

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017627.D
 Acq On : 01 Dec 2021 00:12
 Operator : CG/JU
 Sample : M4862-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-2A

Quant Time: Dec 01 03:16:08 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)

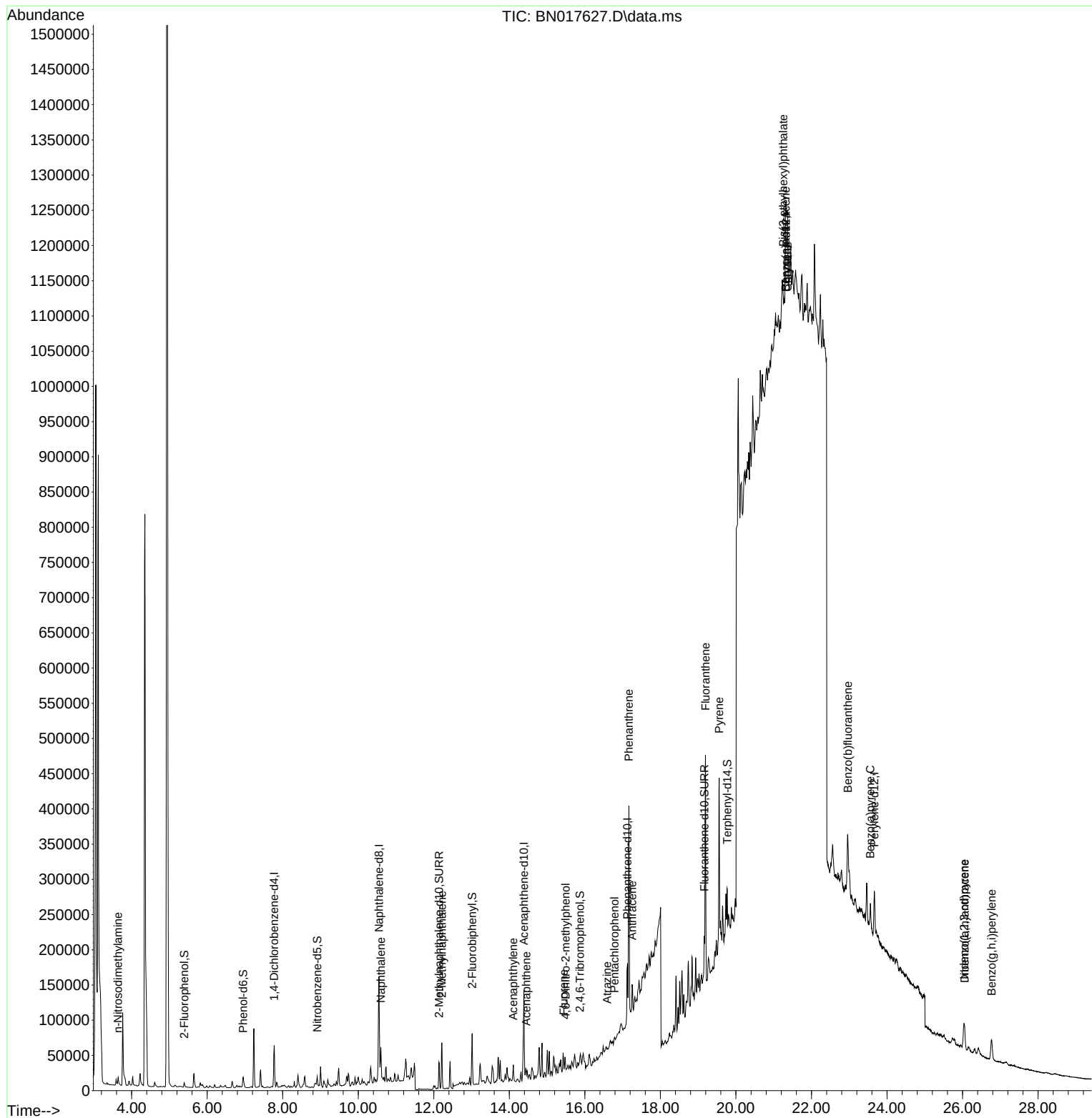
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	26729	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	111601	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	68249	0.400	ng	0.00
19) Phenanthrene-d10	17.129	188	125888	0.400	ng	# 0.00
29) Chrysene-d12	21.324	240	83093	0.400	ng	# 0.01
35) Perylene-d12	23.664	264	91417	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	5025	0.083	ng	0.03
5) Phenol-d6	6.952	99	12210	0.190	ng	0.00
8) Nitrobenzene-d5	8.913	82	13004	0.274	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	48514	0.249	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	231	0.130	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	62127	0.234	ng	0.00
27) Fluoranthene-d10	19.164	212	81901	0.208	ng	0.00
31) Terphenyl-d14	19.769	244	55625	0.305	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.642	42	3113	0.124	ng	# 1
9) Naphthalene	10.598	128	62226	0.221	ng	99
12) 2-Methylnaphthalene	12.213	142	46685	0.251	ng	98
16) Acenaphthylene	14.105	152	15220	0.057	ng	# 65
17) Acenaphthene	14.448	154	4393	0.024	ng	# 58
18) Fluorene	15.437	166	10676	0.048	ng	# 67
20) 4,6-Dinitro-2-methylph...	15.488	198	449	0.137	ng	# 1
23) Atrazine	16.593	200	349	0.137	ng	# 1
24) Pentachlorophenol	16.788	266	312	0.199	ng	# 1
25) Phenanthrene	17.165	178	315607	0.914	ng	# 95
26) Anthracene	17.250	178	47091	0.159	ng	# 93
28) Fluoranthene	19.193	202	310656	0.795	ng	97
30) Pyrene	19.556	202	265282	0.989	ng	97
32) Benzo(a)anthracene	21.314	228	120938	0.479	ng	# 16
33) Chrysene	21.367	228	184137	0.671	ng	# 42
34) Bis(2-ethylhexyl)phtha...	21.250	149	62068	1.037	ng	# 73
36) Indeno(1,2,3-cd)pyrene	26.043	276	64197	0.216	ng	97
37) Benzo(b)fluoranthene	22.962	252	114337	0.377	ng	# 1
39) Benzo(a)pyrene	23.561	252	57483	0.212	ng	# 1
40) Dibenzo(a,h)anthracene	26.056	278	22900	0.094	ng	# 1
41) Benzo(g,h,i)perylene	26.772	276	64753	0.259	ng	# 47

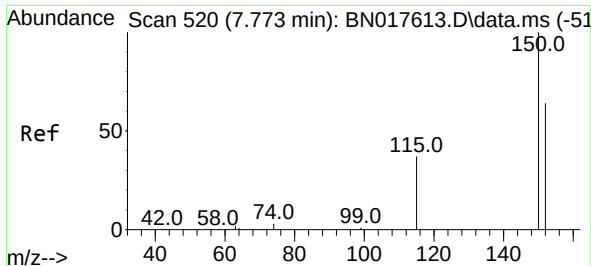
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017627.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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BNA_N
ClientSampleId :
CS-2A

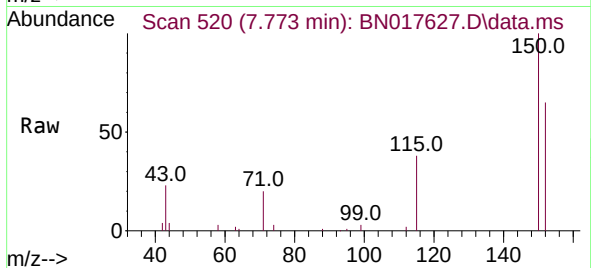
Quant Time: Dec 01 03:16:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 30 18:26:44 2021
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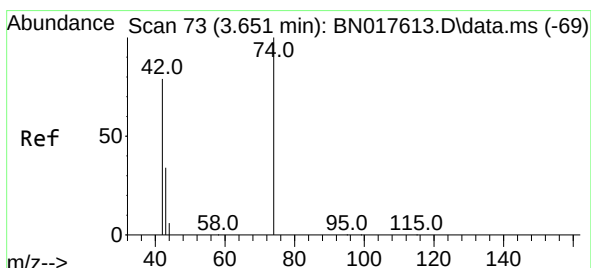
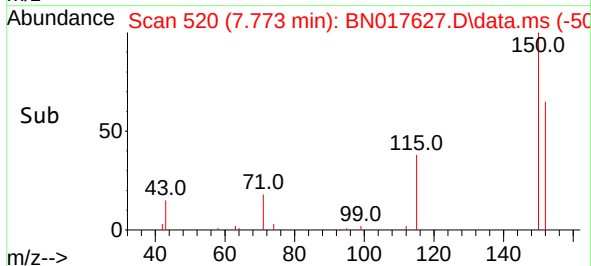
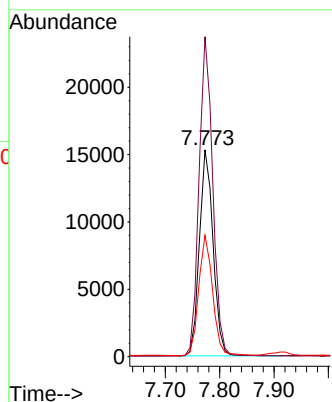


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Instrument :
BNA_N
ClientSampleId :
CS-2A

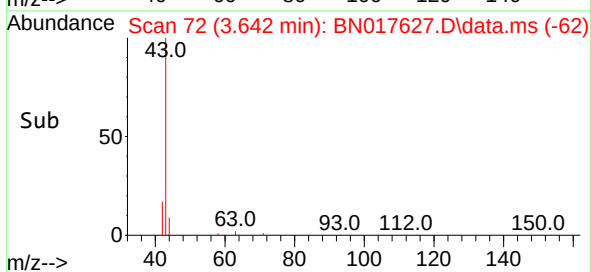
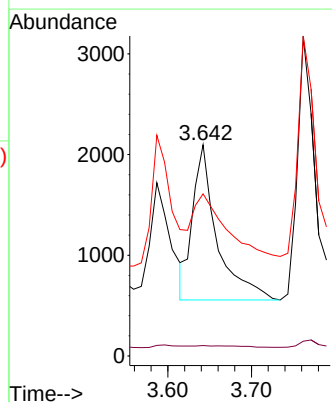
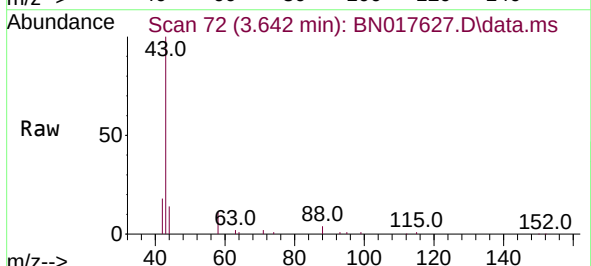


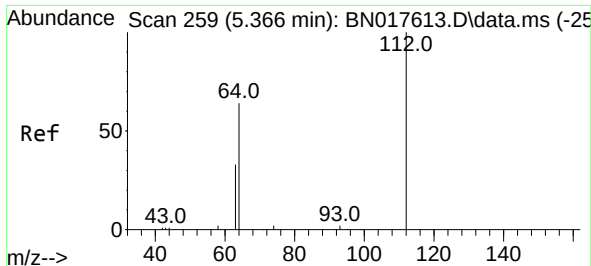
Tgt Ion:152 Resp: 26729
Ion Ratio Lower Upper
152 100
150 154.6 123.0 184.4
115 58.6 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.124 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion: 42 Resp: 3113
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 54.9 5.5 8.3#

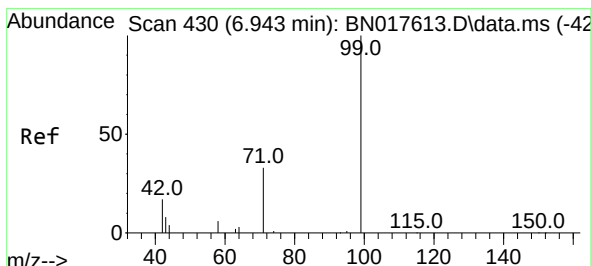
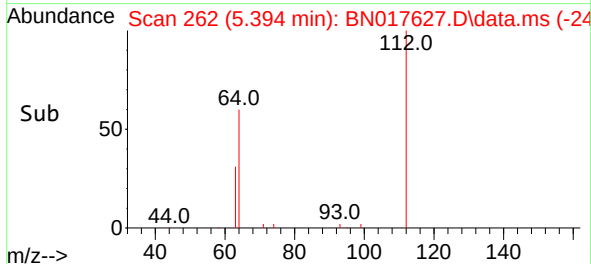
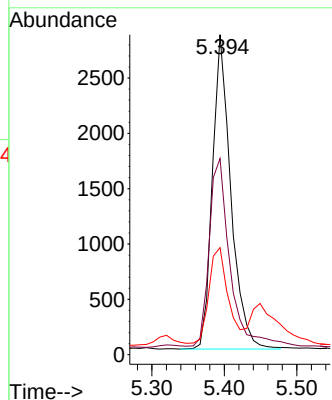
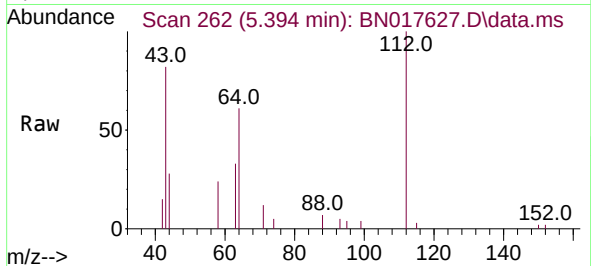




#4
2-Fluorophenol
Concen: 0.083 ng
RT: 5.394 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

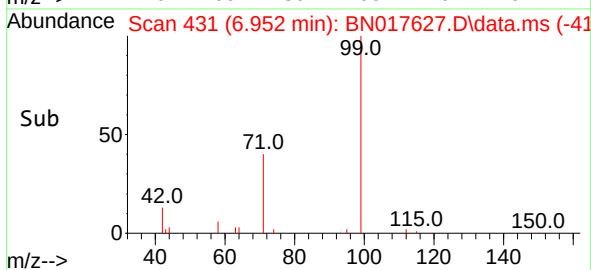
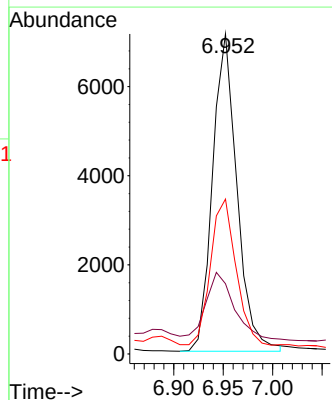
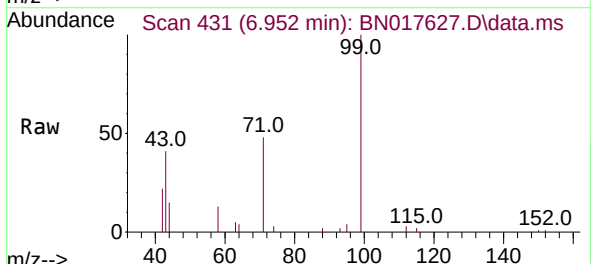
Instrument :
BNA_N
ClientSampleId :
CS-2A

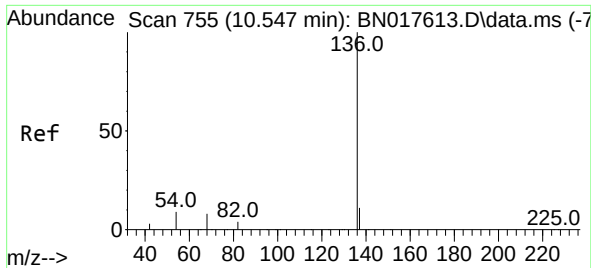
Tgt Ion:112 Resp: 5025
Ion Ratio Lower Upper
112 100
64 66.0 47.6 71.4
63 31.0 24.6 37.0



#5
Phenol-d6
Concen: 0.190 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion: 99 Resp: 12210
Ion Ratio Lower Upper
99 100
42 24.0 17.0 25.6
71 48.1 24.8 37.2#

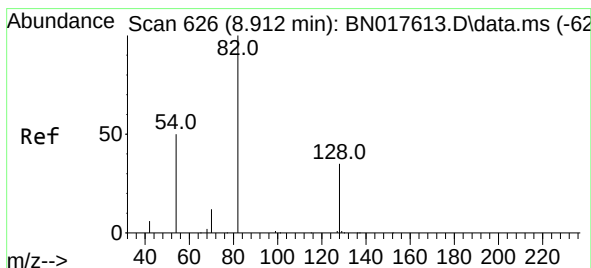
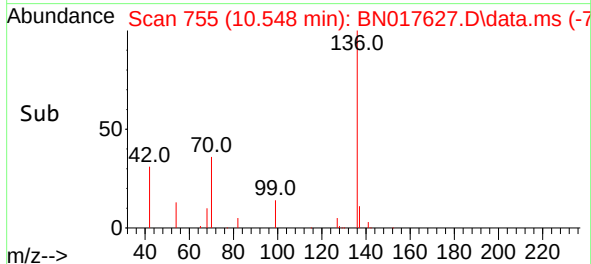
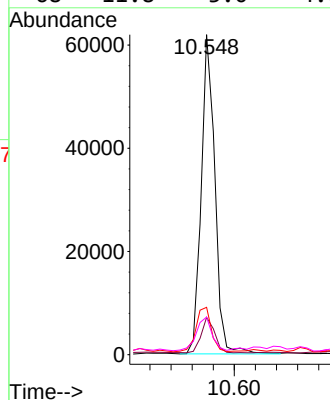
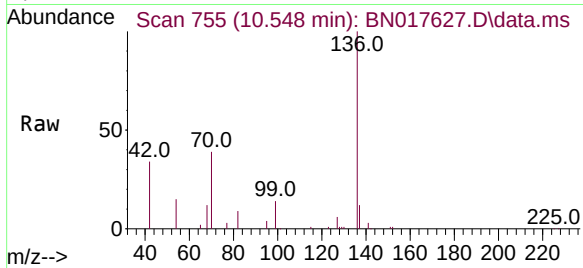




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 71
Delta R.T. 0.001 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

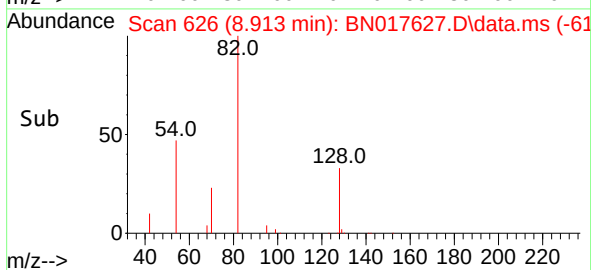
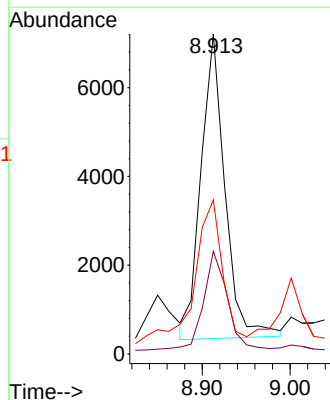
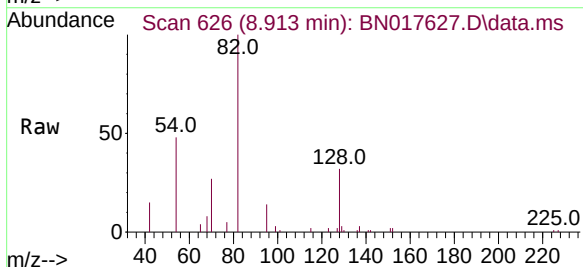
Instrument :
BNA_N
ClientSampleId :
CS-2A

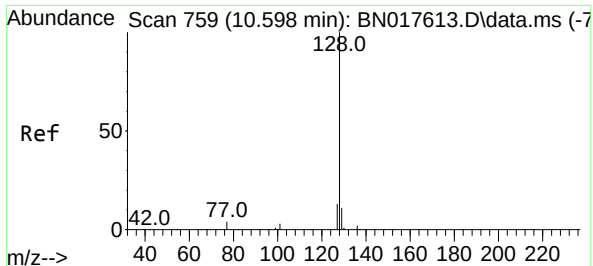
Tgt Ion:	136	Resp:	111601
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.8	13.2
54	14.8	4.0	6.0#
68	11.8	3.0	4.6#



#8
Nitrobenzene-d5
Concen: 0.274 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:	82	Resp:	13004
Ion	Ratio	Lower	Upper
82	100		
128	32.1	27.7	41.5
54	48.2	49.2	73.8#

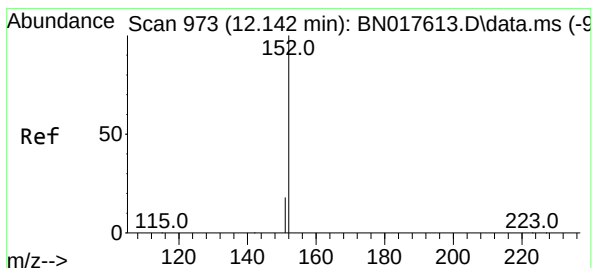
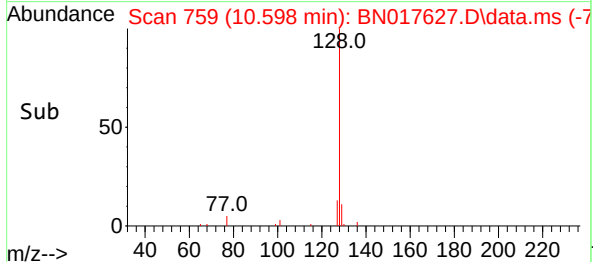
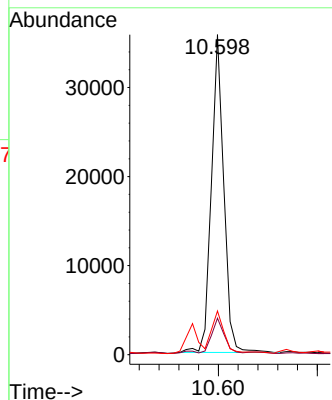
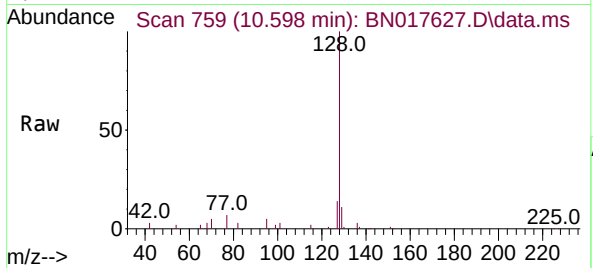




#9
Naphthalene
Concen: 0.221 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

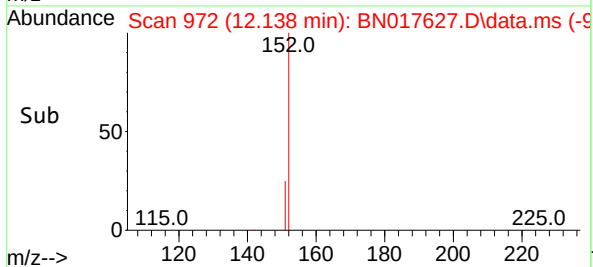
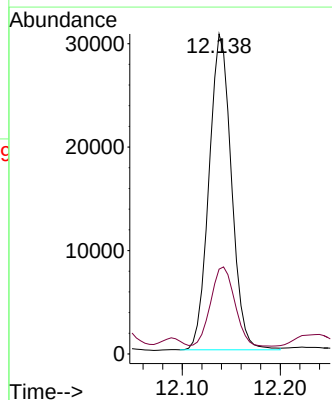
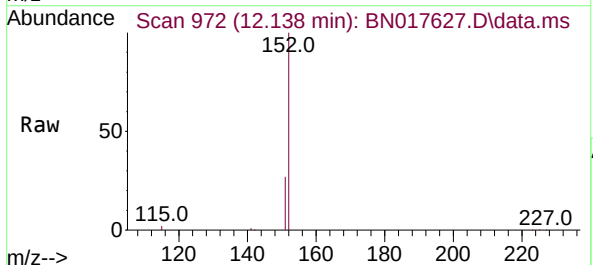
Instrument :
BNA_N
ClientSampleId :
CS-2A

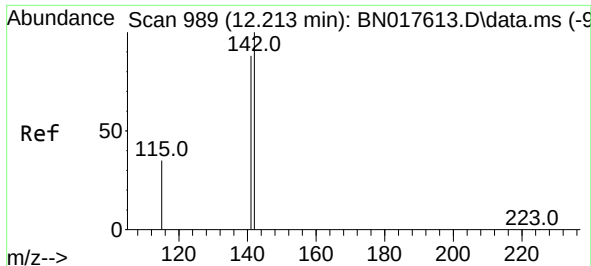
Tgt Ion:128 Resp: 62226
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.6 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.249 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:152 Resp: 48514
Ion Ratio Lower Upper
152 100
151 28.4 16.2 24.4#





#12

2-Methylnaphthalene

Concen: 0.251 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017627.D

Acq: 01 Dec 2021 00:12

Instrument :

BNA_N

ClientSampleId :

CS-2A

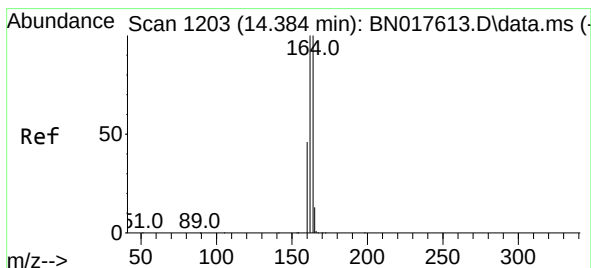
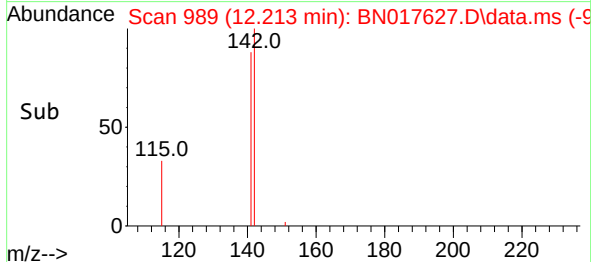
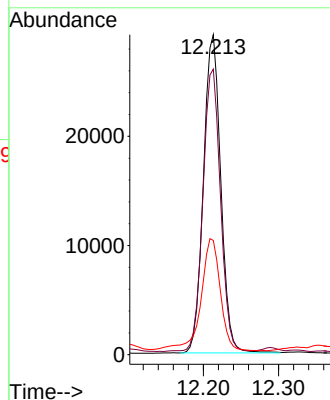
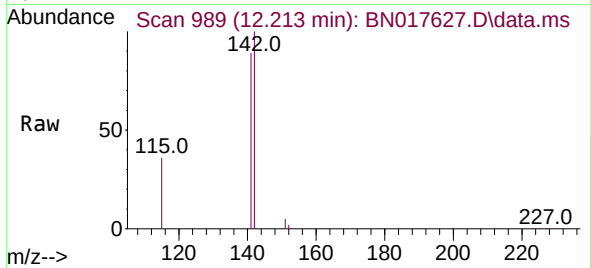
Tgt Ion:142 Resp: 46685

Ion Ratio Lower Upper

142 100

141 89.2 70.6 106.0

115 35.7 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: BN017627.D

Acq: 01 Dec 2021 00:12

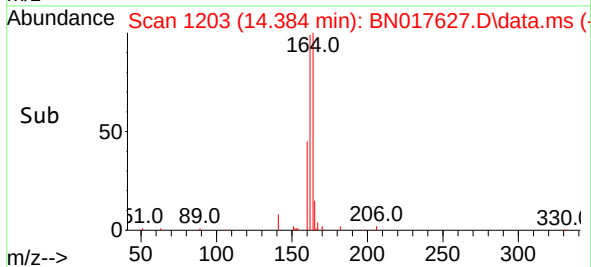
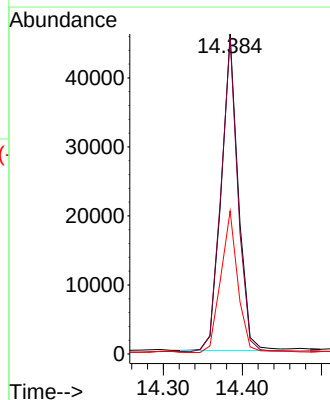
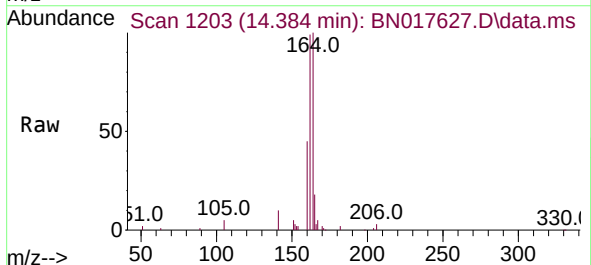
Tgt Ion:164 Resp: 68249

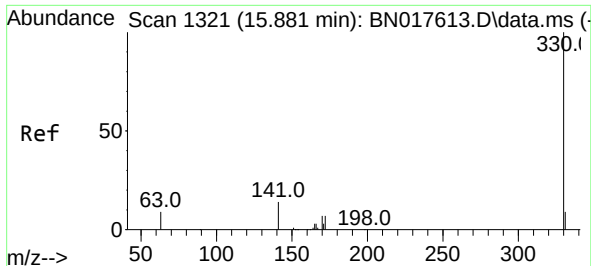
Ion Ratio Lower Upper

164 100

162 98.9 81.4 122.2

160 44.7 36.8 55.2

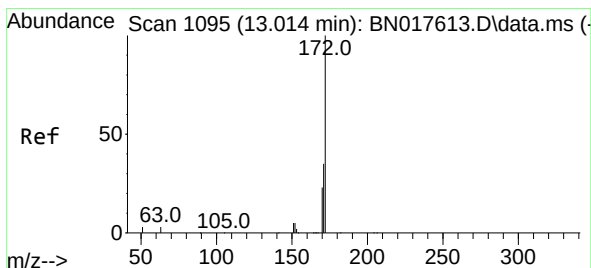
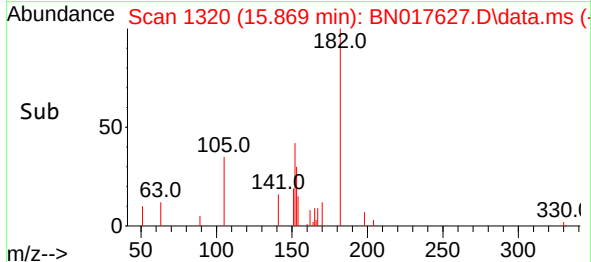
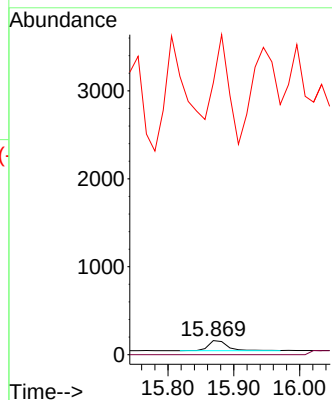
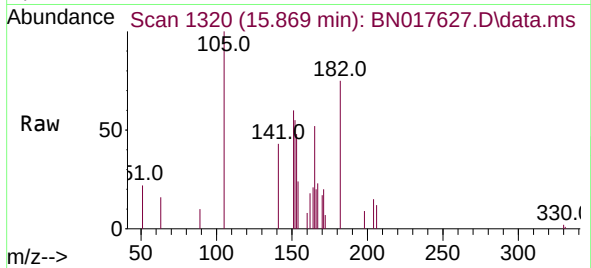




#14
2,4,6-Tribromophenol
Concen: 0.130 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

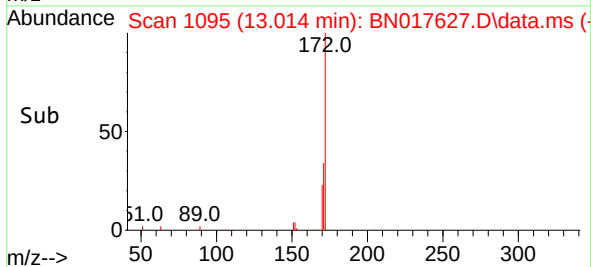
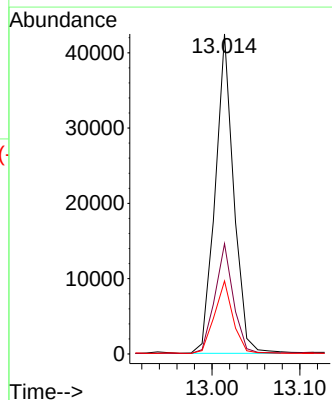
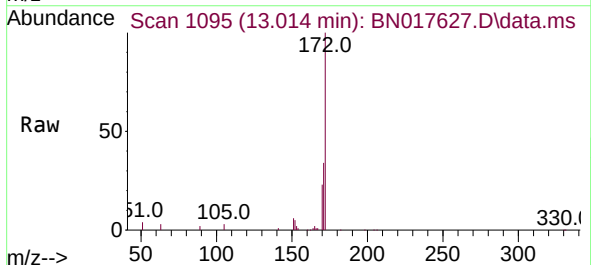
Instrument :
BNA_N
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CS-2A

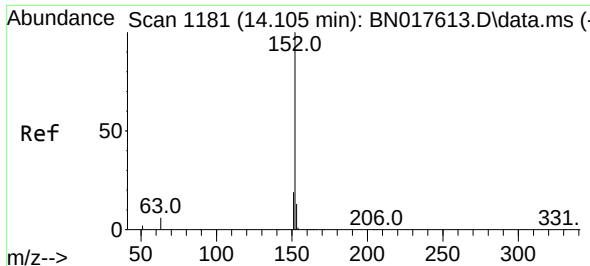
Tgt Ion:330 Resp: 231
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 823.4 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:172 Resp: 62127
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 22.8 19.4 29.2

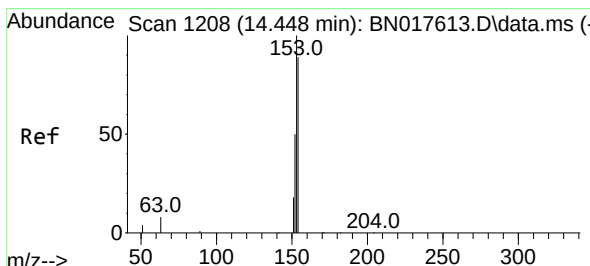
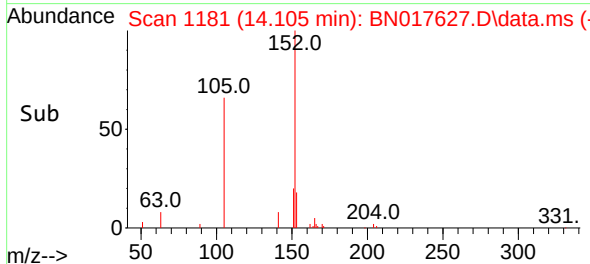
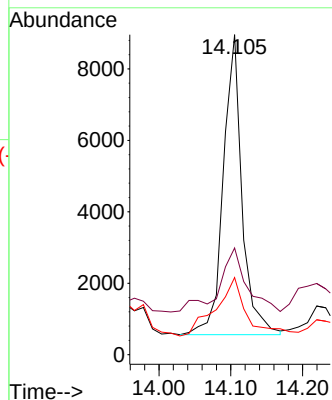
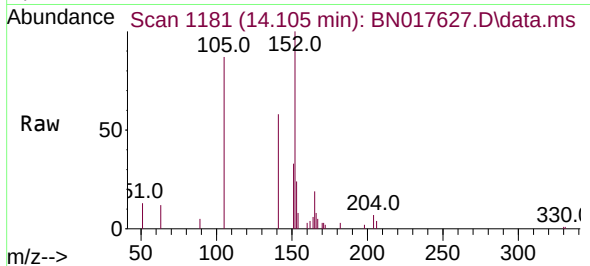




#16
Acenaphthylene
Concen: 0.057 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

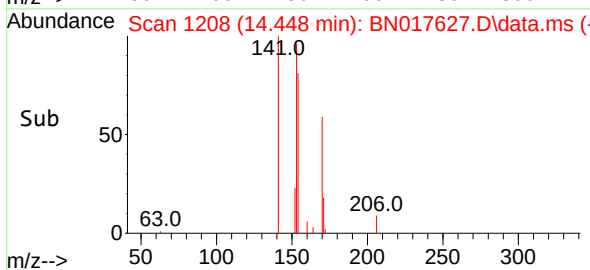
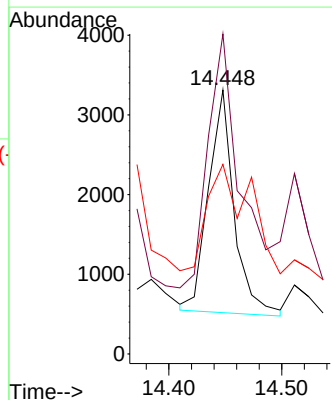
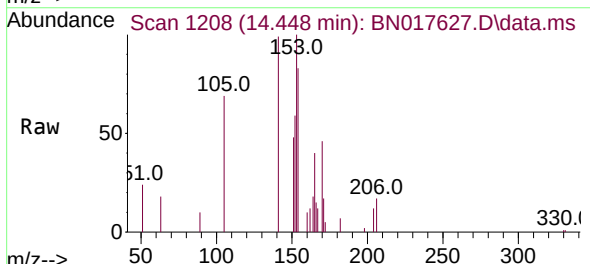
Instrument :
BNA_N
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CS-2A

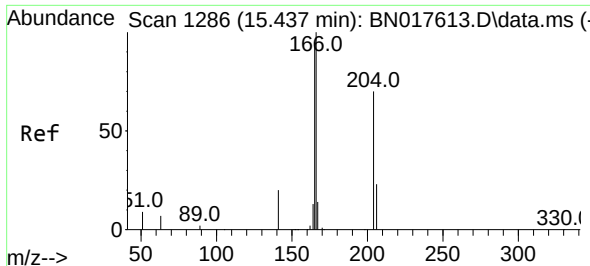
Tgt Ion:152 Resp: 15220
Ion Ratio Lower Upper
152 100
151 31.2 15.5 23.3#
153 32.8 10.4 15.6#



#17
Acenaphthene
Concen: 0.024 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:154 Resp: 4393
Ion Ratio Lower Upper
154 100
153 139.2 91.2 136.8#
152 112.8 44.3 66.5#

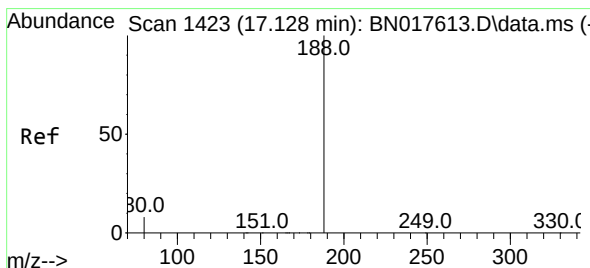
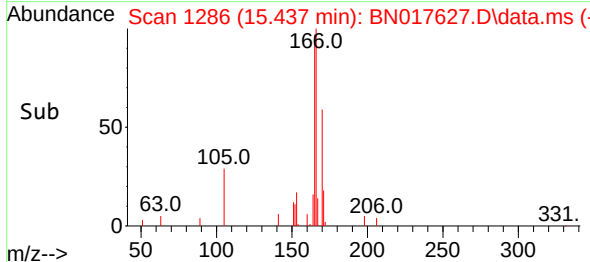
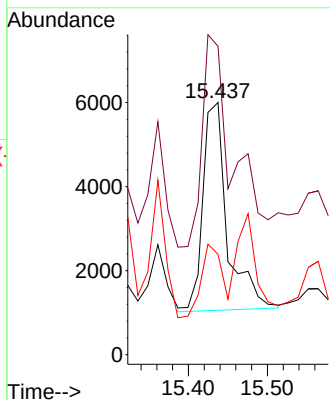
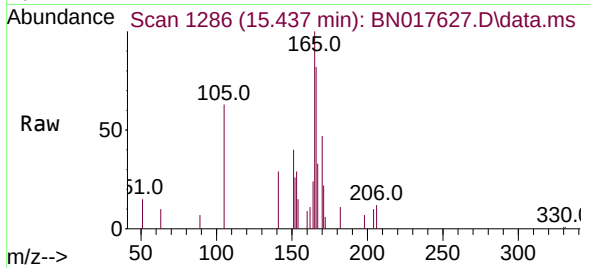




#18
 Fluorene
 Concen: 0.048 ng
 RT: 15.437 min Scan# 1286
 Delta R.T. 0.000 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

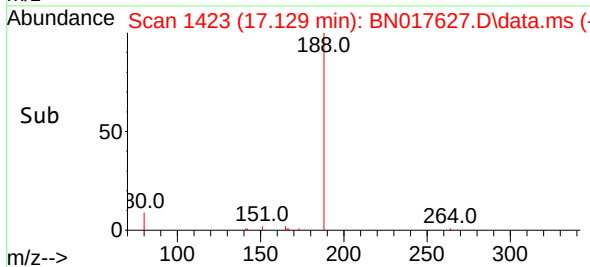
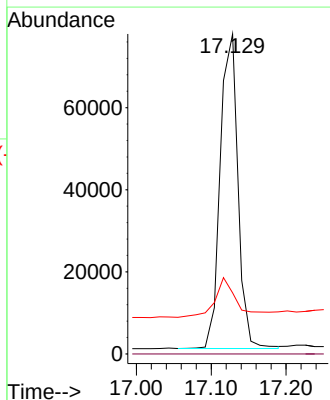
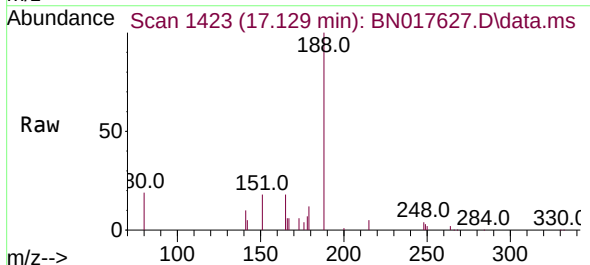
Instrument :
 BNA_N
 ClientSampleId :
 CS-2A

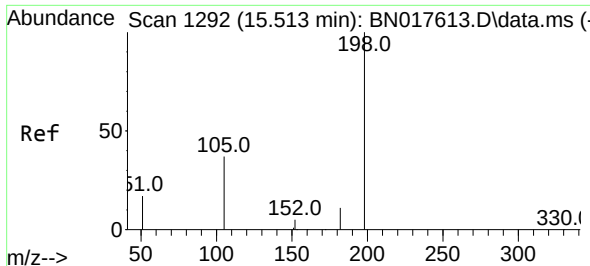
Tgt Ion:166 Resp: 10676
 Ion Ratio Lower Upper
 166 100
 165 128.5 77.9 116.9#
 167 30.4 10.9 16.3#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.129 min Scan# 1423
 Delta R.T. 0.001 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

Tgt Ion:188 Resp: 125888
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 19.1 6.1 9.1#

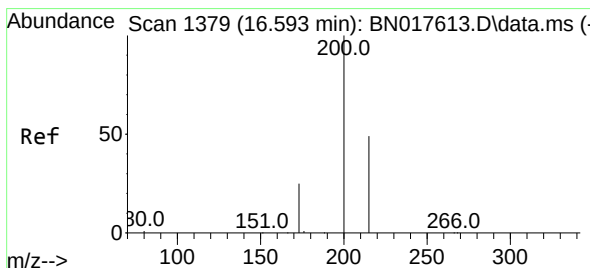
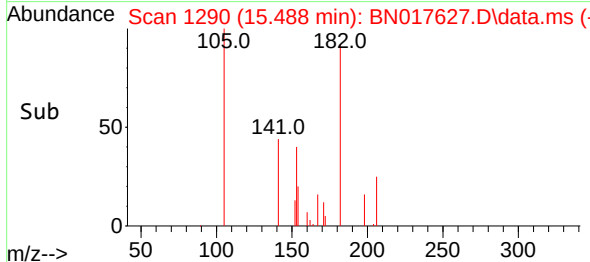
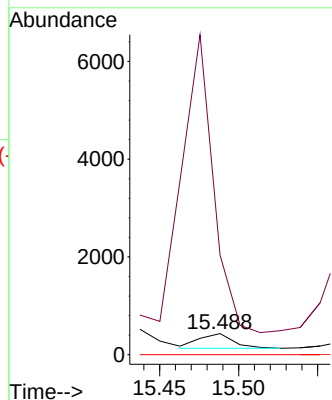
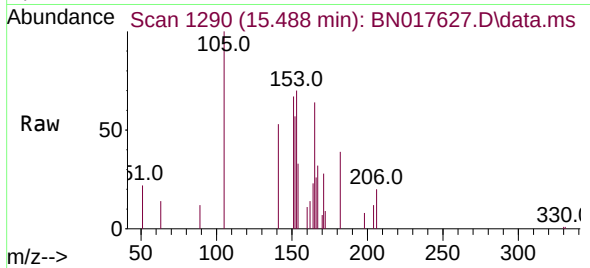




#20
4,6-Dinitro-2-methylphenol
Concen: 0.137 ng
RT: 15.488 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

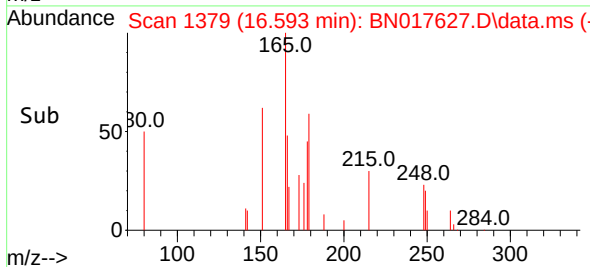
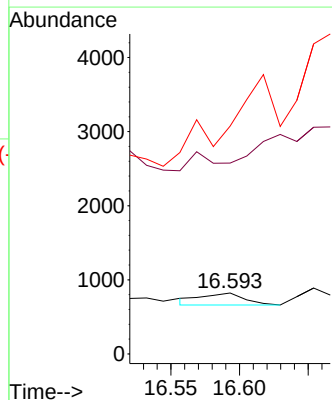
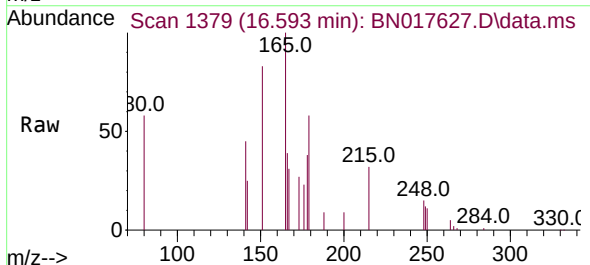
Instrument :
BNA_N
ClientSampleId :
CS-2A

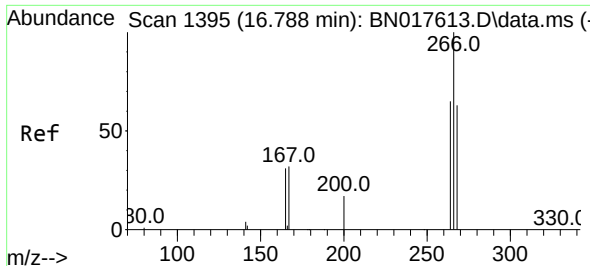
Tgt Ion:198 Resp: 449
Ion Ratio Lower Upper
198 100
182 470.9 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.137 ng
RT: 16.593 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:200 Resp: 349
Ion Ratio Lower Upper
200 100
173 313.3 17.6 26.4#
215 374.1 40.2 60.4#

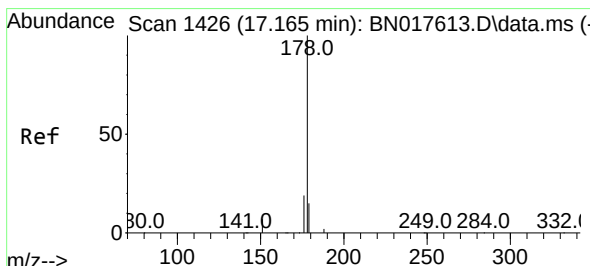
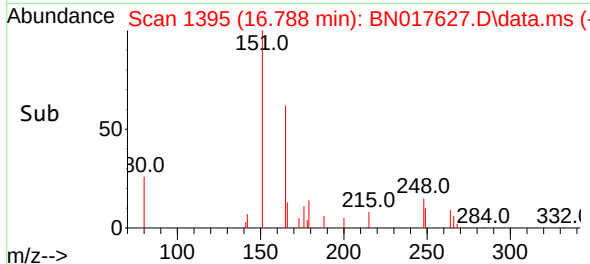
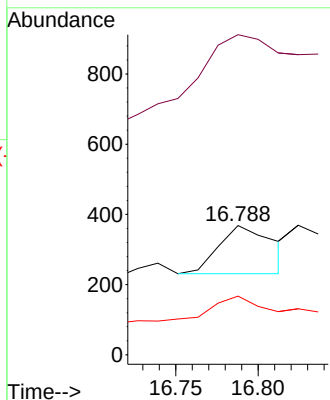
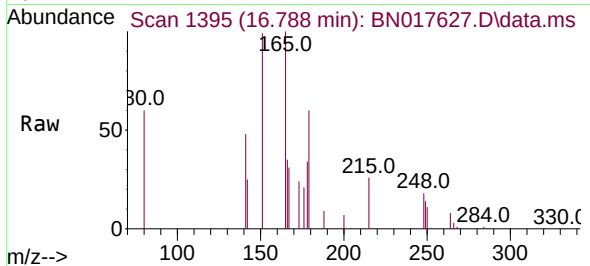




#24
 Pentachlorophenol
 Concen: 0.199 ng
 RT: 16.788 min Scan# 1395
 Delta R.T. -0.000 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

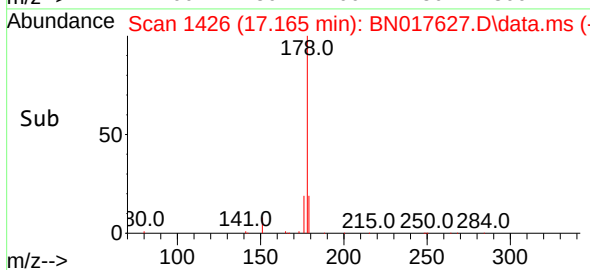
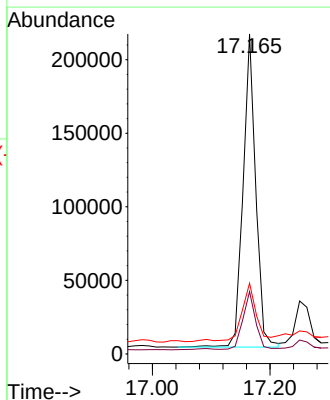
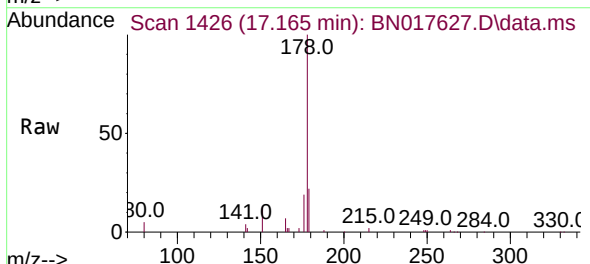
Instrument :
 BNA_N
 ClientSampleId :
 CS-2A

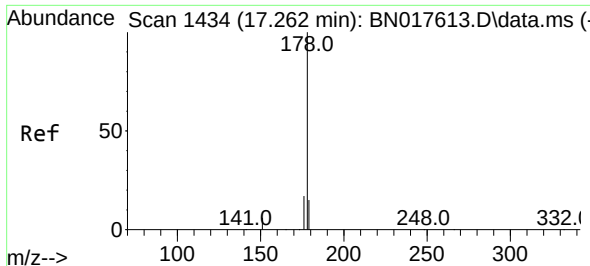
Tgt Ion:	266	Resp:	312
Ion Ratio	Lower	Upper	
266	100		
264	322.4	49.8	74.8#
268	70.2	51.3	76.9



#25
 Phenanthrene
 Concen: 0.914 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

Tgt Ion:	178	Resp:	315607
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.0	22.6
179	19.8	12.3	18.5#

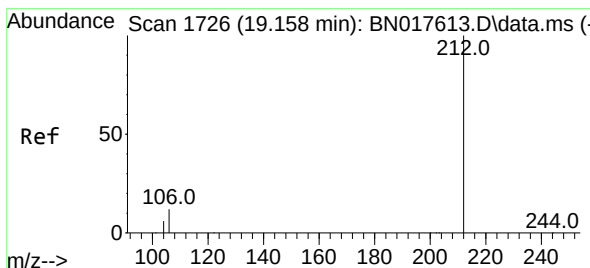
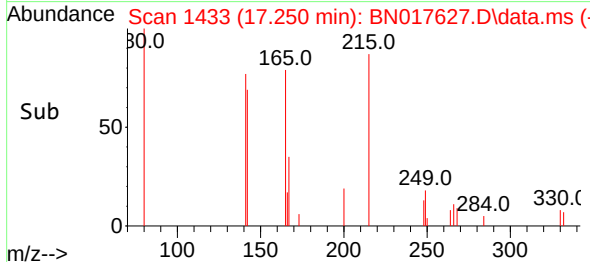
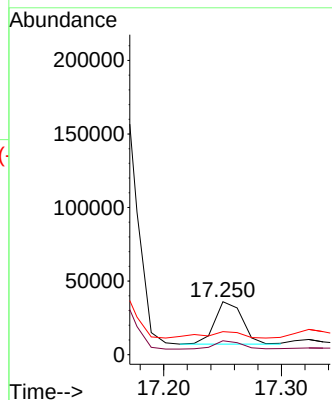
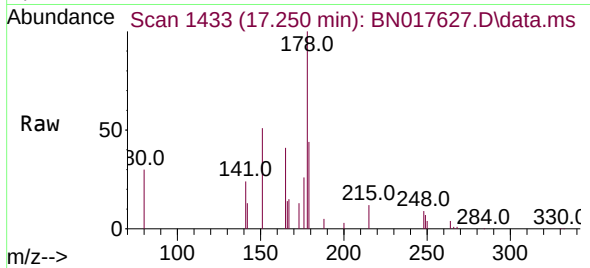




#26
 Anthracene
 Concen: 0.159 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

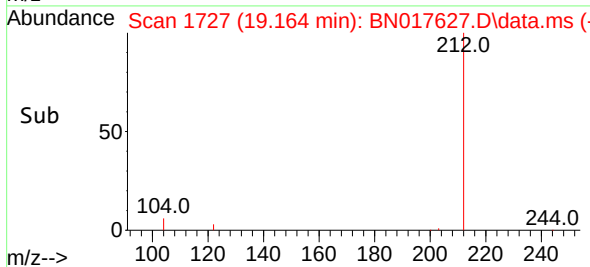
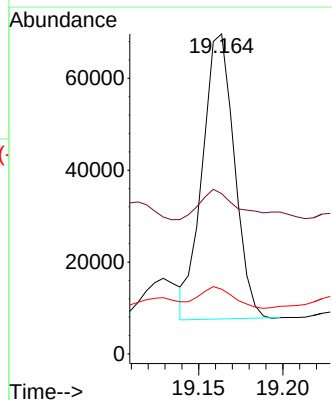
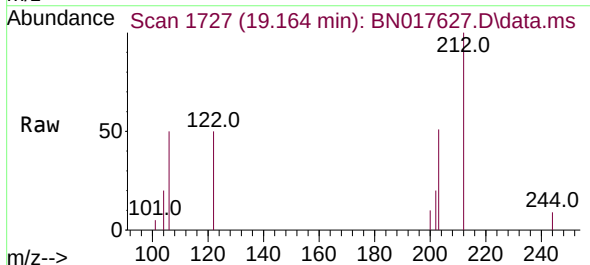
Instrument :
 BNA_N
 ClientSampleId :
 CS-2A

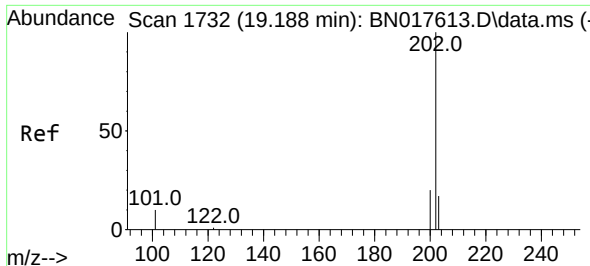
Tgt Ion:178 Resp: 47091
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.6 22.0
 179 21.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.208 ng
 RT: 19.164 min Scan# 1727
 Delta R.T. 0.006 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

Tgt Ion:212 Resp: 81901
 Ion Ratio Lower Upper
 212 100
 106 14.9 10.5 15.7
 104 7.6 5.8 8.6

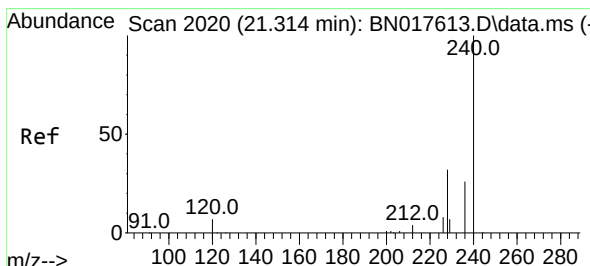
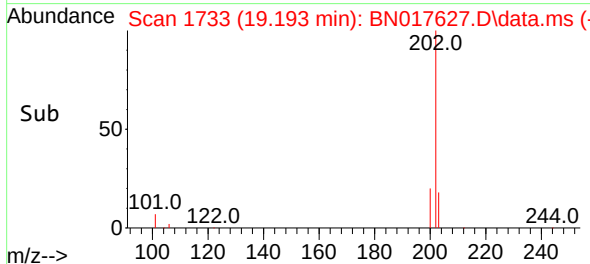
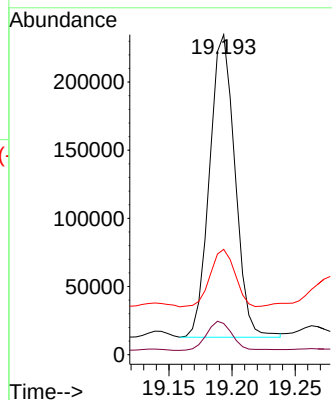
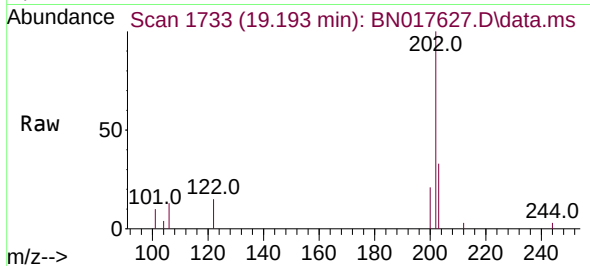




#28
Fluoranthene
Concen: 0.795 ng
RT: 19.193 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

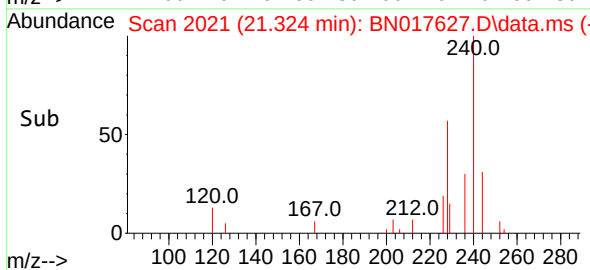
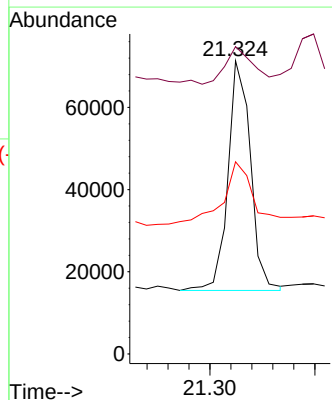
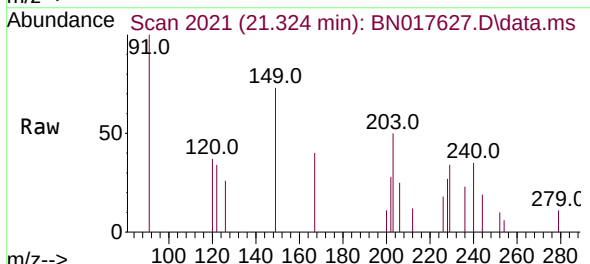
Instrument :
BNA_N
ClientSampleId :
CS-2A

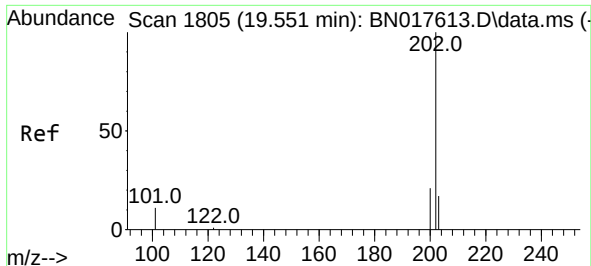
Tgt Ion:202 Resp: 310656
Ion Ratio Lower Upper
202 100
101 9.8 8.9 13.3
203 18.3 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.324 min Scan# 2021
Delta R.T. 0.010 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:240 Resp: 83093
Ion Ratio Lower Upper
240 100
120 104.9 4.2 6.2#
236 65.6 20.0 30.0#

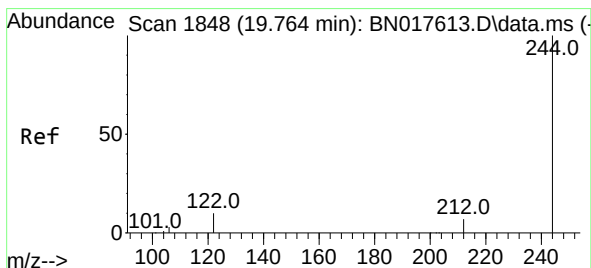
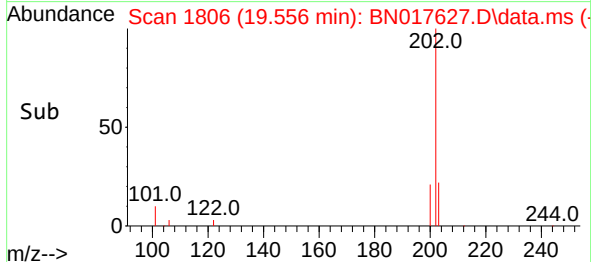
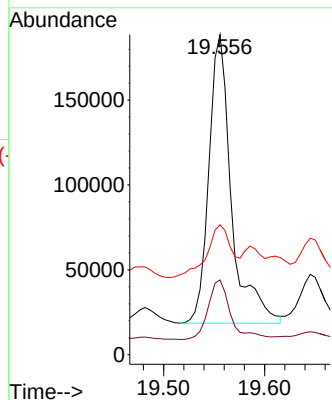
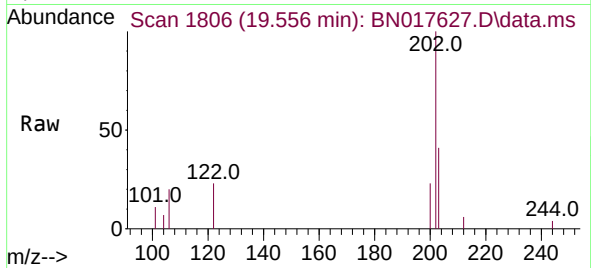




#30
Pyrene
Concen: 0.989 ng
RT: 19.556 min Scan# 1806
Delta R.T. 0.005 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

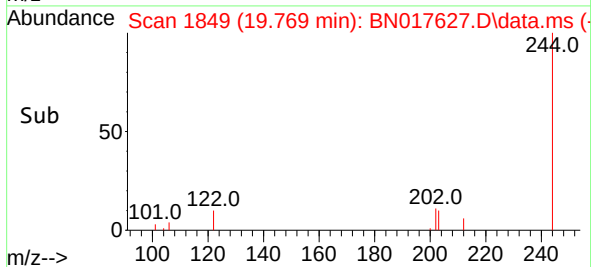
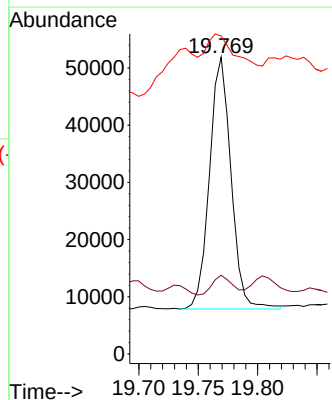
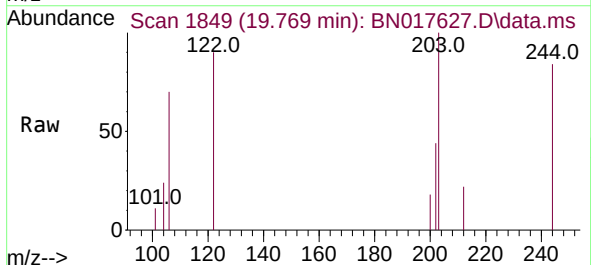
Instrument :
BNA_N
ClientSampleId :
CS-2A

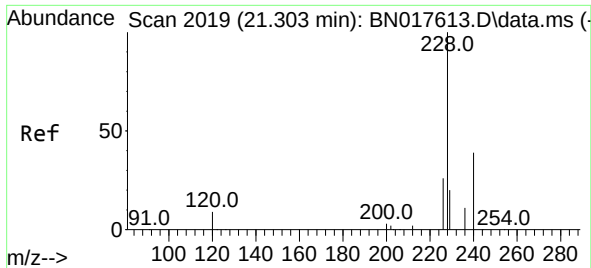
Tgt Ion:202 Resp: 265282
Ion Ratio Lower Upper
202 100
200 20.4 16.5 24.7
203 20.2 14.0 21.0



#31
Terphenyl-d14
Concen: 0.305 ng
RT: 19.769 min Scan# 1849
Delta R.T. 0.005 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:244 Resp: 55625
Ion Ratio Lower Upper
244 100
212 26.5 5.7 8.5#
122 107.2 8.6 13.0#

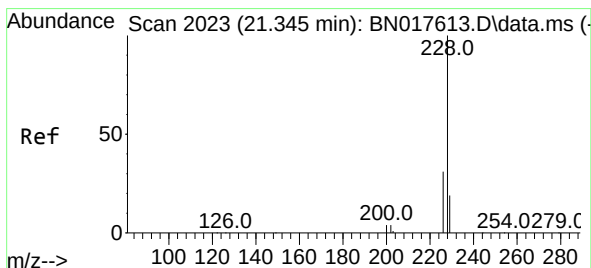
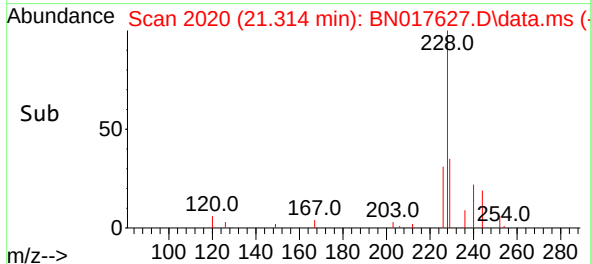
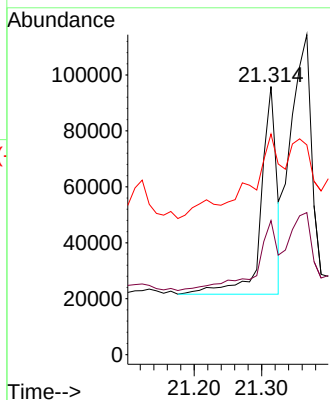
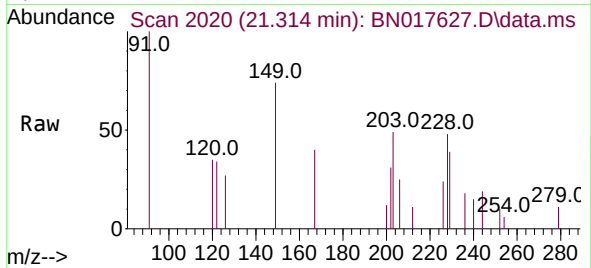




#32
Benzo(a)anthracene
Concen: 0.479 ng
RT: 21.314 min Scan# 2019
Delta R.T. 0.011 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

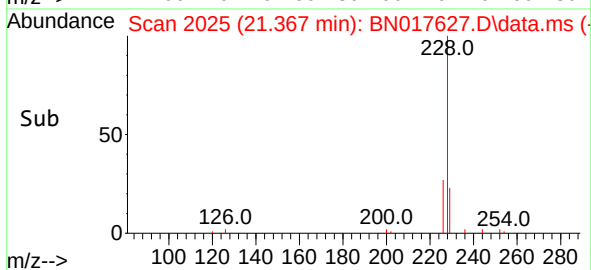
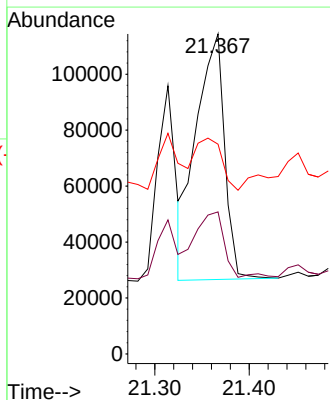
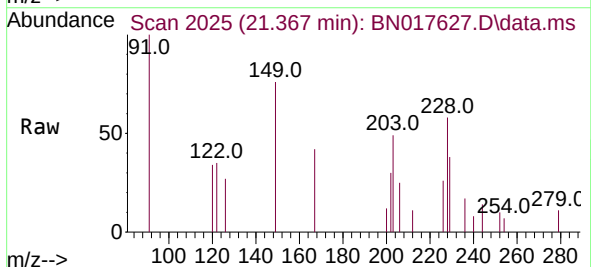
Instrument :
BNA_N
ClientSampleId :
CS-2A

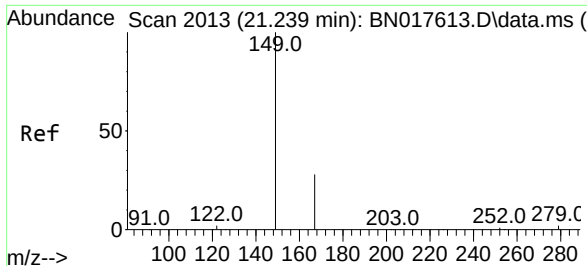
Tgt Ion:228 Resp: 120938
Ion Ratio Lower Upper
228 100
226 50.0 21.3 31.9#
229 82.3 15.7 23.5#



#33
Chrysene
Concen: 0.671 ng
RT: 21.367 min Scan# 2025
Delta R.T. 0.022 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:228 Resp: 184137
Ion Ratio Lower Upper
228 100
226 44.4 23.3 34.9#
229 65.5 15.6 23.4#

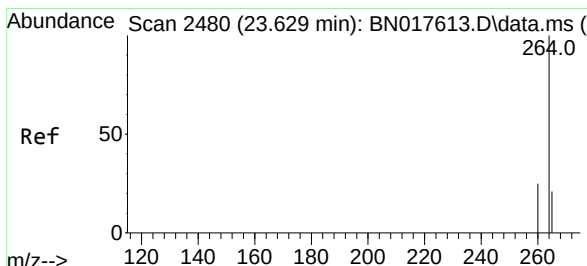
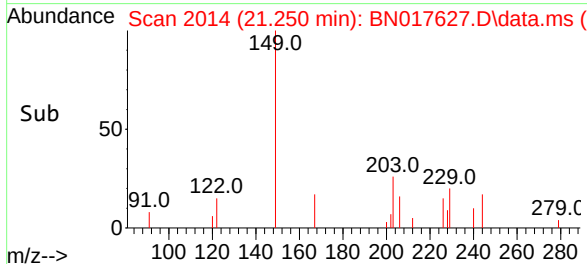
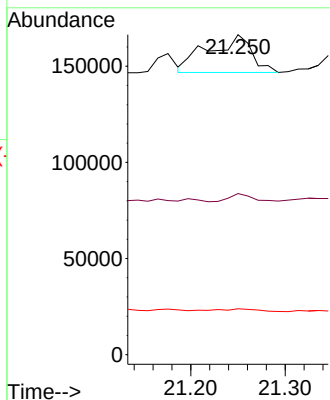
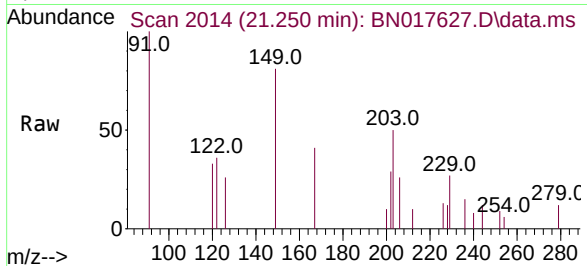




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.037 ng
 RT: 21.250 min Scan# 20
 Delta R.T. 0.011 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

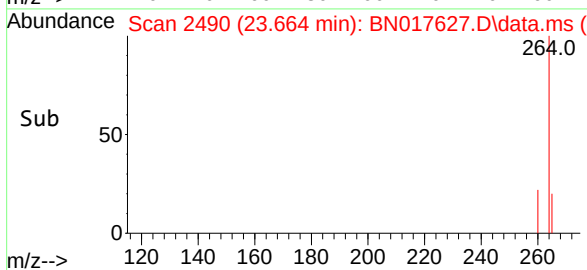
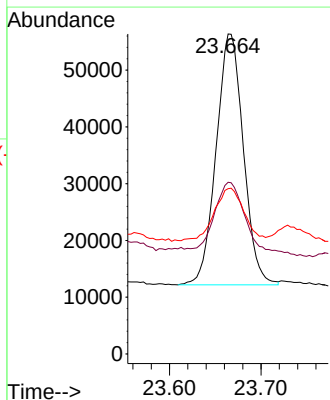
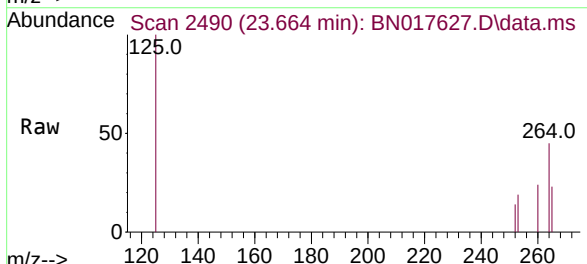
Instrument :
 BNA_N
 ClientSampleId :
 CS-2A

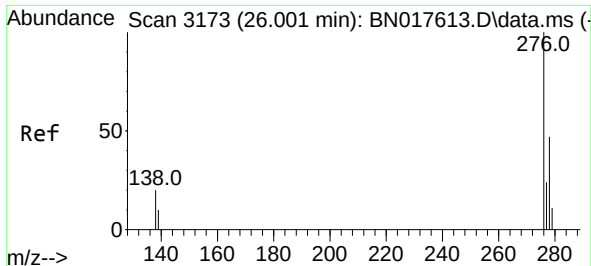
Tgt Ion:149 Resp: 62068
 Ion Ratio Lower Upper
 149 100
 167 11.4 21.8 32.6#
 279 5.8 3.4 5.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.664 min Scan# 2490
 Delta R.T. 0.034 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

Tgt Ion:264 Resp: 91417
 Ion Ratio Lower Upper
 264 100
 260 53.6 19.4 29.2#
 265 51.7 18.6 28.0#

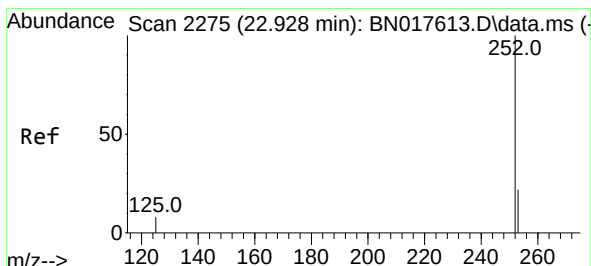
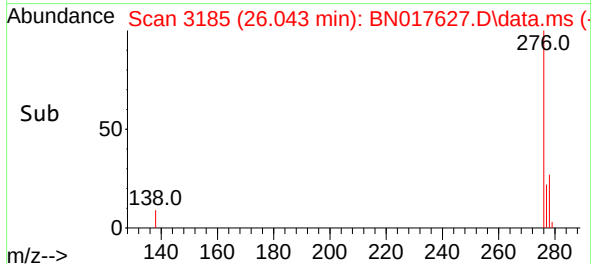
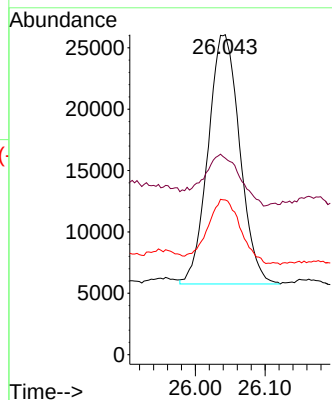
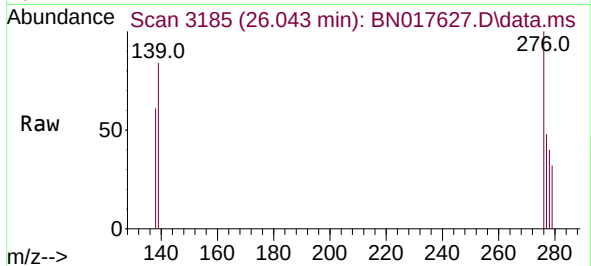




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.216 ng
RT: 26.043 min Scan# 3173
Delta R.T. 0.041 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

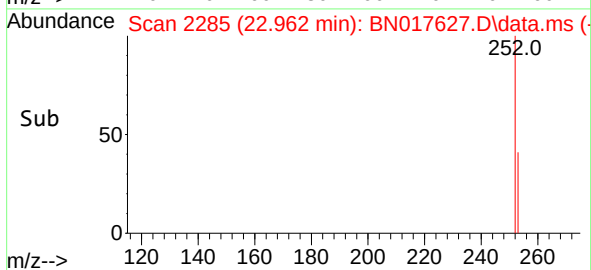
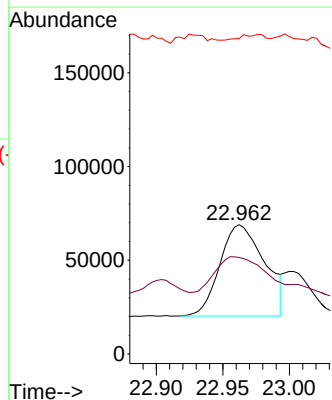
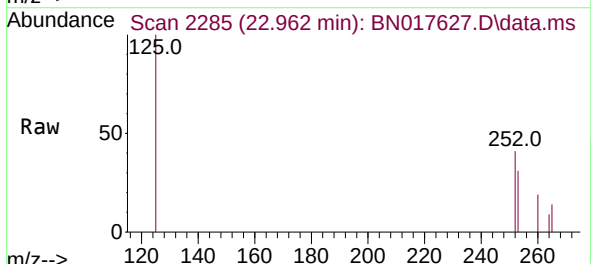
Instrument :
BNA_N
ClientSampleId :
CS-2A

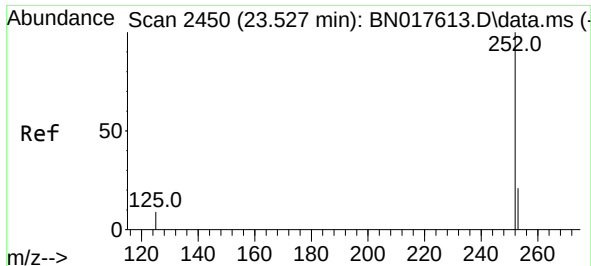
Tgt Ion:276 Resp: 64197
Ion Ratio Lower Upper
276 100
138 23.2 19.7 29.5
277 27.0 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 0.377 ng
RT: 22.962 min Scan# 2285
Delta R.T. 0.034 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Tgt Ion:252 Resp: 114337
Ion Ratio Lower Upper
252 100
253 74.6 17.7 26.5#
125 243.8 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 0.212 ng

RT: 23.561 min Scan# 2450

Delta R.T. 0.034 min

Lab File: BN017627.D

Acq: 01 Dec 2021 00:12

Instrument :

BNA_N

ClientSampleId :

CS-2A

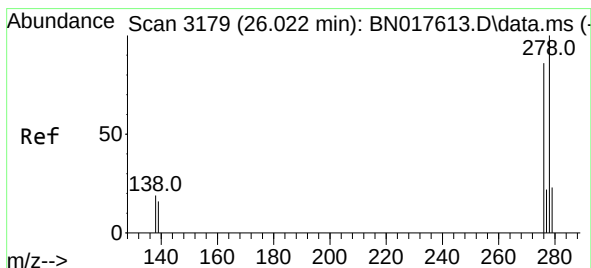
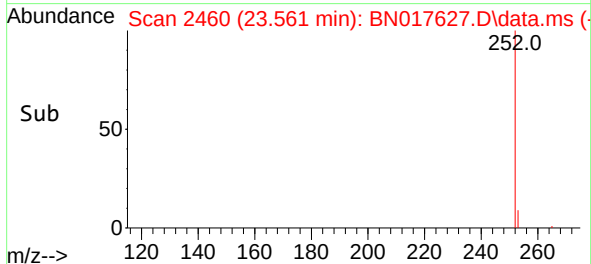
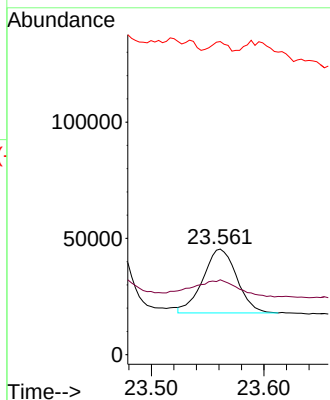
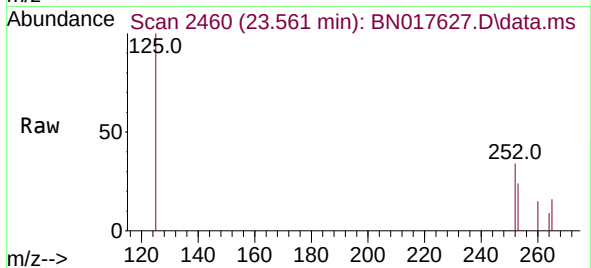
Tgt Ion:252 Resp: 57483

Ion Ratio Lower Upper

252 100

253 70.9 17.9 26.9#

125 296.7 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.094 ng

RT: 26.056 min Scan# 3189

Delta R.T. 0.034 min

Lab File: BN017627.D

Acq: 01 Dec 2021 00:12

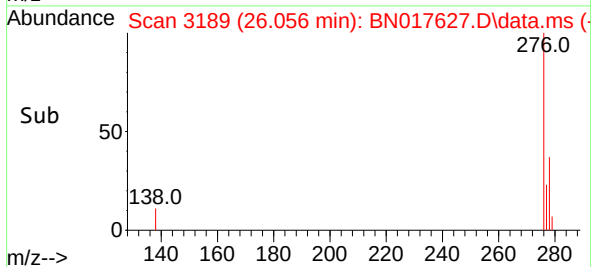
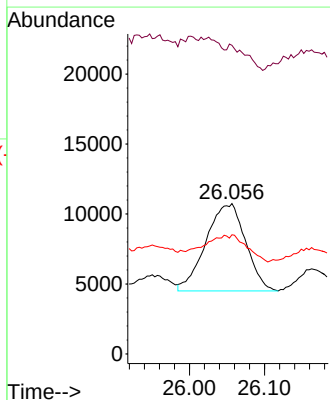
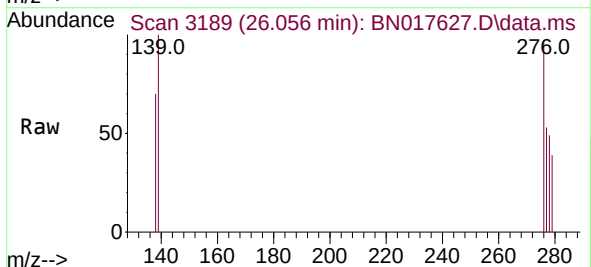
Tgt Ion:278 Resp: 22900

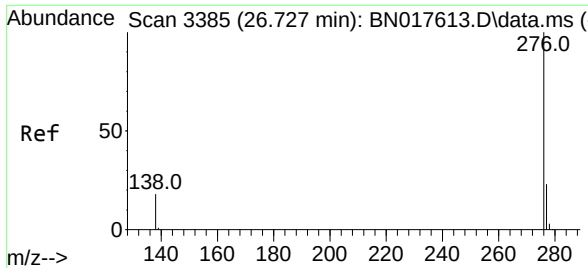
Ion Ratio Lower Upper

278 100

139 205.2 13.0 19.6#

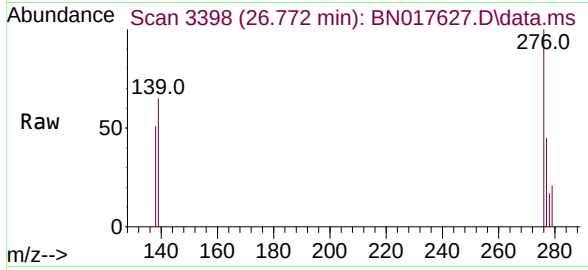
279 79.2 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 0.259 ng
RT: 26.772 min Scan# 31
Delta R.T. 0.045 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Instrument :
BNA_N
ClientSampleId :
CS-2A



Tgt Ion:276 Resp: 64753
Ion Ratio Lower Upper
276 100
277 45.4 19.0 28.4#
138 51.4 17.1 25.7#

