

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018277.D
 Acq On : 30 Dec 2021 02:02
 Operator : CG/JU
 Sample : M5107-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

Quant Time: Dec 30 03:04:42 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 29 16:08:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

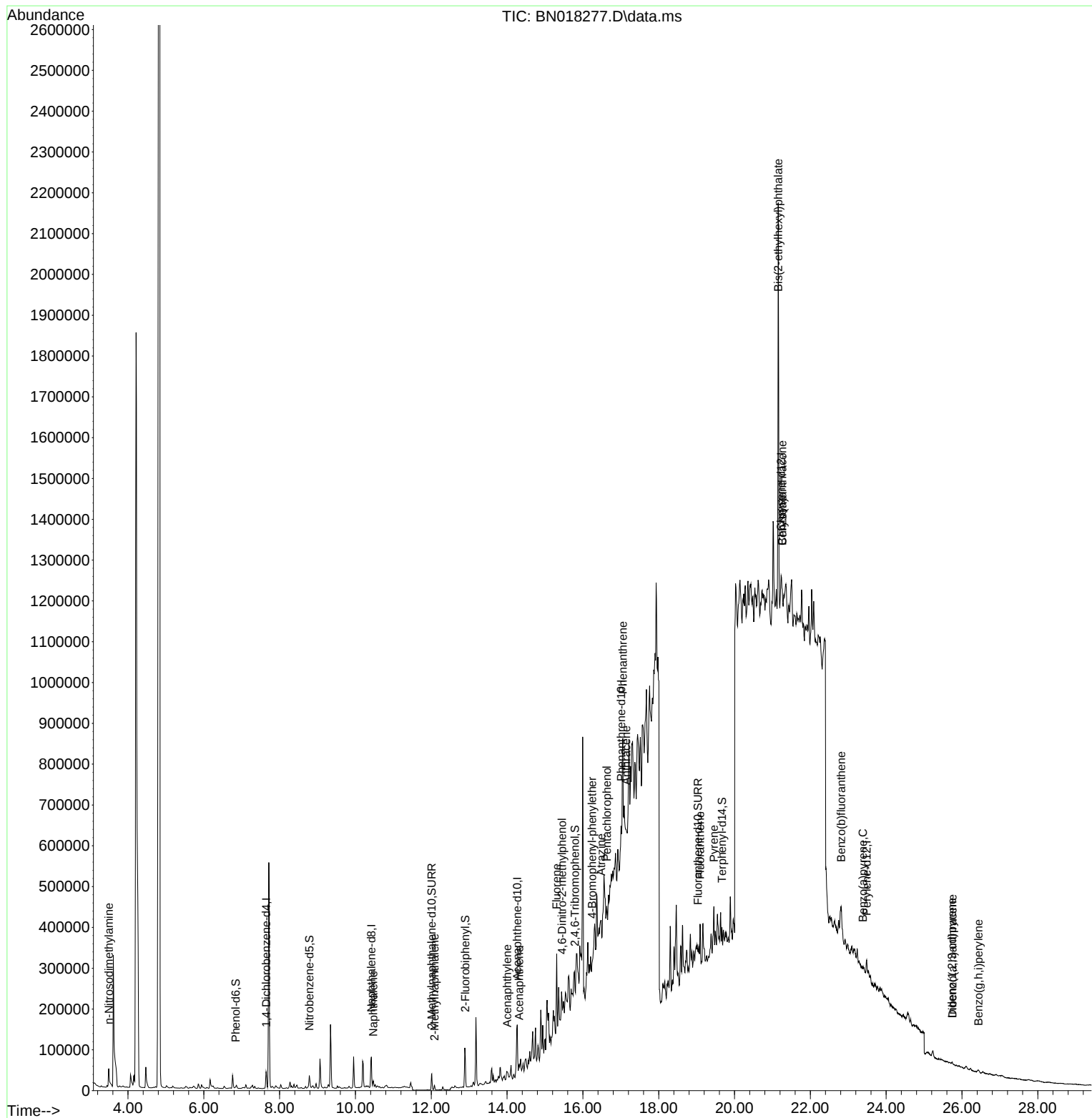
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	23526	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	98497	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	66854	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	92192	0.400	ng	# 0.00
29) Chrysene-d12	21.227	240	60231	0.400	ng	# 0.03
35) Perylene-d12	23.484	264	62228	0.400	ng	# 0.06
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	200	0.004	ng	0.03
5) Phenol-d6	6.840	99	2477	0.054	ng	0.00
8) Nitrobenzene-d5	8.784	82	23655	0.461	ng	0.00
11) 2-Methylnaphthalene-d10	12.012	152	55053	0.332	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	199	0.310	ng	0.03
15) 2-Fluorobiphenyl	12.898	172	83570	0.330	ng	0.00
27) Fluoranthene-d10	19.033	212	40274	0.137	ng	0.00
31) Terphenyl-d14	19.668	244	56469	0.369	ng	0.02
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.493	42	16611	0.860	ng	# 1
9) Naphthalene	10.470	128	16366	0.067	ng	# 95
12) 2-Methylnaphthalene	12.083	142	8230	0.053	ng	# 95
16) Acenaphthylene	14.002	152	13582	0.058	ng	# 28
17) Acenaphthene	14.319	154	3632	0.021	ng	# 4
18) Fluorene	15.309	166	24570	0.121	ng	# 63
20) 4,6-Dinitro-2-methylph...	15.449	198	3781	1.678	ng	# 1
21) 4-Bromophenyl-phenylether	16.239	248	2967	0.053	ng	# 1
23) Atrazine	16.482	200	14801	0.453	ng	# 1
24) Pentachlorophenol	16.628	266	418	0.226	ng	# 19
25) Phenanthrene	17.054	178	319978	1.317	ng	# 76
26) Anthracene	17.139	178	10386	0.089	ng	# 63
28) Fluoranthene	19.093	202	108822	0.382	ng	# 86
30) Pyrene	19.455	202	102693	0.435	ng	# 78
32) Benzo(a)anthracene	21.259	228	96480	0.552	ng	# 1
33) Chrysene	21.259	228	69659	0.359	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.153	149	953081	12.677	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.740	276	8463	0.057	ng	# 78
37) Benzo(b)fluoranthene	22.813	252	39677	0.201	ng	# 1
39) Benzo(a)pyrene	23.385	252	7755	0.045	ng	# 1
40) Dibenzo(a,h)anthracene	25.750	278	3390	0.032	ng	# 1
41) Benzo(g,h,i)perylene	26.435	276	12289	0.083	ng	# 1

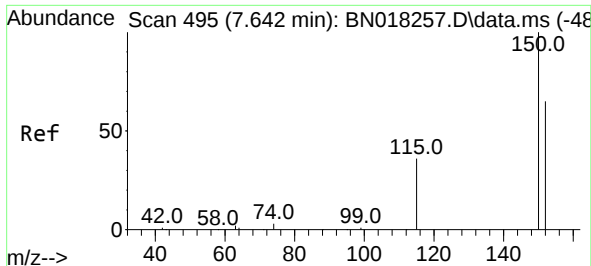
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
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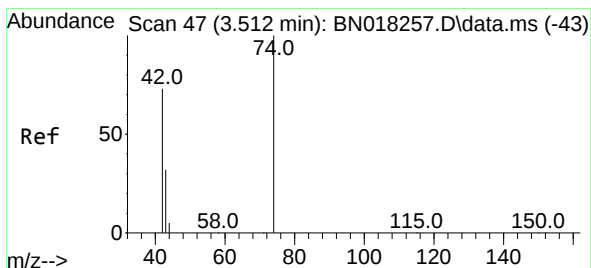
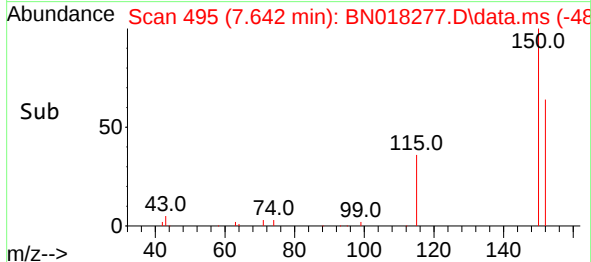
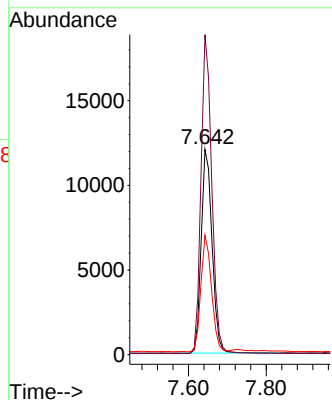
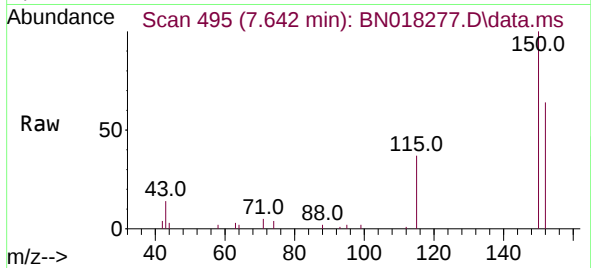




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 49
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

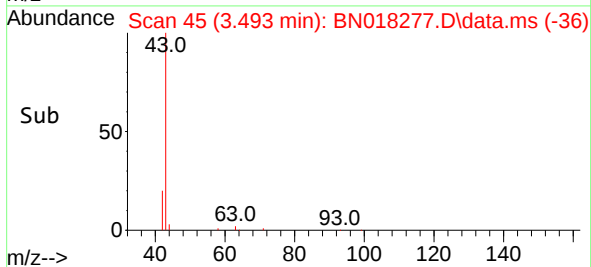
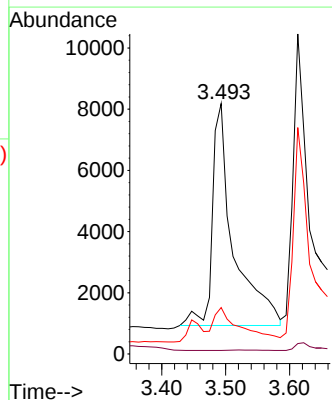
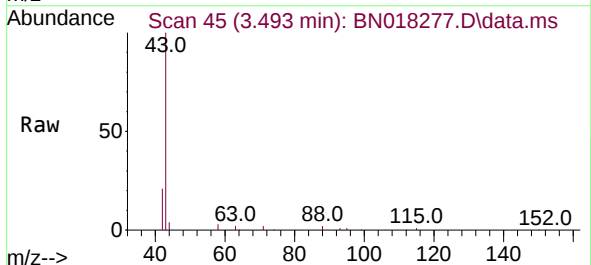
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

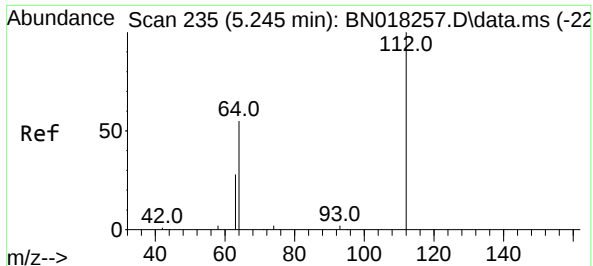
Tgt Ion:152 Resp: 23526
Ion Ratio Lower Upper
152 100
150 155.9 121.7 182.5
115 58.1 43.8 65.8



#3
n-Nitrosodimethylamine
Concen: 0.860 ng
RT: 3.493 min Scan# 45
Delta R.T. -0.019 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion: 42 Resp: 16611
Ion Ratio Lower Upper
42 100
74 0.0 108.6 163.0#
44 16.5 5.8 8.8#

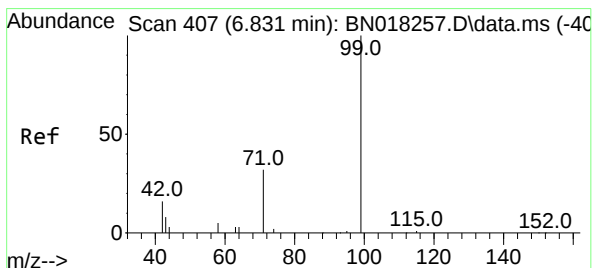
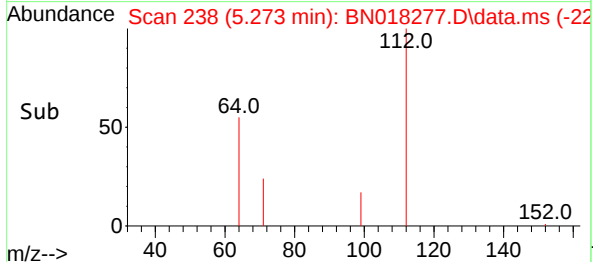
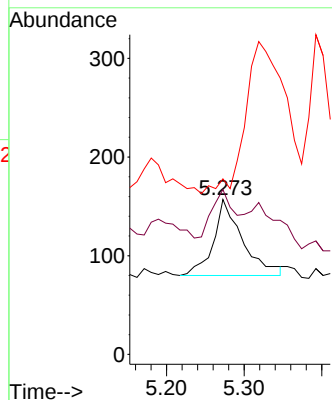
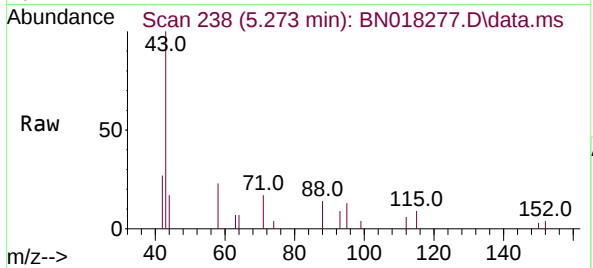




#4
2-Fluorophenol
Concen: 0.004 ng
RT: 5.273 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

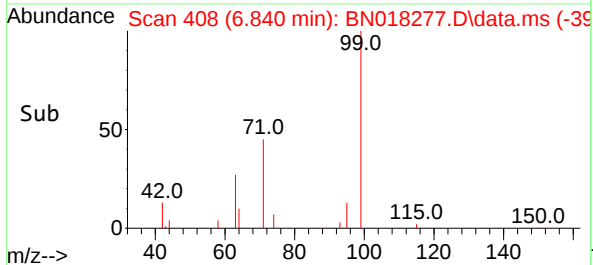
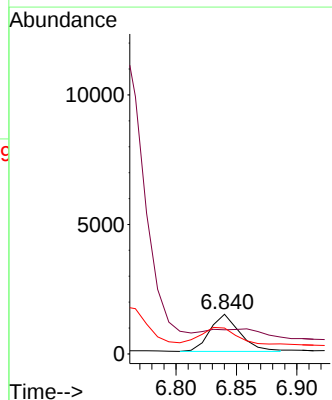
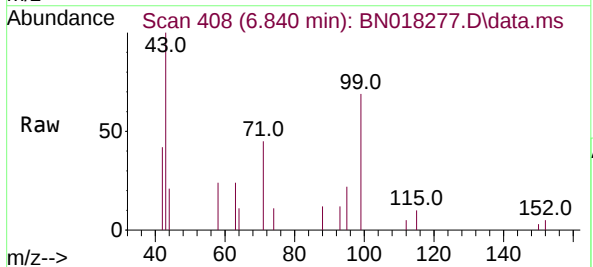
Instrument :
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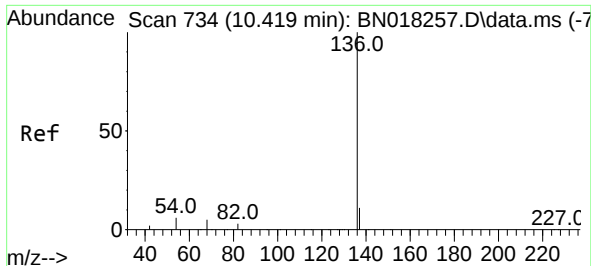
Tgt Ion:112 Resp: 200
Ion Ratio Lower Upper
112 100
64 45.0 48.0 72.0#
63 0.0 25.3 37.9#



#5
Phenol-d6
Concen: 0.054 ng
RT: 6.840 min Scan# 408
Delta R.T. 0.009 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion: 99 Resp: 2477
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5#
71 53.0 26.8 40.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

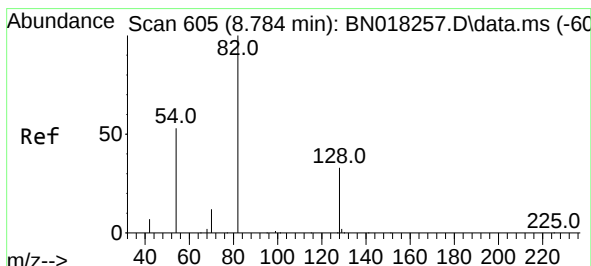
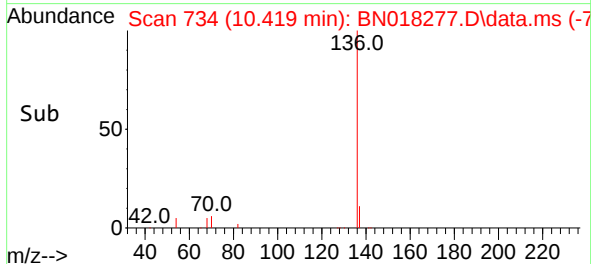
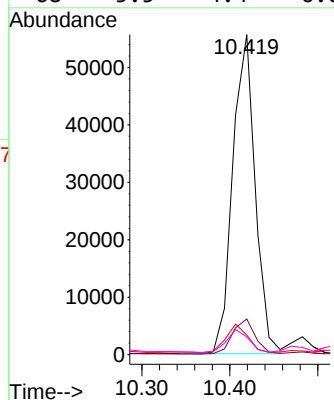
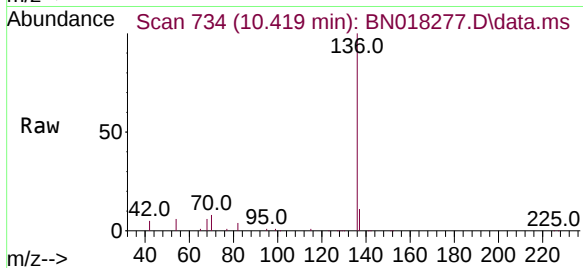
Instrument :

BNA_N

ClientSampleId :

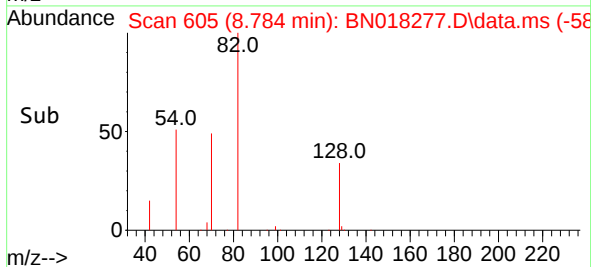
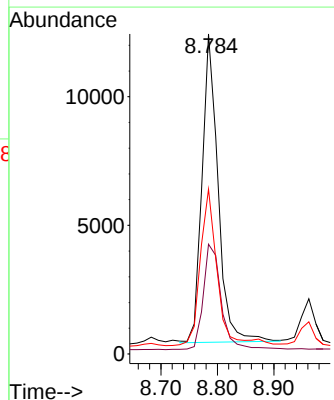
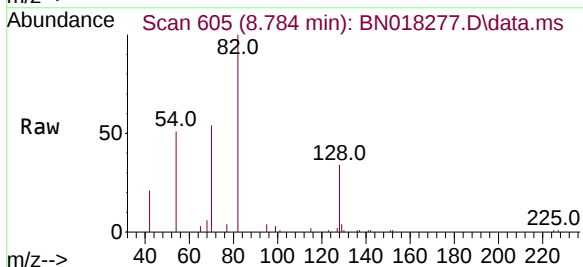
OB-CS-05

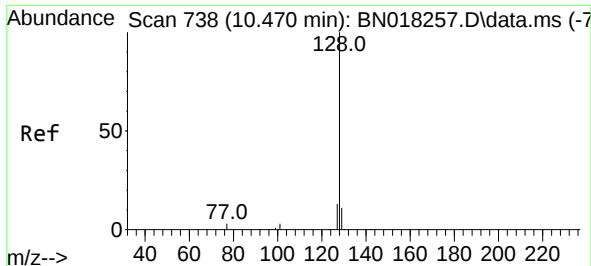
Tgt Ion:	136	Resp:	98497
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.1	5.0	7.6
68	5.5	4.4	6.6



#8
Nitrobenzene-d5
Concen: 0.461 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion:	82	Resp:	23655
Ion	Ratio	Lower	Upper
82	100		
128	34.3	33.7	50.5
54	51.5	36.6	55.0





#9
Naphthalene
Concen: 0.067 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

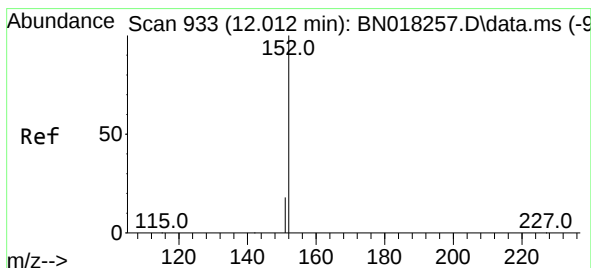
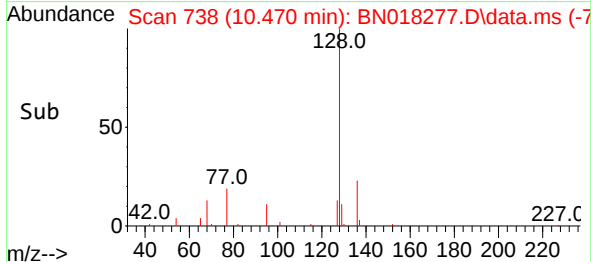
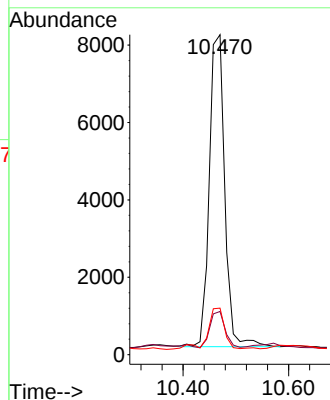
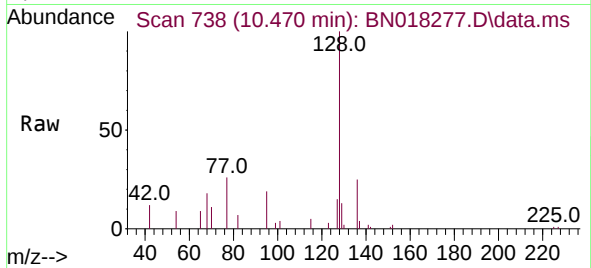
Instrument :

BNA_N

ClientSampleId :

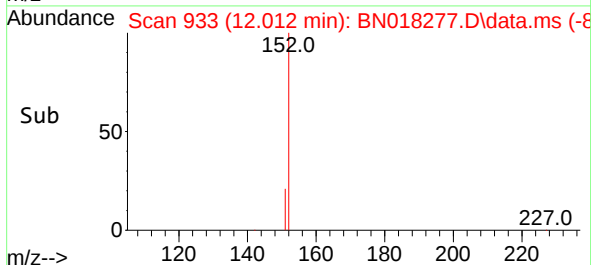
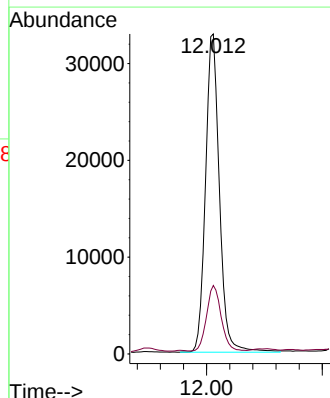
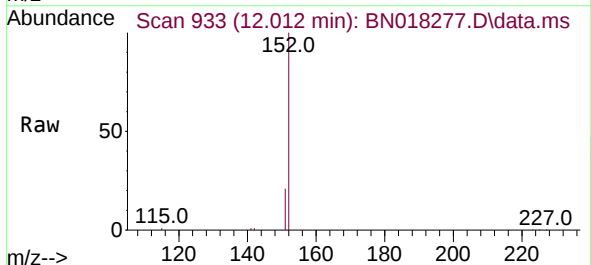
OB-CS-05

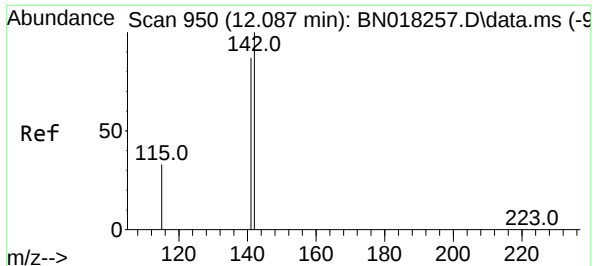
Tgt Ion:128 Resp: 16366
Ion Ratio Lower Upper
128 100
129 13.5 8.7 13.1#
127 14.5 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.012 min Scan# 933
Delta R.T. -0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion:152 Resp: 55053
Ion Ratio Lower Upper
152 100
151 21.6 16.2 24.2





#12

2-Methylnaphthalene

Concen: 0.053 ng

RT: 12.083 min Scan# 949

Delta R.T. -0.005 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

Instrument :

BNA_N

ClientSampleId :

OB-CS-05

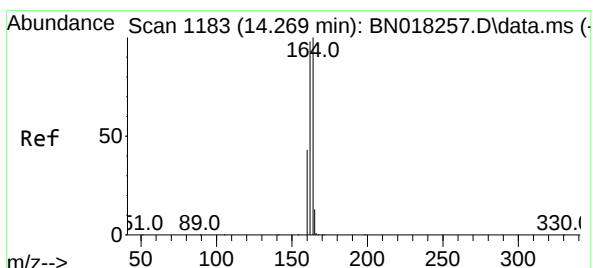
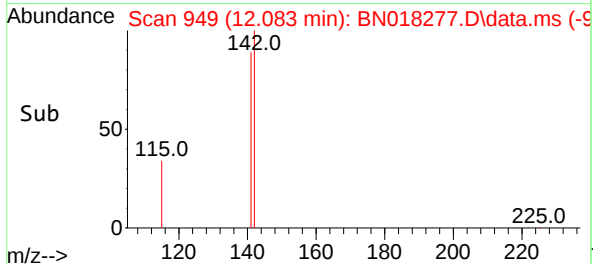
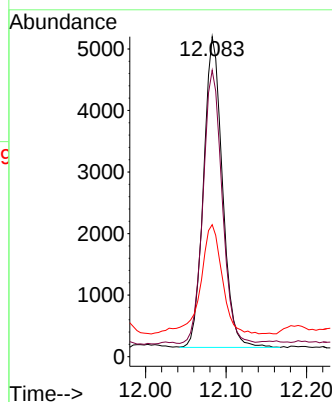
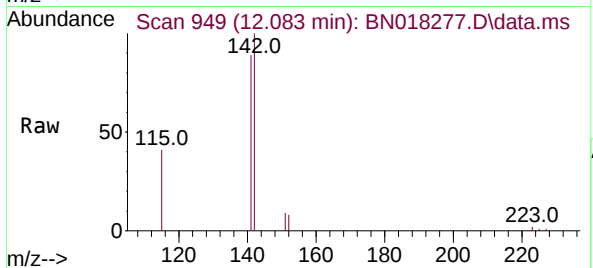
Tgt Ion:142 Resp: 8230

Ion Ratio Lower Upper

142 100

141 89.5 70.0 105.0

115 41.3 27.8 41.8



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.269 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

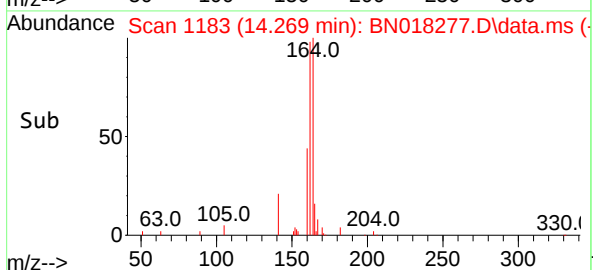
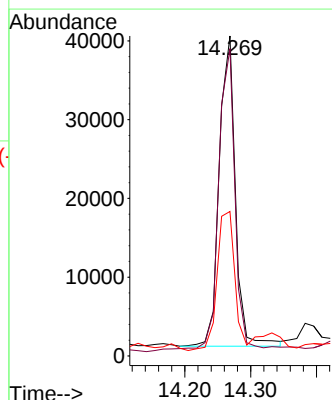
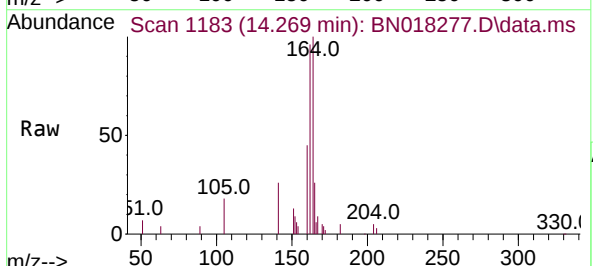
Tgt Ion:164 Resp: 66854

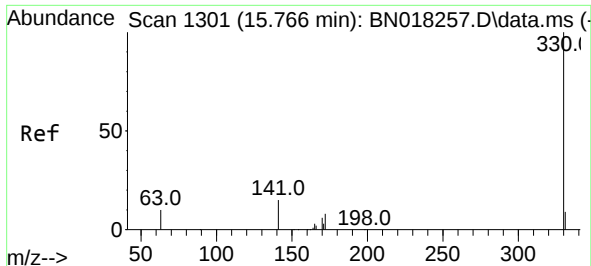
Ion Ratio Lower Upper

164 100

162 96.0 80.2 120.2

160 45.1 36.9 55.3

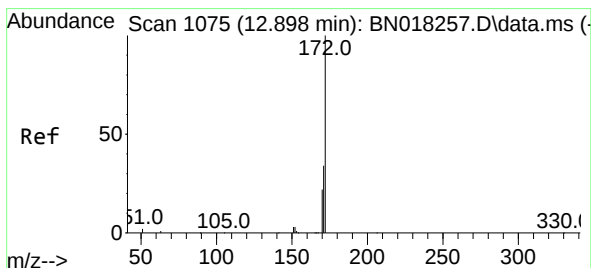
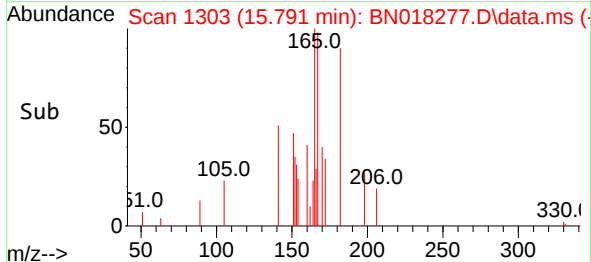
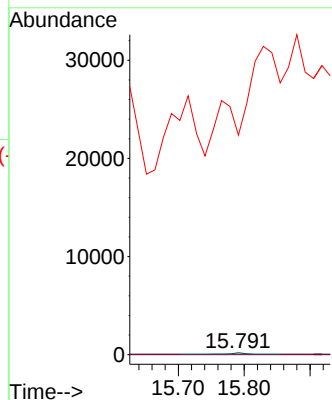
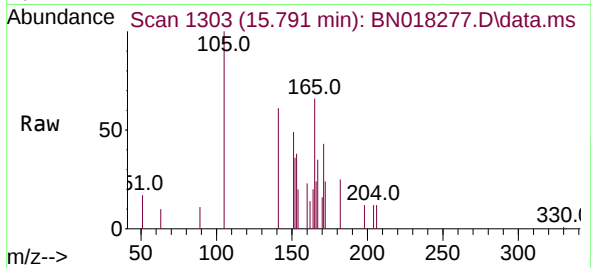




#14
 2,4,6-Tribromophenol
 Concen: 0.310 ng
 RT: 15.791 min Scan# 1303
 Delta R.T. 0.025 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

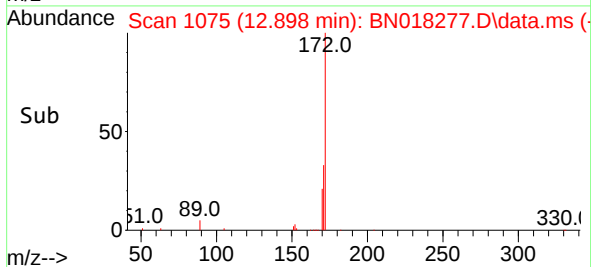
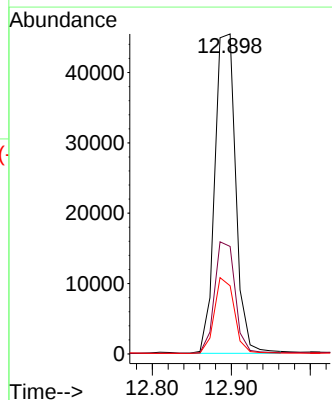
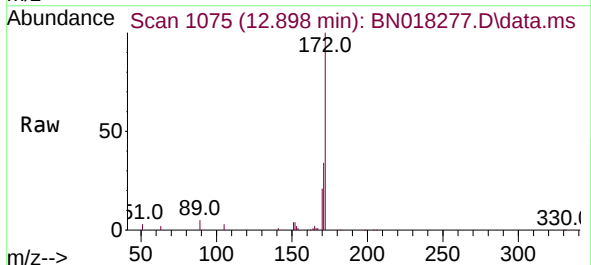
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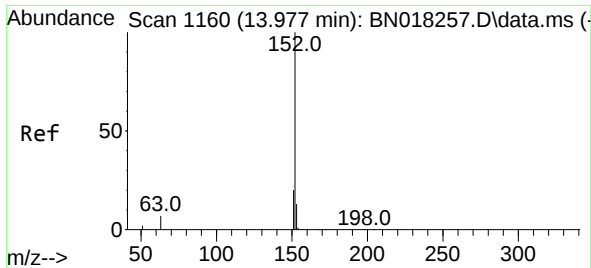
Tgt Ion: 330 Resp: 199
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 0.0 21.3 31.9#



#15
 2-Fluorobiphenyl
 Concen: 0.330 ng
 RT: 12.898 min Scan# 1075
 Delta R.T. -0.000 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

Tgt Ion: 172 Resp: 83570
 Ion Ratio Lower Upper
 172 100
 171 33.6 27.4 41.0
 170 21.3 18.4 27.6

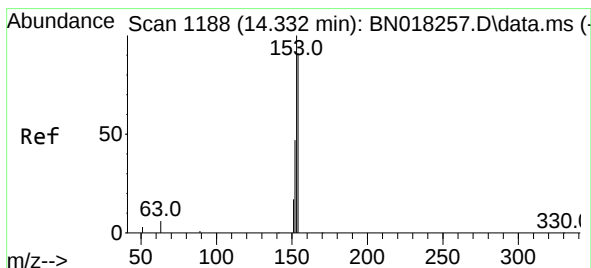
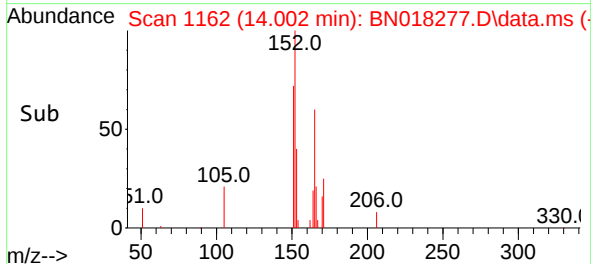
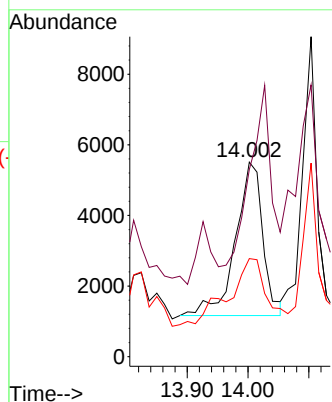
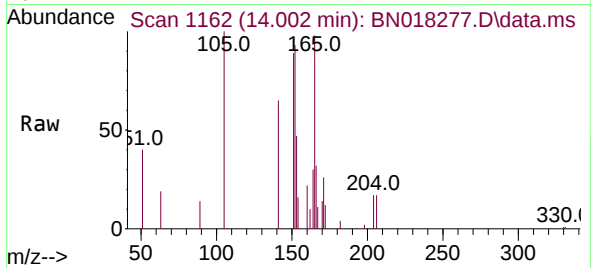




#16
Acenaphthylene
Concen: 0.058 ng
RT: 14.002 min Scan# 1162
Delta R.T. 0.025 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

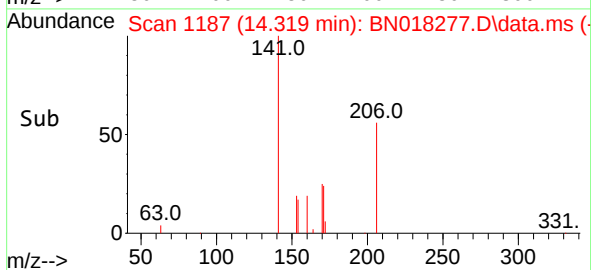
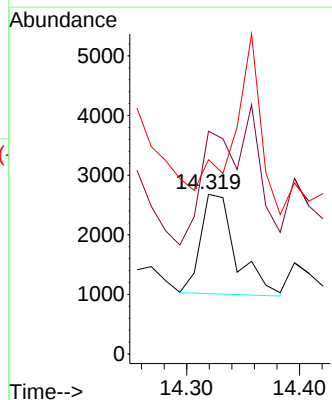
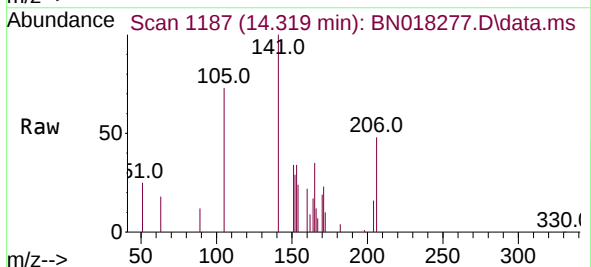
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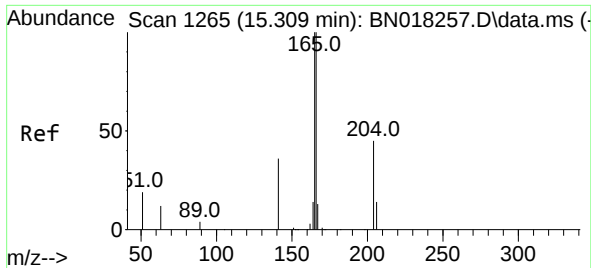
Tgt Ion:152 Resp: 13582
Ion Ratio Lower Upper
152 100
151 0.0 15.8 23.6#
153 59.1 10.5 15.7#



#17
Acenaphthene
Concen: 0.021 ng
RT: 14.319 min Scan# 1187
Delta R.T. -0.013 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion:154 Resp: 3632
Ion Ratio Lower Upper
154 100
153 0.0 90.9 136.3#
152 0.0 45.0 67.4#

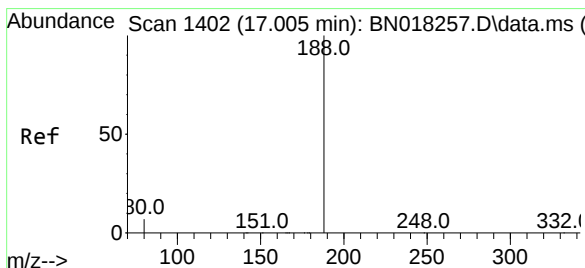
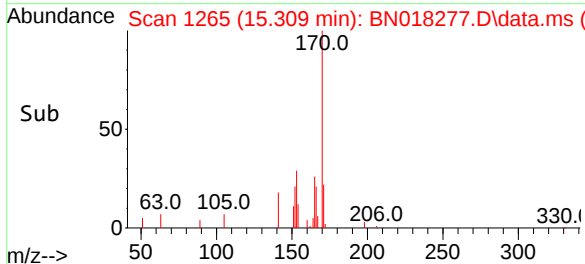
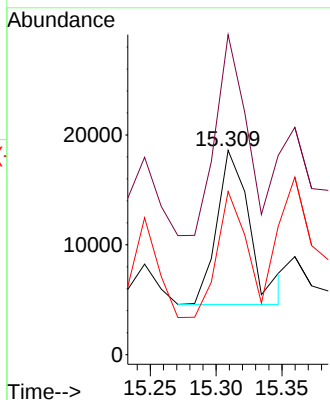
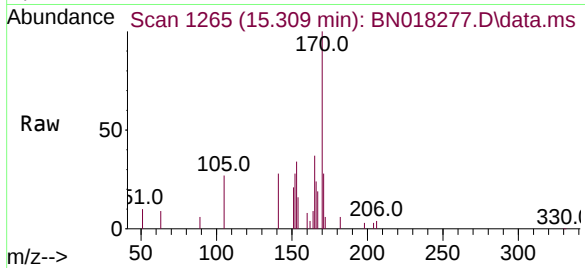




#18
 Fluorene
 Concen: 0.121 ng
 RT: 15.309 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

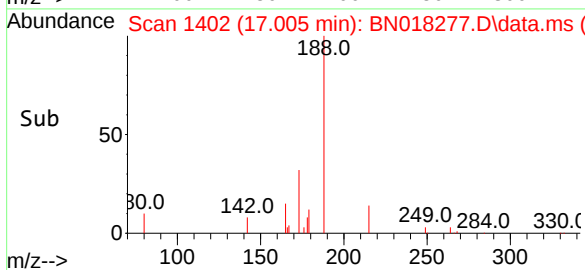
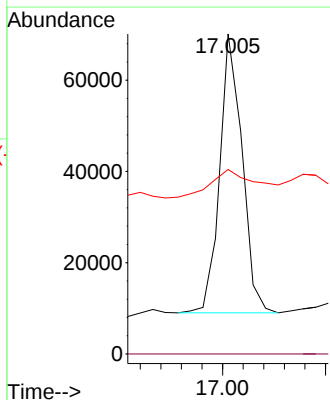
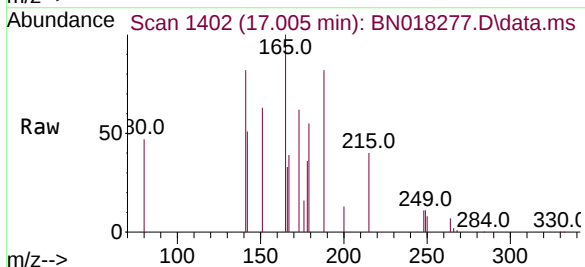
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

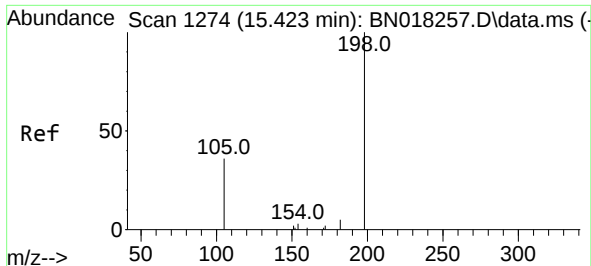
Tgt Ion:166 Resp: 24570
 Ion Ratio Lower Upper
 166 100
 165 118.4 77.8 116.6#
 167 72.9 10.9 16.3#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.005 min Scan# 1402
 Delta R.T. 0.000 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

Tgt Ion:188 Resp: 92192
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 57.6 7.0 10.4#





#20

4,6-Dinitro-2-methylphenol

Concen: 1.678 ng

RT: 15.449 min Scan# 11

Delta R.T. 0.026 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

Instrument :

BNA_N

ClientSampleId :

OB-CS-05

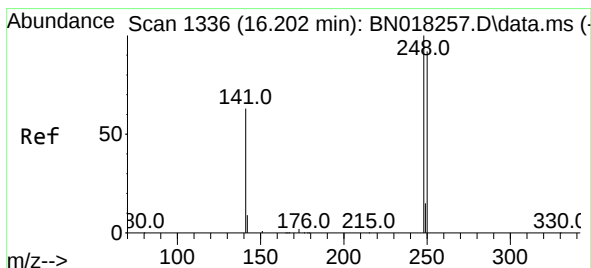
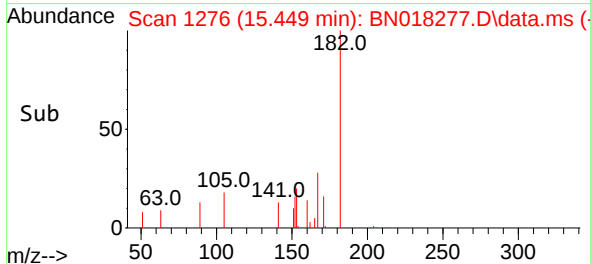
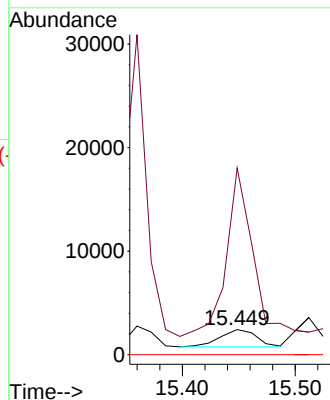
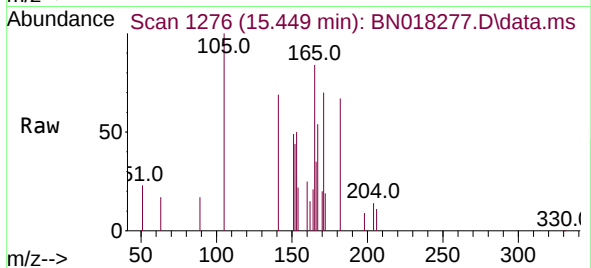
Tgt Ion:198 Resp: 3781

Ion Ratio Lower Upper

198 100

182 741.5 15.5 23.3#

77 0.0 0.0 0.0



#21

4-Bromophenyl-phenylether

Concen: 0.053 ng

RT: 16.239 min Scan# 1339

Delta R.T. 0.036 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

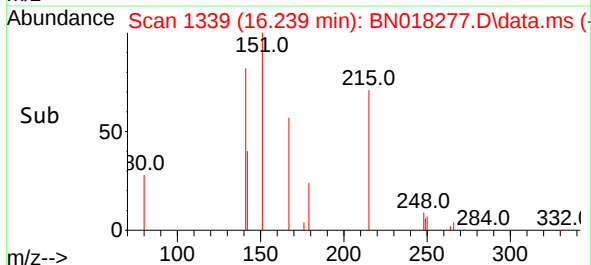
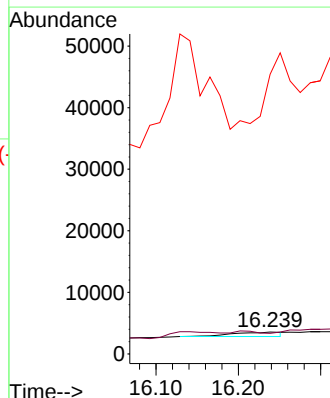
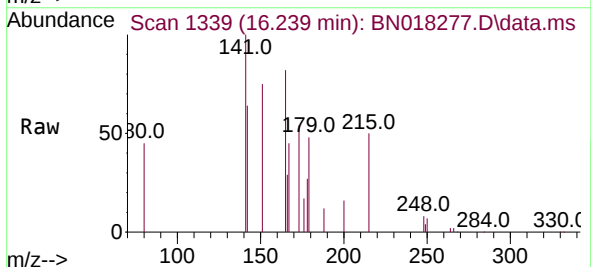
Tgt Ion:248 Resp: 2967

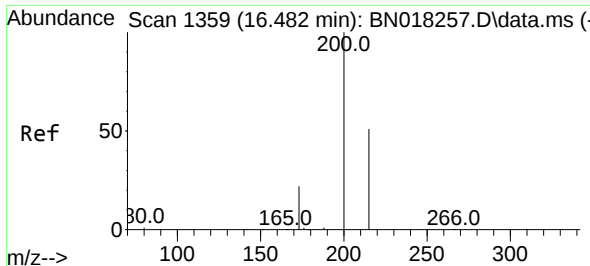
Ion Ratio Lower Upper

248 100

250 93.6 74.4 111.6

141 1271.5 43.7 65.5#

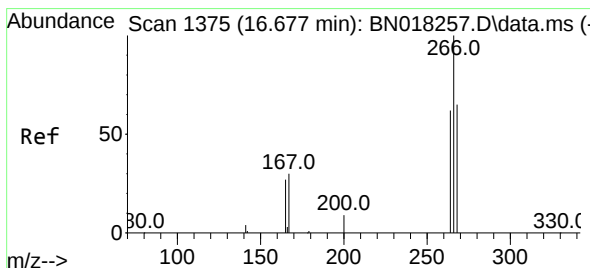
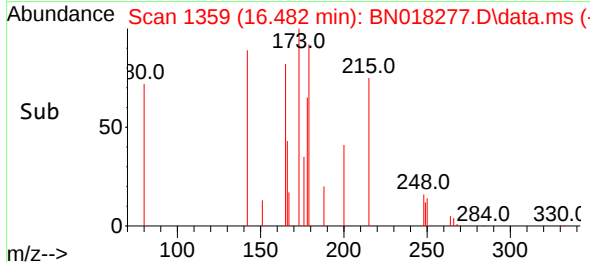
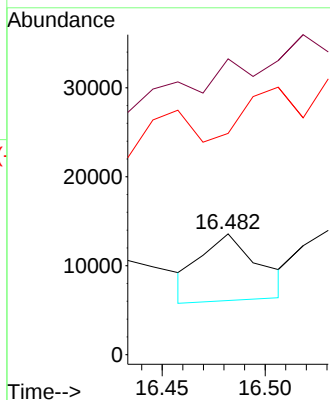
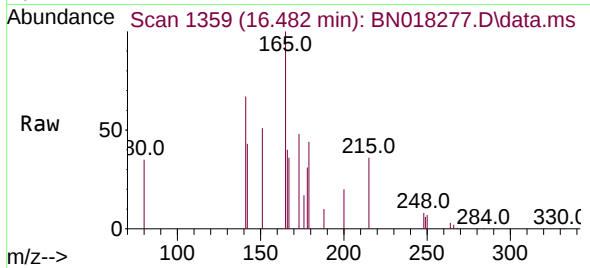




#23
Atrazine
Concen: 0.453 ng
RT: 16.482 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

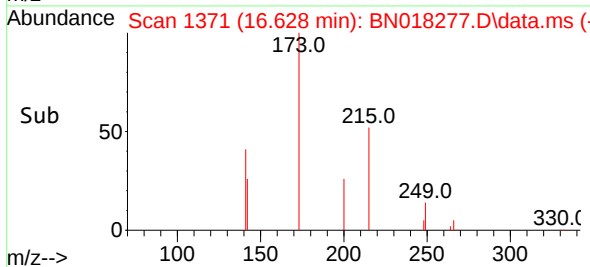
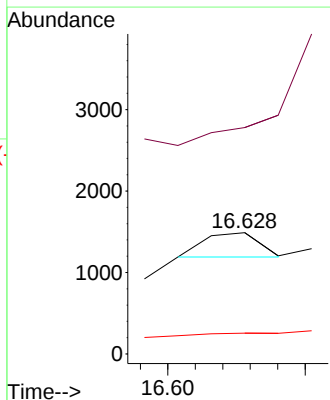
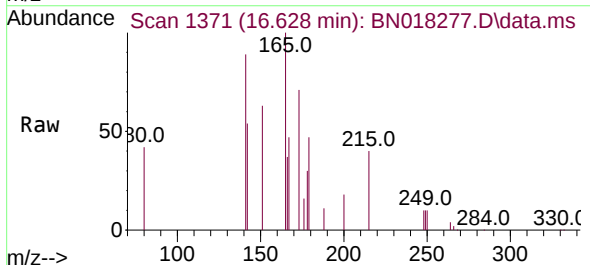
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

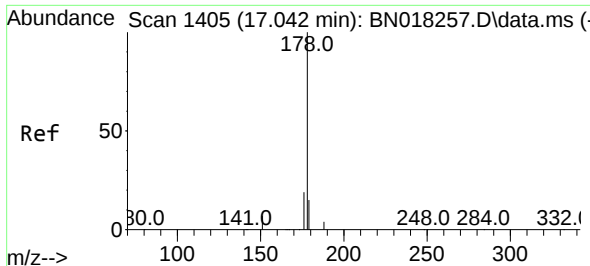
Tgt Ion:200 Resp: 14801
Ion Ratio Lower Upper
200 100
173 244.7 20.3 30.5#
215 183.1 40.4 60.6#



#24
Pentachlorophenol
Concen: 0.226 ng
RT: 16.628 min Scan# 1371
Delta R.T. -0.049 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion:266 Resp: 418
Ion Ratio Lower Upper
266 100
264 0.0 49.5 74.3#
268 0.0 50.6 76.0#

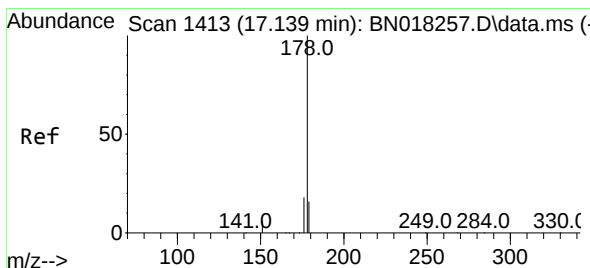
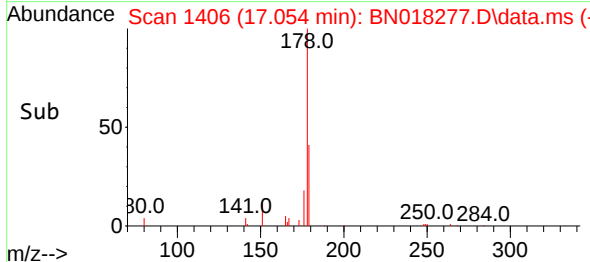
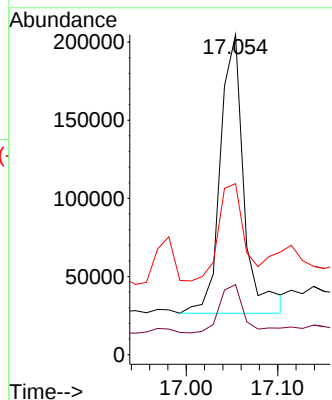
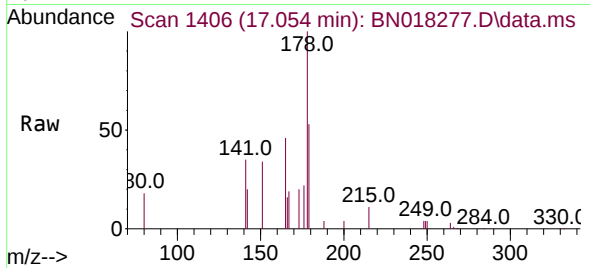




#25
 Phenanthrene
 Concen: 1.317 ng
 RT: 17.054 min Scan# 1406
 Delta R.T. 0.012 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

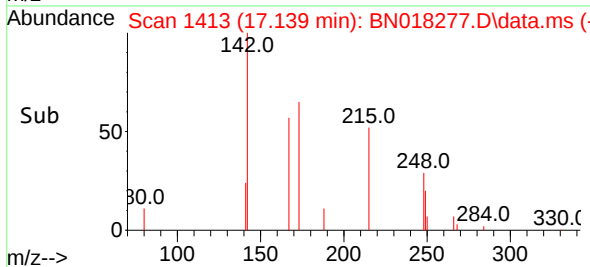
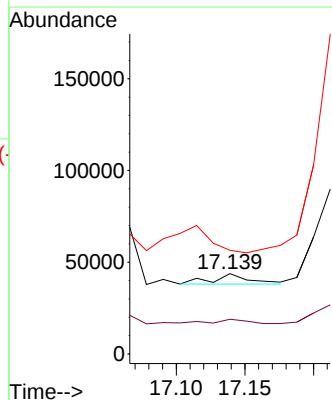
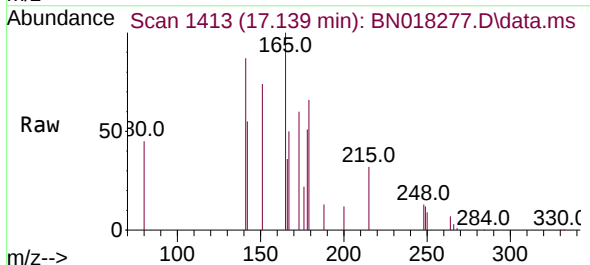
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

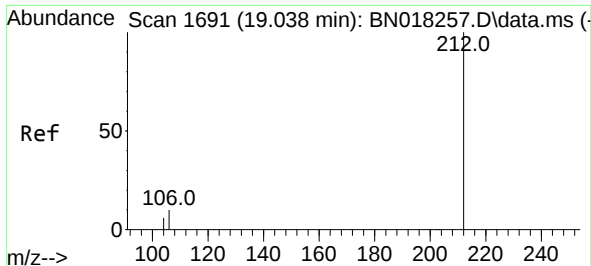
Tgt Ion:178 Resp: 319978
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 37.3 12.3 18.5#



#26
 Anthracene
 Concen: 0.089 ng
 RT: 17.139 min Scan# 1413
 Delta R.T. 0.000 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

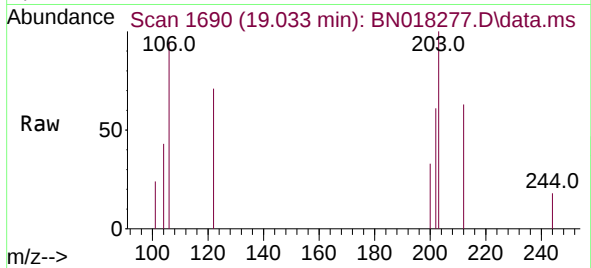
Tgt Ion:178 Resp: 10386
 Ion Ratio Lower Upper
 178 100
 176 35.1 14.8 22.2#
 179 0.0 12.2 18.4#



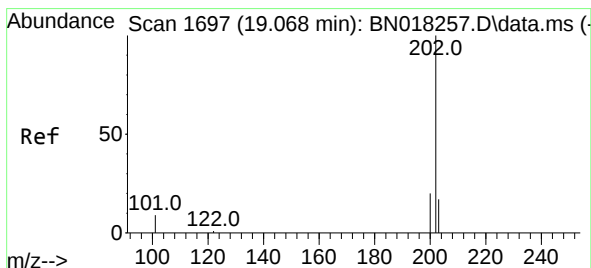
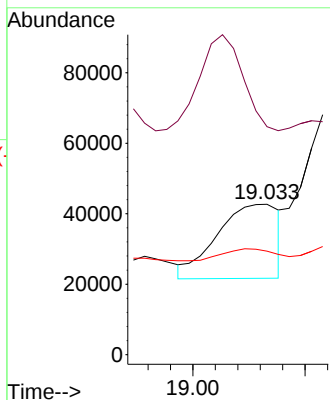
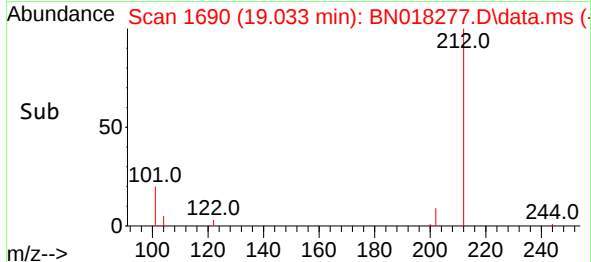


#27
Fluoranthene-d10
Concen: 0.137 ng
RT: 19.033 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

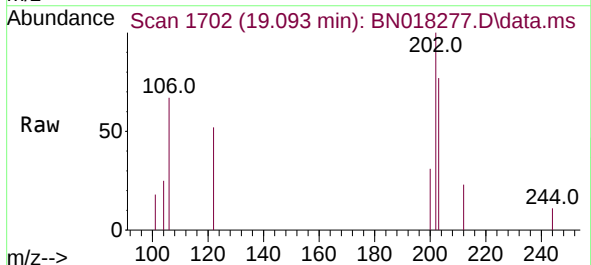
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



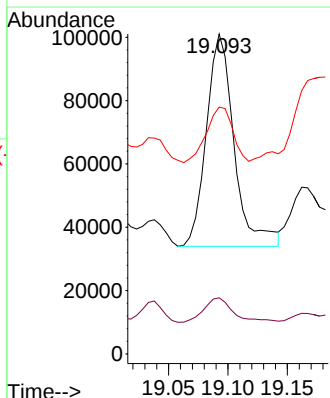
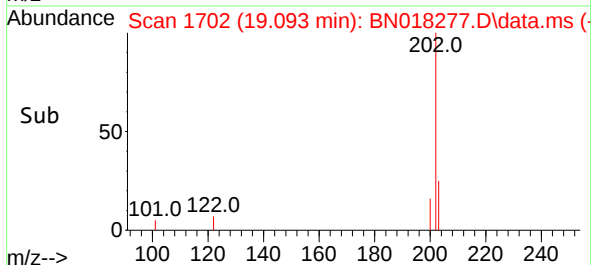
Tgt Ion:212 Resp: 40274
Ion Ratio Lower Upper
212 100
106 90.8 8.4 12.6#
104 13.5 4.5 6.7#

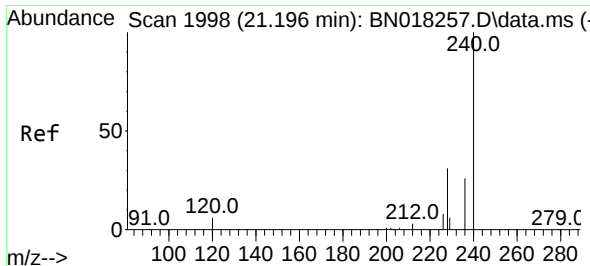


#28
Fluoranthene
Concen: 0.382 ng
RT: 19.093 min Scan# 1702
Delta R.T. 0.025 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



Tgt Ion:202 Resp: 108822
Ion Ratio Lower Upper
202 100
101 12.1 7.2 10.8#
203 24.6 13.7 20.5#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.227 min Scan# 2001

Delta R.T. 0.031 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

Instrument :

BNA_N

ClientSampleId :

OB-CS-05

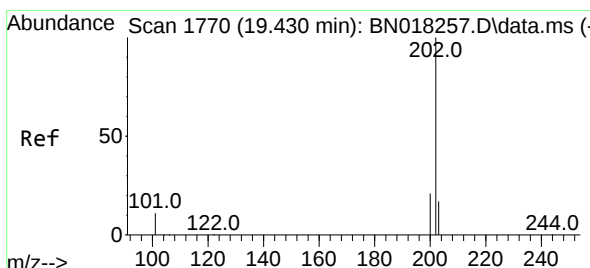
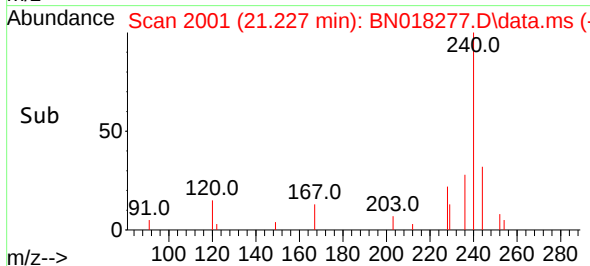
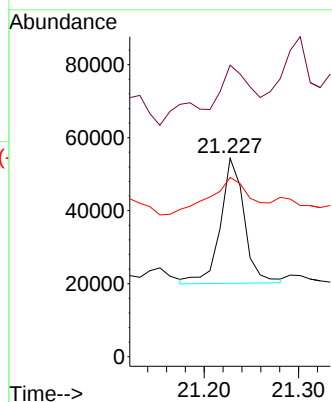
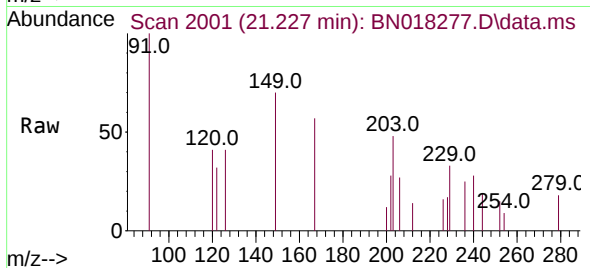
Tgt Ion:240 Resp: 60231

Ion Ratio Lower Upper

240 100

120 146.9 6.0 9.0#

236 90.3 21.4 32.2#



#30

Pyrene

Concen: 0.435 ng

RT: 19.455 min Scan# 1775

Delta R.T. 0.025 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

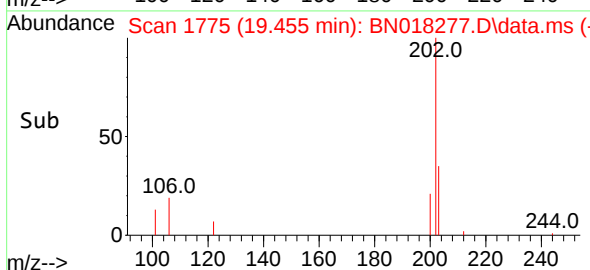
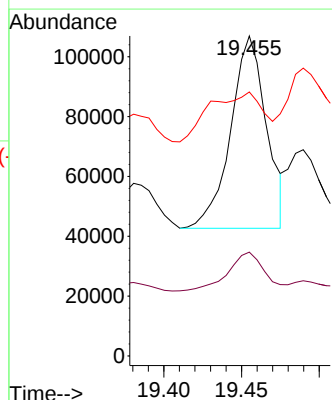
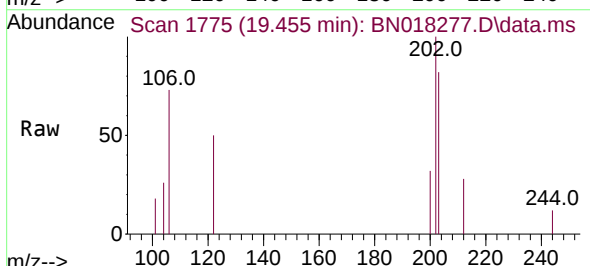
Tgt Ion:202 Resp: 102693

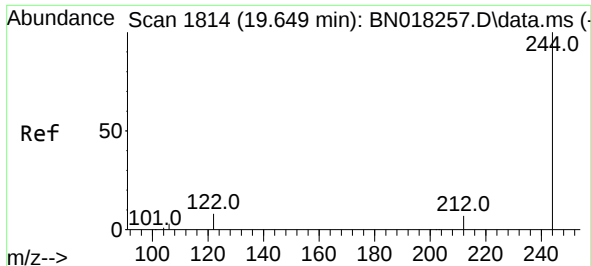
Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

203 38.5 14.1 21.1#

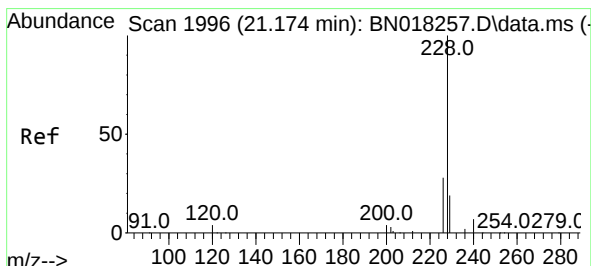
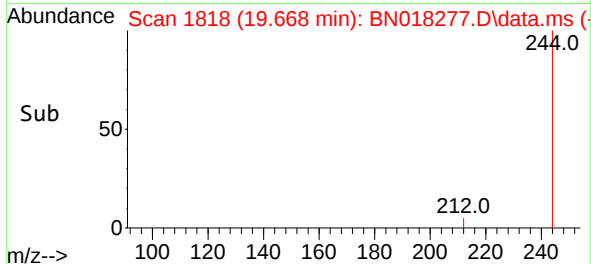
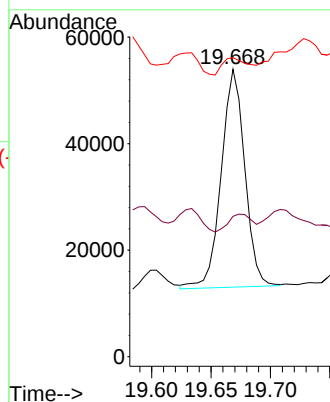
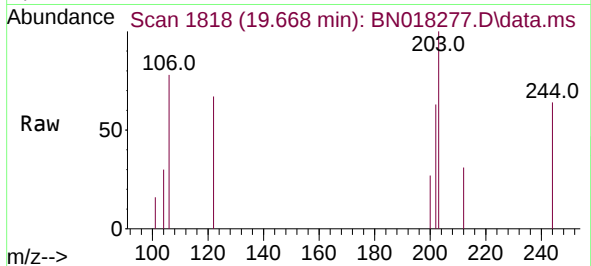




#31
 Terphenyl-d14
 Concen: 0.369 ng
 RT: 19.668 min Scan# 11
 Delta R.T. 0.020 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

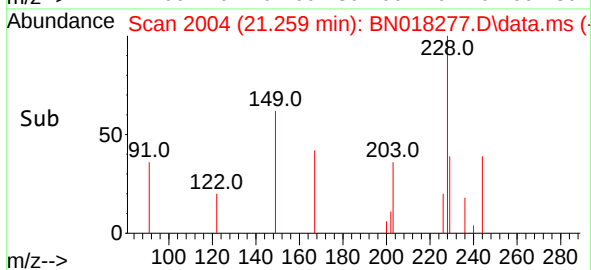
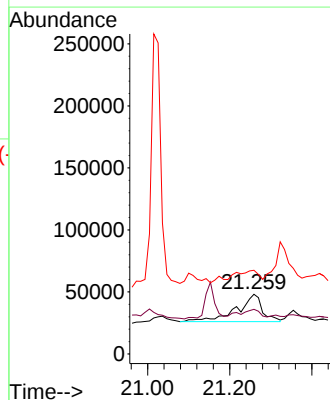
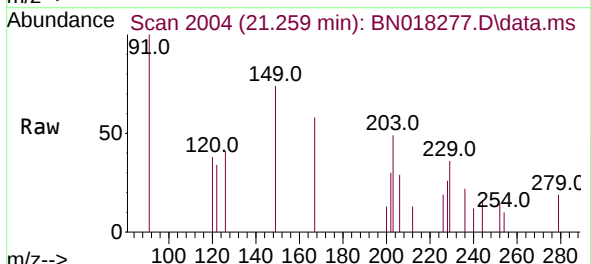
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

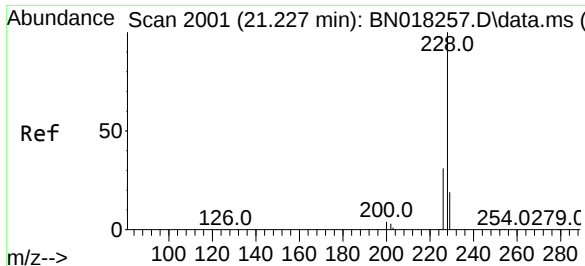
Tgt Ion:244 Resp: 56469
 Ion Ratio Lower Upper
 244 100
 212 48.8 6.2 9.2#
 122 104.1 7.9 11.9#



#32
 Benzo(a)anthracene
 Concen: 0.552 ng
 RT: 21.259 min Scan# 2004
 Delta R.T. 0.085 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

Tgt Ion:228 Resp: 96480
 Ion Ratio Lower Upper
 228 100
 226 74.8 21.3 31.9#
 229 140.5 15.9 23.9#





#33

Chrysene

Concen: 0.359 ng

RT: 21.259 min Scan# 2004

Delta R.T. 0.032 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

Instrument :

BNA_N

ClientSampleId :

OB-CS-05

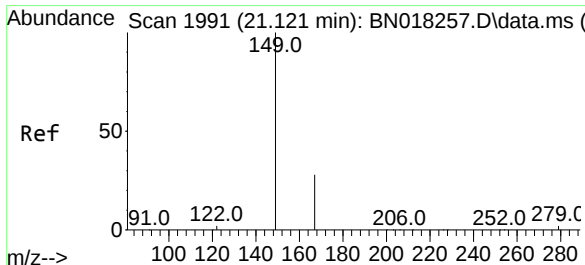
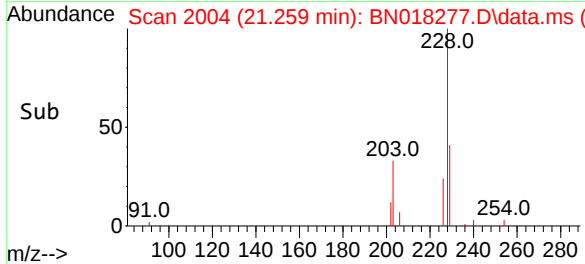
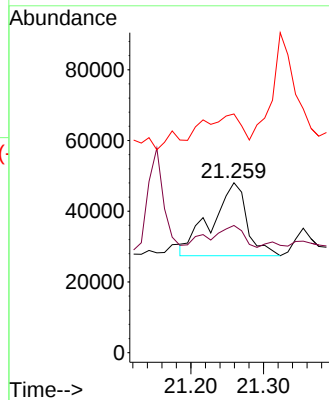
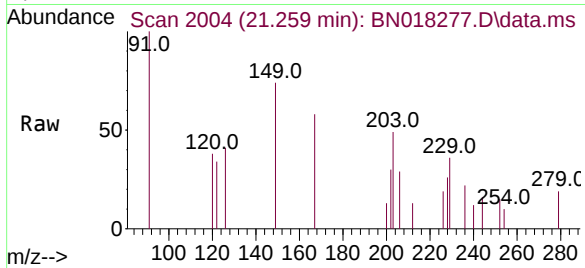
Tgt Ion:228 Resp: 69659

Ion Ratio Lower Upper

228 100

226 74.8 24.2 36.4#

229 140.5 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 12.677 ng

RT: 21.153 min Scan# 1994

Delta R.T. 0.032 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

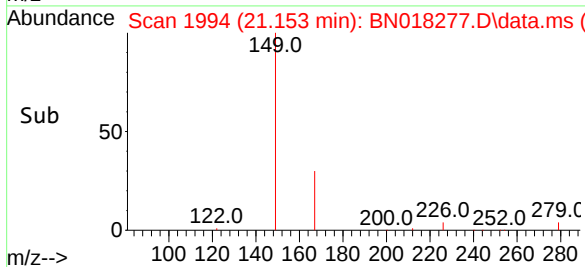
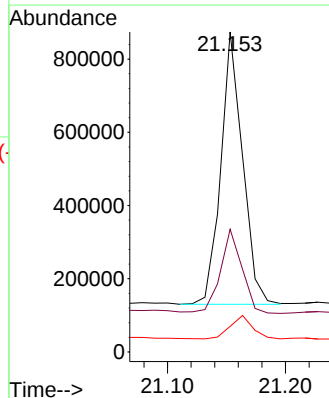
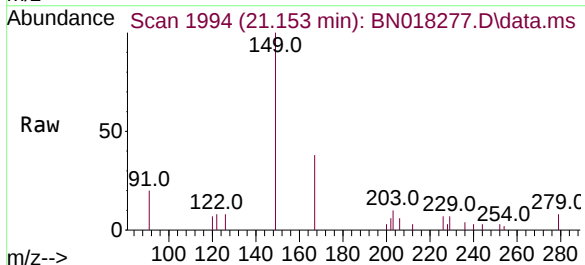
Tgt Ion:149 Resp: 953081

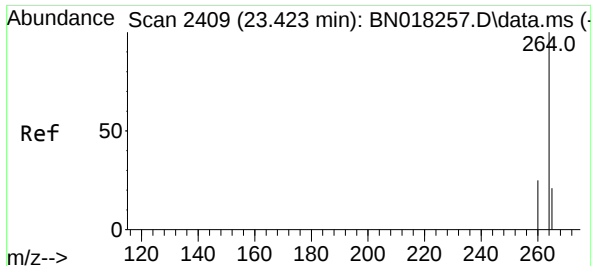
Ion Ratio Lower Upper

149 100

167 30.7 23.7 35.5

279 8.7 3.6 5.4#

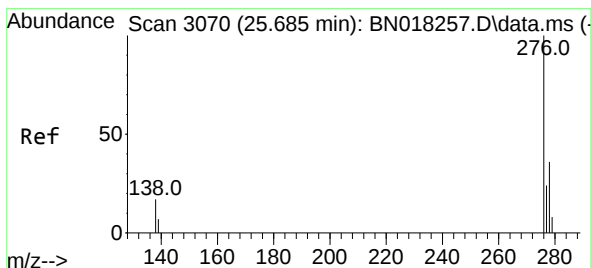
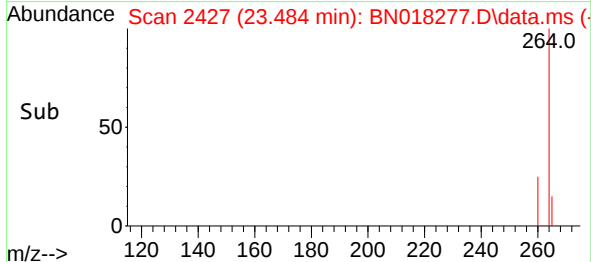
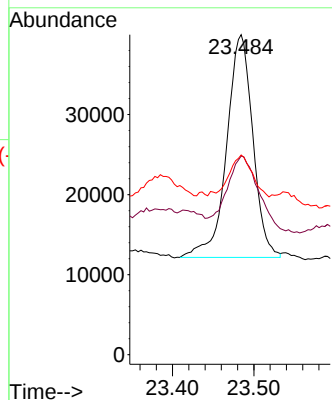
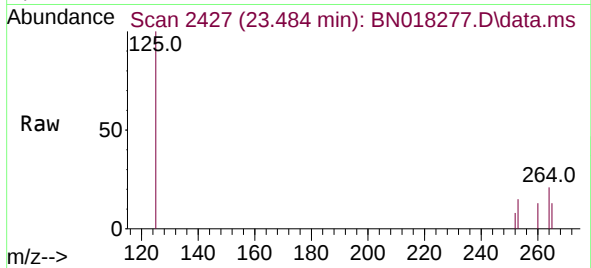




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.484 min Scan# 2409
Delta R.T. 0.061 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

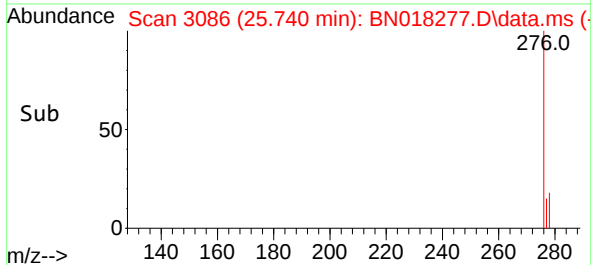
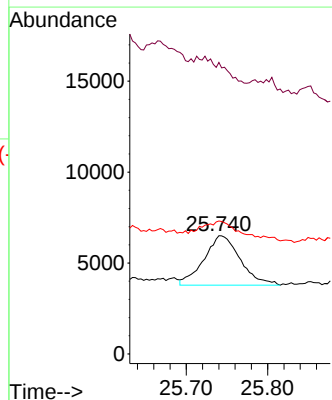
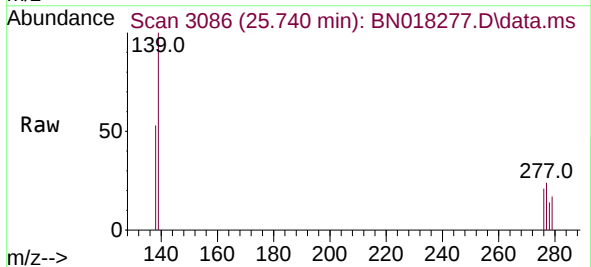
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

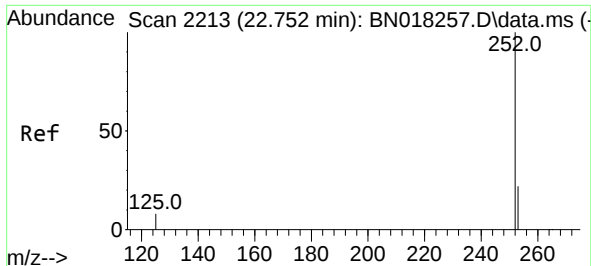
Tgt Ion:264 Resp: 62228
Ion Ratio Lower Upper
264 100
260 62.1 20.2 30.4#
265 62.4 18.2 27.2#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.057 ng
RT: 25.740 min Scan# 3086
Delta R.T. 0.055 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion:276 Resp: 8463
Ion Ratio Lower Upper
276 100
138 0.0 14.9 22.3#
277 28.5 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 0.201 ng

RT: 22.813 min Scan# 21

Delta R.T. 0.061 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

Instrument :

BNA_N

ClientSampleId :

OB-CS-05

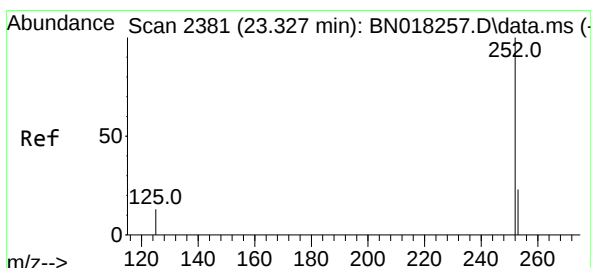
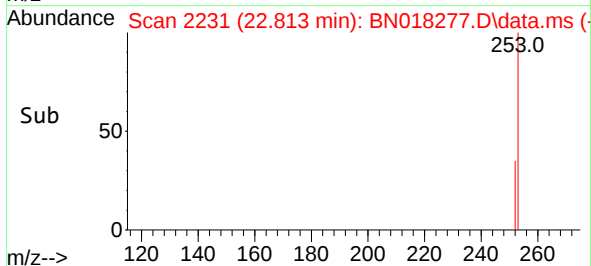
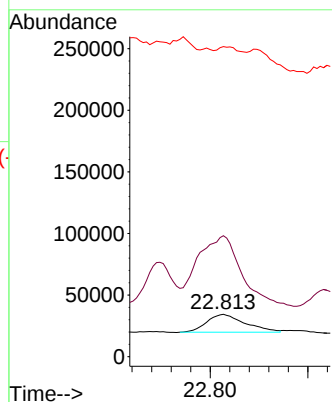
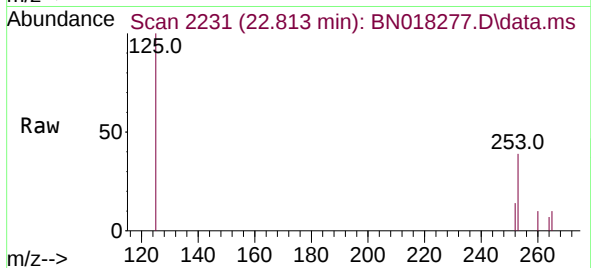
Tgt Ion:252 Resp: 39677

Ion Ratio Lower Upper

252 100

253 285.2 17.8 26.6#

125 731.2 6.0 9.0#



#39

Benzo(a)pyrene

Concen: 0.045 ng

RT: 23.385 min Scan# 2398

Delta R.T. 0.058 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

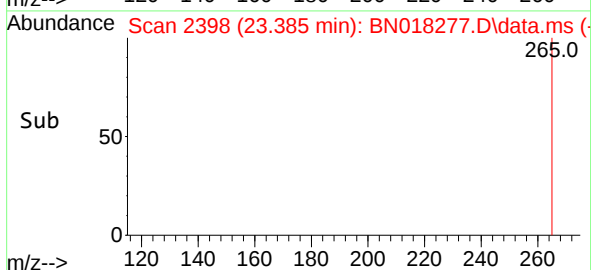
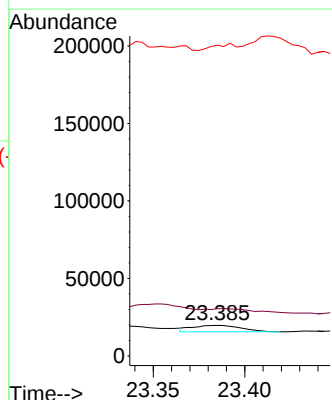
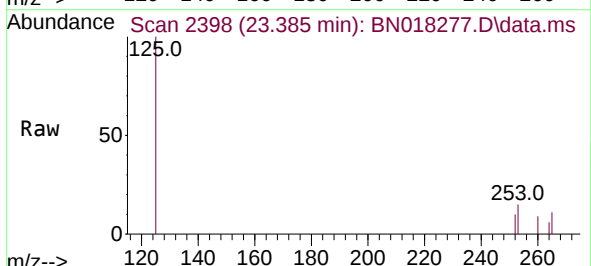
Tgt Ion:252 Resp: 7755

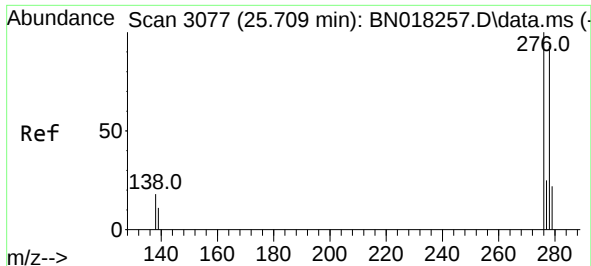
Ion Ratio Lower Upper

252 100

253 154.1 17.8 26.6#

125 1014.4 7.0 10.4#

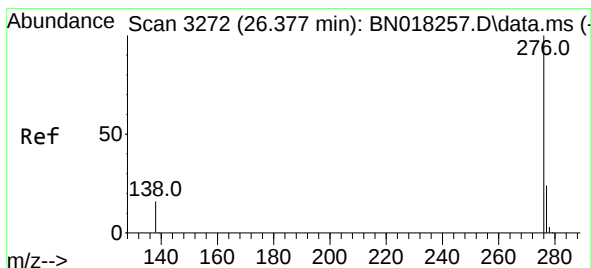
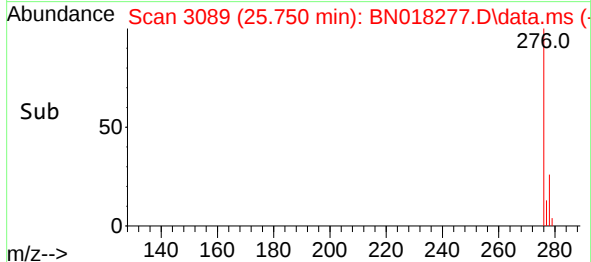
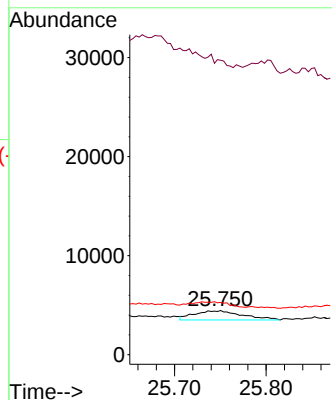
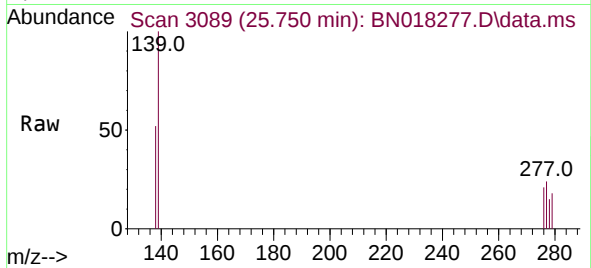




#40
Dibenzo(a,h)anthracene
Concen: 0.032 ng
RT: 25.750 min Scan# 3077
Delta R.T. 0.041 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Instrument :
BNA_N
ClientSampleId :
OB-CS-05

Tgt Ion:278 Resp: 3390
Ion Ratio Lower Upper
278 100
139 665.5 10.8 16.2#
279 118.2 19.0 28.4#



#41
Benzo(g,h,i)perylene
Concen: 0.083 ng
RT: 26.435 min Scan# 3289
Delta R.T. 0.058 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion:276 Resp: 12289
Ion Ratio Lower Upper
276 100
277 84.9 19.0 28.6#
138 157.4 12.6 19.0#

