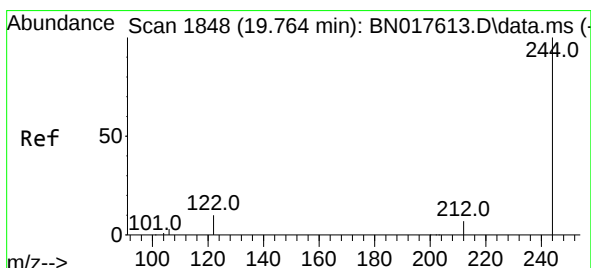
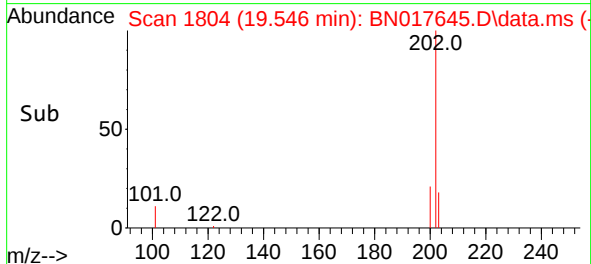
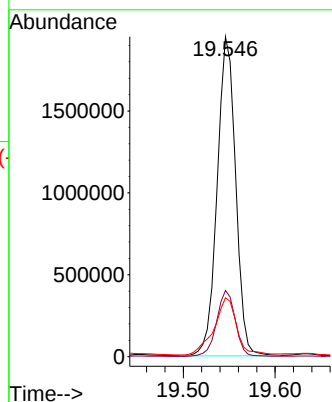
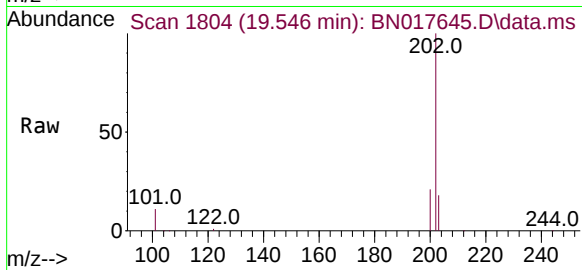
Tgt Ion:202 Resp: 2731341

Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

203 21.9 14.0 21.0#



#31

Terphenyl-d14

Concen: 0.377 ng

RT: 19.759 min Scan# 1847

Delta R.T. -0.005 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

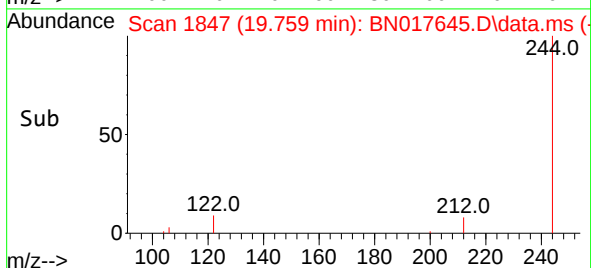
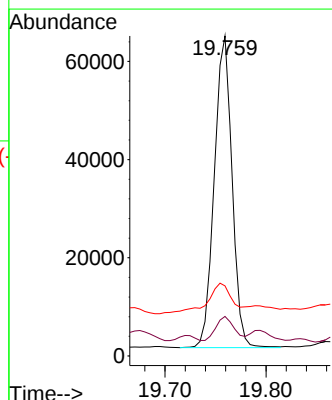
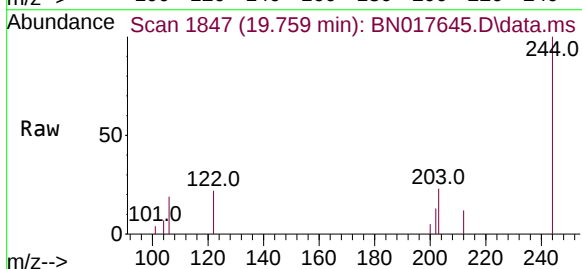
Tgt Ion:244 Resp: 77720

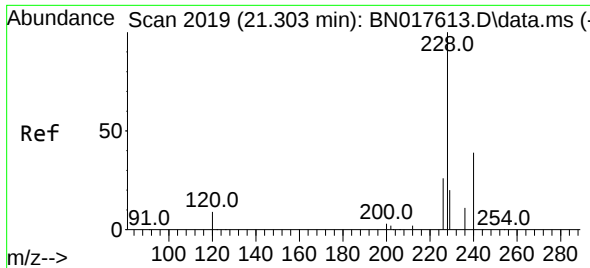
Ion Ratio Lower Upper

244 100

212 12.4 5.7 8.5#

122 21.9 8.6 13.0#

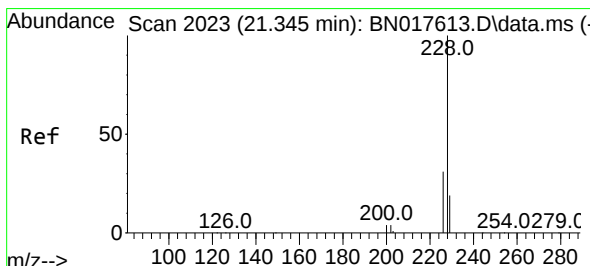
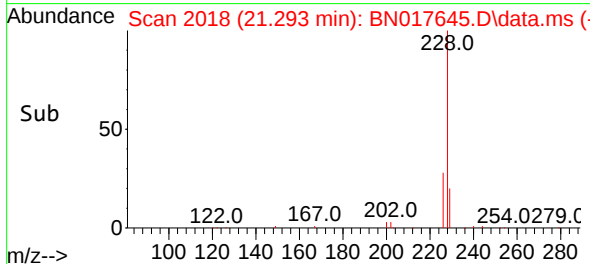
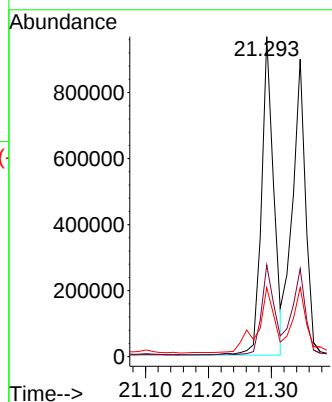
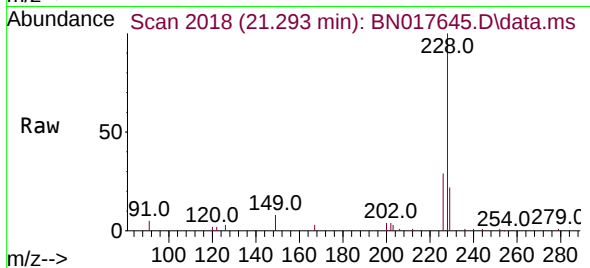




#32
Benzo(a)anthracene
Concen: 4.556 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

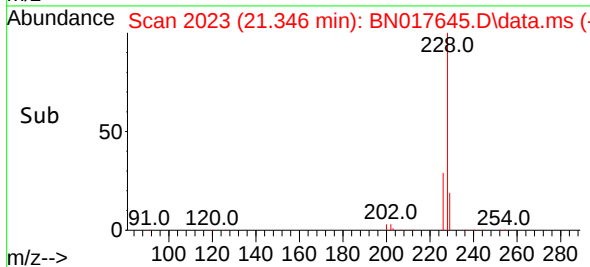
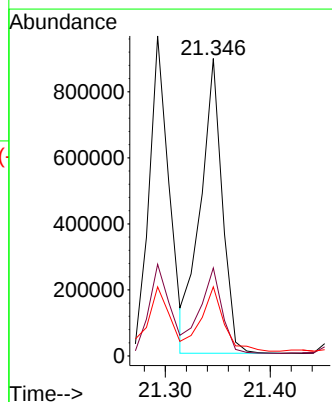
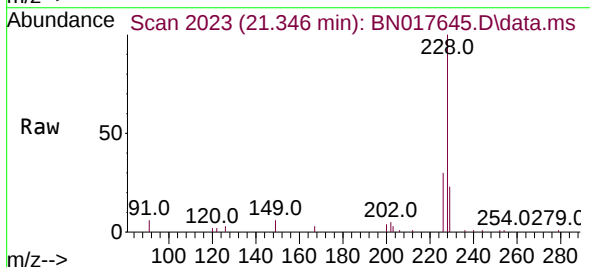
Instrument :
BNA_N
ClientSampleId :
CS-4B

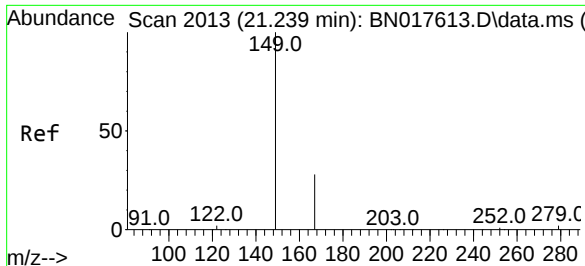
Tgt Ion:228 Resp: 1301449
Ion Ratio Lower Upper
228 100
226 28.6 21.3 31.9
229 21.6 15.7 23.5



#33
Chrysene
Concen: 4.146 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:228 Resp: 1288365
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 23.2 15.6 23.4

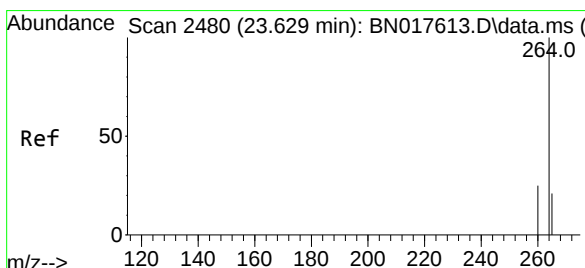
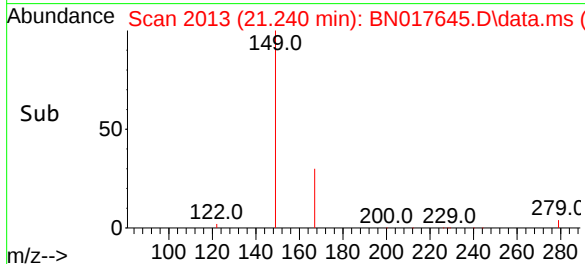
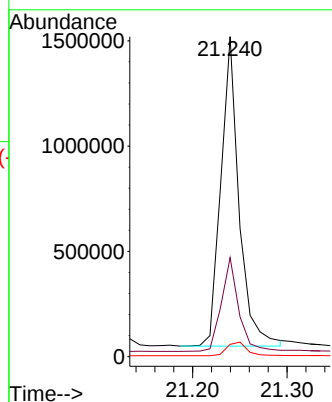
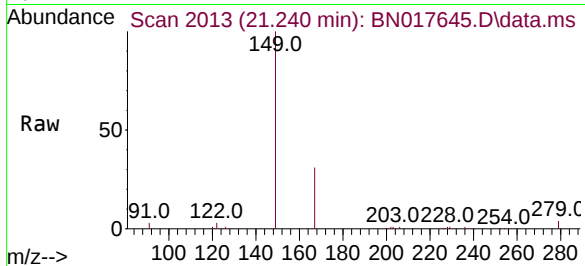




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 29.016 ng
 RT: 21.240 min Scan# 2013
 Delta R.T. 0.001 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

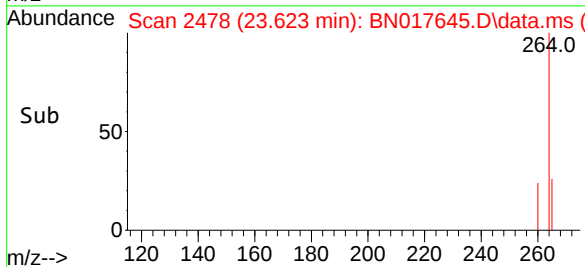
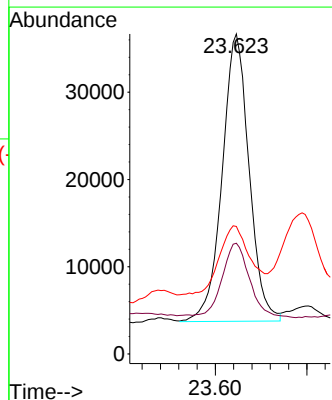
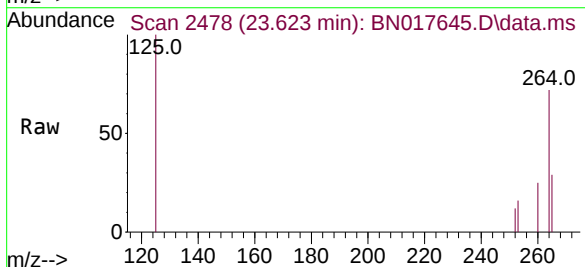
Instrument :
 BNA_N
 ClientSampleId :
 CS-4B

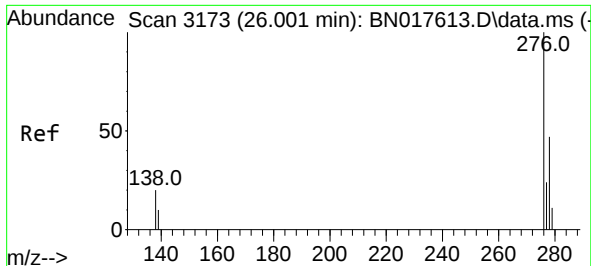
Tgt Ion:149 Resp: 1966129
 Ion Ratio Lower Upper
 149 100
 167 28.9 21.8 32.6
 279 4.9 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.623 min Scan# 2478
 Delta R.T. -0.007 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

Tgt Ion:264 Resp: 67294
 Ion Ratio Lower Upper
 264 100
 260 34.6 19.4 29.2#
 265 39.8 18.6 28.0#

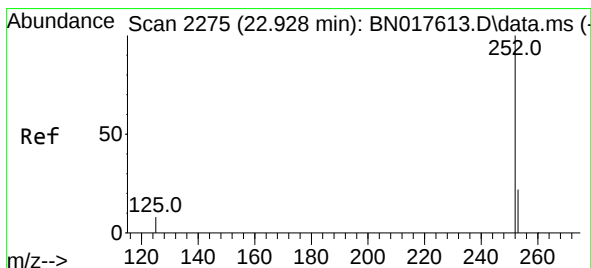
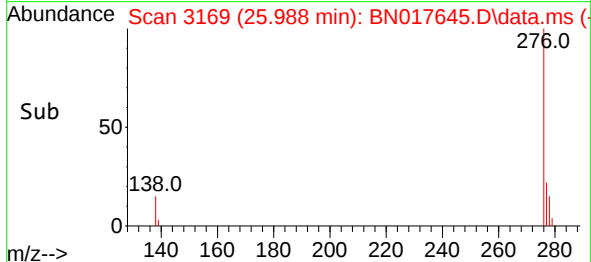
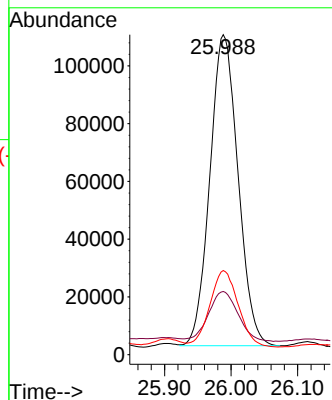
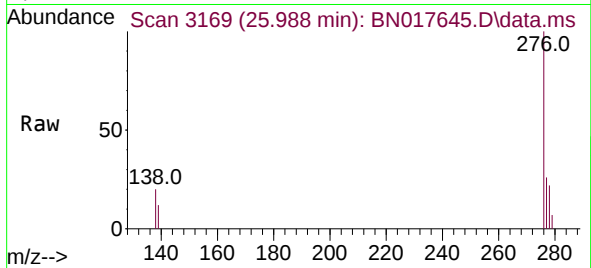




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.452 ng
 RT: 25.988 min Scan# 3173
 Delta R.T. -0.013 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

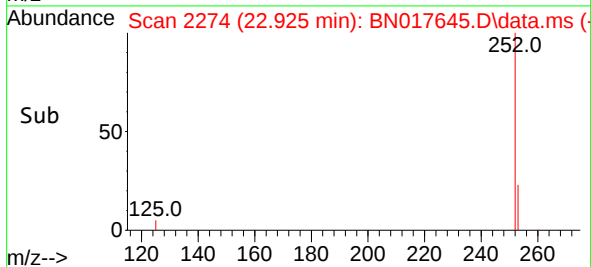
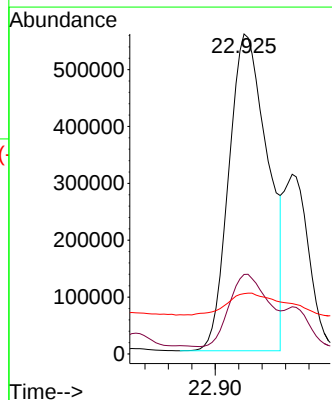
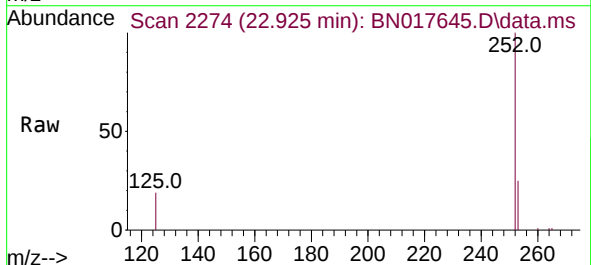
Instrument :
 BNA_N
 ClientSampleId :
 CS-4B

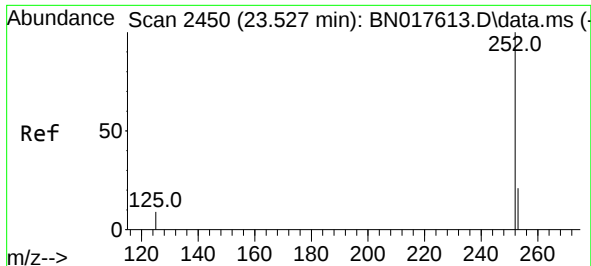
Tgt Ion:276 Resp: 317197
 Ion Ratio Lower Upper
 276 100
 138 16.8 19.7 29.5#
 277 24.9 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 5.771 ng
 RT: 22.925 min Scan# 2274
 Delta R.T. -0.003 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

Tgt Ion:252 Resp: 1287848
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.7 26.5
 125 18.9 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 3.636 ng

RT: 23.520 min Scan# 24

Delta R.T. -0.007 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

Instrument :

BNA_N

ClientSampleId :

CS-4B

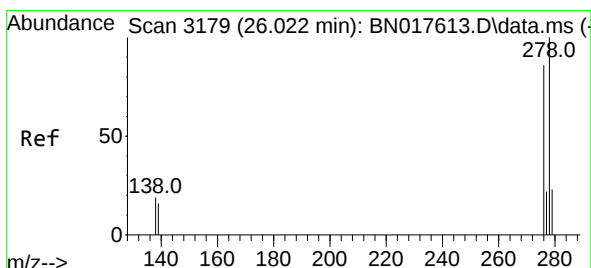
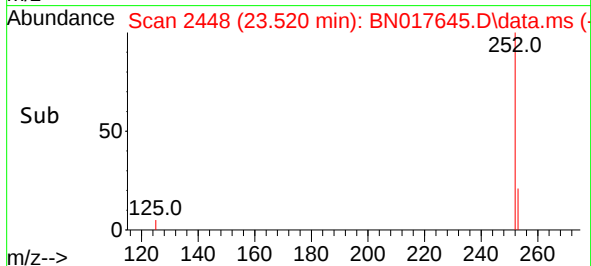
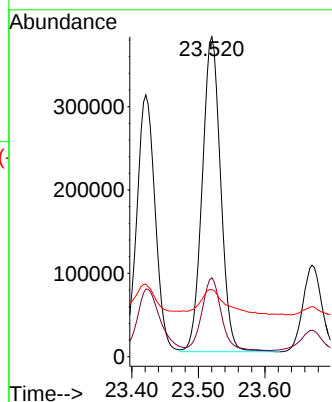
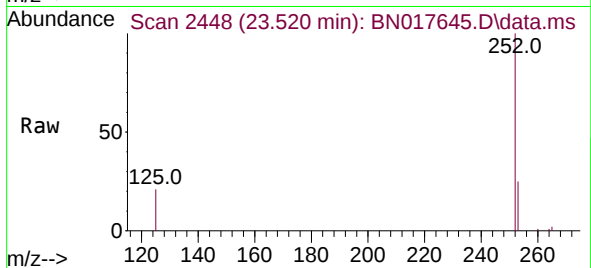
Tgt Ion:252 Resp: 726318

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

125 20.9 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.455 ng

RT: 26.002 min Scan# 3173

Delta R.T. -0.020 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

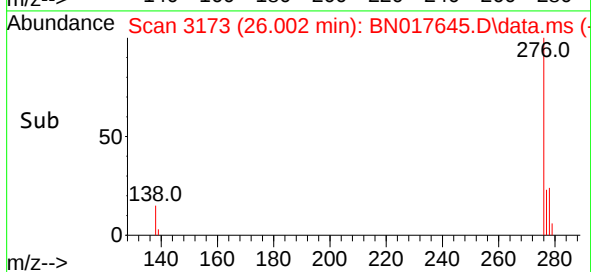
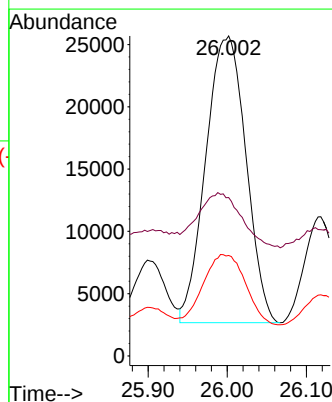
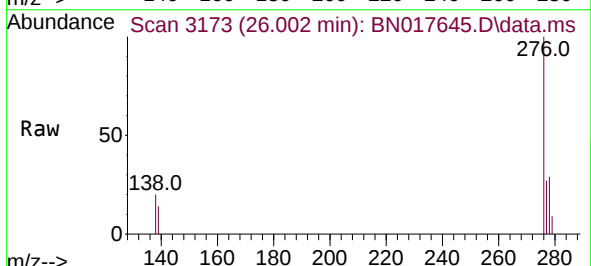
Tgt Ion:278 Resp: 81182

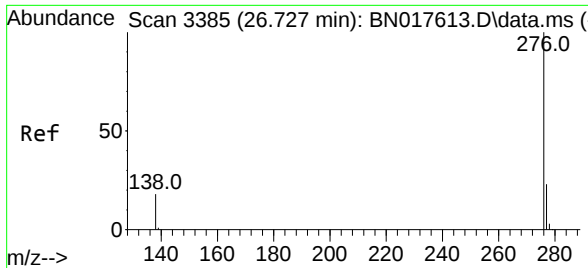
Ion Ratio Lower Upper

278 100

139 49.5 13.0 19.6#

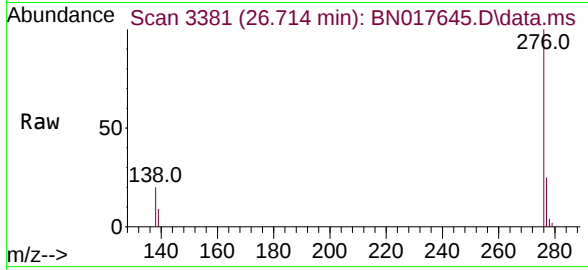
279 31.4 19.2 28.8#





#41
 Benzo(g,h,i)perylene
 Concen: 1.491 ng
 RT: 26.714 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

Instrument :
 BNA_N
 ClientSampleId :
 CS-4B



Tgt Ion: 276 Resp: 273990

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	19.9	17.1	25.7

